

Alumbrado Publico

Standard CIE 140

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Proyecto # AV. JUAN LEON MERA

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Application Ulysse 3.5.12

Description PROYECTOS FINANCIAMIENTO JICA

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1. Aparatos

1.1. 50C-LED SYL-STREET 150W_IESNA2002

Tipo SYL-STREET LED 150W 4000K Class II

Fuente SYL-STREET LED 150W Class II

Flujo de lámpara 1,000 klm

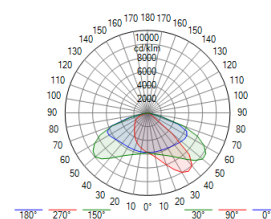
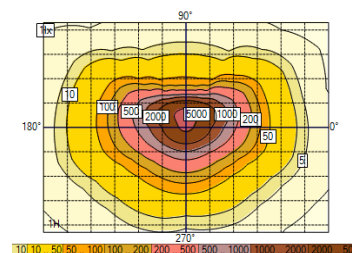
Potencia 150,9 W

FM 1,00

Matriz 50C-LED SYL-STREET 150W_IESNA2002

Flujo luminaria 23,168 klm

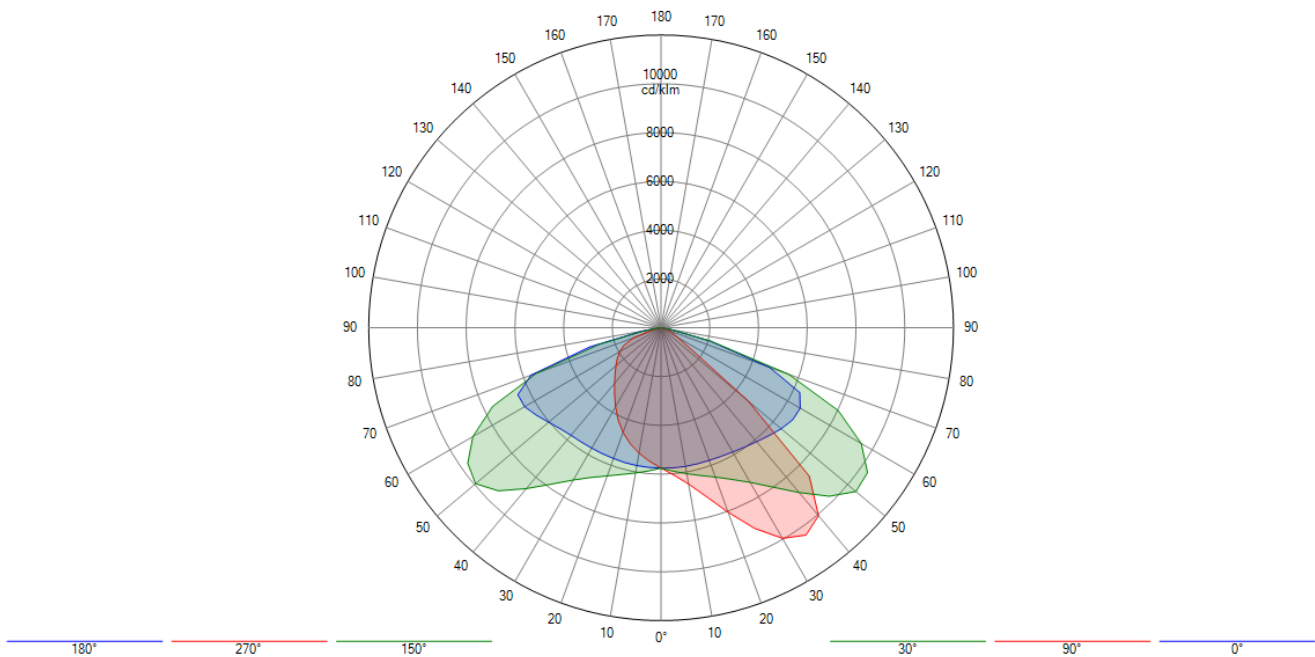
Eficiencia 154 lm/W



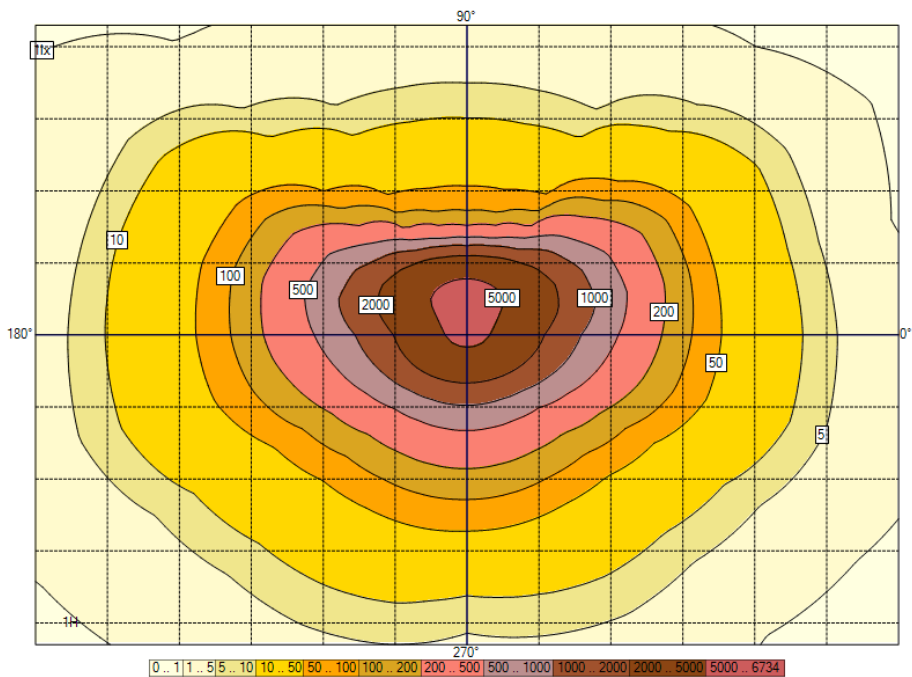
