

STUDIO **ELTEC**

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PROGETTAZIONE IMPIANTI ELETTRICI

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Provincia di VICENZA

Comune di MALO e ISOLA VICENTINA

Ditta Proprietaria

NATCOR S.r.l.

Via Fondomuri n. 43 – 36034 Malo (VI)

Ditta Condittrice

FANIN S.p.A.

Via Fondomuri n. 43 – 36034 Malo (VI)

Intervento

AMPLIAMENTO SITO PRODUTTIVO DITTA NATCOR

ubicazione:

Via Fondomuri n. 43 – 36034 Malo (VI)

Elaborato

CONTENIMENTO INQUINAMENTO LUMINOSO

DIMOSTRAZIONE RISPETTO L. R. N. 17 DEL 07 AGOSTO 2009

- RELAZIONE TECNICA -

Fase progettuale

☒ Prog. PRELIMINARE ☐ Prog. DEFINITIVO ☐ Prog. ESECUTIVO ☐ AS BUILT ☐ Altro

Commessa

18026AB06AD

Documento

IL.00

Data

09/04/2019

Aggiornamento

~~Rev.1 28/08/2020~~

Rev.2 14/10/2020

File

18026AD RelazioneIlluminazioneEsterna Rev2

Progettista (Timbro e firma): per. Ind. Lorenzo Lari



PREMESSA

La presente revisione Rev. 2 del 14/10/2020 si è resa necessaria a seguito di alcune prescrizioni emesse da ARPAV all'interno della Valutazione di Impatto Ambientale.

La presente revisione integra anche le precedenti revisioni del 28/08/2020.

Elenco revisioni:

Rev. 2:

- Modifica temperatura di colore delle sorgenti LED da 4000K a 3000K

Rev. 1:

- paragrafo 1.4 ed 1.5 si specifica meglio l'inquadramento normativo per le attività lavorative in esterno e descrive nel dettaglio le soluzioni di dimmerizzazione DALI al fine di rispettare i requisiti normativi.
- Pagina 10 viene inserita la “dichiarazione di conformità del progetto alla Legge Regionale 17/2009” prima mancante

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OGGETTO

Oggetto della presente relazione è l'impianto di illuminazione delle aree esterne ad uso parcheggio privato di pertinenza di un edificio produttivo.

PROGETTO

Il presente documento descrive le scelte tecniche e le soluzioni impiantistiche adottate per l'impianto elettrico di illuminazione delle aree esterne.

DESCRIZIONE DELL'AREA

Il complesso edilizio si trova nel comune di Malo e nel comune di Isola Vicentina in zona agricola lungo via Fondomuri 43.

Il complesso dispone di aree esterne ad uso parcheggio privato ed ad uso manovra per autotreni per carico/scarico.

LEGGI E NORMATIVE

L'impianto elettrico di illuminazione dovrà essere realizzato a **regola d'arte** (L.186/68) utilizzando parimenti materiali costruiti a regola d'arte.

Normativa tecnica

- Norma CEI 64-8: Impianti elettrici utilizzatori a tensione nominale non superiore a 1000V in corrente alternata e a 1500V in corrente continua.
- UNI 11248:2012 Illuminazione stradale, Selezione delle categorie illuminotecniche
- UNI EN 13201:2004 Road lighting, Performance requirements

Legislazione Italiana

- Legge 1/3/68 n.186 Disposizioni concernenti la produzione di materiali, apparecchiature e impianti elettrici.
- L.R. 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.

1.2 SICUREZZA ELETTRICA

La sezione sicurezza elettrica prenderà in considerazione i seguenti aspetti:

- 1.2.1 Dati delle alimentazioni elettriche
- 1.2.2 Descrizione dell'impianto
- 1.2.3 Materiali idonei all'opera
- 1.2.4 Protezione contro i contatti indiretti
- 1.2.5 Impianto di terra
- 1.2.6 Protezione contro i contatti diretti
- 1.2.7 Dimensionamento cavi elettrici

1.2.1 Dati delle alimentazioni elettriche

IMPIANTO	illuminazione a servizio dei parcheggi e delle relative aree di manovra
Tensione	230/400V
Frequenza	50 Hz
Fasi	Trifase
Stato del neutro e delle masse	TN-S
Potenza massima installata	5,7kW

L'impianto sarà dotato di un sistema di parzializzazione su base oraria che permette la riduzione del flusso luminoso oltre il 30% entro le ore 24h.

1.2.2 Descrizione impianto

L'impianto sarà alimentato dall'impianto elettrico del capannone stesso.

Esso sarà realizzato in classe I con impianto di terra.

1.2.3 Materiali idonei all'opera

Gli apparecchi di illuminazione utilizzati saranno:

Proiettori industriali su area di manovra autoarticolati:

- apparecchi marca SBP serie GUELL 3 con ottica asimmetrica 50°
- Piastra LED da 305W – 34345Lm – 3000°K - 112Lm/W - CRI>80
- installazione a palo o parete a circa 12m di altezza

Armature stradali su area di parcheggio autoveicoli:

- apparecchi marca DISANO serie MINISTELVIO con ottica stradale
- Piastra LED da 78W – 7178Lm – 3000°K - 92Lm/W - CRI>70
- installazione a palo a circa 10m di altezza

1.2.4 Protezione contro i contatti indiretti

Realizzata in accordo con la norma CEI 64-8 per interruzione automatica dell'alimentazione.

1.2.5 Impianto di terra

Utilizzato l'impianto dispersore di terra dell'edificio

1.2.6 Protezione contro i contatti diretti

Protezione mediante isolamento delle parti attive:

- tutte le parti attive devono essere ricoperte con un isolamento-
- l'isolamento deve poter essere rimosso solo con distruzione dello stesso -
- l'isolamento dei componenti elettrici costruiti in fabbrica deve soddisfare alle relative norme -
- vernici, lacche o smalti non sono considerati idonei -

Protezione mediante involucri o barriere:

- le parti attive devono essere poste entro involucri o dietro barriere tali da assicurare almeno il grado di protezione IPXXB -
- per le superfici orizzontali superiori, a portata di mano, gli involucri o le barriere devono assicurare il grado di protezione non inferiore a IPXXD
- quando sia necessario aprire un involucro o rimuovere una barriera, questo deve essere possibile solo:
 - a) con l'uso di chiave o di un attrezzo, oppure
 - b) se dopo l'interruzione dell'alimentazione alle parti attive contro le quali le barriere o gli involucri offrono protezione, il ripristino dell'alimentazione sia possibile solo dopo la sostituzione o la richiusura delle barriere o degli involucri stessi, oppure
 - c) se quando una barriera intermedia con grado di protezione non inferiore a IPXXB protegge dal contatto con le parti attive, tale barriera possa essere rimossa solo con l'uso di una chiave o di un attrezzo.

1.2.7 Dimensionamento cavi elettrici

Protezione contro le sovracorrenti

Sarà previsto un quadro elettrico generale con rele' magnetotermico-differenziale.

Calcolo caduta di tensione

La ridotta estensione planimetrica non fa ritenere necessario verificare le cadute di tensione.

1.4 CALCOLI ILLUMINOTECNICI

Le aree esterne saranno utilizzate come aree di parcheggio ad uso privato a servizio dei lavoratori oppure aree di manovra per carico/scarico.

In questo contesto trova applicazione la sola legge regionale L.R. 17/2009 che prescrive tra l'altro di illuminare le superfici con valori medi inferiori a 1cd/mq.

Risulta utile anche la norma UNI EN 12464-2:2014 che propone la tabella 5.1.2 (aree di parcheggio a servizio delle attività lavorative in esterno). La tabella propone livelli di illuminamento medi mantenuti pari a 10lux.

Pertanto, ai sensi della L.R. 17/2009 ed UNI EN 12464-2:2014 possiamo affermare che l'impianto di illuminazione deve rispettare i seguenti requisiti:

- illuminamento medio al suolo pari a 10lux
- luminanza media della pavimentazione < 1cd/mq

1.4.1 Apparecchi di illuminazione utilizzati

Proiettori industriali su area di manovra autoarticolati:

- apparecchi marca SBP serie GUELL 3 con ottica asimmetrica 50°
- Piastra LED da 305W – 34345Lm – 3000°K - 112Lm/W - CRI>80
- installazione a palo o parete a circa 12m di altezza

Armature stradali su area di parcheggio autoveicoli:

- apparecchi marca DISANO serie MINISTELVIO con ottica stradale
- Piastra LED da 78W – 7178Lm – 3000°K - 92Lm/W - CRI>70
- installazione a palo a circa 10m di altezza

1.4.2 Calcoli illuminotecnici

I calcoli sono stati eseguiti con un programma di calcolo computazionale secondo le indicazioni UNI EN 12464-2:2016.

Posizione, numero e potenza delle lampade portano ad avere un illuminamento medio di 13 lux sull'intera area.

In considerazione del fatto che i 13lux medi ottenuti sono superiori ai valori raccomandati dalla norma UNI EN 12464-2:2014 anche in tenendo conto della tolleranza del $\pm 15\%$ (circolare ARPAV) si considera di dimmerare le lampade ad un regime ridotto del 88% (-12%).

Tale soluzione è facilmente realizzabile in quanto tutte le nuove lampade previste sono dotate di alimentatori dimmerabili DALI o 1-10V.

I risultati sono illustrati nell'allegato A2 e qui riassunti:

AREE ESTERNE – REGIME NORMALE – LAMPADE DIMMERATE AL 88% (-12%)			
Parametri	Valori richiesti	Valori calcolati analiticamente	
Illuminamento medio	10 lux	Medio sull'intera area	11,2 lux
Luminanza media del suolo	< 1,0 cd/mq	Medio sull'intera area	0,36 cd/mq

Gli accessi carrai risultano inoltre illuminati con 20 lux, valore idoneo per il compito visivo richiesto in considerazione del tipo di strada e delle zone conflittuali ivi presenti.

Regime di riduzione notturna:

AREE ESTERNE – REGIME NOTTURNO – LAMPADE DIMMERATE AL 58% (-42%)			
Parametri	Valori richiesti	Valori calcolati analiticamente	
Illuminamento medio	10 lux -30%	Medio sull'intera area	8 lux
Luminanza media del suolo	< 1,0 cd/mq	Medio sull'intera area	0,25 cd/mq

Pertanto la dimmerizzazione DALI / 1-10V sarà impostata di default in modo che:

- al tramonto, tutte le lampade si accendono ad un regime ridotto del 88%
- entro le ore 24h le lampade del parcheggio dipendenti saranno ridotte di un ulteriore 30% andando ad un regime del 58%
- in base alle esigenze produttive ed alla stagionalità delle lavorazioni, tutte le lampade dell'area di manovra carico/scarico camion saranno comunque mantenute in regime dell'88% indipendentemente dall'orario effettivo per poi essere ridotte anch'esse al 58% non appena l'attività lavorativa termina.

1.5 RIDUZIONE DELL'INQUINAMENTO LUMINOSO

Tutte le installazioni in esterno devono rispettare l'attuale legge in vigore nella regione Veneto n. 17 del 07 agosto 2009

Sito di installazione:

- Comune di Malo ed Isola Vicentina
- entro la fascia di rispetto dei 25km da osservatori astronomici professionali (allegato A)

Requisiti per gli impianti di illuminazione:

Requisiti richiesti per gli impianti di illuminazione in esterno secondo art. 9 comma 2

- a. intensità massima compresa tra 0 e 0,49 cd per 1000 Lumen di flusso totale emesso oltre 90° (art. 9 comma 2 lettera a)
- b. siano utilizzate lampade ad alta efficienza come le sodio alta pressione (art. 9 comma 2 lettera b)
- c. gli impianti siano realizzati in modo da non superare i valori indicati nelle normative tecniche (art. 9 comma 2 lettera c) con una tolleranza di $\pm 15\%$
- d. sono previsti dispositivi che riducono il flusso luminoso oltre 30% entro le ore 24.
(art. 9 comma 2 lettera d)

Per quanto riguarda gli apparecchi utilizzati sull'impianto:

- a. Gli apparecchi hanno vetro piano e saranno installati con **0°** rispetto all'orizzonte. Secondo i dati tabellari riportati nell'allegato A1 alla riga G90.0 ha emissione massima pari a $0\text{cd/klm} < 0,49\text{cd/klm}$ per qualunque angolo C
- b. Le lampade montate sugli apparecchi sono a LED di nuova generazione con efficienza maggiori di $94\text{Lm/W} > 90\text{Lm/W}$ minimi
- c. I risultati numerici di calcolo rientrano nei limiti richiesti in seguito alla dimmerizzazione DALI come meglio specificato nel punto 1.4
- d. La riduzione del flusso luminoso in regime notturno sarà anch'essa ottenuta tramite ulteriore dimmerizzazione DALI al 58% entro le ore 24h per il parcheggio dipendenti ed al termine delle attività lavorative di carico/scarico per l'area di manovre camion.
- e. Gli apparecchi utilizzati hanno codice CIE 39 75 97 100 100 e CIE 39 81 98 100 100 come riportato nell'allegato A1 e pertanto con rendimenti del $100\% > 60\%$ minimo

Pertanto si considerano soddisfatti tutti i punti richiesti dalla legge regionale.

DICHIARAZIONE DI CONFORMITA' DEL PROGETTO ILLUMINOTECNICO ALLA L.R. 17/09

DICHIARAZIONE DI PROGETTO A REGOLA D'ARTE

Il sottoscritto **LORENZO LARI** con studio di progettazione in via **VENETO** n° 2/A a **SCHIO (VI)** CAP **36015** tel. **0445576117** fax **0445576119** e-mail **info@studioeltec.it**
Iscritto al **COLLEGIO DEI PERITI INDUSTRIALI E DEI PERITI INDUSTRIALI LAUREATI di VICENZA** n° iscrizione **994**

Progettista dell'impianto d'illuminazione (descrizione sommaria): **DELLE AREE ESTERNE DI MANOVRA DI CARICO/SCARICO DEI CAMION E DELLE AREE ADIBITE A PARCHEGGIO DIPENDENTI PRESSO LO STABILIMENTO PRODUTTIVO DELLA DITTA NATCOR**

DICHIARA

sotto la propria personale responsabilità che l'impianto è stato progettato in conformità alla legge della Regione Veneto n. 17 del 07/08/09 " *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.* ", art. 9, ed alle successive integrazioni e modifiche, avendo in particolare:

riportato dettagliatamente nel progetto illuminotecnico esecutivo tutti gli elementi per una installazione corretta ed ai sensi della L.r. 17/09 e succ. integrazioni.

rispettato le indicazioni tecniche della L.r. 17/09 e succ. integrazioni medesima, e realizzato una relazione illuminotecnica a completamento del progetto, che dimostri la completa applicazione della L. r. 17/09 medesima,

seguito la normativa tecnica applicabile all'impiego e nello specifico la norma UNI EN 12464-2:2016. e quindi di aver realizzato un progetto a "regola d'arte"

corredato il progetto illuminotecnico della documentazione di seguito elencata:

- Relazione che dimostra il rispetto delle disposizioni di legge della L.r. 17/09 e succ. integrazioni,
- Calcoli illuminotecnici e risultati illuminotecnici (comprensivi di eventuali curve iso-luminanze e iso-illuminamenti)
- Dati fotometrici del corpo illuminante in formato tabellare numerico cartaceo.

Tali dati sono stati certificati e sottoscritti, circa la loro veridicità, dal responsabile tecnico del laboratorio di misura, certificato secondo standard di qualità, preferibilmente meglio se di ente terzo quale IMQ.

di attuare tutte le misure previste nel paragrafo 1.4 in merito alla dimmerizzazione DALI delle lampade al fine di mantenere i livelli di illuminamento massimi richiesti dalle norme sia in regime ordinario e sia in regime di riduzione notturna.

DECLINA

- ogni responsabilità per sinistri a persone o a cose derivanti da una esecuzione sommaria e non realizzata con i dispositivi previsti nel progetto illuminotecnico esecutivo,

- ogni responsabilità, qualora dopo averlo segnalato alla società installatrici, la stessa proceda comunque in una scorretta installazione (non conforme alla L.r. 17/09) dei corpi illuminanti. In tal caso il progettista si impegna a segnalarlo al committente (pubblico o privato), in forma scritta,

Data, 14 ottobre 2020

Il progettista



ALLEGATO A1

**CURVE FOTOMETRICHE APPARECCHIO
SBP GUELL 3**

GUELL 3 A50/W DALI



Codice	3103871
Attacco:	LED
Sorgente luminosa:	LED
Potenza:	305 W
Colore / RAL:	GR-94 / Grigio metallizzato / Gofirato
Classe di isolamento:	I
Grado di protezione:	IP66
IK-J-xxIP:	IK07 3J xx5
CRI:	80
Kelvin:	3000
Fattore di potenza:	COS $\phi \geq 0,9$
Ottica:	Ottica asimmetrica diffondente
Flusso della sorgente:	46369 lm
Flusso di apparecchio:	34353 lm
L:	L80
B:	B10
Lifetime:	55000 h
ULR:	0%
IPEA* (Street Lighting):	A
IPEA* (Area Lighting):	A3+
IPEA* (Cycle/Pedestrian Lighting):	A+
IPEA* (Green Areas):	A+
IPEA* (Historical Areas):	A5+
Luminous Intensity Class:	G*6

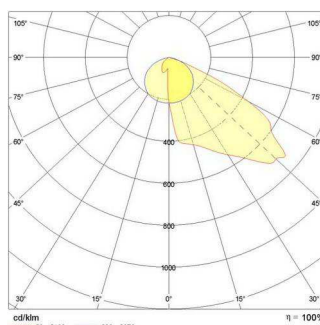


Descrizione

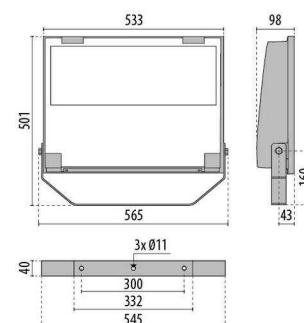
Proiettore LED per interni ed esterni, costituito da:

- Corpo in alluminio pressofuso verniciato polveri poliestere previo trattamento di conversione chimica superficiale ISO 9227
- Diffusore in vetro piano extrachiaro di sicurezza temprato
- Riflettori ad altissime prestazioni in alluminio placcato 99,99%, brillantato, ossidato e privo di iridescenza
- Guarnizione in silicone antinvecchiamento
- Pressacavo antistrappo M20x1.5 per cavi Ø 10 - Ø 14 mm
- Viteria esterna in acciaio inox
- Clip in alluminio con molla inox, imperdibili
- Staffa in acciaio verniciata con polveri poliestere previa cataforesi
- Completo di dispositivo supplementare di protezione alle sovratensioni di rete fino a 10 kV (SPD)
- Le versioni con ottica A50/W sono realizzate con moduli LED e riflettori specificatamente studiati per contesti dove sono necessarie distribuzioni luminose con un'elevata asimmetria
- Contatta l'azienda per le versioni dimmerabili DALI con unità di alimentazione remota, fino a una distanza massima di 50 metri (solo modelli A50 / W)
- Contatta l'azienda per altre temperature colore ed indici di resa cromatica

