

Alumbrado Publico

Standard CIE 140

Diseñador cristhian.gavino

Proyecto # SECTOR ESCUELA DEL MILENIO NARANJAL

Fecha 11/8/2026

Application Ulysse 3.5.12

Description PROYECTOS FINANCIAMIENTO JICA

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1. Aparatos

1.1. 52C-LED SYL-STREET 200W_IESNA2002

Tipo SYL-STREET LED 200W 4000K Class II

Fuente SYL-STREET LED 200W Class II

Flujo de lámpara 1,000 klm

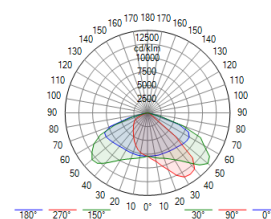
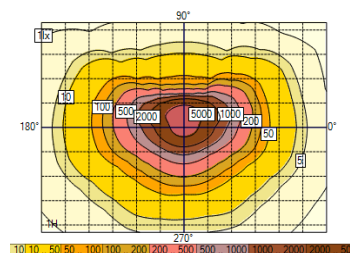
Potencia 199,0 W

FM 1,00

Matriz 52C-LED SYL-STREET 200W_IESNA2002

Flujo luminaria 30,796 klm

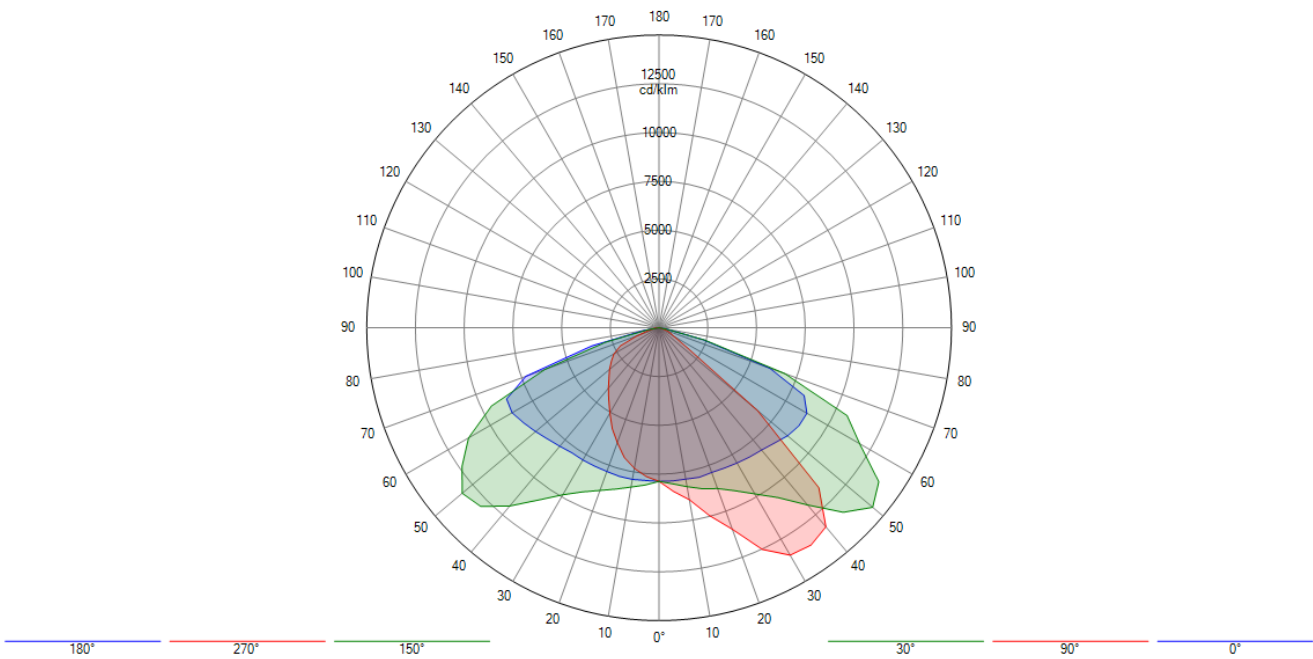
Eficiencia 155 lm/W



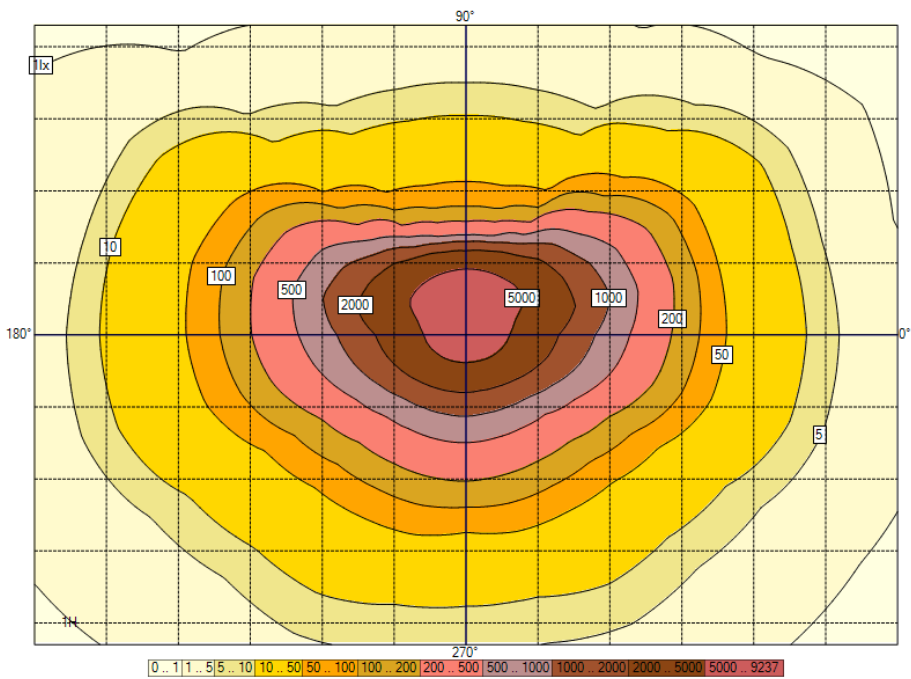
2. Documentos fotometricos

2.1. 52C-LED SYL-STREET 200W_IESNA2002

Diagrama Polar/Cartesiano



