Experts in lightability™

Schréder

21HC192 B - MALLA 1 VIA M3



Diseñador Dep. Técnico Schréder

Proyecto # 21HC192 A.P. I.E. CAMACHO CARREÑO

Estudio # 21HC192 B - MALLA 1 VIA M3

Fecha 7/07/2021

Application Ulysse 3.5.3

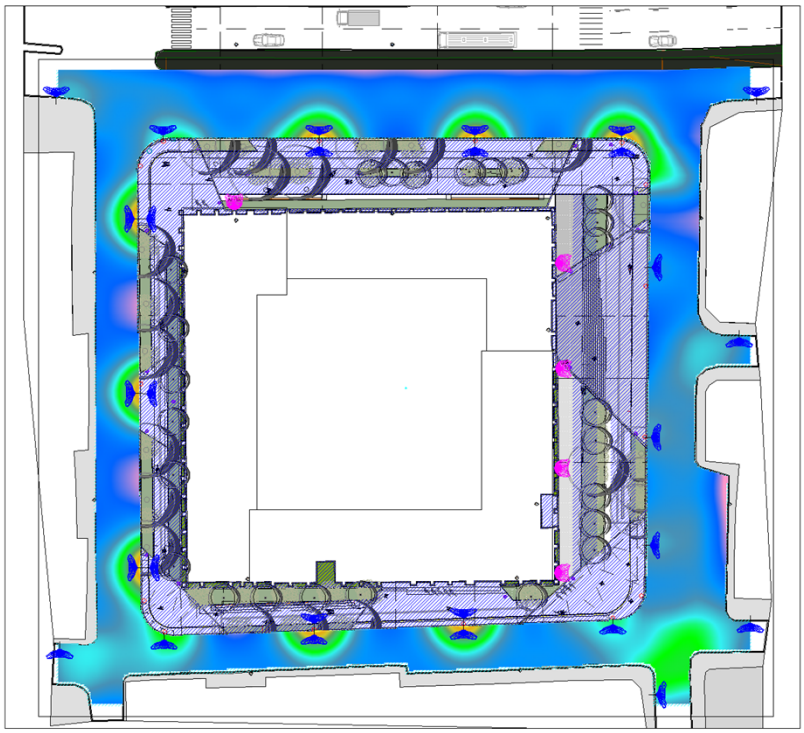
Description Calculado por: Felipe Varón

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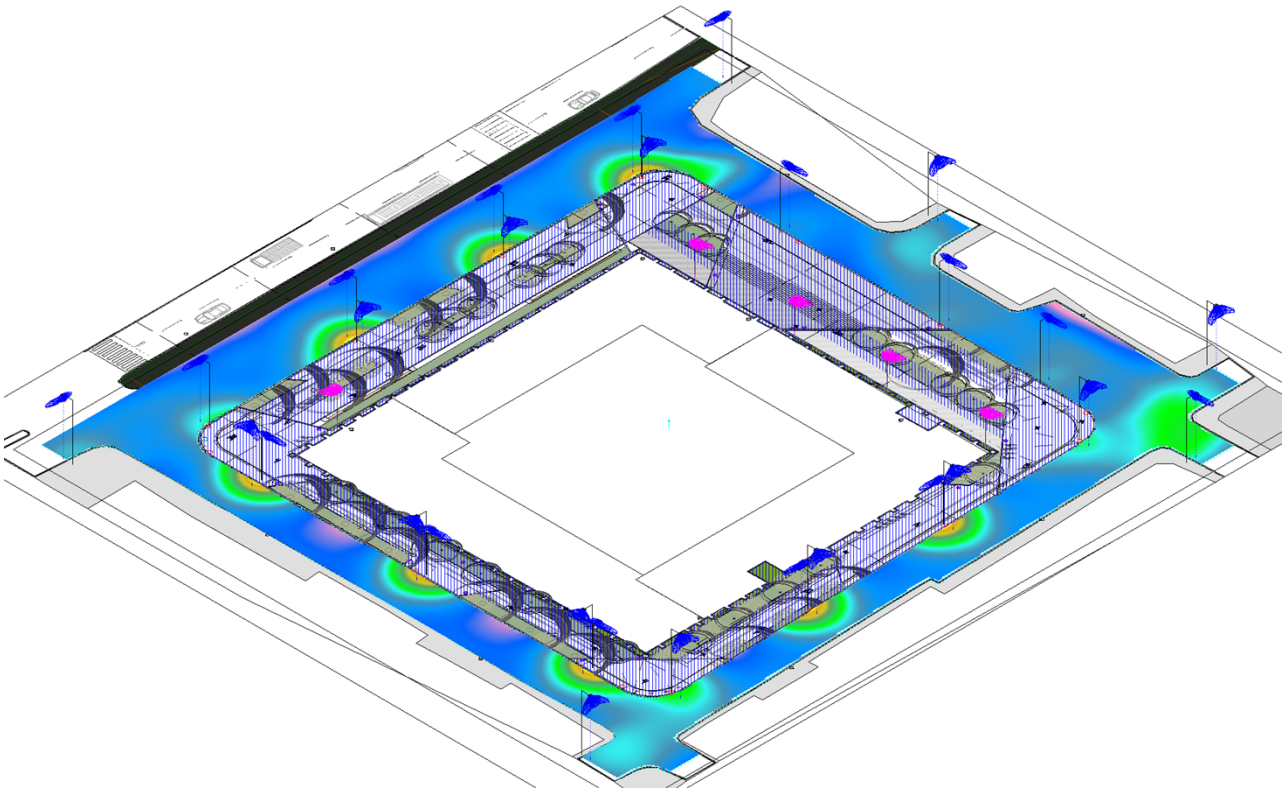
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1. Instantanea