Dati fotometrici

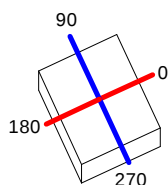


Disegni tecnici



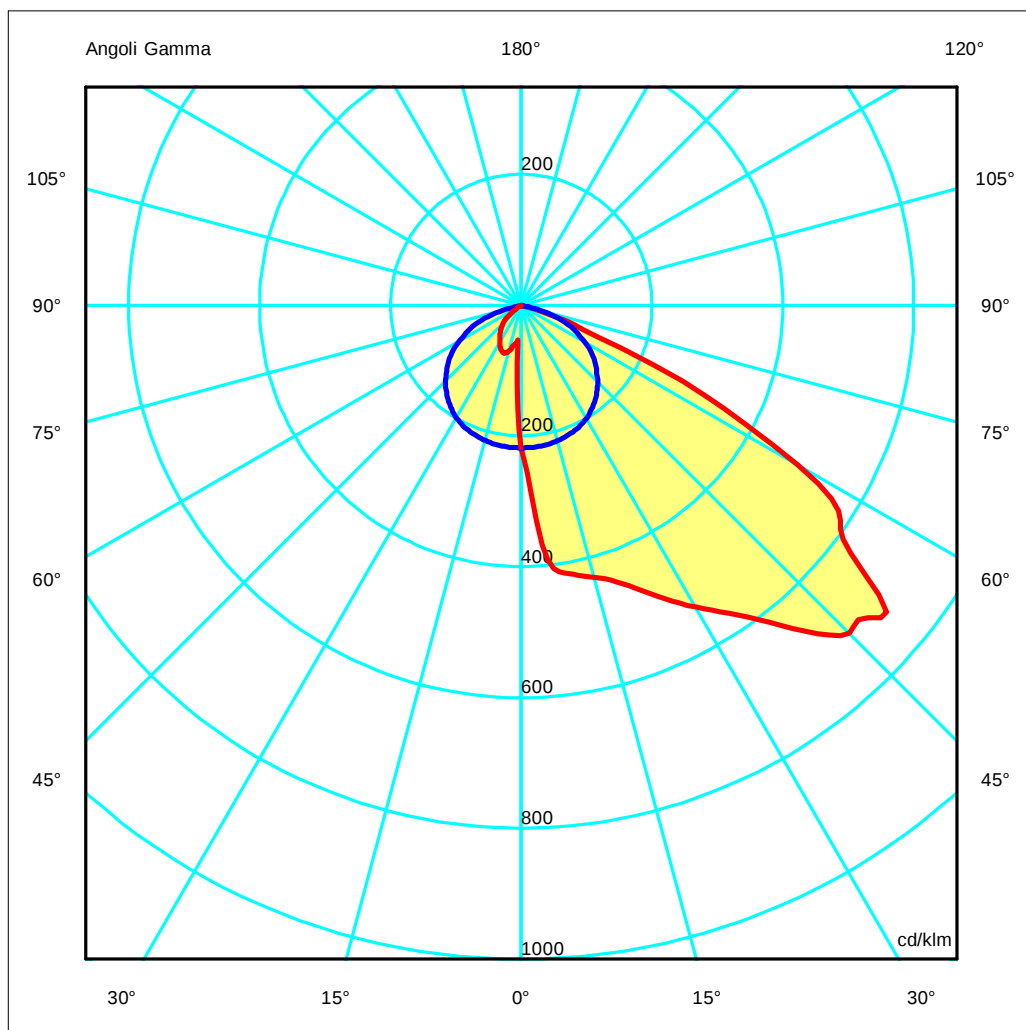
Apparecchio				Rilievo				Lampada					
Codice	3103871			Codice	3103871			Codice	3103871				
Nome	GUELL3 300 A50/W 830 GR			Nome	GUELL3 300 A50/W 830 GR			Numero	1				
Archivio	Eulumdat			Data	23-06-2017			Posizione					
Flusso Apparecchio				34353.71 lm	Potenza Apparecchio		305.00 W	Efficacia		112.64 lm/W	Rendimento	100.02%	
Flusso Lampade		34345.72 lm		Valore Massimo		728.45 cd/klm	Posizione		C=0.00 G=50.00		CG Simmetrico 0-180		
Apparecchio Rettangolare				Lung.	510 mm			Larg.	430 mm			Alt.	100 mm
Area Luminosa Rettangolare				Lung.	480 mm			Larg.	168 mm			Alt.	0 mm
Area Luminosa Orizzontale				0.080640 m 2			Area Luminosa Piano 180°			0.000000 m 2			
Area Luminosa Piano 0°				0.000000 m 2			Area Luminosa Piano 270°			0.000000 m 2			
Area Luminosa Piano 90°				0.000000 m 2			Area Luminosa a 76°			0.019509 m 2			
Sistema Coordinate				CG				Tipo di Simmetria		Simmetrico 0-180			
Data				23-06-2017			Massimo Angolo Gamma		90				
Distanza di rilievo				0.00			Flusso di rilievo		34345.72 lm				
Operatore				AYO			Tensione di alimentazione [V]						
Temperatura				25.00 °C			Corrente di alimentazione [A]						
Umidità				60.00 %			Fotocellula						
Note													
Archivio				Codice		Nome		Flusso [lm]		Pot. [W]		Q.tà	
				3103871		3103871		34345.72		305.00		1	
C.I.E.				39	81	98	100	100	D DIN 5040		A20		
F UTE				1.00	F			B NBN		BZ 5 / 2.5 / BZ 4			

510mm x 430mm



Semipiani C

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR 100.02 %
RN 0.00 %


Apparecchio				Rilievo				Lampada						
Codice	3103871			Codice	3103871			Codice	3103871					
Nome	GUELL3 300 A50/W 830 GR			Nome	GUELL3 300 A50/W 830 GR			Numero	1					
Archivio	Eulumdat			Data	23-06-2017			Posizione						
Flusso Apparecchio	34353.71 lm			Potenza Apparecchio	305.00 W			Efficacia	112.64 lm/W			Rendimento	100.02%	
Flusso Lampade	34345.72 lm			Valore Massimo	728.45 cd/klm			Posizione	C=0.00 G=50.00			CG	Simmetrico 0-180	
Tabella Intensità Luminose - cd/klm														
	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	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98
G 1.0	237.48	237.40	237.19	236.84	236.36	235.75	235.01	234.15	233.17	232.09	230.89	229.60	228.21	228.21
G 2.0	258.09	257.90	257.33	256.42	255.18	253.64	251.85	249.83	247.62	245.26	242.77	240.16	237.44	237.44
G 3.0	289.36	288.92	287.62	285.51	282.64	279.11	275.02	270.55	265.85	261.06	256.27	251.55	246.93	246.93
G 4.0	329.88	329.24	327.35	324.22	319.87	314.33	307.69	300.09	291.74	282.94	274.11	265.71	257.97	257.97
G 5.0	367.30	366.69	364.84	361.69	357.11	350.98	343.23	333.78	322.82	310.60	297.56	284.36	271.84	271.84
G 6.0	391.72	391.28	390.00	387.77	384.42	379.69	373.16	364.48	353.30	339.65	323.89	306.74	289.27	289.27
G 7.0	404.84	404.56	403.78	402.41	400.30	397.13	392.61	386.28	377.50	365.49	349.60	330.37	309.07	309.07
G 8.0	411.24	411.04	410.56	409.76	408.49	406.58	403.78	399.64	393.47	384.37	371.26	352.87	329.72	329.72
G 9.0	414.31	414.15	413.83	413.34	412.53	411.36	409.66	407.07	403.02	396.70	386.84	371.73	349.48	349.48
G 10.0	416.27	416.09	415.75	415.28	414.57	413.72	412.64	410.93	408.30	404.13	397.18	385.44	366.53	366.53
G 11.0	418.85	418.62	418.16	417.43	416.43	415.34	414.19	412.90	411.15	408.32	403.46	394.89	379.75	379.75
G 12.0	421.94	421.70	421.18	420.28	419.05	417.59	415.86	414.23	412.65	410.54	407.14	401.06	389.37	389.37
G 13.0	425.01	424.77	424.25	423.31	422.01	420.26	418.14	415.96	413.71	411.70	409.23	404.71	395.97	395.97
G 14.0	427.87	427.62	427.08	426.10	424.82	422.92	420.63	418.01	415.20	412.60	410.13	406.76	400.30	400.30
G 15.0	430.70	430.42	429.83	428.73	427.36	425.34	423.01	420.19	417.05	413.69	410.61	407.78	402.87	402.87
G 16.0	433.69	433.39	432.67	431.39	429.77	427.65	425.16	422.25	418.95	415.08	411.30	408.10	404.26	404.26
G 17.0	437.19	436.84	435.93	434.35	432.37	430.04	427.24	424.17	420.58	416.59	412.23	408.23	404.86	404.86
G 18.0	441.52	441.13	439.95	437.96	435.47	432.71	429.36	425.96	422.07	417.97	413.25	408.59	404.81	404.81
G 19.0	446.78	446.34	444.92	442.53	439.37	435.77	431.74	427.73	423.53	419.06	414.27	409.07	404.52	404.52
G 20.0	452.80	452.29	450.64	447.92	444.12	439.64	434.70	429.87	425.06	420.10	415.13	409.56	404.35	404.35
G 21.0	459.40	458.80	456.89	453.80	449.54	444.32	438.50	432.63	426.66	421.14	415.72	410.02	404.11	404.11
G 22.0	466.46	465.75	463.55	460.08	455.47	449.58	442.98	436.09	428.59	422.15	416.30	410.31	403.93	403.93
G 23.0	473.88	473.06	470.62	466.79	461.76	455.19	447.92	439.83	431.08	423.40	416.91	410.38	403.88	403.88
G 24.0	481.62	480.71	478.10	473.91	468.30	461.12	453.22	444.01	434.23	425.19	417.26	410.32	403.78	403.78
G 25.0	489.73	488.74	485.94	481.35	475.14	467.40	458.86	448.52	437.98	427.70	417.79	410.20	403.54	403.54
G 26.0	498.22	497.15	494.07	489.08	482.31	473.96	464.55	453.27	442.01	430.36	418.74	410.24	403.19	403.19
G 27.0	506.92	505.78	502.38	497.11	489.76	480.70	470.22	458.29	446.18	433.30	420.36	410.57	402.57	402.57
G 28.0	515.58	514.42	510.82	505.34	497.36	487.70	476.27	463.61	450.47	436.46	422.38	411.10	401.95	401.95
G 29.0	524.13	522.96	519.37	513.59	505.06	495.00	482.71	469.18	454.55	439.75	424.52	411.16	401.24	401.24
G 30.0	532.59	531.42	527.91	521.75	512.88	502.44	489.34	474.98	458.64	443.00	426.88	411.59	399.92	399.92
G 31.0	541.04	539.81	536.22	529.73	520.75	509.70	495.98	480.98	462.76	446.24	429.19	412.55	398.67	398.67
G 32.0	549.61	548.31	544.42	537.66	528.46	516.68	502.52	486.75	467.22	449.45	431.45	413.45	397.81	397.81
G 33.0	558.48	557.09	552.84	545.74	536.13	523.79	508.93	492.17	472.46	452.91	433.85	414.38	396.93	396.93
G 34.0	567.83	566.34	561.72	554.16	543.98	531.09	515.42	497.75	477.97	457.04	436.65	415.47	396.38	396.38
G 35.0	577.88	576.21	571.22	563.07	552.18	538.76	522.30	503.64	483.21	461.22	439.46	416.39	396.16	396.16
G 36.0	588.84	586.89	581.46	572.65	560.91	547.00	529.62	509.78	488.15	465.07	442.09	417.14	395.67	395.67
G 37.0	601.01	598.73	592.73	583.13	570.32	555.87	537.06	516.02	493.22	468.83	444.48	417.91	395.03	395.03
G 38.0	614.67	612.16	605.50	594.87	580.62	565.08	544.48	522.59	498.76	472.15	446.07	418.69	394.14	394.14
G 39.0	629.57	627.01	619.94	608.07	592.22	574.43	552.61	529.44	504.21	475.21	447.74	419.43	392.71	392.71
G 40.0	644.91	642.37	635.17	622.31	605.46	584.98	561.75	536.53	509.40	478.81	449.63	419.95	391.54	391.54
G 41.0	660.03	657.39	650.10	636.73	619.58	597.19	572.05	544.27	514.77	483.46	451.58	420.11	390.89	390.89
G 42.0	674.88	672.07	664.36	650.82	633.36	610.45	583.53	552.99	520.70	487.61	453.38	420.67	390.30	390.30
G 43.0	689.50	686.58	678.36	664.67	646.26	623.68	595.78	562.42	527.10	491.32	455.93	421.68	389.79	389.79
G 44.0	701.85	699.30	691.66	678.39	659.00	636.30	607.55	572.20	533.77	495.56	459.10	422.83	389.28	389.28
G 45.0	707.86	706.17	700.70	690.12	672.02	648.64	618.72	581.83	540.64	500.74	461.82	423.47	388.57	388.57
G 46.0	705.86	704.76	701.64	695.74	682.56	660.59	629.66	591.20	548.07	506.16	464.43	424.20	387.83	387.83
G 47.0	704.12	702.43	698.33	693.36	686.23	670.02	640.55	600.43	556.49	512.04	468.33	425.97	387.34	387.34
G 48.0	712.79	709.63	701.16	690.98	682.94	673.11	649.64	609.59	564.92	518.57	472.77	428.83	387.07	387.07
G 49.0	727.32	724.30	714.68	698.49	681.55	669.32	653.22	617.89	572.75	525.50	476.62	430.95	387.09	387.09
G 50.0	728.45	725.65	717.26	711.22	689.93	666.73	649.35	622.71	579.90	532.15	480.82	432.62	388.00	388.00
G 51.0	702.85	704.64	708.77	710.30	691.76	673.28	644.18	621.59	586.72	537.57	486.19	434.44	389.32	389.32
G 52.0	663.40	665.63	672.63	683.23	690.86	673.58	646.79	617.38	589.99	541.82	491.32	437.14	389.16	389.16
G 53.0	629.05	629.86	633.78	643.32	658.70	671.10	646.76	614.04	585.83	546.14	494.15	439.79	388.09	388.09
G 54.0	607.49	606.89	606.78	609.19	618.67	638.07	648.14	613.01	576.96	549.02	495.36	441.68	387.66	387.66
G 55.0	595.13	593.60	590.71	587.62	587.49	597.27	617.45	610.55	571.73	544.65	497.25	442.37	388.07	388.07
G 56.0	587.40	585.59	581.39	574.94	567.85	565.43	574.89	596.07	567.75	533.44	498.79	442.02	388.56	388.56
G 57.0	577.60	576.39	572.99	566.55	556.19	544.99	539.00	556.72	562.74	524.39	496.08	441.39	388.27	388.27
G 58.0	558.73	558.86	558.46	555.74	547.51	532.10	515.56	515.96	538.45	517.83	486.85	440.78	384.91	384.91
G 59.0	527.98	529.50	532.62	535.68	534.51	521.63	500.41	487.17	497.10	513.25	474.35	439.51	380.19	380.19

Apparecchio		Rilievo		Lampada
Codice 3103871		Codice 3103871		Codice 3103871
Nome GUELL3 300 A50/W 830 GR		Nome GUELL3 300 A50/W 830 GR		Numero 1
Archivio Eulumat		Data 23-06-2017		Posizione

Flusso Apparecchio	34353.71 lm	Potenza Apparecchio	305.00 W	Efficacia	112.64 lm/W	Rendimento	100.02%
Flusso Lampade	34345.72 lm	Valore Massimo	728.45 cd/klm	Posizione	C=0.00 G=50.00	CG Simmetrico 0-180	

Tabella Intensità Luminose - cd/klm							Tabella 2/6						
	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	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98
G 1.0	226.72	225.14	223.48	221.73	219.89	217.99	216.02	213.99	211.94	209.87	207.82	205.80	203.83
G 2.0	234.61	231.65	228.54	225.25	221.74	218.00	213.99	209.75	205.34	200.82	196.25	191.69	187.21
G 3.0	242.40	237.89	233.33	228.58	223.51	217.99	211.86	205.23	198.20	190.89	183.42	175.93	168.54
G 4.0	250.87	244.30	238.03	231.78	225.20	217.95	209.63	200.43	190.53	180.13	169.47	158.75	148.20
G 5.0	260.82	251.29	242.85	234.94	226.86	217.86	207.33	195.40	182.41	168.69	154.62	140.52	126.76
G 6.0	272.92	259.15	247.82	237.94	228.34	217.71	204.87	190.09	173.84	156.66	139.06	121.67	105.44
G 7.0	287.58	268.38	253.22	240.99	229.78	217.50	202.34	184.57	164.93	144.15	123.11	103.23	85.95
G 8.0	304.15	279.41	259.29	244.14	231.19	217.26	199.71	178.84	155.68	131.28	107.36	86.31	69.97
G 9.0	321.50	291.97	266.20	247.46	232.57	217.01	196.98	172.89	146.10	118.26	92.48	72.03	59.20
G 10.0	338.62	305.54	274.14	251.02	233.95	216.72	194.19	166.76	136.29	105.51	79.21	61.57	54.11
G 11.0	354.49	319.48	282.93	254.68	235.18	216.39	191.28	160.46	126.32	93.40	68.25	55.63	53.16
G 12.0	367.88	333.17	292.42	258.64	236.41	216.01	188.31	154.00	116.36	82.32	60.32	53.38	54.59
G 13.0	378.44	346.23	302.47	263.00	237.61	215.52	185.22	147.40	106.58	72.66	55.67	53.65	56.65
G 14.0	386.42	357.94	312.77	267.82	238.79	214.96	182.00	140.65	97.14	64.83	53.67	55.25	57.97
G 15.0	392.06	367.78	323.10	273.17	240.04	214.35	178.75	133.81	88.23	59.22	53.58	56.97	58.64
G 16.0	395.94	375.71	333.05	278.71	241.13	213.75	175.39	126.82	80.00	55.74	54.69	58.05	59.00
G 17.0	398.32	381.66	342.36	284.55	242.25	213.13	171.98	119.80	72.64	54.02	56.21	58.64	59.40
G 18.0	399.53	386.10	350.93	290.73	243.44	212.51	168.51	112.83	66.40	53.66	57.44	58.96	60.16
G 19.0	400.04	389.18	358.38	297.17	244.72	211.84	164.98	106.00	61.47	54.24	58.20	59.28	61.27
G 20.0	399.84	391.07	364.59	303.74	246.09	211.02	161.41	99.32	57.92	55.34	58.63	59.83	62.63
G 21.0	399.12	392.07	369.58	310.13	247.21	210.03	157.59	92.81	55.59	56.53	58.89	60.66	64.14
G 22.0	398.20	392.23	373.30	316.37	248.41	208.98	153.72	86.59	54.32	57.40	59.14	61.71	65.71
G 23.0	397.32	391.81	376.06	322.49	249.79	208.06	149.81	80.75	53.88	57.95	59.51	62.93	67.27
G 24.0	396.67	391.02	377.88	328.30	251.37	207.24	145.86	75.33	54.06	58.28	60.11	64.24	68.82
G 25.0	396.20	389.72	378.93	333.75	253.09	206.32	141.86	70.44	54.65	58.46	60.91	65.59	70.28
G 26.0	395.23	388.17	379.31	338.63	254.69	205.16	137.89	66.18	55.45	58.61	61.84	66.95	71.61
G 27.0	394.28	386.34	378.74	342.86	256.45	203.84	133.89	62.62	56.22	58.82	62.88	68.28	72.82
G 28.0	393.37	384.22	377.60	346.35	258.10	202.49	129.73	59.77	56.80	59.16	63.98	69.54	73.92
G 29.0	392.40	382.47	375.76	347.30	259.36	201.12	125.32	57.63	57.18	59.66	65.08	70.72	74.87
G 30.0	391.13	380.77	373.43	347.79	260.62	199.59	120.92	56.09	57.40	60.26	66.18	71.79	75.70
G 31.0	389.16	378.80	370.92	348.01	261.95	197.82	116.62	55.05	57.52	60.95	67.26	72.76	76.40
G 32.0	386.51	376.66	367.19	347.66	263.42	195.88	112.34	54.42	57.60	61.70	68.30	73.65	76.89
G 33.0	383.94	374.01	363.42	346.53	264.73	193.89	107.98	54.18	57.68	62.54	69.29	74.37	77.19
G 34.0	381.22	371.16	359.88	345.16	265.65	191.87	103.48	54.29	57.80	63.40	70.19	74.97	77.32
G 35.0	378.11	368.14	356.41	343.40	266.64	189.81	99.08	54.58	58.01	64.25	70.99	75.44	77.28
G 36.0	374.99	364.19	353.07	341.14	267.36	187.65	94.94	54.95	58.32	65.06	71.73	75.75	77.09
G 37.0	372.73	359.86	349.39	338.42	267.90	185.39	90.94	55.30	58.69	65.86	72.33	75.90	76.74
G 38.0	371.24	355.77	345.50	335.42	268.37	183.02	87.01	55.56	59.11	66.62	72.80	75.93	76.20
G 39.0	369.64	352.29	341.79	331.28	268.91	180.55	83.13	55.73	59.57	67.32	73.19	75.83	75.50
G 40.0	367.53	348.67	337.65	326.79	269.34	177.99	79.42	55.83	60.08	67.95	73.46	75.55	74.71
G 41.0	365.35	344.38	332.92	321.94	269.46	175.39	75.90	55.85	60.63	68.49	73.63	75.13	73.82
G 42.0	362.89	340.43	327.61	316.20	269.42	172.84	72.61	55.81	61.18	68.96	73.71	74.56	72.79
G 43.0	360.42	337.02	322.59	310.42	268.99	170.43	69.54	55.76	61.72	69.37	73.61	73.86	71.67
G 44.0	358.78	333.17	318.25	305.30	267.74	168.03	66.68	55.72	62.29	69.65	73.36	73.05	70.50
G 45.0	357.56	329.37	313.11	300.56	266.14	165.28	64.14	55.70	62.81	69.83	72.97	72.14	69.26
G 46.0	355.05	325.94	306.91	295.79	263.93	161.95	61.92	55.74	63.24	69.90	72.44	71.14	67.98
G 47.0	352.25	321.40	300.81	289.81	261.36	158.43	59.99	55.78	63.60	69.85	71.82	70.09	66.68
G 48.0	349.71	317.18	295.72	283.89	258.33	155.18	58.36	55.84	63.84	69.73	71.10	68.95	65.32
G 49.0	347.77	314.12	290.42	277.81	254.30	152.33	57.04	55.88	64.04	69.52	70.17	67.69	63.82
G 50.0	346.41	312.35	284.96	271.54	249.74	149.58	55.96	55.93	64.16	69.09	69.17	66.42	62.25
G 51.0	345.36	309.46	279.38	265.31	244.77	146.70	54.97	55.99	64.11	68.51	68.13	65.10	60.65
G 52.0	344.13	305.37	273.85	257.87	239.68	143.61	54.12	55.95	63.95	67.84	66.98	63.69	58.99
G 53.0	342.69	300.92	268.90	250.30	234.29	140.33	53.38	55.90	63.72	67.06	65.75	62.20	57.25
G 54.0	341.02	297.73	264.94	243.42	228.14	136.84	52.61	55.78	63.46	66.10	64.51	60.60	55.43
G 55.0	338.59	295.70	261.11	237.05	221.87	133.13	51.93	55.53	63.11	65.02	63.25	58.93	53.55
G 56.0	336.01	292.28	255.16	229.44	215.33	129.20	51.12	55.27	62.38	63.89	61.90	57.19	51.57
G 57.0	333.92	287.33	248.90	220.97	208.42	125.17	50.22	54.73	61.43	62.76	60.40	55.35	49.48
G 58.0	331.85	282.57	243.29	213.41	201.09	121.16	49.30	54.04	60.33	61.46	58.71	53.38	47.28
G 59.0	329.48	276.60	237.29	206.70	192.88	117.07	48.44	53.41	59.10	59.91	56.85	51.28	44.91
G 60.0	327.45	270.47	231.16	198.39	184.34	112.55	47.61	52.59	57.73	58.34	54.88	49.11	42.39
G 61.0	324.40	267.59	224.38	189.24	175.94	107.46	46.54	51.53	56.18	56.77	52.82	46.76	39.72
G 62.0	316.06	263.49	217.36	181.32	167.47	102.43	45.34	50.27	54.62	55.01	50.65	44.19	36.97
G 63.0	309.72	256.62	211.07	175.79	159.16	98.24	44.13	48.97	53.29	53.03	48.29	41.38	34.18
G 64.0	304.24	250.51	205.81	170.34	151.90	94.87	42.84	47.74	51.72	50.90	45.82	38.46	31.36
G 65.0	295.41	247.02	200.65	163.65	144.62	91.48	41.64	46.32	49.62	48.54	43.21	35.49	28.52
G 66.0	285.73	241.97	194.69	158.18	136.94	87.36	40.17	44.57	47.54	46.14	40.18	32.45	25.55
G 67.0	273.58	235.27	189.49	154.73	128.80	82.45	38.29	42.61	45.57	43.57	36.94	29.26	22.35
G 68.0	258.59	227.37	182.28	147.14	120.46	76.88	36.36	40.51	43.21	40.61	33.72	26.13	19.11
G 69.0	244.83	219.51	173.64	139.21	111.19	70.96	34.42	38.35	40.47	37.48	30.40	23.01	16.05
G 70.0	230.46	210.13	165.57	130.41	102.18	65.19	32.67	36.11	37.31	34.17	26.88	19.69	13.32
G 71.0	204.15	196.61	156.64	119.95	93.30	59.90	30.85	33.46	33.94	30.57	23.51	16.41	11.05
G 72.0	172.62	180.09	146.86	110.14	83.65	54.58	28.55	30.10	30.98	26.89	20.37	13.42	9.20