Isolux

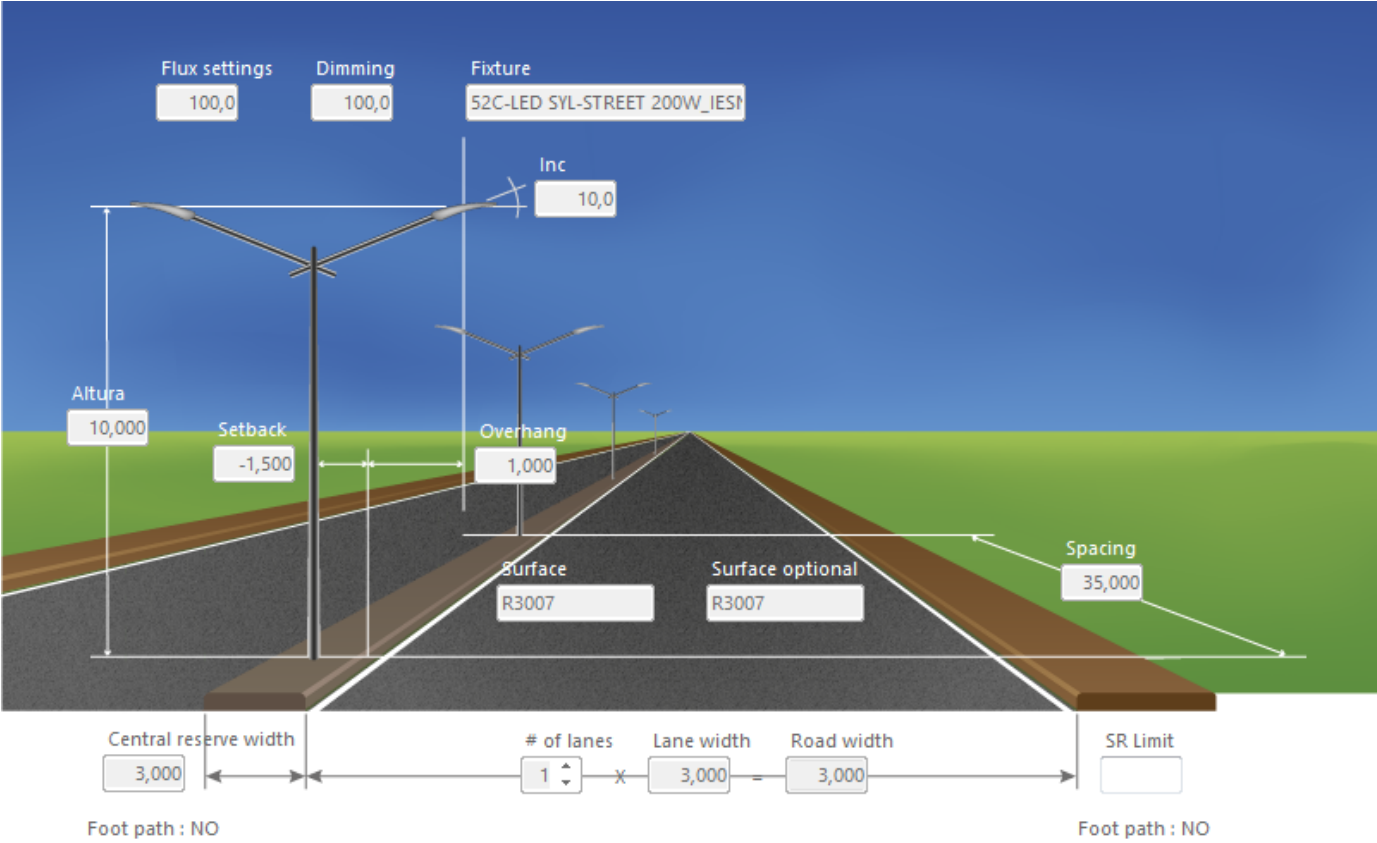


3. Estandar

3.1. Reporte estandar

Calculations according to CIE 140

Selected lighting class Carretera : M1 - LU : Ave = 2,00 cd/m² Uo = 40 % UI = 70 % UoW = 15 % TI : 10 % SR : 0,50



3.2. Resultados

Potencia por Km 11,369 kW

Carretera (LU)

Luminance

UI 1 82 % ✓ 70,00 %

Luminancia

Med 3,77 cd/m² ✓ 2,00 cd/m²

Min 2,99 cd/m² ⚠

Uo 79 % ✓ 40,00 %

UoW 79 % ✓ 15,00 %

Valores

SR 1,0 ✓ 0,5

TI 6,2 ✓ 10,0

4. Configuracion

4.1. 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	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	-35,00	0,24	0,00
☒	■	2	-35,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	-35,00	8,76	0,00
☒	■	3	0,00	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	0,00	0,24	0,00
☒	■	4	0,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	0,00	8,76	0,00
☒	■	5	35,00	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	35,00	0,24	0,00
☒	■	6	35,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	35,00	8,76	0,00
☒	■	7	70,00	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	70,00	0,24	0,00
☒	■	8	70,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	70,00	8,76	0,00
☒	■	9	105,00	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	105,00	0,24	0,00
☒	■	10	105,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	105,00	8,76	0,00
☒	■	11	140,00	2,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	180,0	10,0	45,0	0,0	1,000	1,000	140,00	0,24	0,00
☒	■	12	140,00	7,00	10,00	52C-LED SYL-STREET 200W_IESNA2002	-	0,0	10,0	45,0	0,0	1,000	1,000	140,00	8,76	0,00

