

Comune di Quarrata - Rotatoria Via Firenze - Via Flori

Designer Studio Tecnico

Date 21/03/2022

Application Ulysse 3.5.2

Description Verifica Illuminotecnica Rotatoria Via Firenze Via Flori

Categoria C2

Teceo1 48led 900mA 137W ottica 5119

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1. Fixtures

1.1. TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limitor 468312

Type TECEO GEN2 1

Reflector 5119

Source 48 LEDs 900mA WW730

Protector Piano, Vetro extra chiaro, Liscio

Source flux 18,479 klm

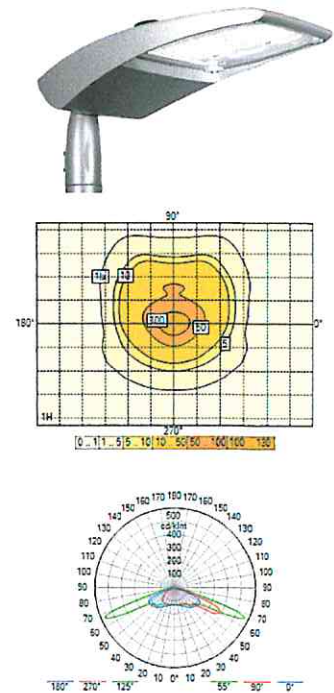
Luminaire wattage 137,0 W

MF 0,80

Matrix 468312

Luminaire flux 14,779 klm

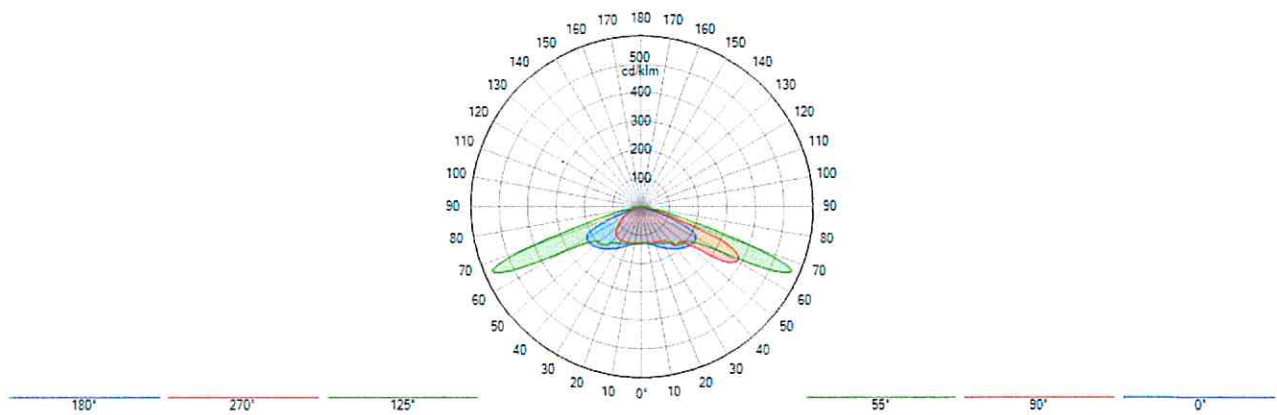
Efficacy 108 lm/W



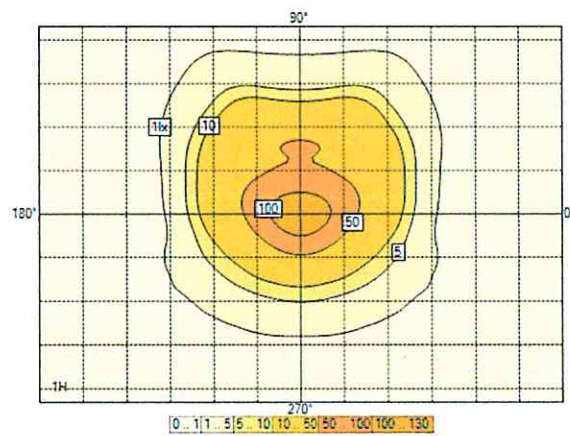
2. Photometric documents

2.1. TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limitor 468312

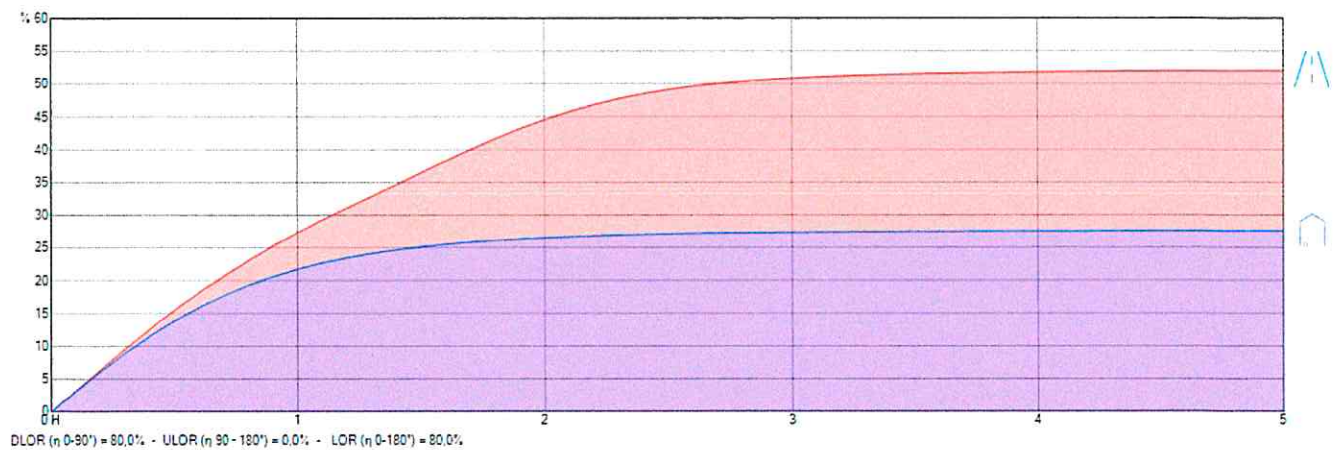
Polar/Cartesian diagram



Isolux



Utilization curve



3. Results

3.1. Grid summary

Grid circular

CE3 (IL : Ave = 15,00 lux Uo = 40 %)

1. Normal illuminance

	Ave (A) (lx)	Min/Ave (%)	Min/Max (%)	Min (lx)	Max (lx)