2. Documentos fotometricos

2.1. 50C-LED SYL-STREET 150W_IESNA2002

Diagrama Polar/Cartesiano



Isolux

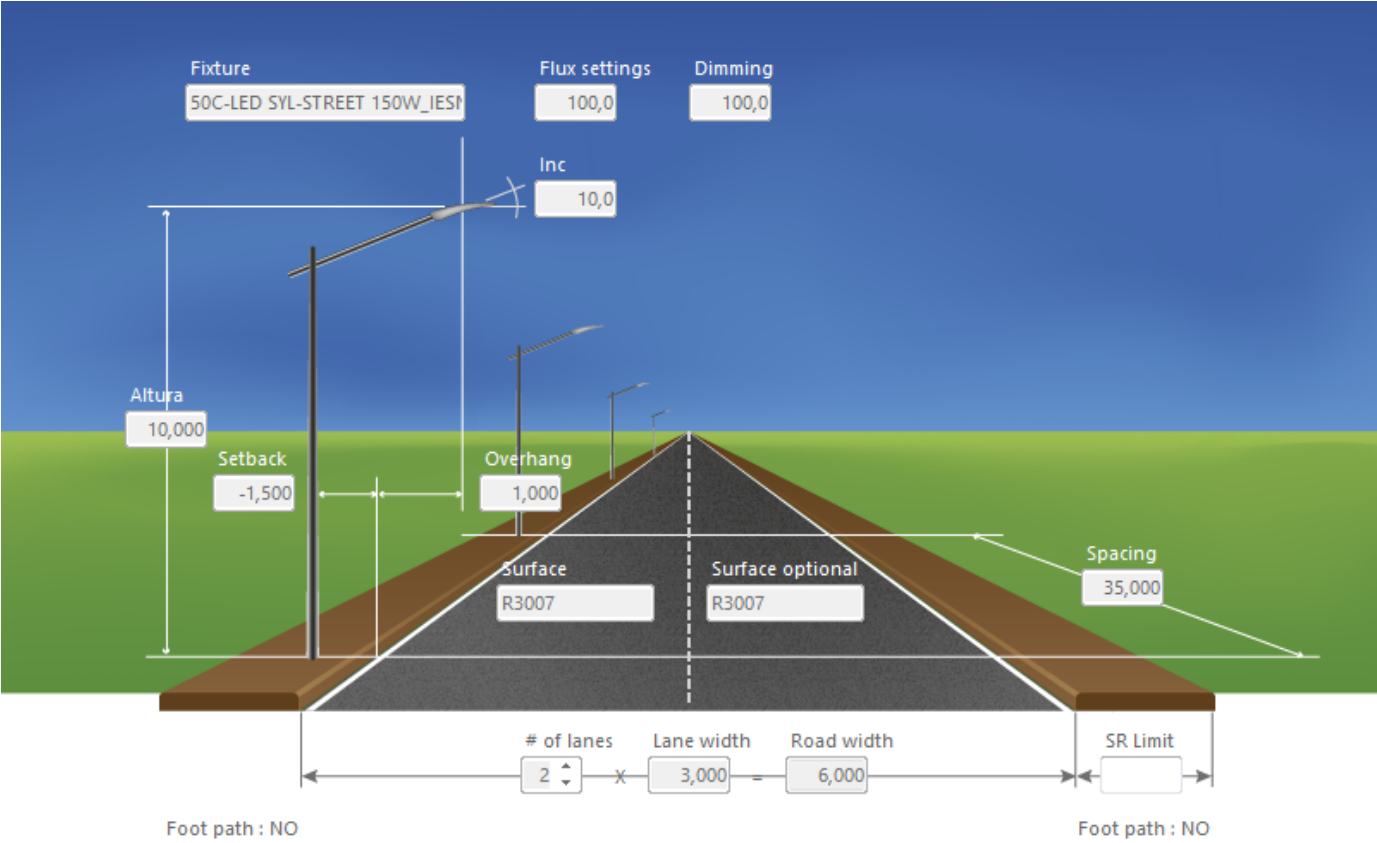


3. Estandar

3.1. Reporte estandar

Calculations according to CIE 140

Selected lighting class Carretera : M2 - LU : Ave = 1,50 cd/m² Uo = 40 % UI = 70 % UoW = 15 % TI : 10 % SR : 0,50



3.2. Resultados

Potencia por Km 4,311 kW

Carretera (LU)

Luminance

UI 1	77 %	✓	70,00 %
UI 2	81 %	✓	70,00 %

Luminancia

Med	1,94 cd/m²	✓	1,50 cd/m²
Min	1,30 cd/m²	N/A	
Uo	67 %	✓	40,00 %
UoW	67 %	✓	15,00 %

Valores

SR	0,9	✓	0,5
TI	6,1	✓	10,0

4. Configuracion

4.1. 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
	50C-LED SYL-STREET 150W_IESNA2002		1,000	23,168	150,9	154	1,000	6 x 10,00	

