

TÚNEIS DO CANIÇAL - TÚNEL CANIÇAL NORTE

Data 02/11/2020

Application Ulysse 3.4.8

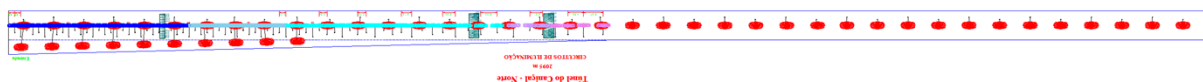
Description REG. DIURNO

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1. Vistas

1.1. Snapshot item (1)



2. Equipamentos

2.1. GL2 Compact 2 32 LEDs 350mA NW 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S

Tipo GL2 Compact 2

Reflector 5103

Fonte 32 LEDs 350mA NW 740

Protector Plano(a), Vidro extra claro, Liso

Regulação Simétrico

Fluxo nominal 5,856 klm

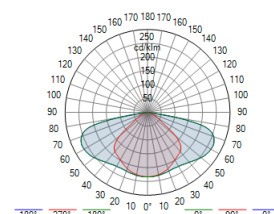
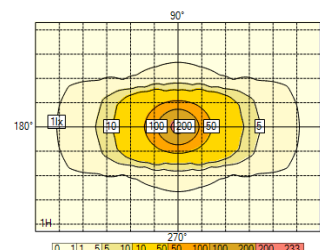
Potência 35,2 W

FM 0,85

Matriz 33632S

Fluxo luminária 4,940 klm

Eficácia 140 lm/W



2.2. TFLEX COMBI 5301 SYM 160LH351C 700mA NW740 EF

Tipo TFLEX COMBI 5301 SYM 160 LH351C@700mA ...

Fonte 160 LH351C@700mA NW 740

Fluxo nominal 53,990 klm

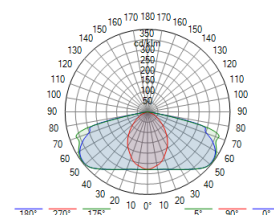
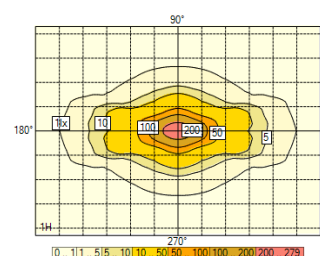
Potência 357,2 W

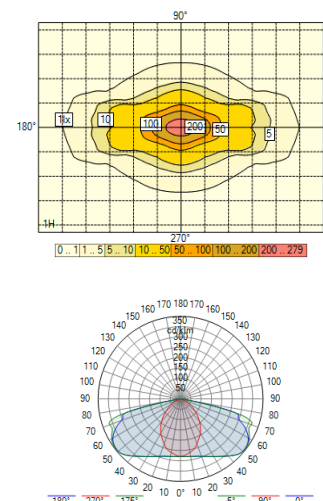
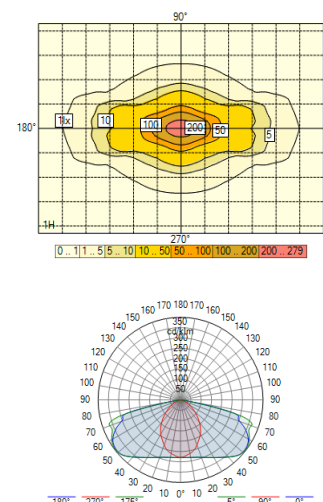
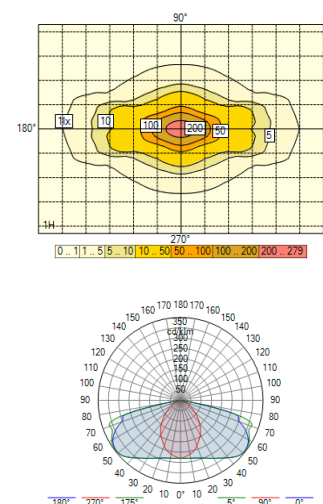
FM 0,85

Matriz TFLEX COMBI 5301 SYM 160LH351C 700mA ...

Fluxo luminária 46,989 klm

Eficácia 132 lm/W



2.3. TFLEX COMBI 5301 SYM 160LH351C 500mA NW740 EF**Tipo** TFLEX COMBI 5301 SYM 160 LH351C@500mA ...**Fonte** 160 LH351C@500mA NW 740**Fluxo nominal** 41,283 klm**Potência** 245,0 W**FM** 0,85**Matriz** TFLEX COMBI 5301 SYM 160LH351C 500mA ...**Fluxo luminária** 35,930 klm**Eficácia** 147 lm/W**2.4. TFLEX COMBI 5301 SYM 80 LH351C 500mA NW740 EF****Tipo** TFLEX COMBI 5301 SYM 80 LH351C@500mA ...**Fonte** 80 LH351C@500mA NW 740**Fluxo nominal** 20,642 klm**Potência** 125,0 W**FM** 0,85**Matriz** TFLEX COMBI 5301 SYM 80 LH351C 500mA ...**Fluxo luminária** 17,965 klm**Eficácia** 144 lm/W**2.5. TFLEX COMBI 5301 SYM 160LH351C 600mA NW740 EF****Tipo** TFLEX COMBI 5301 SYM 160 LH351C@600mA ...**Fonte** 160 LH351C@600mA NW 740**Fluxo nominal** 47,900 klm**Potência** 298,0 W**FM** 0,85**Matriz** TFLEX COMBI 5301 SYM 160LH351C 600mA ...**Fluxo luminária** 41,689 klm**Eficácia** 140 lm/W

2.6. TFLEX COMBI 5301 SYM 80 LH351C 700mA NW740 EF

Tipo TFLEX COMBI 5301 SYM 80 LH351C@700mA ...

Fonte 80 LH351C@700mA NW 740

Fluxo nominal 26,995 klm

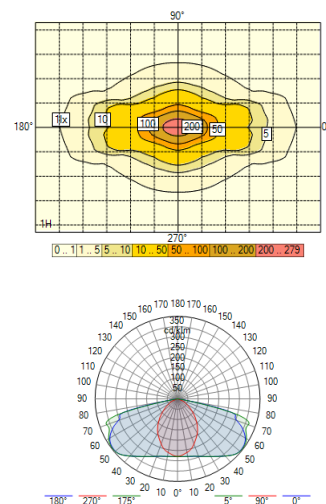
Potência 178,1 W

FM 0,85

Matriz TFLEX COMBI 5301 SYM 80 LH351C 700mA ...

Fluxo luminária 23,495 klm

Eficácia 132 lm/W



3. Resultados

3.1. Resultado Malha

ZONA LIMIAR

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
TFLEX	1830,2	65	50	1184,0	2345,4	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
TFLEX - Observador 1 (-13,50; 3,00; 1,50)	120,15	53	33	63,69	190,51	99 %	N/A
TFLEX - Observador 2 (-13,50; 6,00; 1,50)	120,30	49	32	58,79	182,41	100 %	N/A

ZONA TRANSIÇÃO 1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
TFLEX	628,4	64	48	400,4	836,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
TFLEX - Observador 1 (81,70; 3,10; 1,50)	35,46	54	35	19,27	55,77	93 %	N/A
TFLEX - Observador 2 (81,70; 6,10; 1,50)	35,53	51	33	18,05	54,54	94 %	N/A

ZONA TRANSIÇÃO 2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
TFLEX	381,6	63	48	241,3	507,4	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
TFLEX - Observador 1 (104,60; 3,10; 1,50)	19,63	54	34	10,64	30,95	89 %	N/A
TFLEX - Observador 2 (104,60; 6,10; 1,50)	19,65	52	33	10,15	30,41	89 %	N/A

ZONA INTERIOR

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
TFLEX	30,6	77	61	23,7	39,2	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
TFLEX - Observador 1 (566,10; 3,21; 1,50)	2,05	57	36	1,16	3,26	96 %	N/A
TFLEX - Observador 2 (566,10; 6,21; 1,50)	2,06	56	36	1,15	3,24	94 %	N/A

4. Potência consumida

4.1. TFLEX

equipamento	Current [mA]	Qt.	Dimming	Potência / Equipamento	Total
GL2 Compact 2 32 LEDs 350mA NW 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 336325	350	233	100 %	35 W	8206 W
TFLEX COMBI 5301 SYM 160LH351C 500mA NW740 EF	0	24	100 %	245 W	5880 W
TFLEX COMBI 5301 SYM 160LH351C 600mA NW740 EF	0	15	100 %	298 W	4470 W
TFLEX COMBI 5301 SYM 160LH351C 700mA NW740 EF	0	30	100 %	357 W	10716 W
TFLEX COMBI 5301 SYM 80 LH351C 500mA NW740 EF	0	4	100 %	125 W	500 W
TFLEX COMBI 5301 SYM 80 LH351C 700mA NW740 EF	0	3	100 %	178 W	534 W