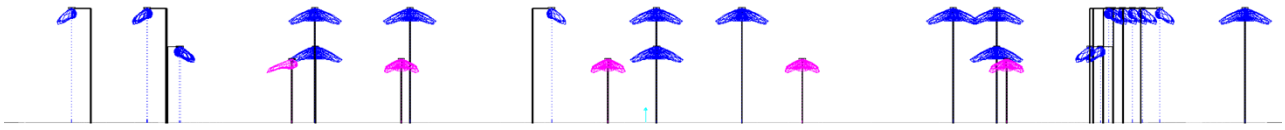
1.1. VISTA SUPERIOR; ALTURA DE MONTAJE: 9 / 6 m



1.2. VISTA ISOMETRICA; RETROCESO: 0.6 m



1.3. VISTA LATERAL; BRAZO: 1.5 / 1 m; INCLINACIÓN: 0 °



2. Aparatos

2.1. YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892

Tipo YOA MIDI

Reflector 5141

Fuente 32 LEDs 700mA NW740

Protector Flat glass

Flujo de lámpara 10,500 klm

Potencia 69,5 W

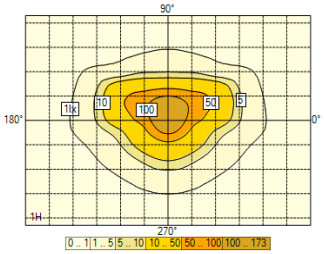
FM 0,90

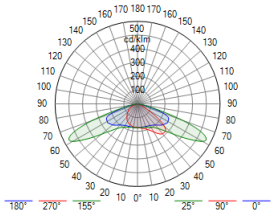
Matriz 437892

Flujo luminaria 8,716 klm

Eficiencia 125 lm/W







2.2. YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232

Tipo YOA MIDI

Reflector 5119

Fuente 24 LEDs 700mA NW740

