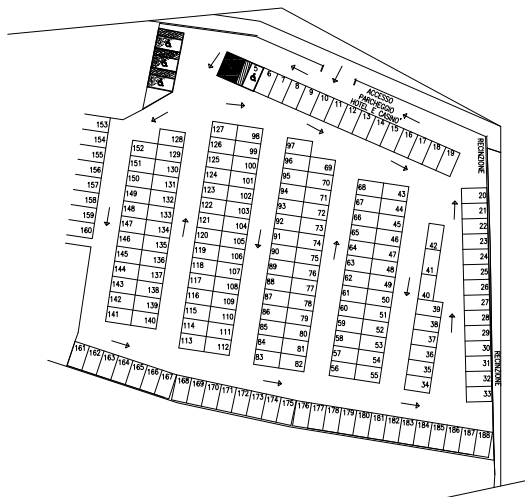


ANTEPRIMA AREE ESTERNE



FUORI SCALA

PROGETTO ILLUMINOTECNICO

COMMITTENTE

Boscolo Bielo Ivano S.r.l.
Canale della Scomenzera, 1 - Venezia

OGGETTO

PROGETTO ILLUMINOTECNICO
AREE ESTERNE "HOTEL MOSELLA"
Via San Felice, 3 - 30015 - Sottomarina (VE)

TITOLO DOCUMENTO

-RELAZIONE TECNICA ESPLICATIVA - RE;
-CALCOLO ILLUMINOTECNICO - CI;
-SCHEDE TECNICHE APPARECCHI;

TAVOLA

P.E.

SCALA

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SOSTITUISCE

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FOLGIO

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SEGUE

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IL PROGETTISTA



Per. Ind. Alessandro Pampagnin

RELAZIONE GENERALE SPECIALISTICA

COMMITTENTE:

Boscolo Bielo Ivano S.r.l.

OGGETTO:

*Progetto illuminotecnico aree esterne
Hotel Mosella*

Via San Felice, n.3 Chioggia (VE)

REVISIONE:

1 – Emesso per versione definitiva

OTTOBRE 2014

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1. PREMESSA

Oggetto della presente relazione è la descrizione del progetto illuminotecnico da installare nel parcheggio e nel piazzale antistante dell'Hotel Mosella sito a Chioggia (VE) come indicato negli elaborati grafici.

Il presente progetto, in questa fase quindi, riguarderà esclusivamente la descrizione dell'impianto da installare atto a servire l'illuminazione esterna. L'intervento prevede l'installazione di corpi illuminanti del tipo a Led marca AEC.

Gli elaborati progettuali a cui fare riferimento sono riportati nella seguente tabella:

Nome File	Rif.	Descrizione
35-10E-PL-R3	PL01	Lay out planimetrico illuminazione parcheggio
35-10E-PL-R3	PL02	Lay out planimetrico illuminazione piazzale
35-10E-RE-R3	RE	Relazione generale specialistica
35-10E-RE-R3	RE	Fascicolo calcoli illuminotecnici, istruzioni di installazione e d'uso

2. DATI IN INGRESSO E CONDIZIONI DI PROGETTO

Di seguito sono elencati i dati di progetto (dati in ingresso) relativi all'esecuzione degli impianti elettrici:

Lay-out planimetrici	Disponibili – vedi lay-out planimetrici
Tensione nominale	230 V
Corrente di cortocircuito	Da definire – presumibilmente ≤ 6 kA
Potenza totale impegnata	Da definire

Tabella 2-1 – Elenco dati di progetto

2.1 INFORMAZIONI GENERALI

- ✓ Comune di: Chioggia
- ✓ Provincia di: Venezia
- ✓ Concessione edilizia: a cura del Committente

2.2 PARAMETRI CLIMATICI ED AMBIENTALI

- ✓ Vedi allegati eventuali

2.3 LIMITI DI BATTERIA DEL PROGETTO (ESCLUSIONI)

Gli impianti elettrici progettati hanno origine dal quadro generale Hotel (escluso dal presente progetto).

I limiti estremi sono in ogni caso identificati dagli apparecchi illuminanti.

Sono esclusi:

- verifiche e calcoli strutturali plinti e pali di sostegno
- verifica distanza di rispetto da elettrodotti;

3. ANALISI DEI RISCHI

L'analisi dei rischi per le aree in oggetto ha tenuto conto della valutazione dei parametri di influenza, al fine di individuare le categorie illuminotecniche che garantiscano la massima efficacia del contributo degli impianti di illuminazione alla sicurezza degli utenti in condizioni notturne, minimizzando al contempo i consumi energetici, i costi di installazione e di gestione e l'impatto ambientale.

L'analisi dei rischi effettuata può essere riassunta nelle seguenti fasi:

- a) sono stati individuati i parametri richiesti dalla normativa tecnica e dalla Committenza (Comune di Chioggia);
- b) è stata valutata l'eventuale presenza di parametri di influenza e/o di pericolo presenti nelle aree oggetto dell'intervento quali il campo visivo, le condizioni conflittuali, il flusso di traffico, il pericolo di aggressione e la presenza di passaggi pedonali.
- c) vengono utilizzati apparecchi a LED con indice di resa colore \geq a 60 quindi viene ridotta la categoria illuminotecnica di ingresso di "-1"

Per cui i valori di illuminamento dovranno rispettare (entro i limiti concessi dalla

Legge Regionale 17/09) le seguenti tabelle di riferimento:

prospetto 5.9 **Aree di parcheggio**

N° riferimento	Tipo di zona, compito o attività	\bar{E}_m lx	U_o -	GR_L -	R_a -	Note
5.9.1	Traffico leggero, per esempio aree di parcheggio di negozi, villette a schiera e condomini; parchi ciclistici	5	0,25	55	20	
5.9.2	Traffico medio, per esempio aree di parcheggio di supermercati, edifici per uffici, impianti industriali, complessi di edifici sportivi e polivalenti	10	0,25	50	20	
5.9.3	Traffico intenso, per esempio aree di parcheggio delle scuole, degli edifici di culto, dei principali centri commerciali, dei principali complessi di edifici sportivi e polivalenti	20	0,25	50	20	

4. RISCHIO FOTOBIOLOGICO

Come rilevabile dalle schede tecniche degli apparecchi illuminanti previsti si garantisce la totale assenza di danni alla retina. La normativa di riferimento prescrive una classificazione redatta allo scopo di preservare l'osservatore da potenziali danni

fotochimici e fotobiologici. La determinazione della classe di sicurezza è requisito obbligatorio per la marcatura CE.

Secondo la norma EN 62471 gli apparecchi AEC rientrano nella categoria **EXEMPT GROUP (assenza di rischio fotobiologico)**.

5. RIDUZIONE DEI FLUSSI

L'impianto sarà regolato in maniera automatica, la dimmerizzazione è prevista a bordo di ogni apparecchio a LED.

6. PROGRAMMA DI MANUTENZIONE

Il presente piano di manutenzione vuole individuare gli interventi manutentivi con le relative frequenze al fine di garantire l'efficienza e la durabilità delle opere previste nel presente progetto. L'intendimento è quello di far conoscere le corrette modalità di funzionamento delle opere, evitare e/o limitare modi d'uso impropri, favorire una corretta gestione che eviti un degrado anticipato, permettere di riconoscere tempestivamente i fenomeni di deterioramento anomalo da segnalare ai tecnici responsabili. I fini sono principalmente di prevenire e limitare gli eventi di guasto e di evitare un invecchiamento precoce degli elementi e dei componenti l'opera. Le indicazioni contenute nella presente sono da ritenersi di carattere preliminare, in quanto, suscettibili di variazioni suggerite in fase di realizzazione delle opere in progetto. Il piano di manutenzione definitivo, nel qual caso si registrassero variazioni significative, verrà rilasciato al momento della redazione del certificato di regolare esecuzione dei lavori.

Si indicano alcuni interventi di manutenzione ordinaria e preventiva che possono essere eseguiti, volti ad un corretto e sicuro utilizzo degli impianti elettrici ed elettronici, la cui cadenza degli intervalli di tempo non è strettamente rigorosa per tutte le tipologie impiantistiche in esame.

Ogni 6 mesi:

eseguire la pulizia di tutti i corpi illuminanti;

verificare il corretto funzionamento degli orari di intervento dei temporizzatori;

controllare lo stato delle prese: assenza di abrasioni, sfiammate, "giochi" nelle giunzioni degli indebolii;

controllare, mediante l'apposito pulsante di prova (test) l'intervento degli interruttori differenziali.

Ogni anno:

eseguire un'ispezione visiva delle connessioni dei principali morsetti d'impianto: eventuali "aloni" evidenziano parti di impianto soggette a sovracorrenti o malfunzionamenti;

controllare le principali connessioni dell'impianto di messa a terra (pozzetti, nodo collettore, nodi equipotenziali, ecc.);

verificare il corretto funzionamento dei relè a fotocellula (crepuscolari);

Ogni 2 anni:

eseguire la misura della resistenza dell'impianto di terra (da riportare nel registro);

eseguire delle misure di conducibilità sulle principali linee;

7. CLASSIFICAZIONE DEGLI IMPIANTI

Gli impianti sopra descritti sono classificabili come “impianti di illuminazione fissi situati in area esterna” (CEI 64-8 sez. 714.1), pertanto essi dovranno essere realizzati in conformità alla norma CEI 64-8 sezione 714.

8. PRINCIPALI CARATTERISTICHE DEGLI IMPIANTI ELETTRICI

Caratteristica	Valore
Tensione di alimentazione:	400/230V 3/1F+N
Tensione di distribuzione:	230V F+N
Frequenza di esercizio (quando non diversamente specificato):	50 Hz
Correnti di corto circuito (CEI 64-8 art. 25.8):	In attesa della dichiarazione del fornitore di energia (presumibilmente ≤ 6 kA)
Caduta di tensione ammissibile (CEI 64-8/7 art. 714.525):	$\leq 5\%$ (valore indicato)
Sistema di distribuzione (CEI 64.8 sez. 312):	TT

Tabella 8-1 - Caratteristiche degli impianti elettrici

8.1 PRINCIPALI PARAMETRI DI DIMENSIONAMENTO

8.1.1 Fattori di Contemporaneità ed Utilizzazione

In considerazione delle reali condizioni di esercizio dei diversi impianti utilizzatori è stato considerato il seguente coefficiente:

Impianto di illuminazione:	Kc 1
----------------------------	------

8.1.2 Rifasamento

Localizzato:	rifasamento fisso previsto negli apparecchi illuminanti (provvisi di alimentatore elettronico);
Centralizzato:	non previsto;

8.1.3 Grado di protezione

La scelta del grado di protezione dei componenti contro la penetrazione di corpi solidi e liquidi è stata eseguita tenendo conto delle prescrizioni della norma CEI 64-8/7 714.5:

per i componenti interrati o installati in pozzetto:	IP67
per i componenti interrati a meno di 3m dal suolo	IP43
per i componenti interrati a 3m o più dal suolo	IP23

8.1.4 Caduta di tensione massima

La caduta di tensione dal punto di consegna sarà:

Cdt max	≤ 5% (valore raccomandato CEI 64-8/7 714.525)
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La caduta di tensione è stata calcolata per il tratto di linea più sfavorevole considerando il carico a fondo linea.

8.1.5 Riserve e disponibilità

Gli impianti sono stati dimensionati e saranno realizzati con i seguenti coefficienti medi indicati:

Margine di sicurezza portata cavi e interruttori:	≅ 20 % (oltre ai coefficienti di riduzione relativi alle condizioni di posa)
Riserva di spazio sui quadri:	≅ 30 %
Riserva di spazio sulle condutture principali:	≅ 20-30 % (oltre ai coefficienti di riempimento utilizzati)
Coefficienti riempimento tubazioni:	≅ \varnothing int. tubazione $\geq 1,4 \varnothing$ fascio cavi/conduttori contenuti (min. 16 mm)

8.2 SISTEMI ADOTTATI PER LA SICUREZZA

Oltre a quanto di seguito descritto si precisa che è prevista l'adozione di materiale esclusivamente marchiato "CE", è preferibile comunque adottare materiale provvisto di marcatura che ne attesti la corrispondenza alle norme applicabili da apposito istituto accreditato (ad es. IMQ – Istituto Italiano Marchio di Qualità)

8.2.1 Protezione contro i contatti diretti

Per la protezione contro i contatti diretti saranno adottati componenti e apparecchiature con adeguati gradi di protezione (IP min. XXB).

8.2.2 Protezione contro i contatti indiretti

Per la protezione contro i contatti indiretti verranno utilizzati differenti metodi a seconda del tratto preso in considerazione:

Impianti in classe II d'isolamento

Si adotterà un impianto completamente in classe II d'isolamento come previsto dalla norma CEI 64-8/7 714.413.2, non sarà quindi previsto alcun conduttore di protezione e i cavi saranno previsti con tensioni d'isolamento non inferiori a 0.6/1kV

8.2.3 Protezione contro i sovraccarichi

La protezione contro i sovraccarichi negli impianti d'illuminazione non è necessaria, si prevede comunque una protezione tramite interruzione automatica dell'alimentazione per effetto termico conformemente a quanto indicato nel cap. 431 della norma CEI 64-8; in particolare:

Protezione contro il sovraccarico:

$$I_f \leq 1,45 I_z \quad \text{e} \quad I_B \leq I_n \leq I_z$$
$$I_n \leq 0,9 I_z \text{ (fusibili)}$$

8.2.4 Protezione contro il cortocircuito

La protezione contro il cortocircuito è assicurata da appositi interruttori con sgancio per effetto magnetico tenendo conto della seguente relazione:

$$(I^2t) \leq K^2 S^2 \quad \text{e} \quad P_{di} \geq I_{cc}$$

8.2.5 Protezione contro i fulmini

La protezione dei sostegni contro i fulmini non è necessaria come specificato nella CEI 64-8/7 714.35.

E' prevista la protezione tramite SPD a bordo degli apparecchi illuminanti per la protezione dell'alimentatore. Questo SPD sarà collegato all'impianto di terra di funzionamento collegato su ogni sostegno.

9. DESCRIZIONE DEGLI IMPIANTI PROGETTATI

9.1 LINEE DORSALI DI DISTRIBUZIONE ENERGIA

L'illuminazione pubblica oggetto d'intervento sarà alimentata da linea dorsale dell'illuminazione pubblica esistente che risulta idonea ad alimentare i nuovi apparecchi illuminanti.

I cavi da utilizzare dovranno essere tutti del tipo flessibile FG7(O)R con isolamento 0,6/1 kV.

Per i cavi multipolari di tipo FG7(O)R, saranno utilizzate le colorazioni delle anime dei singoli conduttori, per tale individuazione non saranno ammesse nastrature di nessun tipo, soprattutto per i conduttori di protezione. I cavi di energia unipolari, invece, saranno opportunamente contrassegnati con fascette o collari in PVC.

Non saranno ammessi altri colori ad eccezione per gli impianti di categoria zero e per i circuiti di comando, purché diversi da quelli sopra elencati e comunque ammessi dalla Tabella CEI-UNEL 00722.

Tutti i cavi dovranno riportare stampigliato oltre al marchio IMQ, la sigla di designazione secondo le tabelle CEI-UNEL 35011, il numero di conduttori per la sezione ed il nome del costruttore.

Tutti i cavi saranno provvisti alle due estremità di opportuni contrassegni di origine e destinazione, e di opportuni contrassegni di identificazione lungo i percorsi nelle tubazioni.

La differenza fra tensione a vuoto e la tensione a carico riscontrata in qualsiasi punto dell'impianto quando siano inseriti gli utilizzatori ammessi a funzionare contemporaneamente, mantenendo costante la tensione di alimentazione, non dovrà superare il 5%, rispetto alla tensione misurata contemporaneamente all'inizio ed alla fine dell'impianto stesso.

In ogni caso la densità di massima corrente, indipendentemente dalle sezioni ricavate in funzione della caduta di tensione, non deve superare l'80% di quella ricavabile dalle Tabelle CEI-UNEL 35024-70.

9.1.1 Principali caratteristiche condutture cavidotti/elettriche

Le condutture avranno generalmente le seguenti caratteristiche:

Partizione di Impianto	Tipologia Posa	Tipologia Cavidotto	Cavo/Conduitt.
Linee esterne	"interrata"	Tubo in pvc flessibile serie pesante per posa interrata senza protezione addizionale	FG7(O)R/0.6-1kV

Tabella 9-1 - Caratteristiche condutture elettriche

9.1.2 Colori distintivi dei conduttori

Nei limiti del possibile le guaine dei conduttori dovranno avere le seguenti colorazioni conformi alle tabelle CEI-UNEL 00722 (74):

Conduttore neutro:	blu (obbligatorio per ut. 1F+N e 3F+N)
Conduttore di fase linee punti luce:	grigio
Conduttore di protezione:	gialloverde

9.1.3 Sezioni minime dei conduttori

I conduttori per la distribuzione terminale avranno le seguenti sezioni minime:

Derivazioni a singolo punto luce:	1,5 mm ²
Derivazioni a più di un punto luce:	2,5 mm ²

9.2 IMPIANTO D'ILLUMINAZIONE

La distribuzione luce sarà in ogni caso realizzata a mezzo di dorsale in cavo interrato posato entro tubazioni flessibili per posa interrata. Le derivazioni verranno eseguite tramite le apposite morsettiere da palo a doppio isolamento o tramite apposite giunzioni in gel anziché muffole per l'esecuzione delle stesse entro i pozzetti (nel caso di diramazione tra più linee).

Le accensioni saranno comandate dal quadro generale illuminazione pubblica esistente (escluso dal progetto).

Tutti i circuiti degli apparecchi illuminanti dovranno essere protetti mediante interruttori automatici magnetotermici posti sul quadro medesimo.

Dagli elaborati grafici è rilevabile la posizione e la tipologia dei vari punti luce.

Tutte le derivazioni saranno eseguite con conduttori unipolari del tipo FG7OR infilate nei pali per illuminazione.

La colorazione dei conduttori ed i tipi di giunzioni all'interno delle scatole di derivazione dovranno rispettare le normative vigenti in merito.

9.3 APPARECCHI D'ILLUMINAZIONE E PALI

Per l'illuminazione delle aree in oggetto sono state scelte armature provviste di lampada a LED, detti apparecchi saranno installati su testa palo su pali di altezza pari a 8m fuori terra.

Gli apparecchi saranno di marca "AEC ILLUMINAZIONE" serie "ITALO 1". L'interdistanza e il posizionamento degli stessi sono rilevabili dagli elaborati grafici.

Gli apparecchi saranno equipaggiati con sistema di regolazione automatica del flusso luminoso.

Tutti gli apparecchi e componenti dell'impianto saranno in classe seconda d'isolamento.

Tutti i pali saranno dotati di plinto prefabbricato provvisto di pozzetto con chiusino in ghisa e di morsettiera a doppio isolamento. Il grado di protezione degli apparecchi non dovrà essere inferiore a IPX6.

Per una completa ed esaustiva descrizione delle apparecchiature, dei sostegni, dei vari accessori e delle lavorazioni da realizzare si rimanda alle schede tecniche allegate alla presente relazione.

9.4 IMPIANTO GENERALE DI TERRA

L'impianto di terra non è previsto visto l'impianto in classe II. Sarà previsto l'impianto di terra di funzionamento con collegamento del morsetto dello scaricatore SPD previsto a bordo degli apparecchi illuminanti al sostegno (massa) degli stessi.

9.5 RISPONDEZZA ALLA LEGGE REGIONE VENETO N.17/2009 (DICHIARAZIONE)

L'impianto di illuminazione previsto è **rispondente** ai requisiti della Legge Regione Veneto n.17/2009 (Nuove norme per il contenimento dell'inquinamento luminoso, il risparmio energetico nell'illuminazione per esterni e per la tutela dell'ambiente e dell'attività svolta dagli osservatori astronomici).

In particolare gli apparecchi previsti rispondono ai seguenti requisiti (art. 9 comma 2):

- a) sono costituiti di apparecchi illuminanti aventi un'intensità luminosa massima compresa fra 0 e 0.49 candele (cd) per 1.000 lumen di flusso luminoso totale emesso a novanta gradi ed oltre;
- b) sono equipaggiati di lampade ad avanzata tecnologia ed elevata efficienza luminosa, come lampade a LED, in luogo di quelle ad efficienza luminosa inferiore;
- c) sono realizzati in modo che le superfici illuminate non superino il livello minimo di luminanza media mantenuta o di illuminamento medio mantenuto previsto dalle norme di sicurezza specifiche; in assenza di norme di sicurezza specifiche la luminanza media sulle superfici non deve superare 1 cd/mq;
- d) sono provvisti di appositi dispositivi che abbassano i costi energetici e manutentivi, agiscono puntualmente su ciascuna lampada o in generale sull'intero impianto e riducono il flusso luminoso in misura superiore al trenta per cento rispetto al pieno regime di operatività, entro le ore ventiquattro.

Il progetto illuminotecnico allegato (vedi fascicolo calcoli illuminotecnici) è corredato dalla seguente documentazione obbligatoria (art.7 comma 4):

- a) documentazione relativa alle misurazioni fotometriche dell'apparecchio utilizzato nel progetto esecutivo, sia in forma tabellare numerica su supporto cartaceo, sia sotto forma di file standard normalizzato, del tipo del formato commerciale "Eulumdat" o analogo verificabile, emesso in regime di sistema di qualità aziendale certificato o rilasciato da ente terzo quale l'IMQ. Detta documentazione riporta la posizione di misura del corpo illuminante, il tipo di sorgente, l'identificazione del laboratorio di misura, il nominativo del responsabile tecnico del laboratorio e la sua dichiarazione circa la veridicità delle misure effettuate;
- b) istruzioni di installazione ed uso corretto dell'apparecchio in conformità alla legge

Il progettista



10. NORME DI RIFERIMENTO

Il progetto degli impianti elettrici dell'impianto in oggetto, è stato stilato in conformità alla guida CEI 02-02 oltre che alle normative e legislazioni vigenti; in particolare dovranno essere rispettate le seguenti norme:

- Norme CEI 64/8-7 714: Impianti elettrici di illuminazione esterna
- Norma UNI 11248-2012 – Illuminazione stradale – Selezione delle categorie illuminotecniche
- Norma UNI EN 13201 – Illuminazione stradale
- Norma UNI 10819 Requisiti per la limitazione della dispersione verso l'alto del flusso luminoso
- Legge regionale 27 giugno 1997 n. 22 – Norme per la prevenzione dell'inquinamento luminoso
- Tutta la normativa sulle apparecchiature utilizzate
- DPR 27/4/1955 n. 547 e successive integrazioni (Norme per la prevenzione degli infortuni sul lavoro)
- Legge n.186 del 1/3/1968 Disposizioni concernenti la produzione di materiali, apparecchiature macchinari, installazioni ed impianti elettrici ed elettronici
- Legge n.791 del 18/10/1977 Attuazione delle direttive CEE 72/23 relative alle garanzie di sicurezza che deve possedere il materiale elettrico
- Legge n.17 del 7/08/09 Regione Veneto
- Eventuali altre norme, regolamenti, leggi, decreti (anche locali) non espressamente citati.

***La presente relazione è composta da n. 13 pagine (esclusi gli eventuali allegati).
Il progettista declina ogni responsabilità nei riguardi di modifiche e/o alterazioni che possano essere apportate al sopradescritto impianto elettrico e che non corrispondano ai parametri specificati negli allegati elaborati grafici.***

11. CALCOLI DI VERIFICA ILLUMINOTECNICA, CERTIFICAZIONI APPARECCHI UTILIZZATI, DESCRIZIONI APPARECCHI ILLUMINANTI, PARTICOLARI COSTRUTTIVI

PARCHEGGIO

Impianto : CHIOGGIA

Numero progetto : 486a - 14

Cliente : PR STUDIO

Autore :

Data : 05.11.2014

I seguenti valori si basano su calcoli esatti di lampade e punti luce tarati e sulla loro disposizione. Nella realtà potranno verificarsi differenze graduali. Resta escluso qualunque diritto di garanzia per i dati dei punti luce. Il produttore non si assume alcuna responsabilità per danni anche parziali derivanti all'utente o a terzi.