5. TFLEX

5.1. Descrição Matriz

Ph. color	Descrição	Current [mA]	Fluxo nominal [klm]	Fluxo luminária [klm]	Potência [W]	Eficácia [lm/W]	FM	Altura [m]	Equipamento
	GL2 Compact 2 32 LEDs 350mA NW 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 336325	350	5,856	4,940	35,2	140	0,850	233 x 6,80	
	TFLEX COMBI 5301 SYM 160LH351C 500mA NW740 EF		41,283	35,930	245,0	147	0,850	24 x 6,80	
	TFLEX COMBI 5301 SYM 160LH351C 600mA NW740 EF		47,900	41,689	298,0	140	0,850	15 x 6,80	
	TFLEX COMBI 5301 SYM 160LH351C 700mA NW740 EF		53,990	46,989	357,2	132	0,850	30 x 6,80	
	TFLEX COMBI 5301 SYM 80 LH351C 500mA NW740 EF		20,642	17,965	125,0	144	0,850	4 x 6,80	
	TFLEX COMBI 5301 SYM 80 LH351C 700mA NW740 EF		26,995	23,495	178,1	132	0,850	3 x 6,80	

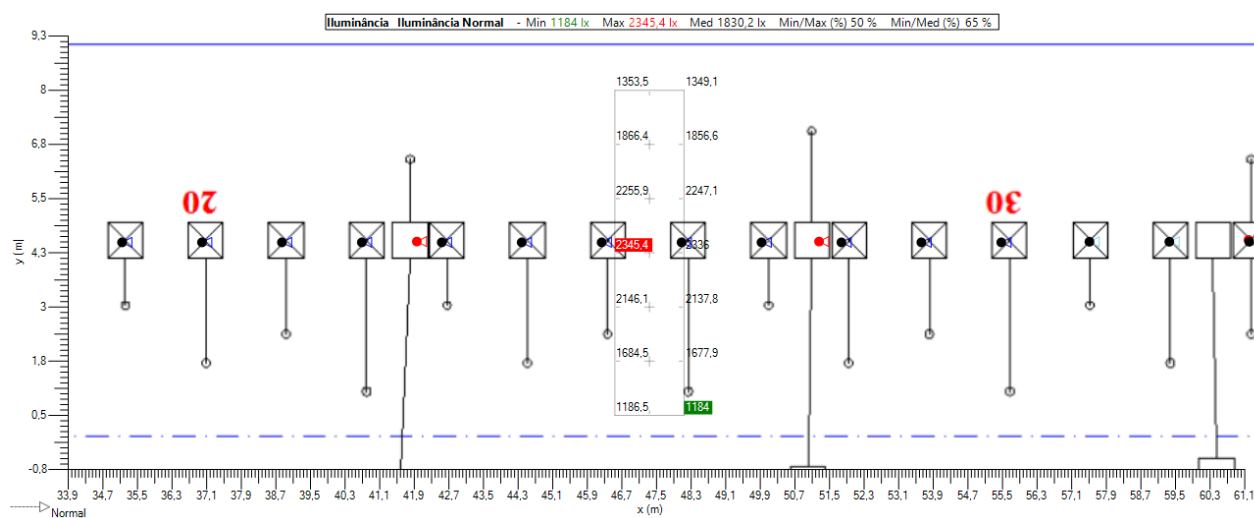
5.2. Grupos de luminárias

Linear																
	Color	N°	Posição			Luminária					Dimensão			Rotação		
			X [m]	Y [m]	Z [m]	Nome	Az [°]	Incl [°]	Rot [°]	Dim [%]	Nº de	Espaçoamento [m]	Dim. Total [m]	X [°]	Y [°]	Z [°]
☒		1	1,84	4,49	6,80	LTH1	0,0	0,0	0,0	100	30	1,85	53,59	0,0	0,0	0,0
☒		2	3,93	-2,16	6,80	REG. BASE (5)	0,0	0,0	0,0	100	10	9,45	85,05	0,0	0,0	1,2
☒		3	4,72	4,51	6,80	REG. BASE	0,0	0,0	0,0	100	6	9,30	46,50	0,0	0,0	0,0
☒		4	57,47	4,51	6,80	LTH1 (1)	0,0	0,0	0,0	100	15	1,85	25,87	0,0	0,0	0,0
☒		5	61,15	4,55	6,80	REG. BASE (1)	0,0	0,0	0,0	100	3	8,80	17,60	0,0	0,0	0,0
☒		6	85,42	4,48	6,80	LTH1-2	0,0	0,0	0,0	100	6	2,08	10,40	0,0	0,0	0,0
☒		7	88,83	4,55	6,80	REG. BASE (2)	0,0	0,0	0,0	100	6	9,40	47,00	0,0	0,0	0,0
☒		8	98,05	4,50	6,80	LTH1-2 (1)	0,0	0,0	0,0	100	5	2,30	9,20	0,0	0,0	0,0
☒		9	110,11	4,51	6,80	LTH2	0,0	0,0	0,0	100	5	2,72	10,88	0,0	0,0	0,0
☒		10	124,10	4,50	6,80	LTH2 (1)	0,0	0,0	0,0	100	6	3,30	16,50	0,0	0,0	0,0
☒		11	144,50	4,53	6,80	REG. BASE (3)	0,0	0,0	0,0	100	12	9,50	104,50	0,0	0,0	0,0
☒		12	145,38	4,49	6,80	LTR1	0,0	0,0	0,0	100	2	5,03	5,03	0,0	0,0	0,0
☒		13	155,45	4,54	6,80	LTR1 (2)	0,0	0,0	0,0	100	2	5,03	5,03	0,0	0,0	0,0
☒		14	168,26	4,46	6,80	LTR1 (1)	0,0	0,0	0,0	100	2	3,90	3,90	0,0	0,0	0,0
☒		15	177,00	4,57	6,80	LTR2	0,0	0,0	0,0	100	2	6,10	6,10	0,0	0,0	0,0
☒		16	258,01	4,54	6,80	REG. BASE (4)	0,0	0,0	0,0	100	196	9,40	1833,00	0,0	0,0	0,0

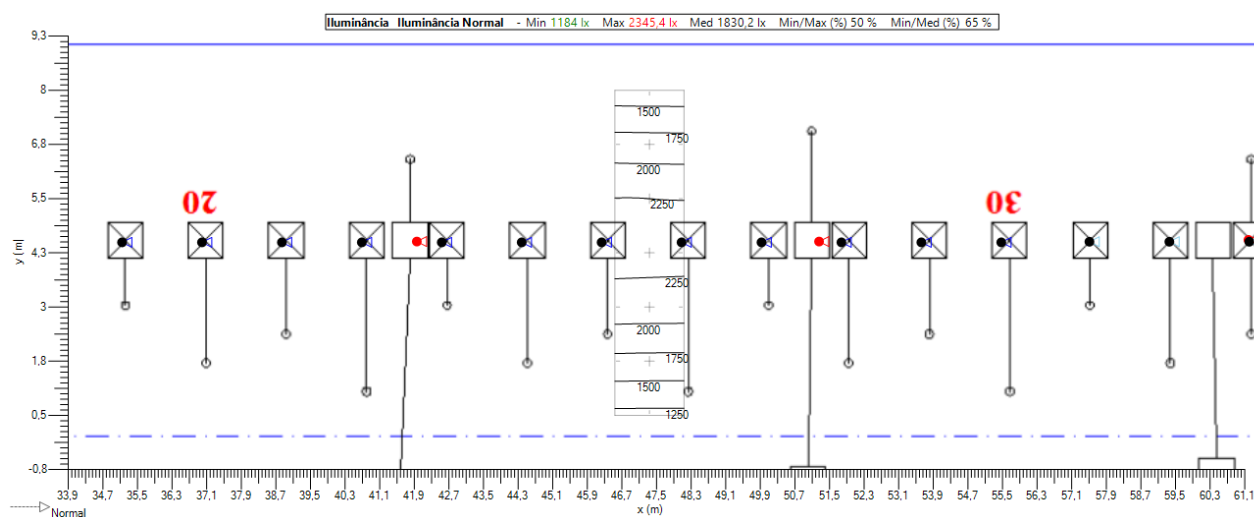
Simples										
	Color	N°	Posição			Luminária				
			X [m]	Y [m]	Z [m]	Nome	Az [°]	Incl [°]	Rot [°]	Dim [%]
☒		1	164,34	4,50	6,80	LTR1 (3)	0,0	0,0	0,0	100