4.2. Descripcion de la matriz

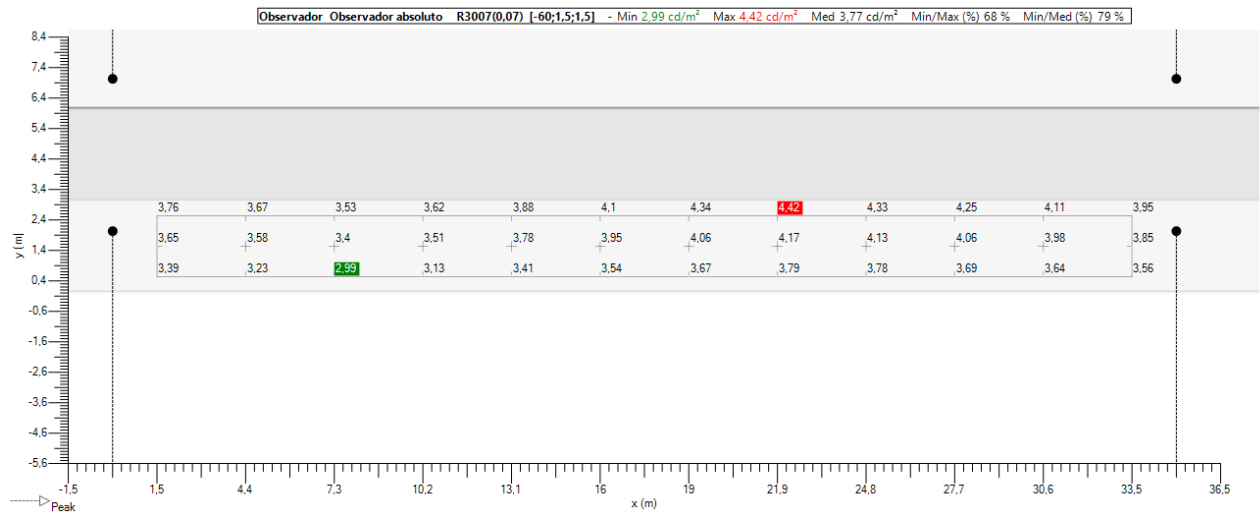
Ph. color	Descripcion	Current [mA]	Flujo de lámpara [klm]	Flujo luminaria [klm]	Potencia [W]	Eficiencia [lm/W]	FM	Altura [m]	Aparato
■	52C-LED SYL-STREET 200W_IESNA2002		1,000	30,796	199,0	155	1,000	12 x 10,00	

4.3. Grupos de luminarias

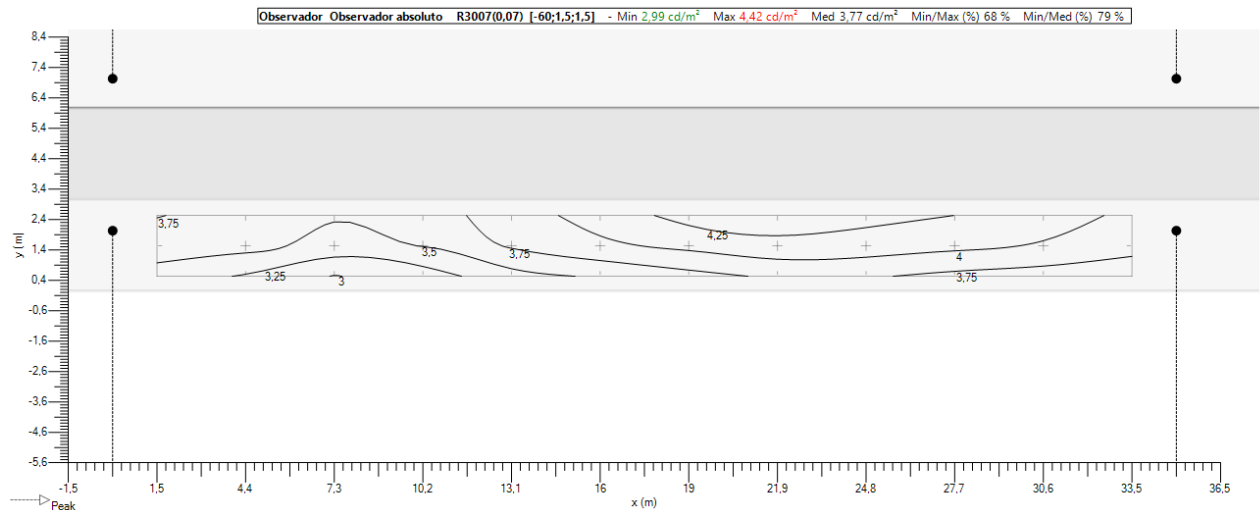
Pareja													
	Color	Nº	Posicion			Luminaria					Rotacion		
			X [m]	Y [m]	Z [m]	Nombre	Az [°]	Inc [°]	Rot [°]	Dim [%]	X [°]	Y [°]	Z [°]
☒	■	1	-35,00	2,00	10,00	Emparejar	0,0	10,0	0,0	100	0,0	0,0	0,0