Protector Flat glass

Flujo de lámpara 7,875 klm

Potencia 53,0 W

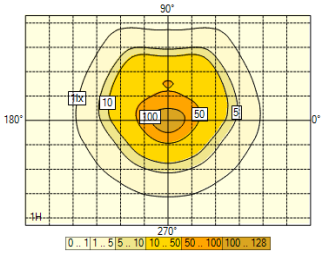
FM 0,90

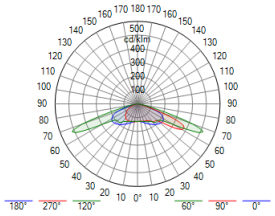
Matriz 437232

Flujo luminaria 6,430 klm

Eficiencia 121 lm/W



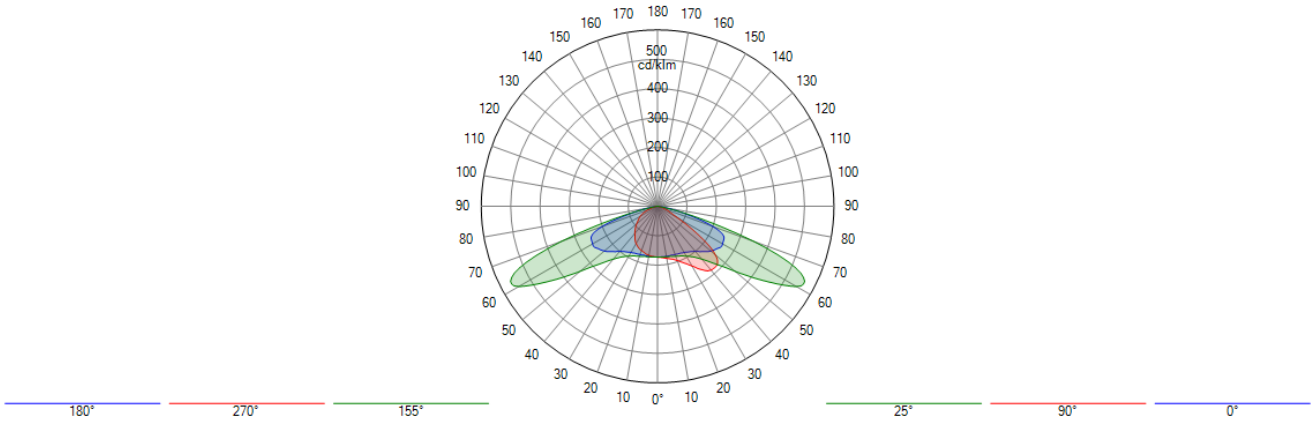




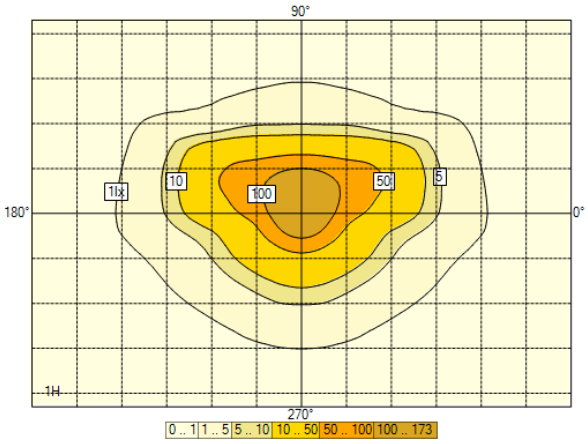
3. Documentos fotometricos

3.1. YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892

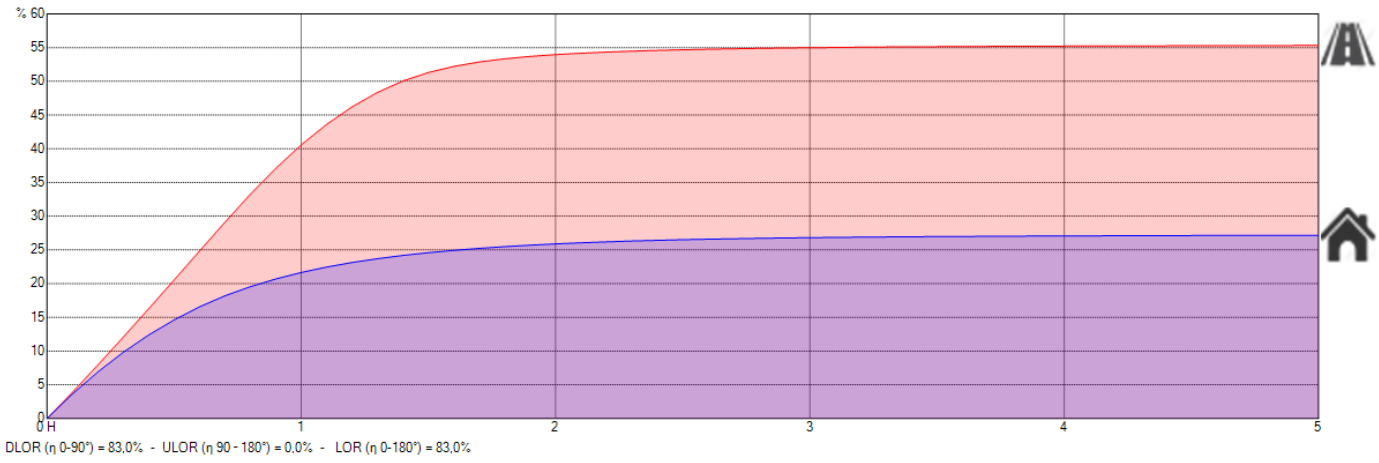
Diagrama Polar/Cartesiano



Isolux



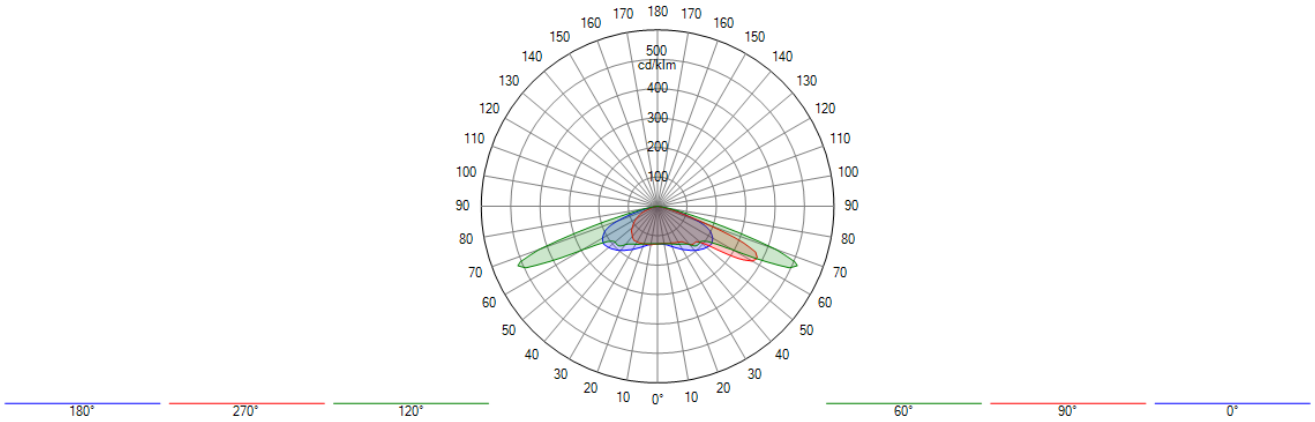
Curva de utilización



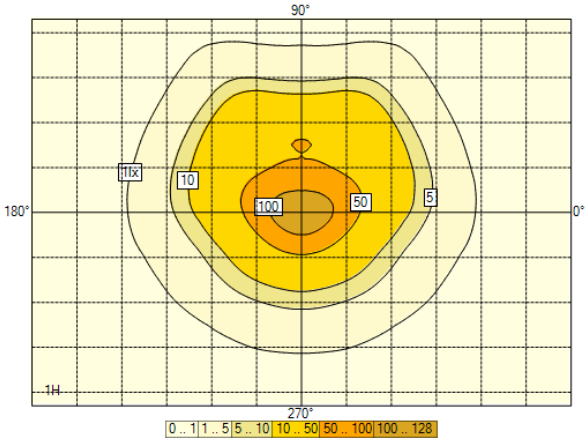
DLOR (η 0-90°) = 83,0% - ULOR (η 90 - 180°) = 0,0% - LOR (η 0-180°) = 83,0%