5.3. ZONA LIMIAR - Normal

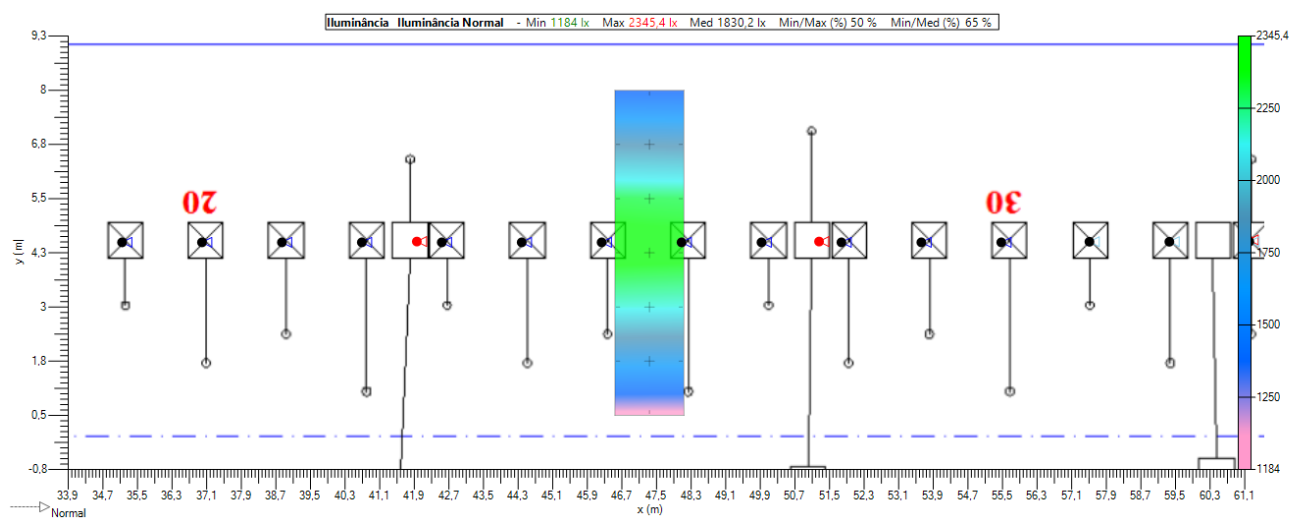
Resultados



Isolevel

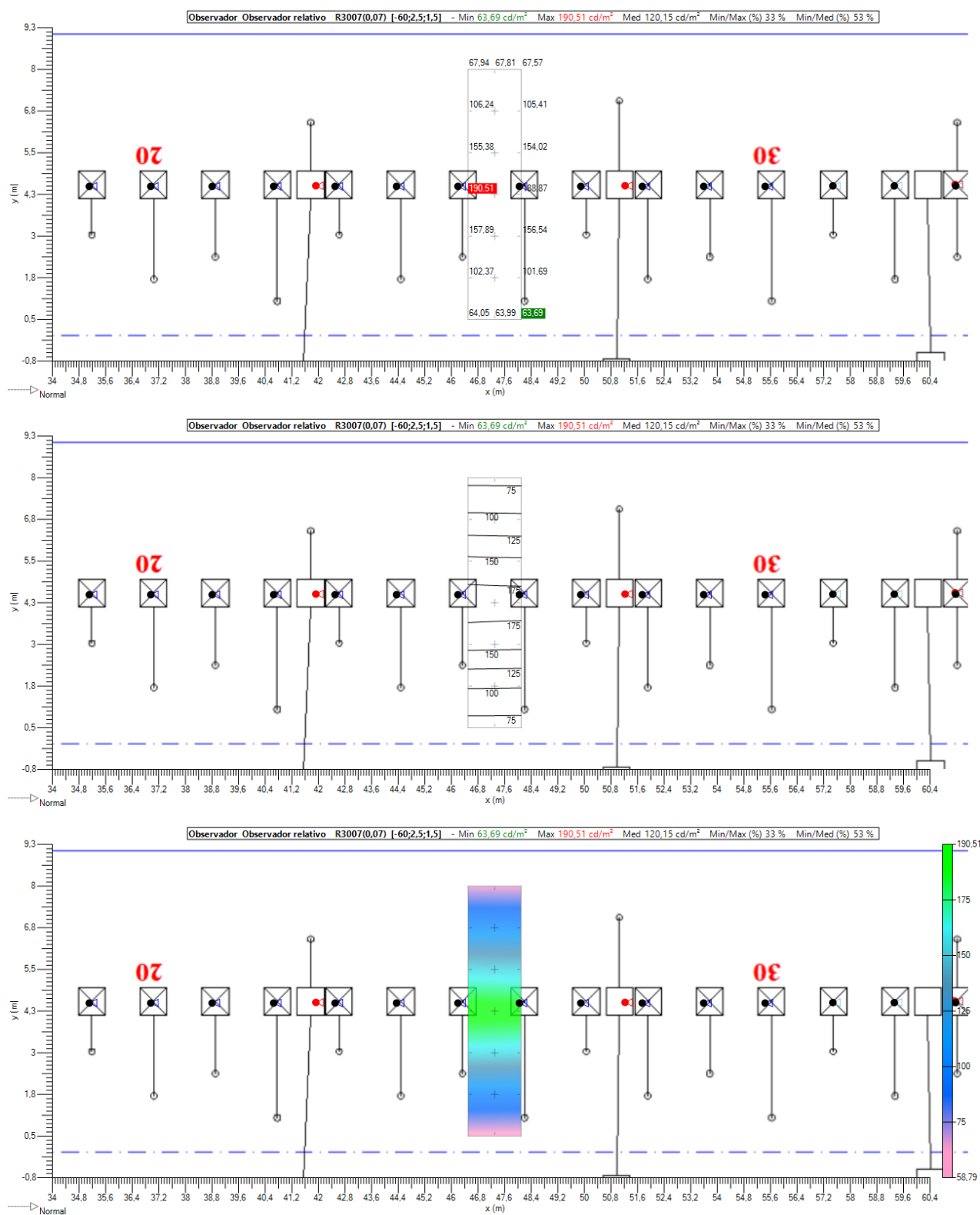


Sombreado

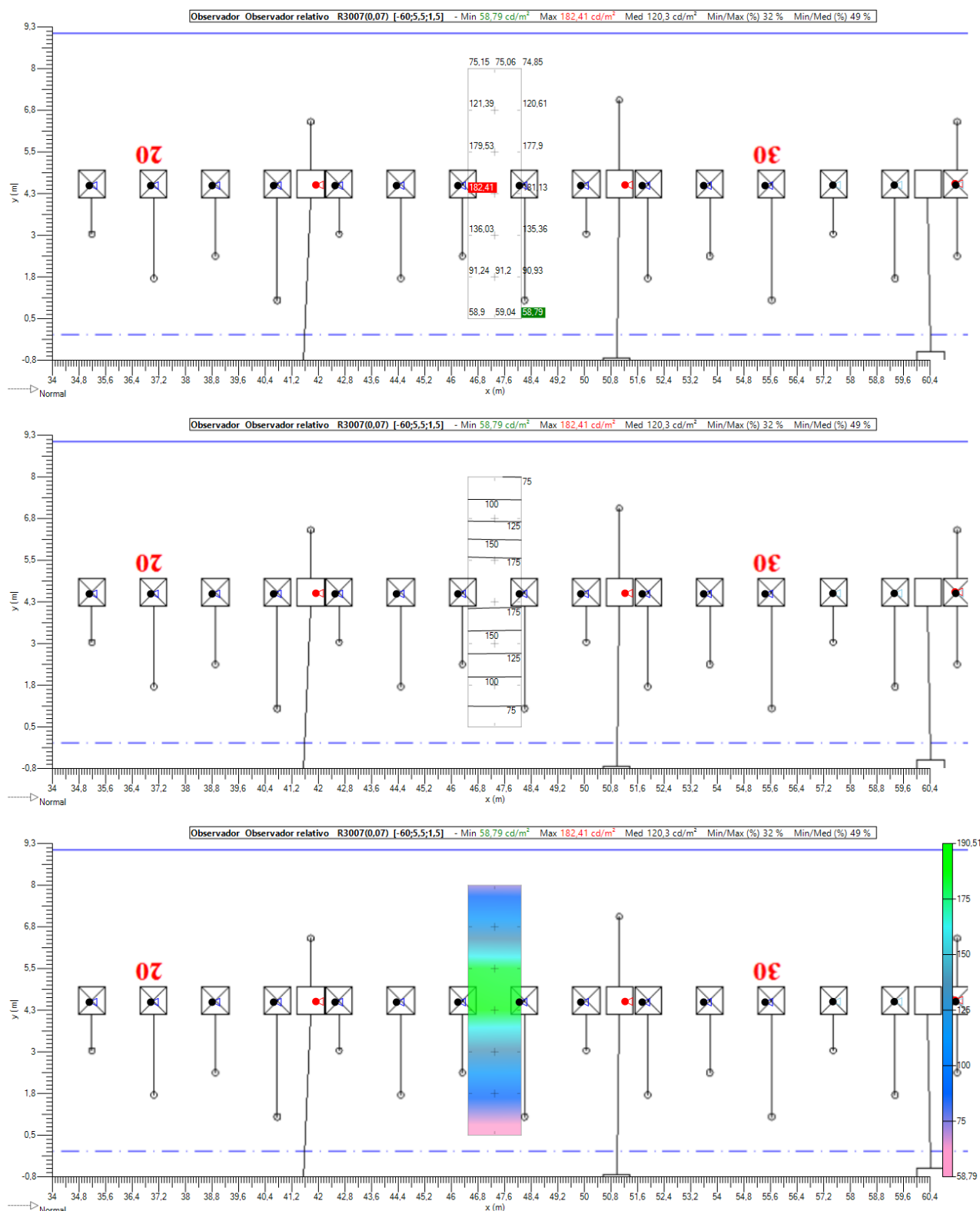


5.4. Luminância - ZONA LIMIAR - R3007

ZONA LIMIAR - Relative 1