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1 Impianto esterno 1


1.1 Descrizione, Impianto esterno 1

1.1.1 Dati punti luce/Elementi dell' interno

Dati prodotti:

Tipo Num. Marca

2 11 Codice :
 Nome punto luce : ITALO 1 STW 4.5-2M+PC0388
 con : 1 x ITALO 1 0F3 STW 4.5-2M
 Sorgenti : 1 x LED / 4440 lm

3 9 Codice :
 Nome punto luce : ITALO 1 STW 4.5-2M+TD250I5+PC0388
 con : 2 x ITALO 1 0F3 STW 4.5-2M
 Sorgenti : 1 x LED / 4440 lm

		Posizione			Rotazione		
		x[m]	y[m]	z[m]	za	xa	ya
ITALO 1 STW 4.5-2M+PC0388							
1		25.39	17.71	0.00	341.4°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	25.52	18.09	0.00	341.4°	0.0°	0.0°
6		15.42	56.15	0.00	262.1°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	15.81	56.10	0.00	262.1°	0.0°	0.0°
2		52.09	10.97	0.00	348.2°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	52.17	11.36	0.00	348.2°	0.0°	0.0°
3		81.94	5.81	0.00	350.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	82.00	6.21	0.00	350.8°	0.0°	0.0°
4		97.37	17.41	0.00	89.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	96.97	17.41	0.00	89.8°	0.0°	0.0°
5		96.66	47.17	0.00	91.4°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	96.26	47.16	0.00	91.4°	0.0°	0.0°
17		30.61	80.10	0.00	259.9°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	31.00	80.03	0.00	259.9°	0.0°	0.0°
18		51.49	85.76	0.00	161.1°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	51.36	85.38	0.00	161.1°	0.0°	0.0°
19		71.42	77.22	0.00	156.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	71.26	76.86	0.00	156.8°	0.0°	0.0°

1 Impianto esterno 1

1.1 Descrizione, Impianto esterno 1

1.1.1 Dati punti luce/Elementi dell' interno

20		88.54	69.71	0.00	156.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	88.39	69.34	0.00	156.8°	0.0°	0.0°
16		96.66	47.17	0.00	91.4°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	96.26	47.16	0.00	91.4°	0.0°	0.0°
ITALO 1 STW 4.5-2M+TD250I5+PC0388							
7		27.38	35.32	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	26.78	35.38	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	27.97	35.26	0.00	263.8°	0.0°	0.0°
8		31.77	64.92	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	31.18	64.98	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	32.37	64.85	0.00	263.8°	0.0°	0.0°
9		46.66	62.84	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	46.07	62.91	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	47.26	62.78	0.00	263.8°	0.0°	0.0°
10		61.33	59.59	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	60.74	59.66	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	61.93	59.53	0.00	263.8°	0.0°	0.0°
11		76.05	57.22	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	75.45	57.29	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	76.65	57.16	0.00	263.8°	0.0°	0.0°
21		85.88	34.16	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	85.28	34.22	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	86.47	34.10	0.00	263.8°	0.0°	0.0°
12		42.28	33.08	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	41.69	33.14	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	42.88	33.01	0.00	263.8°	0.0°	0.0°
13		56.95	29.95	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	56.35	30.01	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	57.54	29.89	0.00	263.8°	0.0°	0.0°
14		71.70	27.63	0.00	83.8°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-2M	71.10	27.69	0.00	83.8°	0.0°	0.0°
2	ITALO 1 0F3 STW 4.5-2M	72.29	27.56	0.00	263.8°	0.0°	0.0°

Elementi di creazione

Oggetto : PARCHEGGIO
Impianto : CHIOGGIA
Numero progetto : 486a - 14
Data : 05.11.2014



1 Impianto esterno 1

1.1 Descrizione, Impianto esterno 1

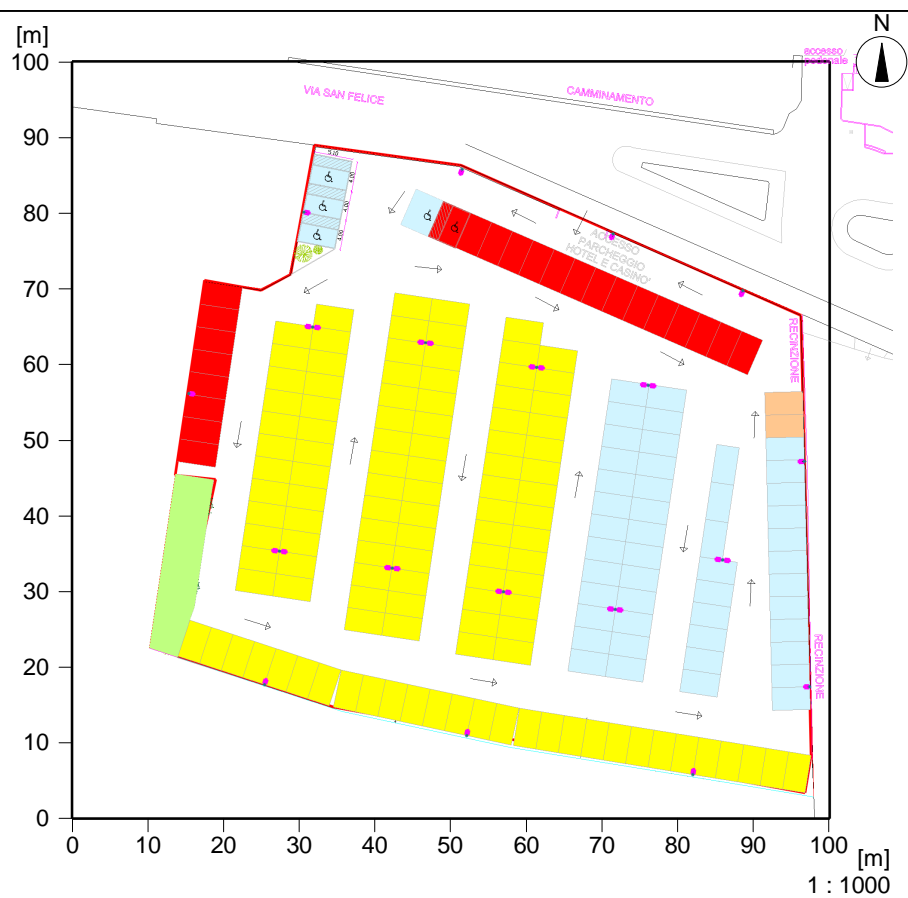
1.1.1 Dati punti luce/Elementi dell' interno

Superficie di misurazione virtuale

Nr.	xm[m]	ym[m]	zm[m]	Lungh.	Largh.	Angolo di rotazione		
						Asse Z	Asse L	Asse Q
PARCHEGGIO								
M 1	17.48	71.09	0.00	98.66	87.51	81.47	0.00	0.00

1.1 Descrizione, Impianto esterno 1

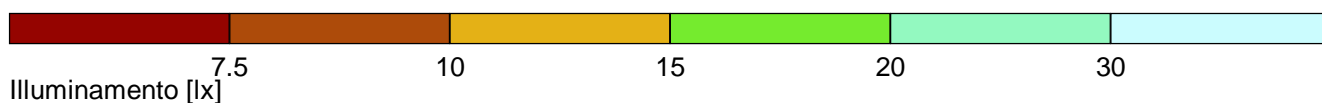
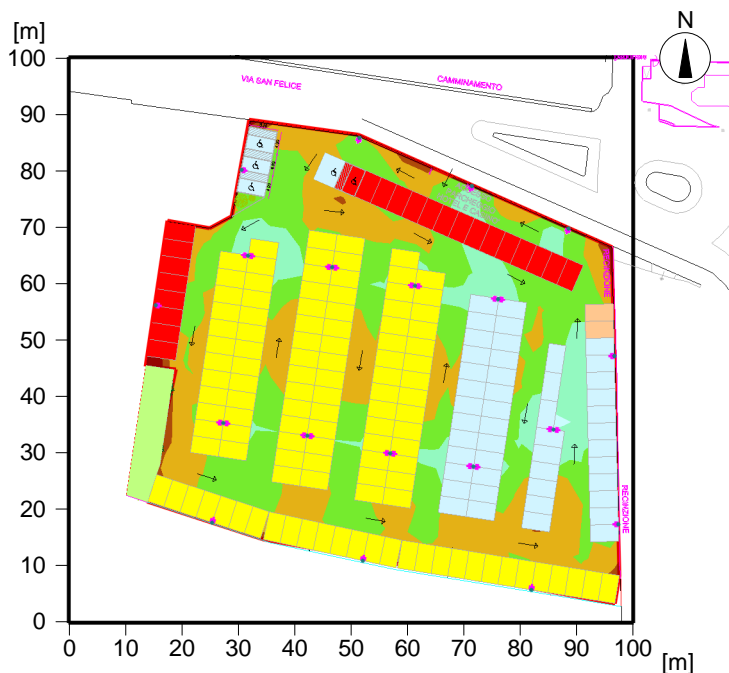
1.1.2 Pianta



1 Impianto esterno 1

1.2 Riepilogo, Impianto esterno 1

1.2.1 Panoramica risultato, PARCHEGGIO



Generale

Algoritmo di calcolo utilizzato:	Percentuale indiretta media
Altezza area di valutazione	0.00 m
Altezza del punto luce [m]:	8.00 m
Fattore di manut.	0.80

Flusso luminoso totale di tutte le lampade	128760 lm
Potenza totale	1203.5 W
Potenza totale per superficie (10000.00 m ²)	0.12 W/m ²

Illuminamento

Illuminamento medio	Em	16.3 lx
Illuminamento minimo	Emin	5.6 lx
Illuminamento massimo	Emax	33.3 lx
Uniformità U _o	Emin/Em	1:2.9 (0.34)
Uniformità U _d	Emin/Emax	1:5.92 (0.17)

Tipo Num. Marca

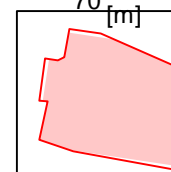
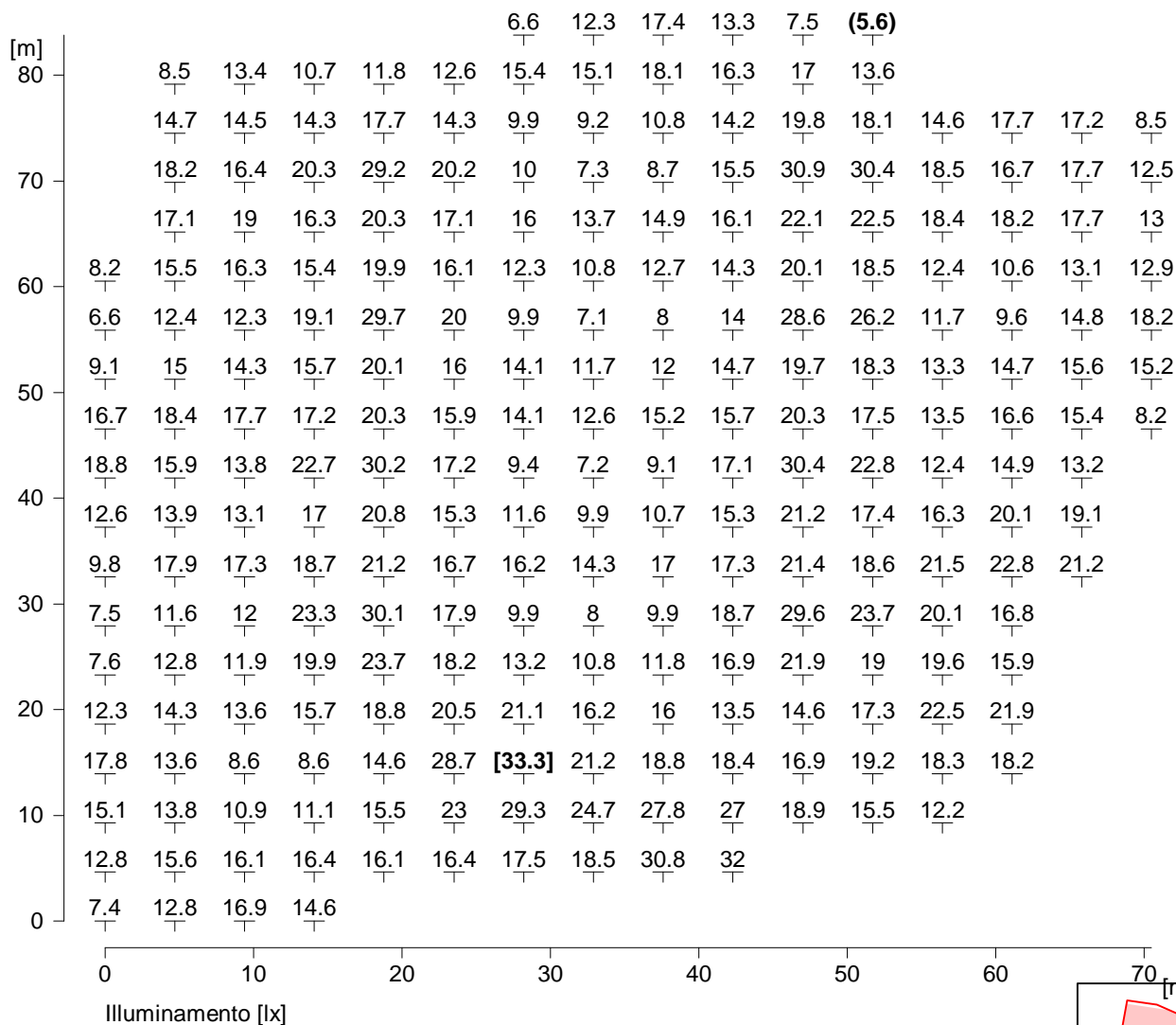
2 11 Codice :
 Nome punto luce : ITALO 1 STW 4.5-2M+PC0388
 con : 1 x ITALO 1 0F3 STW 4.5-2M
 Sorgenti : 1 x LED / 4440 lm

3 9 Codice :
 Nome punto luce : ITALO 1 STW 4.5-2M+TD250I5+PC0388
 con : 2 x ITALO 1 0F3 STW 4.5-2M
 Sorgenti : 1 x LED / 4440 lm

1 Impianto esterno 1

1.3 Risultati calcolo, Impianto esterno 1

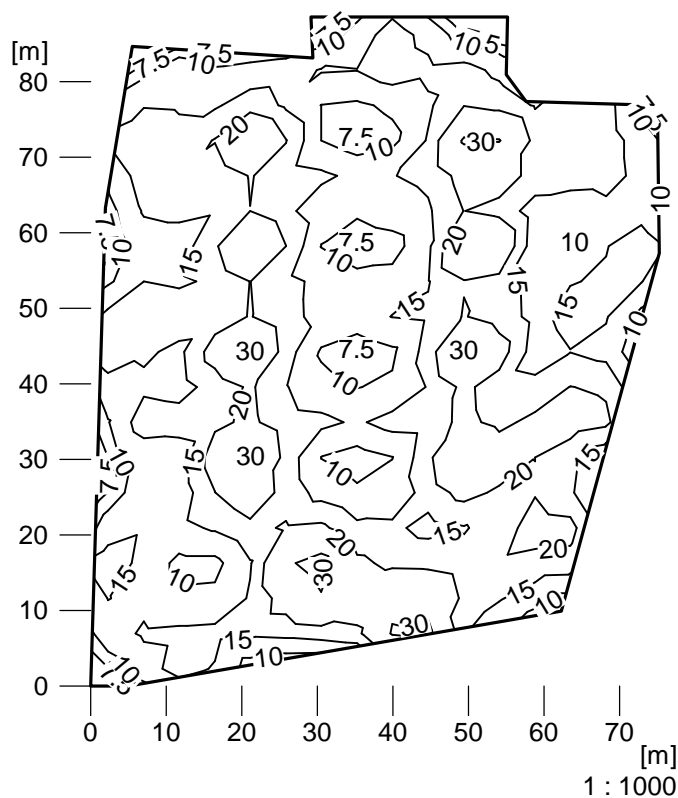
1.3.1 Tabella, PARCHEGGIO (E)



Altezza del piano di riferimento		: 0.00 m
Illuminamento medio	Em	: 16.3 lx
Illuminamento minimo	Emin	: 5.6 lx
Illuminamento massimo	Emax	: 33.3 lx
Uniformità Uo	Emin/Em	: 1 : 2.90 (0.34)
Uniformità Ud	Emin/Emax	: 1 : 5.92 (0.17)

1.3 Risultati calcolo, Impianto esterno 1

1.3.2 Rappresentazione isolinee, PARCHEGGIO (E)

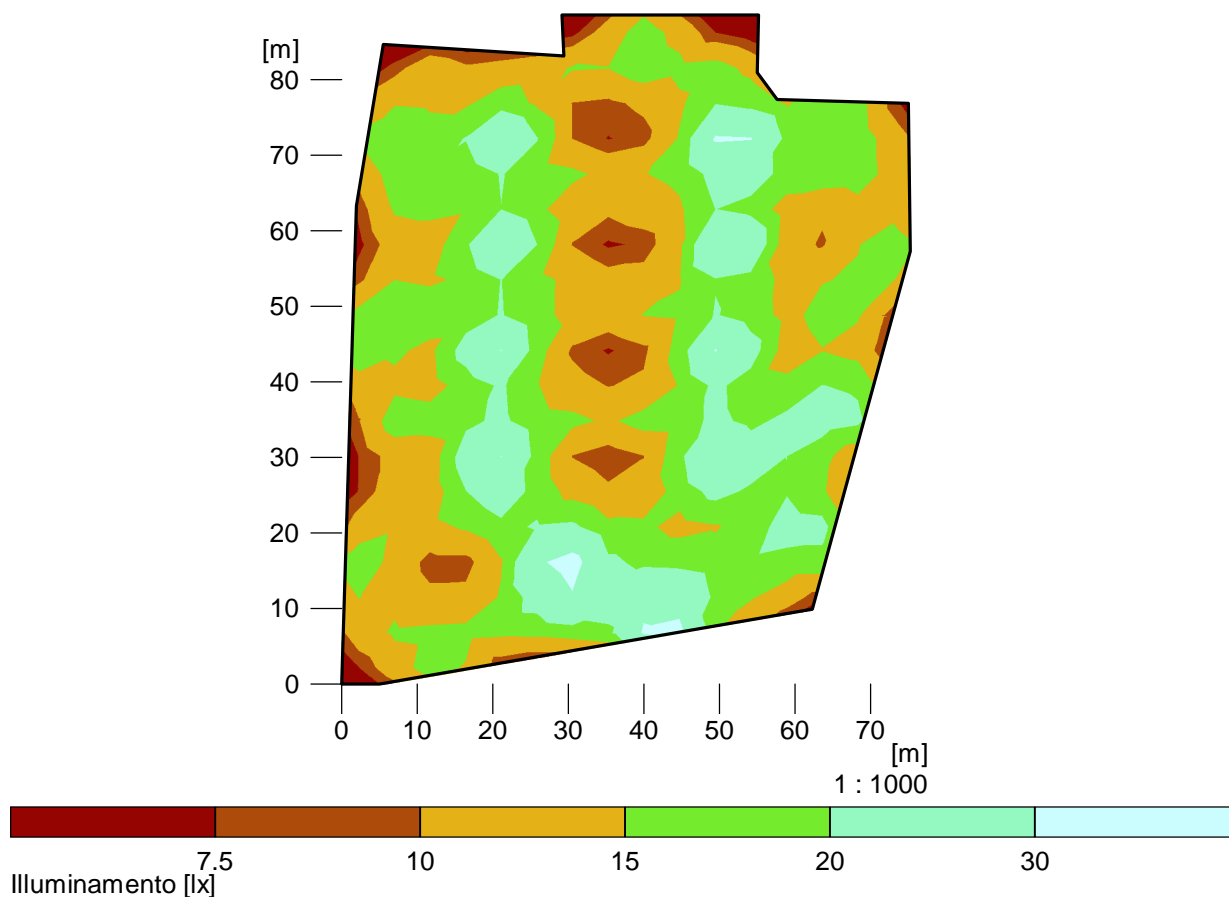


Illuminamento [lx]

Altezza del piano di riferimento	:	0.00 m
Illuminamento medio	Em	: 16.3 lx
Illuminamento minimo	Emin	: 5.6 lx
Illuminamento massimo	Emax	: 33.3 lx
Uniformità Uo	Emin/Em	: 1 : 2.90 (0.34)
Uniformità Ud	Emin/Emax	: 1 : 5.92 (0.17)

1.3 Risultati calcolo, Impianto esterno 1

1.3.3 Falsi Colori, PARCHEGGIO (E)



Altezza del piano di riferimento	:	0.00 m
Illuminamento medio	Em	: 16.3 lx
Illuminamento minimo	Emin	: 5.6 lx
Illuminamento massimo	Emax	: 33.3 lx
Uniformità Uo	Emin/Em	: 1 : 2.90 (0.34)
Uniformità Ud	Emin/Emax	: 1 : 5.92 (0.17)



DICHIARAZIONE DI CONFORMITÀ

Il seguente costruttore

Costruttore: **AEC ILLUMINAZIONE S.r.l.**

Indirizzo: Via A. Righi, 4 - Zona industriale Castelnuovo
52010 Subbiano (AR) - Italia

dichiara qui di seguito che il prodotto

ITALO 1 STW 4.5-2M DA CL.2

apparecchio di illuminazione per l'installazione fissa

presenta caratteristiche fotometriche conformi a quanto previsto dalla seguente legge

Regione Veneto - Legge Regionale n° 17 del 7 agosto 2009

Subbiano, 26/05/2014

[PL]

AEC ILLUMINAZIONE S.r.l.

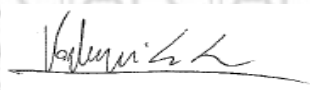
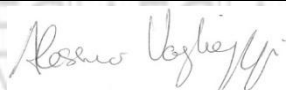
www.aecilluminazione.com

AEC ILLUMINAZIONE Srl • 52010 SUBBIANO (AREZZO) ITALY • Via A. Righi, 4 Zona Ind.le Castelnuovo
Tel. +39.0575.42151 • Fax +39.0575.420878 • www.aecilluminazione.com • e-mail: aec@aecilluminazione.it
Cap. Soc. € 1.560.000,00 • Reg. Soc. Trib. Arezzo n. 4478 • C/C Postale 13141528 • CCIAA Arezzo 72908 • M 051476 • P. IVA 00343170510

Rapporto di rilievo Test Report

Costruttore (Manufacturer)	AEC ILLUMINAZIONE SRL Via Righi, 4 Castelnuovo di Subbiano (AR)
Tipo di prodotto (Product type)	Apparecchio di illuminazione per esterni (Outdoor lighting fixture)
Codice fotometria (Photometry code)	ITALO 1 0F3 STW 4.5-2M
Rilievo fotometrico (Photometric measurement)	ITALO 1 0F3 STW 4.5-2M
Descrizione apparecchio (Fitting description)	ITALO 1 0F3 STW 4.5-2M
Data delle prove (Date of test)	01-04-2014



Responsabile laboratorio fotometrico (Photometric Laboratory manager)	Luca Vagheggi	
Tecnico laboratorio che ha eseguito la misura (Laboratory operator)	Alessio Vagheggi	

Documentazione e Allegati (Documentation and Annex)

Rapporto di Rilievo (Test Report)	Descrizione generale (General description)	
	Responsabile laboratorio fotometrico (Photometric Laboratory Manager)	
	Oggetto delle prove (Object of the tests)	
	Dati apparecchio (Luminaire data)	
	Normative di riferimento (Reference standards)	
	Condizioni di prova e strumentazione di misura (Test conditions and measurement instruments)	
	Dati rilievo (Test data)	
	Incertezza strumentale (Instrumental accuracy)	
Allegati (Annex)	Matrice delle Intensità (cd/Klm) (Intensity table)	√
	Diagramma Polare (Polar diagram)	√
	Diagramma Cartesiano (Cartesian diagram)	
	Classificazione Energetica (Energy saving classification)	
	Isolux (Isolux diagram)	
	Isocandela (Isocandle diagram)	
	Classificazione Strade (Street classification)	
	Classificazione Strade IES TM-15 (IES TM-15 street classification)	
	File Fotometrico Eulumdat (Eulumdat photometric file)	
	File Fotometrico IES (IES photometric file)	



OGGETTO DELLE PROVE

(Object of tests)

Costruttore (Manufacturer)	AEC ILLUMINAZIONE SRL
Tipo di prodotto (Product type)	Apparecchio di illuminazione per esterni (Outdoor lighting fixture)
Codice fotometria (Photometry code)	ITALO 1 0F3 STW 4.5-2M
Rilievo fotometrico (Photometric measurement)	ITALO 1 0F3 STW 4.5-2M
Descrizione apparecchio (Fitting description)	ITALO 1 0F3 STW 4.5-2M
Data delle prove (Date of test)	01-04-2014
Numero di esemplari provati (Number of test samples)	1
Numero rilievi (Number of measurements)	1

DATI APPARECCHIO

(Fitting data)

Geometria apparecchio (Fitting shape)	Rettangolare (Rectangular)
Dimensioni apparecchio (Fitting dimensions)	615x343x106 mm
Dimensioni area luminosa (Luminous area dimensions)	60x220 mm
Tipo sorgente (Type of source)	6 LED 4000K CRI70min.
Efficienza nominale sorgente (Rated source efficiency)	140lm/W@525mA Tj=85°C
Flusso e potenza apparecchio (Luminaire luminous flux and input power)	4440lm_41.5W
Efficienza sistema (System efficiency)	107 lm/W

NORMATIVE DI RIFERIMENTO

(Reference standards)

Normative di riferimento (Reference standards)	UNI EN 13032-1:2012 "Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione" Parte1: Misurazione e formato di file. UNI EN 13032-1:2012 "Measurement and presentation of photometric data of lamps and luminaires" Part1: Measurement and file format. UNI 11356:2010 "Caratterizzazione fotometrica degli apparecchi di illuminazione a LED"
Valutazione luce parassita (Light inside evaluation)	In accordo con Annex A UNI EN 13032-1 (According to Annex A UNI EN 13032-1)

CONDIZIONI DI PROVA E STRUMENTAZIONI DI MISURA

(Test conditions and measuring instruments)

Laboratorio fotometrico (Photometric laboratory)	Interno AEC ILLUMINAZIONE srl, in regime di sistema di qualità aziendale certificato ISO 9001:2008, certificato UL (Internal AEC ILLUMINAZIONE srl, under ISO 9001:2008 quality system and UL certified)		
Condizioni ambientali (Environmental conditions)	Temperatura ambiente 25° +/-1° C (Ambient temperature)		
	Umidità relativa 50+/-5% (Relative humidity)		
	Movimento aria nell'area di prova <0.2m/s (Air flow in the test area)		
Condizioni geometriche di misura (Geometrical test conditions)	In conformità alla UNI EN 13032-1:2012, alla UNI 11356:2010 e alle specifiche tecniche dello strumento di misura ed alle specifiche tecniche dell'apparecchio in prova. (According to UNI EN 13032-1:2012, UNI 11356:2010 and technical specification of measuring instrument and technical specification of fixture under test.)		
Goniofotometro (Goniophotometer)	A rotazione dell'apparecchio secondo EN 13032 e raccomandazione CIE 121 Rotational according to EN 13032 and CIE 121 recommendation		
	<input type="checkbox"/> LAB 1	PRC KROCHMAN 702	
	<input checked="" type="checkbox"/> LAB 2	Oxytech T2	
	Distanza di misura (Measuring distance)	<input checked="" type="checkbox"/> 9.03m	<input type="checkbox"/> 14m
Wattmetro (Power meter)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B) <input checked="" type="checkbox"/> Wattmetro Kinetiq N4L PPA2510 (Kinetiq N4L PPA2510 Power Analyzer)		
Luxmetro (Luxmeter)	<input checked="" type="checkbox"/> C&G		
Alimentazione campione in prova (Power supply of tested sample)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B) <input checked="" type="checkbox"/> Stabilizzatore ELETTRATEST TPS/M 6000 (Stabilizer ELETTRATEST TPS/M)		
	Tensione di alimentazione 230V +/-0.2% (AC power supply voltage)		
	Frequenza di alimentazione 50Hz +/-0.1% (AC power supply frequency)		
	Distorsione armonica <0.5% (Harmonic distortion)		

I risultati delle verifiche e prove qui riportati, si riferiscono esclusivamente agli esemplari esaminati e descritti nella presente Relazione. L'estensione del riferimento ad esemplari che non siano quelli sottoposti alle verifiche descritte in seguito esula dallo scopo delle verifiche stesse. E' vietata la riproduzione integrale o parziale senza l'autorizzazione scritta di Aec illuminazione srl. L'immagine dell'apparecchio nella prima pagina è puramente indicativa della tipologia di apparecchio sottoposto a test.

(Result of tests and verification here reported are solely refer to the samples under test and described in this report. Scope of tests described in this report cannot be extended to other samples different to those referred. Partial or integral reproduction or copy of this report is forbidden without written authorization by AEC Illuminazione srl.) The image of the luminaire on the first page is merely indicative of the kind of luminaire under test.



