

Comune di Quarrata - Piazza della Chiesa Tizzana

Designer Studio Tecnico

Date 22/03/2022

Application Ulysse 3.5.2

Description Verifica Illuminotecnica Piazza della Chiesa Tizzana

Categoria C2

Valentino 24led 700mA 53W ottica 5119

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1. Fixtures

1.1. VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402

Type VALENTINO LED

Reflector 5119

Source 24 LEDs 700mA WW730

Protector Piano, Vetro extra chiaro, Liscio

Source flux 7,485 klm

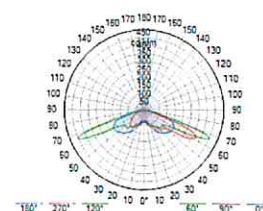
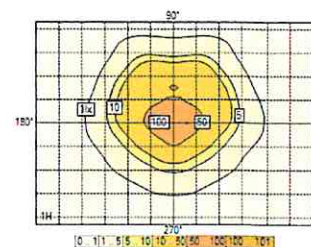
Luminaire wattage 53,5 W

MF 0,80

Matrix 452402

Luminaire flux 5,326 klm

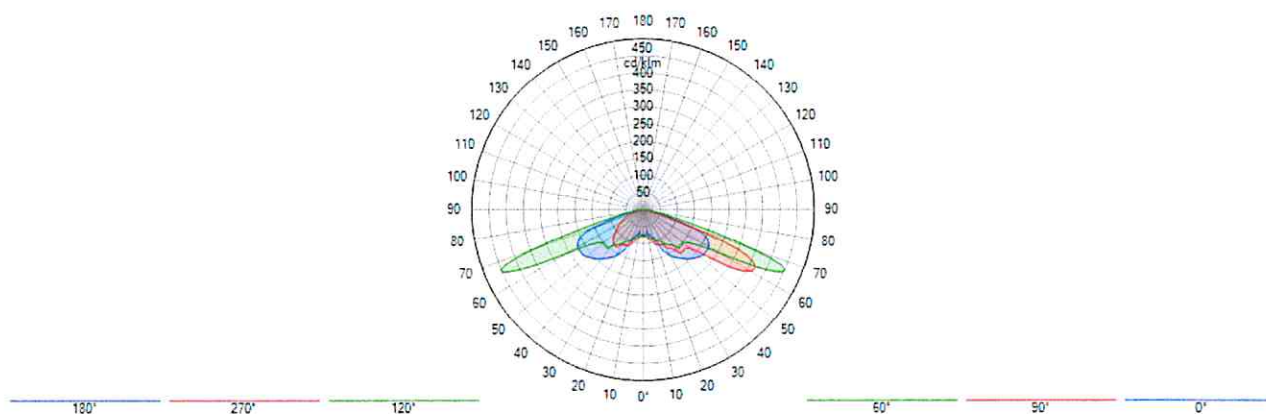
Efficacy 100 lm/W



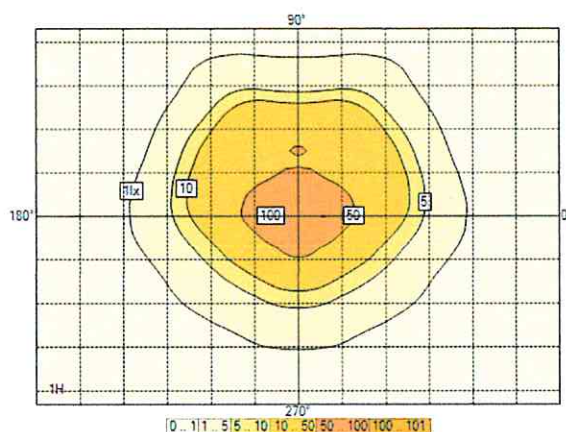
2. Photometric documents

2.1. VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402

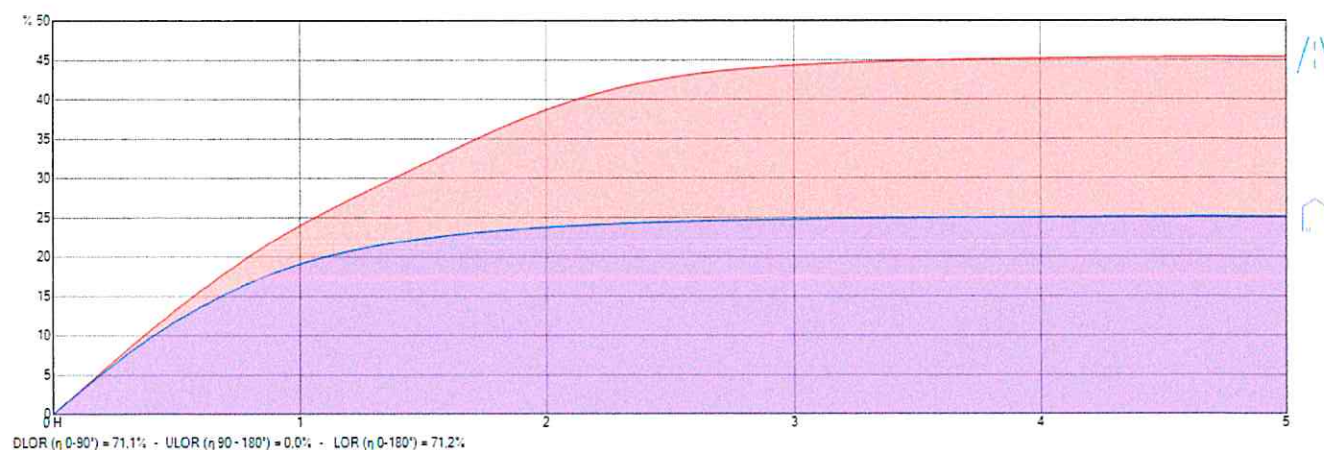
Polar/Cartesian diagram



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	39,4	38	21	14,9	70,3



4. Power consumption

4.1. Configuration

Fixture	Current [mA]	Qty	Dimming	Power / Fixture	Total
VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	700	8	100 %	53 W	426 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
	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	700	7,485	5,326	53,3	100	0,800	8 x 4,00	

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	2,37	1,70	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	358,6	0,0	0,0	7,485	0,800	2,37	1,70	0,00
