

PROVINCIA DI CUNEO

COMUNE DI FOSSANO

PROGETTO IMPIANTO ELETTRICO A SERVIZIO DI
CONDOMINIO SITO IN VIA CESARE BATTISTI
NEL COMUNE DI FOSSANO (CN) - 12045

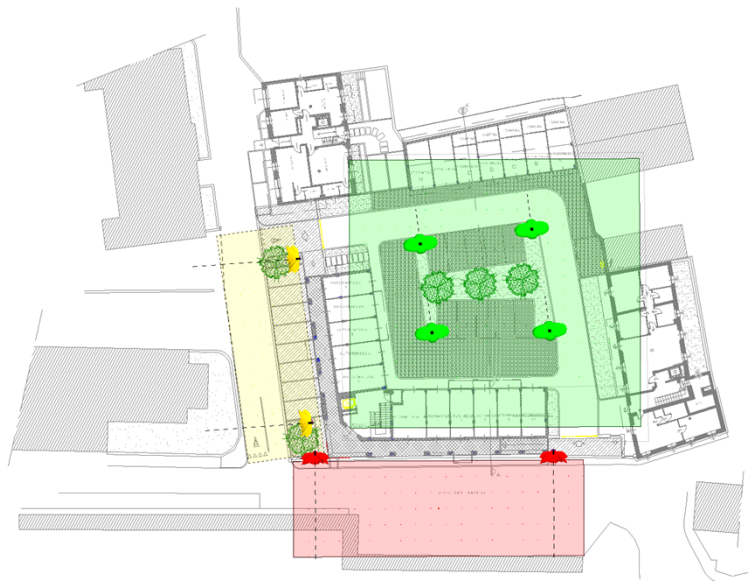
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|--|---------|-----------------|------------------|---|--------------------|-----------|--|
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| CALCOLO ILLUMINOTECNICO | | | | ILL.01 | | | |
| progettista : | | | | Committente: | | | |
| <p>Per. Ind. Perrone Luca Collegio dei Periti Industriali e Periti Industriali Laureati della Provincia di Cuneo n° 541</p> <p>Per. Ind. Taricco Claudio Collegio dei Periti Industriali e Periti Industriali Laureati della Provincia di Cuneo n° 540</p>  <p>ENGINEERING THE FUTURE</p> <p>Via Torino, 187 - 12038 Savigliano (CN) Tel. 0172/21383 - Fax 0171/1930183 mail : tecnico@stp-progetti.com</p>   | | | | <p>Condominio Santa Caterina</p> <p>Via Cesare Battisti 12045 - Fossano (CN)</p> | | | |
| | | | | il tecnico : | | | |
| | | | |  | | | |
| | | | | | | | |
| 00 | 04/2024 | PRIMA EMISSIONE | STP | C.TARICCO | | CM24-8806 | |
| REV. | DATA | MOTIVO | REDAZIONE TAVOLE | PROGETTISTA | CONSULENTE TECNICO | COMMESSA | |

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1. Istantanea

1.1. Vista planimetrica



2. Apparecchi

2.1. AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112

Tipologia AXIA 2.1

Riflettore 5241

Sorgente 24 LEDs 600mA WW730

Protettore Integrated lenses

Flusso di lampada 6,595 klm

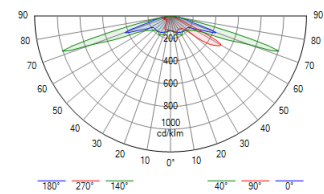
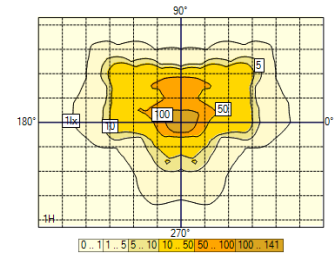
Potenza 45,5 W

FM 0,80

Matrice 431112

Flusso apparecchio 5,790 klm

Efficienza 127 lm/W



2.2. AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112

Tipologia AXIA 2.1

Riflettore 5241

Sorgente 24 LEDs 890mA WW730

Protettore Integrated lenses

Flusso di lampada 9,082 klm

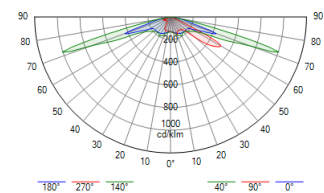
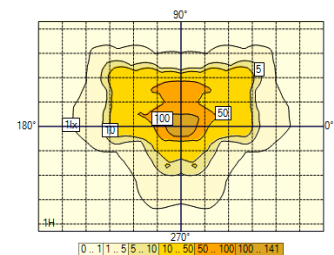
Potenza 68,0 W

FM 0,80

Matrice 431112

Flusso apparecchio 7,973 klm

Efficienza 117 lm/W



2.3. STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S

Tipologia STYLAGE

Riflettore 5304

Sorgente 20 LEDs 500mA WW730

Protettore Flat glass

Flusso di lampada 5,021 klm

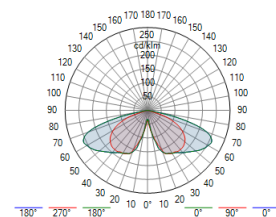
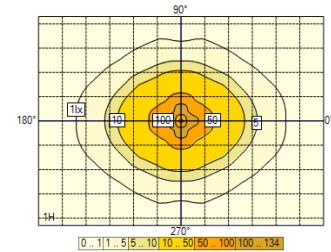
Potenza 32,2 W