DATI RILIEVO

(Measurement data)

Posizione di Misura (Measurement position)	Verticale (Vertical)
Tipo di rilievo (Measurement type)	C-Gamma
Tempo di stabilizzazione (Time of stabilization)	45 minuti (45 minutes)
Stabilizzazione flusso (Flux stabilization)	In accordo alla UNI 11356:2010 e EN 13032-1:2012, stabilità raggiunta con variazioni di flusso <1% According to UNI 11356:2010 and EN 13032-1:2012, less than 1% of luminous flux variation
Stabilizzazione Potenza (Power stabilization)	In accordo alla UNI 11356:2010 e EN 13032-1:2012, stabilità raggiunta con variazioni di flusso <1% According to UNI 11356:2010 and EN 13032-1:2012, less than 1% of input power variation

INCERTEZZA STRUMENTALE

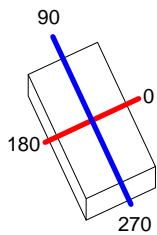
(Instrumental accuracy)

Encoder goniometro Oxytech T2 (Goniophotometer Oxytech T2 encoder)	Precisione angolare in C – gamma (C-gamma angular precision)	$\pm 0.044^\circ$
Luxmetro C&G (C&G luxmeter)	f1'	< 1,23%
Wattmetro Kinetiq N4L PPA2510 (Kinetiq N4L PPA2510 power analyzer)	Accuratezza di potenza (Power accuracy)	< [0.05% + 0.03%/pf + (0.01%/kHz)/pf] Rdg + 0.05%VA Rng

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	ITALO 1 0F3 STW 4.5-2M	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumdat	Data	01-04-2014	Posizione	
Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00	Asimmetrico	
Apparecchio Rettangolare	Lung. 615 mm	Larg. 343 mm	Alt. 106 mm		
Area Luminosa Rettangolare	Lung. 60 mm	Larg. 220 mm	Alt. 0 mm		
Area Luminosa Orizzontale	0.013200 m2	Area Luminosa Piano 180°	0.000000 m2		
Area Luminosa Piano 0°	0.000000 m2	Area Luminosa Piano 270°	0.000000 m2		
Area Luminosa Piano 90°	0.000000 m2	Area Luminosa a 76°	0.003193 m2		
Tipo di Simmetria	Asimmetrico	Massimo Angolo Gamma	180		
Distanza di rilievo	0.00	Flusso di rilievo	4440.00 lm		
Operatore	Alessio Vagheggi	Tensione alimentazione			
Temperatura	25.00 °C	Corrente di alimentazione			
Umidità		Fotocellula			
Note					

Archivio		Lampade Apparecchio			Flusso [lm] Pot. [W]		Q.tà
Eulumdat	Codice	Nome					
Eulumdat	L-IT1-0F3-4000-525-2M	L-IT1-0F3-4000-525-2M - 41.50 W			4440.00	41.50	1
C.I.E.	38 76 97 100 100	D DIN 5040	A20				
F UTE	1.00 E	B NBN	BZ 6 / 0.8 / BZ 5				

615mm x 343mm



Semipiani C

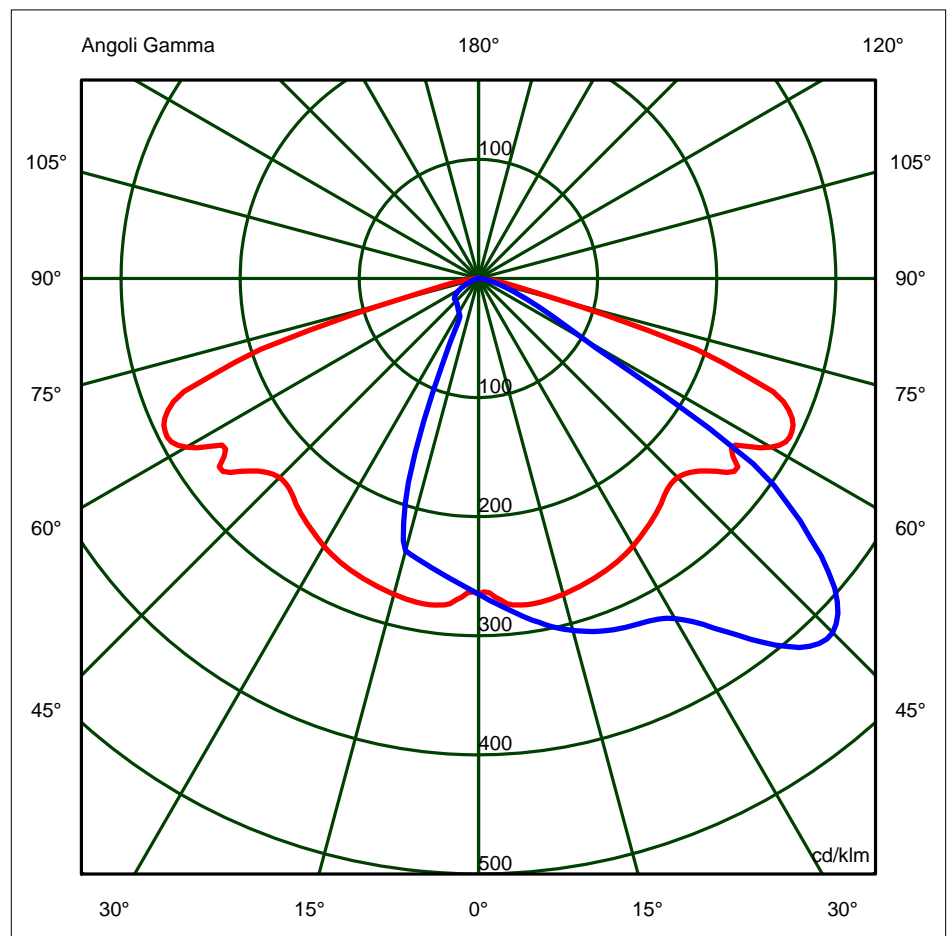
180.0 — 0.0 (Red line)

270.0 — 90.0 (Blue line)

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 1/18						
	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	263.15	264.55	265.90	264.67	266.08	264.89	266.34	264.78	266.84	265.21	267.50	265.73	267.75
G 2.0	264.05	264.77	266.24	265.51	266.94	266.35	267.74	267.11	267.93	267.33	268.17	267.41	268.25
G 3.0	267.87	264.28	265.22	265.22	266.24	266.08	267.66	267.24	269.63	269.05	271.40	270.66	271.39
G 4.0	270.61	267.03	267.78	268.60	268.93	269.80	270.32	270.82	271.25	271.05	272.16	271.93	274.35
G 5.0	274.03	271.09	271.57	273.17	272.93	274.18	274.34	274.64	275.59	275.75	275.65	275.23	275.88
G 6.0	275.56	274.07	275.01	276.39	277.46	278.35	279.43	280.29	279.59	279.08	280.08	279.43	278.84
G 7.0	276.13	277.12	278.50	280.08	280.63	282.33	282.53	283.08	284.83	284.82	284.09	283.51	283.71
G 8.0	276.73	278.08	280.58	281.80	283.76	284.90	287.28	287.46	288.27	288.28	289.73	288.00	287.29
G 9.0	276.93	278.88	281.81	283.26	285.72	287.35	289.79	290.55	292.63	293.07	292.91	292.90	291.74
G 10.0	276.98	279.68	282.91	284.54	287.62	289.37	291.86	293.34	295.77	296.65	297.54	296.43	297.14
G 11.0	276.71	279.91	283.43	285.62	288.95	291.21	294.25	295.86	298.75	299.78	301.50	301.27	300.62
G 12.0	276.34	279.89	283.87	286.33	290.21	292.62	296.24	298.11	301.58	302.51	305.09	305.32	304.57
G 13.0	275.78	279.72	284.03	286.85	291.24	293.78	297.97	300.00	304.09	305.46	308.61	308.48	309.51
G 14.0	275.06	279.32	284.01	287.14	291.81	294.71	299.32	301.69	306.35	307.99	311.32	312.00	313.31
G 15.0	274.34	279.05	283.84	287.36	292.19	295.53	300.42	303.32	308.39	310.50	314.00	315.25	316.74
G 16.0	273.61	278.53	283.66	287.37	292.57	296.26	301.54	304.56	309.96	312.28	316.54	317.93	319.82
G 17.0	272.81	278.09	283.57	287.51	293.09	296.88	302.54	305.77	311.33	314.14	318.77	319.90	322.49
G 18.0	272.15	277.45	283.45	287.64	293.49	297.52	303.34	306.78	312.97	315.59	320.61	321.80	325.00
G 19.0	271.41	277.09	283.31	287.81	294.06	298.20	304.31	307.88	314.15	316.78	322.05	323.48	327.22
G 20.0	270.58	276.61	283.28	288.16	294.58	299.14	305.34	308.89	315.32	318.06	323.52	325.06	328.98
G 21.0	269.77	276.14	283.28	288.61	295.30	300.05	306.38	309.94	316.16	319.01	324.61	326.26	330.29
G 22.0	268.91	275.73	283.28	289.15	296.08	301.08	307.53	311.05	317.23	319.90	325.50	327.10	331.48
G 23.0	268.18	275.25	283.51	289.73	297.10	302.45	308.76	312.27	318.12	320.62	326.37	327.86	332.43
G 24.0	267.08	275.04	283.66	290.32	298.27	304.02	310.34	313.41	319.09	321.30	326.93	328.26	332.83
G 25.0	266.10	274.33	283.79	291.19	299.48	305.77	311.90	314.64	319.92	321.83	327.40	328.67	333.25
G 26.0	265.05	273.98	283.81	292.29	301.19	307.88	313.74	316.13	320.91	322.42	327.72	329.02	333.67
G 27.0	263.57	273.27	284.07	293.40	303.04	309.90	315.61	317.47	321.73	322.82	327.87	328.92	333.65
G 28.0	262.26	272.61	284.31	294.75	305.03	312.46	317.63	318.87	322.52	323.20	328.01	328.74	333.58
G 29.0	260.93	271.98	284.58	296.21	307.45	315.20	320.09	320.58	323.39	323.50	328.02	328.65	333.41
G 30.0	259.41	271.02	284.77	297.61	310.26	318.34	322.88	322.05	324.05	323.61	327.81	328.44	333.51
G 31.0	257.66	269.95	285.00	299.68	313.45	322.20	325.55	323.98	324.67	323.61	327.79	328.29	333.87
G 32.0	255.97	268.96	285.17	301.75	316.94	325.94	328.70	325.65	325.34	323.69	327.59	328.76	334.82
G 33.0	254.31	267.80	285.28	304.13	320.77	329.60	331.90	327.53	325.74	323.65	327.57	329.64	336.62
G 34.0	252.53	266.77	285.25	306.19	324.73	333.99	335.15	329.22	326.15	323.78	327.96	331.25	339.70
G 35.0	250.99	265.30	285.16	308.55	329.11	337.84	338.88	331.02	326.58	324.18	329.03	333.89	344.06
G 36.0	249.11	264.03	284.85	311.06	333.35	342.04	342.37	332.81	327.23	325.04	330.83	337.84	349.40
G 37.0	247.46	262.53	284.51	313.27	337.67	346.25	346.05	334.31	328.18	326.66	333.60	342.87	355.50
G 38.0	245.38	260.96	284.37	315.66	341.47	350.74	349.78	336.07	329.54	328.85	337.17	348.83	363.04
G 39.0	243.56	259.42	283.60	317.64	345.31	356.00	353.56	338.29	331.43	332.00	342.25	355.83	371.99
G 40.0	241.07	257.33	282.70	319.24	349.26	360.28	357.46	341.12	334.67	336.69	348.83	364.33	381.41
G 41.0	239.02	255.58	281.75	320.21	352.53	365.04	361.47	345.41	338.70	342.76	355.97	373.49	390.86
G 42.0	237.43	253.56	280.21	320.26	354.91	370.06	366.01	350.37	345.06	350.53	364.58	384.49	400.22
G 43.0	236.33	251.90	278.88	319.97	356.63	375.32	371.37	356.81	352.91	360.12	375.13	395.63	409.64
G 44.0	235.79	251.20	278.54	319.91	358.50	380.23	378.14	366.33	362.38	370.85	387.14	407.37	418.55
G 45.0	236.41	251.56	279.14	321.10	361.05	386.36	387.39	377.72	374.45	382.93	402.05	419.38	427.33
G 46.0	237.69	253.00	281.66	323.84	364.91	393.14	398.62	392.07	389.81	398.70	418.27	429.95	433.76
G 47.0	239.59	255.79	285.16	329.74	371.92	403.98	412.42	410.84	406.53	419.47	434.95	440.21	438.15
G 48.0	242.46	259.50	290.62	336.77	380.92	416.87	428.33	432.37	426.55	439.41	449.96	447.84	439.86
G 49.0	246.38	264.86	297.86	345.75	393.92	433.08	446.95	455.48	448.62	462.25	462.49	452.12	438.10
G 50.0	251.34	270.76	305.55	357.15	406.74	453.93	472.53	481.01	476.40	478.93	473.19	453.44	432.31
G 51.0	257.28	278.91	317.52	368.26	426.28	479.78	503.11	515.18	506.78	496.68	480.49	449.97	422.66
G 52.0	264.42	289.44	329.18	384.31	445.10	505.87	536.95	551.57	533.68	511.23	484.92	439.95	411.74
G 53.0	268.89	299.08	343.83	401.91	467.91	538.42	576.32	589.05	559.42	524.01	484.69	426.37	397.40
G 54.0	269.05	309.56	360.55	421.17	491.70	566.70	611.17	627.43	584.52	533.28	478.88	411.63	383.35
G 55.0	260.80	315.60	371.97	439.14	517.26	603.30	651.21	659.50	607.66	537.39	466.86	395.95	367.59
G 56.0	256.13	313.14	381.48	454.18	544.14	640.56	691.73	689.66	626.80	534.64	450.52	377.01	348.80
G 57.0	256.65	314.27	383.85	461.72	565.88	674.78	726.66	715.28	637.37	523.71	432.23	360.94	327.92
G 58.0	265.91	321.34	392.86	471.32	581.28	702.88	756.05	732.73	637.03	503.42	407.39	335.65	308.22
G 59.0	276.03	337.01	408.09	487.74	596.00	717.76	771.90	737.43	623.72	475.73	381.44	310.42	283.89
G 60.0	283.25	351.64	427.80	512.30	615.41	725.44	770.90	727.80	599.80	440.54	351.89	283.13	252.86
G 61.0	288.69	364.63	447.10	535.02	639.02	730.18	757.40	702.32	569.56	402.68	317.63	251.67	199.20
G 62.0	292.02	373.97	464.34	554.48	662.07	733.38	735.15	653.36	518.08	363.23	282.46	203.69	143.23
G 63.0	293.23	380.82	477.04	570.93	676.88	729.89	716.24	603.43	457.86	316.99	243.55	144.25	105.08
G 64.0	292.71	384.40	486.87	582.97	683.08	717.92	688.99	544.77	386.90	272.01	188.43	106.07	93.03
G 65.0	291.39	385.92	492.89	590.31	682.27	700.23	652.18	495.61	323.47	212.99	133.25	91.03	81.81
G 66.0	288.21	386.01	495.18	592.35	672.21	675.29	614.29	435.79	275.17	150.35	97.96	78.93	73.54
G 67.0	283.16	384.41	494.35	588.53	656.63	640.45	566.42	383.56	223.07	111.06	83.70	70.46	64.28
G 68.0	276.19	380.59	490.60	578.64	632.41	606.42	517.26	335.43	178.76	89.55	70.74	61.53	56.71
G 69.0	264.90	374.24	482.95	562.50	610.84	565.02	469.34	282.93	135.54	72.89	60.86	53.76	49.96
G 70.0	238.80	365.23	471.52	541.82	571.60	520.76	415.93	229.35	105.99	60.55	52.48	47.53	44.55
G 71.0	216.51	336.02	455.88	512.74	535.55	477.35	367.76	180.41	84.55	50.16	45.70	41.87	39.92
G 72.0	192.15	311.79	414.46	465.96	489.64	428.57	310.88	142.74	64.33	43.35	40.20	37.12	35.22

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm							Tabella 2/18						
	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00	
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	
G 1.0	266.02	267.62	266.94	267.46	267.60	267.47	267.60	267.46	266.94	267.62	266.02	267.75	265.73	
G 2.0	267.11	268.41	268.10	269.37	269.79	270.44	269.79	269.37	268.10	268.41	267.11	268.25	267.41	
G 3.0	270.41	270.59	270.23	271.17	272.14	272.91	272.14	271.17	270.23	270.59	270.41	271.39	270.66	
G 4.0	273.80	273.87	273.34	273.16	274.71	275.84	274.71	273.16	273.34	273.87	273.80	274.35	271.93	
G 5.0	275.97	277.31	276.63	276.08	277.12	278.46	277.12	276.08	276.63	277.31	275.97	275.88	275.23	
G 6.0	278.01	280.08	280.24	278.80	279.70	281.52	279.70	278.80	280.24	280.08	278.01	278.84	279.43	
G 7.0	282.47	281.96	283.03	282.35	282.48	284.57	282.48	282.35	283.03	281.96	282.47	283.71	283.51	
G 8.0	286.44	285.52	285.55	286.03	285.43	287.59	285.43	286.03	285.55	285.52	286.44	287.29	288.00	
G 9.0	290.40	289.55	288.31	289.42	288.68	290.62	288.68	289.42	289.55	289.55	290.40	291.74	292.90	
G 10.0	294.28	293.94	291.51	292.79	291.50	293.00	291.50	292.79	291.51	293.94	294.28	297.14	296.43	
G 11.0	299.43	297.40	295.52	295.37	294.38	296.12	294.38	295.37	295.52	297.40	299.43	300.62	301.27	
G 12.0	303.32	301.12	299.33	297.77	297.10	298.69	297.10	297.77	299.33	301.12	303.32	304.57	305.32	
G 13.0	306.92	305.51	302.80	300.55	299.86	301.67	299.86	300.55	302.80	305.51	306.92	309.51	308.48	
G 14.0	310.80	310.19	306.27	303.12	302.65	303.75	302.65	303.12	306.27	310.19	310.80	313.31	312.00	
G 15.0	315.17	313.42	309.57	305.99	305.37	305.66	305.37	305.99	309.57	313.42	315.17	316.74	315.25	
G 16.0	318.41	316.65	312.36	308.73	307.64	307.82	307.64	308.73	312.36	316.65	318.41	319.82	317.93	
G 17.0	321.43	319.67	315.62	311.30	309.97	309.99	309.97	311.30	315.62	319.67	321.43	322.49	319.90	
G 18.0	324.04	323.22	318.86	314.27	311.83	311.69	311.83	314.27	318.86	323.22	324.04	325.00	321.80	
G 19.0	326.12	326.18	321.17	316.62	313.50	313.15	313.50	316.62	321.17	326.18	326.12	327.22	323.48	
G 20.0	328.37	328.65	323.28	318.50	314.87	314.49	314.87	318.50	323.28	328.65	328.37	328.98	325.06	
G 21.0	329.73	330.34	325.15	320.32	316.10	315.85	316.10	320.32	325.15	330.34	329.73	330.29	326.26	
G 22.0	330.86	331.99	326.88	321.89	317.03	316.92	317.03	321.89	326.88	331.99	330.86	331.48	327.10	
G 23.0	331.75	333.02	328.26	323.21	317.84	317.88	317.84	323.21	328.26	333.02	331.75	332.43	327.86	
G 24.0	332.39	334.03	329.46	324.48	318.63	318.89	318.63	324.48	329.46	334.03	332.39	332.83	328.26	
G 25.0	332.91	334.59	330.21	325.27	319.39	319.80	319.39	325.27	330.21	334.59	332.91	333.25	328.67	
G 26.0	333.02	334.84	330.59	326.06	320.43	320.65	320.43	326.06	330.59	334.84	333.02	333.67	329.02	
G 27.0	332.96	335.16	331.19	326.68	321.44	321.90	321.44	326.68	331.19	335.16	332.96	333.65	328.92	
G 28.0	333.19	335.40	331.75	327.69	323.14	323.82	323.14	327.69	331.75	335.40	333.19	333.58	328.74	
G 29.0	333.47	336.19	333.03	329.03	325.66	326.19	325.66	329.03	333.03	336.19	333.47	333.41	328.65	
G 30.0	334.15	337.54	335.46	331.47	328.42	329.61	328.42	331.47	335.46	337.54	334.15	333.51	328.44	
G 31.0	335.97	339.90	338.74	335.03	333.40	334.30	333.40	335.03	338.74	339.90	335.97	333.87	328.29	
G 32.0	338.34	343.34	343.59	339.84	338.57	339.68	338.57	339.84	343.34	343.59	338.34	334.82	328.76	
G 33.0	341.86	348.23	349.62	345.40	344.98	346.19	344.98	345.40	348.23	349.62	341.86	336.62	329.64	
G 34.0	346.67	353.77	356.14	352.38	351.55	354.28	351.55	352.38	353.77	356.14	346.67	339.70	331.25	
G 35.0	352.39	360.94	364.17	360.60	359.85	361.76	359.85	360.60	360.94	364.17	352.39	344.06	333.89	
G 36.0	360.30	368.53	373.15	368.59	368.24	370.02	368.24	368.59	373.15	368.53	360.30	349.40	337.84	
G 37.0	367.52	377.72	382.41	377.67	376.34	379.21	376.34	377.67	382.41	377.72	367.52	355.50	342.87	
G 38.0	376.18	386.57	391.99	387.12	384.63	387.53	384.63	387.12	391.99	386.57	376.18	363.04	348.83	
G 39.0	385.24	396.19	401.54	395.06	393.03	396.06	393.03	395.06	401.54	396.19	385.24	371.99	355.83	
G 40.0	393.93	404.78	410.55	404.35	399.29	403.22	399.29	404.35	404.78	393.93	393.93	381.41	364.33	
G 41.0	404.13	413.52	417.85	412.01	405.92	410.51	405.92	412.01	417.85	413.52	404.13	390.86	373.49	
G 42.0	412.15	421.11	425.51	418.42	410.71	415.46	410.71	418.42	425.51	421.11	412.15	400.22	384.49	
G 43.0	419.42	427.40	430.48	423.57	413.93	419.08	413.93	423.57	430.48	427.40	419.42	409.64	395.63	
G 44.0	424.90	432.03	433.61	426.24	414.84	420.88	414.84	426.24	433.61	432.03	424.90	418.55	407.37	
G 45.0	429.43	434.91	434.57	427.01	413.97	420.41	413.97	427.01	434.91	434.57	429.43	427.33	419.38	
G 46.0	431.76	435.31	432.69	425.45	410.42	417.39	410.42	425.45	432.69	435.31	431.76	433.76	429.95	
G 47.0	431.29	433.10	428.37	421.43	404.53	412.45	404.53	421.43	428.37	433.10	431.29	438.15	440.21	
G 48.0	428.18	429.11	422.15	414.03	396.22	405.29	396.22	414.03	422.15	429.11	428.18	439.86	447.84	
G 49.0	422.34	421.57	413.13	405.44	386.77	396.22	386.77	405.44	413.13	421.57	422.34	438.10	452.12	
G 50.0	414.36	411.74	401.36	394.11	374.57	383.50	374.57	394.11	401.36	411.74	414.36	432.31	453.44	
G 51.0	403.21	400.08	388.59	380.16	361.15	370.27	361.15	380.16	388.59	400.08	403.21	422.66	449.97	
G 52.0	389.11	386.10	372.36	365.43	344.31	352.82	344.31	365.43	372.36	386.10	389.11	411.74	439.95	
G 53.0	373.74	369.39	356.35	347.59	328.70	338.23	328.70	347.59	356.35	369.39	373.74	397.40	426.37	
G 54.0	358.58	352.61	338.23	331.44	310.59	319.60	310.59	331.44	338.23	352.61	358.58	383.35	411.63	
G 55.0	341.64	334.99	320.78	312.54	292.42	302.92	292.42	312.54	320.78	334.99	341.64	367.59	395.95	
G 56.0	323.67	314.86	300.50	295.94	269.16	278.25	269.16	295.94	300.50	314.86	323.67	348.80	377.01	
G 57.0	303.65	296.05	269.04	250.58	221.37	230.94	221.37	250.58	269.04	296.05	303.65	327.92	360.94	
G 58.0	280.91	258.90	218.35	205.86	163.77	175.47	163.77	205.86	218.35	258.90	280.91	308.22	335.65	
G 59.0	233.24	208.43	162.99	143.91	115.60	128.80	115.60	143.91	162.99	208.43	233.24	283.89	310.42	
G 60.0	187.66	152.74	114.64	107.71	96.70	101.32	96.70	107.71	114.64	152.74	187.66	252.86	283.13	
G 61.0	133.67	112.72	100.45	96.17	86.58	89.78	86.58	96.17	100.45	112.72	133.67	199.20	251.67	
G 62.0	104.73	98.09	89.81	84.47	76.05	78.84	76.05	84.47	89.81	98.09	104.73	143.23	203.69	
G 63.0	91.72	87.25	79.47	74.70	67.43	70.36	67.43	74.70	79.47	87.25	91.72	105.08	144.25	
G 64.0	81.37	76.92	70.22	66.34	59.50	61.65	59.50	66.34	70.22	76.92	81.37	93.03	106.07	
G 65.0	71.75	68.97	61.76	58.71	52.71	55.41	52.71	58.71	61.76	68.97	71.75	81.81	91.03	
G 66.0	64.06	60.54	54.78	52.13	46.50	48.16	46.50	52.13	54.78	60.54	64.06	73.54	78.93	
G 67.0	56.91	53.69	48.31	45.44	41.17	42.22	41.17	45.44	48.31	53.69	56.91	64.28	70.46	
G 68.0	50.15	47.01	42.93	40.59	36.79	37.58	36.79	40.59	42.93	47.01	50.15	56.71	61.53	
G 69.0	44.10	41.56	38.02	35.92	32.70	33.62	32.70	35.92	38.02	41.56	44.10	49.96	53.76	
G 70.0	39.33	37.32	34.22	32.31	29.37	30.44	29.37	32.31	34.22	37.32	39.33	44.55	47.53	
G 71.0	35.43	33.71	30.71	29.56	26.52	26.89	26.52	29.56	30.71	33.71	35.43	39.92	41.87	
G 72.0	31.89	30.28	27.66	26.49	23.60	23.99	23.60	26.49	27.66	30.28	31.89	35.22	37.12	