4.4. Carretera (LU) - Luminancia Rtable - Absoluto 1

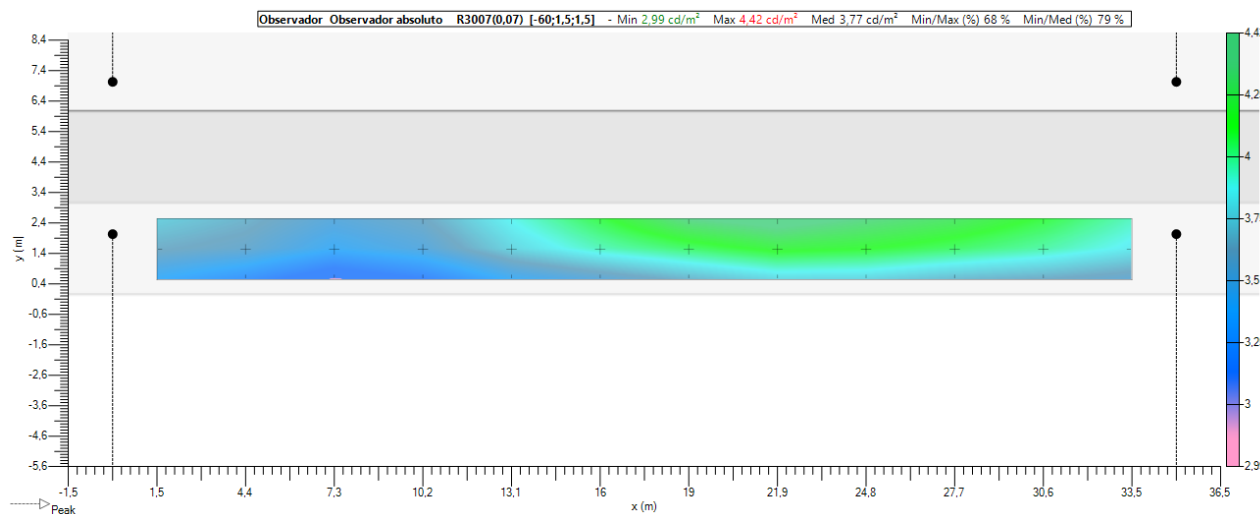
Valores



Isolevel

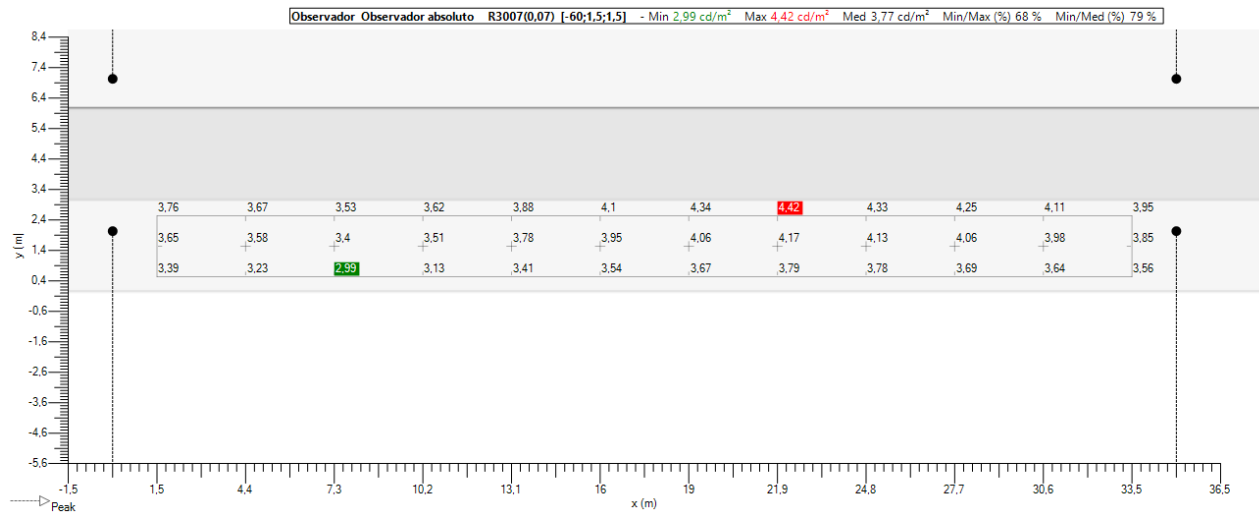


Sombreado