Apparecchio				Rilievo				Lampada			
Codice	3103871			Codice	3103871			Codice	3103871		
Nome	GUELL3 300 A50/W 830 GR			Nome	GUELL3 300 A50/W 830 GR			Numero	1		
Archivio	Eulumdat			Data	23-06-2017			Posizione			
Flusso Apparecchio	34353.71 lm			Potenza Apparecchio	305.00 W			Efficacia	112.64 lm/W		
Flusso Lampade	34345.72 lm			Valore Massimo	728.45 cd/klm			Posizione	C=0.00 G=50.00		
				Tabella Intensità Luminose - cd/klm				Tabella 3/6			
	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
G 0.0	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98	217.98
G 1.0	201.95	200.16	198.50	196.98	195.63	194.45	193.46	192.68	192.12	191.78	191.66
G 2.0	182.87	178.74	174.87	171.32	168.14	165.38	163.06	161.23	159.90	159.09	158.82
G 3.0	161.36	154.52	148.13	142.28	137.05	132.53	128.76	125.80	123.67	122.39	121.96
G 4.0	138.00	128.36	119.53	111.66	104.86	99.17	94.59	91.08	88.62	87.17	86.68
G 5.0	113.86	102.22	92.12	83.66	76.83	71.55	67.62	64.85	63.05	62.03	61.70
G 6.0	91.13	79.22	69.92	63.19	58.75	56.03	54.46	53.60	53.17	52.97	52.91
G 7.0	72.21	62.52	56.81	53.96	52.87	52.77	53.12	53.60	54.02	54.29	54.37
G 8.0	59.48	54.44	52.87	53.18	54.25	55.39	56.28	56.84	57.18	57.35	57.40
G 9.0	53.83	52.99	54.25	55.93	57.10	57.75	58.09	58.27	58.37	58.42	58.43
G 10.0	53.17	54.98	56.88	57.88	58.34	58.55	58.66	58.76	58.87	58.95	58.97
G 11.0	55.11	57.25	58.23	58.61	58.81	59.07	59.43	59.81	60.13	60.34	60.41
G 12.0	57.21	58.36	58.76	59.07	59.63	60.35	61.10	61.74	62.24	62.54	62.64
G 13.0	58.31	58.84	59.28	60.13	61.23	62.34	63.34	64.15	64.72	65.07	65.18
G 14.0	58.82	59.33	60.39	61.83	63.32	64.66	65.77	66.64	67.24	67.60	67.71
G 15.0	59.20	60.32	62.04	63.89	65.59	67.03	68.18	69.04	69.62	69.97	70.07
G 16.0	59.94	61.80	63.99	66.07	67.86	69.31	70.41	71.21	71.73	72.04	72.13
G 17.0	61.13	63.57	66.05	68.23	70.01	71.38	72.37	73.07	73.53	73.80	73.87
G 18.0	62.63	65.48	68.10	70.28	71.95	73.18	74.05	74.64	75.03	75.25	75.30
G 19.0	64.33	67.40	70.06	72.12	73.64	74.72	75.46	75.94	76.23	76.37	76.41
G 20.0	66.10	69.28	71.84	73.73	75.08	76.00	76.58	76.90	77.05	77.11	77.11
G 21.0	67.85	71.03	73.42	75.13	76.28	76.98	77.35	77.47	77.45	77.41	77.38
G 22.0	69.54	72.61	74.80	76.31	77.20	77.64	77.72	77.62	77.44	77.30	77.24
G 23.0	71.14	74.01	76.00	77.23	77.82	77.94	77.73	77.40	77.08	76.86	76.75
G 24.0	72.56	75.24	76.98	77.88	78.11	77.90	77.42	76.89	76.42	76.11	75.96
G 25.0	73.84	76.30	77.72	78.24	78.08	77.55	76.83	76.10	75.50	75.09	74.93
G 26.0	74.97	77.14	78.19	78.30	77.77	76.93	75.97	75.07	74.34	73.85	73.70
G 27.0	75.95	77.77	78.39	78.09	77.19	76.06	74.89	73.84	72.99	72.44	72.31
G 28.0	76.75	78.18	78.34	77.60	76.39	75.02	73.64	72.45	71.52	70.94	70.80
G 29.0	77.39	78.35	78.02	76.90	75.40	73.82	72.27	70.97	69.98	69.37	69.21
G 30.0	77.82	78.26	77.50	76.03	74.27	72.50	70.82	69.43	68.39	67.76	67.56
G 31.0	78.02	77.97	76.79	75.02	73.01	71.08	69.30	67.85	66.77	66.11	65.88
G 32.0	78.03	77.49	75.94	73.89	71.67	69.60	67.76	66.25	65.12	64.43	64.19
G 33.0	77.85	76.84	74.94	72.62	70.26	68.08	66.18	64.63	63.46	62.75	62.50
G 34.0	77.45	76.02	73.80	71.25	68.81	66.54	64.58	62.98	61.78	61.06	60.82
G 35.0	76.87	75.08	72.56	69.83	67.32	64.97	62.94	61.30	60.09	59.36	59.13
G 36.0	76.17	74.03	71.25	68.40	65.80	63.37	61.29	59.62	58.40	57.66	57.42
G 37.0	75.36	72.87	69.90	66.97	64.23	61.74	59.63	57.93	56.71	55.96	55.70
G 38.0	74.41	71.61	68.53	65.49	62.61	60.09	57.98	56.27	55.03	54.28	54.01
G 39.0	73.36	70.30	67.12	63.92	60.97	58.43	56.33	54.61	53.38	52.64	52.35
G 40.0	72.21	68.97	65.63	62.29	59.34	56.77	54.67	52.97	51.75	51.02	50.74
G 41.0	70.97	67.61	64.07	60.67	57.71	55.12	53.02	51.35	50.15	49.43	49.15
G 42.0	69.67	66.18	62.47	59.07	56.06	53.46	51.39	49.75	48.56	47.84	47.58
G 43.0	68.36	64.67	60.87	57.44	54.38	51.83	49.79	48.16	46.96	46.24	45.98
G 44.0	67.02	63.10	59.25	55.76	52.70	50.22	48.17	46.54	45.34	44.61	44.34
G 45.0	65.59	61.50	57.60	54.05	51.04	48.58	46.50	44.87	43.67	42.93	42.66
G 46.0	64.07	59.88	55.90	52.35	49.38	46.87	44.78	43.14	41.94	41.19	40.92
G 47.0	62.50	58.23	54.16	50.65	47.66	45.10	43.01	41.37	40.16	39.41	39.14
G 48.0	60.90	56.50	52.41	48.91	45.85	43.27	41.20	39.56	38.36	37.60	37.35
G 49.0	59.26	54.72	50.65	47.08	43.97	41.40	39.35	37.72	36.52	35.77	35.51
G 50.0	57.55	52.91	48.83	45.15	42.04	39.49	37.46	35.83	34.62	33.85	33.58
G 51.0	55.77	51.08	46.90	43.16	40.07	37.54	35.50	33.85	32.59	31.78	31.50
G 52.0	53.92	49.20	44.85	41.13	38.05	35.54	33.46	31.74	30.39	29.52	29.22
G 53.0	52.03	47.21	42.74	39.04	35.98	33.45	31.28	29.43	27.97	27.03	26.71
G 54.0	50.10	45.09	40.59	36.92	33.85	31.24	28.89	26.88	25.31	24.33	24.00
G 55.0	48.07	42.86	38.39	34.73	31.62	28.82	26.25	24.12	22.52	21.56	21.23
G 56.0	45.88	40.55	36.14	32.46	29.21	26.13	23.43	21.30	19.77	18.86	18.55
G 57.0	43.56	38.19	33.82	30.08	26.55	23.29	20.60	18.59	17.17	16.36	16.08
G 58.0	41.11	35.81	31.44	27.49	23.69	20.43	17.91	16.09	14.86	14.17	13.94
G 59.0	38.58	33.38	28.92	24.65	20.79	17.72	15.46	13.92	12.91	12.34	12.16
G 60.0	36.02	30.86	26.17	21.70	18.01	15.27	13.38	12.11	11.29	10.82	10.68
G 61.0	33.47	28.22	23.22	18.83	15.49	13.17	11.63	10.61	9.95	9.56	9.45
G 62.0	30.89	25.38	20.24	16.16	13.31	11.43	10.20	9.37	8.83	8.52	8.41
G 63.0	28.15	22.35	17.41	13.83	11.50	10.00	9.02	8.34	7.89	7.63	7.54
G 64.0	25.22	19.34	14.84	11.87	10.01	8.82	8.02	7.47	7.09	6.86	6.79
G 65.0	22.10	16.50	12.64	10.26	8.80	7.84	7.17	6.71	6.39	6.20	6.14
G 66.0	18.98	13.96	10.82	8.96	7.79	6.99	6.44	6.05	5.79	5.62	5.56
G 67.0	16.06	11.82	9.35	7.88	6.92	6.26	5.81	5.47	5.25	5.11	5.05
G 68.0	13.47	10.07	8.16	6.96	6.16	5.62	5.27	4.96	4.78	4.66	4.60
G 69.0	11.32	8.68	7.15	6.16	5.51	5.05	4.78	4.52	4.37	4.24	4.19
G 70.0	9.57	7.53	6.29	5.47	4.93	4.54	4.31	4.13	4.00	3.87	3.83
G 71.0	8.17	6.56	5.55	4.87	4.41	4.08	3.88	3.79	3.67	3.55	3.51
G 72.0	7.01	5.72	4.90	4.33	3.94	3.67	3.50	3.46	3.37	3.26	3.22

Apparecchio				Rilievo				Lampada							
Codice	3103871			Codice	3103871			Codice	3103871						
Nome	GUELL3 300 A50/W 830 GR			Nome	GUELL3 300 A50/W 830 GR			Numero	1						
Archivio	Eulumdat			Data	23-06-2017			Posizione							
Flusso Apparecchio		34353.71 lm		Potenza Apparecchio		305.00 W		Efficacia		112.64 lm/W		Rendimento		100.02%	
Flusso Lampade		34345.72 lm		Valore Massimo		728.45 cd/klm		Posizione		C=0.00 G=50.00		CG Simmetrico 0-180			
Tabella Intensità Luminose - cd/klm														Tabella 4/6	
	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	43.81	44.88	47.56	51.39	55.45	59.77	64.18	69.24	78.87	101.97	128.18	144.87	159.88		
G 74.0	29.90	30.91	33.50	37.39	42.00	47.10	51.94	56.56	61.86	72.91	98.04	119.93	136.01		
G 75.0	18.54	19.31	21.32	24.49	28.73	33.99	39.64	45.02	49.91	55.17	69.51	94.96	111.70		
G 76.0	11.36	11.83	13.06	15.03	17.92	22.10	27.32	33.34	39.20	43.70	50.78	68.76	89.03		
G 77.0	7.41	7.66	8.33	9.41	11.06	13.57	17.05	22.00	28.31	34.11	39.42	47.96	67.17		
G 78.0	5.09	5.23	5.60	6.21	7.10	8.46	10.40	13.28	17.99	24.34	30.40	35.38	46.16		
G 79.0	3.50	3.59	3.82	4.18	4.70	5.45	6.53	8.08	10.62	15.09	21.54	26.88	31.38		
G 80.0	2.42	2.48	2.63	2.85	3.16	3.59	4.20	5.10	6.46	8.80	13.16	19.18	22.62		
G 81.0	1.65	1.69	1.79	1.94	2.14	2.41	2.77	3.27	4.06	5.33	7.53	11.42	15.90		
G 82.0	1.10	1.12	1.19	1.28	1.41	1.59	1.82	2.11	2.56	3.27	4.42	6.21	9.23		
G 83.0	0.69	0.70	0.74	0.80	0.88	1.00	1.14	1.33	1.60	1.99	2.59	3.48	4.69		
G 84.0	0.39	0.39	0.41	0.45	0.49	0.57	0.67	0.80	0.96	1.18	1.49	1.92	2.48		
G 85.0	0.20	0.20	0.21	0.22	0.24	0.29	0.35	0.43	0.53	0.65	0.80	1.02	1.33		
G 86.0	0.12	0.12	0.12	0.13	0.13	0.15	0.18	0.22	0.27	0.33	0.40	0.51	0.66		
G 87.0	0.10	0.10	0.10	0.10	0.10	0.11	0.12	0.14	0.16	0.17	0.20	0.25	0.32		
G 88.0	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.11	0.13	0.13	0.13	0.15	0.17		
G 89.0	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.09		
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		

Apparecchio					Rilievo					Lampada					
Codice	3103871				Codice	3103871				Codice	3103871				
Nome	GUELL3 300 A50/W 830 GR				Nome	GUELL3 300 A50/W 830 GR				Numero	1				
Archivio	Eulumdat				Data	23-06-2017				Posizione					
Flusso Apparecchio		34353.71 lm		Potenza Apparecchio		305.00 W		Efficacia		112.64 lm/W		Rendimento		100.02%	
Flusso Lampade		34345.72 lm		Valore Massimo		728.45 cd/klm		Posizione		C=0.00 G=50.00		CG Simmetrico 0-180			
Tabella Intensità Luminose - cd/klm										Tabella 5/6					
	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	153.57	163.69	135.47	99.02	75.97	48.60	26.10	26.51	27.78	23.29	16.99	10.88	7.74		
G 74.0	138.03	142.36	120.40	88.71	68.26	42.02	23.24	24.08	24.63	19.84	13.68	8.85	6.56		
G 75.0	120.13	117.18	105.28	76.33	56.57	35.68	20.12	21.49	21.28	16.57	10.89	7.30	5.57		
G 76.0	98.71	93.26	89.52	64.91	47.60	30.21	17.53	18.74	17.87	13.50	8.54	6.05	4.75		
G 77.0	78.24	76.81	74.22	58.30	41.43	25.33	15.15	15.27	14.69	10.63	6.79	5.01	4.03		
G 78.0	60.29	63.45	57.82	47.84	31.96	20.54	12.02	13.02	11.84	8.14	5.48	4.18	3.40		
G 79.0	42.51	48.03	43.04	38.99	25.93	15.77	10.33	10.54	9.36	6.27	4.35	3.44	2.86		
G 80.0	27.05	34.69	34.04	30.66	20.21	11.33	7.88	8.55	6.81	4.73	3.51	2.81	2.38		
G 81.0	17.66	23.95	23.72	21.20	14.99	7.53	5.75	6.21	5.23	3.58	2.78	2.30	1.97		
G 82.0	12.01	14.22	17.45	15.17	8.62	4.55	3.62	4.77	3.76	2.78	2.20	1.84	1.61		
G 83.0	7.05	8.94	10.51	9.78	6.27	2.54	2.78	3.41	2.70	2.09	1.73	1.45	1.29		
G 84.0	3.47	5.18	6.01	5.91	3.29	1.42	1.51	2.25	1.90	1.57	1.30	1.12	1.02		
G 85.0	1.79	2.45	3.16	2.96	1.64	0.87	0.86	1.50	1.33	1.11	0.94	0.82	0.77		
G 86.0	0.87	1.14	1.52	1.50	0.99	0.62	0.57	0.94	0.88	0.75	0.65	0.58	0.55		
G 87.0	0.40	0.53	0.70	0.71	0.50	0.49	0.37	0.56	0.54	0.47	0.42	0.38	0.36		
G 88.0	0.22	0.28	0.35	0.38	0.24	0.37	0.22	0.34	0.32	0.28	0.25	0.24	0.24		
G 89.0	0.11	0.14	0.23	0.32	0.19	0.20	0.14	0.24	0.17	0.14	0.13	0.12	0.12		
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		