FM 0,80

Matrice 54076S

Flusso apparecchio 3,808 klm

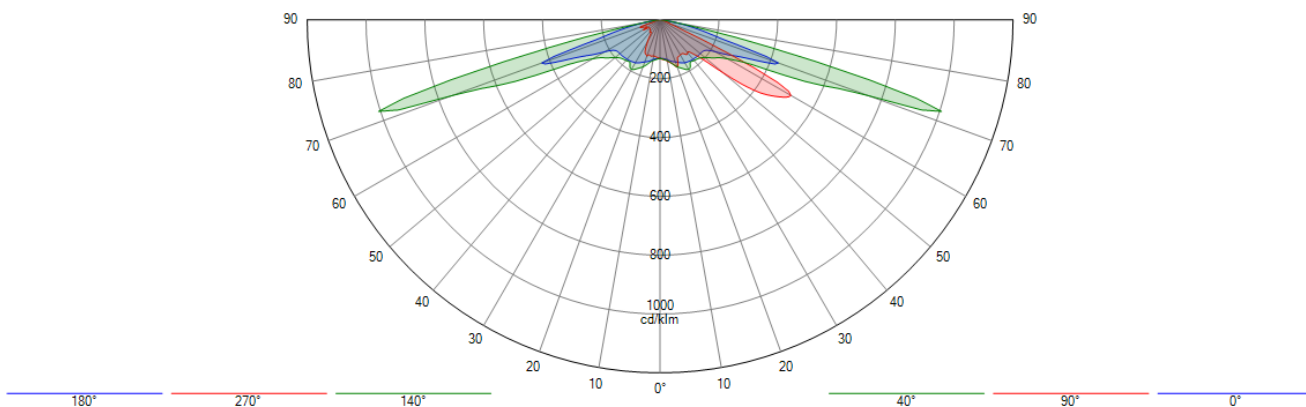
Efficienza 118 lm/W



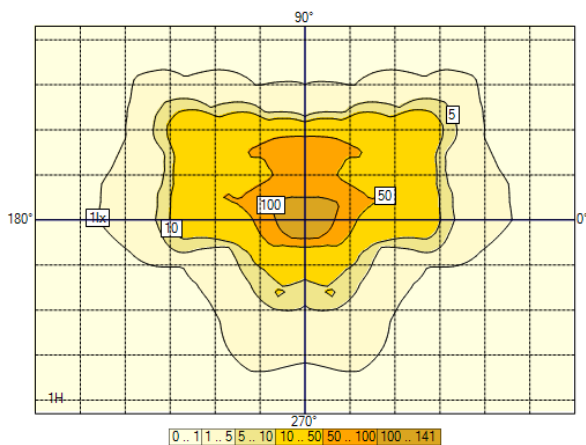
3. Documentazione Fotometrica

3.1. AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112

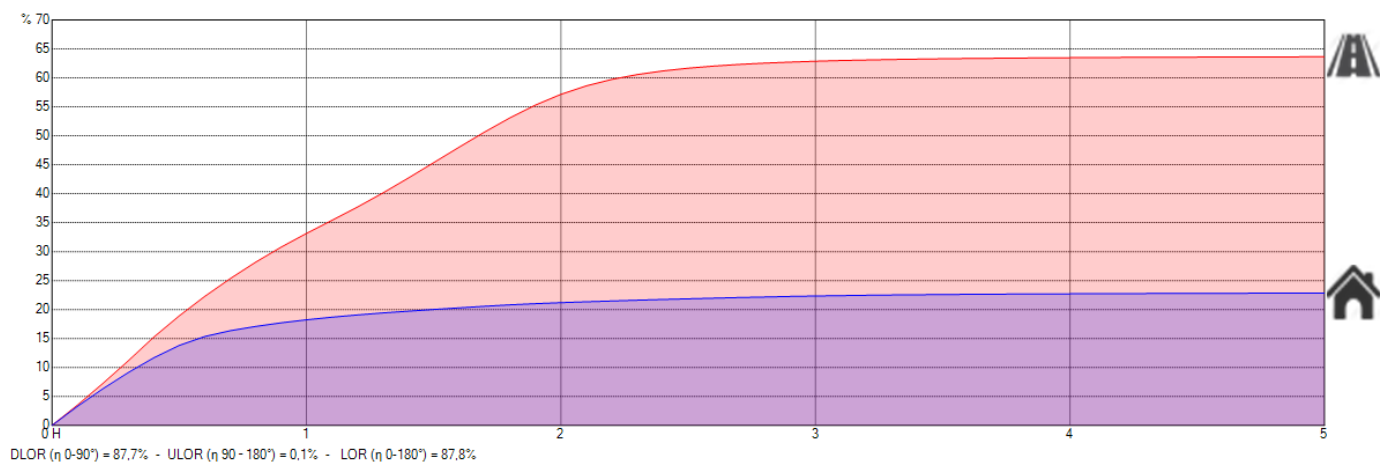
Diagramma Polare/Cartesiano



Isolux

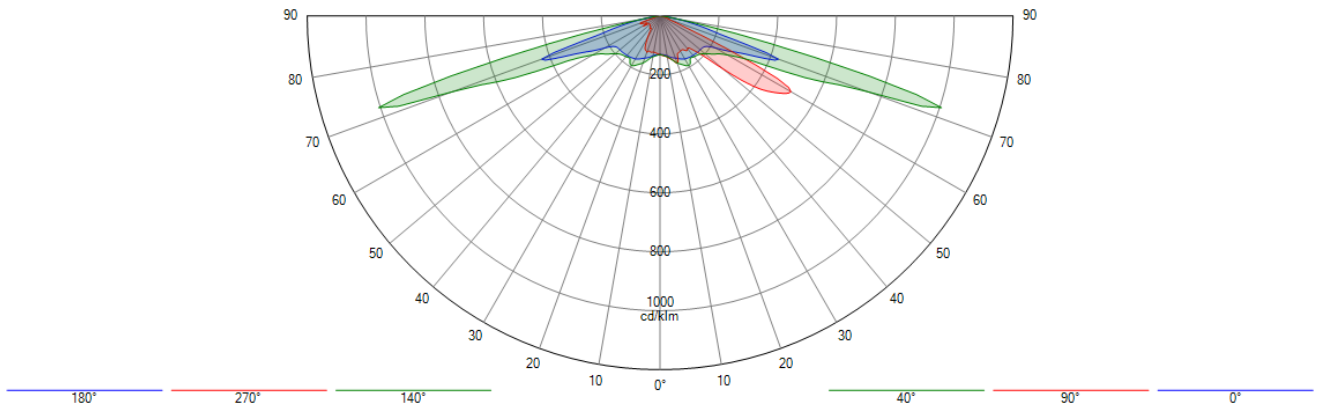


Rappresentazione del coef. di utilizzazione

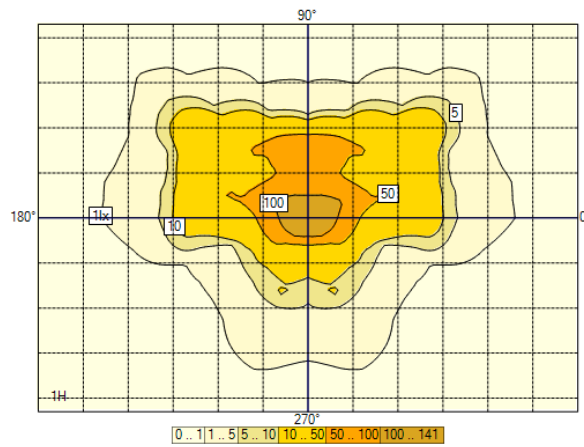


3.2. AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112

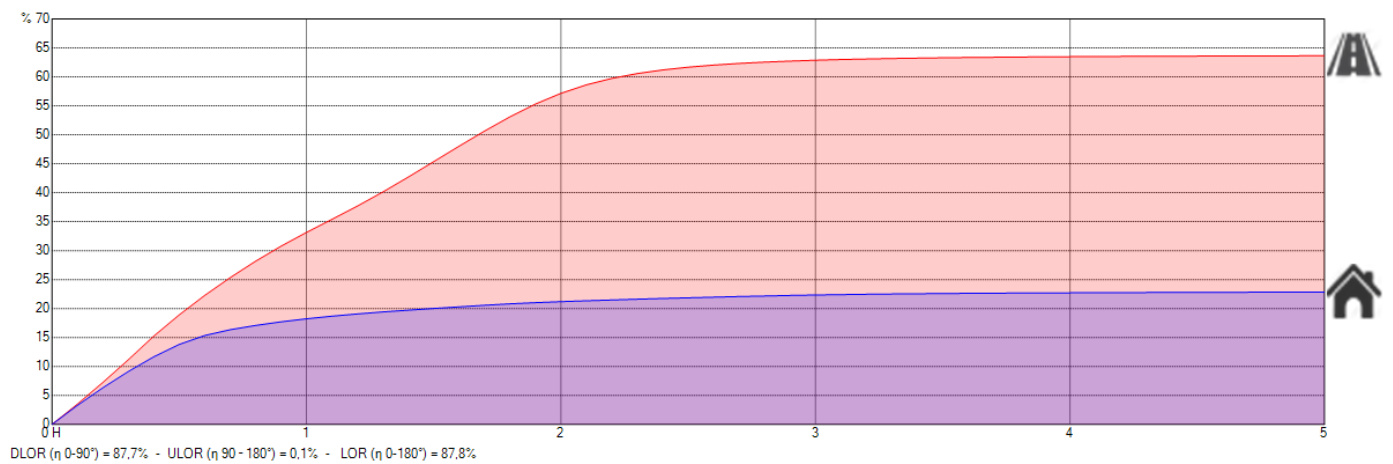
Diagramma Polare/Cartesiano



Isolux

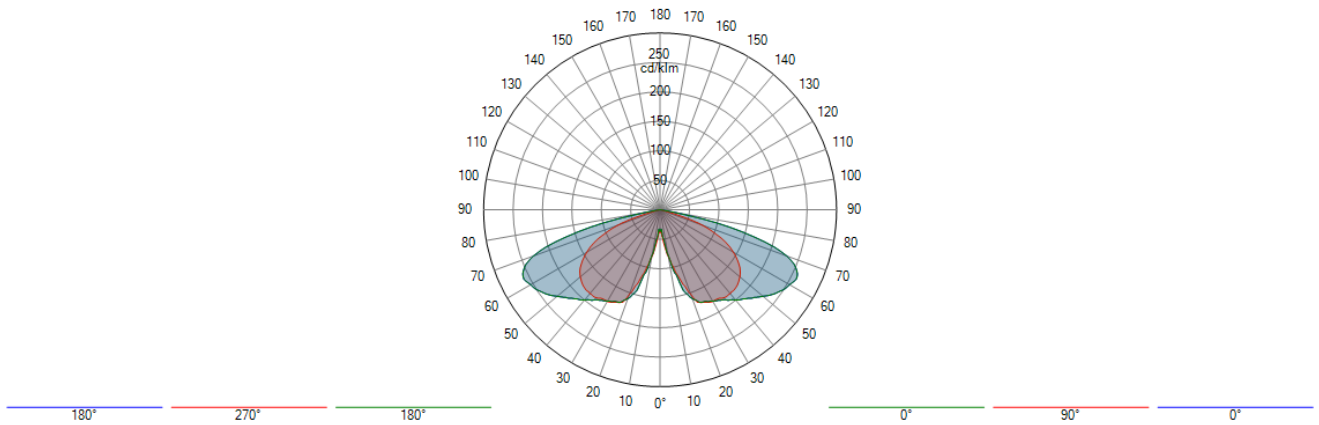


Rappresentazione del coef. di utilizzazione

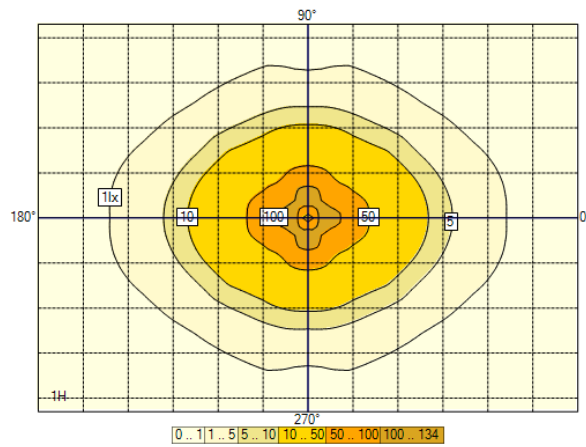


3.3. STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S

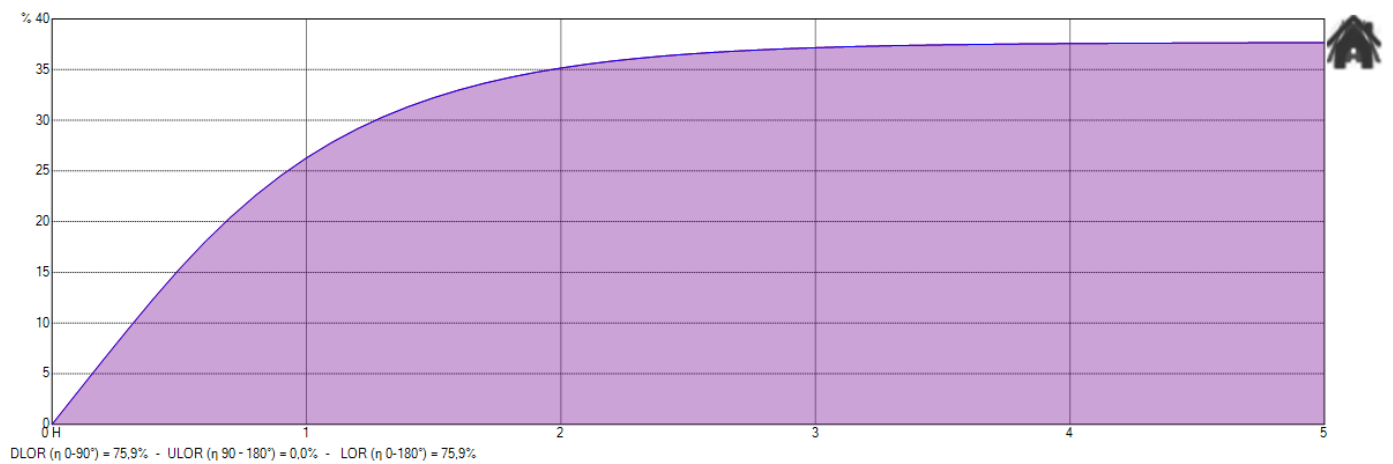
Diagramma Polare/Cartesiano



Isolux



Rappresentazione del coef. di utilizzazione



4. Risultati

4.1. Riepilogo Griglia

Lato EST

C4 (IL : Ave = 10,00 lux Uo = 40 %)

| 1. Illuminamento | Medio (M) (lx) | Min/Med (%) | Min/Max (%) | Min (lx) | Max (lx) | |
|------------------|----------------|-------------|-------------|----------|----------|---|
| Configuration | 11,8 | 43 | 19 | 5,1 | 25,9 | ✓ |

Lato SUD

C4 (IL : Ave = 10,00 lux Uo = 40 %)

| 1. Illuminamento | Medio (M) (lx) | Min/Med (%) | Min/Max (%) | Min (lx) | Max (lx) | |
|------------------|----------------|-------------|-------------|----------|----------|---|
| Configuration | 10,0 | 60 | 24 | 5,9 | 25,0 | ✓ |

Area centrale

P2 (IL : Min = 2,00 lux Ave = 10,00 lux)

| 1. Illuminamento | Medio (M) (lx) | Min/Med (%) | Min/Max (%) | Min (lx) | Max (lx) | |