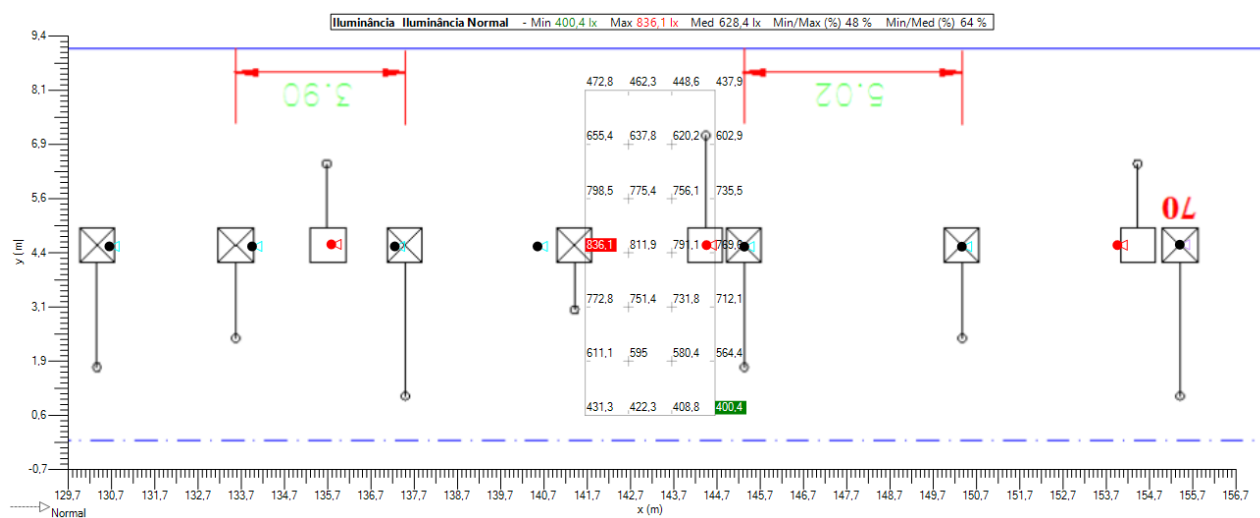


ZONA LIMIAR - Relative 2

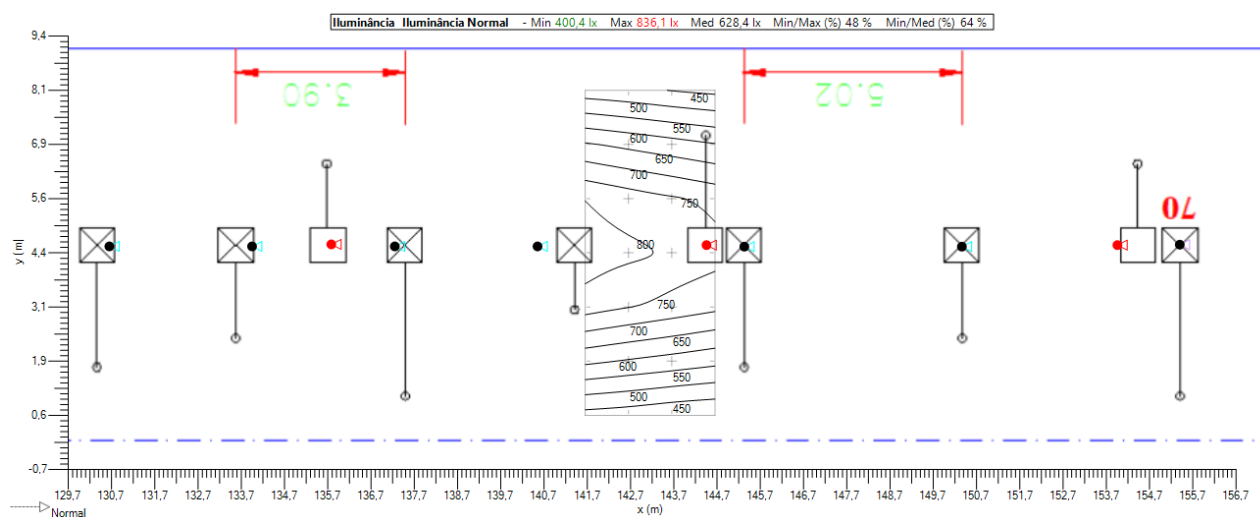


5.5. ZONA TRANSIÇÃO 1 - Normal

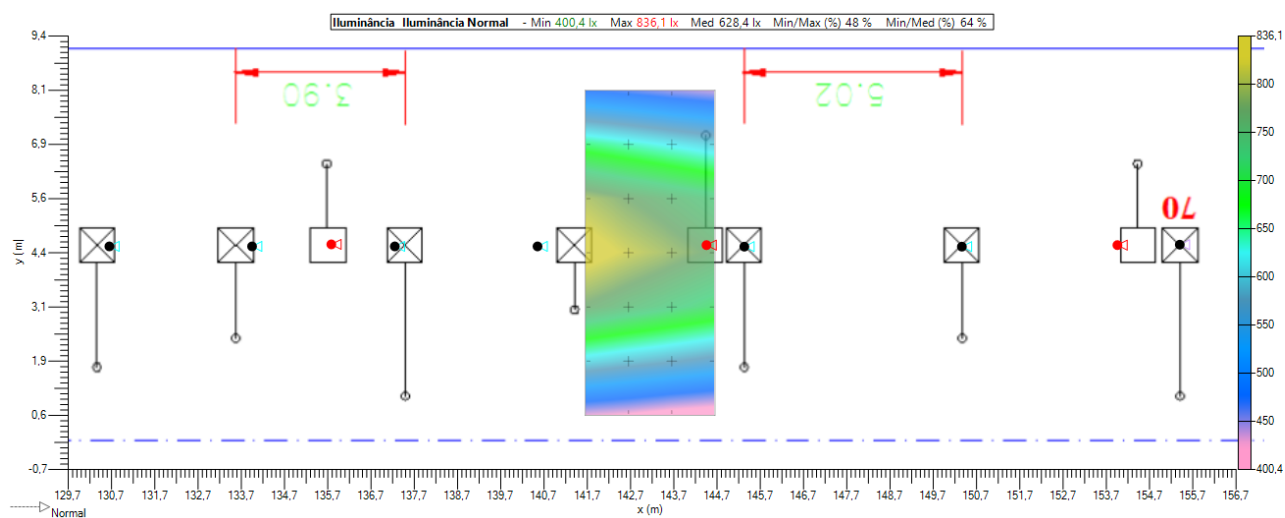
Resultados



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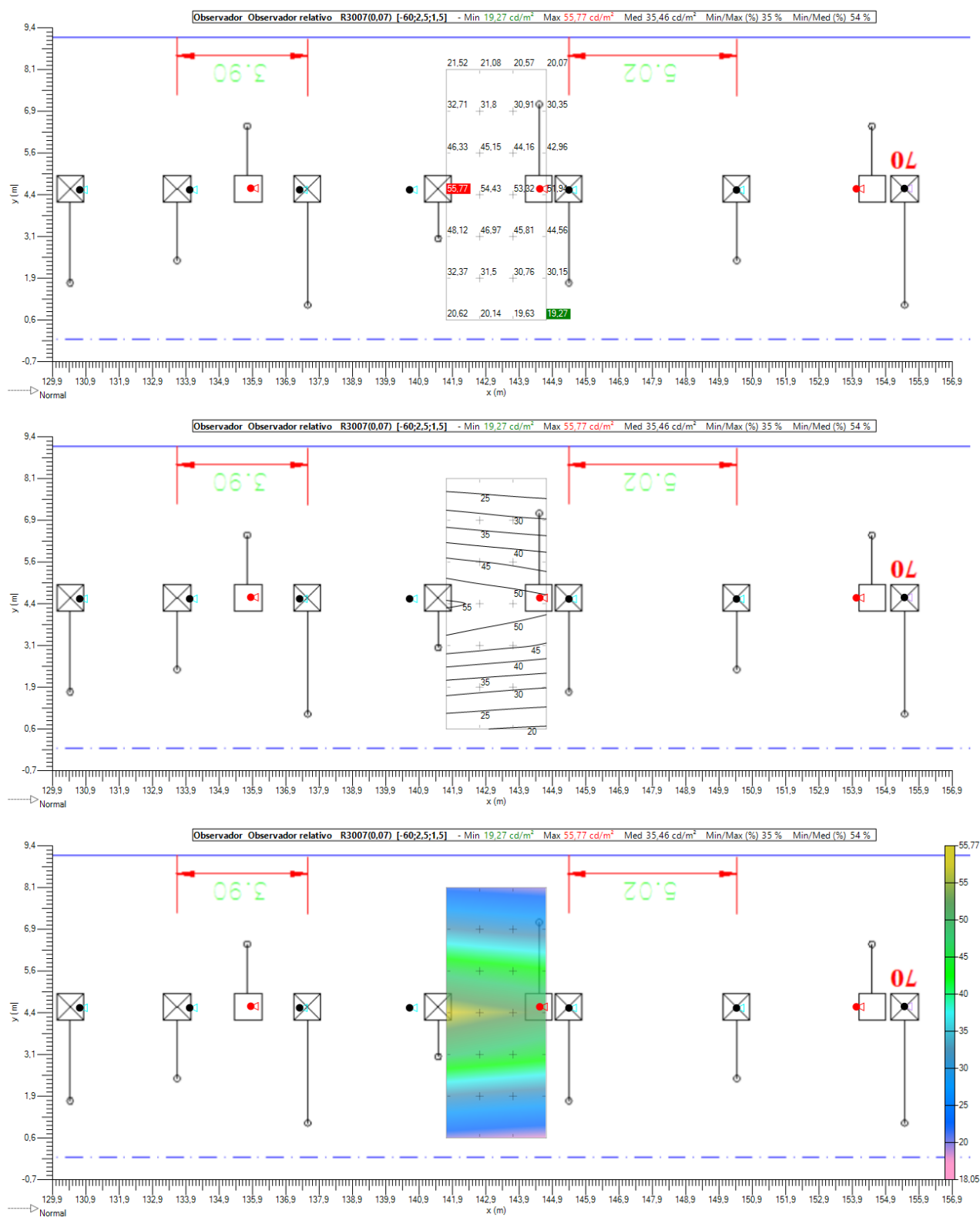