4.2. Posiciones de luminarias

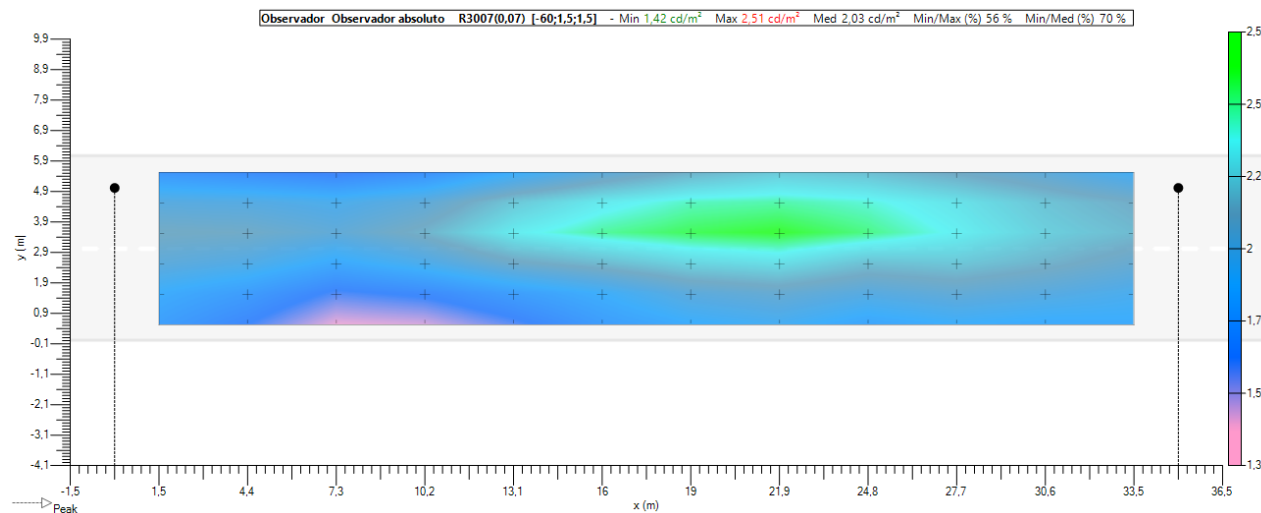
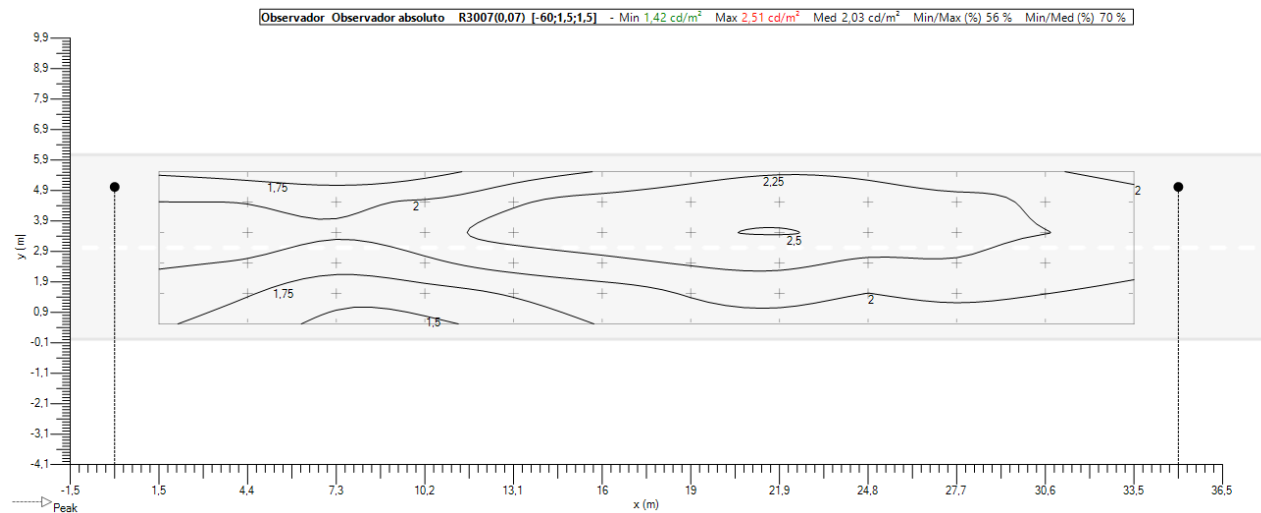
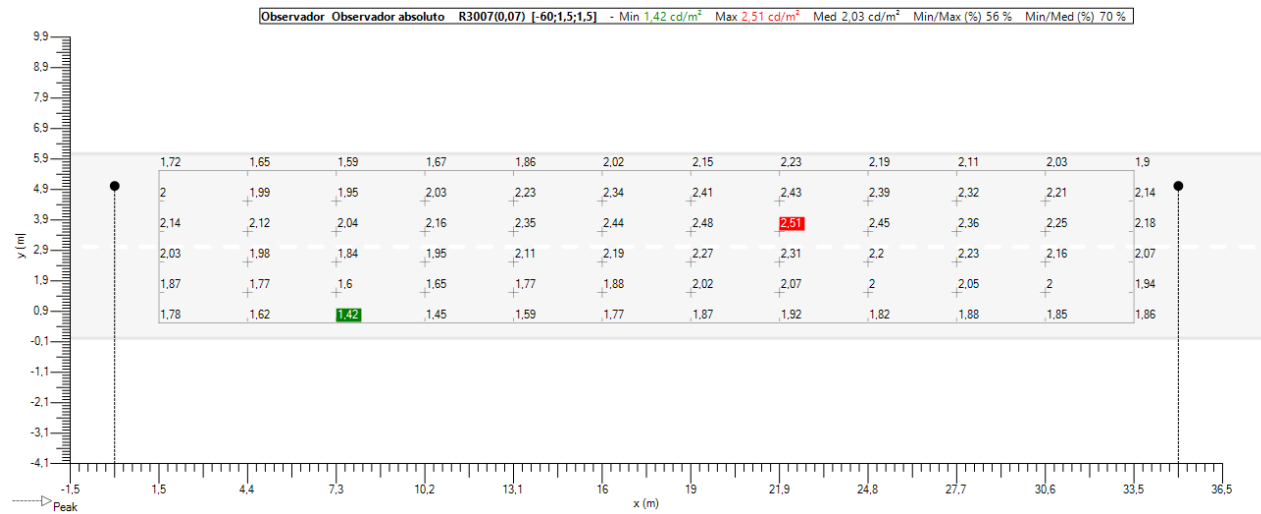
	Color	Nº	Posicion			Luminaria								Objetivo		
			X [m]	Y [m]	Z [m]	Nombre	Current [mA]	Az [°]	Inc [°]	Incl (Imax) [°]	Rot [°]	Flujo [klm]	FM	X [m]	Y [m]	Z [m]
☒		1	-35,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	-35,00	3,24	0,00
☒		2	0,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	0,00	3,24	0,00
☒		3	35,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	35,00	3,24	0,00
☒		4	70,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	70,00	3,24	0,00
☒		5	105,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	105,00	3,24	0,00
☒		6	140,00	5,00	10,00	50C-LED SYL-STREET 150W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	140,00	3,24	0,00