Apparecchio		Rilievo							Lampada						
Codice	ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M							Codice	L-IT1-0F3-4000-525-2M					
Nome	ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M							Numero	1					
Archivio	Eulumdat	Data 01-04-2014							Posizione						
Rendimento	100.00%							Sistema Coordinate	CG				Flusso Totale	4440.00 lm	
Tabella Intensità Luminose - cd/klm Tabella 4/18															
	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00		
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92		
G 1.0	264.09	264.05	263.17	263.98	262.10	263.33	261.29	262.42	260.66	261.54	260.65	261.16	261.35		
G 2.0	261.73	261.75	260.75	260.82	260.39	261.02	260.57	261.08	259.67	260.43	258.32	258.55	258.03		
G 3.0	262.59	262.76	260.41	260.62	258.15	258.95	257.04	257.49	257.05	257.94	256.91	257.11	255.44		
G 4.0	264.77	264.98	261.60	261.82	258.82	258.86	256.11	256.13	253.79	254.08	254.11	255.12	253.72		
G 5.0	267.71	267.53	264.21	264.19	259.76	259.48	255.86	255.51	252.66	252.39	250.69	251.76	252.04		
G 6.0	269.96	269.82	266.03	265.59	261.77	261.43	256.53	255.24	251.77	251.15	248.47	248.66	249.89		
G 7.0	271.14	270.27	267.48	267.02	262.77	262.23	258.03	256.76	251.25	249.87	246.99	246.48	247.10		
G 8.0	271.15	269.89	267.23	266.64	263.55	263.10	258.65	257.27	252.14	249.31	245.30	244.56	244.03		
G 9.0	270.77	269.30	266.65	265.80	262.91	262.72	259.26	257.87	252.65	249.83	244.01	242.84	241.38		
G 10.0	270.28	268.54	265.90	264.77	261.99	261.68	258.98	258.07	253.16	250.22	243.32	241.17	239.19		
G 11.0	269.44	267.53	264.80	263.63	260.86	260.27	257.78	257.31	253.28	250.46	243.31	239.63	237.41		
G 12.0	268.52	266.47	263.74	262.33	259.47	259.04	256.57	256.31	253.05	250.94	243.53	238.72	235.76		
G 13.0	267.43	265.18	262.39	260.86	258.00	257.69	255.01	254.75	252.47	250.70	243.59	238.25	233.80		
G 14.0	266.21	263.81	260.78	259.48	256.61	256.03	253.65	253.34	250.84	250.15	243.91	237.85	232.18		
G 15.0	264.91	262.32	259.23	257.86	255.00	254.29	252.09	251.64	249.45	248.86	243.93	237.52	230.50		
G 16.0	263.63	260.94	257.66	256.40	253.42	252.89	250.50	250.13	247.96	247.49	243.52	237.27	228.57		
G 17.0	262.19	259.31	256.25	254.94	252.07	251.35	248.86	248.58	246.47	245.92	242.39	233.89	222.57		
G 18.0	260.77	258.02	254.53	253.30	250.31	249.61	247.29	246.72	244.75	243.92	239.27	228.76	215.67		
G 19.0	259.37	256.34	253.20	251.57	248.76	247.81	245.46	244.90	242.51	241.48	235.48	223.41	206.32		
G 20.0	258.13	254.91	251.61	249.89	247.10	246.01	243.54	242.78	240.18	238.99	230.80	203.55	187.46		
G 21.0	256.69	253.44	250.16	248.32	245.36	244.23	241.61	240.69	238.08	228.37	211.50	180.88	164.74		
G 22.0	255.22	251.69	248.54	246.65	243.67	242.59	239.87	238.72	234.32	208.40	189.23	154.82	143.01		
G 23.0	253.52	250.20	246.77	244.82	241.90	240.67	238.02	234.93	218.04	183.18	162.39	136.82	123.51		
G 24.0	251.73	248.40	245.04	242.91	239.98	238.72	235.87	218.66	192.11	159.94	147.16	111.27	93.06		
G 25.0	250.32	246.56	243.32	241.12	238.05	236.64	232.12	197.22	169.55	143.20	120.31	85.76	71.25		
G 26.0	248.68	244.82	241.42	239.37	236.13	234.55	218.18	173.50	151.56	115.06	91.77	57.56	47.62		
G 27.0	246.81	243.31	239.42	237.41	234.37	230.48	200.21	155.05	129.79	88.17	66.55	40.57	37.33		
G 28.0	245.23	241.48	237.84	235.45	232.16	214.96	179.61	137.50	105.99	62.20	43.43	37.62	36.27		
G 29.0	242.93	239.76	235.96	233.62	230.11	198.08	156.50	115.19	77.96	42.07	38.49	36.94	35.61		
G 30.0	241.09	237.60	234.25	231.66	226.28	178.59	142.29	88.94	52.24	39.35	37.68	36.46	35.10		
G 31.0	239.35	235.78	232.30	229.38	213.57	156.97	119.96	67.36	41.03	38.71	37.29	35.98	34.65		
G 32.0	237.74	233.85	230.51	227.18	195.95	144.28	97.15	44.55	39.65	38.27	36.81	35.59	34.16		
G 33.0	235.88	232.02	228.28	224.11	178.18	123.37	75.35	40.87	39.13	37.89	36.48	35.17	33.76		
G 34.0	233.87	230.21	226.28	212.90	159.38	103.16	52.15	40.25	38.71	37.53	36.14	34.86	33.36		
G 35.0	231.88	227.91	223.83	197.21	146.36	81.57	42.29	39.74	38.33	37.20	35.79	34.55	33.01		
G 36.0	229.86	225.57	221.49	182.12	129.20	58.15	40.91	39.40	37.97	36.93	35.51	34.21	32.67		
G 37.0	227.87	223.48	218.60	164.00	107.76	45.23	40.39	39.02	37.67	36.67	35.25	33.94	32.37		
G 38.0	225.94	221.38	214.83	148.75	90.80	42.39	40.07	38.69	37.40	36.45	35.00	33.73	32.08		
G 39.0	223.92	218.78	204.75	136.76	70.50	41.87	39.73	38.38	37.18	36.23	34.83	33.55	31.88		
G 40.0	221.75	215.97	189.59	118.69	51.63	41.62	39.42	38.14	36.89	36.08	34.70	33.47	31.74		
G 41.0	219.16	213.31	174.05	99.73	44.94	41.40	39.21	37.88	36.65	35.94	34.64	33.42	31.66		
G 42.0	216.62	210.07	158.22	81.39	43.60	41.25	39.02	37.64	36.47	35.83	34.61	33.39	31.56		
G 43.0	214.26	206.59	143.45	64.18	43.37	41.16	38.89	37.44	36.26	35.75	34.60	33.33	31.48		
G 44.0	211.17	199.47	131.87	51.39	43.31	41.13	38.77	37.26	36.09	35.69	34.57	33.35	31.47		
G 45.0	208.30	187.61	116.28	46.91	43.28	41.17	38.70	37.16	35.97	35.60	34.57	33.42	31.51		
G 46.0	205.11	176.09	99.71	46.06	43.33	41.29	38.73	37.13	35.84	35.53	34.62	33.51	31.55		
G 47.0	202.11	159.97	82.60	45.99	43.47	41.47	38.85	37.18	35.72	35.48	34.67	33.55	31.67		
G 48.0	199.10	145.63	67.07	46.07	43.64	41.74	39.06	37.26	35.66	35.40	34.66	33.60	31.73		
G 49.0	195.99	132.99	55.33	46.23	43.97	42.11	39.40	37.43	35.65	35.27	34.61	33.60	31.78		
G 50.0	192.95	121.35	49.91	46.50	44.29	42.60	39.79	37.69	35.70	35.13	34.46	33.51	31.72		
G 51.0	188.70	108.21	48.66	46.85	44.82	43.20	40.26	38.04	35.80	34.85	34.23	33.34	31.52		
G 52.0	181.73	92.53	48.79	47.41	45.50	43.94	40.84	38.46	35.76	34.48	33.93	33.02	31.20		
G 53.0	167.24	75.99	49.20	48.20	46.36	44.89	41.50	38.91	35.63	34.10	33.49	32.48	30.72		
G 54.0	149.30	64.60	49.75	49.14	47.38	45.90	42.35	39.15	35.52	33.66	32.94	31.83	30.02		
G 55.0	125.53	56.52	50.39	50.33	48.65	47.02	43.27	39.29	35.40	33.18	32.26	30.91	29.14		
G 56.0	107.07	53.86	51.30	51.96	50.31	48.52	43.99	39.42	35.21	32.63	31.36	29.94	28.09		
G 57.0	94.88	53.67	52.29	53.56	52.35	50.09	44.48	39.49	34.91	31.91	30.29	28.79	26.92		
G 58.0	85.21	53.79	53.44	56.11	54.72	51.93	45.00	39.47	34.49	31.02	29.10	27.38	25.72		
G 59.0	79.08	53.85	54.85	58.75	57.36	53.39	45.48	39.30	33.85	30.07	27.83	26.06	24.36		
G 60.0	71.09	53.89	56.29	61.18	60.34	54.75	45.93	38.99	33.10	28.89	26.61	24.59	23.07		
G 61.0	63.92	53.79	57.86	64.18	63.38	56.22	46.35	38.45	32.08	27.67	25.33	23.21	21.67		
G 62.0	57.92	53.51	59.29	67.13	65.85	57.52	46.60	37.67	30.79	26.15	23.74	21.74	20.30		
G 63.0	53.99	52.86	60.56	69.95	67.79	58.70	46.62	36.72	29.30	24.55	22.20	20.30	18.80		
G 64.0	51.54	51.95	61.23	71.58	69.20	59.27	46.29	35.55	27.78	22.84	20.62	18.55	17.26		
G 65.0	49.45	50.81	61.31	71.96	69.81	59.35	45.60	34.04	26.14	21.22	19.05	16.93	15.49		
G 66.0	47.35	49.55	60.65	71.21	69.59	58.45	44.54	32.25	24.43	19.34	17.27	15.05	13.98		
G 67.0	45.45	48.06	59.32	69.61	68.02	56.74	42.60	30.12	22.40	17.30	15.33	13.40	12.29		
G 68.0	43.40	46.32	57.40	66.35	65.30	53.89	40.29	27.70	20.08	15.27	13.29	11.55	10.62		
G 69.0	41.40	43.86	54.24	61.88	61.36	49.60	37.45	25.01	17.42	13.02	11.58	9.95	9.19		
G 70.0	39.02	41.21	50.06	56.11	55.57	44.81	33.55	21.86	15.05	11.10	9.83	8.43	7.82		
G 71.0	36.48	38.13	45.53	49.54	48.98	39.45	29.20	18.08	12.68	9.57	8.52	7.25	6.88		
G 72.0	33.77	35.28	40.51	43.29	41.70	33.37	24.74	15.22	10.72	8.07	7.16	6.25	5.92		

Apparecchio Codice ITALO 1 0F3 STW 4.5-2M Nome ITALO 1 0F3 STW 4.5-2M Archivio Eulumdat	Rilievo Codice ITALO 1 0F3 STW 4.5-2M Nome ITALO 1 0F3 STW 4.5-2M Data 01-04-2014	Lampada Codice L-IT1-0F3-4000-525-2M Numero 1 Posizione
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Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminosa - cd/klm							Tabella 5/18					
	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	261.68	262.40	262.43	262.40	261.68	261.35	261.16	260.65	261.54	260.66	262.42	261.29	263.33
G 2.0	258.47	259.79	260.18	259.79	258.47	258.03	258.55	258.32	260.43	259.67	261.08	260.57	261.02
G 3.0	255.69	257.08	258.01	257.08	255.69	255.44	257.11	256.91	257.94	257.05	257.49	257.04	258.95
G 4.0	253.26	254.49	255.87	254.49	253.26	253.72	255.12	254.11	254.08	253.79	256.13	256.11	258.86
G 5.0	251.23	251.99	253.80	251.99	251.23	252.04	251.76	250.69	252.39	252.66	255.51	255.86	259.48
G 6.0	249.55	249.64	251.77	249.64	249.55	249.89	248.66	248.47	251.15	251.77	255.24	256.53	261.43
G 7.0	247.95	247.44	249.73	247.44	247.95	247.10	246.48	246.99	249.87	251.25	256.76	258.03	262.23
G 8.0	246.22	245.48	248.06	245.48	246.22	244.03	244.56	245.30	249.31	252.14	257.27	258.65	263.10
G 9.0	243.98	243.94	246.27	243.94	243.98	241.38	242.84	244.01	249.83	252.65	257.87	259.26	262.72
G 10.0	241.34	242.17	244.63	242.17	241.34	239.19	241.17	243.32	250.22	253.16	258.07	258.98	261.68
G 11.0	238.88	240.59	242.99	240.59	238.88	237.41	239.63	243.31	250.46	253.28	257.31	257.78	260.27
G 12.0	236.49	239.14	241.56	239.14	236.49	235.76	238.72	243.53	250.94	253.05	256.31	256.57	259.04
G 13.0	234.20	237.69	239.78	237.69	234.20	233.80	238.25	243.59	250.70	252.47	254.75	255.01	257.69
G 14.0	232.03	236.28	238.34	236.28	232.03	232.18	237.85	243.91	250.15	250.84	253.34	253.65	256.03
G 15.0	230.08	234.51	236.54	234.51	230.08	230.50	237.52	243.93	248.86	249.45	251.64	252.09	254.29
G 16.0	224.50	229.81	228.82	229.81	224.50	228.57	237.27	243.52	247.49	247.96	250.13	250.50	252.89
G 17.0	213.80	218.23	214.92	218.23	213.80	222.57	233.89	242.39	245.92	246.47	248.58	248.86	251.35
G 18.0	204.01	204.53	198.83	204.53	204.01	215.67	228.76	239.27	243.92	244.75	246.72	247.29	249.61
G 19.0	185.92	183.90	180.82	183.90	185.92	206.32	223.41	235.48	241.48	242.51	244.90	245.46	247.81
G 20.0	165.62	163.36	155.13	163.36	165.62	187.46	203.55	230.80	238.99	240.18	242.78	243.54	246.01
G 21.0	137.71	136.41	127.63	136.41	137.71	164.74	180.88	211.50	228.37	238.08	240.69	241.61	244.23
G 22.0	120.10	113.78	100.79	113.78	120.10	143.01	154.82	189.23	208.40	234.32	238.72	239.87	242.59
G 23.0	93.05	87.23	74.49	87.23	93.05	123.51	136.82	162.39	183.18	218.04	234.93	238.02	240.67
G 24.0	72.08	65.80	58.03	65.80	72.08	93.06	111.27	147.16	159.94	192.11	218.66	235.87	238.72
G 25.0	48.53	48.61	40.68	48.61	48.53	71.25	85.76	120.31	143.20	169.55	197.22	232.12	236.64
G 26.0	37.01	36.27	35.48	36.27	37.01	47.62	57.56	91.77	115.06	151.56	173.50	218.18	234.55
G 27.0	35.56	34.99	34.63	34.99	35.56	37.33	40.57	66.55	88.17	129.79	155.05	200.21	230.48
G 28.0	34.92	34.27	33.93	34.27	34.92	36.27	37.62	43.43	62.20	105.99	137.50	179.61	214.96
G 29.0	34.45	33.67	33.37	33.67	34.45	35.61	36.94	38.49	42.07	77.96	115.19	156.50	198.08
G 30.0	33.93	33.18	32.85	33.18	33.93	35.10	36.46	37.68	39.35	52.24	88.94	142.29	178.59
G 31.0	33.45	32.69	32.27	32.69	33.45	34.65	35.98	37.29	38.71	41.03	67.36	119.96	156.97
G 32.0	32.98	32.17	31.75	32.17	32.98	34.16	35.59	36.81	38.27	39.65	44.55	97.15	144.28
G 33.0	32.56	31.71	31.27	31.71	32.56	33.76	35.17	36.48	37.89	39.13	40.87	75.35	123.37
G 34.0	32.13	31.27	30.78	31.27	32.13	33.36	34.86	36.14	37.53	38.71	40.25	52.15	103.16
G 35.0	31.67	30.81	30.35	30.81	31.67	33.01	34.55	35.79	37.20	38.33	39.74	42.29	81.57
G 36.0	31.28	30.26	29.73	30.26	31.28	32.67	34.21	35.51	36.93	37.97	39.40	40.91	58.15
G 37.0	30.92	29.79	29.11	29.79	30.92	32.37	33.94	35.25	36.67	37.67	39.02	40.39	45.23
G 38.0	30.52	29.25	28.55	29.25	30.52	32.08	33.73	35.00	36.45	37.40	38.69	40.07	42.39
G 39.0	30.26	28.82	28.19	28.82	30.26	31.88	33.55	34.83	36.23	37.18	38.38	39.73	41.87
G 40.0	30.11	28.58	27.89	28.58	30.11	31.74	33.47	34.70	36.08	36.89	38.14	39.42	41.62
G 41.0	29.94	28.32	27.59	28.32	29.94	31.66	33.42	34.64	35.94	36.65	37.88	39.21	41.40
G 42.0	29.78	28.07	27.31	28.07	29.78	31.56	33.39	34.61	35.83	36.47	37.64	39.02	41.25
G 43.0	29.69	27.91	27.11	27.91	29.69	31.48	33.33	34.60	35.75	36.26	37.44	38.89	41.16
G 44.0	29.65	27.79	26.94	27.79	29.65	31.47	33.35	34.57	35.69	36.09	37.26	38.77	41.13
G 45.0	29.64	27.66	26.78	27.66	29.64	31.51	33.42	34.57	35.60	35.97	37.16	38.70	41.17
G 46.0	29.70	27.64	26.78	27.64	29.70	31.55	33.51	34.62	35.53	35.84	37.13	38.73	41.29
G 47.0	29.81	27.70	26.79	27.70	29.81	31.67	33.55	34.67	35.48	35.72	37.18	38.85	41.47
G 48.0	29.87	27.68	26.74	27.68	29.87	31.73	33.60	34.66	35.40	35.66	37.26	39.06	41.74
G 49.0	29.84	27.60	26.62	27.60	29.84	31.78	33.60	34.61	35.27	35.65	37.43	39.40	42.11
G 50.0	29.70	27.42	26.38	27.42	29.70	31.72	33.51	34.46	35.13	35.70	37.69	39.79	42.60
G 51.0	29.41	27.12	26.05	27.12	29.41	31.52	33.34	34.23	34.85	35.80	38.04	40.26	43.20
G 52.0	29.02	26.69	25.57	26.69	29.02	31.20	33.02	33.93	34.48	35.76	38.46	40.84	43.94
G 53.0	28.36	26.15	24.98	26.15	28.36	30.72	32.48	33.49	34.10	35.63	38.91	41.50	44.89
G 54.0	27.65	25.44	24.19	25.44	27.65	30.02	31.83	32.94	33.66	35.52	39.15	42.35	45.90
G 55.0	26.82	24.58	23.21	24.58	26.82	29.14	30.91	32.26	33.18	35.40	39.29	43.27	47.02
G 56.0	25.76	23.59	22.22	23.59	25.76	28.09	29.94	31.36	32.63	35.21	39.42	43.99	48.52
G 57.0	24.64	22.57	21.20	22.57	24.64	26.92	28.79	30.29	31.91	34.91	39.49	44.48	50.09
G 58.0	23.42	21.38	20.08	21.38	23.42	25.72	27.38	29.10	31.02	34.49	39.47	45.00	51.93
G 59.0	22.21	20.42	19.05	20.42	22.21	24.36	26.06	27.83	30.07	33.85	39.30	45.48	53.39
G 60.0	20.93	19.23	17.89	19.23	20.93	23.07	24.59	26.61	28.89	33.10	38.99	45.93	54.75
G 61.0	19.72	18.05	16.73	18.05	19.72	21.67	23.21	25.33	27.67	32.08	38.45	46.35	56.22
G 62.0	18.44	16.73	15.50	16.73	18.44	20.30	21.74	23.74	26.15	30.79	37.67	46.60	57.52
G 63.0	16.88	15.48	14.30	15.48	16.88	18.80	20.30	22.20	24.55	29.30	36.72	46.62	58.70
G 64.0	15.43	14.26	13.09	14.26	15.43	17.26	18.55	20.62	22.84	27.78	35.55	46.29	59.27
G 65.0	13.85	12.83	11.85	12.83	13.85	15.49	16.93	19.05	21.22	26.14	34.04	45.60	59.35
G 66.0	12.36	11.43	10.50	11.43	12.36	13.98	15.05	17.27	19.34	24.43	32.25	44.54	58.45
G 67.0	10.82	9.97	9.32	9.97	10.82	12.29	13.40	15.33	17.30	22.40	30.12	42.60	56.74
G 68.0	9.43	8.83	8.09	8.83	9.43	10.62	11.55	13.29	15.27	20.08	27.70	40.29	53.89
G 69.0	8.10	7.59	7.05	7.59	8.10	9.19	9.95	11.58	13.02	17.42	25.01	37.45	49.60
G 70.0	7.03	6.70	6.25	6.70	7.03	7.82	8.43	9.83	11.10	15.05	21.86	33.55	44.81
G 71.0	6.10	5.87	5.46	5.87	6.10	6.88	7.25	8.52	9.57	12.68	18.08	29.20	39.45
G 72.0	5.45	5.19	4.88	5.19	5.45	5.92	6.25	7.16	8.07	10.72	15.22	24.74	33.37

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm				Tabella 6/18			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	
G 1.0	262.10	263.98	263.17	264.05	264.09	264.66	264.68	
G 2.0	260.39	260.82	260.75	261.75	261.73	263.11	262.86	
G 3.0	258.15	260.62	260.41	262.76	262.59	265.10	264.35	
G 4.0	258.82	261.82	261.60	264.98	264.77	268.53	267.36	
G 5.0	259.76	264.19	264.21	267.53	267.71	270.88	270.73	
G 6.0	261.77	265.59	266.03	269.82	269.96	273.11	273.46	
G 7.0	262.77	267.02	267.48	270.27	271.14	273.77	274.30	
G 8.0	263.55	266.64	267.23	269.89	271.15	273.89	274.79	
G 9.0	262.91	265.80	266.65	269.30	270.77	273.56	274.94	
G 10.0	261.99	264.77	265.90	268.54	270.28	273.15	274.72	
G 11.0	260.86	263.63	264.80	267.53	269.44	272.48	274.35	
G 12.0	259.47	262.33	263.74	266.47	268.52	271.71	273.91	
G 13.0	258.00	260.86	262.39	265.18	267.43	270.69	272.96	
G 14.0	256.61	259.48	260.78	263.81	266.21	269.39	272.09	
G 15.0	255.00	257.86	259.23	262.32	264.91	268.40	271.12	
G 16.0	253.42	256.40	257.66	260.94	263.63	267.35	270.13	
G 17.0	252.07	254.94	256.25	259.31	262.19	266.17	269.19	
G 18.0	250.31	253.30	254.53	258.02	260.77	264.95	268.23	
G 19.0	248.76	251.57	253.20	256.34	259.37	263.64	267.17	
G 20.0	247.10	249.89	251.61	254.91	258.13	262.24	266.19	
G 21.0	245.36	248.32	250.16	253.44	256.69	260.87	265.29	
G 22.0	243.67	246.65	248.54	251.69	255.22	259.41	264.37	
G 23.0	241.90	244.82	246.77	250.20	253.52	258.22	262.94	
G 24.0	239.98	242.91	245.04	248.40	251.73	256.92	261.60	
G 25.0	238.05	241.12	243.32	246.56	250.32	255.02	260.09	
G 26.0	236.13	239.37	241.42	244.82	248.68	253.39	258.67	
G 27.0	234.37	237.41	239.42	243.31	246.81	251.46	257.07	
G 28.0	232.16	235.45	237.84	241.48	245.23	249.78	255.38	
G 29.0	230.11	233.62	235.96	239.76	242.93	247.95	253.57	
G 30.0	226.28	231.66	234.25	237.60	241.09	246.17	251.85	
G 31.0	213.57	229.38	232.30	235.78	239.35	244.18	250.24	
G 32.0	195.95	227.18	230.51	233.85	237.74	242.31	248.12	
G 33.0	178.18	224.11	228.28	232.02	235.88	240.49	246.51	
G 34.0	159.38	212.90	226.28	230.21	233.87	238.73	244.69	
G 35.0	146.36	197.21	223.83	227.91	231.88	236.97	242.88	
G 36.0	129.20	182.12	221.49	225.57	229.86	235.02	241.04	
G 37.0	107.76	164.00	218.60	223.48	227.87	233.26	239.41	
G 38.0	90.80	148.75	214.83	221.38	225.94	231.46	237.54	
G 39.0	70.50	136.76	204.75	218.78	223.92	229.23	235.69	
G 40.0	51.63	118.69	189.59	215.97	221.75	227.38	233.29	
G 41.0	44.94	99.73	174.05	213.31	219.16	225.21	231.35	
G 42.0	43.60	81.39	158.22	210.07	216.62	222.93	229.57	
G 43.0	43.37	64.18	143.45	206.59	214.26	220.96	228.21	
G 44.0	43.31	51.39	131.87	199.47	211.17	218.81	226.84	
G 45.0	43.28	46.91	116.28	187.61	208.30	217.34	226.33	
G 46.0	43.33	46.06	99.71	176.09	205.11	215.57	226.08	
G 47.0	43.47	45.99	82.60	159.97	202.11	214.06	226.47	
G 48.0	43.64	46.07	67.07	145.63	199.10	212.77	227.57	
G 49.0	43.97	46.23	55.33	132.99	195.99	211.58	229.23	
G 50.0	44.29	46.50	49.91	121.35	192.95	210.15	231.24	
G 51.0	44.82	46.85	48.66	108.21	188.70	208.79	233.62	
G 52.0	45.50	47.41	48.79	92.53	181.73	207.19	236.63	
G 53.0	46.36	48.20	49.20	75.99	167.24	201.26	237.21	
G 54.0	47.38	49.14	49.75	64.60	149.30	191.51	232.23	
G 55.0	48.65	50.33	50.39	56.52	125.53	169.96	217.80	
G 56.0	50.31	51.96	51.30	53.86	107.07	153.46	205.73	
G 57.0	52.35	53.56	52.29	53.67	94.88	141.64	198.28	
G 58.0	54.72	56.11	53.44	53.79	85.21	137.63	199.94	
G 59.0	57.36	58.75	54.85	53.85	79.08	133.83	201.71	
G 60.0	60.34	61.18	56.29	53.89	71.09	129.16	201.94	
G 61.0	63.38	64.18	57.86	53.79	63.92	123.63	200.53	
G 62.0	65.85	67.13	59.29	53.51	57.92	115.78	197.35	
G 63.0	67.79	69.95	60.56	52.86	53.99	107.61	192.70	
G 64.0	69.20	71.58	61.23	51.95	51.54	97.70	187.29	
G 65.0	69.81	71.96	61.31	50.81	49.45	88.35	180.42	
G 66.0	69.59	71.21	60.65	49.55	47.35	80.04	173.76	
G 67.0	68.02	69.61	59.32	48.06	45.45	72.79	165.01	
G 68.0	65.30	66.35	57.40	46.32	43.40	64.13	156.96	
G 69.0	61.36	61.88	54.24	43.86	41.40	55.65	146.73	
G 70.0	55.57	56.11	50.06	41.21	39.02	47.49	119.62	
G 71.0	48.98	49.54	45.53	38.13	36.48	43.01	103.58	
G 72.0	41.70	43.29	40.51	35.28	33.77	39.08	90.80	

