

TÚNEIS DO POMAR

Data 02/11/2020

Application Ulysse 3.4.8

Description REG. DIURNO

Índice

1.	Vistas	4
1.1.	Snapshot item	4
2.	Equipamentos.....	5
2.1.	GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S	5
2.2.	TFLEX COMBI 5305 160 LH351C 800mA NW 740 408W 455112 Flat glass - 230V EF	5
2.3.	TFLEX COMBI 5305 160 LH351C 600mA NW 740 302W 455112 Flat glass - 230V EF	6
2.4.	TFLEX COMBI 5305 160 LH351C 500mA NW 740 248W 455112 Flat glass - 230V EF	6
2.5.	TFLEX COMBI 5305 120 LH351C 700mA NW 740 260W 455112 Flat glass - 230V EF	6
2.6.	TFLEX COMBI 5305 120 LH351C 600mA NW 740 224W 455112 Flat glass - 230V EF	7
2.7.	TFLEX COMBI 5305 120 LH351C 400mA NW 740 146W 455112 Flat glass - 230V EF	7
2.8.	TFLEX COMBI 5305 80 LH351C 600mA NW 740 151W 455112 Flat glass - 230V EF	7
2.9.	GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 336322	8
2.10.	TFLEX COMBI 5303 80 LH351C 350mA NW 740 85W 455092 Flat glass - 230V EF	8
2.11.	TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF	9
3.	Resultados	10
3.1.	Resultado Malha	10
4.	Potência consumida	13
4.1.	DIURNO	13
5.	DIURNO	13
5.1.	Descrição Matriz	13
5.2.	Grupos de luminárias.....	14
5.3.	Z. ENTRADA SUL.1 - Normal.....	16
5.4.	Luminância - Z. ENTRADA SUL.1 - R3007	17
5.5.	Z. ENTRADA SUL.2 - Normal.....	19
5.6.	Luminância - Z. ENTRADA SUL.2 - R3007	20
5.7.	Z. TRANSIÇÃO SUL - 1 - Normal.....	22
5.8.	Luminância - Z. TRANSIÇÃO SUL - 1 - R3007	23
5.9.	Z. TRANSIÇÃO SUL - 2 - Normal.....	25
5.10.	Luminância - Z. TRANSIÇÃO SUL - 2 - R3007	26
5.11.	Z. TRANSIÇÃO SUL - 3 - Normal.....	28
5.12.	Luminância - Z. TRANSIÇÃO SUL - 3 - R3007	29
5.13.	Z. TRANSIÇÃO SUL.4.... - Normal.....	31
5.14.	Luminância - Z. TRANSIÇÃO SUL.4.... - R3007	32
5.15.	Z. INTERIOR - Normal	34
5.16.	Luminância - Z. INTERIOR - R3007	35
5.17.	Z. TRANSIÇÃO NORTE - 4 - Normal	37
5.18.	Z. TRANSIÇÃO NORTE - 4 - Luminance RTable - Relative 1	38

5.19.	Z. TRANSIÇÃO NORTE - 3 - Normal	39
5.20.	Z. TRANSIÇÃO NORTE - 3 - Luminance RTable - Relative 1	40
5.21.	Z. TRANSIÇÃO NORTE - 2 - Normal	41
5.22.	Z. TRANSIÇÃO NORTE - 2 - Luminance RTable - Relative 1	42
5.23.	Z. TRANSIÇÃO NORTE - 1 - Normal	43
5.24.	Z. TRANSIÇÃO NORTE - 1 - Luminance RTable - Relative 1	44
5.25.	Z. ENTRADA NORTE_2 - Normal.....	45
5.26.	Z. ENTRADA NORTE_2 - Luminance RTable - Relative 1	46
5.27.	Z. ENTRADA NORTE_1 - Normal.....	47
5.28.	Z. ENTRADA NORTE_1 - Luminance RTable - Relative 1	48
5.29.	Z. ENTRADA SUL.1-2 - Normal.....	49
5.30.	Luminância - Z. ENTRADA SUL.1-2 - R3007	50
5.31.	Z. ENTRADA NORTE_1-2 - Normal	52
5.32.	Z. ENTRADA NORTE_1-2 - Luminance RTable - Relative 1	53

1. Vistas

1.1. Snapshot item



2. Equipamentos

2.1. GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S

Tipo GL2 Compact 2

Reflector 5103

Fonte 32 LEDs 500mA NW740 740

Protector Plano(a), Vidro extra claro, Liso

Regulação Simétrico

Fluxo nominal 7,847 klm

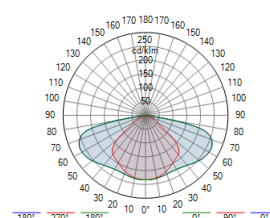
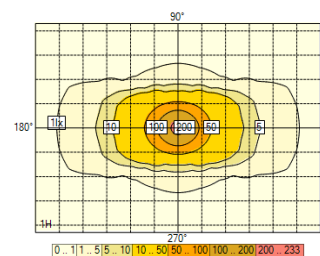
Potência 50,0 W

FM 0,85

Matriz 33632S

Fluxo luminária 6,619 klm

Eficácia 132 lm/W



2.2. TFLEX COMBI 5305 160 LH351C 800mA NW 740 408W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 160 LH351C@800mA ...