|------------------|----------------|-------------|-------------|----------|----------|---|
| Configuration | 12,0 | 27 | 15 | 3,3 | 21,8 | ✓ |

5. Power consumption







5.1. Configuration

| Apparecchi | Current [mA] | Quantità | Dimmeraggio | Potenza / Apparecchi | Totale |
|--|--------------|----------|-------------|----------------------|--------|
| AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112 | 600 | 2 | 100 % | 45 W | 91 W |
| AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112 | 890 | 2 | 100 % | 68 W | 136 W |
| STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | 500 | 4 | 100 % | 32 W | 129 W |

Totale 356 W

6. Configuration

6.1. Descrizione matrice

| Ph. color | Descrizione | Current [mA] | Flusso di lampada [klm] | Flusso apparecchio [klm] | Potenza [W] | Efficienza [lm/W] | FM | Altezza [m] | Apparecchiatura |
|---|--|--------------|-------------------------|--------------------------|-------------|-------------------|-------|-------------|---|
|  | AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112 | 600 | 6,595 | 5,790 | 45,3 | 128 | 0,800 | 2 x 8,00 |  |
|  | AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112 | 890 | 9,082 | 7,973 | 68,1 | 117 | 0,800 | 2 x 8,00 |  |
|  | STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | 500 | 5,021 | 3,808 | 32,2 | 118 | 0,800 | 4 x 5,50 |  |

6.2. Posizione apparecchi

| Colo | N° | Posizione | Apparecchio | Bersaglio |
|------|----|-----------|-------------|-----------|
|------|----|-----------|-------------|-----------|

| | | | X [m] | Y [m] | Z [m] | Nome | Current [mA] | Az [°] | TI [°] | TI (Imax) [°] | Rot [°] | Flusso [klm] | FM | X [m] | Y [m] | Z [m] |
