

# Comune di Quarrata - Piazza della Chiesa Casini

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**Designer** Studio Tecnico

**Date** 22/03/2022

**Application** Ulysse 3.5.2

**Description** Verifica Illuminotecnica Piazza della Chiesa Casini

Categoria C 3

Teceo 1 40led 800mA 100W ottica 5247

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## 1. Fixtures

### 1.1. TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682

Type TECEO GEN2 1

Reflector 5247

Source 40 LEDs 800mA WW730

Protector Piano, Vetro extra chiaro, Liscio

Source flux 14,103 klm

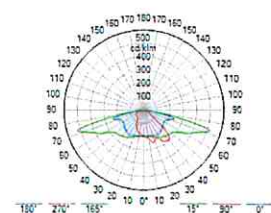
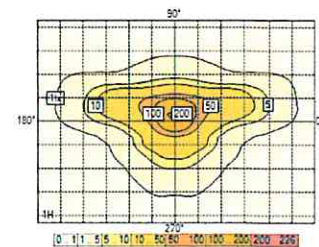
Luminaire wattage 100,0 W

MF 0,80

Matrix 468682

Luminaire flux 11,061 klm

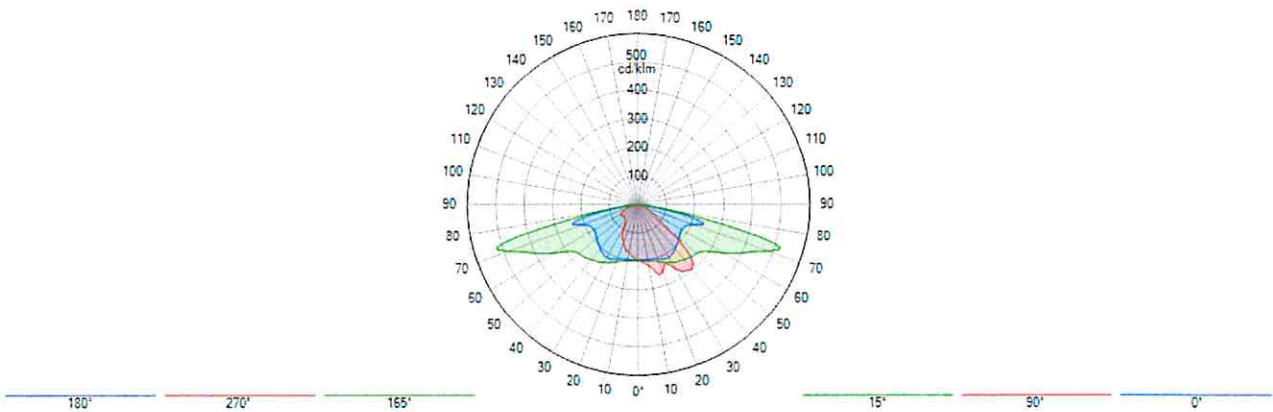
Efficacy 111 lm/W



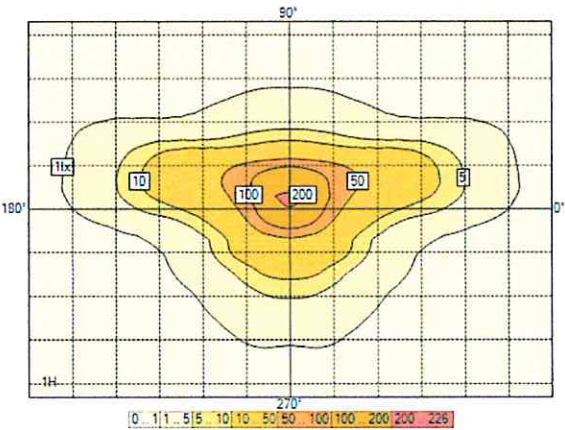
2. Photometric documents

2.1. TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682

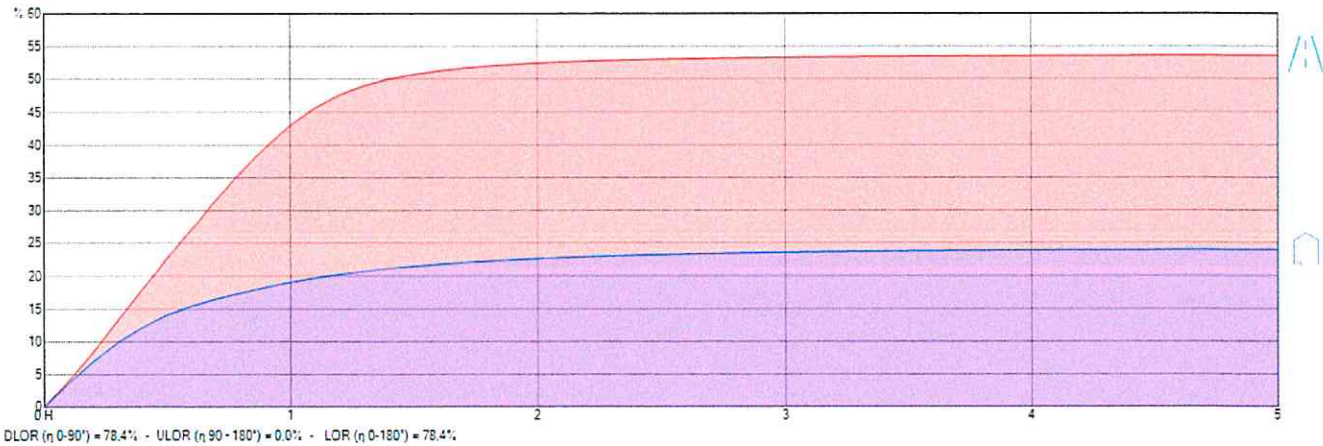
Polar/Cartesian diagram



Isolux



Utilization curve



### 3. Results

#### 3.1. Grid summary

Grid rectangular XY

CE2 (IL : Ave = 20,00 lux Uo = 40 %)

1. Normal illuminance

	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Configuration	20,7	50	35	10,4	29,7



### 4. Power consumption

#### 4.1. Configuration

Fixture	Current [mA]	Qty	Dimming	Power / Fixture	Total
TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	800	4	100 %	100 W	401 W

### 5. Configuration

#### 5.1. Matrix description

Ph. color	Description	Current [mA]	Source flux [klm]	Luminair e flux [klm]	Power [W]	Efficacy [lm/W]	MF	Height [m]	Fixture
	TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	800	14,103	11,061	100,4	110	0,800	4 x 10,00	

#### 5.2. Luminaire positions

	Color	N°	Position			Luminaire							Target		
			X [m]	Y [m]	Z [m]	Name	Current [mA]	Az [°]	Incl [°]	Rot [°]	Flux [klm]	MF	X [m]	Y [m]	Z [m]
<input checked="" type="checkbox"/>		1	-11,17	-7,37	10,00	TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	-	358,7	0,0	0,0	14,103	0,800	-11,17	-7,37	0,00
<input checked="" type="checkbox"/>		2	0,03	15,46	10,00	TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	-	89,3	0,0	0,0	14,103	0,800	0,03	15,46	0,00
<input checked="" type="checkbox"/>		3	17,01	15,14	10,00	TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	-	270,8	0,0	0,0	14,103	0,800	17,01	15,14	0,00
<input checked="" type="checkbox"/>		4	17,14	-8,15	10,00	TECEO GEN2 1 40 LEDs 800mA WW730 Piano, Vetro extra chiaro, Liscio 5247 468682	-	357,7	0,0	0,0	14,103	0,800	17,14	-8,15	0,00

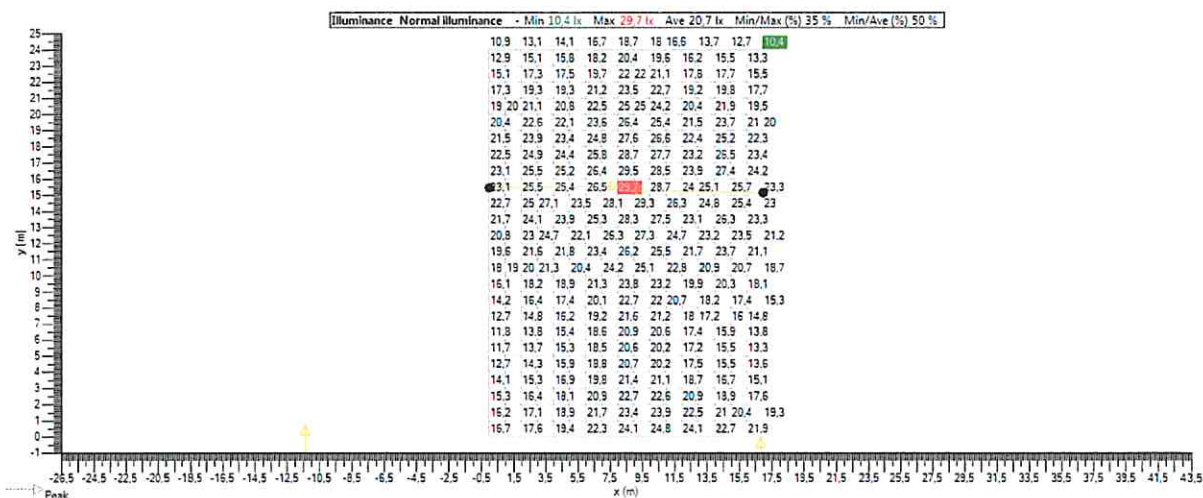
#### 5.3. Luminaire groups

Single										
	Color	N°	Position			Luminaire				
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]
<input checked="" type="checkbox"/>		1	-11,17	-7,37	10,00	Luminaire single (3)	358,7	0,0	0,0	100
<input checked="" type="checkbox"/>		2	0,03	15,46	10,00	Luminaire single	89,3	0,0	0,0	100
<input checked="" type="checkbox"/>		3	17,01	15,14	10,00	Luminaire single (1)	270,8	0,0	0,0	100
<input checked="" type="checkbox"/>		4	17,14	-8,15	10,00	Luminaire single (2)	357,7	0,0	0,0	100