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm							Tabella 7/18						
	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00	
G 73.0	148.67	280.21	386.66	425.32	427.17	374.54	256.86	110.14	50.45	37.90	35.62	32.74	31.70	
G 74.0	109.51	226.97	331.55	374.35	376.97	302.76	196.19	75.75	41.02	33.21	31.46	28.80	28.36	
G 75.0	75.99	165.89	259.88	294.06	315.16	259.02	152.34	55.07	35.26	28.87	28.11	25.74	24.69	
G 76.0	53.25	114.19	181.58	210.31	241.84	198.62	105.09	41.34	30.04	25.84	24.78	22.62	21.48	
G 77.0	41.93	77.16	122.92	143.09	166.59	134.73	68.80	31.94	26.08	22.99	21.91	19.94	18.75	
G 78.0	32.89	52.06	76.44	92.67	101.14	84.28	45.17	25.63	22.21	20.04	19.03	17.46	16.36	
G 79.0	27.46	38.87	53.29	61.97	67.68	51.48	32.32	21.20	18.58	17.46	16.79	15.09	14.42	
G 80.0	22.28	31.49	39.06	42.72	43.13	33.13	23.80	17.14	16.02	14.84	14.46	13.12	12.46	
G 81.0	17.13	25.39	30.83	31.22	30.44	23.73	17.89	14.00	13.40	12.57	12.25	11.12	10.65	
G 82.0	12.62	20.78	25.23	24.85	22.85	16.46	13.86	11.71	11.38	10.44	10.45	9.36	8.97	
G 83.0	8.85	15.71	19.98	19.30	16.71	12.22	10.58	9.47	9.13	8.46	8.41	7.65	7.30	
G 84.0	5.58	11.25	14.52	14.60	12.17	8.94	8.21	7.36	7.04	6.66	6.59	5.87	5.55	
G 85.0	2.94	7.41	10.28	9.70	8.32	6.24	6.01	5.27	5.38	4.83	4.92	4.31	4.21	
G 86.0	1.64	3.59	5.32	4.67	4.68	3.59	3.66	3.19	3.45	3.34	3.49	3.04	3.00	
G 87.0	0.29	2.05	2.91	2.59	2.41	1.98	1.88	1.56	1.87	1.77	2.01	1.66	1.97	
G 88.0	0.13	0.39	0.55	0.44	0.80	0.60	0.76	0.61	0.70	0.54	0.63	0.52	0.60	
G 89.0	0.03	0.14	0.19	0.14	0.17	0.13	0.13	0.12	0.12	0.12	0.12	0.10	0.10	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 8/18						
	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 73.0	28.81	27.25	24.36	22.70	20.37	20.20	20.37	22.70	24.36	27.25	28.81	31.70	32.74
G 74.0	24.72	23.29	21.06	19.73	17.56	17.62	17.56	19.73	21.06	23.29	24.72	28.36	28.80
G 75.0	21.90	20.32	18.22	17.33	15.51	15.40	15.51	17.33	18.22	20.32	21.90	24.69	25.74
G 76.0	18.97	17.82	15.97	15.24	13.68	13.66	13.68	15.24	15.97	17.82	18.97	21.48	22.62
G 77.0	16.86	15.71	14.28	13.46	12.14	12.16	12.14	13.46	14.28	15.71	16.86	18.75	19.94
G 78.0	14.78	13.63	12.59	11.90	10.69	10.61	10.69	11.90	12.59	13.63	14.78	16.36	17.46
G 79.0	12.91	12.06	11.05	10.36	9.36	9.25	9.36	10.36	11.05	12.06	12.91	14.42	15.09
G 80.0	11.08	10.46	9.52	9.08	8.25	8.26	8.25	9.08	9.52	10.46	11.08	12.46	13.12
G 81.0	9.59	8.90	8.19	7.90	6.93	6.93	6.93	7.90	8.19	8.90	9.59	10.65	11.12
G 82.0	7.84	7.49	6.72	6.46	5.67	5.74	5.67	6.46	6.72	7.49	7.84	8.97	9.36
G 83.0	6.41	5.91	5.46	5.30	4.70	4.62	4.70	5.30	5.46	5.91	6.41	7.30	7.65
G 84.0	4.87	4.74	4.36	4.17	3.78	3.82	3.78	4.17	4.36	4.74	4.87	5.55	5.87
G 85.0	3.72	3.61	3.40	3.26	2.91	2.98	2.91	3.26	3.40	3.61	3.72	4.21	4.31
G 86.0	2.75	2.70	2.44	2.49	2.24	2.27	2.24	2.49	2.44	2.70	2.75	3.00	3.04
G 87.0	1.65	1.74	1.54	1.56	1.36	1.50	1.36	1.56	1.54	1.74	1.65	1.97	1.66
G 88.0	0.50	0.60	0.52	0.58	0.47	0.47	0.47	0.58	0.52	0.60	0.50	0.60	0.52
G 89.0	0.09	0.10	0.07	0.08	0.07	0.08	0.07	0.08	0.07	0.10	0.09	0.10	0.10
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 9/18						
	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G 73.0	35.62	37.90	50.45	110.14	256.86	374.54	427.17	425.32	386.66	280.21	148.67	71.14	34.67
G 74.0	31.46	33.21	41.02	75.75	196.19	302.76	376.97	374.35	331.55	226.97	109.51	57.07	31.00
G 75.0	28.11	28.87	35.26	55.07	152.34	259.02	315.16	294.06	259.88	165.89	75.99	44.75	27.74
G 76.0	24.78	25.84	30.04	41.34	105.09	198.62	241.84	210.31	181.58	114.19	53.25	37.04	24.73
G 77.0	21.91	22.99	26.08	31.94	68.80	134.73	166.59	143.09	122.92	77.16	41.93	30.21	21.38
G 78.0	19.03	20.04	22.21	25.63	45.17	84.28	101.14	92.67	76.44	52.06	32.89	25.27	17.93
G 79.0	16.79	17.46	18.58	21.20	32.32	51.48	67.68	61.97	53.29	38.87	27.46	20.78	14.30
G 80.0	14.46	14.84	16.02	17.14	23.80	33.13	43.13	42.72	39.06	31.49	22.28	16.39	11.21
G 81.0	12.25	12.57	13.40	14.00	17.89	23.73	30.44	31.22	30.83	25.39	17.13	12.86	8.18
G 82.0	10.45	10.44	11.38	11.71	13.86	16.46	22.85	24.85	25.23	20.78	12.62	9.17	5.85
G 83.0	8.41	8.46	9.13	9.47	10.58	12.22	16.71	19.30	19.98	15.71	8.85	6.09	3.79
G 84.0	6.59	6.66	7.04	7.36	8.21	8.94	12.17	14.60	14.52	11.25	5.58	3.70	2.16
G 85.0	4.92	4.83	5.38	5.27	6.01	6.24	8.32	9.70	10.28	7.41	2.94	2.06	1.11
G 86.0	3.49	3.34	3.45	3.19	3.66	3.59	4.68	4.67	5.32	3.59	1.64	1.04	0.51
G 87.0	2.01	1.77	1.87	1.56	1.88	1.98	2.41	2.59	2.91	2.05	0.29	0.29	0.16
G 88.0	0.63	0.54	0.70	0.61	0.76	0.60	0.80	0.44	0.55	0.39	0.13	0.12	0.08
G 89.0	0.12	0.12	0.12	0.12	0.13	0.13	0.17	0.14	0.19	0.14	0.03	0.03	0.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 10/18						
	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 73.0	31.24	32.29	35.81	36.27	34.58	26.83	19.51	12.13	8.53	6.68	6.02	5.44	5.20
G 74.0	28.58	29.22	31.53	30.69	27.38	20.91	16.98	9.66	7.07	5.53	5.08	4.71	4.52
G 75.0	25.80	26.07	27.58	25.26	22.41	16.05	14.69	7.52	5.63	4.63	4.45	4.09	4.00
G 76.0	22.88	22.19	23.28	20.47	17.22	12.12	12.76	5.83	4.68	3.90	3.77	3.47	3.44
G 77.0	19.33	18.35	18.59	15.77	13.01	8.93	11.26	4.49	3.71	3.20	3.22	2.95	2.95
G 78.0	15.58	14.32	14.55	12.18	9.40	6.41	9.81	3.42	2.88	2.62	2.63	2.43	2.42
G 79.0	12.39	11.17	10.92	8.37	6.52	4.57	8.59	2.53	2.25	2.07	2.08	1.96	1.92
G 80.0	9.62	8.28	8.01	6.05	4.55	2.88	7.65	1.81	1.71	1.47	1.52	1.22	1.24
G 81.0	7.03	5.86	5.38	4.06	3.00	1.76	6.76	1.22	1.13	0.79	0.65	0.31	0.28
G 82.0	4.98	3.80	3.30	2.22	1.64	1.08	5.98	0.59	0.36	0.12	0.09	0.05	0.05
G 83.0	3.09	2.29	1.87	1.03	0.81	0.52	5.13	0.09	0.06	0.05	0.04	0.03	0.03
G 84.0	1.61	0.99	0.77	0.42	0.27	0.10	4.54	0.05	0.05	0.04	0.04	0.02	0.02
G 85.0	0.80	0.45	0.29	0.12	0.07	0.06	4.04	0.04	0.04	0.03	0.02	0.02	0.02
G 86.0	0.35	0.16	0.11	0.07	0.05	0.04	3.54	0.03	0.02	0.02	0.02	0.02	0.02
G 87.0	0.13	0.08	0.06	0.04	0.03	0.02	3.04	0.02	0.02	0.02	0.02	0.02	0.02
G 88.0	0.07	0.04	0.03	0.03	0.02	0.02	2.54	0.02	0.02	0.02	0.02	0.02	0.02
G 89.0	0.04	0.04	0.03	0.03	0.02	0.02	2.05	0.02	0.02	0.02	0.02	0.02	0.02
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 11/18						
	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G 73.0	4.82	4.55	4.34	4.55	4.82	5.20	5.44	6.02	6.68	8.53	12.13	19.51	26.83
G 74.0	4.23	4.08	3.89	4.08	4.23	4.52	4.71	5.08	5.53	7.07	9.66	16.98	20.91
G 75.0	3.71	3.61	3.44	3.61	3.71	4.00	4.09	4.45	4.63	5.63	7.52	14.69	16.05
G 76.0	3.25	3.19	2.99	3.19	3.25	3.44	3.47	3.77	3.90	4.68	5.83	12.76	12.12
G 77.0	2.73	2.72	2.59	2.72	2.73	2.95	2.95	3.22	3.20	3.71	4.49	11.26	8.93
G 78.0	2.29	2.28	2.12	2.28	2.29	2.42	2.43	2.63	2.62	2.88	3.42	9.81	6.41
G 79.0	1.77	1.79	1.65	1.79	1.77	1.92	1.96	2.08	2.07	2.25	2.53	8.59	4.57
G 80.0	0.92	0.96	0.84	0.96	0.92	1.24	1.22	1.52	1.47	1.71	1.81	7.65	2.88
G 81.0	0.12	0.13	0.10	0.13	0.12	0.28	0.31	0.65	0.79	1.13	1.22	6.76	1.76
G 82.0	0.03	0.03	0.03	0.03	0.03	0.05	0.05	0.09	0.12	0.36	0.59	5.98	1.08
G 83.0	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.04	0.05	0.06	0.09	5.13	0.52
G 84.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.04	0.04	0.05	0.05	4.54	0.10
G 85.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.04	4.04	0.06
G 86.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	3.54	0.04
G 87.0	0.02	0.02	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	3.04	0.02
G 88.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.54	0.02
G 89.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	2.05	0.02
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm				Tabella 12/18			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	
G 73.0	34.58	36.27	35.81	32.29	31.24	34.67	71.14	
G 74.0	27.38	30.69	31.53	29.22	28.58	31.00	57.07	
G 75.0	22.41	25.26	27.58	26.07	25.80	27.74	44.75	
G 76.0	17.22	20.47	23.28	22.19	22.88	24.73	37.04	
G 77.0	13.01	15.77	18.59	18.35	19.33	21.38	30.21	
G 78.0	9.40	12.18	14.55	14.32	15.58	17.93	25.27	
G 79.0	6.52	8.37	10.92	11.17	12.39	14.30	20.78	
G 80.0	4.55	6.05	8.01	8.28	9.62	11.21	16.39	
G 81.0	3.00	4.06	5.38	5.86	7.03	8.18	12.86	
G 82.0	1.64	2.22	3.30	3.80	4.98	5.85	9.17	
G 83.0	0.81	1.03	1.87	2.29	3.09	3.79	6.09	
G 84.0	0.27	0.42	0.77	0.99	1.61	2.16	3.70	
G 85.0	0.07	0.12	0.29	0.45	0.80	1.11	2.06	
G 86.0	0.05	0.07	0.11	0.16	0.35	0.51	1.04	
G 87.0	0.03	0.04	0.06	0.08	0.13	0.16	0.29	
G 88.0	0.02	0.03	0.03	0.04	0.07	0.08	0.12	
G 89.0	0.02	0.03	0.03	0.04	0.04	0.03	0.03	
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 91.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 92.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 93.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 94.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 95.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 96.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 97.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 98.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G 99.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G100.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G101.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G102.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G103.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G104.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G105.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G106.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G107.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G108.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G109.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G110.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G111.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G112.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G113.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G114.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G115.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G116.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G117.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G118.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G119.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G120.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G121.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G122.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G123.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G124.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G125.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G126.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G127.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G128.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G129.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G130.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G131.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G132.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G133.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G134.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G135.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G136.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G137.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G138.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G139.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G140.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G141.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G142.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G143.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G144.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G145.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminosa - cd/klm						Tabella 13/18						
	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminosa - cd/klm							Tabella 14/18					
	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 15/18						
	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminosa - cd/klm						Tabella 16/18						
	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-2M	Codice ITALO 1 0F3 STW 4.5-2M	Codice L-IT1-0F3-4000-525-2M
Nome ITALO 1 0F3 STW 4.5-2M	Nome ITALO 1 0F3 STW 4.5-2M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

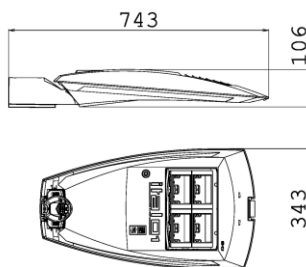
Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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	Tabella Intensità Luminosa - cd/klm						Tabella 17/18						
	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

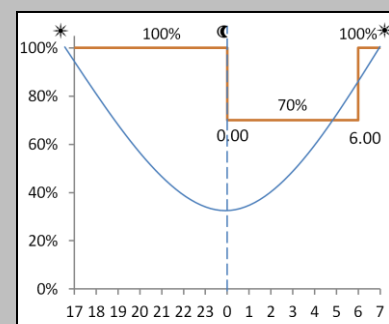
Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-2M	Codice	ITALO 1 0F3 STW 4.5-2M	Codice	L-IT1-0F3-4000-525-2M
Nome	ITALO 1 0F3 STW 4.5-2M	Nome	ITALO 1 0F3 STW 4.5-2M	Numero	1
Archivio	Eulumat	Data	01-04-2014	Posizione	

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	4440.00 lm
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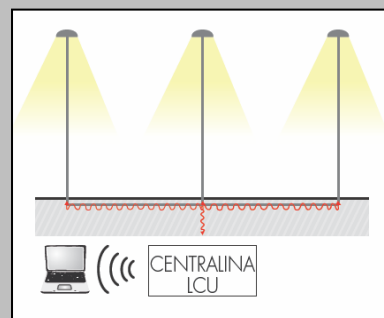
	Tabella Intensità Luminosa - cd/klm				Tabella 18/18			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	
G146.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G147.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G148.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G149.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G150.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G151.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G152.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G153.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G154.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G155.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G156.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G157.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G158.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G159.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G160.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G161.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G162.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G163.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G164.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G165.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G166.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G167.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G168.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G169.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G170.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G171.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G172.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G173.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G174.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G175.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G176.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G177.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G178.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G179.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
G180.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	



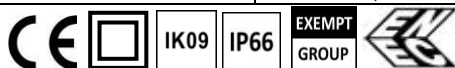
Profilo DA



PLM



ITALO 1	
CARATTERISTICHE PRINCIPALI	
Applicazioni	Illuminazione stradale
Gruppo ottico	STE-M/S: Ottica asimmetrica per illuminazione stradale extraurbana(0F3) STU-M/S: Ottica asimmetrica per illuminazione stradale urbana e ciclopedonale. (0F2H1) STW: Ottica asimmetrica per illuminazione di strade larghe e asfalti bagnati. (0F3) SV : Ottica asimmetrica per illuminazione di svincoli autostradali o strade urbane molto strette. (0F2H1) Temperatura di colore: 4000K (3000K in opzione) CRI ≥ 70 Classe di sicurezza fotobiologica: EXEMPT GROUP Classificazione fotometrica CIE: Semi cut-off. Classificazione fotometrica IES: Full cut-off. Efficienza sorgente LED :138 lm/W @ 700mA, Tj=85°C, 4000K
Classe di isolamento	II (I in opzione)
Grado di protezione	IP66
Grado di resistenza	IK09
Moduli LED	Gruppo ottico rimovibile in campo
Inclinazione	Testa palo: 0°, +5°, +10°, +15°, +20° Braccio: 0°, -5°, -10°, -15°, -20°
Dimensioni	Vedere disegno.
Peso	max 6.8 kg
Superficie esposta	Laterale: 0.05m ² – Pianta: 0.18m ² SCx:0.04m ²
Montaggio	Braccio o testa palo Ø60mm Ø33mm ÷ Ø60mm (in opzione) Ø60mm ÷ Ø76mm (in opzione)
Cablaggio	Piastra cablaggio rimovibile in campo.
Temp. di esercizio	-40°C / +50°C
Temp. di stoccaggio	-4°C / +80°C
Norme di riferimento	EN 60598-1, EN 60598-2-3, EN 62471, EN 55015, EN 61547, EN 61000-3-2, EN 61000-3-3

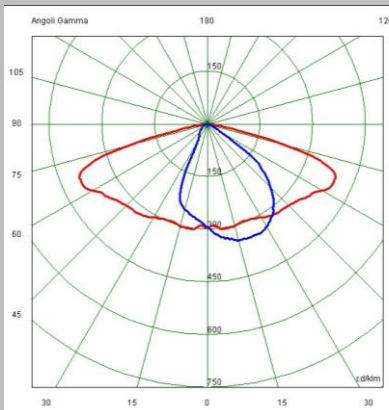


CARATTERISTICHE ELETTRICHE

Alimentazione	220÷240V 50/60Hz	
Corrente LED	525mA (Ta max 50°C) 700mA (Ta max 50°C)	
Fattore di potenza	>0,9 (a pieno carico)	
Sezionatore	Incluso, con ferma cavo integrato	
Connessione rete	Per cavi sezione max. 4mm ²	
Sistema di controllo (optional)	F: Fisso non dimmerabile. DA: Dimmerazione automatica con profilo preimpostato. DAC: Profilo DA custom. PLM: Scheda di comunicazione punto/punto ad onde convogliate	
Vita gruppo ottico	525mA (Ta=25°C)	700mA (Ta=25°C)
	>70.000hr B20L80 (inclusi guasti critici) >100.000hr L80, TM-21	>60.000hr B20L80 (inclusi guasti critici) >100.000hr L80, TM-21

MATERIALI

Attacco	Alluminio pressofuso UNI EN1706. Verniciato a polveri.
Dissipatore	Alluminio pressofuso UNI EN1706. Struttura ad alette.
Telaio	Alluminio pressofuso UNI EN1706. Verniciato a polveri.
Copertura	Alluminio pressofuso UNI EN1706. Verniciato a polveri.
Gancio di chiusura	Alluminio estruso con molla in acciaio inox.
Gruppo ottico	Alluminio 99.85% con finitura superficiale realizzata con deposizione sotto vuoto 99.95%.
Schermo	Vetro piano temperato sp. 4mm elevata trasparenza.
Pressacavo	Plastico M20x1.5 - IP68
Guarnizione	Poliuretanicca
Colore	Grafite Cod. 01



Ottica STU-M

Tutti i dati fotometrici pubblicati sono stati rilevati in conformità alle norme UNI EN 13032-1 e IES LM 79-08

*I dati di vita dichiarati potrebbero variare in funzione della taglia scelta.
Al fine di favorire un costante aggiornamento dei propri prodotti, AEC si riserva il diritto di apportare modifiche senza preavviso.*

Nelle tabelle sotto riportate sono indicati i dati di potenza e flusso luminoso delle versioni disponibili. Tali parametri sono fondamentali per una corretta comparazione delle performance degli apparecchi. In particolare l'efficienza dell'apparecchio (espressa in lm/W) deve essere calcolata come il rapporto tra il flusso luminoso dell'apparecchio in uscita e la potenza assorbita dall'alimentatore in ingresso. Per completezza si riportano anche i dati nominali del flusso e della potenza dei LED utilizzati.

I dati riportati in questa scheda tecnica rispondono ai requisiti della scheda AIDI disponibile su richiesta per ogni tipologia di apparecchio.

FLUSSO APPARECCHIO ¹ (Ta=25°C, 4000K, lm)		
MODULI	525mA	700mA
	Ottica STE-M / STE-S / STW	
1	2040	2720
2	4440	5570
3	6590	8240
4	8770	10940
MODULI	Ottica STU-M / STU-S / SV	
1	1540	2030
2	3210	4060
3	4870	6130
4	6450	8140

FLUSSO NOMINALE LED ² (Tj=85°C, 4000K, lm)		
MODULI	525mA	700mA
	Ottica STE-M / STE-S / STW	
1	2556	3234
2	5112	6468
3	7668	9702
4	10224	12936
MODULI	Ottica STU-M / STU-S / SV	
1	1905	2411
2	3810	4822
3	5715	7233
4	7620	9644

POTENZA APPARECCHIO ¹ (Ta=25°C, Vin=230Vac, W) Versione F e DA a pieno carico		
MODULI	525mA	700mA
	Ottica STE-M / STE-S / STW	
1	20	27,5
2	41,5	54,5
3	61	80
4	78	103
MODULI	Ottica STU-M / STU-S / SV	
1	15,5	21
2	32,5	42,5
3	47	61
4	60	80

POTENZA NOMINALE LED ² (Tj=85°C, W)		
MODULI	525mA	700mA
	Ottica STE-M / STE-S / STW	
1	17	24
2	35	47
3	52	71
4	70	94
MODULI	Ottica STU-M / STU-S / SV	
1	13	18
2	26	35
3	39	53
4	52	71

EFFICIENZA APPARECCHIO (Ta=25°C, lm/W)		
MODULI	525mA	700mA
	Ottica STE-M / STE-S / STW	
1	102	99
2	107	102
3	108	103
4	112	106
MODULI	Ottica STU-M / STU-S / SV	
1	99	97
2	99	96
3	104	100
4	108	102

PROTEZIONE SOVRATENSIONI Modo diff. / Modo comune	
Classe II	Classe I
10/7 kV	10/10 kV
10/7 kV	10/10 kV
10/7 kV	10/10 kV
10/6 kV	10/10 kV

Nota: Le caratteristiche del prodotto elencate sono soggette a variazioni e dovranno essere confermate in fase di ordine. I valori indicati in questa scheda tecnica sono da considerarsi valori nominali con una tolleranza del +/-5%.

Al fine di favorire un costante aggiornamento dei propri prodotti, AEC si riserva il diritto di apportare modifiche senza preavviso.

1: Dati nominali rilevati in laboratorio.

2: Dati nominali estrapolati da datasheet costruttore LED.

Moltiplicatore per ricavare il **flusso luminoso** in funzione di Ta e Tk.

Ta(°C)	Moltiplicatore
50	0,94
40	0,96
25	1,00
15	1,02
5	1,04
0	1,05
Tk(K)	Moltiplicatore
3000	0,90
4000	1,00
5700	1,02

Moltiplicatore per ricavare la **potenza** in funzione di Ta.

Ta (°C)	Moltiplicatore
50	0,99
25	1,00
0	1,01

Legenda:

Ta = Temperatura ambiente.

Tk = Temperatura di colore.

Esempio calcolo dati apparecchio

Ta=40°C

Tk=4000K

4 MODULI LED, 525mA, Ottica STE-M

Flusso: 8770 x 0,96 = 8419,2 lm

Potenza: 78 x 0,99 = 77,2 W

Efficienza: 8419,2 / 77,2 = 109 lm/W

PIAZZALE HOTEL

Impianto : CHIOGGIA

Numero progetto : 486b - 14

Cliente : PR STUDIO

Autore :

Data : 07.11.2014

I seguenti valori si basano su calcoli esatti di lampade e punti luce tarati e sulla loro disposizione. Nella realtà potranno verificarsi differenze graduali. Resta escluso qualunque diritto di garanzia per i dati dei punti luce. Il produttore non si assume alcuna responsabilità per danni anche parziali derivanti all'utente o a terzi.

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Oggetto : PIAZZALE HOTEL
 Impianto : CHIOGGIA
 Numero progetto : 486b - 14
 Data : 07.11.2014




1 Impianto esterno 1

1.1 Descrizione, Impianto esterno 1

1.1.1 Dati punti luce/Elementi dell' interno

Dati prodotti:

Tipo Num. Marca

2 4 Codice :
 Nome punto luce : ITALO 1 STW 4.5-3M+BR. 1m+PC3108
 con : 1 x ITALO 1 0F3 STW 4.5-3M
 Sorgenti : 1 x LED / 6590 lm

		Posizione			Rotazione		
		x[m]	y[m]	z[m]	za	xa	ya
ITALO 1 STW 4.5-3M+BR. 1m+PC3108							
1		60.50	4.57	0.00	352.4°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-3M	60.69	5.96	0.00	352.4°	0.0°	0.0°
2		54.37	31.45	0.00	260.1°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-3M	55.75	31.21	0.00	260.1°	0.0°	0.0°
3		80.81	35.95	0.00	175.3°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-3M	80.70	34.55	0.00	175.3°	0.0°	0.0°
4		89.69	9.39	0.00	90.2°	0.0°	0.0°
---		Coordinate destinazione			Angolo di rotazione		
1	ITALO 1 0F3 STW 4.5-3M	88.29	9.39	0.00	90.2°	0.0°	0.0°

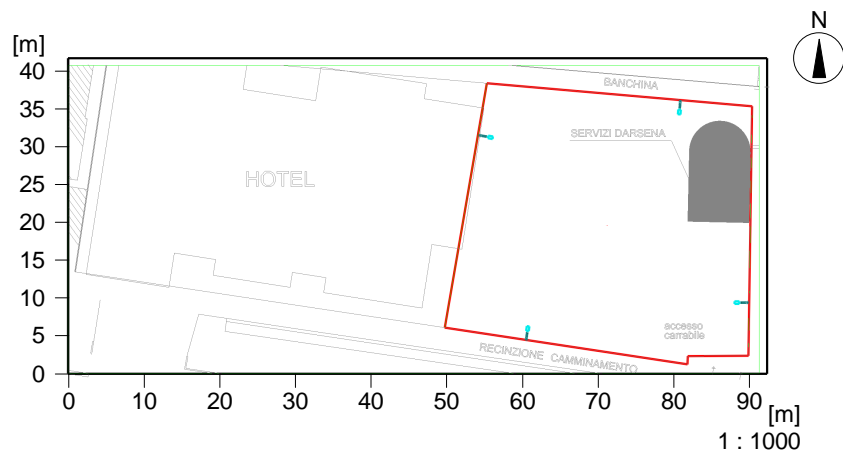
Elementi di creazione

Superficie di misurazione virtuale

Nr.	xm[m]	ym[m]	zm[m]	Lungh.	Largh.	Angolo di rotazione		
						Asse Z	Asse L	Asse Q
M 1	55.29	38.35	0.00	43.10	38.02	355.03	0.00	0.00

1.1 Descrizione, Impianto esterno 1

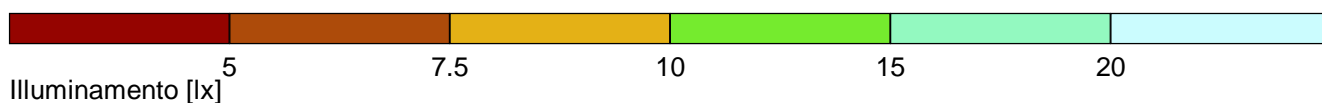
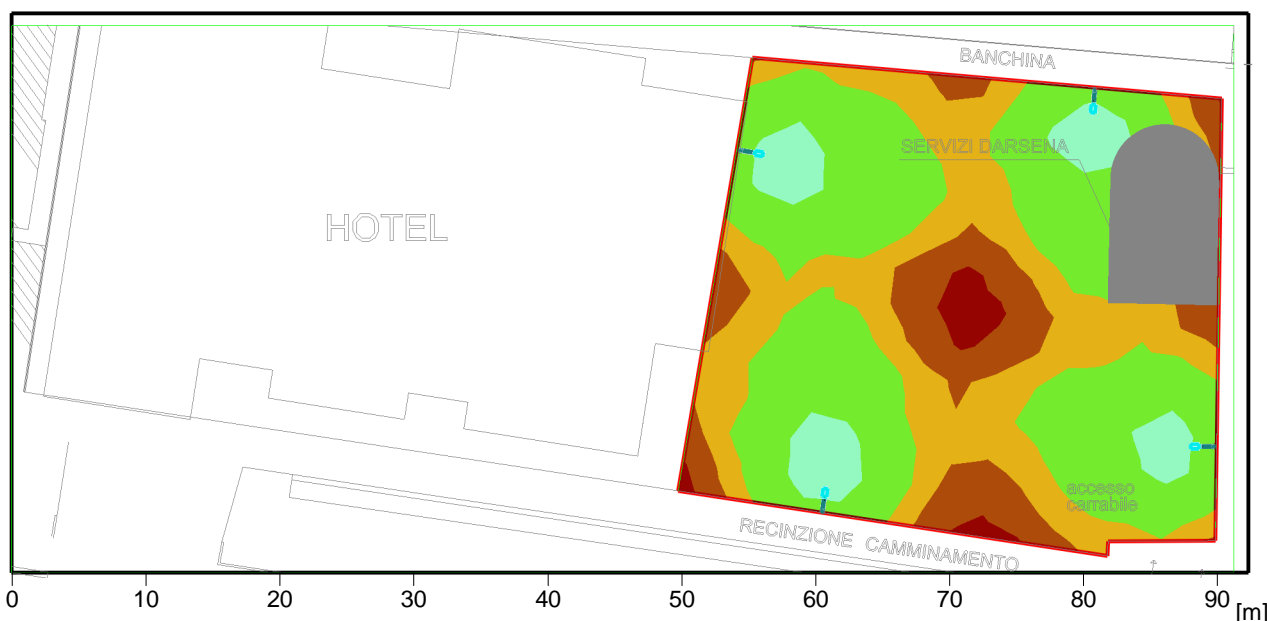
1.1.2 Pianta



1 Impianto esterno 1

1.2 Riepilogo, Impianto esterno 1

1.2.1 Panoramica risultato, Superficie di misurazione 1



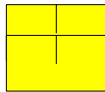
Generale

Algoritmo di calcolo utilizzato:	Percentuale indiretta media
Altezza area di valutazione	0.00 m
Altezza del punto luce [m]:	10.00 m
Fattore di manut.	0.80
Flusso luminoso totale di tutte le lampade	26360 lm
Potenza totale	244 W
Potenza totale per superficie (3843.51 m ²)	0.06 W/m ²

Illuminamento

Illuminamento medio	Em	10.5 lx
Illuminamento minimo	Emin	4 lx
Illuminamento massimo	Emax	16.7 lx
Uniformità U _o	Emin/Em	1:2.66 (0.38)
Uniformità U _d	Emin/Emax	1:4.2 (0.24)