Configuration	17,5	60	36	10,5	29,0



4. Power consumption

4.1. Configuration

Fixture	Current [mA]	Qty	Dimming	Power / Fixture	Total
TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limiter 468312	900	3	100 %	137 W	411 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 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limiter 468312	900	18,479	14,779	137,0	108	0,800	3 x 9,00	

5.2. Luminaire positions

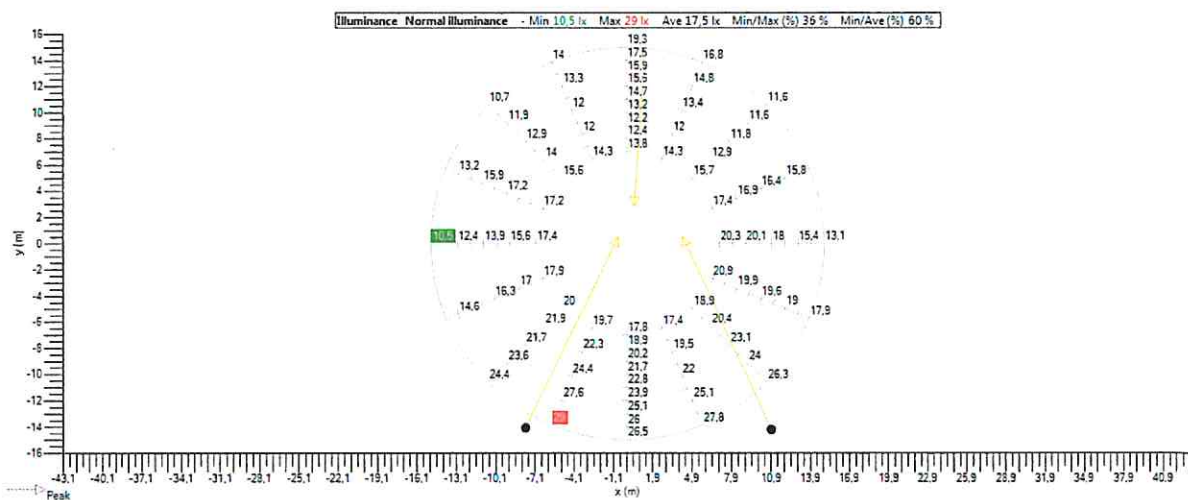
	Color	N°	Position			Luminaire							Target		
			X [m]	Y [m]	Z [m]	Name	Current [mA]	Az [°]	Incl [°]	Rot [°]	Flux [klm]	MF	X [m]	Y [m]	Z [m]
<input checked="" type="checkbox"/>		1	-7,80	-14,08	9,00	TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limiter 468312	-	26,0	0,0	0,0	18,479	0,800	-7,80	-14,08	0,00
<input checked="" type="checkbox"/>		2	1,72	19,03	9,00	TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limiter 468312	-	184,2	0,0	0,0	18,479	0,800	1,72	19,03	0,00
<input checked="" type="checkbox"/>		3	10,96	-14,21	9,00	TECEO GEN2 1 48 LEDs 900mA WW730 Piano, Vetro extra chiaro, Liscio 5119 Glare limiter 468312	-	335,5	0,0	0,0	18,479	0,800	10,96	-14,21	0,00