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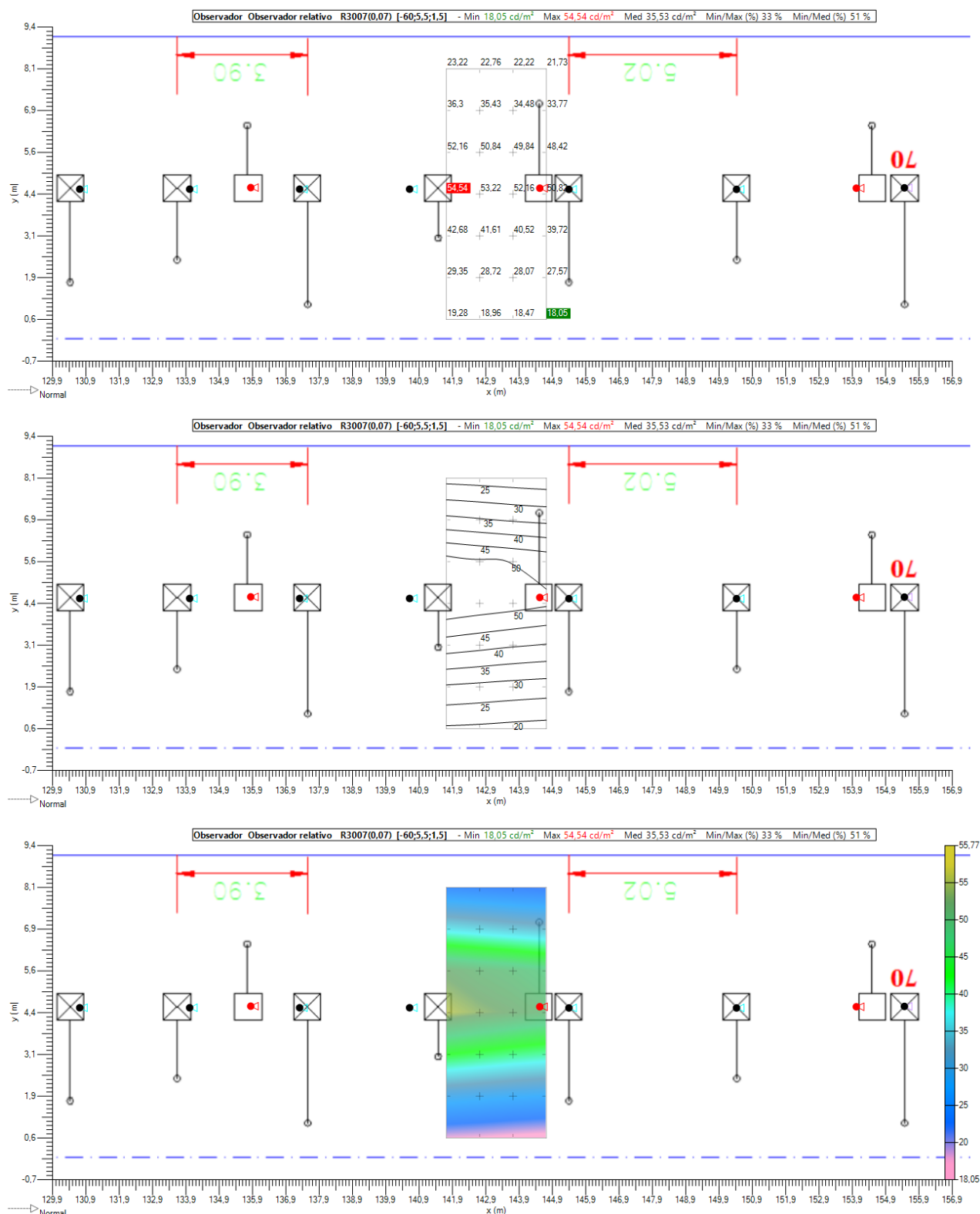