3.2. YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232

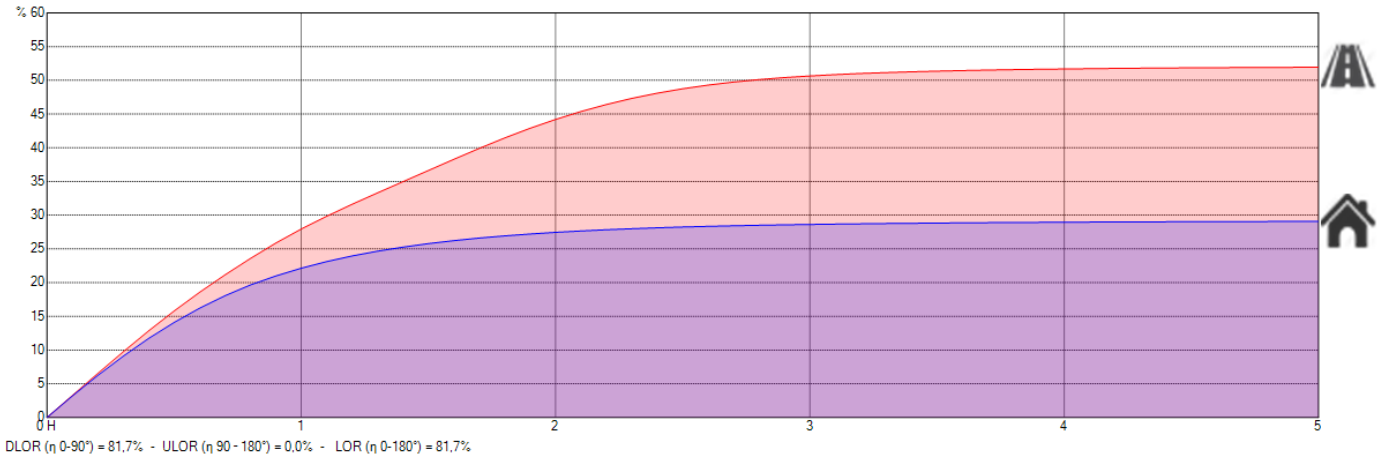
Diagrama Polar/Cartesiano



Isolux



Curva de utilización



DLOR (η 0-90°) = 81,7% - ULOR (η 90 - 180°) = 0,0% - LOR (η 0-180°) = 81,7%

4. Resultados

4.1. Resumen de malla

VIA M3

ÁREA CRÍTICA C3 (IL : Ave = 15,00 lux Uo = 40 %)

1. Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)
Configuration	26	44	19	11	61

5. Power consumption

5.1. Configuration

Aparato	Current [mA]	_qty	Dimming	Potencia / Aparato	Total
YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	700	5	100 %	53 W	264 W
YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	700	28	100 %	70 W	1950 W

6. Configuration

6.1. Descripcion de la matriz

Ph. color	Descripcion	Current [mA]	Flujo de lámpara [klm]	Flujo luminaria [klm]	Potencia [W]	Eficiencia [lm/W]	FM	Altura [m]	Aparato
	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	700	7,875	6,430	52,8	122	0,900	5 x 5,00	
	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	700	10,500	8,716	69,7	125	0,900	8 x 6,00 20 x 9,00	

6.2. Posiciones de luminarias

	Color	Nº	Posicion			Luminaria							Objetivo		
			X [m]	Y [m]	Z [m]	Nombre	Current [mA]	Az [°]	Inc [°]	Rot [°]	Flujo [klm]	FM	X [m]	Y [m]	Z [m]
☑		1	7,86	97,37	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	7,86	97,37	0,00
☑		2	8,40	11,80	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	8,40	11,80	0,00
☑		3	19,51	78,24	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	270,0	0,0	0,0	10,500	0,900	19,51	78,24	0,00
☑		4	19,61	51,40	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	270,0	0,0	0,0	10,500	0,900	19,61	51,40	0,00
☑		5	19,98	24,64	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	270,0	0,0	0,0	10,500	0,900	19,98	24,64	0,00
☑		6	22,08	78,21	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	22,08	78,21	0,00
☑		7	22,20	51,37	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	22,20	51,37	0,00
☑		8	22,59	24,64	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	22,59	24,64	0,00
☑		9	24,28	91,46	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	24,28	91,46	0,00
☑		10	24,44	13,19	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	24,44	13,19	0,00
☑		11	35,23	80,06	5,00	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	-	0,0	0,0	0,0	7,875	0,900	35,23	80,06	0,00
☑		12	47,51	13,96	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	47,51	13,96	0,00