Apparecchio				Rilievo				Lampada					
Codice	3103871			Codice	3103871			Codice	3103871				
Nome	GUELL3 300 A50/W 830 GR			Nome	GUELL3 300 A50/W 830 GR			Numero	1				
Archivio	Eulumdat			Data	23-06-2017			Posizione					
Flusso Apparecchio		34353.71 lm		Potenza Apparecchio		305.00 W		Efficacia		112.64 lm/W		Rendimento	100.02%
Flusso Lampade		34345.72 lm		Valore Massimo		728.45 cd/klm		Posizione		C=0.00 G=50.00		CG	Simmetrico 0-180
Tabella Intensità Luminose - cd/klm												Tabella 6/6	
	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		
G 73.0	6.04	5.01	4.33	3.84	3.52	3.31	3.17	3.16	3.07	2.99		2.95	
G 74.0	5.22	4.41	3.81	3.41	3.15	2.98	2.88	2.86	2.79	2.74		2.72	
G 75.0	4.53	3.89	3.35	3.03	2.82	2.69	2.61	2.57	2.53	2.50		2.50	
G 76.0	3.95	3.41	2.95	2.68	2.52	2.42	2.37	2.33	2.30	2.29		2.29	
G 77.0	3.41	2.93	2.59	2.37	2.24	2.18	2.14	2.11	2.11	2.10		2.10	
G 78.0	2.89	2.51	2.25	2.09	1.99	1.95	1.93	1.92	1.92	1.91		1.91	
G 79.0	2.44	2.15	1.96	1.84	1.77	1.74	1.73	1.73	1.74	1.73		1.73	
G 80.0	2.07	1.84	1.70	1.61	1.56	1.54	1.54	1.55	1.55	1.55		1.55	
G 81.0	1.73	1.56	1.46	1.39	1.36	1.35	1.35	1.36	1.37	1.38		1.38	
G 82.0	1.44	1.31	1.24	1.19	1.17	1.17	1.18	1.19	1.20	1.20		1.20	
G 83.0	1.18	1.09	1.04	1.01	1.00	1.00	1.01	1.02	1.03	1.03		1.03	
G 84.0	0.94	0.89	0.85	0.84	0.83	0.84	0.85	0.86	0.87	0.87		0.87	
G 85.0	0.74	0.70	0.69	0.68	0.68	0.69	0.70	0.70	0.71	0.72		0.72	
G 86.0	0.54	0.53	0.54	0.54	0.54	0.55	0.56	0.56	0.57	0.57		0.57	
G 87.0	0.37	0.38	0.40	0.40	0.40	0.41	0.42	0.42	0.43	0.43		0.43	
G 88.0	0.24	0.26	0.27	0.27	0.27	0.27	0.28	0.28	0.29	0.29		0.29	
G 89.0	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.14		0.14	
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	

Documento IPEA

Apparecchio

Dati Apparecchio

Produttore: SBP

Nome: GUELL3 300 A50/W 830 GR

Sorgente Luminosa: 3103871

Applicazione: Stradali (ME)

Operatore

Nome: AYO

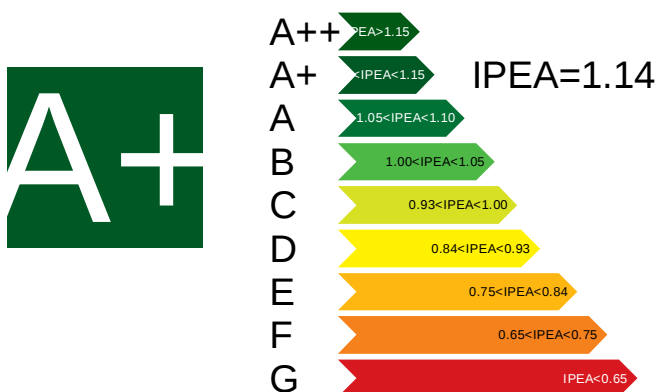
Società: SBP

Data: 23 / 06 / 2017

File : 3103871_3103871.LDT

Classificazione energetica

IPEA

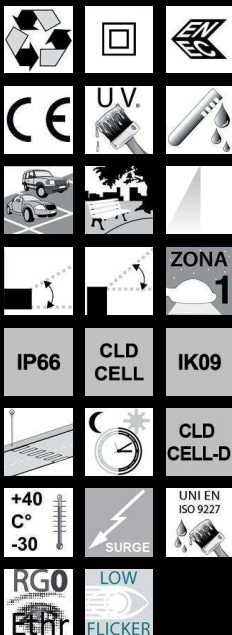


Altri Dati

Sorgente e codice	3103871	Caratteristiche sorgente	
Temp.Colore e CRI	Tc:3000 Ra:0	Ottica	
Allegati		Classificazione allegati	
PSU		Affidabilità	
Flusso sorgente	34345.7 lm	Potenza reale	
Flusso Totale	34353.7 lm	Vita sorgente	
LLMF		LSF	
Inquinamento Luminoso		Certificazione	
Prezzo		Garanzia	

ALLEGATO A2

**CURVE FOTOMETRICHE APPARECCHIO
DISANO MINISTELVIO**



Download

DXF 2D
- 3276.dxf

3DS

- disano_3276_ministelvio_24led.3ds
- disano_3276_ministelvio_36led.3ds
- disano_3276_ministelvio_48led.3ds

3DM

- disano_3276_ministelvio_48led.3dm
- disano_3276_ministelvio_24led.3dm
- disano_3276_ministelvio_36led.3dm

Montaggi

- bi-power config.pdf
- STELVIO-MINISTELVIO.pdf

BIM

- 3276 Mini Stelvio - asymmetric - 202.0022.4.zip



3276 Mini Stelvio - asimmetrico

Corpo e telaio: In alluminio pressofuso con una sezione a bassissima superficie di esposizione al vento. Alette di raffreddamento integrate nella copertura. Attacco palo: In alluminio pressofuso è provvisto di ganasce per il bloccaggio dell'armatura secondo diverse inclinazioni. Orientabile da 0° a 15° per applicazione a frusta; e da 0° a 10° per applicazione a testa palo. Passo di inclinazione 5°. Idoneo per pali di diametro 63-60mm. Diffusore: vetro trasparente sp. 4mm temperato resistente agli shock termici e agli urti (UNI-EN 12150-1 : 2001). Verniciatura: il ciclo di verniciatura standard a polvere è composto da una fase di pretrattamento superficiale del metallo e successiva verniciatura a mano singola con polvere poliestere, resistente alla corrosione, alle nebbie saline e stabilizzata ai raggi UV. Dotazione: Dispositivo di controllo della temperatura all'interno dell'apparecchio con ripristino automatico. Dispositivo di protezione conforme alla EN 61547 contro i fenomeni impulsivi atto a proteggere il modulo LED e il relativo alimentatore. Opera in due modalità: - modo differenziale: surge tra i conduttori di alimentazione, ovvero tra il conduttore di fase verso quello di neutro. - modo comune: surge tra i conduttori di alimentazione, L/N, verso la terra o il corpo dell'apparecchio se quest'ultimo è in classe II e se installato su palo metallico. A richiesta: protezione fino a 10KV. Equipaggiamento: Completo di connettore stagno IP67 per il collegamento alla linea. Sezionatore di serie in doppio isolamento che interrompe l'alimentazione elettrica all'apertura della copertura. Valvola anticondensa per il ricircolo dell'aria. A richiesta: Versione con protezione contro gli impulsi di tensione aumentata. Risparmio: la possibilità di scegliere la corrente di pilotaggio dei LED consente di disporre sempre della potenza adeguata ad una specifica condizione progettuale, semplificando anche l'approccio alle future problematiche di manutenzione ad aggiornamento. La scelta di una corrente più bassa aumenterà l'efficienza e quindi migliorerà il risparmio energetico, mentre una corrente maggiore di pilotaggio otterrà più luce e sarà possibile ridurre il numero degli apparecchi. Ottiche: Sistema a ottiche combinate realizzate in PMMA ad alto rendimento resistente alle alte temperature e ai raggi UV.

Tecnologia LED di ultima generazione Ta-30+40°C vita utile 80%: >100.000h (L80B10). Classificazione rischio fotobiologico: Gruppo di rischio esente Fattore di potenza >0,9

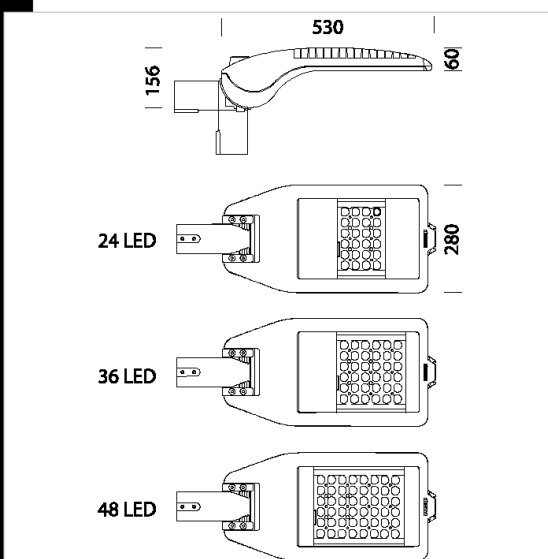
A richiesta sono disponibili con:

- alimentatori dimmerabili 1-10V, ordinabili con sottocodice 12
- alimentatori dimmerabili DIG, ordinabili con sottocodice 0041
- dispositivo mezzanotte virtuale ordinabili con sottocodice 30
- alimentatori onde convogliate, ordinabili con sottocodice 0078

- Verniciatura conforme alla norma UNI EN ISO 9227 Test di corrosione in atmosfera artificiale per ambienti aggressivi.

NORMATIVA: Prodotti in conformità alle norme EN60598 - CEI 34 - 21. Hanno grado di protezione secondo le norme EN60529.

Superficie di esposizione al vento: L:139cm² F:400cm².



Codice	Cablaggio	Kg	Lumen Output-K-CRI	WTot	Colore	Surge
330370-00	CLD CELL	7.56	LED-5502lm-700mA-4000K-CRI>70	51 W	ANTRACITE	6/8kV
330371-00	CLD CELL	7.88	LED-7718lm-700mA-4000K-CRI>70	76 W	ANTRACITE	6/8kV
330372-00	CLD CELL	7.64	LED-10326lm-700mA-4000K-CRI>70	101 W	ANTRACITE	6/8kV
330480-00	CLD CELL	7.58	LED-2991lm-350mA-4000K-CRI>70	24 W	ANTRACITE	6/8kV
330481-00	CLD CELL	7.92	LED-4488lm-350mA-4000K-CRI70	37 W	ANTRACITE	6/8kV
330482-00	CLD CELL	8.34	LED-5983lm-350mA-4000K-CRI>70	50 W	ANTRACITE	6/8kV
330483-00	CLD CELL	7.94	LED-4380lm-530mA-4000K-CRI>70	39 W	ANTRACITE	6/8kV
330484-00	CLD CELL	7.94	LED-6569lm-530mA-4000K-CRI>70	57 W	ANTRACITE	6/8kV
330485-00	CLD CELL	7.88	LED-8759lm-530mA-4000K-CRI>70	78 W	ANTRACITE	6/8kV
330370-39	CLD CELL	8.20	LED-5117lm-700mA-3000K-CRI>70	52 W	ANTRACITE	6/8kV
330371-39	CLD CELL	8.48	LED-7178lm-700mA-3000K-CRI>70	78 W	ANTRACITE	6/8kV
330372-39	CLD CELL	7.94	LED-9603lm-700mA-3000K-CRI>70	104 W	ANTRACITE	6/8kV
330480-39	CLD CELL	7.38	LED-2782lm-350mA-3000K-CRI>70	25 W	ANTRACITE	6/8kV
330481-39	CLD CELL	7.94	LED-4174lm-350mA-3000K-CRI>70	37 W	ANTRACITE	6/8kV
330482-39	CLD CELL	8.30	LED-5564lm-350mA-3000K-CRI>70	49 W	ANTRACITE	6/8kV
330483-39	CLD CELL	8.00	LED-4073lm-530mA-3000K-CRI>70	25 W	ANTRACITE	6/8kV
330484-39	CLD CELL	8.00	LED-6109lm-530mA-3000K-CRI>70	50 W	ANTRACITE	6/8kV
330485-39	CLD CELL	7.70	LED-8146lm-530mA-3000K-CRI>70	74 W	ANTRACITE	6/8kV

Accessori



- 504 - Braccio singolo



- 508 - Braccio doppio

Pali



- 1508 Palo rigato ø120 con base



- 1509 Palo rigato ø120



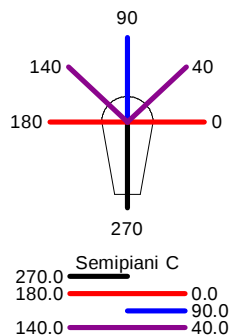
- 1491 Palo da interrare



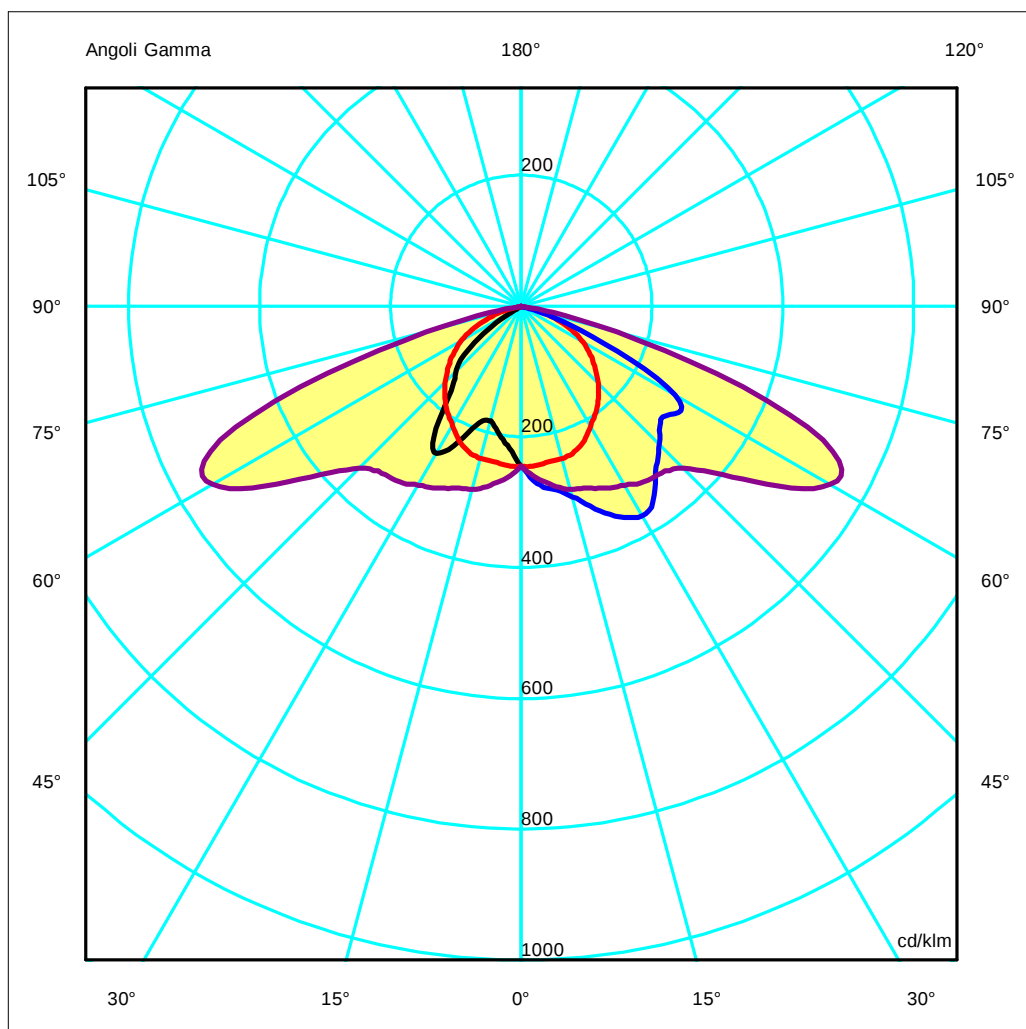
- 1481 palo conico in acciaio da interrare

Il flusso luminoso riportato indica il flusso uscente dall'apparecchio con una tolleranza di $\pm 10\%$ rispetto al valore indicato. I W tot sono la potenza totale assorbita dal sistema e non supera il 10% del valore indicato.

Apparecchio			Rilievo			Lampada	
Codice	3276 36 led 3000K CLD CELL		Codice	CT 0195		Codice	Lux_tx_3276_36_3k
Nome	3276 Mini Stelvio - asimmetrico		Nome	3276 Mini Stelvio - asimmetrico		Numero	1
Archivio	Eulumat		Data	22-07-2020		Posizione	
Flusso Apparecchio	7177.81 lm	Potenza Apparecchio	77.80 W	Efficacia	92.26 lm/W	Rendimento	100.00%
Flusso Lampade	7178.00 lm	Valore Massimo	553.00 cd/klm	Posizione	C=40.00 G=62.00	CG	Sim metrico 90-270
Apparecchio Rettangolare	Lung.	530 mm	Larg.	280 mm	Alt.	156 mm	
Area Luminosa Rettangolare	Lung.	254 mm	Larg.	150 mm	Alt.	0 mm	
Area Luminosa Orizzontale	0.038100 m ²		Area Luminosa Piano 180°	0.000000 m ²			
Area Luminosa Piano 0°	0.000000 m ²		Area Luminosa Piano 270°	0.000000 m ²			
Area Luminosa Piano 90°	0.000000 m ²		Area Luminosa a 76°	0.009217 m ²			
Sistema Coordinate	CG Strade		Tipo di Simmetria	Massimo Angolo Gamma		Simmetrico 90-270	
Data	22-07-2020		Flusso di rilievo	7178.00 lm		180	
Distanza di rilievo	0.00						
Operatore			Tensione di alimentazione [V]				
Temperatura	25.00 °C		Corrente di alimentazione [A]				
Umidità	60.00 %		Fotocellula				
Note							
Lampade Apparecchio							
Archivio	Codice	Nome	Flusso [lm]	Pot. [W]	Q.tà		
	Lux_tx_3276_36_3k	Lux_tx_3276_36_3k	7178.00	77.80	1		
C.I.E.	39 75 97 100 100	D DIN 5040	A20				



ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



Apparecchio			Rilievo			Lampada		
Codice	3276	36 led 3000K CLD CELL	Codice	CT0195		Codice	Lux_tx_3276_36_3k	
Nome	3276	Mini Stelvio - asimmetrico	Nome	3276	Mini Stelvio - asimmetrico	Numero	1	
Archivio	Eulumdat		Data	22-07-2020		Posizione		

Flusso Apparecchio	7177.81 lm	Potenza Apparecchio	77.80 W	Efficacia	92.26 lm/W	Rendimento	100.00%
Flusso Lampade	7178.00 lm	Valore Massimo	553.00 cd/klm	Posizione	C=40.00 G=62.00	CG	Sim metrico 90-270