4.3. Grupos de luminarias

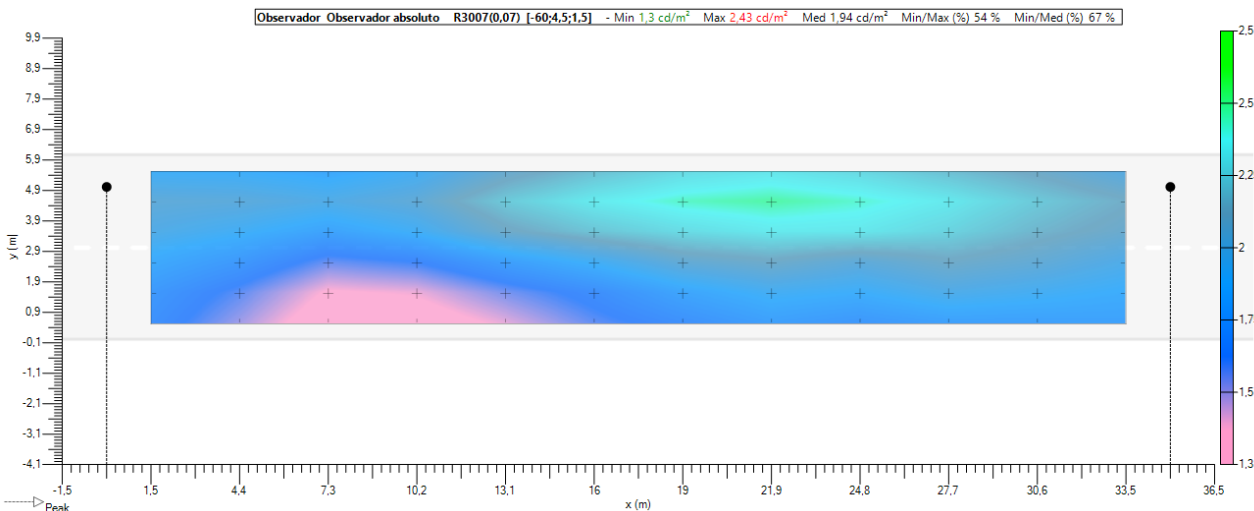
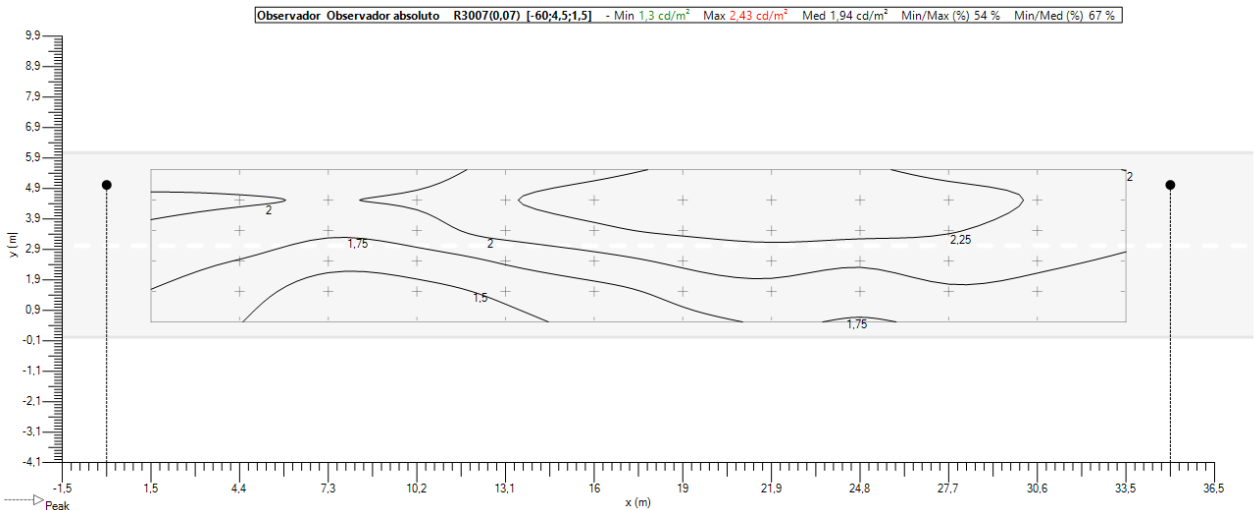
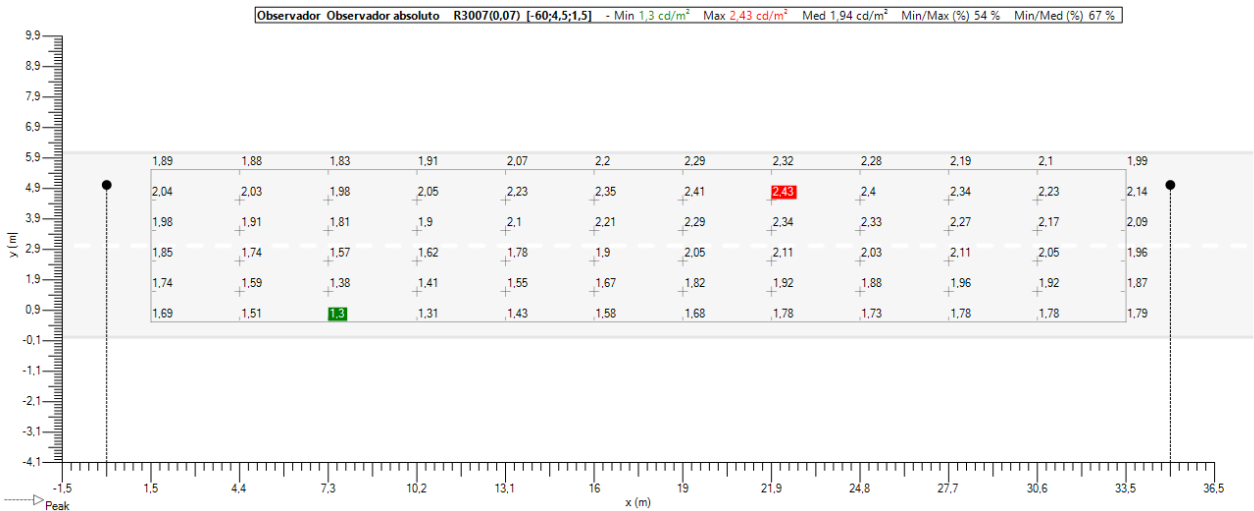
Lineal																
	Color	Nº	Posicion			Luminaria					Dimension			Rotacion		
			X [m]	Y [m]	Z [m]	Nombre	Az [°]	Inc [°]	Rot [°]	Dim [%]	Numero de luminarias	Interdistancia [m]	Tamaño [m]	X [°]	Y [°]	Z [°]
☒		1	-35,00	5,00	10,00	Izquierdo	180,0	10,0	0,0	100	6	35,00	175,00	0,0	0,0	0,0

