

Comune di Quarrata - Via B. Gora e Tinaia

Standard EN 13201 : 2015

Designer Studio tecnico

Date 20/03/2022

Application Ulysse 3.5.2

Description Verifica Illuminotecnica Via B. Gora e Tinaia

Categoria M3 : strada urbana di quartiere

Teceo 1 32led 600mA 60W ottica 5246

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1. Fixtures

1.1. TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662

Type TECEO GEN2 1

Reflector 5246

Source 32 LEDs 600mA WW730

Protector Piano, Vetro extra chiaro, Liscio

Source flux 8,977 klm

G* 2

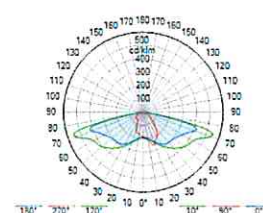
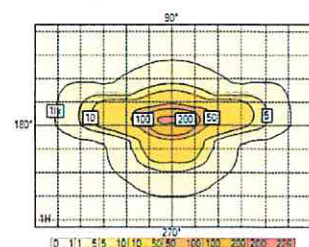
Luminaire wattage 60,0 W

MF 0,80

Matrix 468662

Luminaire flux 7,088 klm

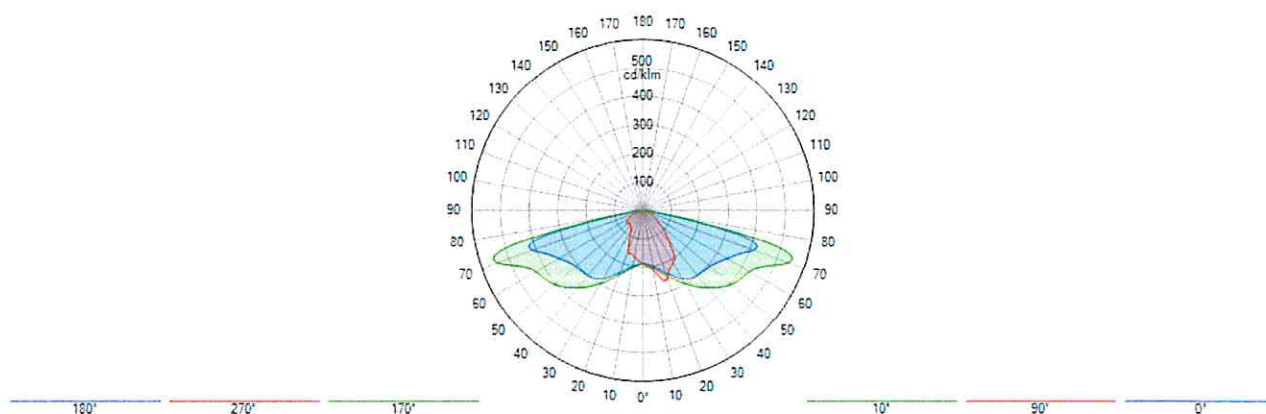
Efficacy 118 lm/W



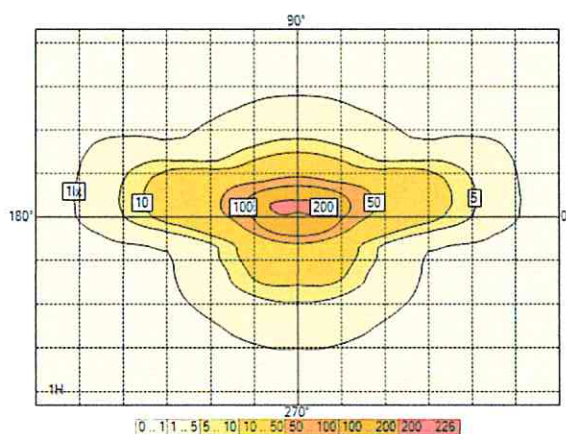
2. Photometric documents

2.1. TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662

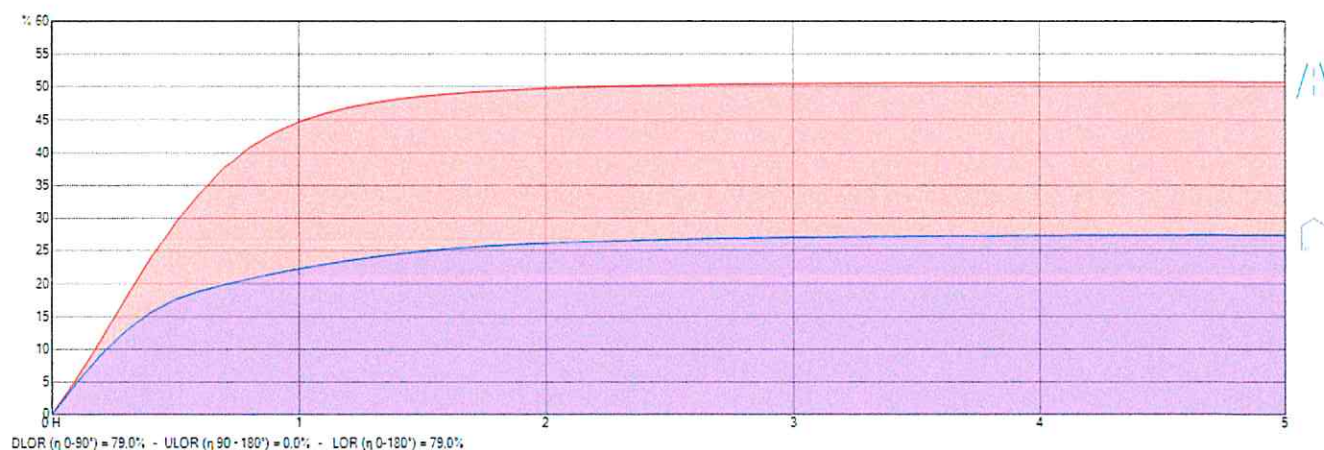
Polar/Cartesian diagram



Isolux



Utilization curve



3. Results

3.1. Grid summary

Multi-lanes (LU)