<input checked="" type="checkbox"/>		2	4,49	1,53	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	0,5	0,0	0,0	7,485	0,800	4,49	1,53	0,00
<input checked="" type="checkbox"/>		3	5,95	19,10	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	179,0	0,0	0,0	7,485	0,800	5,95	19,10	0,00
<input checked="" type="checkbox"/>		4	7,85	19,21	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	181,0	0,0	0,0	7,485	0,800	7,85	19,21	0,00
<input checked="" type="checkbox"/>		5	19,88	1,64	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	357,9	0,0	0,0	7,485	0,800	19,88	1,64	0,00
<input checked="" type="checkbox"/>		6	20,16	19,04	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	180,5	0,0	0,0	7,485	0,800	20,16	19,04	0,00
<input checked="" type="checkbox"/>		7	21,44	1,42	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	20,7	0,0	0,0	7,485	0,800	21,44	1,42	0,00
<input checked="" type="checkbox"/>		8	21,89	19,10	4,00	VALENTINO LED 24 LEDs 700mA WW730 Piano, Vetro extra chiaro, Liscio 5119 452402	-	180,0	0,0	0,0	7,485	0,800	21,89	19,10	0,00

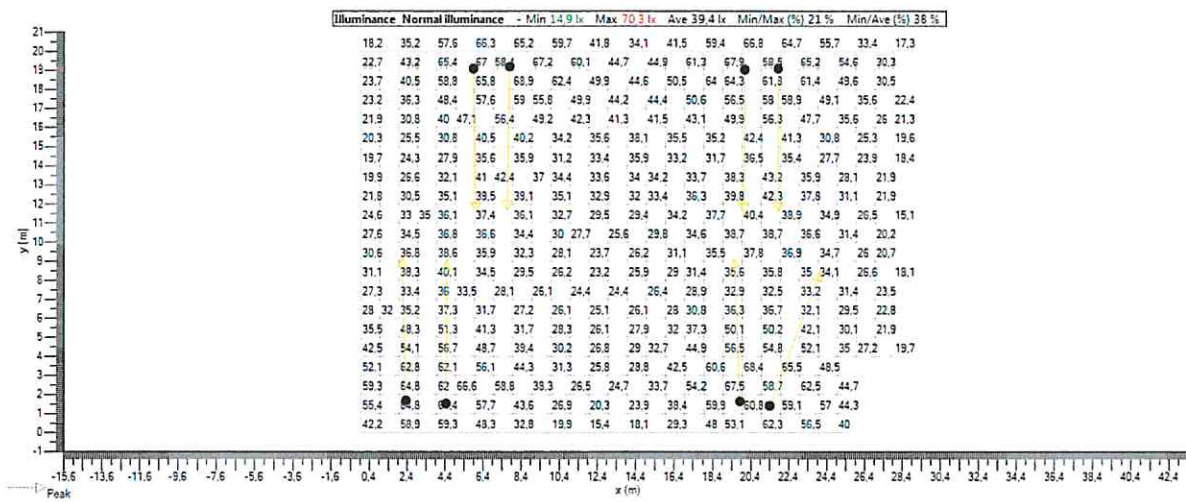
5.3. Luminaire groups

Single											
	Color	N°	Position			Luminaire					
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]	
<input checked="" type="checkbox"/>		1	2,37	1,70	4,00	Luminaire single	358,6	0,0	0,0	100	
<input checked="" type="checkbox"/>		2	4,49	1,53	4,00	Luminaire single (1)	0,5	0,0	0,0	100	