Tabella Intensità Luminose - cd/klm								Tabella 1/9					
	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	C 325.00	C 330.00
G 0.0	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00
G 1.0	240.00	240.00	240.00	240.00	240.00	240.00	241.00	241.00	241.00	242.00	242.00	242.00	243.00
G 2.0	235.00	235.00	235.00	235.00	235.00	235.00	236.00	236.00	237.00	237.00	238.00	239.00	240.00
G 3.0	229.00	229.00	229.00	230.00	230.00	231.00	231.00	232.00	232.00	233.00	234.00	235.00	236.00
G 4.0	223.00	223.00	223.00	224.00	225.00	226.00	227.00	227.00	228.00	229.00	231.00	232.00	233.00
G 5.0	218.00	219.00	219.00	219.00	220.00	221.00	222.00	223.00	224.00	225.00	226.00	228.00	229.00
G 6.0	214.00	214.00	215.00	215.00	215.00	216.00	217.00	219.00	220.00	221.00	223.00	224.00	226.00
G 7.0	211.00	211.00	210.00	211.00	212.00	212.00	213.00	214.00	215.00	217.00	219.00	221.00	223.00
G 8.0	206.00	207.00	207.00	207.00	207.00	208.00	209.00	210.00	211.00	213.00	214.00	217.00	219.00
G 9.0	203.00	203.00	203.00	203.00	203.00	203.00	204.00	205.00	206.00	208.00	211.00	213.00	216.00
G 10.0	199.00	199.00	199.00	199.00	198.00	199.00	200.00	201.00	202.00	204.00	207.00	209.00	213.00
G 11.0	195.00	195.00	196.00	195.00	194.00	194.00	195.00	196.00	198.00	200.00	203.00	206.00	209.00
G 12.0	191.00	192.00	192.00	192.00	191.00	190.00	191.00	192.00	194.00	198.00	199.00	203.00	206.00
G 13.0	188.00	188.00	188.00	188.00	187.00	187.00	188.00	189.00	193.00	195.00	197.00	199.00	203.00
G 14.0	185.00	185.00	185.00	185.00	184.00	184.00	185.00	187.00	191.00	194.00	194.00	196.00	201.00
G 15.0	182.00	182.00	181.00	182.00	181.00	181.00	183.00	184.00	188.00	191.00	191.00	194.00	199.00
G 16.0	181.00	180.00	180.00	180.00	179.00	180.00	182.00	183.00	185.00	188.00	189.00	191.00	196.00
G 17.0	181.00	180.00	179.00	179.00	179.00	179.00	180.00	181.00	183.00	185.00	186.00	188.00	193.00
G 18.0	182.00	182.00	180.00	180.00	180.00	179.00	179.00	180.00	182.00	183.00	183.00	186.00	189.00
G 19.0	185.00	185.00	183.00	182.00	182.00	180.00	180.00	179.00	181.00	182.00	181.00	184.00	186.00
G 20.0	190.00	190.00	188.00	186.00	184.00	183.00	181.00	179.00	180.00	180.00	180.00	181.00	184.00
G 21.0	195.00	195.00	194.00	190.00	188.00	185.00	182.00	180.00	179.00	179.00	177.00	179.00	182.00
G 22.0	202.00	202.00	200.00	196.00	193.00	189.00	184.00	180.00	178.00	177.00	175.00	177.00	180.00
G 23.0	211.00	211.00	208.00	203.00	199.00	194.00	187.00	182.00	178.00	174.00	173.00	175.00	179.00
G 24.0	220.00	220.00	216.00	210.00	205.00	198.00	191.00	184.00	178.00	173.00	171.00	173.00	176.00
G 25.0	228.00	228.00	224.00	217.00	210.00	203.00	195.00	186.00	178.00	172.00	169.00	171.00	174.00
G 26.0	238.00	236.00	232.00	224.00	217.00	208.00	198.00	188.00	179.00	171.00	168.00	170.00	172.00
G 27.0	246.00	245.00	240.00	232.00	223.00	213.00	202.00	191.00	179.00	171.00	167.00	168.00	171.00
G 28.0	252.00	251.00	247.00	238.00	229.00	218.00	207.00	194.00	179.00	170.00	166.00	167.00	169.00
G 29.0	257.00	256.00	252.00	244.00	235.00	224.00	212.00	197.00	181.00	170.00	165.00	165.00	168.00
G 30.0	260.00	259.00	255.00	249.00	240.00	230.00	215.00	199.00	183.00	170.00	164.00	163.00	166.00
G 31.0	260.00	260.00	257.00	251.00	244.00	233.00	220.00	203.00	185.00	171.00	163.00	161.00	163.00
G 32.0	257.00	257.00	256.00	252.00	245.00	236.00	223.00	206.00	187.00	172.00	162.00	159.00	161.00
G 33.0	250.00	251.00	252.00	250.00	245.00	237.00	226.00	209.00	189.00	173.00	161.00	157.00	158.00
G 34.0	241.00	242.00	245.00	245.00	242.00	237.00	228.00	213.00	192.00	173.00	160.00	154.00	155.00
G 35.0	229.00	231.00	235.00	238.00	238.00	235.00	228.00	216.00	195.00	174.00	160.00	152.00	152.00
G 36.0	215.00	218.00	223.00	227.00	230.00	229.00	227.00	217.00	197.00	176.00	159.00	151.00	149.00
G 37.0	202.00	204.00	210.00	216.00	220.00	223.00	224.00	217.00	199.00	177.00	159.00	149.00	147.00
G 38.0	189.00	191.00	198.00	204.00	209.00	215.00	220.00	216.00	200.00	179.00	160.00	148.00	144.00
G 39.0	177.00	179.00	187.00	192.00	197.00	205.00	213.00	213.00	200.00	180.00	160.00	146.00	141.00
G 40.0	168.00	169.00	176.00	181.00	186.00	195.00	206.00	208.00	198.00	180.00	161.00	145.00	138.00
G 41.0	161.00	161.00	166.00	172.00	175.00	185.00	197.00	203.00	196.00	180.00	162.00	145.00	136.00
G 42.0	155.00	155.00	159.00	163.00	167.00	176.00	188.00	195.00	191.00	179.00	162.00	145.00	134.00
G 43.0	150.00	150.00	153.00	156.00	160.00	167.00	178.00	187.00	186.00	177.00	162.00	145.00	132.00
G 44.0	147.00	146.00	148.00	150.00	154.00	160.00	170.00	179.00	180.00	175.00	162.00	145.00	131.00
G 45.0	143.00	142.00	143.00	145.00	149.00	154.00	162.00	170.00	174.00	171.00	160.00	144.00	129.00
G 46.0	139.00	138.00	137.00	140.00	144.00	150.00	155.00	162.00	168.00	168.00	158.00	143.00	128.00
G 47.0	134.00	133.00	131.00	135.00	140.00	145.00	149.00	155.00	162.00	163.00	156.00	142.00	126.00
G 48.0	129.00	127.00	126.00	129.00	135.00	140.00	143.00	148.00	155.00	158.00	152.00	141.00	126.00
G 49.0	123.00	120.00	119.00	123.00	130.00	134.00	137.00	142.00	149.00	152.00	148.00	139.00	125.00
G 50.0	115.00	113.00	112.00	116.00	123.00	128.00	130.00	135.00	143.00	147.00	145.00	137.00	124.00
G 51.0	108.00	106.00	105.00	108.00	116.00	121.00	124.00	129.00	137.00	141.00	140.00	135.00	123.00
G 52.0	99.00	98.00	98.00	100.00	108.00	113.00	116.00	122.00	130.00	135.00	135.00	131.00	122.00
G 53.0	91.00	90.00	90.00	92.00	100.00	106.00	109.00	115.00	123.00	129.00	129.00	128.00	120.00
G 54.0	82.00	82.00	82.00	84.00	91.00	97.00	101.00	107.00	116.00	122.00	124.00	124.00	118.00
G 55.0	72.00	73.00	74.00	76.00	82.00	87.00	92.00	99.00	109.00	115.00	118.00	119.00	115.00
G 56.0	63.00	64.00	65.00	67.00	73.00	78.00	84.00	91.00	101.00	108.00	112.00	114.00	112.00
G 57.0	54.00	55.00	56.00	58.00	64.00	69.00	75.00	82.00	93.00	101.00	105.00	108.00	109.00
G 58.0	46.00	46.00	47.00	49.00	55.00	60.00	66.00	74.00	84.00	93.00	98.00	103.00	105.00
G 59.0	37.00	38.00	39.00	41.00	47.00	52.00	57.00	65.00	76.00	85.00	91.00	97.00	100.00
G 60.0	30.00	31.00	32.00	33.00	39.00	44.00	49.00	56.00	67.00	77.00	83.00	90.00	95.00
G 61.0	23.00	24.00	25.00	27.00	32.00	36.00	40.00	48.00	59.00	68.00	76.00	84.00	89.00
G 62.0	17.00	18.00	19.00	21.00	25.00	29.00	33.00	41.00	51.00	60.00	68.00	77.00	83.00
G 63.0	12.00	13.00	14.00	16.00	19.00	23.00	27.00	33.00	43.00	52.00	61.00	70.00	77.00
G 64.0	9.00	9.00	10.00	11.00	14.00	17.00	21.00	27.00	35.00	44.00	53.00	63.00	70.00
G 65.0	6.00	7.00	7.00	8.00	10.00	13.00	16.00	21.00	28.00	37.00	46.00	55.00	63.00
G 66.0	4.00	4.00	5.00	6.00	7.00	9.00	12.00	16.00	22.00	30.00	39.00	49.00	56.00
G 67.0	3.00	3.00	3.00	4.00	5.00	6.00	9.00	12.00	17.00	24.00	33.00	42.00	49.00
G 68.0	2.00	2.00	2.00	2.00	3.00	4.00	6.00	9.00	13.00	19.00	27.00	35.00	42.00
G 69.0	1.00	1.00	1.00	2.00	2.00	3.00	4.00	6.00	10.00	15.00	22.00	29.00	35.00
G 70.0	1.00	1.00	1.00	1.00	1.00	2.00	3.00	4.00	7.00	11.00	17.00	23.00	29.00
G 71.0	1.00	1.00	1.00	1.00	1.00	1.00	2.00	3.00	5.00	8.00	13.00	18.00	23.00
G 72.0	0.00	0.00	0.00	0.00	1.00	1.00	1.00	2.00	3.00	6.00	10.00	14.00	18.00

Apparecchio			Rilievo			Lampada		
Codice	3276	36 led 3000K CLD CELL	Codice	CT0195		Codice	Lux_tx_3276_36_3k	
Nome	3276 Mini	Stelvio - asimmetrico	Nome	3276 Mini Stelvio - asimmetrico		Numero	1	
Archivio	Eulumdat		Data	22-07-2020		Posizione		

Flusso Apparecchio	7177.81 lm	Potenza Apparecchio	77.80 W	Efficacia	92.26 lm/W	Rendimento	100.00%
Flusso Lampade	7178.00 lm	Valore Massimo	553.00 cd/klm	Posizione	C=40.00 G=62.00	CG	Sim metrico 90-270

Tabella Intensità Luminose - cd/klm								Tabella 2/9						
	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00	
G 0.0	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	
G 1.0	243.00	243.00	244.00	244.00	245.00	245.00	246.00	246.00	247.00	247.00	247.00	248.00	248.00	
G 2.0	241.00	241.00	243.00	244.00	245.00	246.00	247.00	248.00	248.00	249.00	250.00	251.00	252.00	
G 3.0	237.00	239.00	241.00	242.00	244.00	245.00	247.00	249.00	250.00	251.00	253.00	254.00	255.00	
G 4.0	234.00	236.00	238.00	240.00	243.00	245.00	247.00	250.00	251.00	253.00	255.00	257.00	258.00	
G 5.0	231.00	233.00	236.00	238.00	242.00	245.00	247.00	251.00	253.00	255.00	258.00	259.00	261.00	
G 6.0	228.00	230.00	233.00	237.00	241.00	244.00	248.00	252.00	255.00	258.00	260.00	263.00	265.00	
G 7.0	226.00	228.00	232.00	235.00	239.00	244.00	247.00	252.00	256.00	259.00	263.00	266.00	268.00	
G 8.0	223.00	226.00	230.00	234.00	239.00	243.00	247.00	252.00	256.00	261.00	264.00	268.00	271.00	
G 9.0	219.00	224.00	229.00	233.00	238.00	242.00	247.00	253.00	257.00	262.00	265.00	270.00	273.00	
G 10.0	217.00	222.00	227.00	233.00	237.00	242.00	247.00	252.00	258.00	263.00	267.00	272.00	276.00	
G 11.0	214.00	219.00	226.00	231.00	236.00	241.00	247.00	253.00	259.00	264.00	270.00	274.00	278.00	
G 12.0	211.00	217.00	223.00	229.00	235.00	241.00	248.00	254.00	260.00	266.00	272.00	276.00	280.00	
G 13.0	209.00	215.00	221.00	228.00	234.00	241.00	248.00	255.00	261.00	267.00	273.00	278.00	282.00	
G 14.0	206.00	212.00	219.00	226.00	234.00	241.00	248.00	255.00	262.00	268.00	273.00	278.00	284.00	
G 15.0	203.00	209.00	217.00	225.00	234.00	241.00	248.00	255.00	262.00	268.00	274.00	279.00	285.00	
G 16.0	201.00	207.00	214.00	223.00	233.00	241.00	247.00	254.00	261.00	268.00	275.00	279.00	286.00	
G 17.0	198.00	204.00	212.00	221.00	232.00	240.00	247.00	254.00	261.00	268.00	274.00	280.00	287.00	
G 18.0	195.00	202.00	210.00	220.00	230.00	240.00	247.00	254.00	261.00	267.00	274.00	280.00	288.00	
G 19.0	193.00	199.00	208.00	218.00	228.00	239.00	246.00	253.00	260.00	266.00	273.00	280.00	288.00	
G 20.0	189.00	197.00	206.00	216.00	226.00	237.00	245.00	253.00	260.00	266.00	273.00	280.00	288.00	
G 21.0	186.00	194.00	204.00	214.00	225.00	235.00	244.00	253.00	260.00	266.00	273.00	281.00	290.00	
G 22.0	184.00	192.00	201.00	211.00	222.00	234.00	244.00	254.00	260.00	267.00	274.00	281.00	291.00	
G 23.0	182.00	190.00	199.00	209.00	220.00	232.00	242.00	253.00	260.00	268.00	275.00	282.00	291.00	
G 24.0	180.00	188.00	196.00	205.00	218.00	229.00	241.00	253.00	260.00	268.00	276.00	283.00	293.00	
G 25.0	178.00	185.00	193.00	202.00	215.00	227.00	240.00	252.00	260.00	270.00	277.00	285.00	295.00	
G 26.0	176.00	183.00	190.00	199.00	211.00	224.00	237.00	251.00	261.00	270.00	279.00	287.00	297.00	
G 27.0	174.00	181.00	188.00	196.00	208.00	221.00	235.00	250.00	261.00	270.00	281.00	290.00	299.00	
G 28.0	173.00	179.00	185.00	192.00	205.00	218.00	232.00	249.00	261.00	271.00	283.00	292.00	302.00	
G 29.0	172.00	176.00	182.00	189.00	200.00	215.00	230.00	248.00	260.00	272.00	284.00	294.00	304.00	
G 30.0	170.00	174.00	178.00	186.00	196.00	212.00	227.00	246.00	260.00	273.00	285.00	295.00	305.00	
G 31.0	167.00	171.00	175.00	182.00	193.00	208.00	226.00	244.00	259.00	273.00	286.00	296.00	307.00	
G 32.0	164.00	168.00	172.00	178.00	189.00	205.00	224.00	243.00	259.00	273.00	286.00	297.00	309.00	
G 33.0	161.00	164.00	168.00	175.00	186.00	203.00	222.00	242.00	257.00	273.00	287.00	298.00	310.00	
G 34.0	157.00	161.00	165.00	172.00	183.00	200.00	220.00	239.00	256.00	272.00	286.00	299.00	312.00	
G 35.0	154.00	159.00	162.00	169.00	181.00	198.00	218.00	237.00	254.00	270.00	285.00	299.00	313.00	
G 36.0	151.00	155.00	159.00	166.00	178.00	195.00	215.00	235.00	252.00	269.00	285.00	300.00	313.00	
G 37.0	148.00	152.00	156.00	163.00	175.00	192.00	213.00	232.00	250.00	267.00	284.00	300.00	314.00	
G 38.0	145.00	148.00	153.00	161.00	172.00	189.00	210.00	230.00	248.00	266.00	283.00	300.00	314.00	
G 39.0	141.00	145.00	150.00	158.00	170.00	186.00	207.00	228.00	246.00	264.00	282.00	300.00	314.00	
G 40.0	138.00	141.00	148.00	156.00	167.00	183.00	204.00	224.00	242.00	262.00	280.00	299.00	315.00	
G 41.0	134.00	138.00	144.00	152.00	164.00	180.00	201.00	221.00	240.00	260.00	280.00	299.00	315.00	
G 42.0	131.00	134.00	141.00	149.00	160.00	176.00	197.00	218.00	238.00	258.00	278.00	298.00	316.00	
G 43.0	127.00	130.00	137.00	145.00	156.00	173.00	194.00	216.00	237.00	256.00	276.00	297.00	319.00	
G 44.0	124.00	125.00	133.00	141.00	152.00	170.00	191.00	214.00	235.00	254.00	275.00	298.00	322.00	
G 45.0	120.00	121.00	129.00	137.00	149.00	166.00	188.00	211.00	233.00	253.00	274.00	299.00	325.00	
G 46.0	117.00	117.00	124.00	133.00	145.00	162.00	185.00	209.00	231.00	252.00	273.00	300.00	330.00	
G 47.0	114.00	114.00	120.00	129.00	141.00	158.00	182.00	207.00	229.00	252.00	274.00	302.00	335.00	
G 48.0	112.00	111.00	116.00	125.00	138.00	155.00	179.00	204.00	227.00	251.00	273.00	304.00	342.00	
G 49.0	111.00	108.00	112.00	122.00	134.00	151.00	176.00	201.00	225.00	249.00	274.00	309.00	352.00	
G 50.0	110.00	105.00	109.00	119.00	130.00	148.00	172.00	198.00	223.00	248.00	277.00	315.00	362.00	
G 51.0	109.00	103.00	106.00	115.00	126.00	144.00	168.00	194.00	220.00	247.00	280.00	323.00	374.00	
G 52.0	109.00	102.00	102.00	112.00	123.00	140.00	164.00	190.00	217.00	245.00	283.00	332.00	389.00	
G 53.0	109.00	100.00	99.00	108.00	119.00	137.00	160.00	186.00	213.00	244.00	287.00	343.00	404.00	
G 54.0	108.00	99.00	96.00	104.00	116.00	133.00	156.00	182.00	209.00	243.00	293.00	355.00	422.00	
G 55.0	108.00	98.00	93.00	100.00	112.00	128.00	152.00	178.00	206.00	243.00	300.00	370.00	439.00	
G 56.0	106.00	96.00	90.00	109.00	124.00	148.00	174.00	203.00	244.00	280.00	308.00	385.00	457.00	
G 57.0	105.00	95.00	87.00	104.00	121.00	145.00	171.00	200.00	247.00	319.00	401.00	475.00		
G 58.0	102.00	93.00	85.00	89.00	100.00	117.00	141.00	168.00	199.00	251.00	331.00	419.00	491.00	
G 59.0	99.00	91.00	82.00	85.00	96.00	113.00	137.00	164.00	199.00	258.00	344.00	437.00	505.00	
G 60.0	96.00	89.00	80.00	82.00	92.00	109.00	134.00	161.00	199.00	264.00	358.00	455.00	519.00	
G 61.0	92.00	86.00	77.00	78.00	88.00	105.00	130.00	158.00	200.00	272.00	374.00	472.00	531.00	
G 62.0	87.00	83.00	75.00	74.00	83.00	100.00	126.00	155.00	202.00	281.00	389.00	486.00	539.00	
G 63.0	81.00	79.00	72.00	70.00	78.00	96.00	121.00	151.00	203.00	289.00	403.00	498.00	543.00	
G 64.0	75.00	74.00	69.00	66.00	73.00	90.00	116.00	147.00	204.00	297.00	413.00	505.00	542.00	
G 65.0	68.00	69.00	65.00	62.00	67.00	85.00	111.00	143.00	204.00	302.00	420.00	506.00	535.00	
G 66.0	61.00	63.00	61.00	58.00	62.00	79.00	105.00	139.00	203.00	303.00	420.00	499.00	521.00	
G 67.0	54.00	58.00	57.00	55.00	57.00	74.00	100.00	134.00	200.00	302.00	415.00	486.00	499.00	
G 68.0	47.00	52.00	53.00	51.00	53.00	69.00	94.00	129.00	197.00	299.00	405.00	466.00	471.00	
G 69.0														