4.4. Luminancia - Carretera (LU) - R3007

Carretera (LU) - Absoluto 1

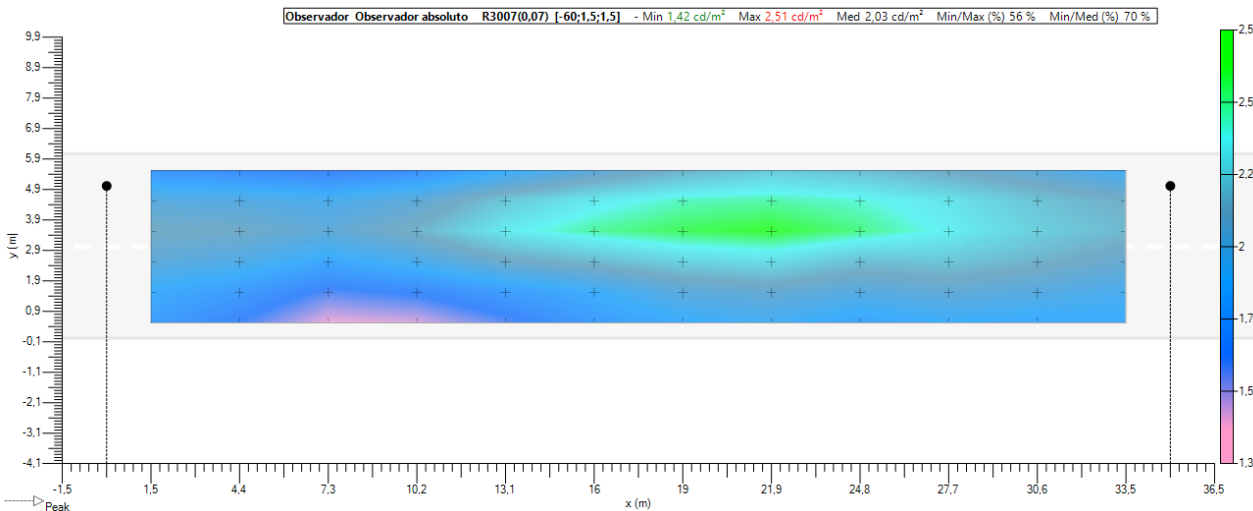
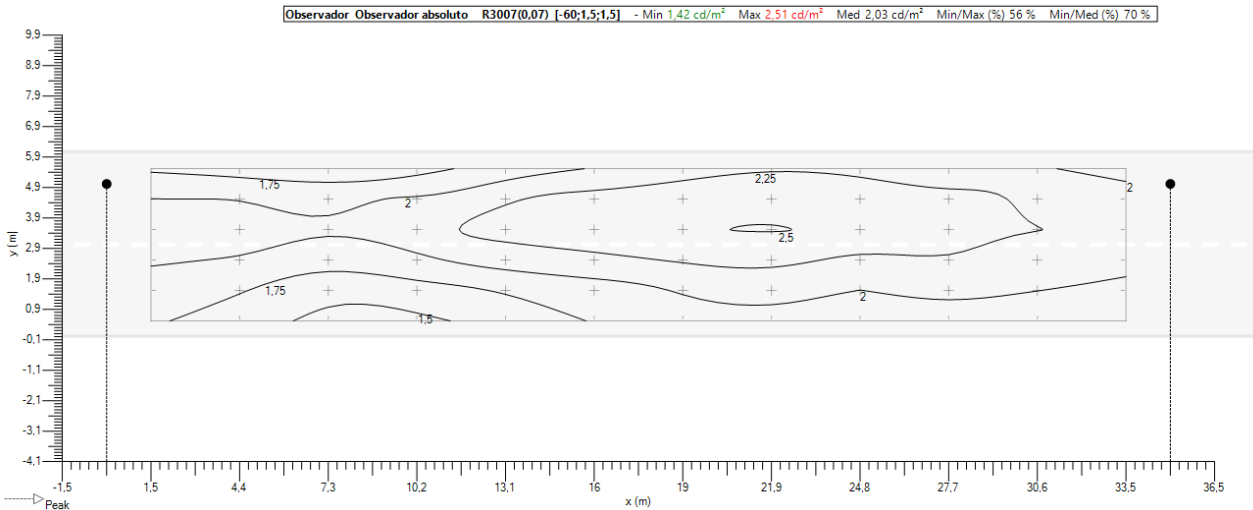
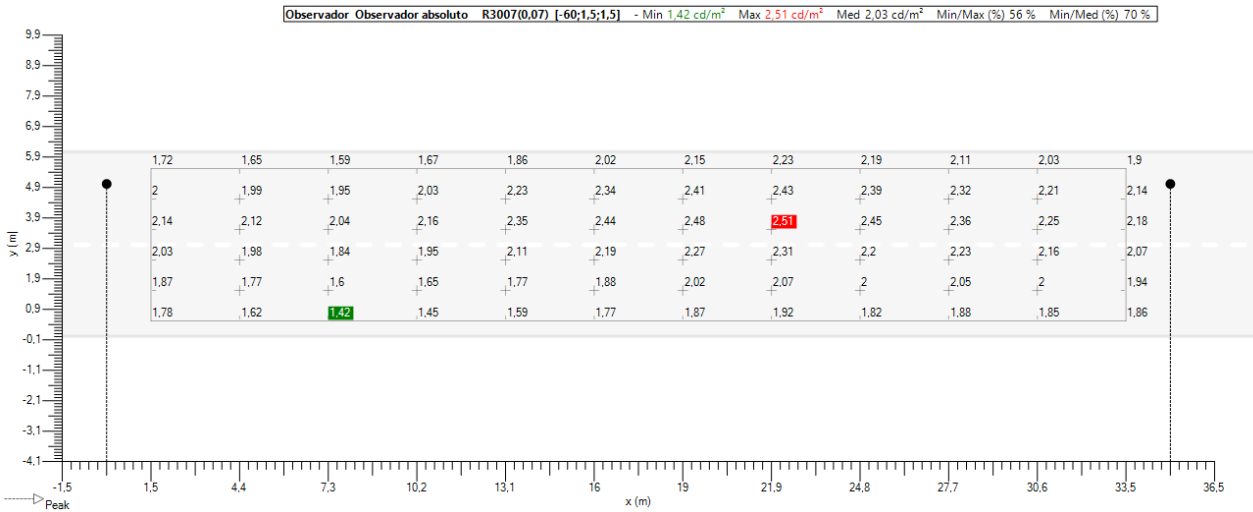