☑		13	47,52	16,48	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	47,52	16,48	0,00
☑		14	48,28	88,94	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	48,28	88,94	0,00
☑		15	48,28	91,46	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	48,28	91,46	0,00
☑		16	70,49	14,75	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	70,49	14,75	0,00
☑		17	70,49	17,29	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	70,49	17,29	0,00
☑		18	72,26	88,91	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	72,26	88,91	0,00
☑		19	72,26	91,46	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	72,26	91,46	0,00
☑		20	84,92	23,86	5,00	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	-	90,0	0,0	0,0	7,875	0,900	84,92	23,86	0,00
☑		21	84,92	39,93	5,00	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	-	90,0	0,0	0,0	7,875	0,900	84,92	39,93	0,00
☑		22	85,05	71,45	5,00	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	-	90,0	0,0	0,0	7,875	0,900	85,05	71,45	0,00
☑		23	85,08	55,20	5,00	YOA MIDI 24 LEDs 700mA NW740 Flat glass 5119 437232	-	90,0	0,0	0,0	7,875	0,900	85,08	55,20	0,00
☑		24	93,44	15,55	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	93,44	15,55	0,00
☑		25	94,83	88,83	6,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	94,83	88,83	0,00
☑		26	94,83	91,40	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	94,83	91,40	0,00
☑		27	99,55	28,07	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	99,55	28,07	0,00
☑		28	99,71	44,67	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	99,71	44,67	0,00
☑		29	99,85	70,78	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	99,85	70,78	0,00
☑		30	100,52	5,11	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	90,0	0,0	0,0	10,500	0,900	100,52	5,11	0,00
☑		31	112,88	59,64	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	112,88	59,64	0,00
☑		32	114,58	15,82	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	180,0	0,0	0,0	10,500	0,900	114,58	15,82	0,00
☑		33	115,52	97,37	9,00	YOA MIDI 32 LEDs 700mA NW740 Flat glass 5141 437892	-	0,0	0,0	0,0	10,500	0,900	115,52	97,37	0,00