Apparecchio				Rilievo				Lampada					
Codice	3276 36 led 3000K CLD CELL			Codice	CT0195			Codice	Lux_tx_3276_36_3k				
Nome	3276 Mini Stelvio - asimmetrico			Nome	3276 Mini Stelvio - asimmetrico			Numero	1				
Archivio	Eulumdat			Data	22-07-2020			Posizione					
Flusso Apparecchio	7177.81 lm			Potenza Apparecchio	77.80 W			Efficacia	92.26 lm/W		Rendimento		100.00%
Flusso Lampade	7178.00 lm			Valore Massimo	553.00 cd/klm			Posizione	C=40.00 G=62.00		CG Sim metrico 90-270		
Tabella Intensità Luminose - cd/klm													
Tabella 3/9													
	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00		
G 0.0	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	245.00	
G 1.0	249.00	249.00	249.00	249.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	250.00	
G 2.0	253.00	253.00	254.00	254.00	255.00	255.00	255.00	255.00	256.00	256.00	256.00	256.00	
G 3.0	256.00	257.00	258.00	259.00	259.00	260.00	260.00	261.00	262.00	262.00	262.00	262.00	
G 4.0	260.00	261.00	261.00	263.00	264.00	265.00	265.00	266.00	267.00	267.00	267.00	267.00	
G 5.0	263.00	265.00	265.00	267.00	268.00	269.00	270.00	271.00	271.00	272.00	272.00	272.00	
G 6.0	267.00	268.00	269.00	270.00	271.00	272.00	273.00	274.00	275.00	275.00	275.00	275.00	
G 7.0	269.00	270.00	272.00	273.00	274.00	276.00	277.00	277.00	278.00	278.00	279.00	279.00	
G 8.0	272.00	273.00	274.00	276.00	279.00	279.00	280.00	281.00	281.00	281.00	281.00	281.00	
G 9.0	275.00	277.00	278.00	280.00	282.00	283.00	283.00	283.00	283.00	282.00	283.00	283.00	
G 10.0	278.00	281.00	282.00	283.00	284.00	286.00	286.00	285.00	284.00	284.00	284.00	284.00	
G 11.0	281.00	283.00	284.00	285.00	286.00	288.00	288.00	288.00	287.00	286.00	286.00	286.00	
G 12.0	283.00	287.00	287.00	288.00	289.00	290.00	291.00	291.00	290.00	289.00	289.00	289.00	
G 13.0	286.00	288.00	290.00	290.00	292.00	293.00	292.00	293.00	293.00	294.00	293.00	293.00	
G 14.0	289.00	291.00	292.00	293.00	294.00	295.00	296.00	295.00	296.00	298.00	298.00	298.00	
G 15.0	290.00	293.00	294.00	296.00	297.00	298.00	299.00	299.00	300.00	302.00	302.00	302.00	
G 16.0	291.00	294.00	297.00	298.00	299.00	302.00	303.00	303.00	303.00	305.00	306.00	306.00	
G 17.0	292.00	296.00	300.00	301.00	302.00	306.00	307.00	308.00	308.00	310.00	311.00	311.00	
G 18.0	293.00	298.00	302.00	304.00	305.00	309.00	312.00	312.00	313.00	315.00	318.00	318.00	
G 19.0	294.00	300.00	303.00	306.00	308.00	312.00	316.00	318.00	319.00	321.00	323.00	323.00	
G 20.0	296.00	302.00	305.00	309.00	311.00	315.00	320.00	323.00	325.00	327.00	330.00	330.00	
G 21.0	298.00	305.00	309.00	312.00	315.00	318.00	324.00	329.00	330.00	334.00	336.00	336.00	
G 22.0	301.00	308.00	311.00	315.00	318.00	322.00	329.00	333.00	336.00	339.00	341.00	341.00	
G 23.0	302.00	310.00	315.00	319.00	323.00	326.00	333.00	338.00	342.00	344.00	346.00	346.00	
G 24.0	304.00	312.00	317.00	323.00	327.00	330.00	337.00	343.00	347.00	349.00	351.00	351.00	
G 25.0	307.00	314.00	320.00	325.00	331.00	335.00	341.00	348.00	352.00	353.00	355.00	355.00	
G 26.0	309.00	317.00	324.00	329.00	334.00	339.00	345.00	352.00	357.00	358.00	359.00	359.00	
G 27.0	311.00	319.00	326.00	333.00	338.00	344.00	350.00	356.00	361.00	362.00	362.00	362.00	
G 28.0	313.00	322.00	328.00	336.00	342.00	350.00	355.00	360.00	364.00	365.00	366.00	366.00	
G 29.0	314.00	324.00	331.00	338.00	346.00	354.00	359.00	364.00	366.00	368.00	369.00	369.00	
G 30.0	316.00	326.00	334.00	341.00	350.00	359.00	363.00	366.00	368.00	369.00	370.00	370.00	
G 31.0	318.00	329.00	337.00	346.00	354.00	362.00	366.00	368.00	369.00	370.00	370.00	370.00	
G 32.0	321.00	332.00	341.00	351.00	360.00	364.00	367.00	368.00	368.00	368.00	368.00	368.00	
G 33.0	324.00	335.00	346.00	355.00	363.00	366.00	366.00	367.00	366.00	365.00	366.00	366.00	
G 34.0	326.00	338.00	350.00	359.00	366.00	367.00	364.00	363.00	362.00	361.00	360.00	360.00	
G 35.0	327.00	342.00	355.00	363.00	368.00	367.00	361.00	359.00	357.00	355.00	353.00	353.00	
G 36.0	329.00	346.00	359.00	367.00	368.00	365.00	358.00	353.00	352.00	349.00	347.00	347.00	
G 37.0	330.00	349.00	362.00	369.00	367.00	362.00	353.00	348.00	346.00	342.00	340.00	340.00	
G 38.0	331.00	351.00	365.00	370.00	366.00	358.00	348.00	342.00	339.00	334.00	332.00	332.00	
G 39.0	332.00	353.00	368.00	372.00	364.00	355.00	343.00	338.00	334.00	328.00	326.00	326.00	
G 40.0	333.00	355.00	370.00	374.00	363.00	352.00	340.00	334.00	329.00	323.00	320.00	320.00	
G 41.0	334.00	357.00	372.00	375.00	363.00	350.00	338.00	332.00	326.00	318.00	316.00	316.00	
G 42.0	338.00	359.00	374.00	376.00	364.00	350.00	339.00	332.00	324.00	315.00	312.00	312.00	
G 43.0	340.00	363.00	378.00	379.00	367.00	352.00	342.00	333.00	323.00	312.00	307.00	307.00	
G 44.0	344.00	367.00	382.00	382.00	371.00	356.00	345.00	335.00	322.00	309.00	302.00	302.00	
G 45.0	351.00	374.00	387.00	387.00	376.00	361.00	349.00	338.00	322.00	306.00	298.00	298.00	
G 46.0	358.00	381.00	393.00	392.00	382.00	369.00	355.00	342.00	323.00	303.00	294.00	294.00	
G 47.0	367.00	389.00	400.00	400.00	390.00	377.00	363.00	347.00	325.00	300.00	289.00	289.00	
G 48.0	376.00	397.00	408.00	408.00	399.00	385.00	369.00	352.00	326.00	297.00	284.00	284.00	
G 49.0	388.00	407.00	418.00	417.00	406.00	393.00	377.00	358.00	328.00	294.00	280.00	280.00	
G 50.0	401.00	419.00	427.00	426.00	416.00	402.00	384.00	364.00	331.00	292.00	277.00	277.00	
G 51.0	415.00	431.00	438.00	436.00	424.00	408.00	393.00	372.00	336.00	293.00	274.00	274.00	
G 52.0	430.00	445.00	451.00	447.00	433.00	415.00	402.00	381.00	343.00	296.00	274.00	274.00	
G 53.0	446.00	460.00	464.00	459.00	441.00	424.00	411.00	393.00	352.00	300.00	277.00	277.00	
G 54.0	463.00	474.00	478.00	470.00	449.00	432.00	422.00	406.00	362.00	305.00	281.00	281.00	
G 55.0	480.00	489.00	491.00	480.00	456.00	440.00	434.00	418.00	372.00	312.00	286.00	286.00	
G 56.0	497.00	504.00	503.00	487.00	461.00	447.00	444.00	431.00	381.00	317.00	289.00	289.00	
G 57.0	512.00	518.00	514.00	494.00	465.00	452.00	453.00	441.00	387.00	320.00	291.00	291.00	
G 58.0	526.00	531.00	521.00	497.00	465.00	454.00	458.00	447.00	390.00	318.00	289.00	289.00	
G 59.0	537.00	539.00	526.00	496.00	464.00	453.00	459.00	447.00	387.00	312.00	282.00	282.00	
G 60.0	545.00	544.00	527.00	492.00	459.00	449.00	455.00	441.00	376.00	300.00	271.00	271.00	
G 61.0	551.00	544.00	522.00	483.00	450.00	441.00	444.00	428.00	361.00	283.00	255.00	255.00	
G 62.0	553.00	539.00	512.00	469.00	435.00	426.00	427.00	408.00	339.00	261.00	235.00	235.00	
G 63.0	549.00	530.00	496.00	452.00	419.00	406.00	404.00	382.00	313.00	238.00	211.00	211.00	
G 64.0	540.00	514.00	475.00	429.00	395.00	381.00	375.00	351.00	285.00	212.00	186.00	186.00	
G 65.0	525.00	493.00	450.00	403.00	370.00	353.00	343.00	319.00	256.00	187.00	161.00	161.00	
G 66.0	504.00	466.00	419.00	373.00	340.00	322.00	309.00	284.00	226.00	162.00	138.00	138.00	
G 67.0	475.00	433.00	385.00	340.00	309.00	291.00	275.00	250.00	197.00	139.00	118.00	118.00	
G 68.0	442.00	396.00	348.00	306.00	276.00	258.00	241.00	218.00	171.00	118.00	99.00	99.00	
G 69.0	403.00	354.00	309.00	270.00	243.00	226.00	208.00	187.00	147.00	100.00	83.00	83.00	
G 70.0	360.00	312.00	270.00	235.00	211.00	195.00	177.00	157.00	123.00	84.00	68.00	68.00	
G 71.0	315.00	270.00	231.00	200.00	180.00	165.00	148.00	130.00	102.00	69.00	55.00	55.00	
G 72.0	270.00	228.00	194.00	168.00	151.00	137.00	123.00	106.00	82.00	55.00	44.00	44.00	

Apparecchio				Rilievo				Lampada			
Codice	3276 36 led 3000K CLD CELL			Codice	CT 0195			Codice	Lux_tx_3276_36_3k		
Nome	3276 Mini Stelvio - asimmetrico			Nome	3276 Mini Stelvio - asimmetrico			Numero	1		
Archivio	Eulumdat			Data	22-07-2020			Posizione			

Flusso Apparecchio	7177.81 lm	Potenza Apparecchio	77.80 W	Efficacia	92.26 lm/W	Rendimento	100.00%
Flusso Lampade	7178.00 lm	Valore Massimo	553.00 cd/klm	Posizione	C=40.00 G=62.00	CG	Sim metrico 90-270

Tabella Intensità Luminose - cd/klm							Tabella 4/9						
	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	C 325.00	C 330.00
G 73.0	0.00	0.00	0.00	0.00	1.00	1.00	1.00	1.00	2.00	4.00	7.00	11.00	14.00
G 74.0	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	2.00	3.00	6.00	8.00	11.00
G 75.0	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	2.00	4.00	6.00	8.00
G 76.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	3.00	5.00	6.00
G 77.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	3.00	5.00
G 78.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	3.00	3.00
G 79.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	2.00
G 80.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	2.00	2.00
G 81.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
G 82.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00
G 83.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00
G 84.0	0.00	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 85.0	0.00	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 86.0	0.00	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 87.0	0.00	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 88.0	0.00	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 89.0	0.00	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 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	3276	36 led 3000K CLD CELL	Codice	CT0195		Codice	Lux_tx_3276_36_3k	
Nome	3276	Mini Stelvio - asimmetrico	Nome	3276	Mini Stelvio - asimmetrico	Numero	1	
Archivio	Eulumdat		Data	22-07-2020		Posizione		

Flusso Apparecchio	7177.81 lm	Potenza Apparecchio	77.80 W	Efficacia	92.26 lm/W	Rendimento	100.00%
Flusso Lampade	7178.00 lm	Valore Massimo	553.00 cd/klm	Posizione	C=40.00 G=62.00	CG	Sim metrico 90-270

Tabella Intensità Luminose - cd/klm						Tabella 5/9							
	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00
G 73.0	18.00	24.00	31.00	32.00	31.00	43.00	69.00	111.00	176.00	251.00	298.00	299.00	267.00
G 74.0	14.00	20.00	26.00	28.00	28.00	38.00	64.00	107.00	170.00	235.00	271.00	262.00	227.00
G 75.0	11.00	16.00	22.00	24.00	24.00	34.00	60.00	101.00	161.00	216.00	242.00	226.00	189.00
G 76.0	9.00	12.00	18.00	20.00	21.00	30.00	54.00	94.00	149.00	197.00	213.00	192.00	155.00
G 77.0	6.00	9.00	14.00	16.00	17.00	25.00	48.00	86.00	133.00	174.00	183.00	161.00	125.00
G 78.0	5.00	7.00	10.00	13.00	14.00	21.00	42.00	75.00	116.00	149.00	154.00	131.00	99.00
G 79.0	3.00	5.00	8.00	10.00	11.00	17.00	35.00	64.00	98.00	123.00	125.00	105.00	76.00
G 80.0	2.00	3.00	5.00	7.00	8.00	13.00	29.00	53.00	80.00	99.00	99.00	81.00	57.00
G 81.0	2.00	2.00	4.00	5.00	6.00	10.00	23.00	42.00	62.00	76.00	75.00	61.00	41.00
G 82.0	1.00	1.00	2.00	4.00	5.00	8.00	17.00	32.00	47.00	56.00	55.00	43.00	28.00
G 83.0	1.00	1.00	2.00	3.00	3.00	5.00	13.00	23.00	33.00	39.00	38.00	30.00	18.00
G 84.0	0.00	0.00	1.00	2.00	2.00	4.00	9.00	16.00	22.00	26.00	25.00	19.00	11.00
G 85.0	0.00	0.00	1.00	1.00	1.00	2.00	6.00	10.00	14.00	16.00	15.00	12.00	7.00
G 86.0	0.00	0.00	0.00	1.00	1.00	1.00	4.00	7.00	9.00	10.00	9.00	7.00	4.00
G 87.0	0.00	0.00	0.00	0.00	0.00	1.00	2.00	4.00	5.00	6.00	5.00	4.00	2.00
G 88.0	0.00	0.00	0.00	0.00	0.00	0.00	1.00	2.00	3.00	3.00	3.00	2.00	1.00
G 89.0	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.00	1.00	2.00	1.00	1.00	0.00
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	3276 36 led 3000K CLD CELL			Codice	CT0195			Codice	Lux_tx_3276_36_3k				
Nome	3276 Mini Stelvio - asimmetrico			Nome	3276 Mini Stelvio - asimmetrico			Numero	1				
Archivio	Eulumdat			Data	22-07-2020			Posizione					
Flusso Apparecchio		7177.81 lm		Potenza Apparecchio		77.80 W		Efficacia		92.26 lm/W		Rendimento	100.00%
Flusso Lampade		7178.00 lm		Valore Massimo		553.00 cd/klm		Posizione		C=40.00 G=62.00		CG	Sim metrico 90-270
Tabella Intensità Luminose - cd/klm												Tabella 6/9	
	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00		
G 73.0	228.00	188.00	159.00	138.00	124.00	112.00	99.00	84.00	65.00	43.00	34.00		
G 74.0	188.00	152.00	128.00	110.00	100.00	89.00	78.00	65.00	49.00	32.00	26.00		
G 75.0	151.00	120.00	100.00	86.00	77.00	69.00	59.00	48.00	36.00	23.00	18.00		
G 76.0	119.00	92.00	76.00	66.00	58.00	52.00	43.00	34.00	25.00	16.00	13.00		
G 77.0	93.00	69.00	56.00	48.00	42.00	37.00	30.00	23.00	16.00	11.00	8.00		
G 78.0	70.00	50.00	40.00	33.00	29.00	25.00	20.00	15.00	10.00	6.00	5.00		
G 79.0	51.00	35.00	27.00	22.00	19.00	15.00	12.00	9.00	6.00	4.00	3.00		
G 80.0	36.00	24.00	18.00	14.00	11.00	9.00	7.00	5.00	3.00	2.00	1.00		
G 81.0	25.00	15.00	11.00	8.00	6.00	5.00	3.00	2.00	2.00	1.00	1.00		
G 82.0	16.00	9.00	6.00	4.00	3.00	2.00	2.00	1.00	1.00	1.00	0.00		
G 83.0	9.00	5.00	3.00	2.00	1.00	1.00	1.00	1.00	0.00	0.00	0.00		
G 84.0	5.00	3.00	2.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 85.0	3.00	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 86.0	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 87.0	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 88.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
G 89.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
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		
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		
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		
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		
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		
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		
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		
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		
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		
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		
G100.0	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		
G102.0	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		
G104.0	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		
G106.0	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		
G108.0	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		
G110.0	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		
G112.0	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		
G114.0	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		
G116.0	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		
G118.0	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		
G120.0	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		
G122.0	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		
G124.0	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		
G126.0	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		
G128.0	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		
G130.0	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		
G132.0	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		
G134.0	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		
G136.0	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		
G138.0	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		
G140.0	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		
G142.0	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		
G144.0	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		

Apparecchio				Rilievo				Lampada							
Codice	3276 36 led 3000K CLD CELL			Codice	CT0195			Codice	Lux_tx_3276_36_3k						
Nome	3276 Mini Stelvio - asimmetrico			Nome	3276 Mini Stelvio - asimmetrico			Numero	1						
Archivio	Eulumdat			Data	22-07-2020			Posizione							
Flusso Apparecchio		7177.81 lm		Potenza Apparecchio		77.80 W		Efficacia		92.26 lm/W		Rendimento		100.00%	
Flusso Lampade		7178.00 lm		Valore Massimo		553.00 cd/klm		Posizione		C=40.00 G=62.00		CG		Sim metrico 90-270	
Tabella Intensità Luminose - cd/klm														Tabella 7/9	
	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	C 325.00	C 330.00		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.00	0.00

Apparecchio					Rilievo					Lampada					
Codice	3276 36 led 3000K CLD CELL				Codice	CT0195				Codice	Lux_tx_3276_36_3k				
Nome	3276 Mini Stelvio - asimmetrico				Nome	3276 Mini Stelvio - asimmetrico				Numero	1				
Archivio	Eulumdat				Data	22-07-2020				Posizione					
Flusso Apparecchio		7177.81 lm		Potenza Apparecchio		77.80 W		Efficacia		92.26 lm/W		Rendimento		100.00%	
Flusso Lampade		7178.00 lm		Valore Massimo		553.00 cd/klm		Posizione		C=40.00 G=62.00		CG Sim metrico 90-270			
Tabella Intensità Luminose - cd/klm														Tabella 8/9	
	C 335.00	C 340.00	C 345.00	C 350.00	C 355.00	C 0.00	C 5.00	C 10.00	C 15.00	C 20.00	C 25.00	C 30.00	C 35.00		
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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0.00	0.00

Apparecchio				Rilievo				Lampada				
Codice	3276 36 led 3000K CLD CELL			Codice	CT0195			Codice	Lux_tx_3276_36_3k			
Nome	3276 Mini Stelvio - asimmetrico			Nome	3276 Mini Stelvio - asimmetrico			Numero	1			
Archivio	Eulumdat			Data	22-07-2020			Posizione				
Flusso Apparecchio	7177.81 lm			Potenza Apparecchio	77.80 W		Efficacia	92.26 lm/W		Rendimento		100.00%
Flusso Lampade	7178.00 lm			Valore Massimo	553.00 cd/klm		Posizione	C=40.00 G=62.00		CG Sim metrico 90-270		
Tabella Intensità Luminose - cd/klm												
Tabella 9/9												
	C 40.00	C 45.00	C 50.00	C 55.00	C 60.00	C 65.00	C 70.00	C 75.00	C 80.00	C 85.00	C 90.00	
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Documento IPEA

Apparecchio

Dati Apparecchio

Produttore: Disano Illuminazione SpA

Nome: 3276 Mini Stelvio - asimmetrico

Sorgente Luminosa: Lux_tx_3276_36_3k

Applicazione: Stradali (ME)

Operatore

Nome:

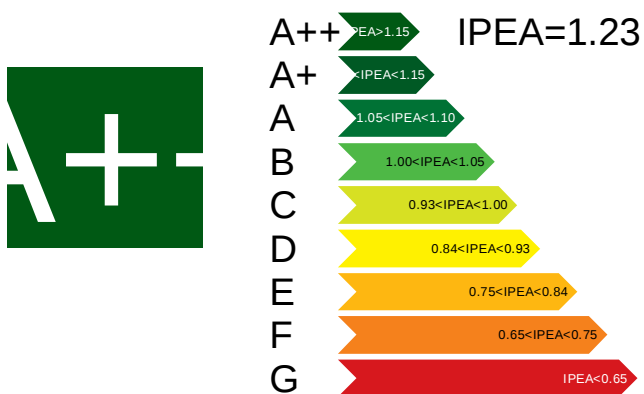
Società: Disano Illuminazione SpA

Data: 22 / 07 / 2020

File : 3276_36_led_3000K_CLD_CELL_330371-39.ltd

Classificazione energetica

IPEA



Altri Dati

Sorgente e codice	Lux_tx_3276_36_3k	Caratteristiche sorgente	
Temp.Colore e CRI	Tc:3000 Ra:70	Ottica	
Allegati		Classificazione allegati	
PSU		Affidabilità	
Flusso sorgente	7178.0 lm	Potenza reale	
Flusso Totale	7177.8 lm	Vita sorgente	
LLMF		LSF	
Inquinamento Luminoso		Certificazione	
Prezzo		Garanzia	

ALLEGATO B1

CALCOLI ILLUMINOTECNICI

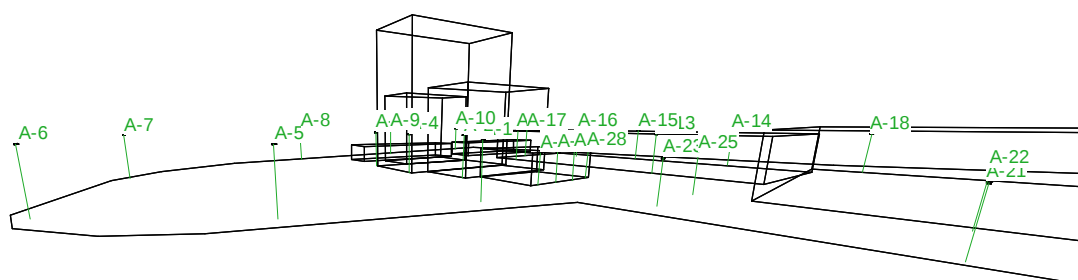
REGIME NORMALE

(valori di illuminazione e delle luminanze)

NATCOR S.r.l.