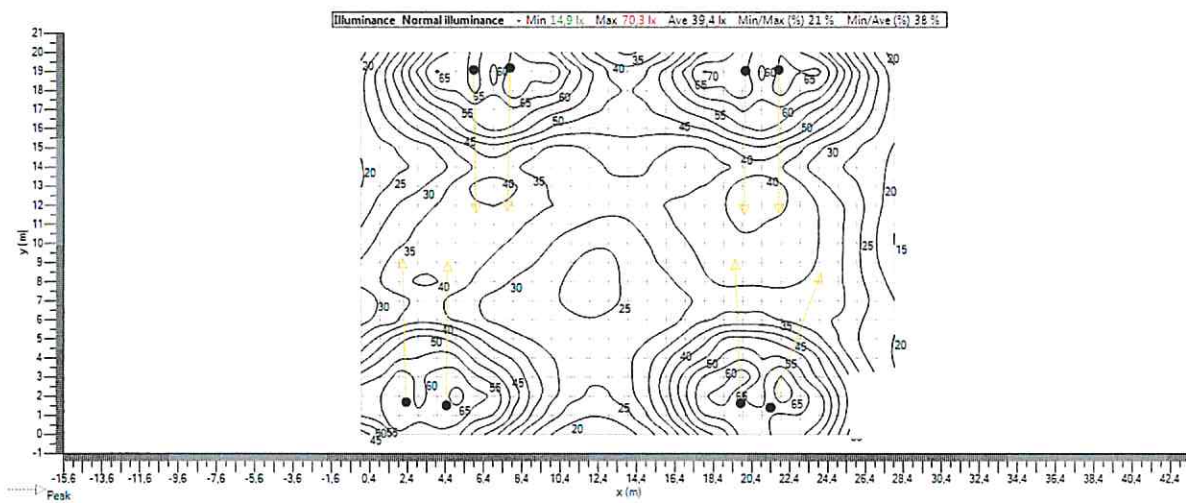
<input checked="" type="checkbox"/>		3	5,95	19,10	4,00	Luminaire single (2)	179,0	0,0	0,0	100
<input checked="" type="checkbox"/>		4	7,85	19,21	4,00	Luminaire single (3)	181,0	0,0	0,0	100
<input checked="" type="checkbox"/>		5	19,88	1,64	4,00	Luminaire single (6)	357,9	0,0	0,0	100
<input checked="" type="checkbox"/>		6	20,16	19,04	4,00	Luminaire single (4)	180,5	0,0	0,0	100
<input checked="" type="checkbox"/>		7	21,44	1,42	4,00	Luminaire single (7)	20,7	0,0	0,0	100
<input checked="" type="checkbox"/>		8	21,89	19,10	4,00	Luminaire single (5)	180,0	0,0	0,0	100

5.4. Grid rectangular XY - Normal

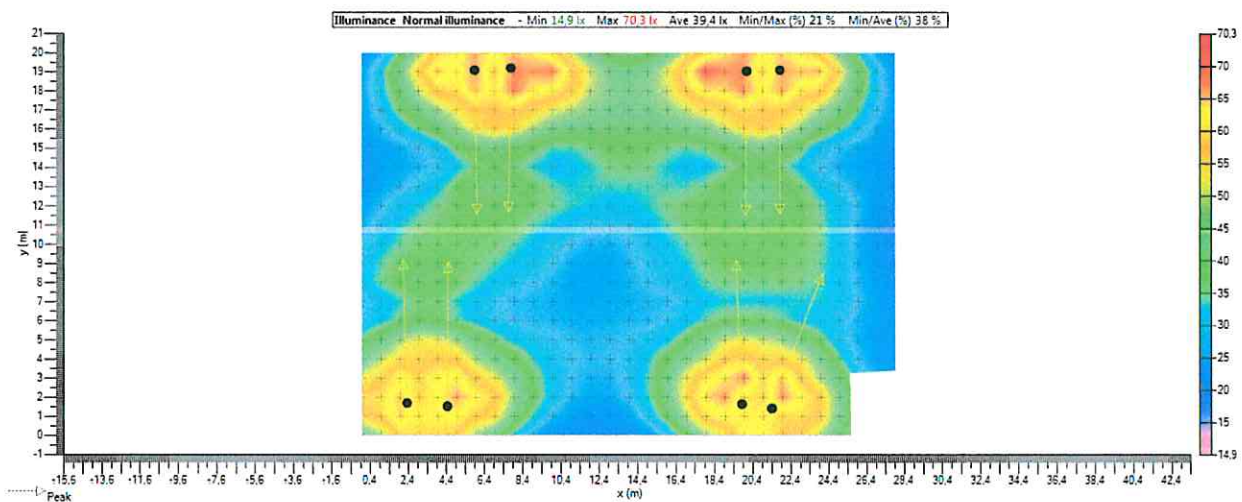
Values



Isolevel



Shading



6. Grids


6.1. Grid rectangular XY

General

Type Grid rectangular XY

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 29	Count Y 21	
	Spacing X 1,00 m	Spacing Y 1,00 m	
	Size X 28,00 m	Size Y 20,00 m	