|-------------------------------------|---|---|--------|-------|-------|--|--------------|--------|--------|---------------|---------|--------------|-------|--------|-------|-------|
| <input checked="" type="checkbox"/> | ■ | 1 | 80,63 | 72,60 | 8,00 | AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112 | - | -94,3 | 0,0 | 60,0 | 0,0 | 6,595 | 0,800 | 80,63 | 72,60 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 2 | 82,25 | 51,16 | 8,00 | AXIA 2.1 24 LEDs 600mA WW730 Integrated lenses 5241 431112 | - | -94,3 | 0,0 | 60,0 | 0,0 | 6,595 | 0,800 | 82,25 | 51,16 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 3 | 82,83 | 47,19 | 8,00 | AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112 | - | -179,7 | 0,0 | 60,0 | 0,0 | 9,082 | 0,800 | 82,83 | 47,19 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 4 | 96,60 | 74,55 | 5,50 | STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | - | -7,5 | 0,0 | 40,0 | 0,0 | 5,021 | 0,800 | 96,60 | 74,55 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 5 | 98,13 | 62,95 | 5,50 | STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | - | -7,5 | 0,0 | 40,0 | 0,0 | 5,021 | 0,800 | 98,13 | 62,95 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 6 | 111,17 | 76,47 | 5,50 | STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | - | -7,5 | 0,0 | 40,0 | 0,0 | 5,021 | 0,800 | 111,17 | 76,47 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 7 | 113,52 | 63,20 | 5,50 | STYLAGE 20 LEDs 500mA WW730 Flat glass 5304 SY 54076S | - | -7,5 | 0,0 | 40,0 | 0,0 | 5,021 | 0,800 | 113,52 | 63,20 | 0,00 |
| <input checked="" type="checkbox"/> | ■ | 8 | 114,03 | 47,37 | 8,00 | AXIA 2.1 24 LEDs 890mA WW730 Integrated lenses 5241 431112 | - | -179,7 | 0,0 | 60,0 | 0,0 | 9,082 | 0,800 | 114,03 | 47,38 | 0,00 |