M3 (LU : Ave = 1,00 cd/m² Uo = 40 % UI = 60 % UoW = 15 % TI : 15 % EIR : 0,30)

1.1 Luminance - RTable - C2007

	Ave (A) (cd/m ²)	Min/Ave (%)	Min/Max (%)	Min (cd/m ²)	Max (cd/m ²)	UL (%)	
Dynamic cross section - Observer 1 (-60,00; -3,00; 1,50)	1,18	58	42	0,69	1,63	68 %	✓
Dynamic cross section - Observer 2 (-60,00; -1,00; 1,50)	1,25	63	47	0,79	1,68	76 %	✓

1.2 Luminance - RTable - C2007

	Ave (A) (cd/m ²)	Min/Ave (%)	Min/Max (%)	Min (cd/m ²)	Max (cd/m ²)	UL (%)	
Dynamic cross section - Observer 1 (-60,00; -3,00; 1,50)	1,18	58	42	0,69	1,63	68 %	✓
Dynamic cross section - Observer 2 (-60,00; -1,00; 1,50)	1,25	63	47	0,79	1,68	76 %	✓

3.2. Observer summary

Multi-lanes (TI 1)

M3 (LU : Ave = 1,00 cd/m² Uo = 40 % UI = 60 % UoW = 15 % TI : 15 % EIR : 0,30)

	TI	
Dynamic cross section - Direction (0,0)	12	✓

Multi-lanes (TI 2)

M3 (LU : Ave = 1,00 cd/m² Uo = 40 % UI = 60 % UoW = 15 % TI : 15 % EIR : 0,30)

	TI	
Dynamic cross section - Direction (0,0)	11	✓

3.3. Values summary

EIR road

M3 (LU : Ave = 1,00 cd/m² Uo = 40 % UI = 60 % UoW = 15 % TI : 15 % EIR : 0,30)

	EIR road	
Dynamic cross section - Multi-lanes (EIR)	0,70	✓

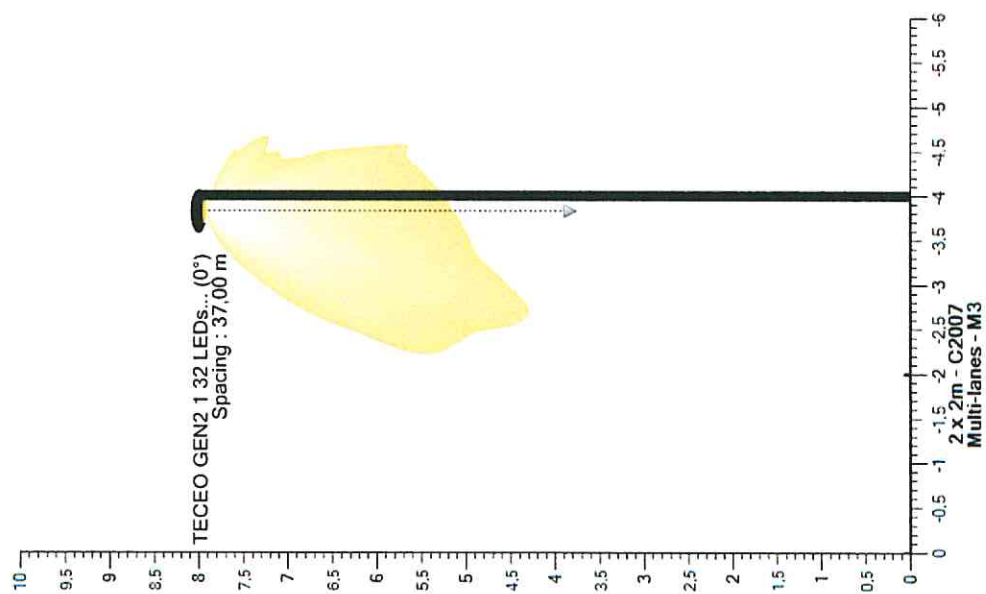
4. Power consumption

4.1. Dynamic cross section

Fixture	Current [mA]	Qty	Dimming	Power / Fixture	Total
TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	600	27	100 %	60 W	1618 W



5. Cross section

5.1. 2D View



6. Dynamic cross section


6.1. 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 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	600	8,977	7,088	59,9	118	0,800	5 x 8,00	