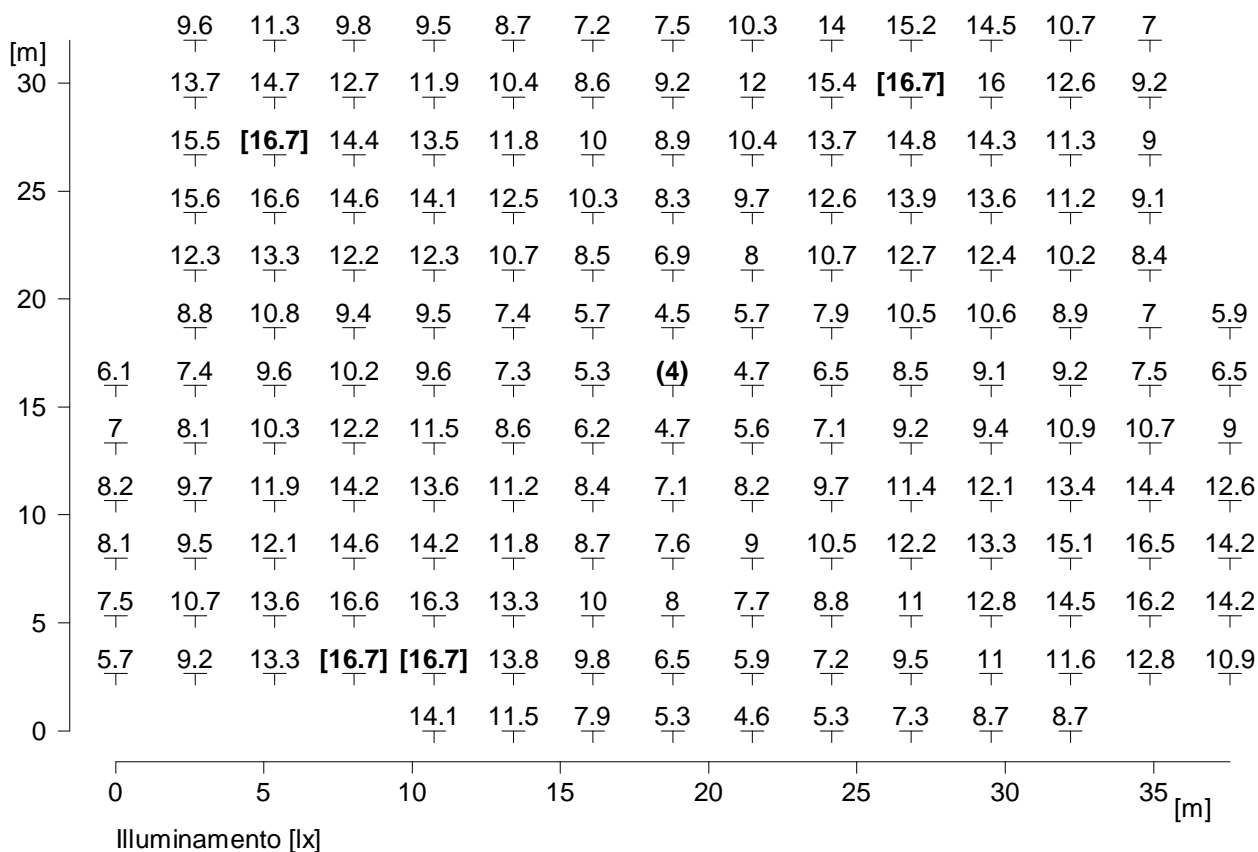
Tipo Num. Marca

2	4	Codice	:	
		Nome punto luce	:	ITALO 1 STW 4.5-3M+BR. 1m+PC3108
		con	:	1 x ITALO 1 0F3 STW 4.5-3M
		Sorgenti	:	1 x LED / 6590 lm

1 Impianto esterno 1

1.3 Risultati calcolo, Impianto esterno 1

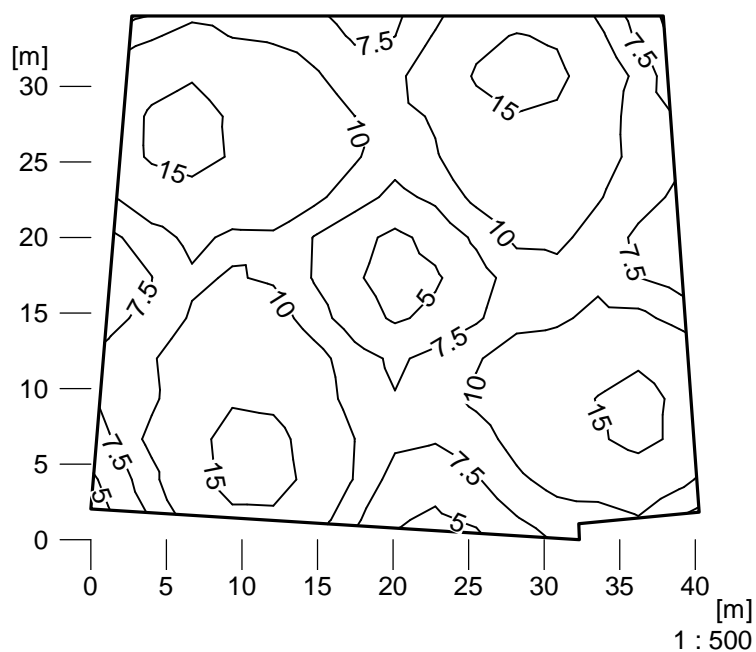
1.3.1 Tabella, Superficie di misurazione 1 (E)



Altezza del piano di riferimento	:	0.00 m
Illuminamento medio	Em	: 10.5 lx
Illuminamento minimo	Emin	: 4 lx
Illuminamento massimo	Emax	: 16.7 lx
Uniformità Uo	Emin/Em	: 1 : 2.66 (0.38)
Uniformità Ud	Emin/Emax	: 1 : 4.20 (0.24)

1.3 Risultati calcolo, Impianto esterno 1

1.3.2 Rappresentazione isolinee, Superficie di misurazione 1 (E)

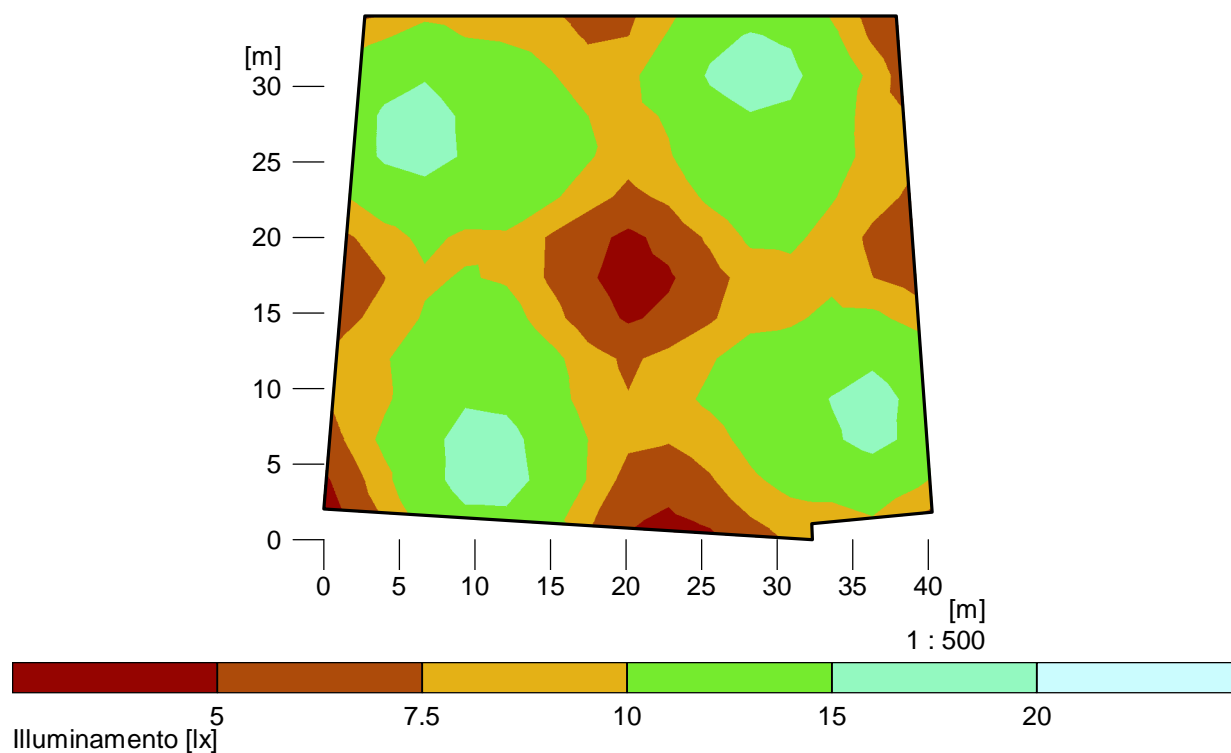


Illuminamento [lx]

Altezza del piano di riferimento	:	0.00 m
Illuminamento medio	Em	: 10.5 lx
Illuminamento minimo	Emin	: 4 lx
Illuminamento massimo	Emax	: 16.7 lx
Uniformità Uo	Emin/Em	: 1 : 2.66 (0.38)
Uniformità Ud	Emin/Emax	: 1 : 4.20 (0.24)

1.3 Risultati calcolo, Impianto esterno 1

1.3.3 Falsi Colori, Superficie di misurazione 1 (E)



Altezza del piano di riferimento	:	0.00 m
Illuminamento medio	Em	: 10.5 lx
Illuminamento minimo	Emin	: 4 lx
Illuminamento massimo	Emax	: 16.7 lx
Uniformità Uo	Emin/Em	: 1 : 2.66 (0.38)
Uniformità Ud	Emin/Emax	: 1 : 4.20 (0.24)



DICHIARAZIONE DI CONFORMITÀ

Il seguente costruttore

Costruttore: **AEC ILLUMINAZIONE S.r.l.**

Indirizzo: Via A. Righi, 4 - Zona industriale Castelnuovo
52010 Subbiano (AR) - Italia

dichiara qui di seguito che il prodotto

ITALO 1 0F3 STW 4.5-3M DA

apparecchio di illuminazione per l'installazione fissa

presenta caratteristiche fotometriche conformi a quanto previsto dalla seguente legge

Regione Veneto - Legge Regionale n° 17 del 7 agosto 2009

Subbiano, 14/04/2014

[PL]

AEC ILLUMINAZIONE S.r.l.

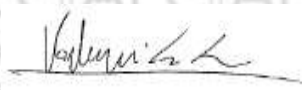

www.aecilluminazione.com

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Cap. Soc. € 1.560.000,00 • Reg. Soc. Trib. Arezzo n. 4478 • C/C Postale 13141528 • CCIAA Arezzo 72908 • M 051476 • P. IVA 00343170510

Rapporto di rilievo Test Report

Costruttore (Manufacturer)	AEC ILLUMINAZIONE SRL Via Righi, 4 Castelnuovo di Subbiano (AR)
Tipo di prodotto (Product type)	Apparecchio di illuminazione per esterni (Outdoor lighting fixture)
Codice fotometria (Photometry code)	ITALO 1 0F3 STW 4.5-3M
Rilievo fotometrico (Photometric measurement)	ITALO 1 0F3 STW 4.5-3M
Descrizione apparecchio (Fitting description)	ITALO 1 0F3 STW 4.5-3M
Data delle prove (Date of test)	01-04-2014



Responsabile laboratorio fotometrico (Photometric Laboratory manager)	Luca Vagheggi	
Tecnico laboratorio che ha eseguito la misura (Laboratory operator)	Alessio Vagheggi	

Documentazione e Allegati (Documentation and Annex)

Rapporto di Rilievo (Test Report)	Descrizione generale (General description)	
	Responsabile laboratorio fotometrico (Photometric Laboratory Manager)	
	Oggetto delle prove (Object of the tests)	
	Dati apparecchio (Luminaire data)	
	Normative di riferimento (Reference standards)	
	Condizioni di prova e strumentazione di misura (Test conditions and measurement instruments)	
	Dati rilievo (Test data)	
	Incertezza strumentale (Instrumental accuracy)	
Allegati (Annex)	Matrice delle Intensità (cd/Klm) (Intensity table)	√
	Diagramma Polare (Polar diagram)	√
	Diagramma Cartesiano (Cartesian diagram)	
	Classificazione Energetica (Energy saving classification)	
	Isolux (Isolux diagram)	
	Isocandela (Isocandle diagram)	
	Classificazione Strade (Street classification)	
	Classificazione Strade IES TM-15 (IES TM-15 street classification)	
	File Fotometrico Eulumdat (Eulumdat photometric file)	
	File Fotometrico IES (IES photometric file)	



OGGETTO DELLE PROVE

(Object of tests)

Costruttore (Manufacturer)	AEC ILLUMINAZIONE SRL
Tipo di prodotto (Product type)	Apparecchio di illuminazione per esterni (Outdoor lighting fixture)
Codice fotometria (Photometry code)	ITALO 1 0F3 STW 4.5-3M
Rilievo fotometrico (Photometric measurement)	ITALO 1 0F3 STW 4.5-3M
Descrizione apparecchio (Fitting description)	ITALO 1 0F3 STW 4.5-3M
Data delle prove (Date of test)	01-04-2014
Numero di esemplari provati (Number of test samples)	1
Numero rilievi (Number of measurements)	1

DATI APPARECCHIO

(Fitting data)

Geometria apparecchio (Fitting shape)	Rettangolare (Rectangular)
Dimensioni apparecchio (Fitting dimensions)	615x343x106 mm
Dimensioni area luminosa (Luminous area dimensions)	120x220 mm
Tipo sorgente (Type of source)	9 LED 4000K CRI70min.
Efficienza nominale sorgente (Rated source efficiency)	140lm/W@525mA Tj=85°C
Flusso e potenza apparecchio (Luminaire luminous flux and input power)	6590lm_61W
Efficienza sistema (System efficiency)	108 lm/W

NORMATIVE DI RIFERIMENTO

(Reference standards)

Normative di riferimento (Reference standards)	UNI EN 13032-1:2012 "Misurazione e presentazione dei dati fotometrici di lampade e apparecchi di illuminazione" Parte1: Misurazione e formato di file. UNI EN 13032-1:2012 "Measurement and presentation of photometric data of lamps and luminaires" Part1: Measurement and file format. UNI 11356:2010 "Caratterizzazione fotometrica degli apparecchi di illuminazione a LED"
Valutazione luce parassita (Light inside evaluation)	In accordo con Annex A UNI EN 13032-1 (According to Annex A UNI EN 13032-1)

CONDIZIONI DI PROVA E STRUMENTAZIONI DI MISURA

(Test conditions and measuring instruments)

Laboratorio fotometrico (Photometric laboratory)	Interno AEC ILLUMINAZIONE srl, in regime di sistema di qualità aziendale certificato ISO 9001:2008, certificato UL (Internal AEC ILLUMINAZIONE srl, under ISO 9001:2008 quality system and UL certified)		
Condizioni ambientali (Environmental conditions)	Temperatura ambiente 25° +/- 1° C (Ambient temperature)		
	Umidità relativa 50 +/- 5% (Relative humidity)		
	Movimento aria nell'area di prova <0.2m/s (Air flow in the test area)		
Condizioni geometriche di misura (Geometrical test conditions)	In conformità alla UNI EN 13032-1:2012, alla UNI 11356:2010 e alle specifiche tecniche dello strumento di misura ed alle specifiche tecniche dell'apparecchio in prova. (According to UNI EN 13032-1:2012, UNI 11356:2010 and technical specification of measuring instrument and technical specification of fixture under test.)		
Goniofotometro (Goniophotometer)	A rotazione dell'apparecchio secondo EN 13032 e raccomandazione CIE 121 Rotational according to EN 13032 and CIE 121 recommendation		
	<input type="checkbox"/> LAB 1	PRC KROCHMAN 702	
	<input checked="" type="checkbox"/> LAB 2	Oxytech T2	
	Distanza di misura (Measuring distance)	<input checked="" type="checkbox"/> 9.03m	<input type="checkbox"/> 14m
Wattmetro (Power meter)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B) <input checked="" type="checkbox"/> Wattmetro Kinetiq N4L PPA2510 (Kinetiq N4L PPA2510 Power Analyzer)		
Luxmetro (Luxmeter)	<input checked="" type="checkbox"/> C&G		
Alimentazione campione in prova (Power supply of tested sample)	<input type="checkbox"/> Stabilizzatore/Analizzatore AGILENT 6812B (AC source stabilizer/analyzer AGILENT 6812B) <input checked="" type="checkbox"/> Stabilizzatore ELETTRATEST TPS/M 6000 (Stabilizer ELETTRATEST TPS/M)		
	Tensione di alimentazione 230V +/- 0.2% (AC power supply voltage)		
	Frequenza di alimentazione 50Hz +/- 0.1% (AC power supply frequency)		
	Distorsione armonica <0.5% (Harmonic distortion)		

I risultati delle verifiche e prove qui riportati, si riferiscono esclusivamente agli esemplari esaminati e descritti nella presente Relazione. L'estensione del riferimento ad esemplari che non siano quelli sottoposti alle verifiche descritte in seguito esula dallo scopo delle verifiche stesse. E' vietata la riproduzione integrale o parziale senza l'autorizzazione scritta di Aec illuminazione srl. L'immagine dell'apparecchio nella prima pagina è puramente indicativa della tipologia di apparecchio sottoposto a test.

(Result of tests and verification here reported are solely refer to the samples under test and described in this report. Scope of tests described in this report cannot be extended to other samples different to those referred. Partial or integral reproduction or copy of this report is forbidden without written authorization by AEC Illuminazione srl.) The image of the luminaire on the first page is merely indicative of the kind of luminaire under test.

DATI RILIEVO

(Measurement data)

Posizione di Misura (Measurement position)	Verticale (Vertical)
Tipo di rilievo (Measurement type)	C-Gamma
Tempo di stabilizzazione (Time of stabilization)	60 minuti (60 minutes)
Stabilizzazione flusso (Flux stabilization)	In accordo alla UNI 11356:2010 e EN 13032-1:2012, stabilità raggiunta con variazioni di flusso <1% According to UNI 11356:2010 and EN 13032-1:2012, less than 1% of luminous flux variation
Stabilizzazione Potenza (Power stabilization)	In accordo alla UNI 11356:2010 e EN 13032-1:2012, stabilità raggiunta con variazioni di flusso <1% According to UNI 11356:2010 and EN 13032-1:2012, less than 1% of input power variation

INCERTEZZA STRUMENTALE

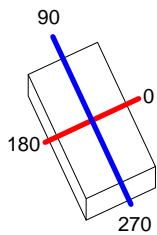
(Instrumental accuracy)

Encoder goniometro Oxytech T2 (Goniophotometer Oxytech T2 encoder)	Precisione angolare in C – gamma (C-gamma angular precision)	$\pm 0.044^\circ$
Luxmetro C&G (C&G luxmeter)	f1'	< 1,23%
Wattmetro Kinetiq N4L PPA2510 (Kinetiq N4L PPA2510 power analyzer)	Accuratezza di potenza (Power accuracy)	< [0.05% + 0.03%/pf + (0.01%/kHz)/pf] R _{dg} + 0.05%VA R _{ng}

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-3M	Codice	ITALO 1 0F3 STW 4.5-3M	Codice	L-IT1-0F3-4000-525-3M
Nome	ITALO 1 0F3 STW 4.5-3M	Nome	ITALO 1 0F3 STW 4.5-3M	Numero	1
Archivio	Eulumdat	Data	01-04-2014	Posizione	
Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	6590.00 lm
Valore Massimo	771.90 cd/klm	Posizione	C=30.00 G=59.00		Asimmetrico
Apparecchio Rettangolare	Lung. 615 mm	Larg. 343 mm	Alt. 106 mm		
Area Luminosa Rettangolare	Lung. 120 mm	Larg. 220 mm	Alt. 0 mm		
Area Luminosa Orizzontale	0.026400 m2	Area Luminosa Piano 180°	0.000000 m2		
Area Luminosa Piano 0°	0.000000 m2	Area Luminosa Piano 270°	0.000000 m2		
Area Luminosa Piano 90°	0.000000 m2	Area Luminosa a 76°	0.006387 m2		
Tipo di Simmetria	Asimmetrico	Massimo Angolo Gamma	180		
Distanza di rilievo	0.00	Flusso di rilievo	6590.00 lm		
Operatore	Alessio Vagheggi	Tensione alimentazione			
Temperatura	25.00 °C	Corrente di alimentazione			
Umidità		Fotocellula			
Note					

Archivio		Lampade Apparecchio			Flusso [lm]	Pot. [W]	Q.tà
Eulumdat	Codice	Nome					
Eulumdat	L-IT1-0F3-4000-525-3M	L-IT1-0F3-4000-525-3M	- 61.00 W		6590.00	61.00	1
C.I.E.	38 76 97 100 100	D DIN 5040	A20				
F UTE	1.00 E	B NBN	BZ 6 / 0.8 / BZ 5				