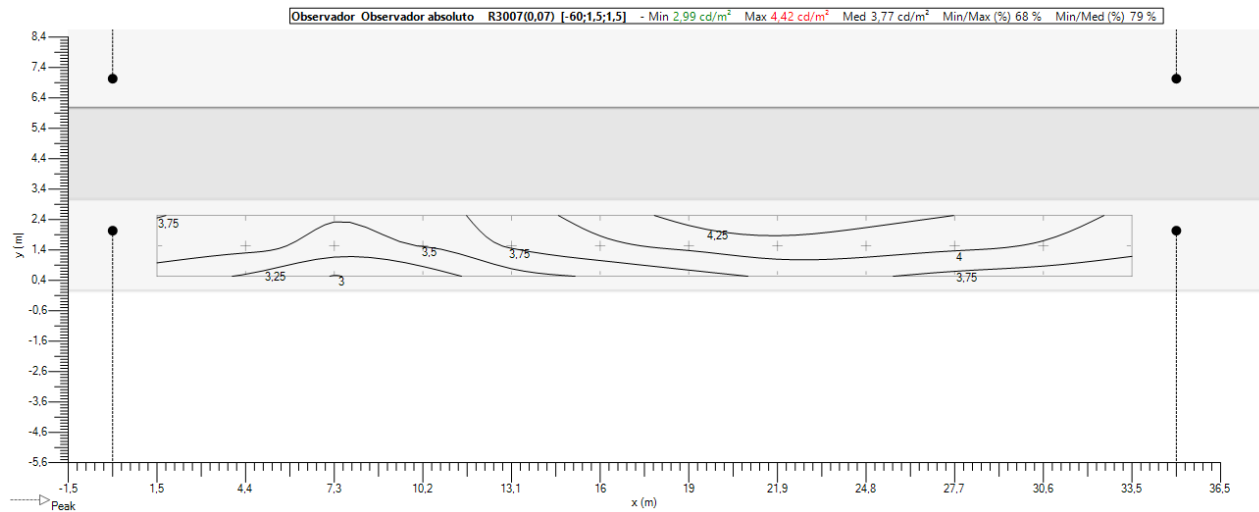


4.5. Carretera (LU) - Luminancia Rtable - Optional - Absoluto 1

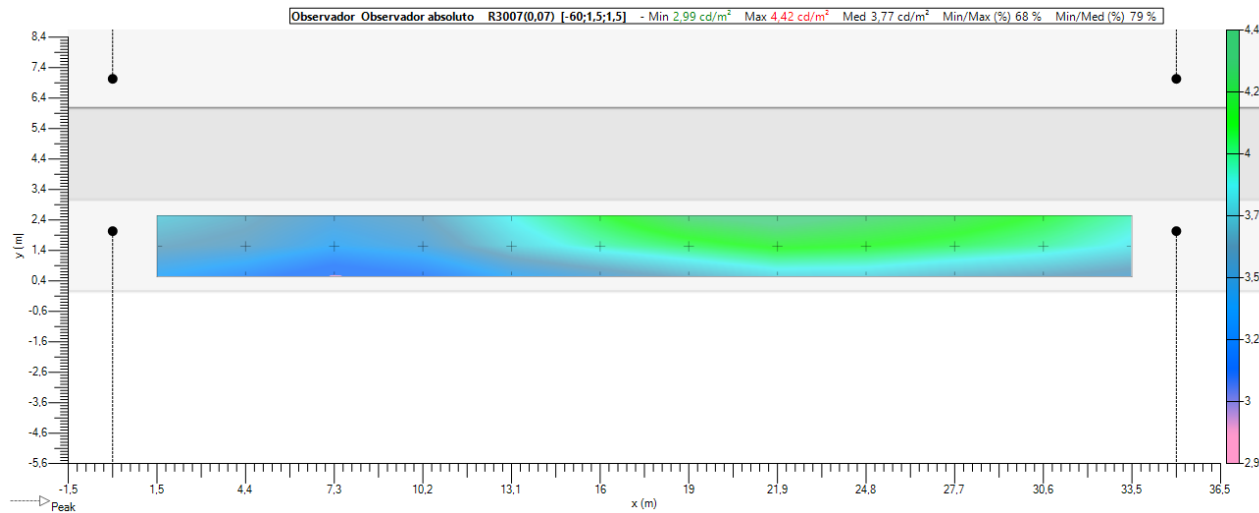
Valores



Isolevel

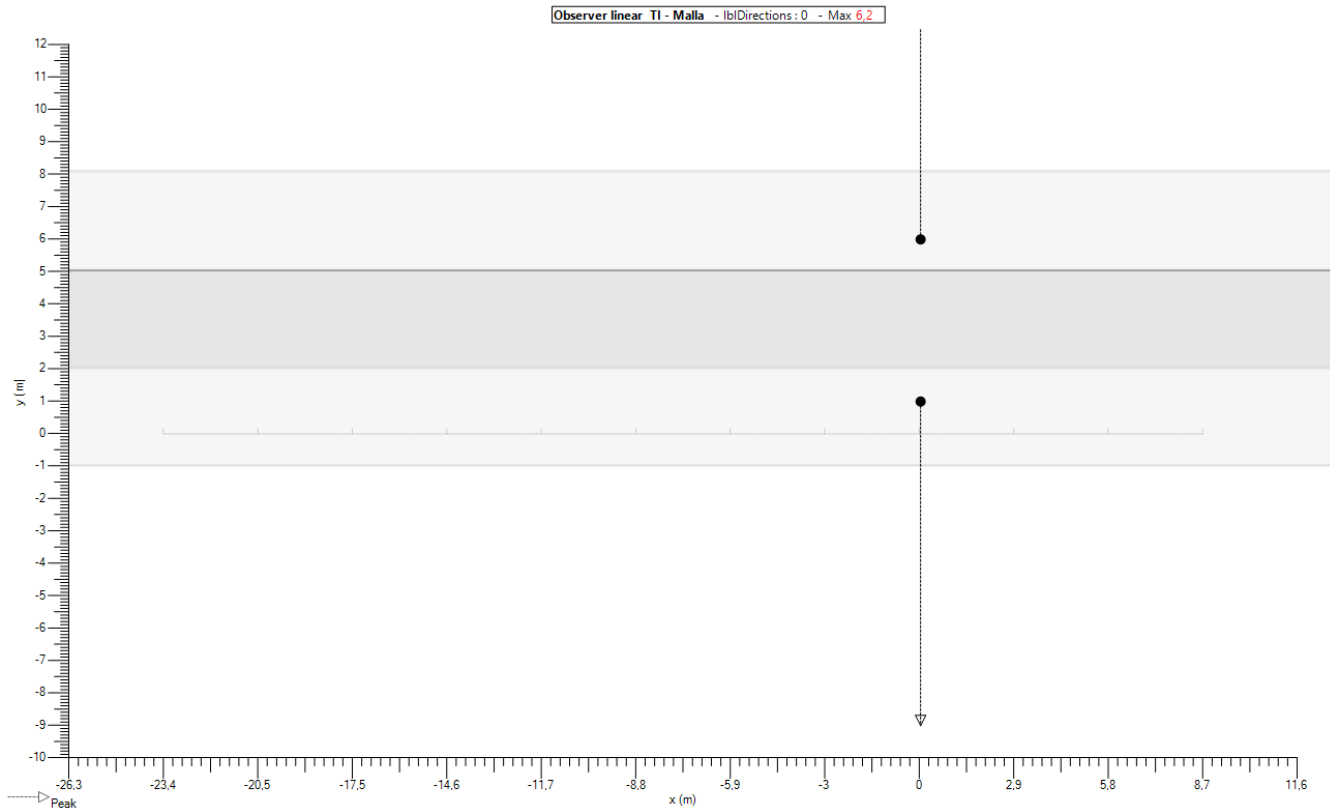