Carretera (LU) - Absoluto 2

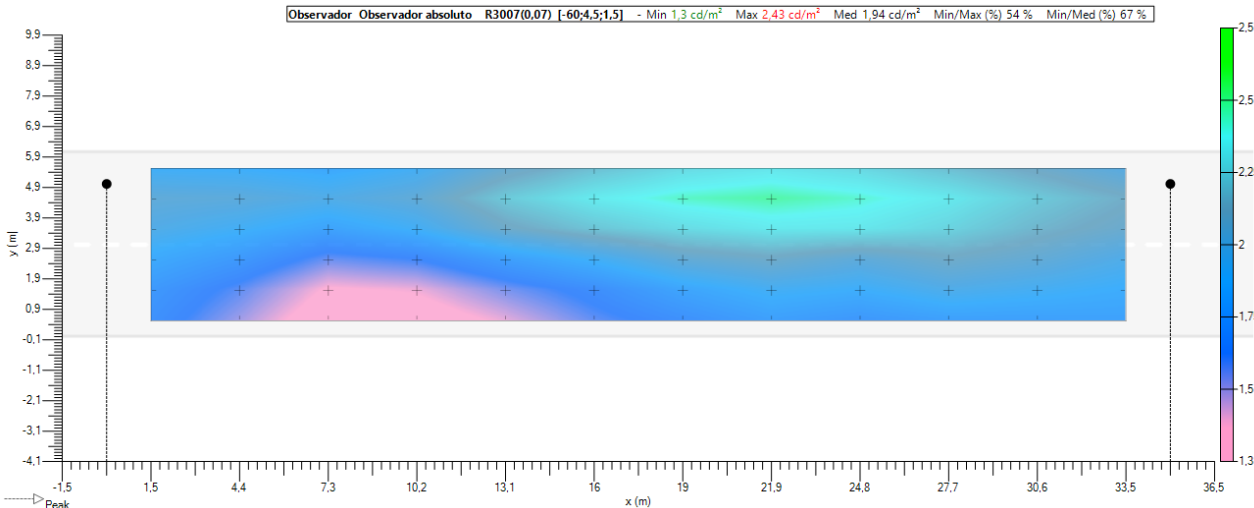
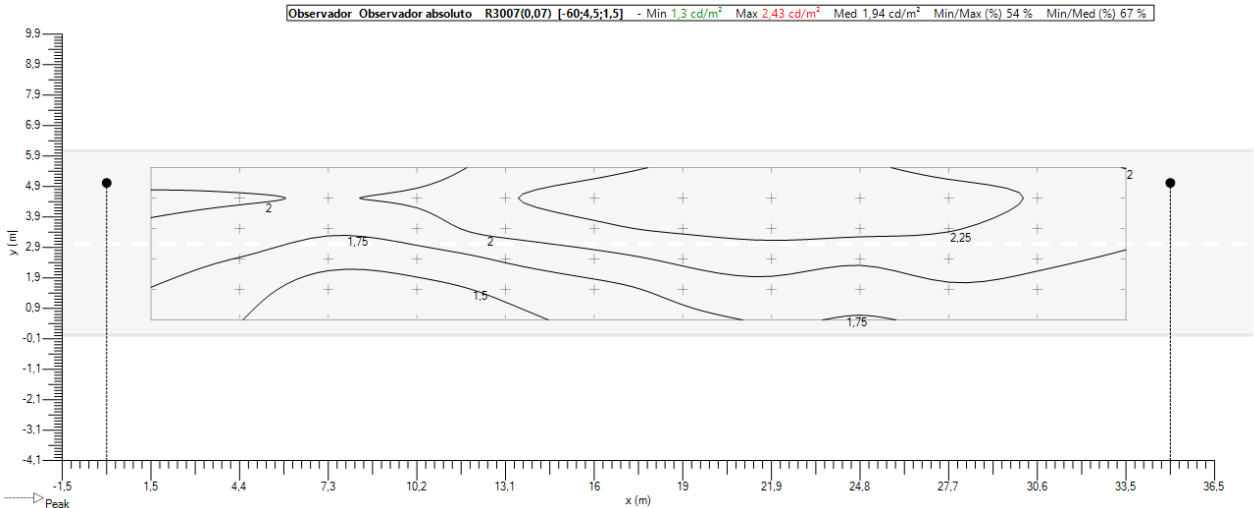
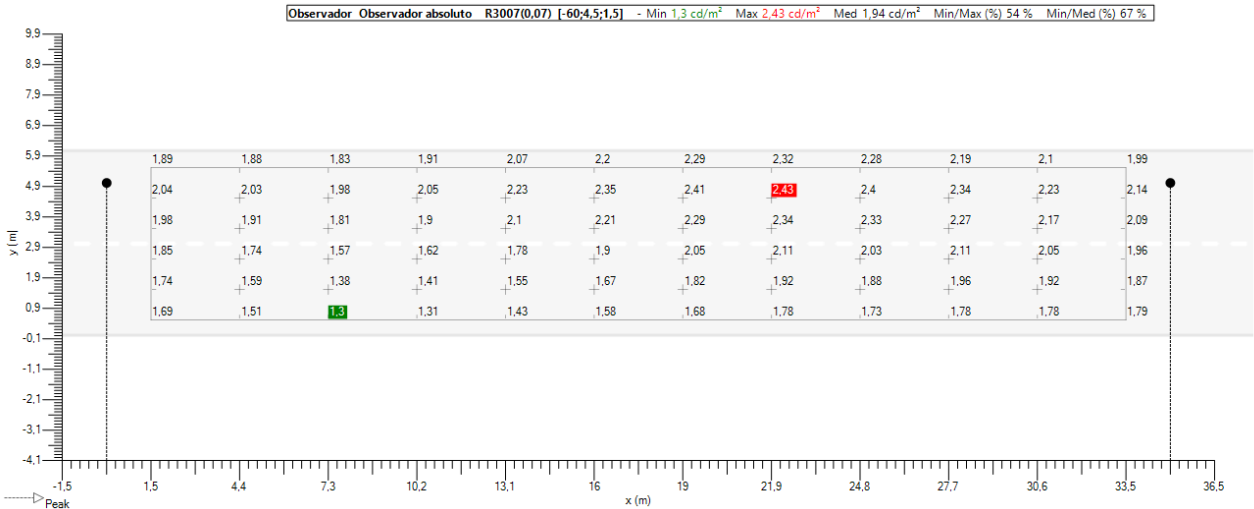