615mm x 343mm



Semipiani C

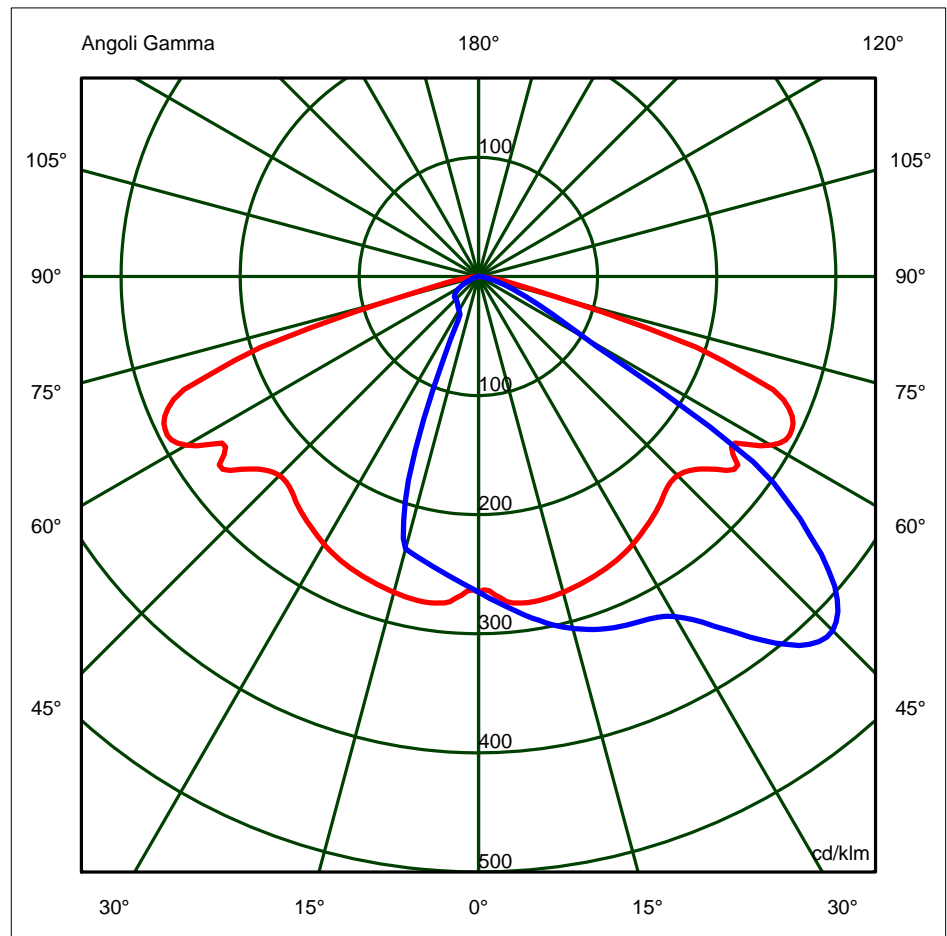
180.0 — 0.0

270.0 — 90.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



Apparecchio		Rilievo		Lampada									
Codice	ITALO 1 0F3 STW 4.5-3M	Codice	ITALO 1 0F3 STW 4.5-3M	Codice	L-IT1-0F3-4000-525-3M								
Nome	ITALO 1 0F3 STW 4.5-3M	Nome	ITALO 1 0F3 STW 4.5-3M	Numero	1								
Archivio	Eulumdat	Data	01-04-2014	Posizione									
Rendimento	100.00%				Sistema	Coordinate	CG	Flusso Totale			6590.00 lm		
		Tabella Intensità Luminose - cd/klm						Tabella 1/18					
	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	263.15	264.55	265.90	264.67	266.08	264.89	266.34	264.78	266.84	265.21	267.50	265.73	267.75
G 2.0	264.05	264.77	266.24	265.51	266.94	266.35	267.74	267.11	267.93	267.33	268.17	267.41	268.25
G 3.0	267.87	264.28	265.22	265.22	266.24	266.08	267.66	267.24	269.63	269.05	271.40	270.66	271.39
G 4.0	270.61	267.03	267.78	268.60	268.93	269.80	270.32	270.82	271.25	271.05	272.16	271.93	274.35
G 5.0	274.03	271.09	271.57	273.17	272.93	274.18	274.34	274.64	275.59	275.75	275.65	275.23	275.88
G 6.0	275.56	274.07	275.01	276.39	277.46	278.35	279.43	280.29	279.59	279.08	280.08	279.43	278.84
G 7.0	276.13	277.12	278.50	280.08	280.63	282.33	282.53	283.08	284.83	284.82	284.09	283.51	283.71
G 8.0	276.73	278.08	280.58	281.80	283.76	284.90	287.28	287.46	288.27	288.28	289.73	288.00	287.29
G 9.0	276.93	278.88	281.81	283.26	285.72	287.35	289.79	290.55	292.63	293.07	292.91	292.90	291.74
G 10.0	276.98	279.68	282.91	284.54	287.62	289.37	291.86	293.34	295.77	296.65	297.54	296.43	297.14
G 11.0	276.71	279.91	283.43	285.62	288.95	291.21	294.25	295.86	298.75	299.78	301.50	301.27	300.62
G 12.0	276.34	279.89	283.87	286.33	290.21	292.62	296.24	298.11	301.58	302.51	305.09	305.32	304.57
G 13.0	275.78	279.72	284.03	286.85	291.24	293.78	297.97	300.00	304.09	305.46	308.61	308.48	309.51
G 14.0	275.06	279.32	284.01	287.14	291.81	294.71	299.32	301.69	306.35	307.99	311.32	312.00	313.31
G 15.0	274.34	279.05	283.84	287.36	292.19	295.53	300.42	303.32	308.39	310.50	314.00	315.25	316.74
G 16.0	273.61	278.53	283.66	287.37	292.57	296.26	301.54	304.56	309.96	312.28	316.54	317.93	319.82
G 17.0	272.81	278.09	283.57	287.51	293.09	296.88	302.54	305.77	311.33	314.14	318.77	319.90	322.49
G 18.0	272.15	277.45	283.45	287.64	293.49	297.52	303.34	306.78	312.97	315.59	320.61	321.80	325.00
G 19.0	271.41	277.09	283.31	287.81	294.06	298.20	304.31	307.88	314.15	316.78	322.05	323.48	327.22
G 20.0	270.58	276.61	283.28	288.16	294.58	299.14	305.34	308.89	315.32	318.06	323.52	325.06	328.98
G 21.0	269.77	276.14	283.28	288.61	295.30	300.05	306.38	309.94	316.16	319.01	324.61	326.26	330.29
G 22.0	268.91	275.73	283.28	289.15	296.08	301.08	307.53	311.05	317.23	319.90	325.50	327.10	331.48
G 23.0	268.18	275.25	283.51	289.73	297.10	302.45	308.76	312.27	318.12	320.62	326.37	327.86	332.43
G 24.0	267.08	275.04	283.66	290.32	298.27	304.02	310.34	313.41	319.09	321.30	326.93	328.26	332.83
G 25.0	266.10	274.33	283.79	291.19	299.48	305.77	311.90	314.64	319.92	321.83	327.40	328.67	333.25
G 26.0	265.05	273.98	283.81	292.29	301.19	307.88	313.74	316.13	320.91	322.42	327.72	329.02	333.67
G 27.0	263.57	273.27	284.07	293.40	303.04	309.90	315.61	317.47	321.73	322.82	327.87	328.92	333.65
G 28.0	262.26	272.61	284.31	294.75	305.03	312.46	317.63	318.87	322.52	323.20	328.01	328.74	333.58
G 29.0	260.93	271.98	284.58	296.21	307.45	315.20	320.09	320.58	323.39	323.50	328.02	328.65	333.41
G 30.0	259.41	271.02	284.77	297.61	310.26	318.34	322.88	322.05	324.05	323.61	327.81	328.44	333.51
G 31.0	257.66	269.95	285.00	299.68	313.45	322.20	325.55	323.98	324.67	323.61	327.79	328.29	333.87
G 32.0	255.97	268.96	285.17	301.75	316.94	325.94	328.70	325.65	325.34	323.69	327.59	328.76	334.82
G 33.0	254.31	267.80	285.28	304.13	320.77	329.60	331.90	327.53	325.74	323.65	327.57	329.64	336.62
G 34.0	252.53	266.77	285.25	306.19	324.73	333.99	335.15	329.22	326.15	323.78	327.96	331.25	339.70
G 35.0	250.99	265.30	285.16	308.55	329.11	337.84	338.88	331.02	326.58	324.18	329.03	333.89	344.06
G 36.0	249.11	264.03	284.85	311.06	333.35	342.04	342.37	332.81	327.23	325.04	330.83	337.84	349.40
G 37.0	247.46	262.53	284.51	313.27	337.67	346.25	346.05	334.31	328.18	326.66	333.60	342.87	355.50
G 38.0	245.38	260.96	284.37	315.66	341.47	350.74	349.78	336.07	329.54	328.85	337.17	348.83	363.04
G 39.0	243.56	259.42	283.60	317.64	345.31	356.00	353.56	338.29	331.43	332.00	342.25	355.83	371.99
G 40.0	241.07	257.33	282.70	319.24	349.26	360.28	357.46	341.12	334.67	336.69	348.83	364.33	381.41
G 41.0	239.02	255.58	281.75	320.21	352.53	365.04	361.47	345.41	338.70	342.76	355.97	373.49	390.86
G 42.0	237.43	253.56	280.21	320.26	354.91	370.06	366.01	350.37	345.06	350.53	364.58	384.49	400.22
G 43.0	236.33	251.90	278.88	319.97	356.63	375.32	371.37	356.81	352.91	360.12	375.13	395.63	409.64
G 44.0	235.79	251.20	278.54	319.91	358.50	380.23	378.14	366.33	362.38	370.85	387.14	407.37	418.55
G 45.0	236.41	251.56	279.14	321.10	361.05	386.36	387.39	377.72	374.45	382.93	402.05	419.38	427.33
G 46.0	237.69	253.00	281.66	323.84	364.91	393.14	398.62	392.07	389.81	398.70	418.27	429.95	433.76
G 47.0	239.59	255.79	285.16	329.74	371.92	403.98	412.42	410.84	406.53	419.47	434.95	440.21	438.15
G 48.0	242.46	259.50	290.62	336.77	380.92	416.87	428.33	432.37	426.55	439.41	449.96	447.84	439.86
G 49.0	246.38	264.86	297.86	345.75	393.92	433.08	446.95	455.48	448.62	462.25	462.49	452.12	438.10
G 50.0	251.34	270.76	305.55	357.15	406.74	453.93	472.53	481.01	476.40	478.93	473.19	453.44	432.31
G 51.0	257.28	278.91	317.52	368.26	426.28	479.78	503.11	515.18	506.78	496.68	480.49	449.97	422.66
G 52.0	264.42	289.44	329.18	384.31	445.10	505.87	536.95	551.57	533.68	511.23	484.92	439.95	411.74
G 53.0	268.89	299.08	343.83	401.91	467.91	538.42	576.32	589.05	559.42	524.01	484.69	426.37	397.40
G 54.0	269.05	309.56	360.55	421.17	491.70	566.70	611.17	627.43	584.52	533.28	478.88	411.63	383.35
G 55.0	260.80	315.60	371.97	439.14	517.26	603.30	651.21	659.50	607.66	537.39	466.86	395.95	367.59
G 56.0	256.13	313.14	381.48	454.18	544.14	640.56	691.73	689.66	626.80	534.64	450.52	377.01	348.80
G 57.0	256.65	314.27	383.85	461.72	565.88	674.78	726.66	715.28	637.37	523.71	432.23	360.94	327.92
G 58.0	265.91	321.34	392.86	471.32	581.28	702.88	756.05	732.73	637.03	503.42	407.39	335.65	308.22
G 59.0	276.03	337.01	408.09	487.74	596.00	717.76	771.90	737.43	623.72	475.73	381.44	310.42	283.89
G 60.0	283.25	351.64	427.80	512.30	615.41	725.44	770.90	727.80	599.80	440.54	351.89	283.13	252.86
G 61.0	288.69	364.63	447.10	535.02	639.02	730.18	757.40	702.32	569.56	402.68	317.63	251.67	199.20
G 62.0	292.02	373.97	464.34	554.48	662.07	733.38	735.15	653.36	518.08	363.23	282.46	203.69	143.23
G 63.0	293.23	380.82	477.04	570.93	676.88	729.89	716.24	603.43	457.86	316.99	243.55	144.25	105.08
G 64.0	292.71	384.40	486.87	582.97	683.08	717.92	688.99	544.77	386.90	272.01	188.43	106.07	93.03
G 65.0	291.39	385.92	492.89	590.31	682.27	700.23	652.18	495.61	323.47	212.99	133.25	91.03	81.81
G 66.0	288.21	386.01	495.18	592.35	672.21	675.29	614.29	435.79	275.17	150.35	97.96	78.93	73.54
G 67.0	283.16	384.41	494.35	588.53	656.63	640.45	566.42	383.56	223.07	111.06	83.70	70.46	64.28
G 68.0	276.19	380.59	490.60	578.64	632.41	606.42	517.26	335.43	178.76	89.55	70.74	61.53	56.71
G 69.0	264.90	374.24	482.95	562.50	610.84	565.02	469.34	282.93	135.54	72.89	60.86	53.76	49.96
G 70.0	238.80	365.23	471.52	541.82	571.60	520.76	415.93	229.35	105.99	60.55	52.48	47.53	44.55
G 71.0	216.51	336.02	455.88	512.74	535.55	477.35	367.76	180.41	84.55	50.16	45.70	41.87	39.92
G 72.0	192.15	311.79	414.46	465.96	489.64	428.57	310.88	142.74	64.33	43.35	40.20	37.12	35.22

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-3M	Codice	ITALO 1 0F3 STW 4.5-3M	Codice	L-IT1-0F3-4000-525-3M
Nome	ITALO 1 0F3 STW 4.5-3M	Nome	ITALO 1 0F3 STW 4.5-3M	Numero	1
Archivio	Eulumat	Data	01-04-2014	Posizione	

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	6590.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 2/18						
	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	C 95.00	C 100.00	C 105.00	C 110.00	C 115.00	C 120.00	C 125.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	266.02	267.62	266.94	267.46	267.60	267.47	267.60	267.46	266.94	267.62	266.02	267.75	265.73
G 2.0	267.11	268.41	268.10	269.37	269.79	270.44	269.79	269.37	268.10	268.41	267.11	268.25	267.41
G 3.0	270.41	270.59	270.23	271.17	272.14	272.91	272.14	271.17	270.23	270.59	270.41	271.39	270.66
G 4.0	273.80	273.87	273.34	273.16	274.71	275.84	274.71	273.16	273.34	273.87	273.80	274.35	271.93
G 5.0	275.97	277.31	276.63	276.08	277.12	278.46	277.12	276.08	276.63	277.31	275.97	275.88	275.23
G 6.0	278.01	280.08	280.24	278.80	279.70	281.52	279.70	278.80	280.24	280.08	278.01	278.84	279.43
G 7.0	282.47	281.96	283.03	282.35	282.48	284.57	282.48	282.35	283.03	281.96	282.47	283.71	283.51
G 8.0	286.44	285.52	285.55	286.03	285.43	287.59	285.43	286.03	285.55	285.52	286.44	287.29	288.00
G 9.0	290.40	289.55	288.31	289.42	288.68	290.62	288.68	289.42	288.31	289.55	290.40	291.74	292.90
G 10.0	294.28	293.94	291.51	292.79	291.50	293.00	291.50	292.79	291.51	293.94	294.28	297.14	296.43
G 11.0	299.43	297.40	295.52	295.37	294.38	296.12	294.38	295.37	295.52	297.40	299.43	300.62	301.27
G 12.0	303.32	301.12	299.33	297.77	297.10	298.69	297.10	297.77	299.33	301.12	303.32	304.57	305.32
G 13.0	306.92	305.51	302.80	300.55	299.86	301.67	299.86	300.55	302.80	305.51	306.92	309.51	308.48
G 14.0	310.80	310.19	306.27	303.12	302.65	303.75	302.65	303.12	306.27	310.19	310.80	313.31	312.00
G 15.0	315.17	313.42	309.57	305.99	305.37	306.66	305.37	309.59	309.57	313.42	315.17	316.74	315.25
G 16.0	318.41	316.65	312.36	308.73	307.64	307.82	307.64	308.73	312.36	316.65	318.41	319.82	317.93
G 17.0	321.43	319.67	315.62	311.30	309.97	309.99	309.97	311.30	315.62	319.67	321.43	322.49	319.90
G 18.0	324.04	323.22	318.86	314.27	311.83	311.69	311.83	314.27	318.86	323.22	324.04	325.00	321.80
G 19.0	326.12	326.18	321.17	316.62	313.50	313.15	313.50	316.62	321.17	326.18	326.12	327.22	323.48
G 20.0	328.37	328.65	323.28	318.50	314.87	314.49	314.87	318.50	323.28	328.65	328.37	328.98	325.06
G 21.0	329.73	330.34	325.15	320.32	316.10	315.85	316.10	320.32	325.15	330.34	329.73	330.29	326.26
G 22.0	330.86	331.99	326.88	321.89	317.03	316.92	317.03	321.89	326.88	331.99	330.86	331.48	327.10
G 23.0	331.75	333.02	328.26	323.21	317.84	317.88	317.84	323.21	328.26	333.02	331.75	332.43	327.86
G 24.0	332.39	334.03	329.46	324.48	318.63	318.89	318.63	324.48	329.46	334.03	332.39	332.83	328.26
G 25.0	332.91	334.59	330.21	325.27	319.39	319.80	319.39	325.27	330.21	334.59	332.91	333.25	328.67
G 26.0	333.02	334.84	330.59	326.06	320.43	320.65	320.43	326.06	330.59	334.84	333.02	333.67	329.02
G 27.0	332.96	335.16	331.19	326.68	321.44	321.90	321.44	326.68	331.19	335.16	332.96	333.65	328.92
G 28.0	333.19	335.40	331.75	327.69	323.14	323.82	323.14	327.69	331.75	335.40	333.19	333.58	328.74
G 29.0	333.47	336.19	333.03	329.03	325.66	326.19	325.66	329.03	333.03	336.19	333.47	333.41	328.65
G 30.0	334.15	337.54	335.46	331.47	328.42	329.61	328.42	331.47	335.46	337.54	334.15	333.51	328.44
G 31.0	335.97	339.90	338.74	335.03	333.40	334.30	333.40	335.03	338.74	339.90	335.97	333.87	328.29
G 32.0	338.34	343.34	343.59	339.84	338.57	339.68	338.57	339.84	343.34	343.59	338.34	334.82	328.76
G 33.0	341.86	348.23	349.62	345.40	344.98	346.19	344.98	345.40	348.23	349.62	341.86	336.62	329.64
G 34.0	346.67	353.77	356.14	352.38	351.55	354.28	351.55	352.38	356.14	353.77	346.67	339.70	331.25
G 35.0	352.39	360.94	364.17	360.60	359.85	361.76	359.85	360.60	364.17	360.94	352.39	344.06	333.89
G 36.0	360.30	368.53	373.15	368.59	368.24	370.02	368.24	368.59	373.15	368.53	360.30	349.40	337.84
G 37.0	367.52	377.72	382.41	377.67	376.34	379.21	376.34	377.67	382.41	377.72	367.52	355.50	342.87
G 38.0	376.18	386.57	391.99	387.12	384.63	387.53	384.63	387.12	391.99	386.57	376.18	363.04	348.83
G 39.0	385.24	396.19	401.54	395.06	393.03	396.06	393.03	395.06	401.54	396.19	385.24	371.99	355.83
G 40.0	393.93	404.78	410.55	404.35	399.29	403.22	399.29	404.35	410.55	404.78	393.93	381.41	364.33
G 41.0	404.13	413.52	417.85	412.01	405.92	410.51	405.92	412.01	417.85	413.52	404.13	390.86	373.49
G 42.0	412.15	421.11	425.51	418.42	410.71	415.46	410.71	418.42	425.51	421.11	412.15	400.22	384.49
G 43.0	419.42	427.40	430.48	423.57	413.93	419.08	413.93	423.57	430.48	427.40	419.42	409.64	395.63
G 44.0	424.90	432.03	433.61	426.24	414.84	420.88	414.84	426.24	433.61	432.03	424.90	418.55	407.37
G 45.0	429.43	434.91	434.57	427.01	413.97	420.41	413.97	427.01	434.91	434.57	429.43	427.33	419.38
G 46.0	431.76	435.31	432.69	425.45	410.42	417.39	410.42	425.45	432.69	435.31	431.76	433.76	429.95
G 47.0	431.29	433.10	428.37	421.43	404.53	412.45	404.53	421.43	428.37	433.10	431.29	438.15	440.21
G 48.0	428.18	429.11	422.15	414.03	396.22	405.29	396.22	414.03	422.15	429.11	428.18	439.86	447.84
G 49.0	422.34	421.57	413.13	405.44	386.77	396.22	386.77	405.44	413.13	421.57	422.34	438.10	452.12
G 50.0	414.36	411.74	401.36	394.11	374.57	383.50	374.57	394.11	401.36	411.74	414.36	432.31	453.44
G 51.0	403.21	400.08	388.59	380.16	361.15	370.27	361.15	380.16	388.59	400.08	403.21	422.66	449.97
G 52.0	389.11	386.10	372.36	365.43	344.31	352.82	344.31	365.43	372.36	386.10	389.11	411.74	439.95
G 53.0	373.74	369.39	356.35	347.59	328.70	338.23	328.70	347.59	356.35	369.39	373.74	397.40	426.37
G 54.0	358.58	352.61	338.23	331.44	310.59	319.60	310.59	331.44	338.23	352.61	358.58	383.35	411.63
G 55.0	341.64	334.99	320.78	312.54	292.42	302.92	292.42	312.54	320.78	334.99	341.64	367.59	395.95
G 56.0	323.67	314.86	300.50	295.94	269.16	278.25	269.16	295.94	300.50	314.86	323.67	348.80	377.01
G 57.0	303.65	296.05	269.04	250.58	221.37	230.94	221.37	250.58	269.04	296.05	303.65	327.92	360.94
G 58.0	280.91	258.90	218.35	205.86	163.77	175.47	163.77	205.86	218.35	258.90	280.91	308.22	335.65
G 59.0	233.24	208.43	162.99	143.91	115.60	128.80	115.60	143.91	162.99	208.43	233.24	283.89	310.42
G 60.0	187.66	152.74	114.64	107.71	96.70	101.32	96.70	107.71	114.64	152.74	187.66	252.86	283.13
G 61.0	133.67	112.72	100.45	96.17	86.58	89.78	86.58	96.17	100.45	112.72	133.67	199.20	251.67
G 62.0	104.73	98.09	89.81	84.47	76.05	78.84	76.05	84.47	89.81	98.09	104.73	143.23	203.69
G 63.0	91.72	87.25	79.47	74.70	67.43	70.36	67.43	74.70	79.47	87.25	91.72	105.08	144.25
G 64.0	81.37	76.92	70.22	66.34	59.50	61.65	59.50	66.34	70.22	76.92	81.37	93.03	106.07
G 65.0	71.75	68.97	61.76	58.71	52.71	55.41	52.71	58.71	61.76	68.97	71.75	81.81	91.03
G 66.0	64.06	60.54	54.78	52.13	46.50	48.16	46.50	52.13	54.78	60.54	64.06	73.54	78.93
G 67.0	56.91	53.69	48.31	45.44	41.17	42.22	41.17	45.44	48.31	53.69	56.91	64.28	70.46
G 68.0	50.15	47.01	42.93	40.59	36.79	37.58	36.79	40.59	42.93	47.01	50.15	56.71	61.53
G 69.0	44.10	41.56	38.02	35.92	32.70	33.62	32.70	35.92	38.02	41.56	44.10	49.96	53.76
G 70.0	39.33	37.32	34.22	32.31	29.37	30.44	29.37	32.31	34.22	37.32	39.33	44.55	47.53
G 71.0	35.43	33.71	30.71	29.56	26.52	26.89	26.52	29.56	30.71	33.71	35.43	39.92	41.87
G 72.0	31.89	30.28	27.66	26.49	23.60	23.99	23.60	26.49	27.66	30.28	31.89	35.22	37.12

Apparecchio		Rilievo		Lampada	
Codice	ITALO 1 0F3 STW 4.5-3M	Codice	ITALO 1 0F3 STW 4.5-3M	Codice	L-IT1-0F3-4000-525-3M
Nome	ITALO 1 0F3 STW 4.5-3M	Nome	ITALO 1 0F3 STW 4.5-3M	Numero	1
Archivio	Eulumdat	Data	01-04-2014	Posizione	

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	6590.00 lm
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	Tabella Intensità Luminose - cd/klm							Tabella 3/18						
	C 130.00	C 135.00	C 140.00	C 145.00	C 150.00	C 155.00	C 160.00	C 165.00	C 170.00	C 175.00	C 180.00	C 185.00	C 190.00	
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	
G 1.0	267.50	265.21	266.84	264.78	266.34	264.89	266.08	264.67	265.90	264.55	263.15	264.68	264.66	
G 2.0	268.17	267.33	267.93	267.11	267.74	266.35	266.94	265.51	266.24	264.77	264.05	262.86	263.11	
G 3.0	271.40	269.05	269.63	267.24	267.66	266.08	266.24	265.22	265.22	264.28	267.87	264.35	265.10	
G 4.0	272.16	271.05	271.25	270.82	270.32	269.80	268.93	268.60	267.78	267.03	270.61	267.36	268.53	
G 5.0	275.65	275.75	275.59	274.64	274.34	274.18	272.93	273.17	271.57	271.09	274.03	270.73	270.88	
G 6.0	280.08	279.08	279.59	280.29	279.43	278.35	277.46	276.39	275.01	274.07	275.56	273.46	273.11	
G 7.0	284.09	284.82	284.83	283.08	282.53	282.33	280.63	280.08	278.50	277.12	276.13	274.30	273.77	
G 8.0	289.73	288.28	288.27	287.46	287.28	284.90	283.76	281.80	280.58	278.08	276.73	274.79	273.89	
G 9.0	292.91	293.07	292.63	290.55	289.79	287.35	285.72	283.26	281.81	278.88	276.93	274.94	273.56	
G 10.0	297.54	296.65	295.77	293.34	291.86	289.37	287.62	284.54	282.91	279.68	276.98	274.72	273.15	
G 11.0	301.50	299.78	298.75	295.86	294.25	291.21	288.95	285.62	283.43	279.91	276.71	274.35	272.48	
G 12.0	305.09	302.51	301.58	298.11	296.24	292.62	290.21	286.33	283.87	279.89	276.34	273.91	271.71	
G 13.0	308.61	305.46	304.09	300.00	297.97	293.78	291.24	286.85	284.03	279.72	275.78	272.96	270.69	
G 14.0	311.32	307.99	306.35	301.69	299.32	294.71	291.81	287.14	284.01	279.32	275.06	272.09	269.39	
G 15.0	314.00	310.50	308.39	303.32	300.42	295.53	292.19	287.36	283.84	279.05	274.34	271.12	268.40	
G 16.0	316.54	312.28	309.96	304.56	301.54	296.26	292.57	287.37	283.66	278.53	273.61	270.13	267.35	
G 17.0	318.77	314.14	311.33	305.77	302.54	296.88	293.09	287.51	283.57	278.09	272.81	269.19	266.17	
G 18.0	320.61	315.59	312.97	306.78	303.34	297.52	293.49	287.64	283.45	277.45	272.15	268.23	264.95	
G 19.0	322.05	316.78	314.15	307.88	304.31	298.20	294.06	287.81	283.31	277.09	271.41	267.17	263.64	
G 20.0	323.52	318.06	315.32	308.89	305.34	299.14	294.58	288.16	283.28	276.61	270.58	266.19	262.24	
G 21.0	324.61	319.01	316.16	309.94	306.38	300.05	295.30	288.61	283.28	276.14	269.77	265.29	260.87	
G 22.0	325.50	319.90	317.23	311.05	307.53	301.08	296.08	289.15	283.28	275.73	268.91	264.37	259.41	
G 23.0	326.37	320.62	318.12	312.27	308.76	302.45	297.10	289.73	283.51	275.25	268.18	262.94	258.22	
G 24.0	326.93	321.30	319.09	313.41	310.34	304.02	298.27	290.32	283.66	275.04	267.08	261.60	256.92	
G 25.0	327.40	321.83	319.92	314.64	311.90	305.77	299.48	291.19	283.79	274.33	266.10	260.09	255.02	
G 26.0	327.72	322.42	320.91	316.13	313.74	307.88	301.19	292.29	283.81	273.98	265.05	258.67	253.39	
G 27.0	327.87	322.82	321.73	317.47	315.61	309.90	303.04	293.40	284.07	273.27	263.57	257.07	251.46	
G 28.0	328.01	323.20	322.52	318.87	317.63	312.46	305.03	294.75	284.31	272.61	262.26	255.38	249.78	
G 29.0	328.02	323.50	323.39	320.58	320.09	315.20	307.45	296.21	284.58	271.98	260.93	253.57	247.95	
G 30.0	327.81	323.61	324.05	322.05	322.88	318.34	310.26	297.61	284.77	271.02	259.41	251.85	246.17	
G 31.0	327.79	323.61	324.67	323.98	325.55	322.20	313.45	299.68	285.00	269.95	257.66	250.24	244.18	
G 32.0	327.59	323.69	325.34	325.65	328.70	325.94	316.94	301.75	285.17	268.96	255.97	248.12	242.31	
G 33.0	327.57	323.65	325.74	327.53	331.90	329.60	320.77	304.13	285.28	267.80	254.31	246.51	240.49	
G 34.0	327.96	323.78	326.15	329.22	335.15	333.99	324.73	306.19	285.25	266.77	252.53	244.69	238.73	
G 35.0	329.03	324.18	326.58	331.02	338.88	337.84	329.11	308.55	285.16	265.30	250.99	242.88	236.97	
G 36.0	330.83	325.04	327.23	332.81	342.37	342.04	333.35	311.06	284.85	264.03	249.11	241.04	235.02	
G 37.0	333.60	326.66	328.18	334.31	346.05	346.25	337.67	313.27	284.51	262.53	247.46	239.41	233.26	
G 38.0	337.17	328.85	329.54	336.07	349.78	350.74	341.47	315.66	284.37	260.96	245.38	237.54	231.46	
G 39.0	342.25	332.00	331.43	338.29	353.56	356.00	345.31	317.64	283.60	259.42	243.56	235.69	229.23	
G 40.0	348.83	336.69	334.67	341.12	357.46	360.28	349.26	319.24	282.70	257.33	241.07	233.29	227.38	
G 41.0	355.97	342.76	338.70	345.41	361.47	365.04	352.53	320.21	281.75	255.58	239.02	231.35	225.21	
G 42.0	364.58	350.53	345.06	350.37	366.01	370.06	354.91	320.26	280.21	253.56	237.43	229.57	222.93	
G 43.0	375.13	360.12	352.91	356.81	371.37	375.32	356.63	319.97	278.88	251.90	236.33	228.21	220.96	
G 44.0	387.14	370.85	362.38	366.33	378.14	380.23	358.50	319.91	278.54	251.20	235.79	226.84	218.81	
G 45.0	402.05	382.93	374.45	377.72	387.39	386.36	361.05	321.10	279.14	251.56	236.41	226.33	217.34	
G 46.0	418.27	398.70	389.81	392.07	398.62	393.14	364.91	323.84	281.66	253.00	237.69	226.08	215.57	
G 47.0	434.95	419.47	406.53	410.84	412.42	403.98	371.92	329.74	285.16	255.79	239.59	226.47	214.06	
G 48.0	449.96	439.41	426.55	432.37	428.33	416.87	380.92	336.77	290.62	259.50	242.46	227.57	212.77	
G 49.0	462.49	462.25	448.62	455.48	446.95	433.08	393.92	345.75	297.86	264.86	246.38	229.23	211.58	
G 50.0	473.19	478.93	476.40	481.01	472.53	453.93	406.74	357.15	305.55	270.76	251.34	231.24	210.15	
G 51.0	480.49	496.68	506.78	515.18	503.11	479.78	426.28	368.26	317.52	278.91	257.28	233.62	208.79	
G 52.0	484.92	511.23	533.68	551.57	536.95	505.87	445.10	384.31	329.18	289.44	264.42	236.63	207.19	
G 53.0	484.69	524.01	559.42	589.05	576.32	538.42	467.91	401.91	343.83	299.08	268.89	237.21	201.26	
G 54.0	478.88	533.28	584.52	627.43	611.17	566.70	491.70	421.17	360.55	309.56	269.05	232.23	191.51	
G 55.0	466.86	537.39	607.66	659.50	651.21	603.30	517.26	439.14	371.97	315.60	260.80	217.80	169.96	
G 56.0	450.52	534.64	626.80	689.66	691.73	640.56	544.14	454.18	381.48	313.14	256.13	205.73	153.46	
G 57.0	432.23	523.71	637.37	715.28	726.66	674.78	565.88	461.72	383.85	314.27	256.65	198.28	141.64	
G 58.0	407.39	503.42	637.03	732.73	756.05	702.88	581.28	471.32	392.86	321.34	265.91	199.94	137.63	
G 59.0	381.44	475.73	623.72	737.43	771.90	717.76	596.00	487.74	408.09	337.01	276.03	201.71	133.83	
G 60.0	351.89	440.54	599.80	727.80	770.90	725.44	615.41	512.30	427.80	351.64	283.25	201.94	129.16	
G 61.0	317.63	402.68	569.56	702.32	757.40	730.18	639.02	535.02	447.10	364.63	288.69	200.53	123.63	
G 62.0	282.46	363.23	518.08	653.36	735.15	733.38	662.07	554.48	464.34	373.97	292.02	197.35	115.78	
G 63.0	243.55	316.99	457.86	603.43	716.24	729.89	676.88	570.93	477.04	380.82	293.23	192.70	107.61	
G 64.0	188.43	272.01	386.90	544.77	688.99	717.92	683.08	582.97	486.87	384.40	292.71	187.29	97.70	
G 65.0	133.25	212.99	323.47	495.61	652.18	700.23	682.27	590.31	492.89	385.92	291.39	180.42	88.35	
G 66.0	97.96	150.35	275.17	435.79	614.29	675.29	672.21	592.35	495.18	386.01	288.21	173.76	80.04	
G 67.0	83.70	111.06	223.07	383.56	566.42	640.45	656.63	588.53	494.35	384.41	283.16	165.01	72.79	
G 68.0	70.74	89.55	178.76	335.43	517.26	606.42	632.41	578.64	490.60	380.59	276.19	156.96	64.13	
G 69.0	60.86	72.89	135.54	282.93	469.34	565.02	610.84	562.50	482.95	374.24	264.90	146.73	55.65	
G 70.0	52.48	60.55	105.99	229.35	415.93	520.76	571.60	541.82	471.52	365.23	238.80	119.62	47.49	
G 71.0	45.70	50.16	84.55	180.41	367.76	477.35	535.55	512.74	455.88	336.02	216.51	103.58	43.01	
G 72.0	40.20	43.35	64.33	142.74	310.88	428.57	489.64	465.96	414.46	311.79	192.15	90.80	39.08	