5.6. Luminância - ZONA TRANSIÇÃO 1 - R3007

ZONA TRANSIÇÃO 1 - Relative 1

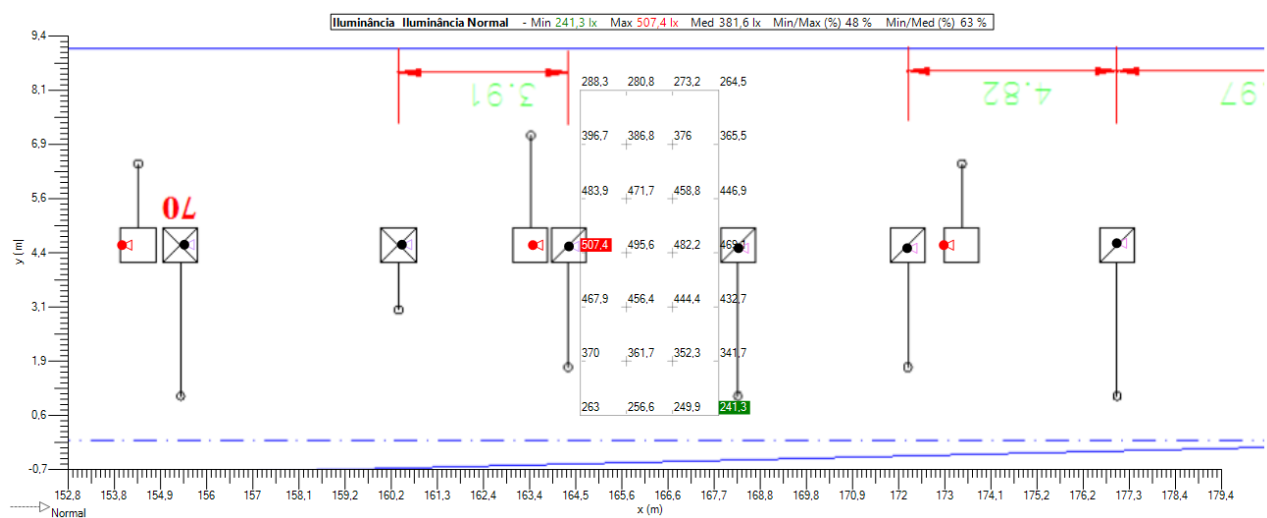


ZONA TRANSIÇÃO 1 - Relative 2

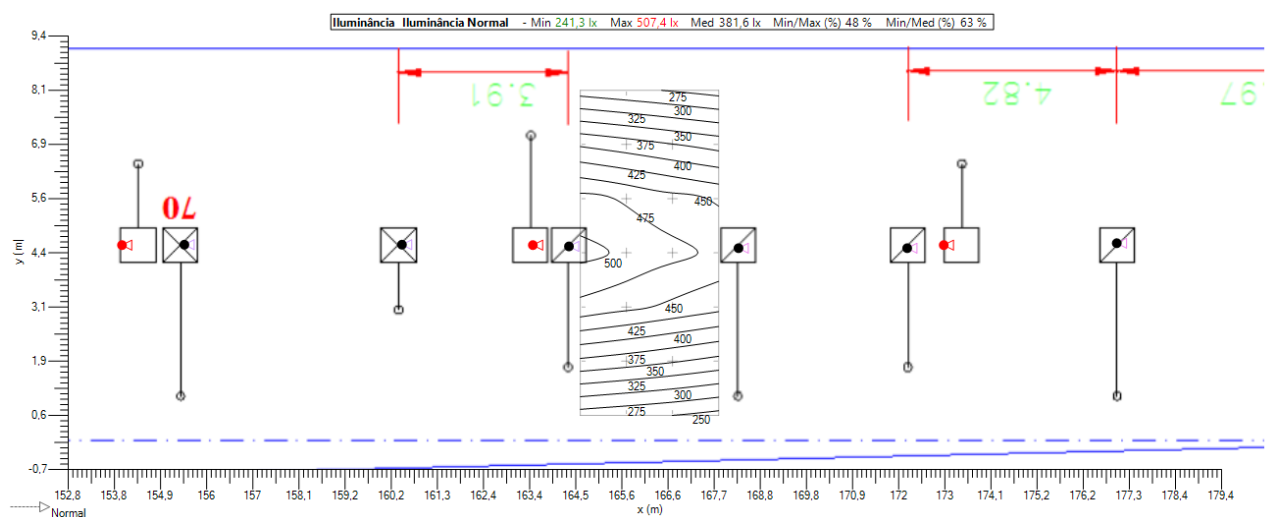


5.7. ZONA TRANSIÇÃO 2 - Normal

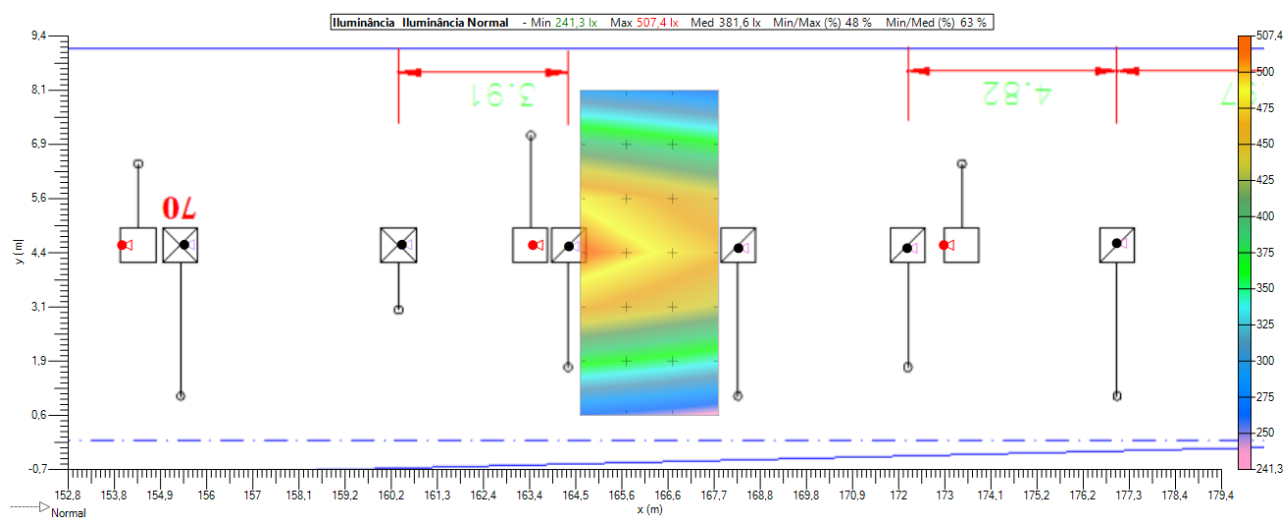
Resultados



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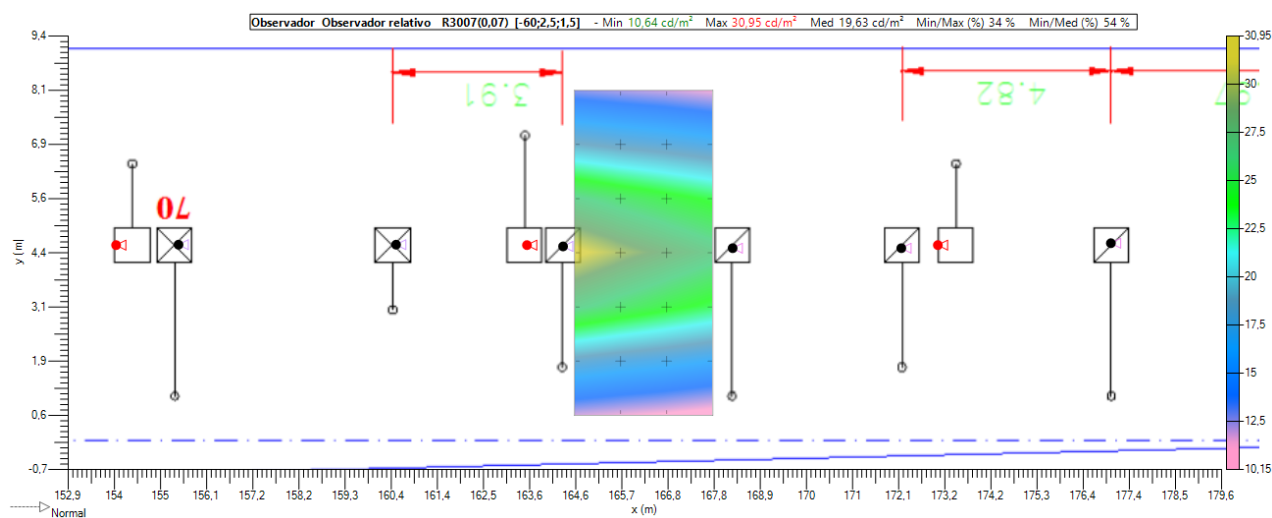
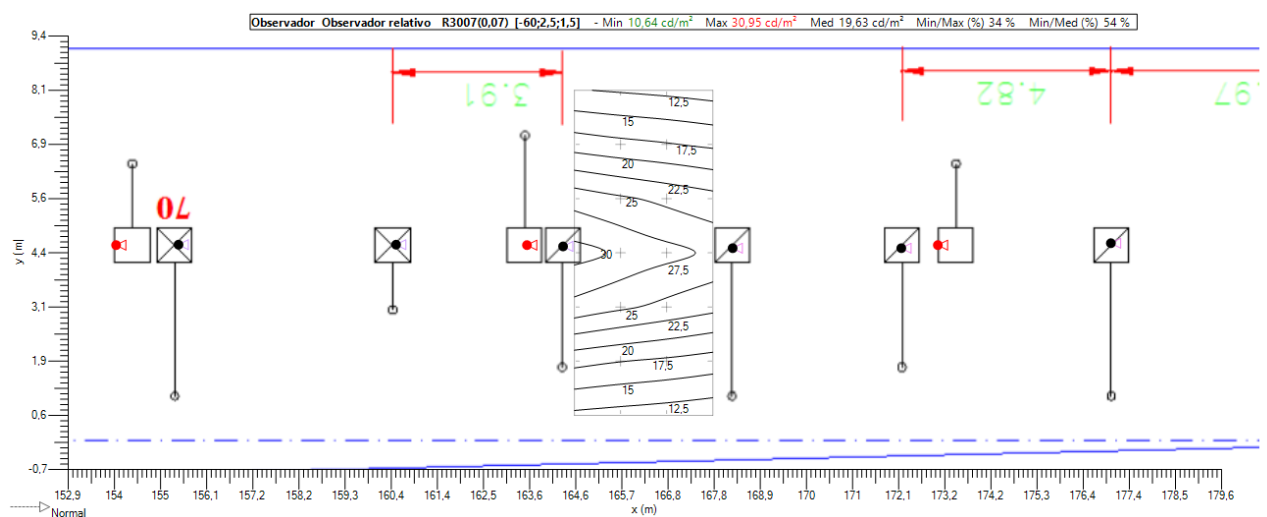
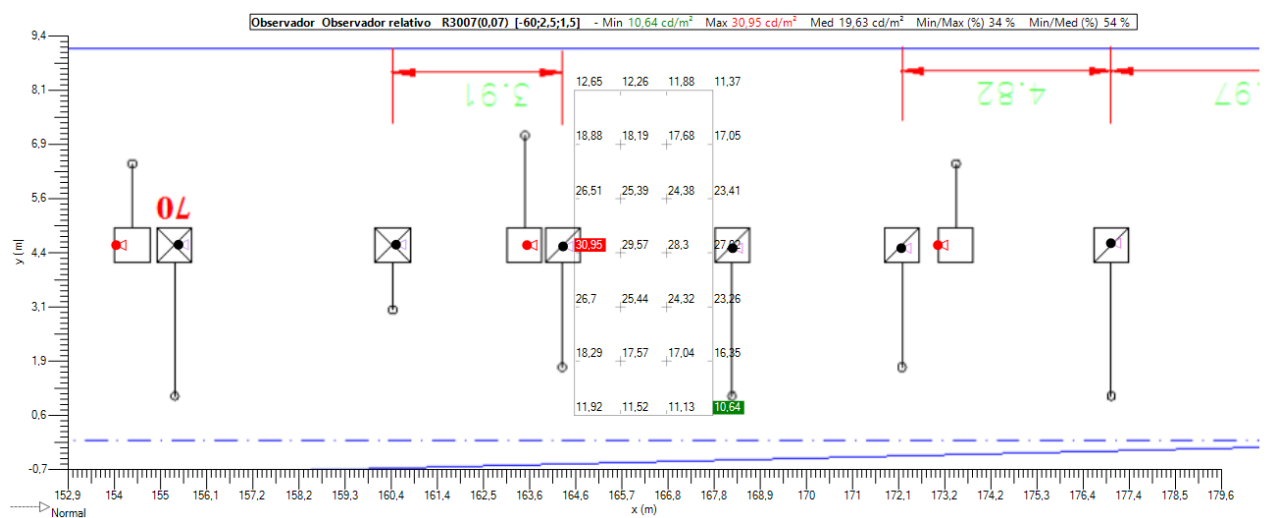