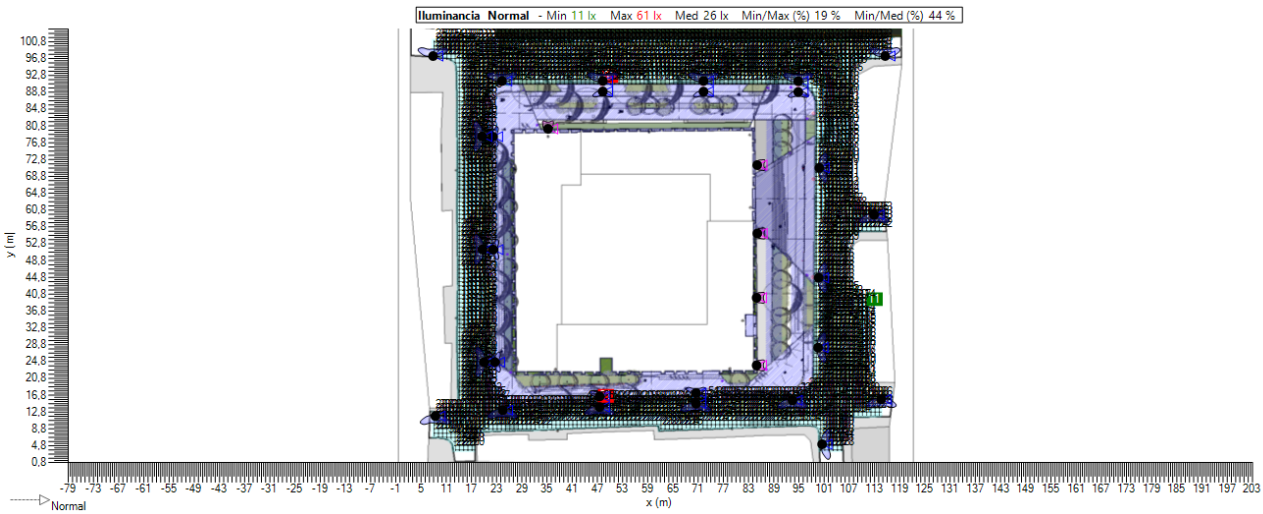
6.3. Grupos de luminarias

Unica										
	Color	Nº	Posicion			Luminaria				
			X [m]	Y [m]	Z [m]	Nombre	Az [°]	Inc [°]	Rot [°]	Dim [%]
☑		1	7,86	97,37	9,00	1 (18)	0,0	0,0	0,0	100
☑		2	8,40	11,80	9,00	1 (19)	180,0	0,0	0,0	100
☑		3	19,51	78,24	9,00	1 (14)	270,0	0,0	0,0	100
☑		4	19,61	51,40	9,00	1 (13)	270,0	0,0	0,0	100
☑		5	19,98	24,64	9,00	1 (12)	270,0	0,0	0,0	100
☑		6	22,08	78,21	6,00	2	90,0	0,0	0,0	100
☑		7	22,20	51,37	6,00	2 (10)	90,0	0,0	0,0	100
☑		8	22,59	24,64	6,00	2 (9)	90,0	0,0	0,0	100
☑		9	24,28	91,46	9,00	1	0,0	0,0	0,0	100
☑		10	24,44	13,19	9,00	1 (11)	180,0	0,0	0,0	100
☑		11	35,23	80,06	5,00	POST-TOP (3)	0,0	0,0	0,0	100
☑		12	47,51	13,96	9,00	1 (10)	180,0	0,0	0,0	100
☑		13	47,52	16,48	6,00	2 (8)	0,0	0,0	0,0	100
☑		14	48,28	88,94	6,00	2 (1)	180,0	0,0	0,0	100
☑		15	48,28	91,46	9,00	1 (1)	0,0	0,0	0,0	100
☑		16	70,49	14,75	9,00	1 (9)	180,0	0,0	0,0	100