6.2. Luminaire positions

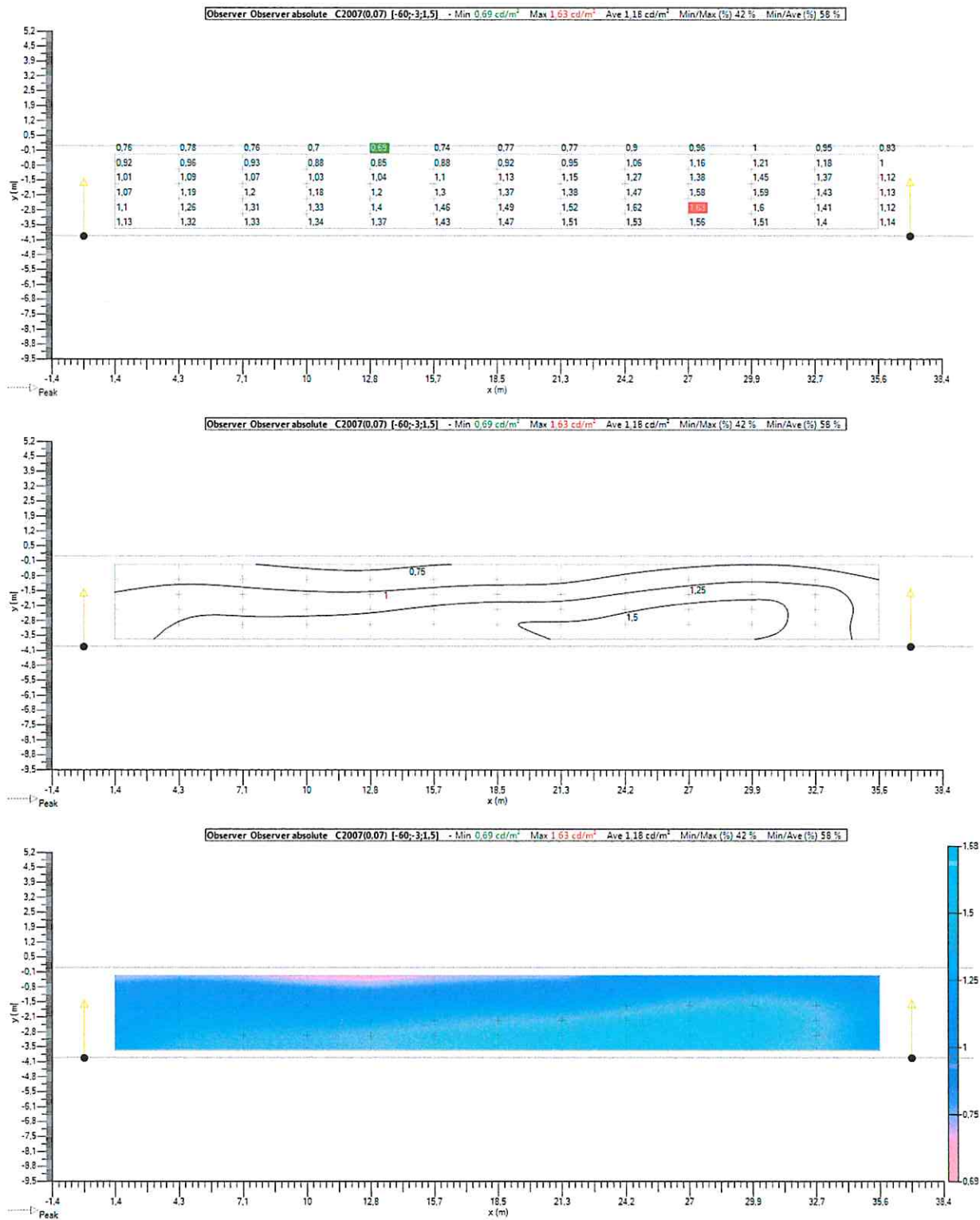
	Color	N°	Position			Luminaire							Target		
			X [m]	Y [m]	Z [m]	Name	Current [mA]	Az [°]	Incl [°]	Rot [°]	Flux [klm]	MF	X [m]	Y [m]	Z [m]
<input checked="" type="checkbox"/>		1	-37,00	-4,00	8,00	TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	-	0,0	0,0	0,0	8,977	0,800	-37,00	-4,00	0,00
<input checked="" type="checkbox"/>		2	0,00	-4,00	8,00	TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	-	0,0	0,0	0,0	8,977	0,800	0,00	-4,00	0,00
<input checked="" type="checkbox"/>		3	37,00	-4,00	8,00	TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	-	0,0	0,0	0,0	8,977	0,800	37,00	-4,00	0,00
<input checked="" type="checkbox"/>		4	74,00	-4,00	8,00	TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	-	0,0	0,0	0,0	8,977	0,800	74,00	-4,00	0,00
<input checked="" type="checkbox"/>		5	111,00	-4,00	8,00	TECEO GEN2 1 32 LEDs 600mA WW730 Piano, Vetro extra chiaro, Liscio 5246 468662	-	0,0	0,0	0,0	8,977	0,800	111,00	-4,00	0,00