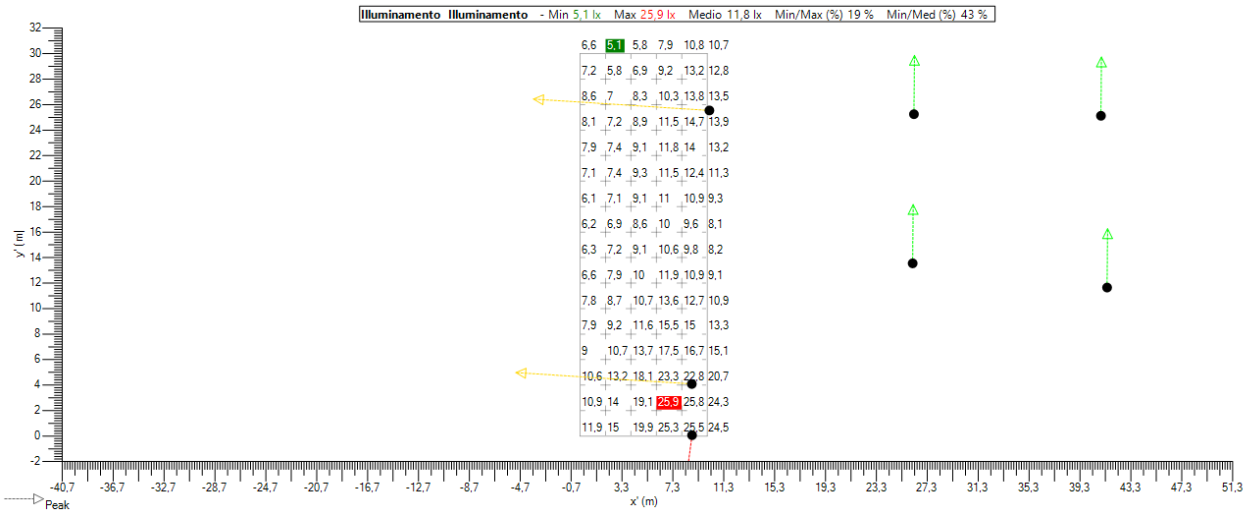
6.3. Gruppi apparecchi

| Lineare | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------|----|-----------|-------|-------|----------------------|--------|--------|---------|---------|------------|--------------|------------|-----------|-------|-------|--|
| | Color | N° | Posizione | | | Apparecchio | | | | | Dimensioni | | | Rotazione | | | |
| | | | X [m] | Y [m] | Z [m] | Nome | Az [°] | TI [°] | Rot [°] | Dim [%] | Conteggio | Distanza [m] | Taglia [m] | X [°] | Y [°] | Z [°] | |
| <input checked="" type="checkbox"/> | ■ | 1 | 80,63 | 72,60 | 8,00 | Luminaire linear | 180,0 | 0,0 | 0,0 | 100 | 2 | 21,50 | 21,50 | 0,0 | 0,0 | 274,3 | |
| <input checked="" type="checkbox"/> | ■ | 2 | 82,83 | 47,19 | 8,00 | Luminaire linear (1) | 180,0 | 0,0 | 0,0 | 100 | 2 | 31,20 | 31,20 | 0,0 | 0,0 | 0,3 | |

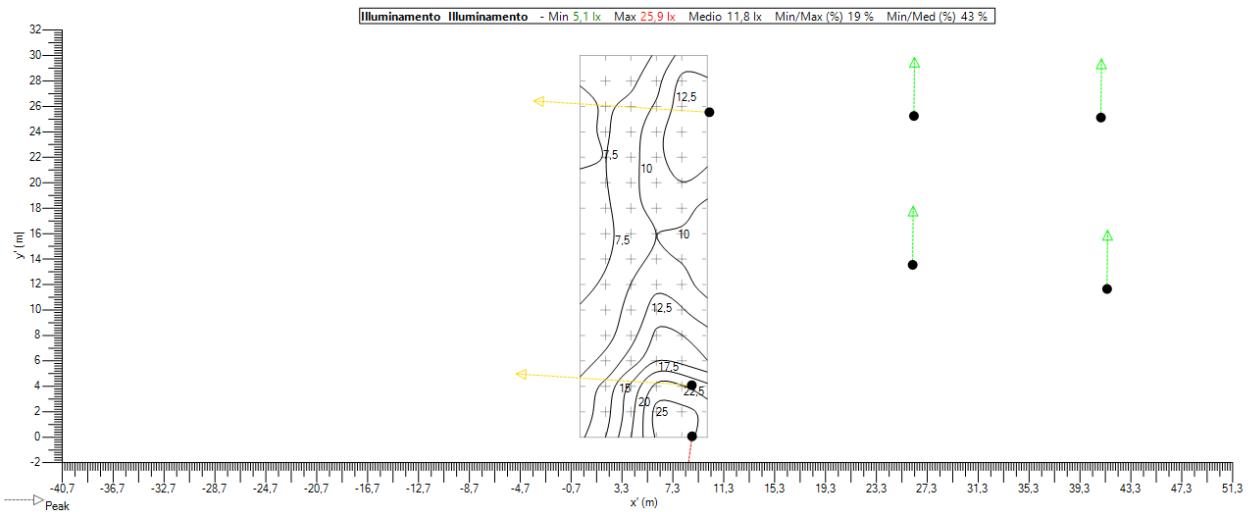
| Singolo | | | | | | | | | | | | | |
|-------------------------------------|-------|----|-----------|-------|-------|---------------------------|--------|--------|---------|---------|--|--|--|
| | Color | N° | Posizione | | | Apparecchio | | | | | | | |
| | | | X [m] | Y [m] | Z [m] | Nome | Az [°] | TI [°] | Rot [°] | Dim [%] | | | |
| <input checked="" type="checkbox"/> | ■ | 1 | 96,60 | 74,55 | 5,50 | Luminaire rectangular (2) | -7,5 | 0,0 | 0,0 | 100 | | | |
| <input checked="" type="checkbox"/> | ■ | 2 | 98,13 | 62,95 | 5,50 | Luminaire rectangular | -7,5 | 0,0 | 0,0 | 100 | | | |
| <input checked="" type="checkbox"/> | ■ | 3 | 111,17 | 76,47 | 5,50 | Luminaire rectangular (3) | -7,5 | 0,0 | 0,0 | 100 | | | |
| <input checked="" type="checkbox"/> | ■ | 4 | 113,52 | 63,20 | 5,50 | Luminaire rectangular (1) | -7,5 | 0,0 | 0,0 | 100 | | | |