☑		17	70,49	17,29	6,00	2 (7)	0,0	0,0	0,0	100
☑		18	72,26	88,91	6,00	2 (2)	180,0	0,0	0,0	100

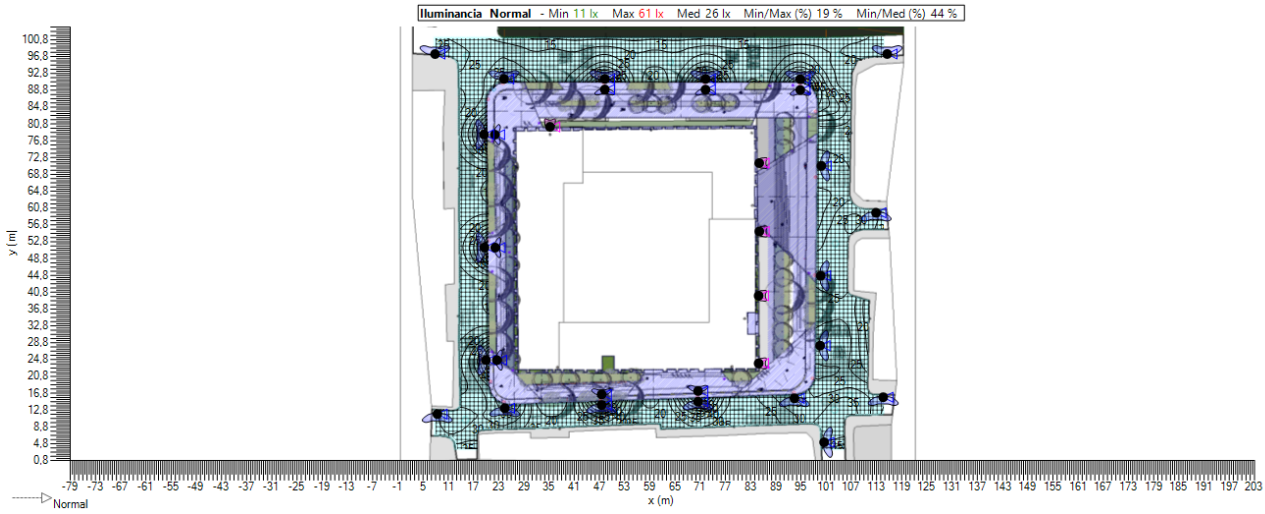
☑	■	19	72,26	91,46	9,00	1 (2)	0,0	0,0	0,0	100
☑	■	20	84,92	23,86	5,00	POST-TOP (4)	90,0	0,0	0,0	100
☑	■	21	84,92	39,93	5,00	POST-TOP (1)	90,0	0,0	0,0	100
☑	■	22	85,05	71,45	5,00	POST-TOP	90,0	0,0	0,0	100
☑	■	23	85,08	55,20	5,00	POST-TOP (2)	90,0	0,0	0,0	100
☑	■	24	93,44	15,55	9,00	1 (8)	180,0	0,0	0,0	100
☑	■	25	94,83	88,83	6,00	2 (3)	180,0	0,0	0,0	100
☑	■	26	94,83	91,40	9,00	1 (3)	0,0	0,0	0,0	100
☑	■	27	99,55	28,07	9,00	1 (7)	90,0	0,0	0,0	100
☑	■	28	99,71	44,67	9,00	1 (6)	90,0	0,0	0,0	100
☑	■	29	99,85	70,78	9,00	1 (5)	90,0	0,0	0,0	100
☑	■	30	100,52	5,11	9,00	1 (20)	90,0	0,0	0,0	100
☑	■	31	112,88	59,64	9,00	1 (16)	180,0	0,0	0,0	100
☑	■	32	114,58	15,82	9,00	1 (15)	180,0	0,0	0,0	100
☑	■	33	115,52	97,37	9,00	1 (17)	0,0	0,0	0,0	100