6.3. Luminaire groups

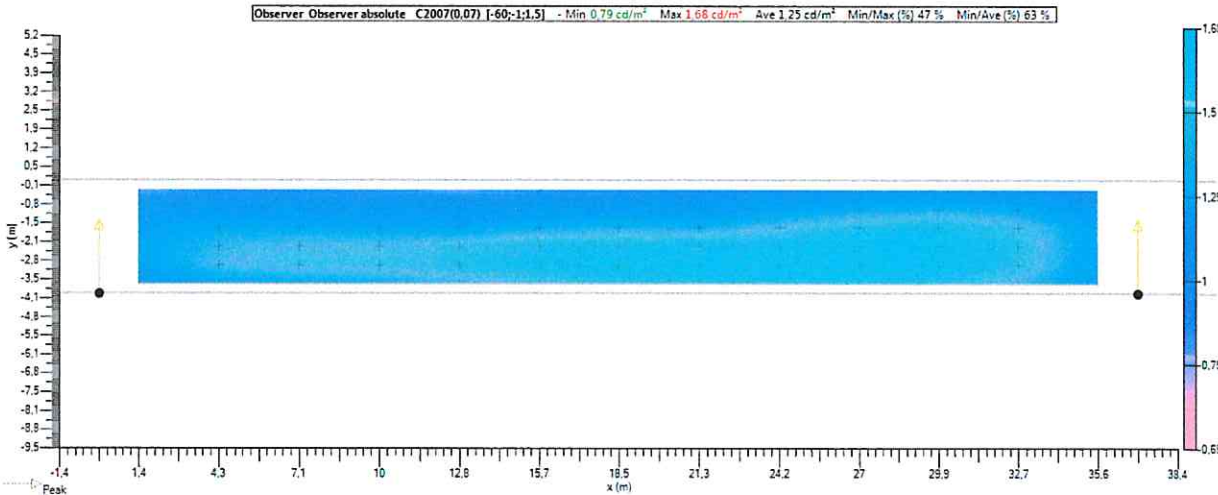
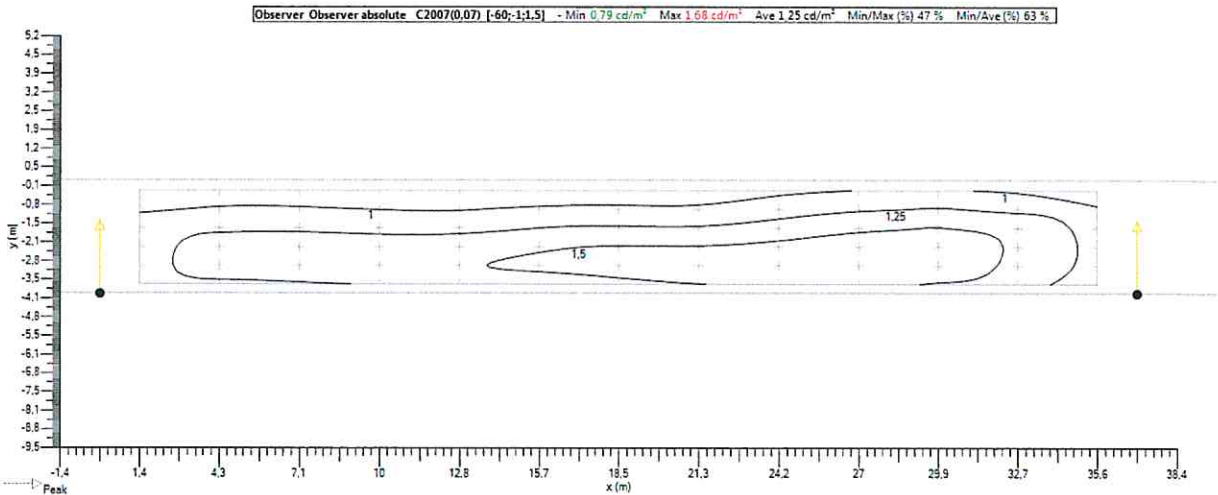
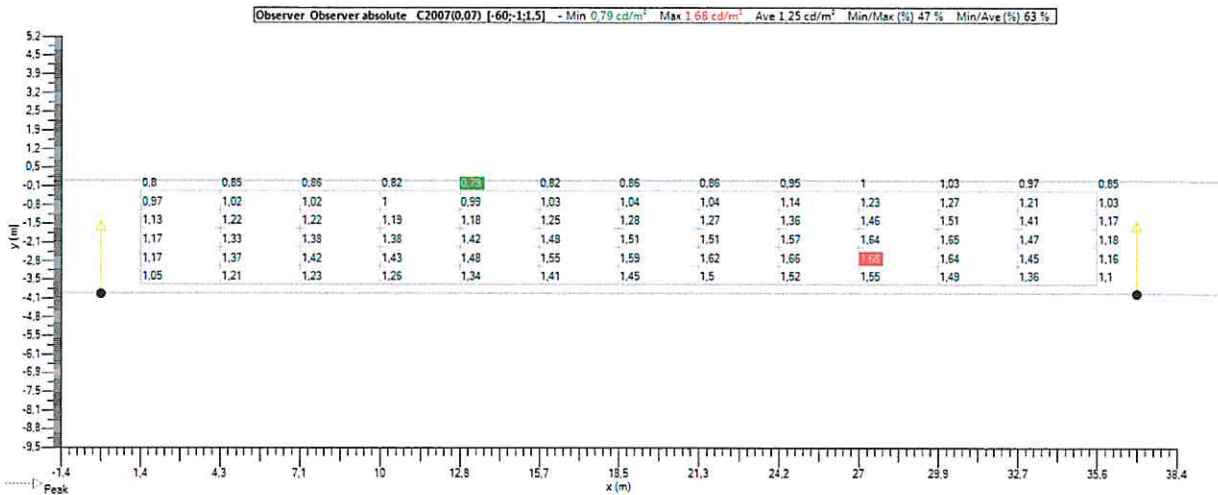
Linear																
	Color	N°	Position			Luminaire					Dimension			Rotation		
			X [m]	Y [m]	Z [m]	Name	Az [°]	Incl [°]	Rot [°]	Dim [%]	Count	Spacing [m]	Size [m]	X [°]	Y [°]	Z [°]
<input checked="" type="checkbox"/>		1	-37,00	-4,00	8,00	Fixture right	0,0	0,0	0,0	100	5	37,00	148,00	0,0	0,0	0,0