5.3. Luminaire groups

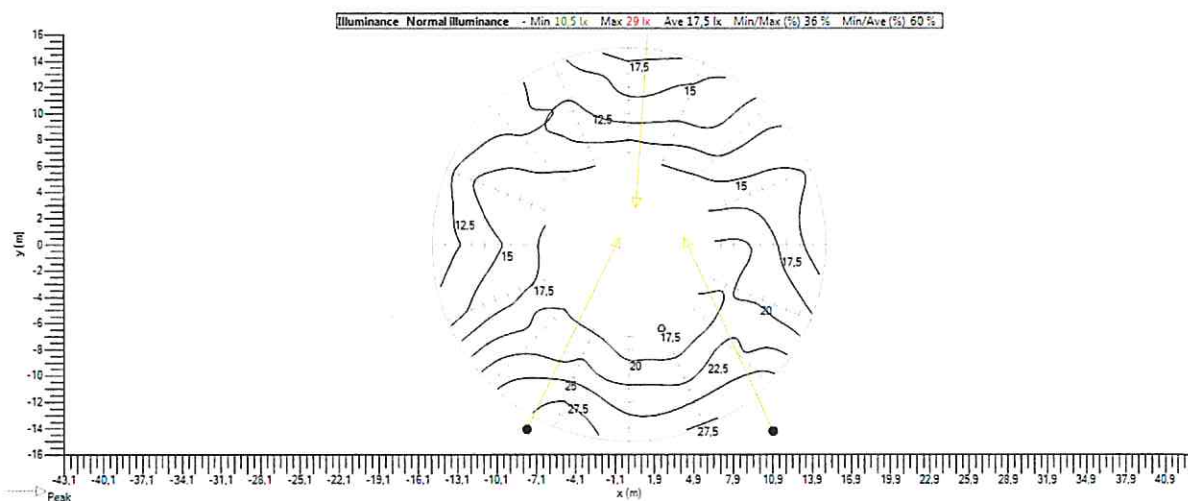
Single										
	Color	N°	Position			Luminaire				
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]
<input checked="" type="checkbox"/>		1	-7,80	-14,08	9,00	Luminaire single	26,0	0,0	0,0	100
<input checked="" type="checkbox"/>		2	1,72	19,03	9,00	Luminaire single (2)	184,2	0,0	0,0	100
<input checked="" type="checkbox"/>		3	10,96	-14,21	9,00	Luminaire single (1)	335,5	0,0	0,0	100

5.4. Grid circular - Normal

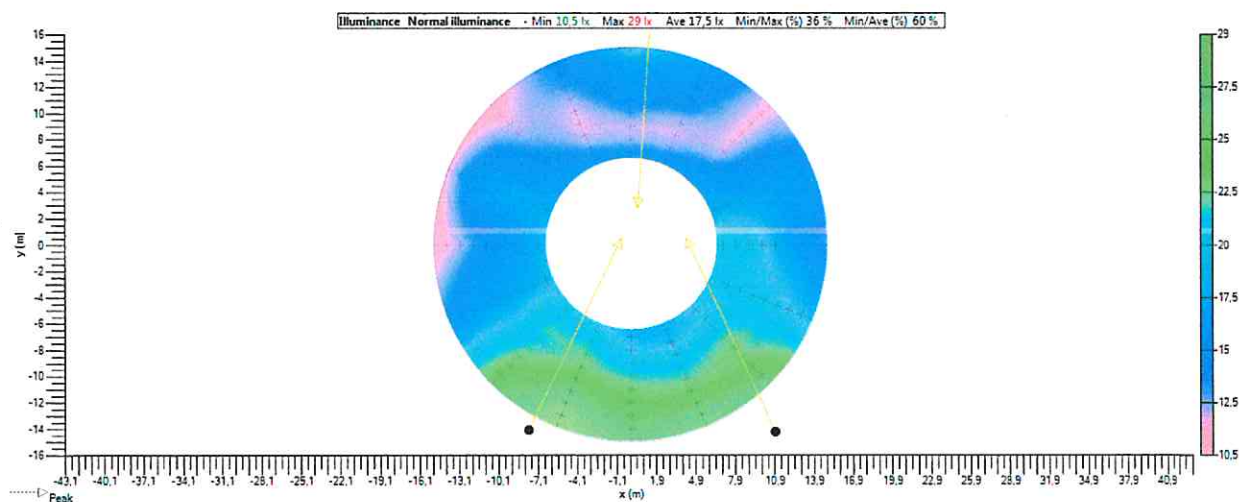
Values



Isolevel



Shading



6. Grids


6.1. Grid circular

General

Type Grid circular

Use Exclusion Use exclusion

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 15 Count R 16

Spacing 1,00 m Offset 1,00 m

Size X 14,00 m