6.4. VIA M3 - Normal

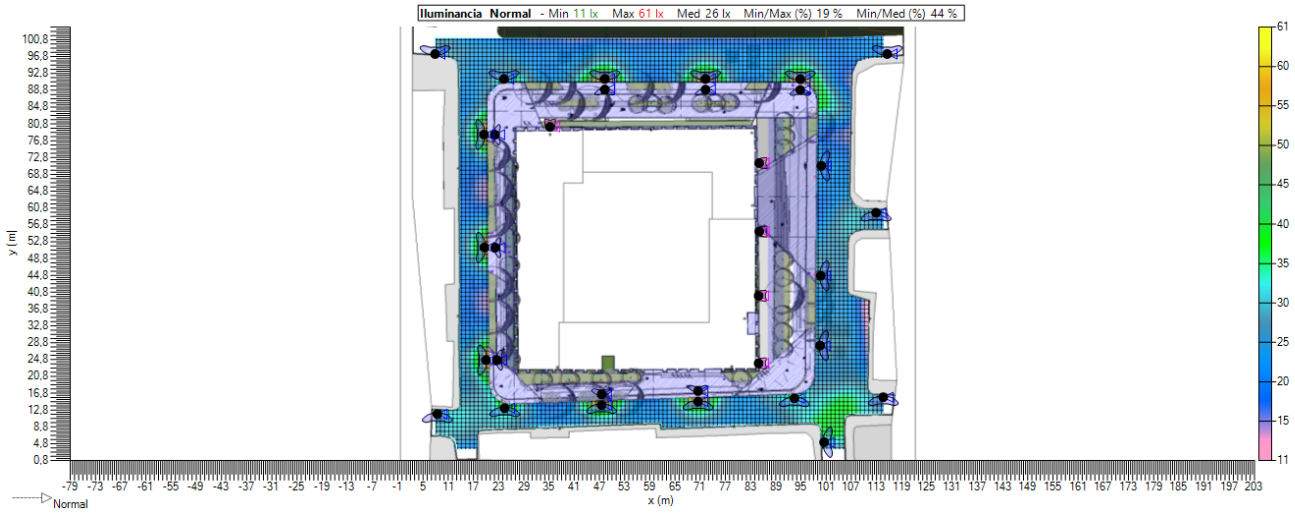
Valores



Isolevel



Sombreado



7. Mallas

7.1. VIA M3

General

Tipo	Malla rectangular XY
Exclusion	Filtrado
Activado	☑
Color	

Geometria

Origen	**X** 5,14 m	**Y** 1,75 m	**Z** 0,00 m
Rotacion	**X** 0,0 °	**Y** 0,0 °	**Z** 0,0 °
Dimension	**Numero X** 114	**Numero Y** 102	
	Interdistancia X 1,00 m	**Interdistancia Y** 1,00 m	
	Tamaño X 113,00 m	**Tamaño Y** 101,00 m	