6.4. Lato EST - Normal

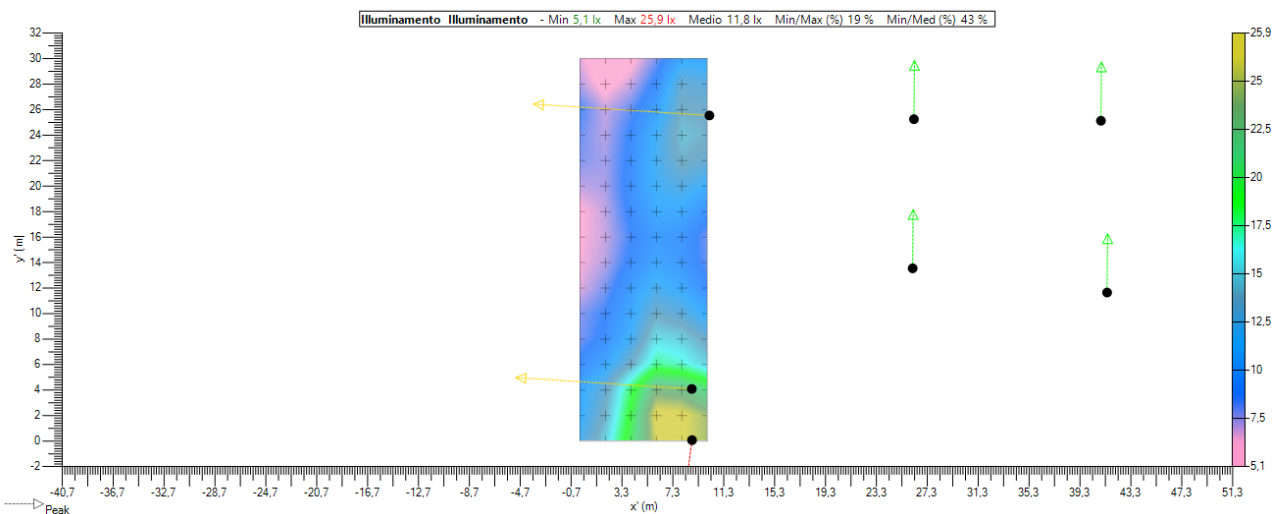
Valori



Isolevel

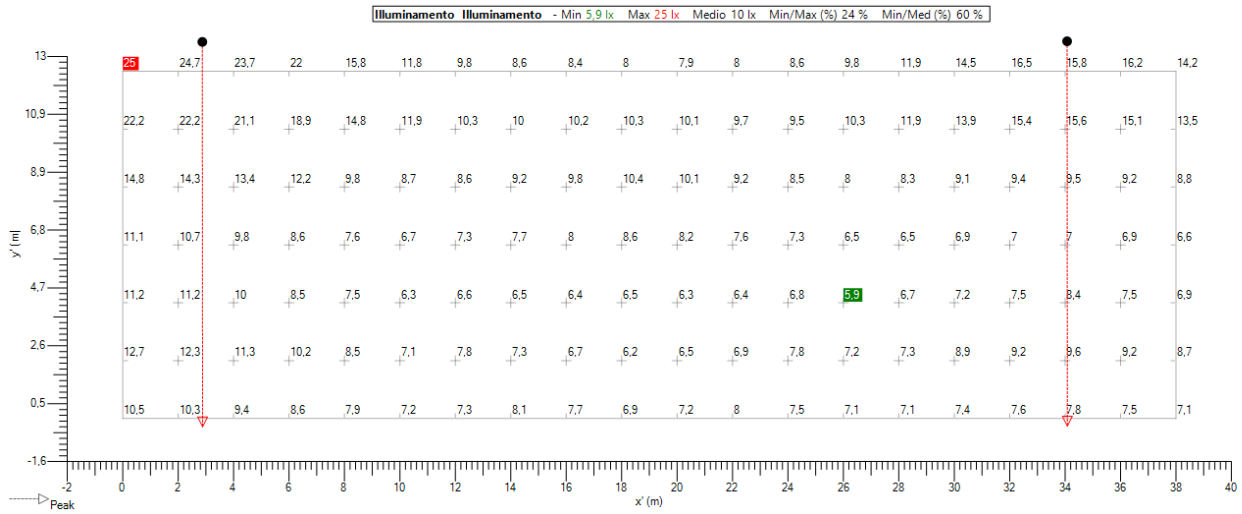


Ombre

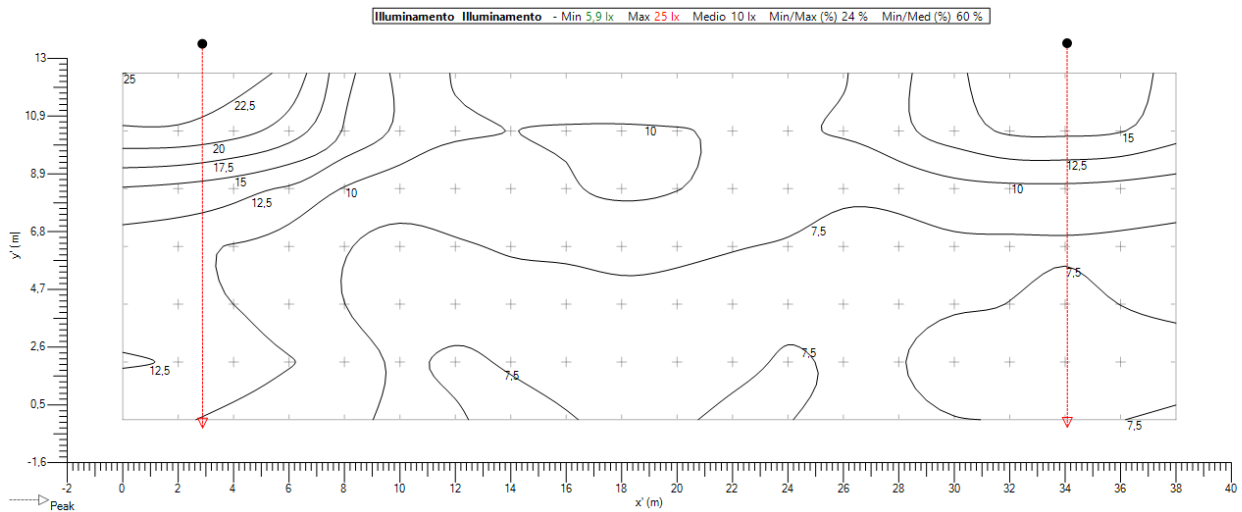


6.5. Lato SUD - Normal

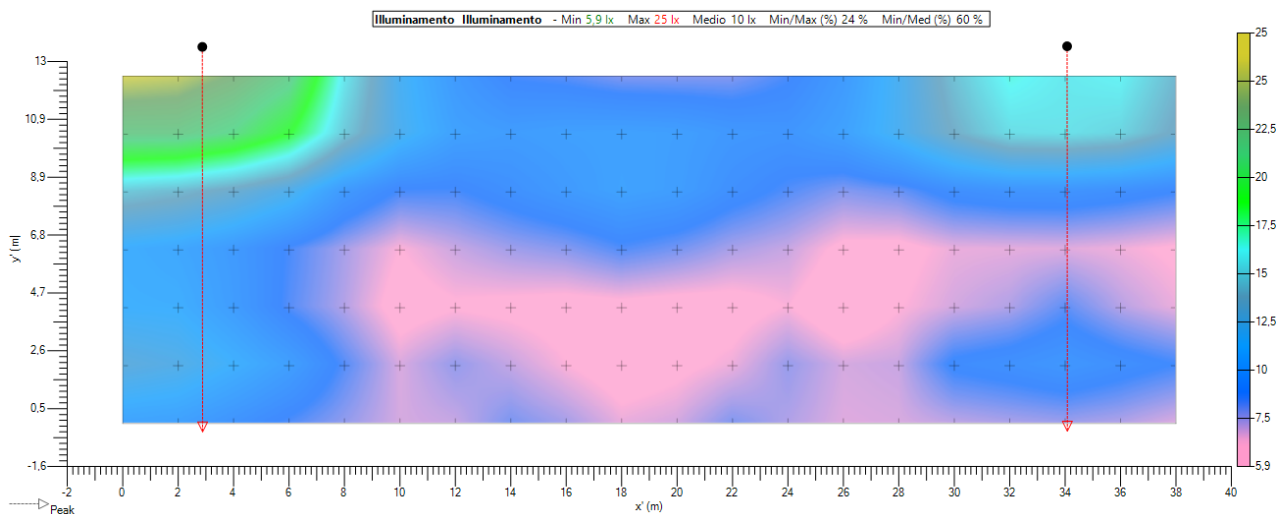
Valori



Isolevel

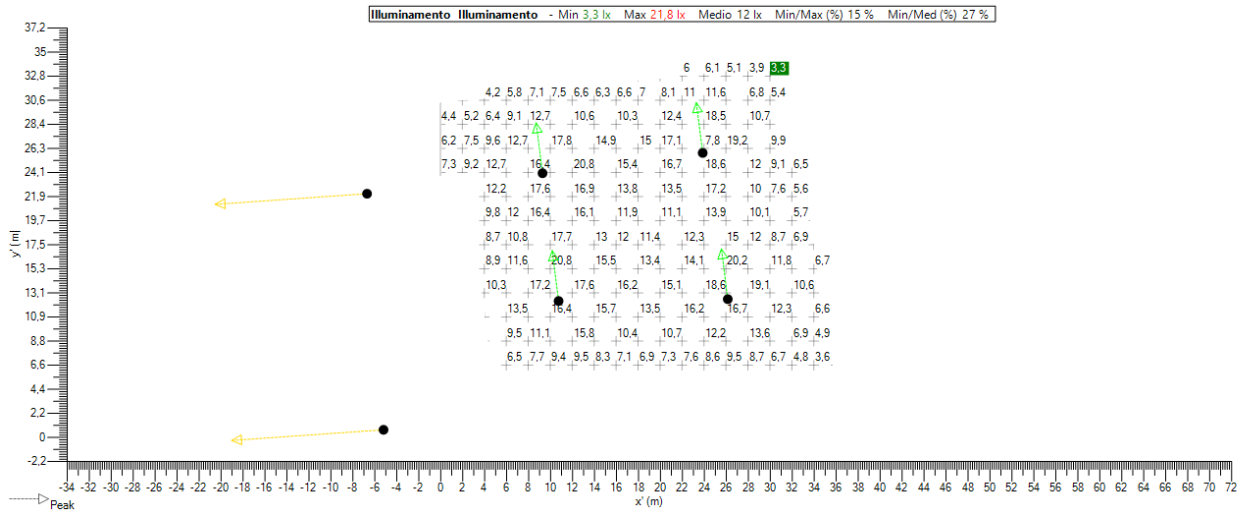


Ombre

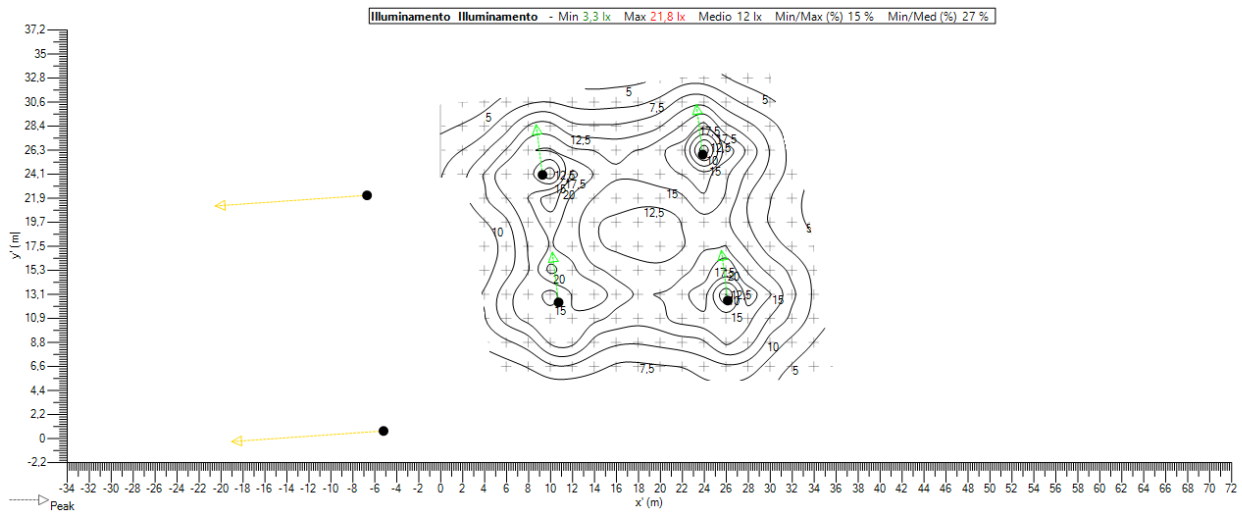


6.6. Area centrale - Normal

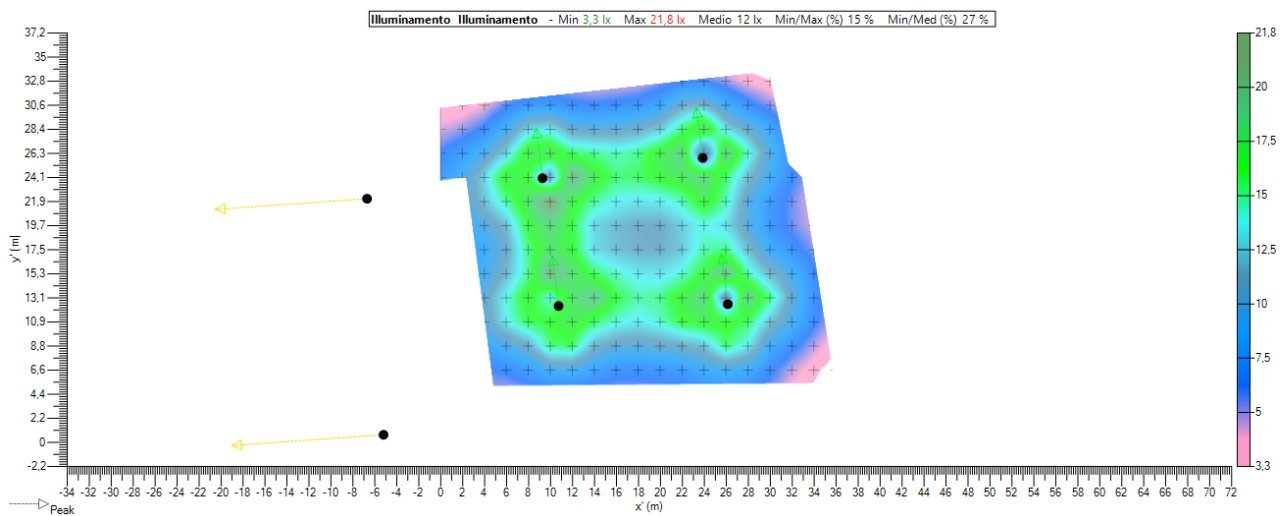
Valori