6.4. Luminance - Multi-lanes (LU) - C2007

Multi-lanes (LU) - Absolute 1

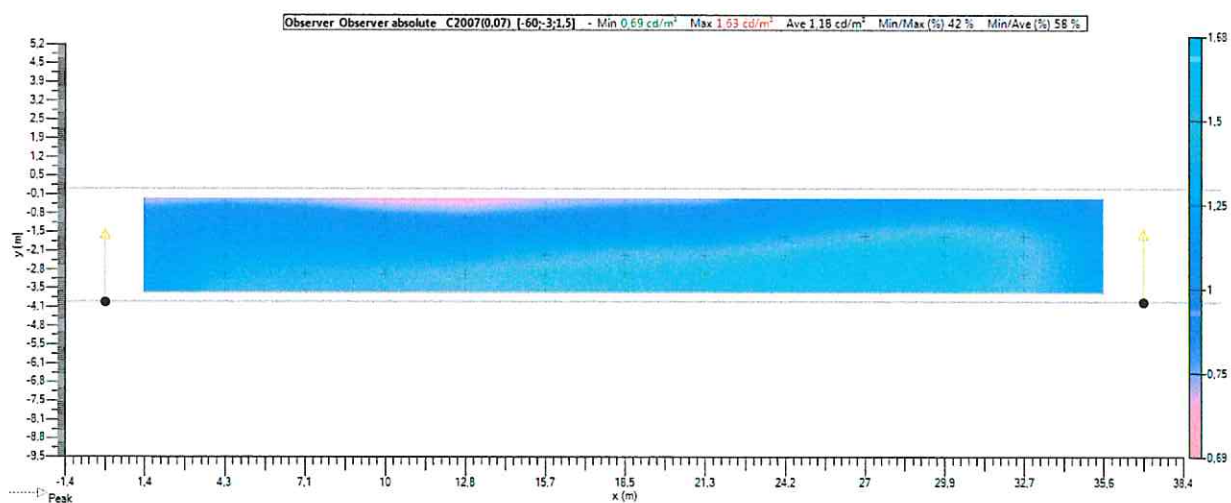
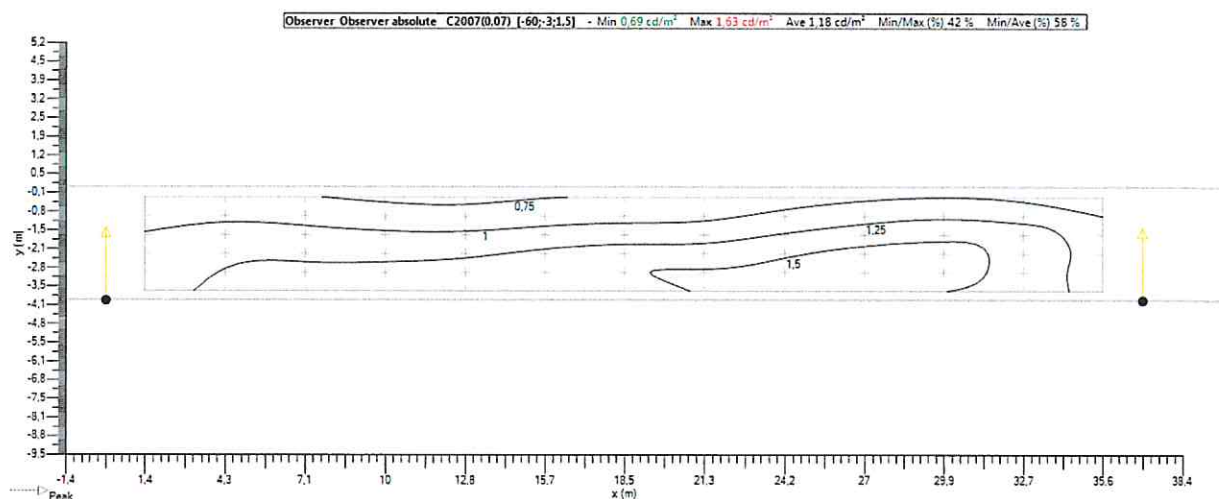
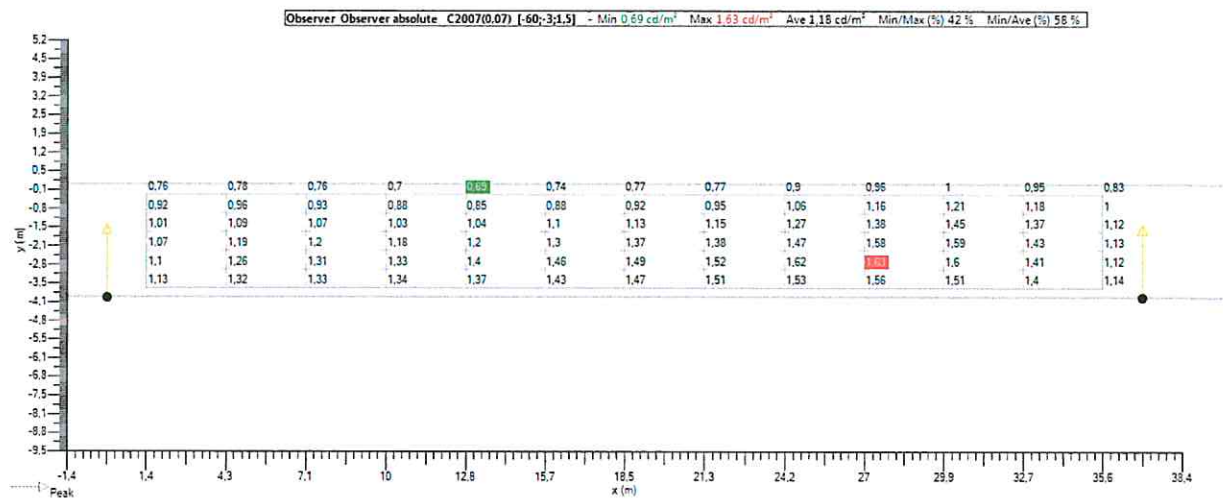