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-3M	Codice ITALO 1 0F3 STW 4.5-3M	Codice L-IT1-0F3-4000-525-3M
Nome ITALO 1 0F3 STW 4.5-3M	Nome ITALO 1 0F3 STW 4.5-3M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	6590.00 lm
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	Tabella Intensità Luminose - cd/klm						Tabella 4/18						
	C 195.00	C 200.00	C 205.00	C 210.00	C 215.00	C 220.00	C 225.00	C 230.00	C 235.00	C 240.00	C 245.00	C 250.00	C 255.00
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92
G 1.0	264.09	264.05	263.17	263.98	262.10	263.33	261.29	262.42	260.66	261.54	260.65	261.16	261.35
G 2.0	261.73	261.75	260.75	260.82	260.39	261.02	260.57	261.08	259.67	260.43	258.32	258.55	258.03
G 3.0	262.59	262.76	260.41	260.62	258.15	258.95	257.04	257.49	257.05	257.94	256.91	257.11	255.44
G 4.0	264.77	264.98	261.60	261.82	258.82	258.86	256.11	256.13	253.79	254.08	254.11	255.12	253.72
G 5.0	267.71	267.53	264.21	264.19	259.76	259.48	255.86	255.51	252.66	252.39	250.69	251.76	252.04
G 6.0	269.96	269.82	266.03	265.59	261.77	261.43	256.53	255.24	251.77	251.15	248.47	248.66	249.89
G 7.0	271.14	270.27	267.48	267.02	262.77	262.23	258.03	256.76	251.25	249.87	246.99	246.48	247.10
G 8.0	271.15	269.89	267.23	266.64	263.55	263.10	258.65	257.27	252.14	249.31	245.30	244.56	244.03
G 9.0	270.77	269.30	266.65	265.80	262.91	262.72	259.26	257.87	252.65	249.83	244.01	242.84	241.38
G 10.0	270.28	268.54	265.90	264.77	261.99	261.68	258.98	258.07	253.16	250.22	243.32	241.17	239.19
G 11.0	269.44	267.53	264.80	263.63	260.86	260.27	257.78	257.31	253.28	250.46	243.31	239.63	237.41
G 12.0	268.52	266.47	263.74	262.33	259.47	259.04	256.57	256.31	253.05	250.94	243.53	238.72	235.76
G 13.0	267.43	265.18	262.39	260.86	258.00	257.69	255.01	254.75	252.47	250.70	243.59	238.25	233.80
G 14.0	266.21	263.81	260.78	259.48	256.61	256.03	253.65	253.34	250.84	250.15	243.91	237.85	232.18
G 15.0	264.91	262.32	259.23	257.86	255.00	254.29	252.09	251.64	249.45	248.86	243.93	237.52	230.50
G 16.0	263.63	260.94	257.66	256.40	253.42	252.89	250.50	250.13	247.96	247.49	243.52	237.27	228.57
G 17.0	262.19	259.31	256.25	254.94	252.07	251.35	248.86	248.58	246.47	245.92	242.39	233.89	222.57
G 18.0	260.77	258.02	254.53	253.30	250.31	249.61	247.29	246.72	244.75	243.92	239.27	228.76	215.67
G 19.0	259.37	256.34	253.20	251.57	248.76	247.81	245.46	244.90	242.51	241.48	235.48	223.41	206.32
G 20.0	258.13	254.91	251.61	249.89	247.10	246.01	243.54	242.78	240.18	238.99	230.80	203.55	187.46
G 21.0	256.69	253.44	250.16	248.32	245.36	244.23	241.61	240.69	238.08	228.37	211.50	180.88	164.74
G 22.0	255.22	251.69	248.54	246.65	243.67	242.59	239.87	238.72	234.32	208.40	189.23	154.82	143.01
G 23.0	253.52	250.20	246.77	244.82	241.90	240.67	238.02	234.93	218.04	183.18	162.39	136.82	123.51
G 24.0	251.73	248.40	245.04	242.91	239.98	238.72	235.87	218.66	192.11	159.94	147.16	111.27	93.06
G 25.0	250.32	246.56	243.32	241.12	238.05	236.64	232.12	197.22	169.55	143.20	120.31	85.76	71.25
G 26.0	248.68	244.82	241.42	239.37	236.13	234.55	218.18	173.50	151.56	115.06	91.77	57.56	47.62
G 27.0	246.81	243.31	239.42	237.41	234.37	230.48	200.21	155.05	129.79	88.17	66.55	40.57	37.33
G 28.0	245.23	241.48	237.84	235.45	232.16	214.96	179.61	137.50	105.99	62.20	43.43	37.62	36.27
G 29.0	242.93	239.76	235.96	233.62	230.11	198.08	156.50	115.19	77.96	42.07	38.49	36.94	35.61
G 30.0	241.09	237.60	234.25	231.66	226.28	178.59	142.29	88.94	52.24	39.35	37.68	36.46	35.10
G 31.0	239.35	235.78	232.30	229.38	213.57	156.97	119.96	67.36	41.03	38.71	37.29	35.98	34.65
G 32.0	237.74	233.85	230.51	227.18	195.95	144.28	97.15	44.55	39.65	38.27	36.81	35.59	34.16
G 33.0	235.88	232.02	228.28	224.11	178.18	123.37	75.35	40.87	39.13	37.89	36.48	35.17	33.76
G 34.0	233.87	230.21	226.28	212.90	159.38	103.16	52.15	40.25	38.71	37.53	36.14	34.86	33.36
G 35.0	231.88	227.91	223.83	197.21	146.36	81.57	42.29	39.74	38.33	37.20	35.79	34.55	33.01
G 36.0	229.86	225.57	221.49	182.12	129.20	58.15	40.91	39.40	37.97	36.93	35.51	34.21	32.67
G 37.0	227.87	223.48	218.60	164.00	107.76	45.23	40.39	39.02	37.67	36.67	35.25	33.94	32.37
G 38.0	225.94	221.38	214.83	148.75	90.80	42.39	40.07	38.69	37.40	36.45	35.00	33.73	32.08
G 39.0	223.92	218.78	204.75	136.76	70.50	41.87	39.73	38.38	37.18	36.23	34.83	33.55	31.84
G 40.0	221.75	215.97	189.59	118.69	51.63	41.62	39.42	38.14	36.89	36.08	34.70	33.47	31.74
G 41.0	219.16	213.31	174.05	99.73	44.94	41.40	39.21	37.88	36.65	35.94	34.64	33.42	31.66
G 42.0	216.62	210.07	158.22	81.39	43.60	41.25	39.02	37.64	36.47	35.83	34.61	33.39	31.56
G 43.0	214.26	206.59	143.45	64.18	43.37	41.16	38.89	37.44	36.26	35.75	34.60	33.33	31.48
G 44.0	211.17	199.47	131.87	51.39	43.31	41.13	38.77	37.26	36.09	35.69	34.57	33.35	31.47
G 45.0	208.30	187.61	116.28	46.91	43.28	41.17	38.70	37.16	35.97	35.60	34.57	33.42	31.51
G 46.0	205.11	176.09	99.71	46.06	43.33	41.29	38.73	37.13	35.84	35.53	34.62	33.51	31.55
G 47.0	202.11	159.97	82.60	45.99	43.47	41.47	38.85	37.18	35.72	35.48	34.67	33.55	31.67
G 48.0	199.10	145.63	67.07	46.07	43.64	41.74	39.06	37.26	35.66	35.40	34.66	33.60	31.73
G 49.0	195.99	132.99	55.33	46.23	43.97	42.11	39.40	37.43	35.65	35.27	34.61	33.60	31.78
G 50.0	192.95	121.35	49.91	46.50	44.29	42.60	39.79	37.69	35.70	35.13	34.46	33.51	31.72
G 51.0	188.70	108.21	48.66	46.85	44.82	43.20	40.26	38.04	35.80	34.85	34.23	33.34	31.52
G 52.0	181.73	92.53	48.79	47.41	45.50	43.94	40.84	38.46	35.76	34.48	33.93	33.02	31.20
G 53.0	167.24	75.99	49.20	48.20	46.36	44.89	41.50	38.91	35.63	34.10	33.49	32.48	30.72
G 54.0	149.30	64.60	49.75	49.14	47.38	45.90	42.35	39.15	35.52	33.66	32.94	31.83	30.02
G 55.0	125.53	56.52	50.39	50.33	48.65	47.02	43.27	39.29	35.40	33.18	32.26	30.91	29.14
G 56.0	107.07	53.86	51.30	51.96	50.31	48.52	43.99	39.42	35.21	32.63	31.36	29.94	28.09
G 57.0	94.88	53.67	52.29	53.56	52.35	50.09	44.48	39.49	34.91	31.91	30.29	28.79	26.92
G 58.0	85.21	53.79	53.44	56.11	54.72	51.93	45.00	39.47	34.49	31.02	29.10	27.38	25.72
G 59.0	79.08	53.85	54.85	58.75	57.36	53.39	45.48	39.30	33.85	30.07	27.83	26.06	24.36
G 60.0	71.09	53.89	56.29	61.18	60.34	54.75	45.93	38.99	33.10	28.89	26.61	24.59	23.07
G 61.0	63.92	53.79	57.86	64.18	63.38	56.22	46.35	38.45	32.08	27.67	25.33	23.21	21.67
G 62.0	57.92	53.51	59.29	67.13	65.85	57.52	46.60	37.67	30.79	26.15	23.74	21.74	20.30
G 63.0	53.99	52.86	60.56	69.95	67.79	58.70	46.62	36.72	29.30	24.55	22.20	20.30	18.80
G 64.0	51.54	51.95	61.23	71.58	69.20	59.27	46.29	35.55	27.78	22.84	20.62	18.55	17.26
G 65.0	49.45	50.81	61.31	71.96	69.81	59.35	45.60	34.04	26.14	21.22	19.05	16.93	15.49
G 66.0	47.35	49.55	60.65	71.21	69.59	58.45	44.54	32.25	24.43	19.34	17.27	15.05	13.98
G 67.0	45.45	48.06	59.32	69.61	68.02	56.74	42.60	30.12	22.40	17.30	15.33	13.40	12.29
G 68.0	43.40	46.32	57.40	66.35	65.30	53.89	40.29	27.70	20.08	15.27	13.29	11.55	10.62
G 69.0	41.40	43.86	54.24	61.88	61.36	49.60	37.45	25.01	17.42	13.02	11.58	9.95	9.19
G 70.0	39.02	41.21	50.06	56.11	55.57	44.81	33.55	21.86	15.05	11.10	9.83	8.43	7.82
G 71.0	36.48	38.13	45.53	49.54	48.98	39.45	29.20	18.08	12.68	9.57	8.52	7.25	6.88
G 72.0	33.77	35.28	40.51	43.29	41.70	33.37	24.74	15.22	10.72	8.07	7.16	6.25	5.92



Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-3M	Codice ITALO 1 0F3 STW 4.5-3M	Codice L-IT1-0F3-4000-525-3M
Nome ITALO 1 0F3 STW 4.5-3M	Nome ITALO 1 0F3 STW 4.5-3M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%													
	Sistema Coordinate						CG						Flusso Totale	6590.00 lm
	Tabella Intensità Luminose - cd/klm						Tabella 5/18							
	C 260.00	C 265.00	C 270.00	C 275.00	C 280.00	C 285.00	C 290.00	C 295.00	C 300.00	C 305.00	C 310.00	C 315.00	C 320.00	
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	264.92	
G 1.0	261.68	262.40	262.43	262.40	261.68	261.35	261.16	260.65	261.54	260.66	262.42	261.29	263.33	
G 2.0	258.47	259.79	260.18	259.79	258.47	258.03	258.55	258.32	260.43	259.67	261.08	260.57	261.02	
G 3.0	255.69	257.08	258.01	257.08	255.69	255.44	257.11	256.91	257.94	257.05	257.49	257.04	258.95	
G 4.0	253.26	254.49	255.87	254.49	253.26	253.72	255.12	254.11	254.08	253.79	256.13	256.11	258.86	
G 5.0	251.23	251.99	253.80	251.99	251.23	252.04	251.76	250.69	252.39	252.66	255.51	255.86	259.48	
G 6.0	249.55	249.64	251.77	249.64	249.55	249.89	248.66	248.47	251.15	251.77	255.24	256.53	261.43	
G 7.0	247.95	247.44	249.73	247.44	247.95	247.10	246.48	246.99	249.87	251.25	256.76	258.03	262.23	
G 8.0	246.22	245.48	248.06	245.48	246.22	244.03	244.56	245.30	249.31	252.14	257.27	258.65	263.10	
G 9.0	243.98	243.94	246.27	243.94	243.98	241.38	242.84	244.01	249.83	252.65	257.87	259.26	262.72	
G 10.0	241.34	242.17	244.63	242.17	241.34	239.19	241.17	243.32	250.22	253.16	258.07	258.98	261.68	
G 11.0	238.88	240.59	242.99	240.59	238.88	237.41	239.63	243.31	250.46	253.28	257.31	257.78	260.27	
G 12.0	236.49	239.14	241.56	239.14	236.49	235.76	238.72	243.53	250.94	253.05	256.31	256.57	259.04	
G 13.0	234.20	237.69	239.78	237.69	234.20	233.80	238.25	243.59	250.70	252.47	254.75	255.01	257.69	
G 14.0	232.03	236.28	238.34	236.28	232.03	232.18	237.85	243.91	250.15	250.84	253.34	253.65	256.03	
G 15.0	230.08	234.51	236.54	234.51	230.08	230.50	237.52	243.93	248.86	249.45	251.64	252.09	254.29	
G 16.0	224.50	229.81	228.82	229.81	224.50	228.57	237.27	243.52	247.49	247.96	250.13	250.50	252.89	
G 17.0	213.80	218.23	214.92	218.23	213.80	222.57	233.89	242.39	245.92	246.47	248.58	248.86	251.35	
G 18.0	204.01	204.53	198.83	204.53	204.01	215.67	228.76	239.27	243.92	244.75	246.72	247.29	249.61	
G 19.0	185.92	183.90	180.82	183.90	185.92	206.32	223.41	235.48	241.48	242.51	244.90	245.46	247.81	
G 20.0	165.62	163.36	155.13	163.36	165.62	187.46	203.55	230.80	238.99	240.18	242.78	243.54	246.01	
G 21.0	137.71	136.41	127.63	136.41	137.71	164.74	180.88	211.50	228.37	238.08	240.69	241.61	244.23	
G 22.0	120.10	113.78	100.79	113.78	120.10	143.01	154.82	189.23	208.40	234.32	238.72	239.87	242.59	
G 23.0	93.05	87.23	74.49	87.23	93.05	123.51	136.82	162.39	183.18	218.04	234.93	238.02	240.67	
G 24.0	72.08	65.80	58.03	65.80	72.08	93.06	111.27	147.16	159.94	192.11	218.66	235.87	238.72	
G 25.0	48.53	48.61	40.68	48.61	48.53	71.25	85.76	120.31	143.20	169.55	197.22	232.12	236.64	
G 26.0	37.01	36.27	35.48	36.27	37.01	47.62	57.56	91.77	115.06	151.56	173.50	218.18	234.55	
G 27.0	35.56	34.99	34.63	34.99	35.56	37.33	40.57	66.55	88.17	129.79	155.05	200.21	230.48	
G 28.0	34.92	34.27	33.93	34.27	34.92	36.27	37.62	43.43	62.20	105.99	137.50	179.61	214.96	
G 29.0	34.45	33.67	33.37	33.67	34.45	35.61	36.94	38.49	42.07	77.96	115.19	156.50	198.08	
G 30.0	33.93	33.18	32.85	33.18	33.93	35.10	36.46	37.68	39.35	52.24	88.94	142.29	178.59	
G 31.0	33.45	32.69	32.27	32.69	33.45	34.65	35.98	37.29	38.71	41.03	67.36	119.96	156.97	
G 32.0	32.98	32.17	31.75	32.17	32.98	34.16	35.59	36.81	38.27	39.65	44.55	97.15	144.28	
G 33.0	32.56	31.71	31.27	31.71	32.56	33.76	35.17	36.48	37.89	39.13	40.87	75.35	123.37	
G 34.0	32.13	31.27	30.78	31.27	32.13	33.36	34.86	36.14	37.53	38.71	40.25	52.15	103.16	
G 35.0	31.67	30.81	30.35	30.81	31.67	33.01	34.55	35.79	37.20	38.33	39.74	42.29	81.57	
G 36.0	31.28	30.26	29.73	30.26	31.28	32.67	34.21	35.51	36.93	37.97	39.40	40.91	58.15	
G 37.0	30.92	29.79	29.11	29.79	30.92	32.37	33.94	35.25	36.67	37.67	39.02	40.39	45.23	
G 38.0	30.52	29.25	28.55	29.25	30.52	32.08	33.73	35.00	36.45	37.40	38.69	40.07	42.39	
G 39.0	30.26	28.82	28.19	28.82	30.26	31.88	33.55	34.83	36.23	37.18	38.38	39.73	41.87	
G 40.0	30.11	28.58	27.89	28.58	30.11	31.74	33.47	34.70	36.08	36.89	38.14	39.42	41.62	
G 41.0	29.94	28.32	27.59	28.32	29.94	31.66	33.42	34.64	35.94	36.65	37.88	39.21	41.40	
G 42.0	29.78	28.07	27.31	28.07	29.78	31.56	33.39	34.61	35.83	36.47	37.64	39.02	41.25	
G 43.0	29.69	27.91	27.11	27.91	29.69	31.48	33.33	34.60	35.75	36.26	37.44	38.89	41.16	
G 44.0	29.65	27.79	26.94	27.79	29.65	31.47	33.35	34.57	35.69	36.09	37.26	38.77	41.13	
G 45.0	29.64	27.66	26.78	27.66	29.64	31.51	33.42	34.57	35.60	35.97	37.16	38.70	41.17	
G 46.0	29.70	27.64	26.78	27.64	29.70	31.55	33.51	34.62	35.53	35.84	37.13	38.73	41.29	
G 47.0	29.81	27.70	26.79	27.70	29.81	31.67	33.55	34.67	35.48	35.72	37.18	38.85	41.47	
G 48.0	29.87	27.68	26.74	27.68	29.87	31.73	33.60	34.66	35.40	35.66	37.26	39.06	41.74	
G 49.0	29.84	27.60	26.62	27.60	29.84	31.78	33.60	34.61	35.27	35.65	37.43	39.40	42.11	
G 50.0	29.70	27.42	26.38	27.42	29.70	31.72	33.51	34.46	35.13	35.70	37.69	39.79	42.60	
G 51.0	29.41	27.12	26.05	27.12	29.41	31.52	33.34	34.23	34.85	35.80	38.04	40.26	43.20	
G 52.0	29.02	26.69	25.57	26.69	29.02	31.20	33.02	33.93	34.48	35.76	38.46	40.84	43.94	
G 53.0	28.36	26.15	24.98	26.15	28.36	30.72	32.48	33.49	34.10	35.63	38.91	41.50	44.89	
G 54.0	27.65	25.44	24.19	25.44	27.65	30.02	31.83	32.94	33.66	35.52	39.15	42.35	45.90	
G 55.0	26.82	24.58	23.21	24.58	26.82	29.14	30.91	32.26	33.18	35.40	39.29	43.27	47.02	
G 56.0	25.76	23.59	22.22	23.59	25.76	28.09	29.94	31.36	32.63	35.21	39.42	43.99	48.52	
G 57.0	24.64	22.57	21.20	22.57	24.64	26.92	28.79	30.29	31.91	34.91	39.49	44.48	50.09	
G 58.0	23.42	21.38	20.08	21.38	23.42	25.72	27.38	29.10	31.02	34.49	39.47	45.00	51.93	
G 59.0	22.21	20.42	19.05	20.42	22.21	24.36	26.06	27.83	30.07	33.85	39.30	45.48	53.39	
G 60.0	20.93	19.23	17.89	19.23	20.93	23.07	24.59	26.61	28.89	33.10	38.99	45.93	54.75	
G 61.0	19.72	18.05	16.73	18.05	19.72	21.67	23.21	25.33	27.67	32.08	38.45	46.35	56.22	
G 62.0	18.44	16.73	15.50	16.73	18.44	20.30	21.74	23.74	26.15	30.79	37.67	46.60	57.52	
G 63.0	16.88	15.48	14.30	15.48	16.88	18.80	20.30	22.20	24.55	29.30	36.72	46.62	58.70	
G 64.0	15.43	14.26	13.09	14.26	15.43	17.26	18.55	20.62	22.84	27.78	35.55	46.29	59.27	
G 65.0	13.85	12.83	11.85	12.83	13.85	15.49	16.93	19.05	21.22	26.14	34.04	45.60	59.35	
G 66.0	12.36	11.43	10.50	11.43	12.36	13.98	15.05	17.27	19.34	24.43	32.25	44.54	58.45	
G 67.0	10.82	9.97	9.32	9.97	10.82	12.29	13.40	15.33	17.30	22.40	30.12	42.60	56.74	
G 68.0	9.43	8.83	8.09	8.83	9.43	10.62	11.55	13.29	15.27	20.08	27.70	40.29	53.89	
G 69.0	8.10	7.59	7.05	7.59	8.10	9.19	9.95	11.58	13.02	17.42	25.01	37.45	49.60	
G 70.0	7.03	6.70	6.25	6.70	7.03	7.82	8.43	9.83	11.10	15.05	21.86	33.55	44.81	
G 71.0	6.10	5.87	5.46	5.87	6.10	6.88	7.25	8.52	9.57	12.68	18.08	29.20	39.45	
G 72.0	5.45	5.19	4.88	5.19	5.45	5.92	6.25	7.16	8.07	10.72	15.22	24.74	33.37	

Apparecchio	Rilievo	Lampada
Codice ITALO 1 0F3 STW 4.5-3M	Codice ITALO 1 0F3 STW 4.5-3M	Codice L-IT1-0F3-4000-525-3M
Nome ITALO 1 0F3 STW 4.5-3M	Nome ITALO 1 0F3 STW 4.5-3M	Numero 1
Archivio Eulumdat	Data 01-04-2014	Posizione

Rendimento	100.00%	Sistema Coordinate	CG	Flusso Totale	6590.00 lm
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	Tabella Intensità Luminose - cd/klm				Tabella 6/18			
	C 325.00	C 330.00	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	
G 0.0	264.92	264.92	264.92	264.92	264.92	264.92	264.92	
G 1.0	262.10	263.98	263.17	264.05	264.09	264.66	264.68	
G 2.0	260.39	260.82	260.75	261.75	261.73	263.11	262.86	
G 3.0	258.15	260.62	260.41	262.76	262.59	265.10	264.35	
G 4.0	258.82	261.82	261.60	264.98	264.77	268.53	267.36	
G 5.0	259.76	264.19	264.21	267.53	267.71	270.88	270.73	
G 6.0	261.77	265.59	266.03	269.82	269.96	273.11	273.46	
G 7.0	262.77	267.02	267.48	270.27	271.14	273.77	274.30	
G 8.0	263.55	266.64	267.23	269.89	271.15	273.89	274.79	
G 9.0	262.91	265.80	266.65	269.30	270.77	273.56	274.94	
G 10.0	261.99	264.77	265.90	268.54	270.28	273.15	274.72	
G 11.0	260.86	263.63	264.80	267.53	269.44	272.48	274.35	
G 12.0	259.47	262.33	263.74	266.47	268.52	271.71	273.91	
G 13.0	258.00	260.86	262.39	265.18	267.43	270.69	272.96	
G 14.0	256.61	259.48	260.78	263.81	266.21	269.39	272.09	
G 15.0	255.00	257.86	259.23	262.32	264.91	268.40	271.12	
G 16.0	253.42	256.40	257.66	260.94	263.63	267.35	270.13	
G 17.0	252.07	254.94	256.25	259.31	262.19	266.17	269.19	
G 18.0	250.31	253.30	254.53	258.02	260.77	264.95	268.23	
G 19.0	248.76	251.57	253.20	256.34	259.37	263.64	267.17	
G 20.0	247.10	249.89	251.61	254.91	258.13	262.24	266.19	
G 21.0	245.36	248.32	250.16	253.44	256.69	260.87	265.29	
G 22.0	243.67	246.65	248.54	251.69	255.22	259.41	264.37	
G 23.0	241.90	244.82	246.77	250.20	253.52	258.22	262.94	
G 24.0	239.98	242.91	245.04	248.40	251.73	256.92	261.60	
G 25.0	238.05	241.12	243.32	246.56	250.32	255.02	260.09	
G 26.0	236.13	239.37	241.42	244.82	248.68	253.39	258.67	
G 27.0	234.37	237.41	239.42	243.31	246.81	251.46	257.07	
G 28.0	232.16	235.45	237.84	241.48	245.23	249.78	255.38	
G 29.0	230.11	233.62	235.96	239.76	242.93	247.95	253.57	
G 30.0	226.28	231.66	234.25	237.60	241.09	246.17	251.85	
G 31.0	213.57	229.38	232.30	235.78	239.35	244.18	250.24	
G 32.0	195.95	227.18	230.51	233.85	237.74	242.31	248.12	
G 33.0	178.18	224.11	228.28	232.02	235.88	240.49	246.51	
G 34.0	159.38	212.90	226.28	230.21	233.87	238.73	244.69	
G 35.0	146.36	197.21	223.83	227.91	231.88	236.97	242.88	
G 36.0	129.20	182.12	221.49	225.57	229.86	235.02	241.04	
G 37.0	107.76	164.00	218.60	223.48	227.87	233.26	239.41	
G 38.0	90.80	148.75	214.83	221.38	225.94	231.46	237.54	
G 39.0	70.50	136.76	204.75	218.78	223.92	229.23	235.69	
G 40.0	51.63	118.69	189.59	215.97	221.75	227.38	233.29	
G 41.0	44.94	99.73	174.05	213.31	219.16	225.21	231.35	
G 42.0	43.60	81.39	158.22	210.07	216.62	222.93	229.57	
G 43.0	43.37	64.18	143.45	206.59	214.26	220.96	228.21	
G 44.0	43.31	51.39	131.87	199.47	211.17	218.81	226.84	
G 45.0	43.28	46.91	116.28	187.61	208.30	217.34	226.33	
G 46.0	43.33	46.06	99.71	176.09	205.11	215.57	226.08	
G 47.0	43.47	45.99	82.60	159.97	202.11	214.06	226.47	
G 48.0	43.64	46.07	67.07	145.63	199.10	212.77	227.57	
G 49.0	43.97	46.23	55.33	132.99	195.99	211.58	229.23	
G 50.0	44.29	46.50	49.91	121.35	192.95	210.15	231.24	
G 51.0	44.82	46.85	48.66	108.21	188.70	208.79	233.62	
G 52.0	45.50	47.41	48.79	92.53	181.73	207.19	236.63	
G 53.0	46.36	48.20	49.20	75.99	167.24	201.26	237.21	
G 54.0	47.38	49.14	49.75	64.60	149.30	191.51	232.23	
G 55.0	48.65	50.33	50.39	56.52	125.53	169.96	217.80	
G 56.0	50.31	51.96	51.30	53.86	107.07	153.46	205.73	
G 57.0	52.35	53.56	52.29	53.67	94.88	141.64	198.28	
G 58.0	54.72	56.11	53.44	53.79	85.21	137.63	199.94	
G 59.0	57.36	58.75	54.85	53.85	79.08	133.83	201.71	
G 60.0	60.34	61.18	56.29	53.89	71.09	129.16	201.94	
G 61.0	63.38	64.18	57.86	53.79	63.92	123.63	200.53	
G 62.0	65.85	67.13	59.29	53.51	57.92	115.78	197.35	
G 63.0	67.79	69.95	60.56	52.86	53.99	107.61	192.70	
G 64.0	69.20	71.58	61.23	51.95	51.54	97.70	187.29	
G 65.0	69.81	71.96	61.31	50.81	49.45	88.35	180.42	
G 66.0	69.59	71.21	60.65	49.55	47.35	80.04	173.76	
G 67.0	68.02	69.61	59.32	48.06	45.45	72.79	165.01	
G 68.0	65.30	66.35	57.40	46.32	43.40	64.13	156.96	
G 69.0	61.36	61.88	54.24	43.86	41.40	55.65	146.73	
G 70.0	55.57	56.11	50.06	41.21	39.02	47.49	119.62	
G 71.0	48.98	49.54	45.53	38.13	36.48	43.01	103.58	
G 72.0	41.70	43.29	40.51	35.28	33.77	39.08	90.80	