Isolevel



Ombre



7. Griglie

7.1. Lato EST

Generale

Tipologia Griglia rettangolare XY

Attivato

Colore 

Geometria

Origine X 74,12 m Y 45,89 m Z 0,00 m

Rotazione X 0,0° Y 0,0° Z 8,0°

Dimensione Conteggio X 6 Conteggio Y 16

Distanza X 2,00 m Distanza Y 2,00 m

Taglia X 10,00 m Taglia Y 30,00 m

7.2. Lato SUD

Generale

Tipologia Griglia rettangolare XY

Attivato

Colore 

Geometria

Origine X 80,03 m Y 33,62 m Z 0,00 m

Rotazione X 0,0° Y 0,0° Z 0,3°

Dimensione Conteggio X 20 Conteggio Y 7

Distanza X 2,00 m Distanza Y 2,08 m

Taglia X 38,00 m Taglia Y 12,50 m


7.3. Area centrale

Generale

Tipologia Griglia rettangolare XY

Uso Esclusivo Esclusivo

Attivato

Colore 

Geometria

Origine X 87,43 m Y 50,49 m Z 0,00 m

Rotazione X 0,0° Y 0,0° Z 0,3°

Dimensione Conteggio X 20 Conteggio Y 17

Distanza X 2,00 m Distanza Y 2,19 m

Taglia X 38,00 m Taglia Y 35,00 m