Note Installazione: AMPLIAMENTO SITO PRODUTTIVO DI
Cliente:
Codice Progetto:
Data 14/10/2020

Note



Lighting Designer:
Indirizzo:
Tel.-Fax

Avvertenze:

1.1 Informazioni Area

Superficie	Dimensioni [m]	Angolo°	Colore	Coefficiente Riflessione	Illum.Medio [lux]	Luminanza Media [cd/m²]
Suolo	272.00x230.00	Piano	RGB=205,153,95	10%	11	0.36

Dimensioni del Parallelepipedo Contenente l'Area [m]: 272.00x230.00x0.00
Reticolo Punti di Calcolo del Parallelepipedo [m]: direzione X 1.00 - Y 1.00

1.2 Calcolo Energetico (Suolo)

Area	37509.50 m²
Illuminamento Medio	11.21 lx
Potenza Specifica	0.15 W/m²
Potenza Specifica Illuminotecnica	1.33 W/(m² * 100lx)
Efficienza Energetica	75.33 (m²*lx)/W
Potenza Totale Utilizzata	5583.46 W

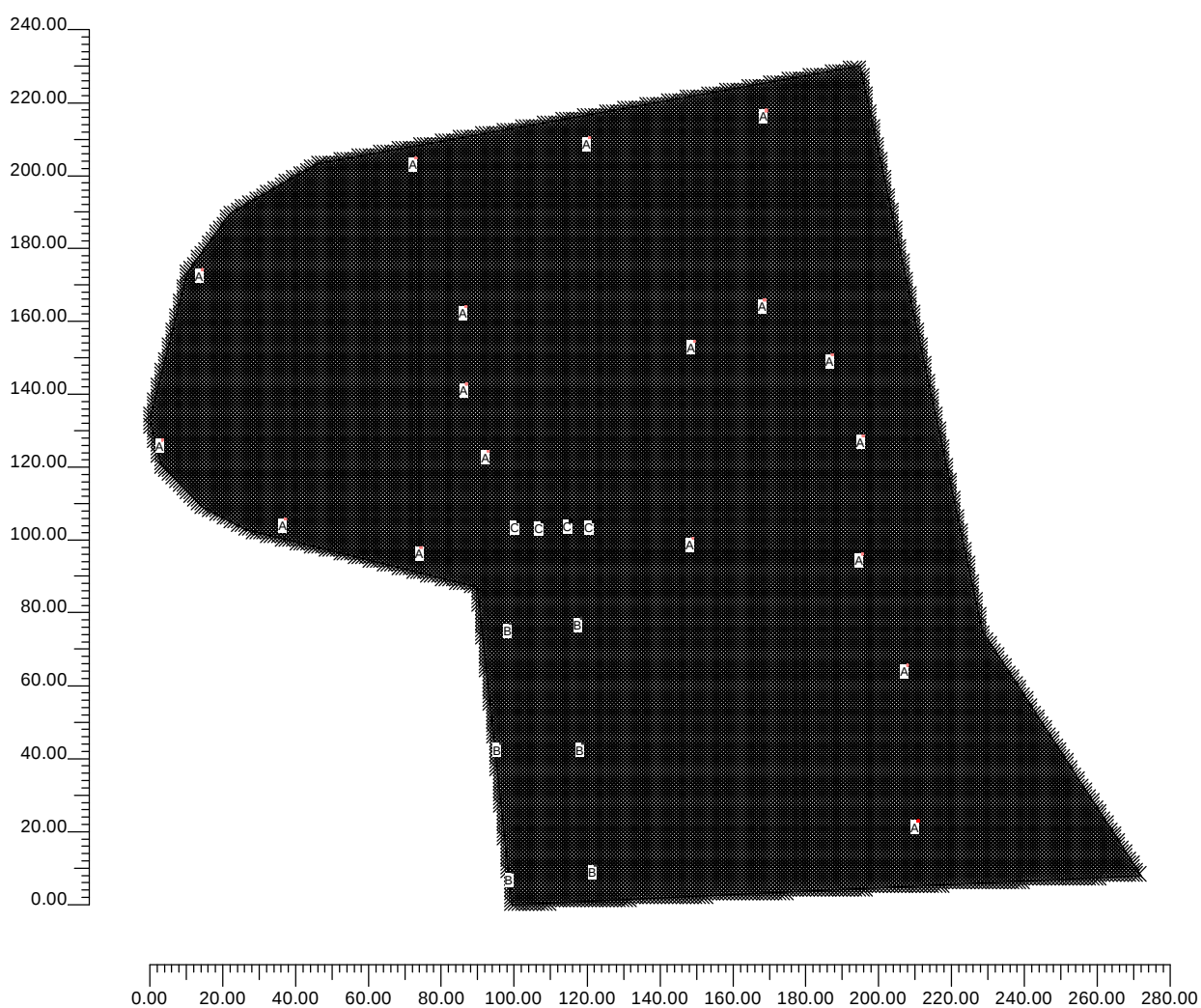
1.3 Parametri di Qualità dell'Impianto

Superficie	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
Piano di Lavoro (h=0.00 m)	Illuminamento Orizzontale (E)	11 lux	0 lux	77 lux	0.00	0.00	0.15
Suolo	Illuminamento Orizzontale (E)	11 lux	0 lux	77 lux	0.00	0.00	0.15
Suolo	Luminanza (L)	0.36 cd/m²	0.00 cd/m²	2.44 cd/m²	0.00	0.00	0.15

Tipo Calcolo Solo Dir.

2.1 Vista 2D Piano Lavoro e Griglia di Calcolo

Scala 1/2000



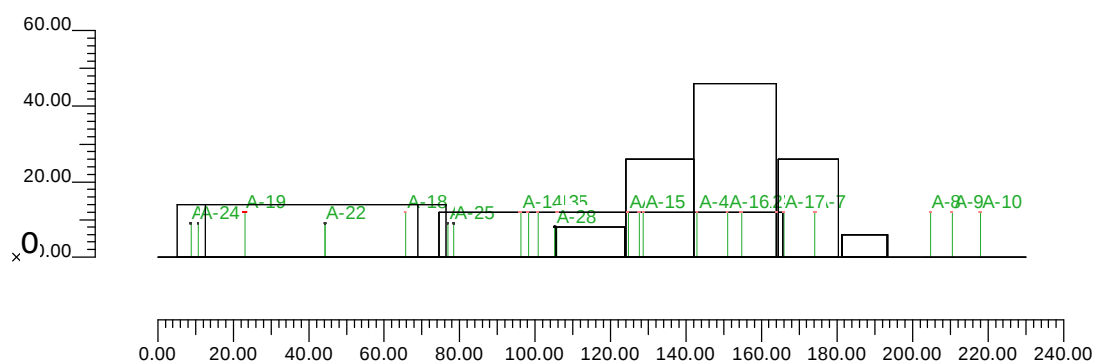
2.2 Vista 2D in Pianta

Scala 1/2000



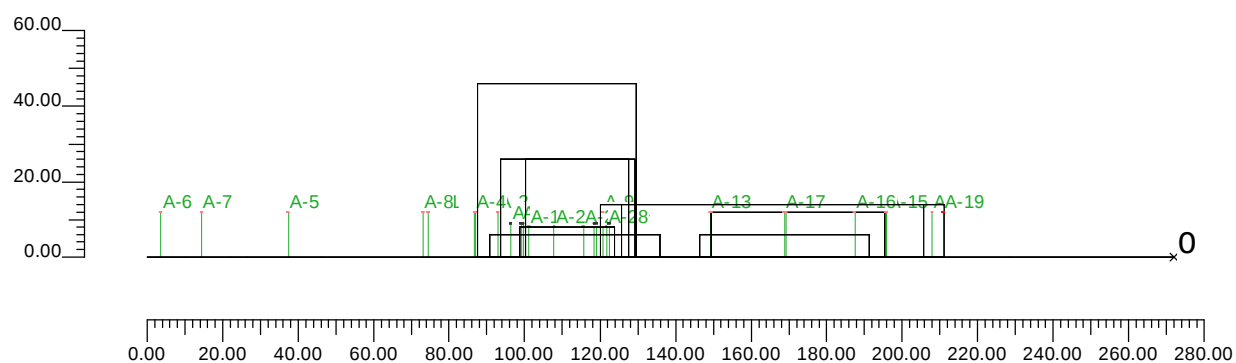
2.3 Vista Laterale

Scala 1/2000



2.4 Vista Frontale

Scala 1/2000



3.1 Informazioni Apparecchi/Rilievi

Rif.	Linea	Nome Apparecchio (Nome Rilievo)	Codice Apparecchio (Codice rilievo)	Apparecchi n.	Rif.Lamp.	Lampade n.
A	SBP	GUELL3 300 A50/W 830 GR (GUELL3 300 A50/W 830 GR)	3103871 (3103871)	18	LMP-A	1
B	DISANO	3276 Mini Stelvio - asimmetric (3276 Mini Stelvio - asimmetric)	3276 36 led 3000K CL (CT0195)	6	LMP-B	1
C	DISANO	1151 Indio - LED asimmetrico (1151 Indio - LED asimmetrico)	1151 48 led CLD CELL (CF1556)	4	LMP-C	1

3.2 Informazioni Lampade

Rif.Lamp.	Tipo	Codice	Flusso lm	Potenza W	Colore K	n.
LMP-A	LED34345	LED34345	34345	305	3000	18
LMP-B	LED7178	LED7178	7178	78	3000	6
LMP-C	ST LU100HO	LU100/100/HO/T/40	10000	100	2000	4

3.3 Tabella Riepilogativa Apparecchi

Rif.	App.	On	Posizione Apparecchi X[m] Y[m] Z[m]	Rotazione Apparecchi X° Y° Z°	Codice Apparecchio	Coeff. Mant.	Codice Lampada	Flusso lm
A	1	X	-197.40;135.54;12.00	0.0;0.0;90.0	3103871	0.80	LED34345	1*34345
	2	X	-178.99;161.93;12.00	0.0;0.0;180.0		0.80		
	3	X	-185.11;201.49;12.00	0.0;0.0;180.0		0.80		
	4	X	-184.93;180.26;12.00	0.0;0.0;180.0		0.80		
	5	X	-234.67;143.23;12.00	0.0;0.0;90.0		0.80		
	6	X	-268.40;164.98;12.00	0.0;0.0;25.0		0.80		
	7	X	-257.54;211.60;12.00	0.0;0.0;0.0		0.80		
	8	X	-199.04;242.23;12.00	0.0;0.0;-90.0		0.80		
	9	X	-151.21;247.94;12.00	0.0;0.0;-90.0		0.80		
	10	X	-102.80;255.39;12.00	0.0;0.0;-90.0		0.80		
	11	X	-122.55;192.01;12.00	0.0;0.0;180.0		0.80		
	12	X	-122.87;138.11;12.00	0.0;0.0;180.0		0.80		
	13	X	-76.22;133.65;12.00	0.0;0.0;0.0		0.80		
	14	X	-76.01;166.06;12.00	0.0;0.0;0.0		0.80		
	15	X	-84.49;188.33;12.00	0.0;0.0;0.0		0.80		
	16	X	-103.20;203.36;12.00	0.0;0.0;90.0		0.80		
	17	X	-63.94;103.13;12.00	0.0;0.0;0.0		0.80		
	18	X	-61.10;60.41;12.00	0.0;0.0;0.0		0.80		
B	1	X	-172.29;46.15;9.00	0.0;0.0;-90.0	3276 36 led 3000K CL	0.80	LED7178	1*7178
	2	X	-175.64;81.68;9.00	0.0;0.0;-90.0		0.80		
	3	X	-152.95;81.69;9.00	0.0;0.0;90.0		0.80		
	4	X	-172.84;114.38;9.00	0.0;0.0;-90.0		0.80		
	5	X	-149.61;48.23;9.00	0.0;0.0;90.0		0.80		
	6	X	-153.52;115.89;9.00	0.0;0.0;90.0		0.80		
C	1	X	-170.82;142.67;8.00	0.0;0.0;-90.0	1151 48 led CLD CELL	0.80	LU100/100/HO/T/40	1*10000
	2	X	-164.13;142.53;8.00	0.0;0.0;-90.0		0.80		
	3	X	-156.39;142.81;8.00	0.0;0.0;-90.0		0.80		
	4	X	-150.25;142.74;8.00	0.0;0.0;-90.0		0.80		

3.4 Tabella Riepilogativa Puntamenti

Struttura	Fila	Colonna	Rif. 2D	On	Posizione Apparecchi X[m] Y[m] Z[m]	Rotazione Apparecchi X° Y° Z°	Puntamenti X[m] Y[m] Z[m]	R.Asse °	Coeff. Mant.	Rif.
			A-1	X	-197.40;135.54;12.00	0.0;0.0;90.0	-197.40;135.54;0.00	90	0.80	A
			A-2	X	-178.99;161.93;12.00	0.0;0.0;180.0	-178.99;161.93;0.00	180	0.80	A
			A-3	X	-185.11;201.49;12.00	0.0;0.0;180.0	-185.11;201.49;0.00	180	0.80	A
			A-4	X	-184.93;180.26;12.00	0.0;0.0;180.0	-184.93;180.26;0.00	180	0.80	A
			A-5	X	-234.67;143.23;12.00	0.0;0.0;90.0	-234.67;143.23;0.00	90	0.80	A
			A-6	X	-268.40;164.98;12.00	0.0;0.0;25.0	-268.40;164.98;0.00	25	0.80	A
			A-7	X	-257.54;211.60;12.00	0.0;0.0;0.0	-257.54;211.60;0.00	0	0.80	A
			A-8	X	-199.04;242.23;12.00	0.0;0.0;-90.0	-199.04;242.23;0.00	-90	0.80	A
			A-9	X	-151.21;247.94;12.00	0.0;0.0;-90.0	-151.21;247.94;0.00	-90	0.80	A
			A-10	X	-102.80;255.39;12.00	0.0;0.0;-90.0	-102.80;255.39;0.00	-90	0.80	A
			A-12	X	-122.55;192.01;12.00	0.0;0.0;180.0	-122.55;192.01;0.00	180	0.80	A
			A-13	X	-122.87;138.11;12.00	0.0;0.0;180.0	-122.87;138.11;0.00	180	0.80	A
			A-14	X	-76.22;133.65;12.00	0.0;0.0;0.0	-76.22;133.65;0.00	0	0.80	A
			A-15	X	-76.01;166.06;12.00	0.0;0.0;0.0	-76.01;166.06;0.00	0	0.80	A
			A-16	X	-84.49;188.33;12.00	0.0;0.0;0.0	-84.49;188.33;0.00	0	0.80	A
			A-17	X	-103.20;203.36;12.00	0.0;0.0;90.0	-103.20;203.36;0.00	90	0.80	A
			A-18	X	-63.94;103.13;12.00	0.0;0.0;0.0	-63.94;103.13;0.00	0	0.80	A
			A-19	X	-61.10;60.41;12.00	0.0;0.0;0.0	-61.10;60.41;0.00	0	0.80	A
			A-20	X	-172.29;46.15;9.00	0.0;0.0;-90.0	-172.29;46.15;0.00	-90	0.80	B
			A-21	X	-175.64;81.68;9.00	0.0;0.0;-90.0	-175.64;81.68;0.00	-90	0.80	B
			A-22	X	-152.95;81.69;9.00	0.0;0.0;90.0	-152.95;81.69;0.00	90	0.80	B
			A-23	X	-172.84;114.38;9.00	0.0;0.0;-90.0	-172.84;114.38;0.00	-90	0.80	B
			A-24	X	-149.61;48.23;9.00	0.0;0.0;90.0	-149.61;48.23;0.00	90	0.80	B
			A-25	X	-153.52;115.89;9.00	0.0;0.0;90.0	-153.52;115.89;0.00	90	0.80	B
			A-11	X	-170.82;142.67;8.00	0.0;0.0;-90.0	-170.82;142.67;0.00	-90	0.80	C
			A-26	X	-164.13;142.53;8.00	0.0;0.0;-90.0	-164.13;142.53;0.00	-90	0.80	C
			A-27	X	-156.39;142.81;8.00	0.0;0.0;-90.0	-156.39;142.81;0.00	-90	0.80	C
			A-28	X	-150.25;142.74;8.00	0.0;0.0;-90.0	-150.25;142.74;0.00	-90	0.80	C

Valori di Illuminamento su: Suolo

O (x:-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Illuminamento Orizzontale (E)	11.2 lux	0.0 lux	76.5 lux	0.00	0.00	0.15

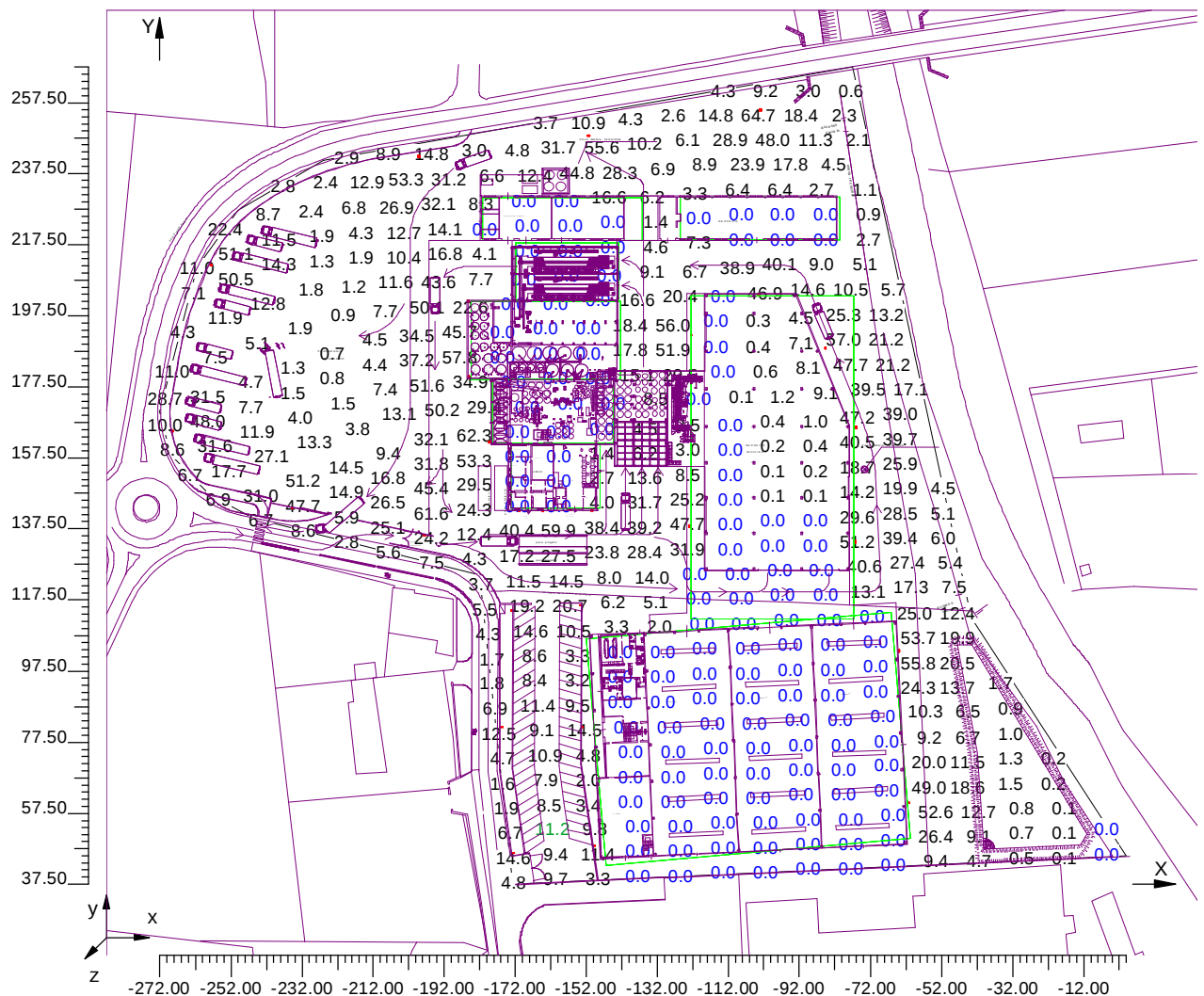
Tipo Calcolo

Solo Dir.