Sombreado

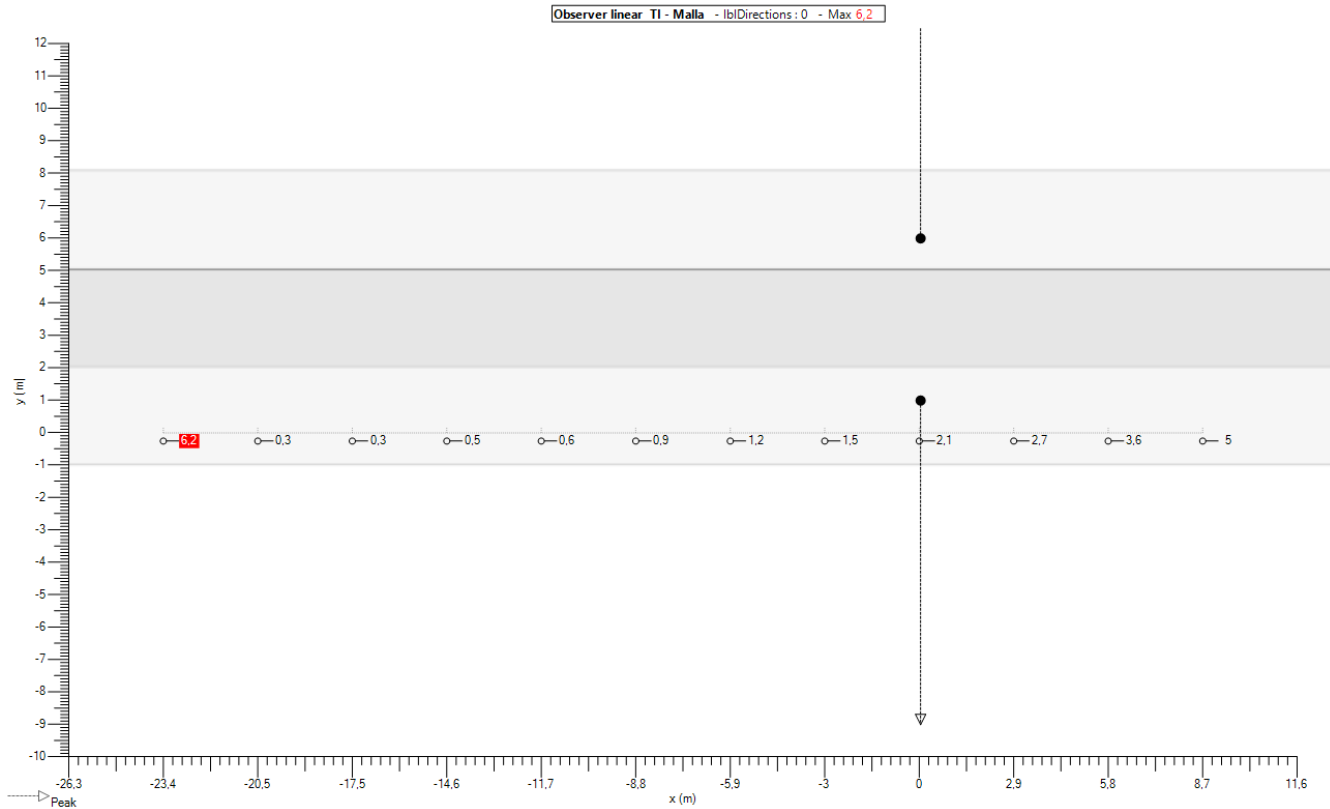


4.6. Carretera (TI) - TI - Malla

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 3	
	Interdistanci a X 2,92 m	Interdistanci a Y 1,00 m	
	Tamaño X 32,08 m	Tamaño Y 2,00 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 0,75 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