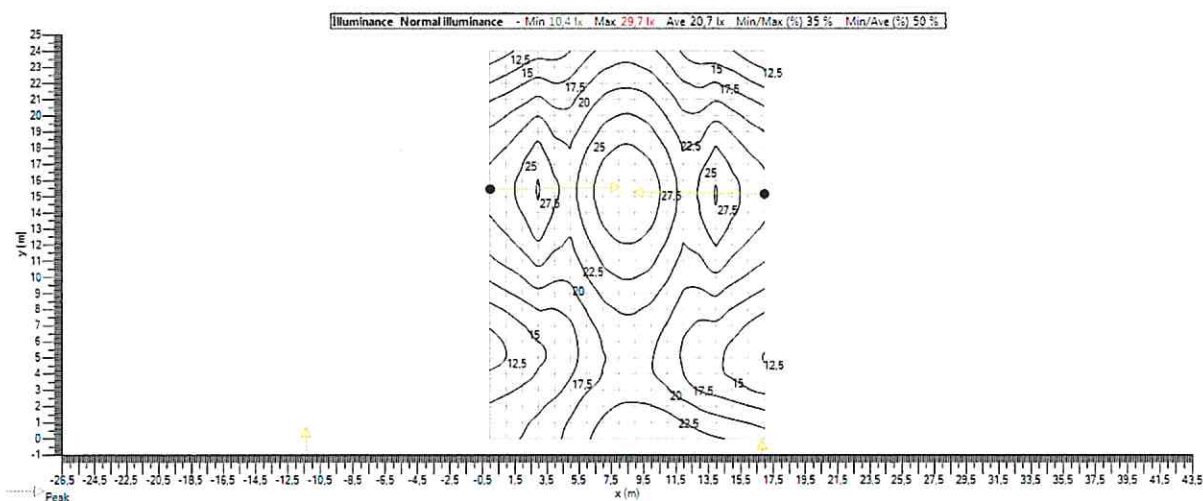


## 5.4. Grid rectangular XY - Normal

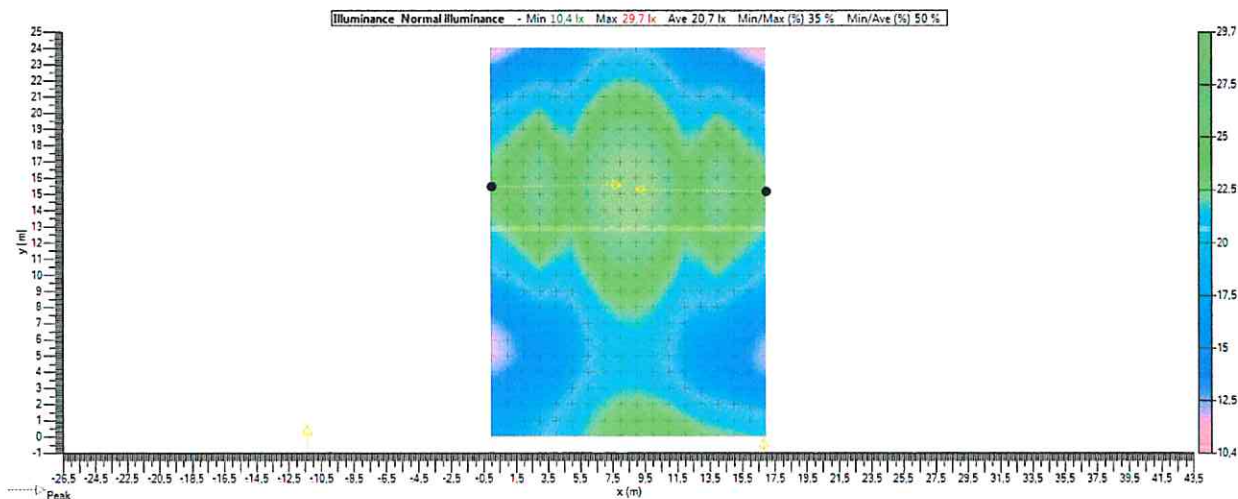
### Values



### Isolevel



### Shading




## 6. Grids

### 6.1. Grid rectangular XY

General

Type Grid rectangular XY

Enabled ☒

Colour 

Geometry

Origin	X 0,00 m	Y 0,00 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 18	Count Y 25	
	Spacing X 1,00 m	Spacing Y 1,00 m	
	Size X 17,00 m	Size Y 24,00 m	