Scala 1/2000

CV= 1.409

Non tutti i punti di calcolo sono visibili



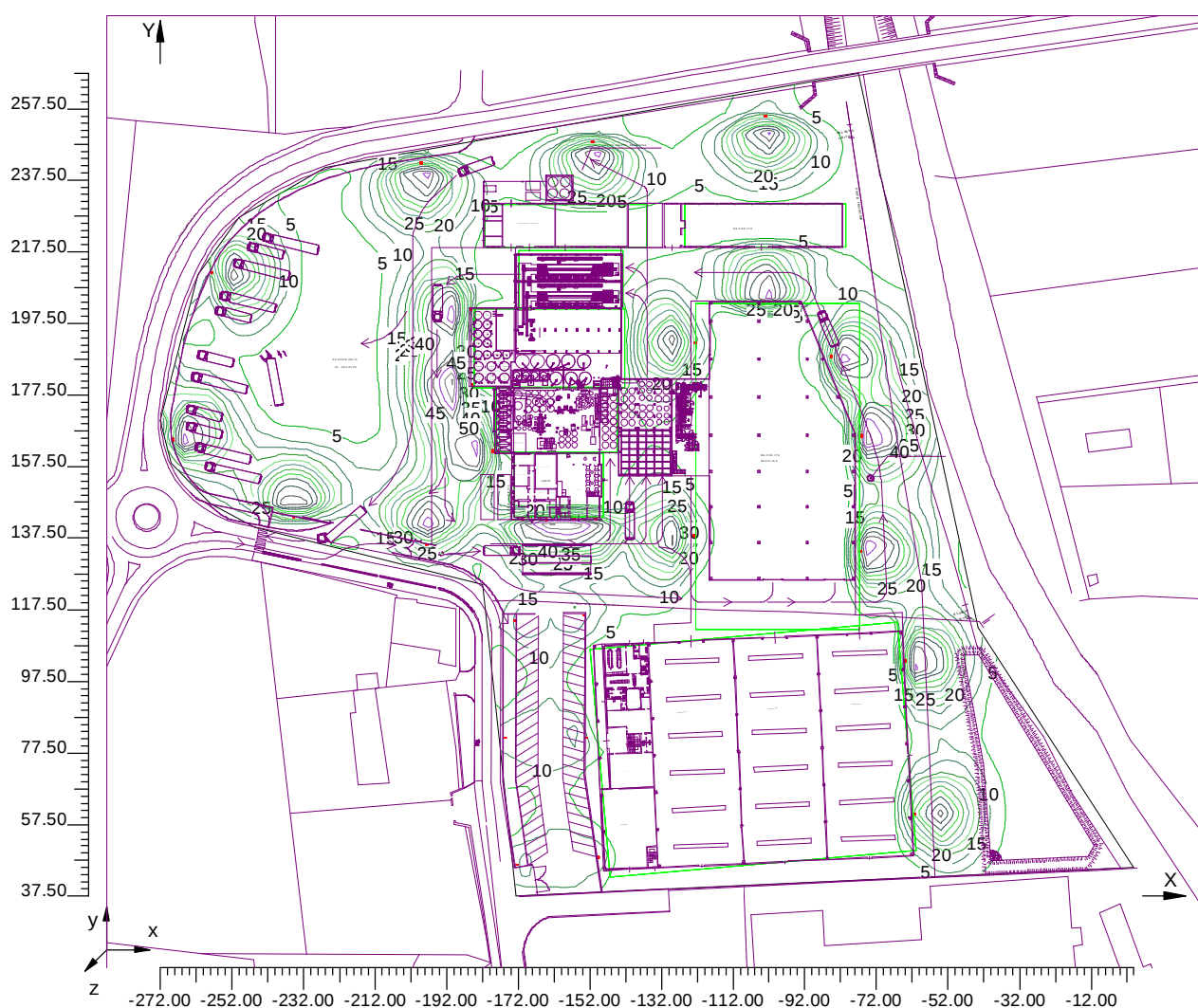
Curve Isolux su: Suolo_1

O (x:-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Illuminamento Orizzontale (E)	11 lux	0 lux	77 lux	0.00	0.00	0.15

Tipo Calcolo

Solo Dir.

Scala 1/2000



Valori delle Luminanze su: Suolo (x=-136.00;y=37.50;z=1.50)m ---> (x=-136.00;y=37.50;z=0.00)m

O (x=-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Luminanza (L)	0.36 cd/m ²	0.00 cd/m ²	2.44 cd/m ²	0.00	0.00	0.15

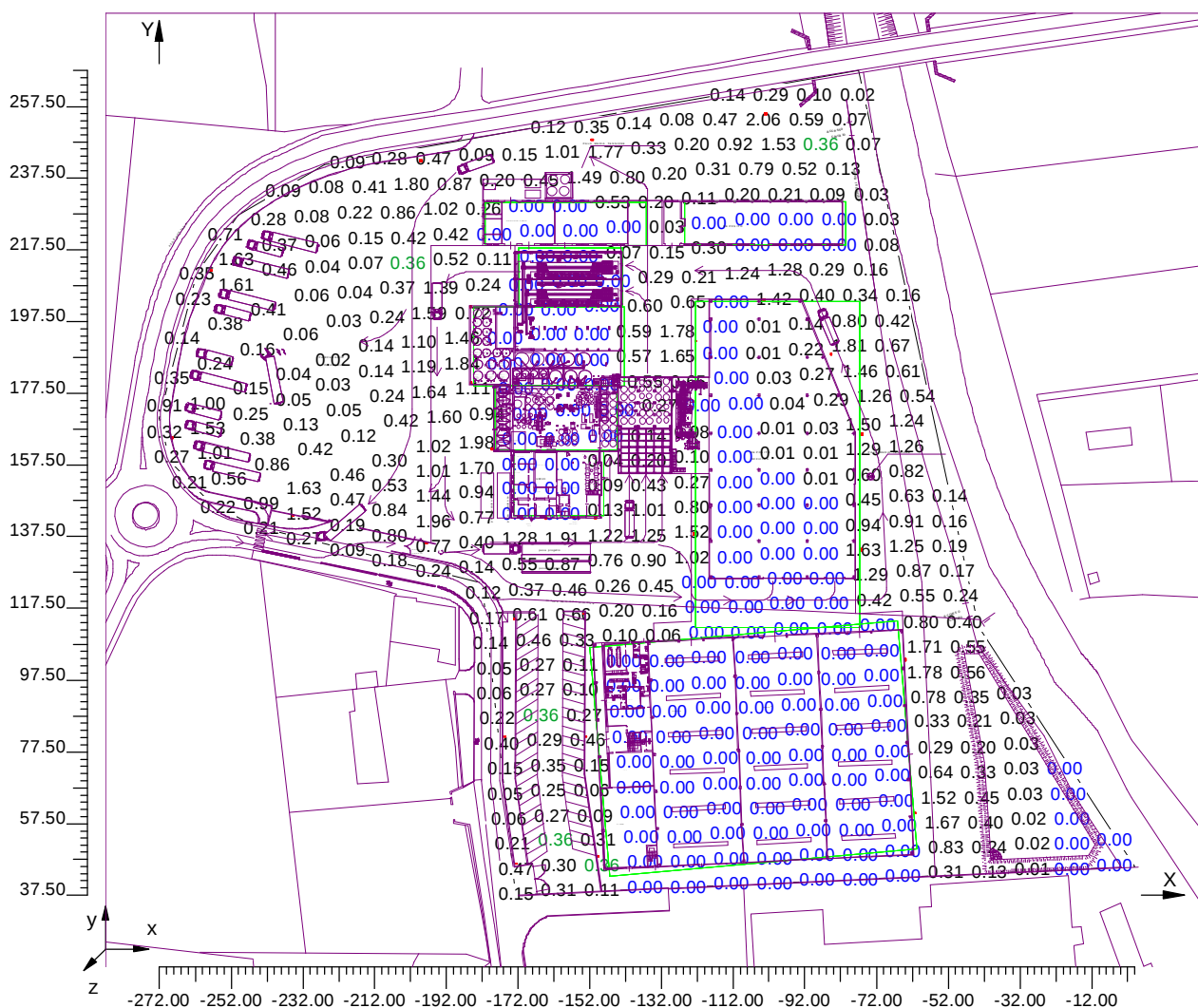
Tipo Calcolo

Solo Dir.

Scala 1/2000

CV= 1.409

Non tutti i punti di calcolo sono visibili



ALLEGATO B2

CALCOLI ILLUMINOTECNICI

REGIME NOTTURNO

(valori di illuminazione e delle luminanze)

Valori di Illuminamento su: Suolo

O (x:-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Illuminamento Orizzontale (E)	8 lux	0 lux	72 lux	0.00	0.00	0.11

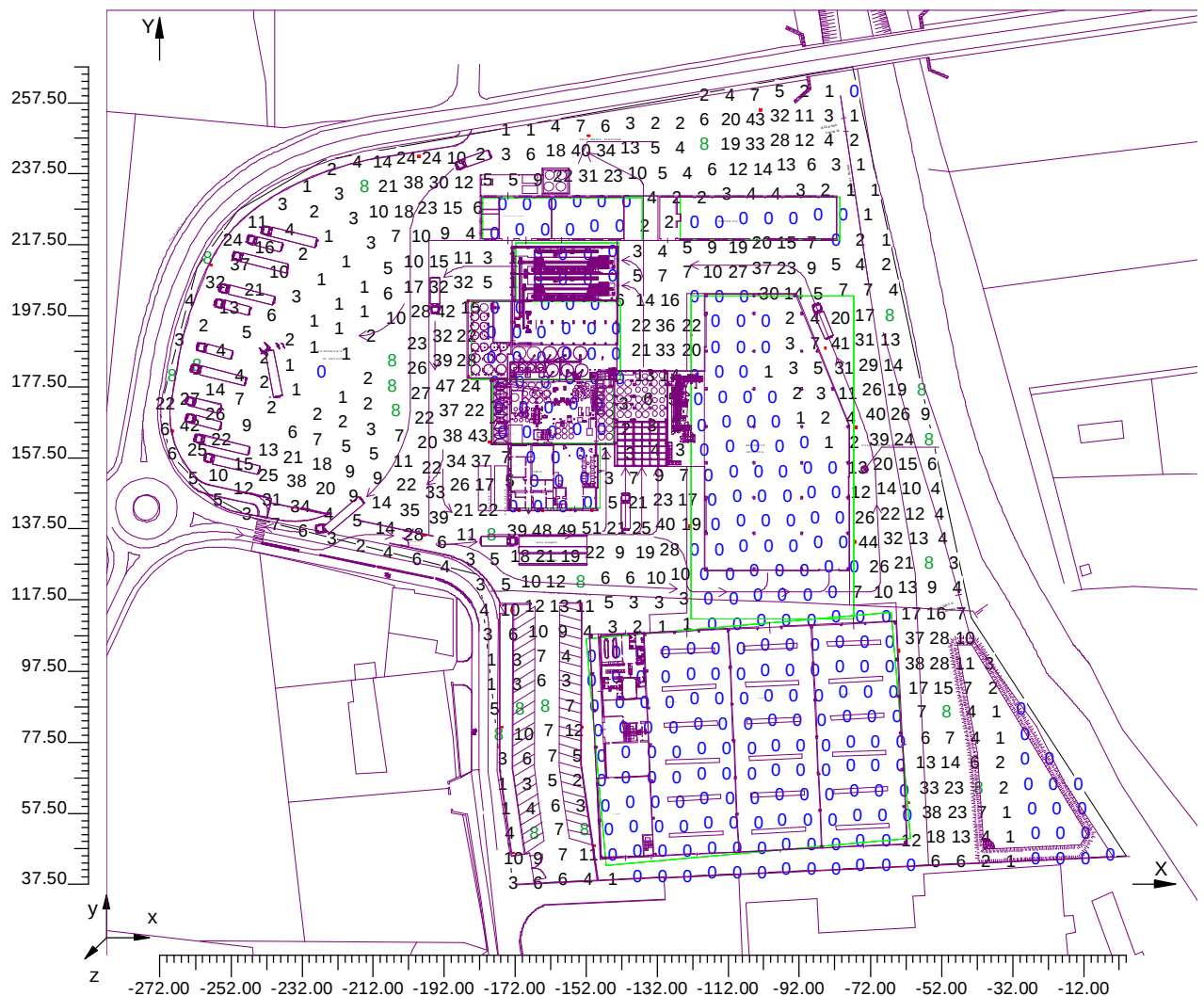
Tipo Calcolo

Solo Dir.

Scala 1/2000

CV= 1.441

Non tutti i punti di calcolo sono visibili



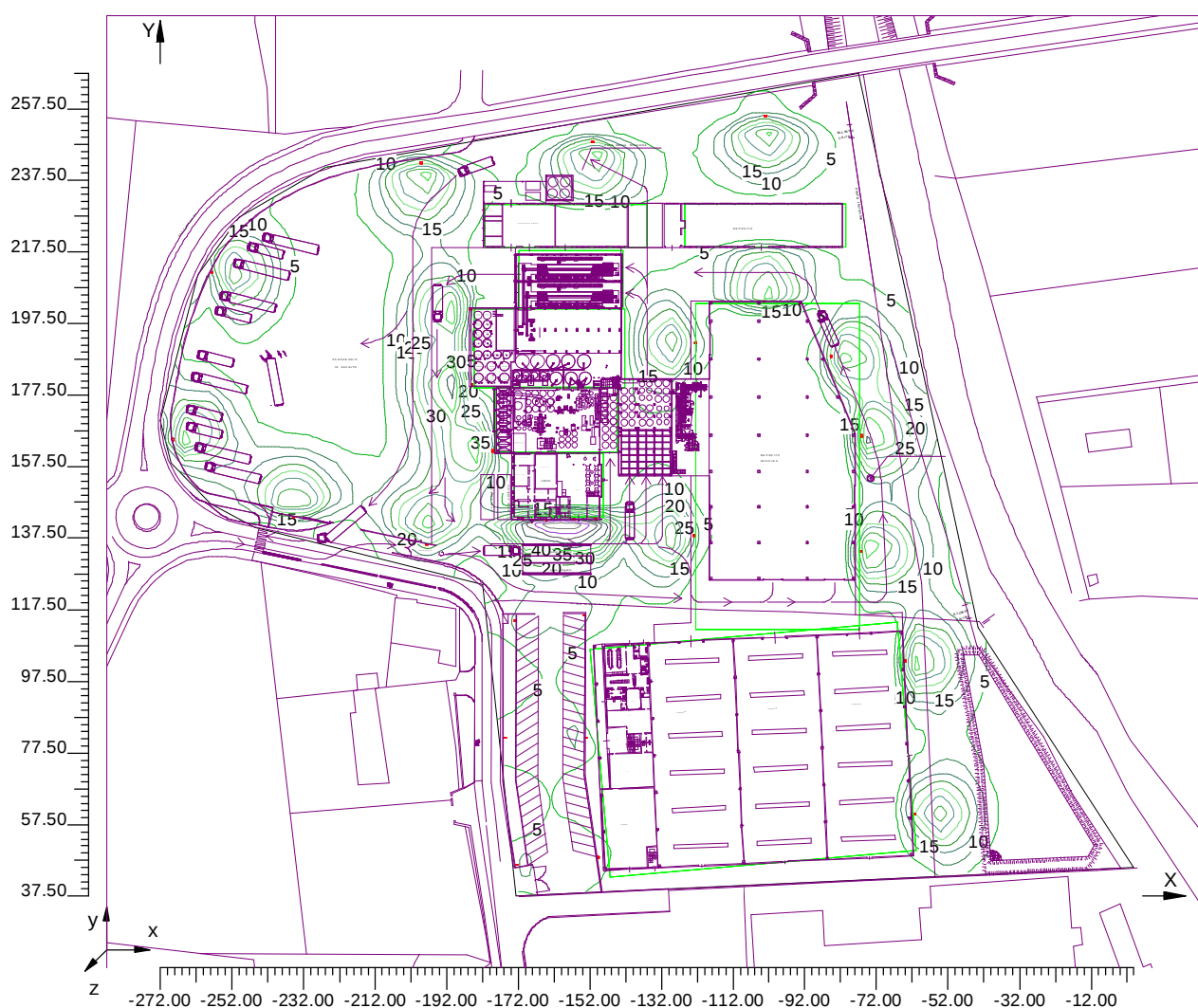
Curve Isolux su: Suolo_1

O (x:-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Illuminamento Orizzontale (E)	8 lux	0 lux	72 lux	0.00	0.00	0.11

Tipo Calcolo

Solo Dir.

Scala 1/2000



Valori delle Luminanze su: Suolo (x=-136.00;y=37.50;z=1.50)m ---> (x=-136.00;y=37.50;z=0.00)m

O (x:-272.00 y:37.50 z:0.00)	Risultati	Medio	Minimo	Massimo	Min/Medio	Min/Max	Medio/Max
DX:1.00 DY:1.00	Luminanza (L)	0.25 cd/m ²	0.00 cd/m ²	2.29 cd/m ²	0.00	0.00	0.11

Tipo Calcolo

Solo Dir.

Scala 1/2000

CV= 1.441

Non tutti i punti di calcolo sono visibili