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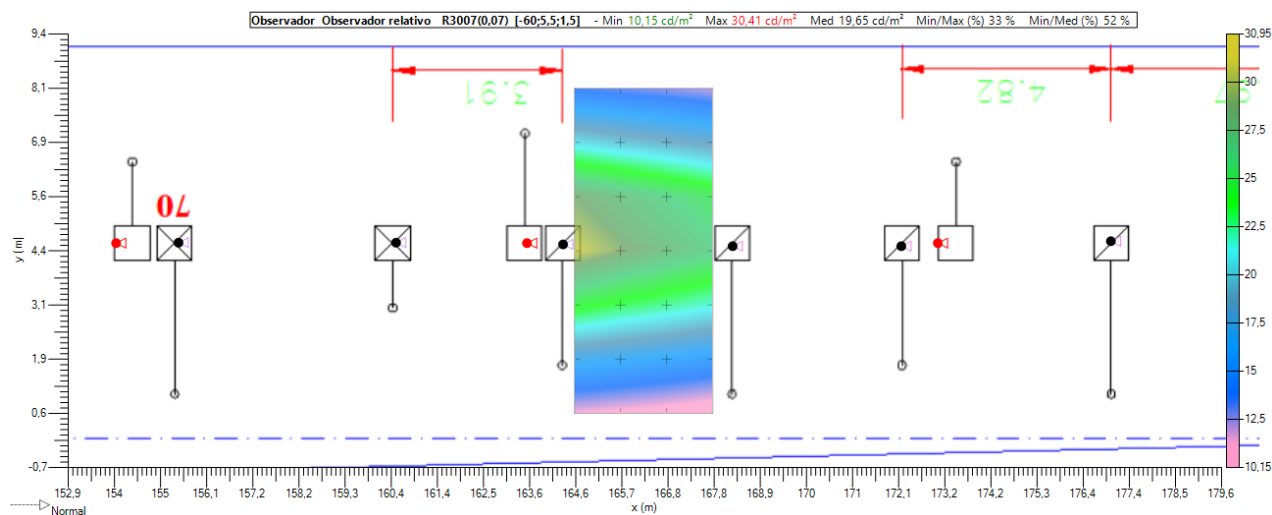
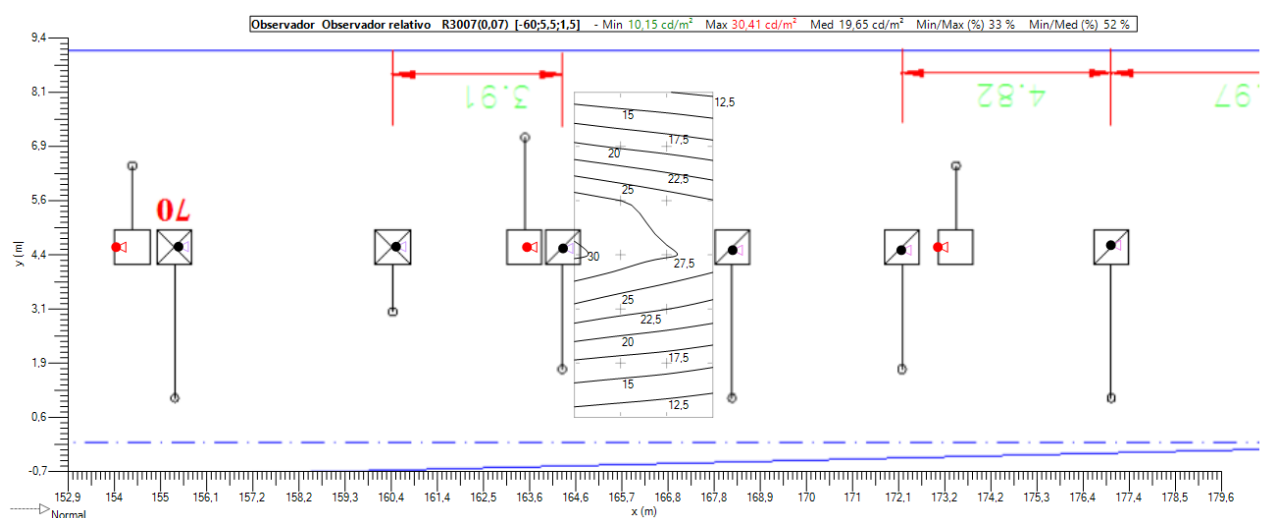
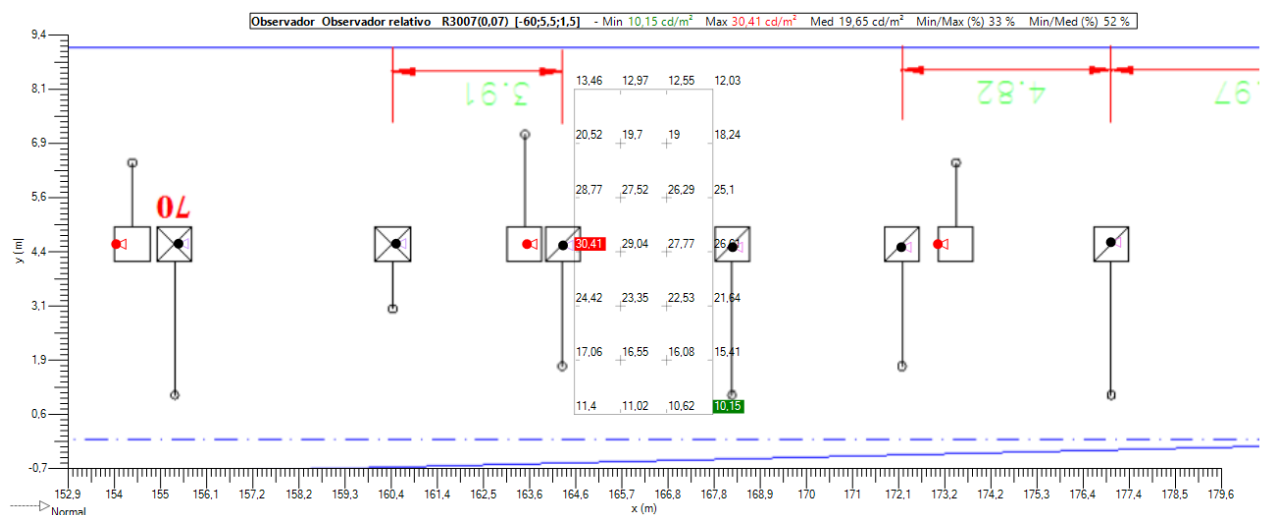