Multi-lanes (LU) - Absolute 2

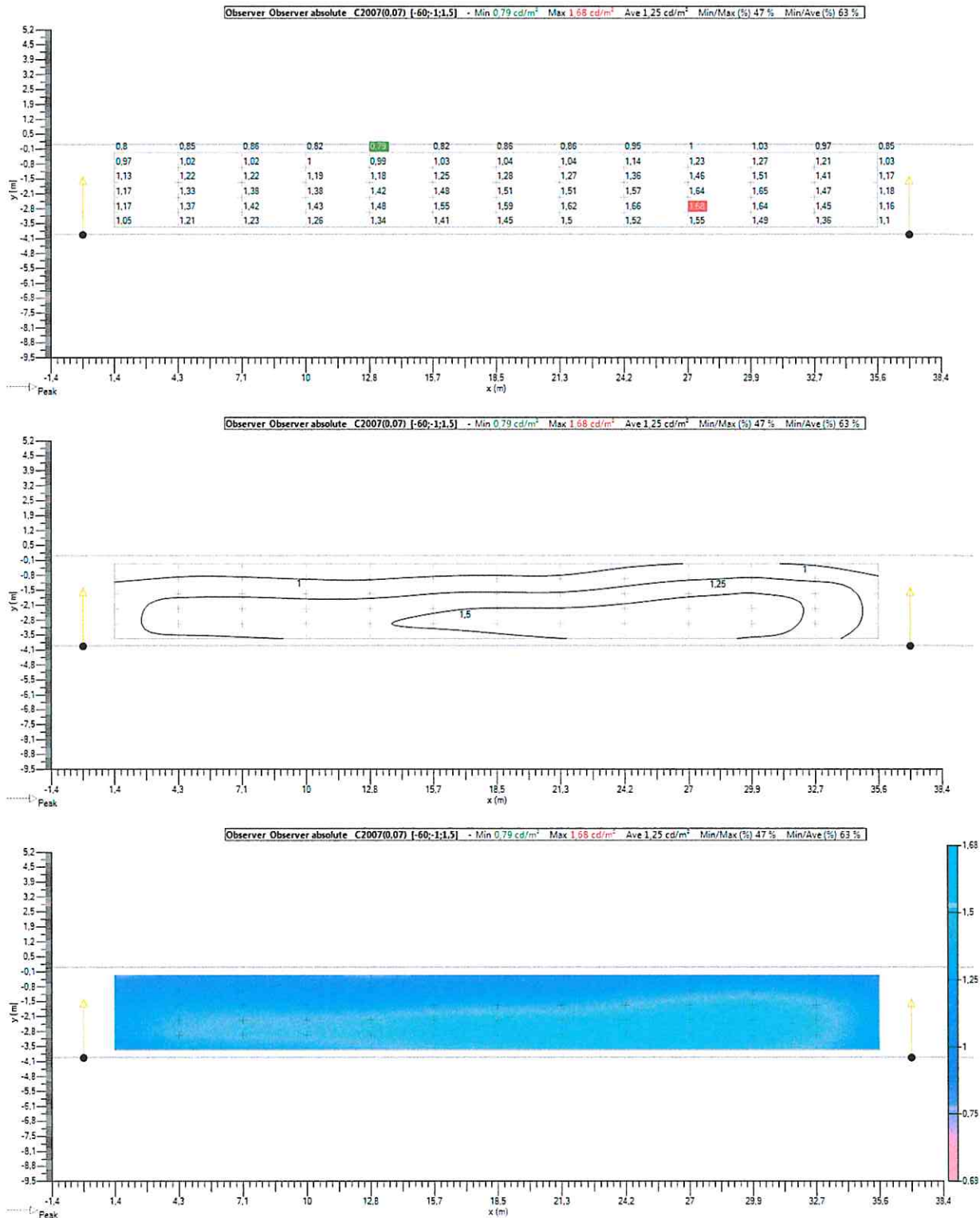


6.5. Luminance - Multi-lanes (LU) - C2007

Multi-lanes (LU) - Optional - Absolute 1

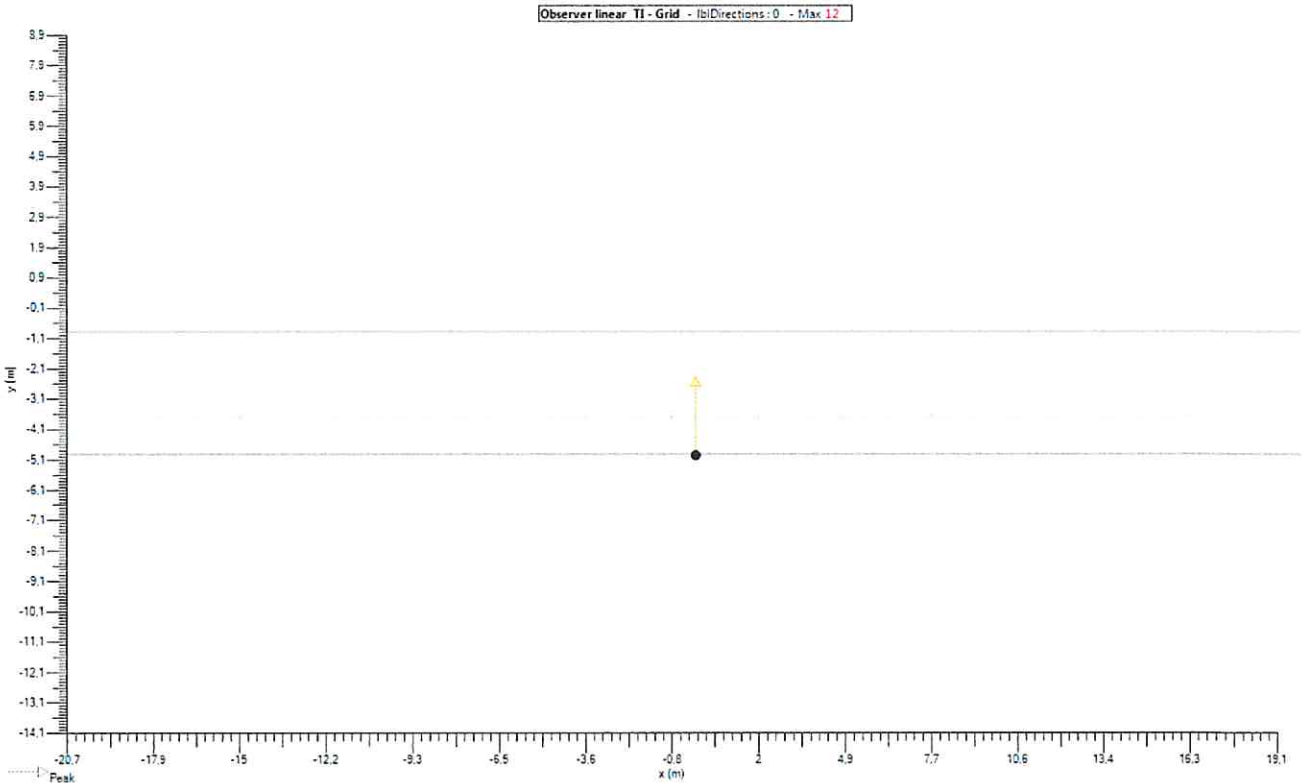


Multi-lanes (LU) - Optional - Absolute 2

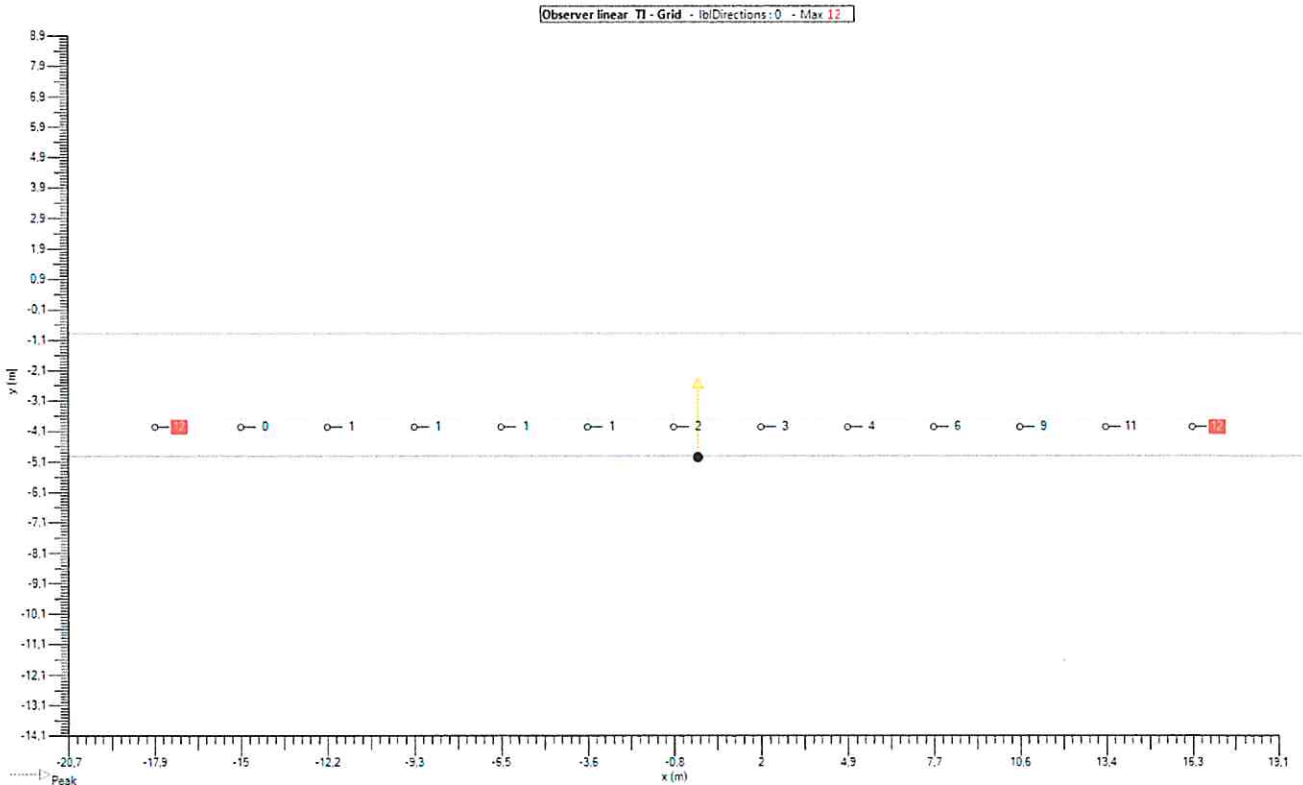


6.6. Multi-lanes (TI 1) - TI - Grid

Implantation

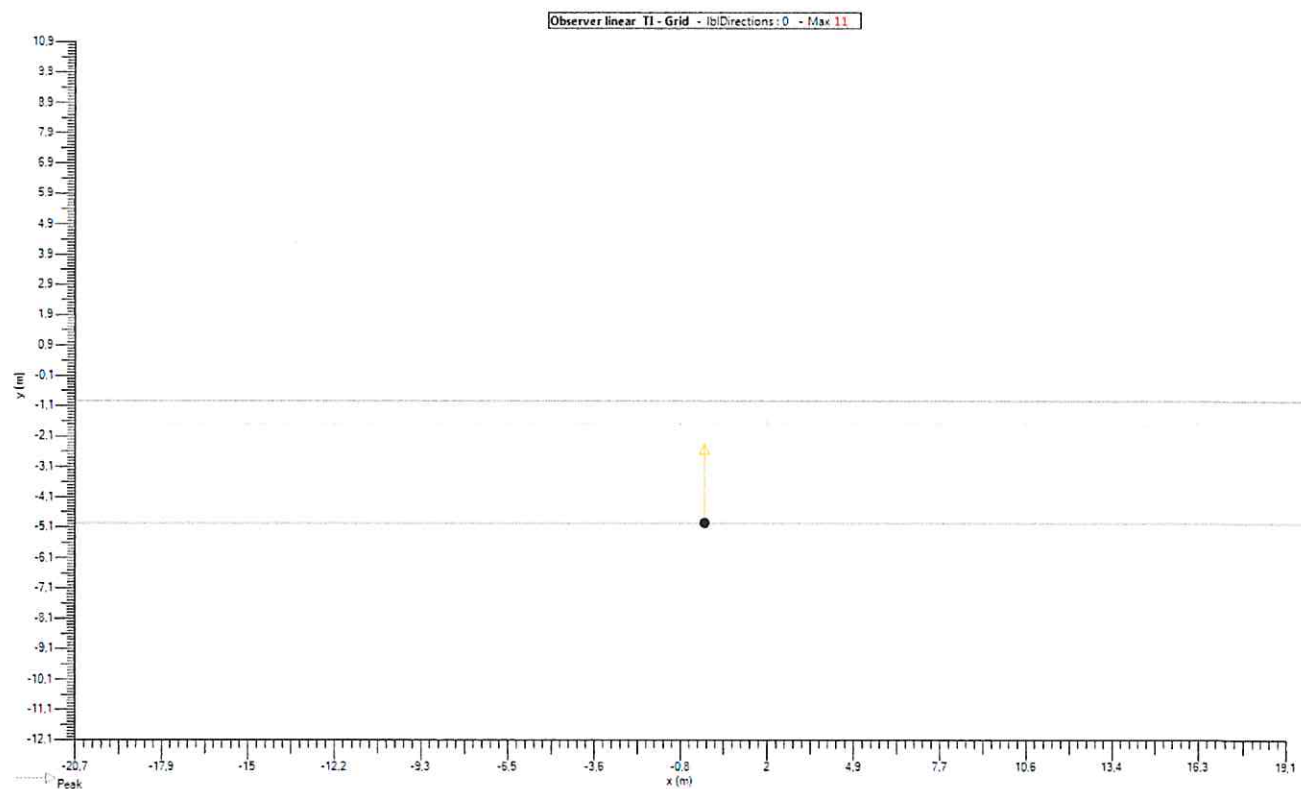


Values

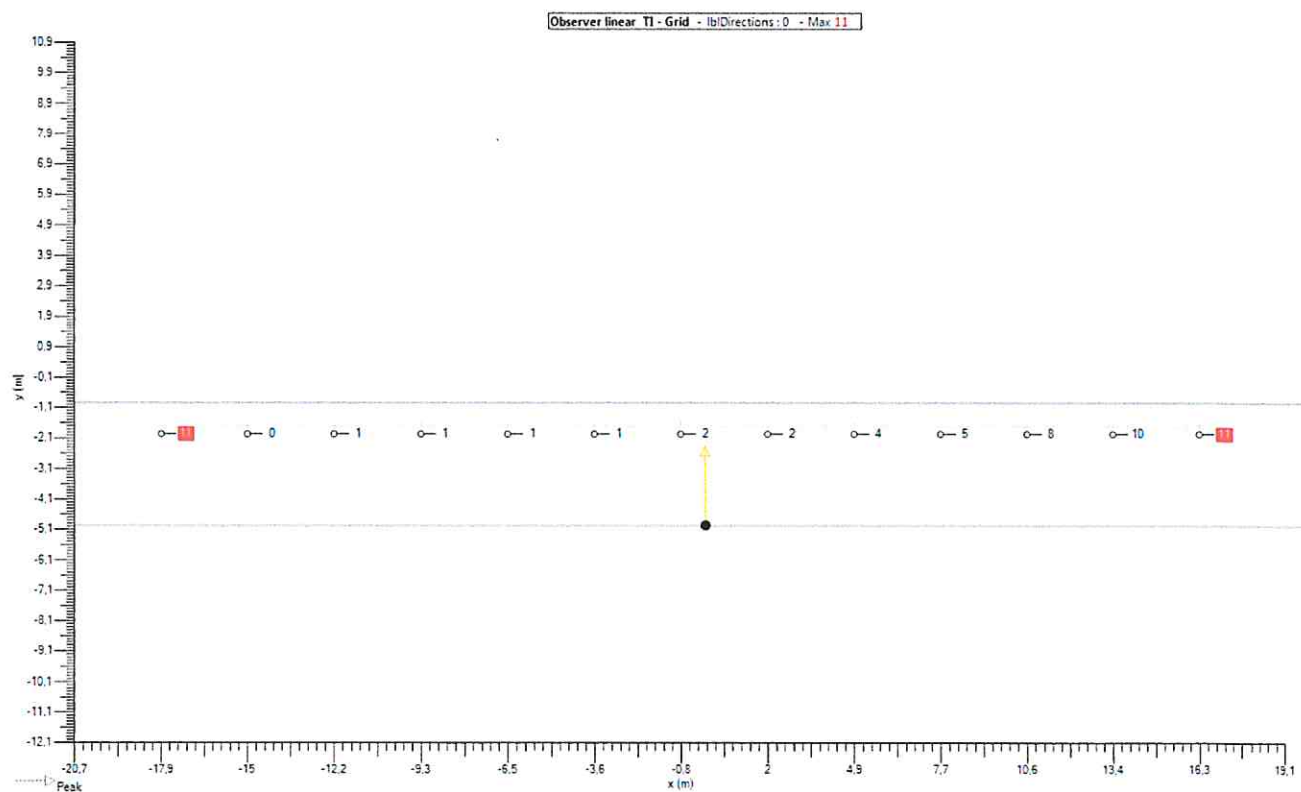


6.7. Multi-lanes (TI 2) - TI - Grid

Implantation



Values



7. Grids

7.1. Multi-lanes (LU)

General

Type

Enabled ☒


Colour

Geometry


Origin	X 1,42 m	Y -3,67 m	Z 0,00 m
Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Dimension	Count X 13	Count Y 6	
	Spacing X 2,85 m	Spacing Y 0,67 m	
	Size X 34,15 m	Size Y 3,33 m	

8. Observer

8.1. Multi-lanes (TI 1)

General		Geometry			
Type	Observer linear	Origin	X -17,88 m	Y -3,00 m	Z 1,50 m
En	<input checked="" type="checkbox"/>	Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Color		Dimension	Count 13	Spacing 2,85 m	Size 34,15 m
Directions	0,0				
Calculation	TI - Grid				
Grid	Multi-lanes (LU)				

8.2. Multi-lanes (TI 2)

General		Geometry			
Type	Observer linear	Origin	X -17,88 m	Y -1,00 m	Z 1,50 m
En	<input checked="" type="checkbox"/>	Rotation	X 0,0 °	Y 0,0 °	Z 0,0 °
Color		Dimension	Count 13	Spacing 2,85 m	Size 34,15 m
Directions	0,0				
Calculation	TI - Grid				
Grid	Multi-lanes (LU)				