4.5. Luminancia - Carretera (LU) - R3007

Carretera (LU) - Optional - Absoluto 1

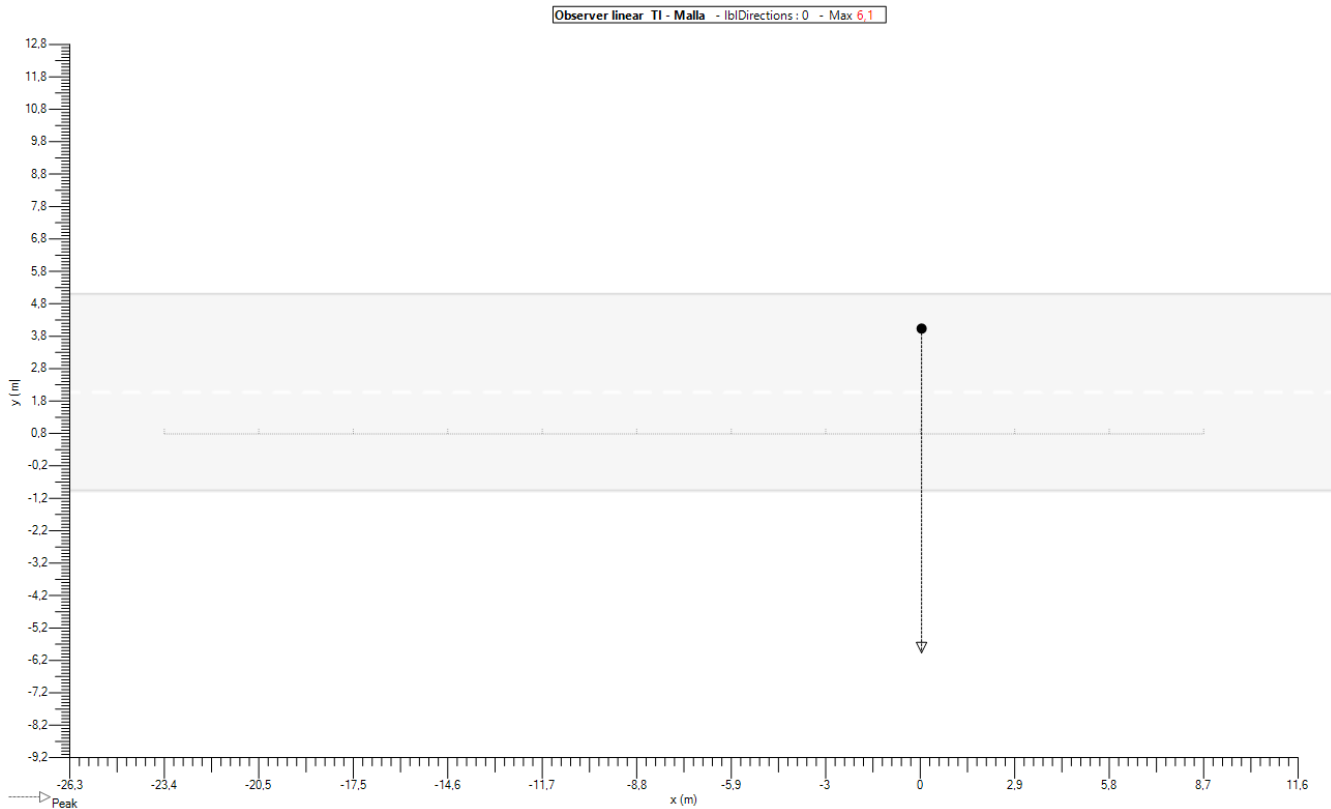


Carretera (LU) - Optional - Absoluto 2

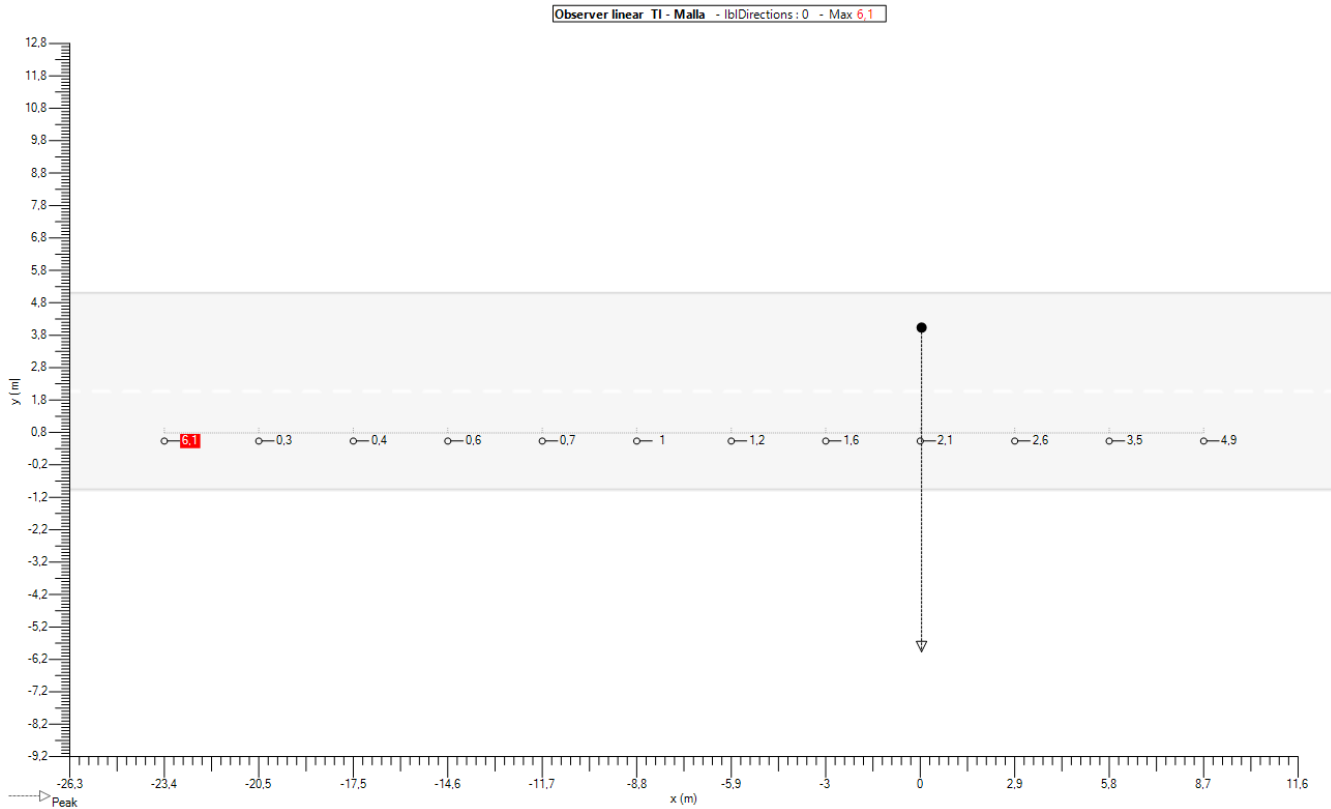


4.6. Carretera (TI) - TI - Malla

Implantation



Valores



5. Mallas

5.1. Carretera (LU)

General

Tipo Malla rectangular XY

Activado ☒

Color 

Geometria

Origen	X 1,46 m	Y 0,50 m	Z 0,00 m
Rotacion	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Numero X 12	Numero Y 6	
	Interdistanci a X 2,92 m	Interdistanci a Y 1,00 m	
	Tamaño X 32,08 m	Tamaño Y 5,00 m	

6. Observador

6.1. Carretera (TI)

General

Type Observer linear

En ☒

Color 

Directions 0,0

Calculation TI - Malla

Malla Carretera (TI)

Geometria

Origen X -23,38 m Y 1,50 m Z 1,50 m

Rotacion X 0,0 ° Y 0,0 ° Z 0,0 °

Dimension Nombre 12 Interdistancia 2,92 m Tamaño 32,08 m