5.8. Luminância - ZONA TRANSIÇÃO 2 - R3007

ZONA TRANSIÇÃO 2 - Relative 1

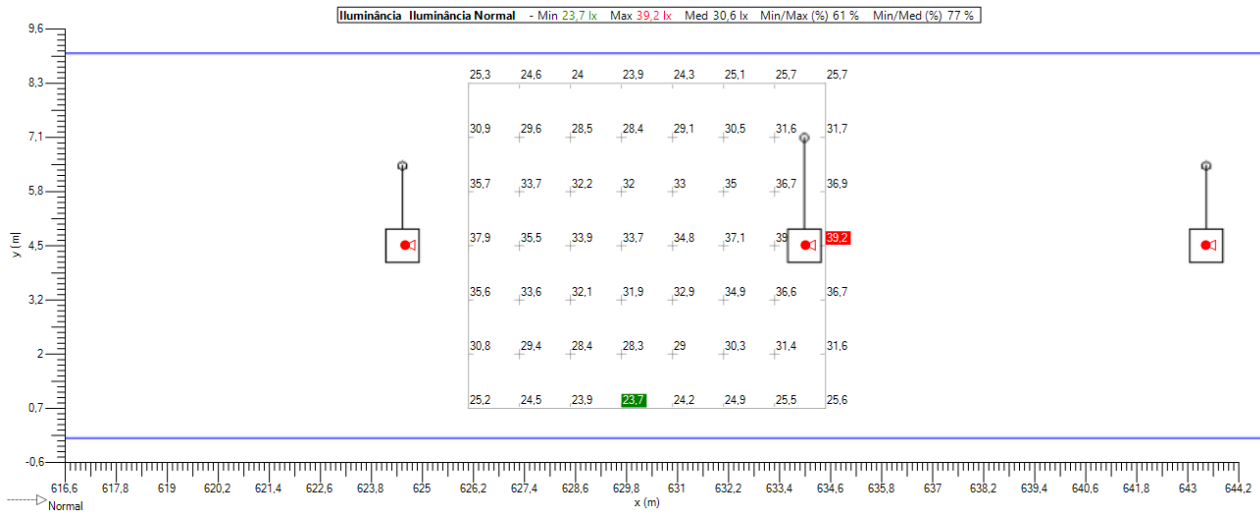


ZONA TRANSIÇÃO 2 - Relative 2

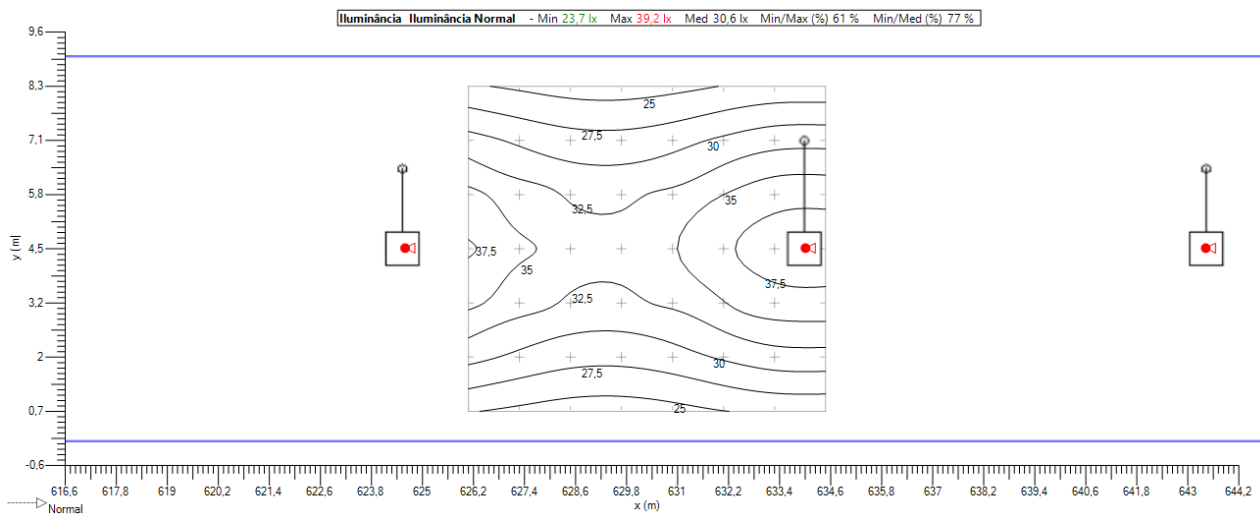


5.9. ZONA INTERIOR - Normal

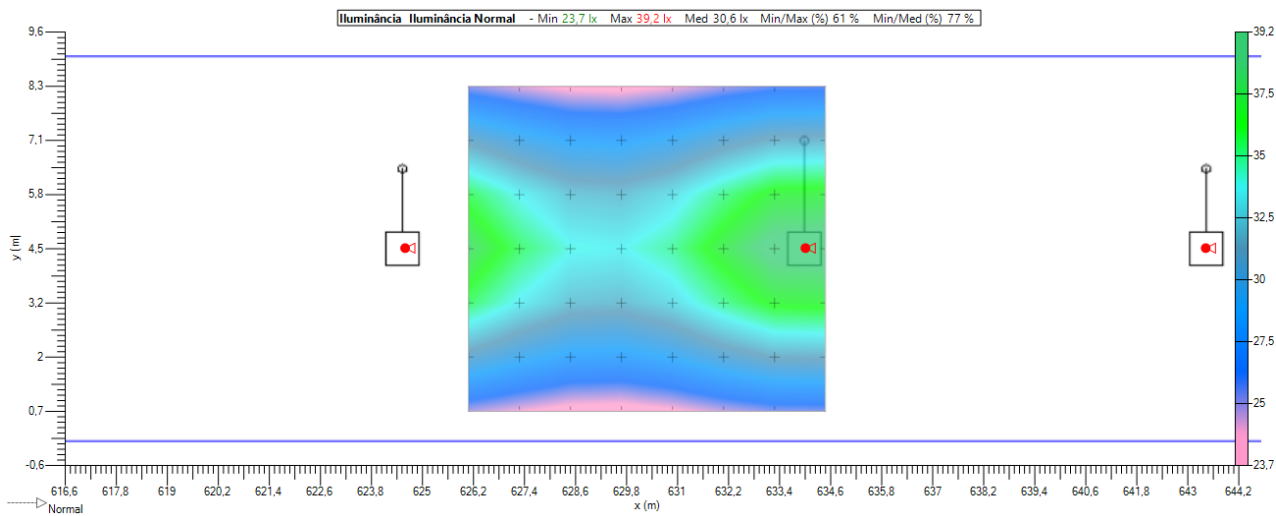
Resultados

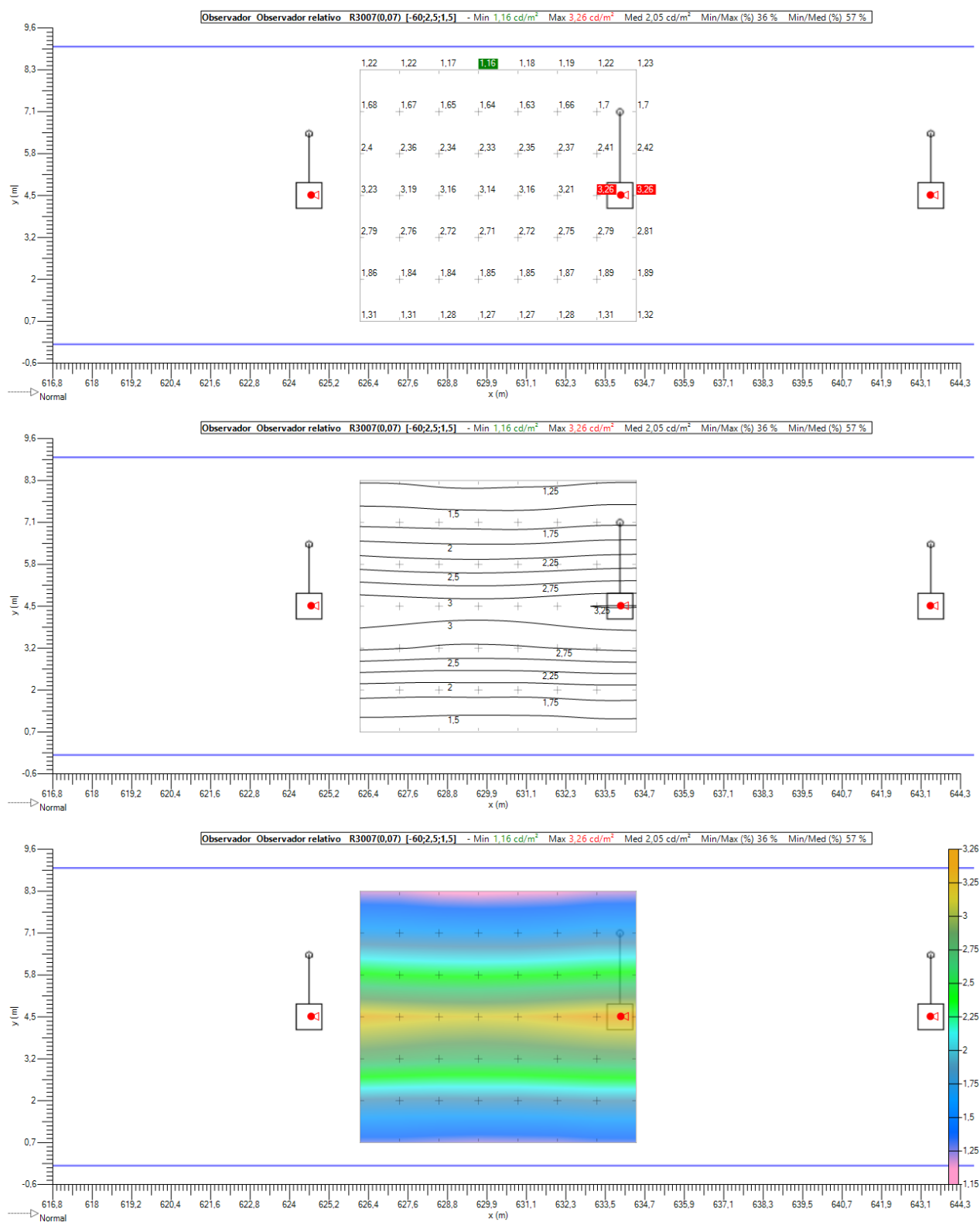


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Sombreado



5.10. Luminância - ZONA INTERIOR - R3007**ZONA INTERIOR - Relative 1**

ZONA INTERIOR - Relative 2