Fonte 160 LH351C@800mA NW 740 230V 00-59-015

Fluxo nominal 59,523 klm

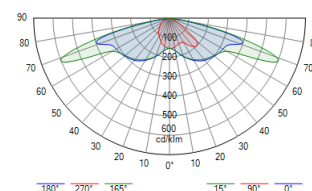
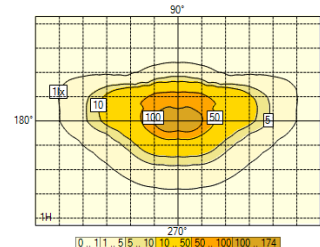
Potência 408,0 W

FM 0,85

Matriz TFLEX COMBI 5305 160 LH351C 800mA NW ...

Fluxo luminária 49,666 klm

Eficácia 122 lm/W



2.3. TFLEX COMBI 5305 160 LH351C 600mA NW 740 302W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 160 LH351C@600mA ...

Fonte 160 LH351C@600mA NW 740 230V 00-46-453

Fluxo nominal 47,910 klm

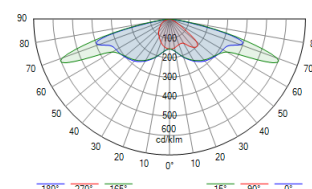
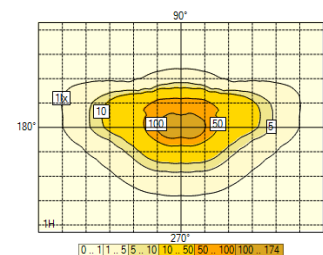
Potência 302,0 W

FM 0,85

Matriz TFLEX COMBI 5305 160 LH351C 600mA NW ...

Fluxo luminária 39,976 klm

Eficácia 132 lm/W



2.4. TFLEX COMBI 5305 160 LH351C 500mA NW 740 248W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 160 LH351C@500mA ...

Fonte 160 LH351C@500mA NW 740 230V 00-46-453

Fluxo nominal 41,283 klm

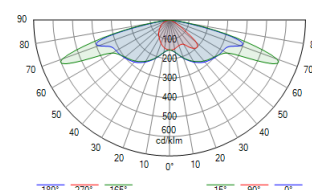
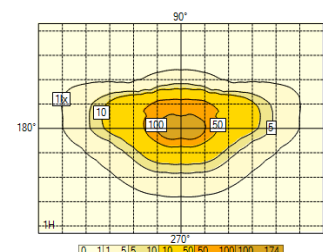
Potência 248,0 W

FM 0,85

Matriz TFLEX COMBI 5305 160 LH351C 500mA NW ...

Fluxo luminária 34,446 klm

Eficácia 139 lm/W



2.5. TFLEX COMBI 5305 120 LH351C 700mA NW 740 260W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 120 LH351C@700mA ...

Fonte 120 LH351C@700mA NW 740 230V 00-26-607

Fluxo nominal 40,492 klm

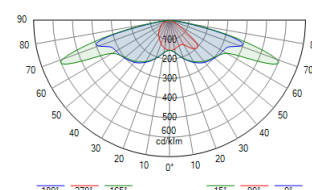
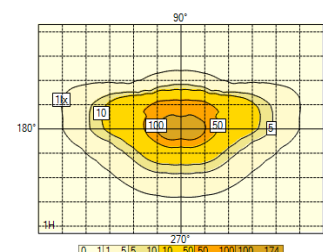
Potência 260,0 W

FM 0,85

Matriz TFLEX COMBI 5305 120 LH351C 700mA NW ...

Fluxo luminária 33,786 klm

Eficácia 130 lm/W



2.6. TFLEX COMBI 5305 120 LH351C 600mA NW 740 224W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 120 LH351C@600mA ...

Fonte 120 LH351C@600mA NW 740 230V 00-70-392

Fluxo nominal 35,932 klm

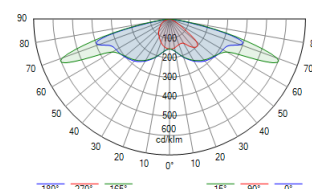
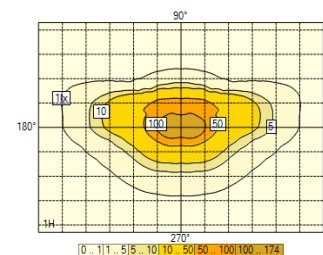
Potência 224,0 W

FM 0,85

Matriz TFLEX COMBI 5305 120 LH351C 600mA NW ...

Fluxo luminária 29,982 klm

Eficácia 134 lm/W



2.7. TFLEX COMBI 5305 120 LH351C 400mA NW 740 146W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 120 LH351C@400mA ...

Fonte 120 LH351C@400mA NW 740 230V 00-70-392

Fluxo nominal 25,627 klm

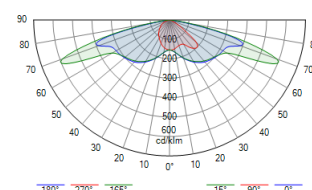
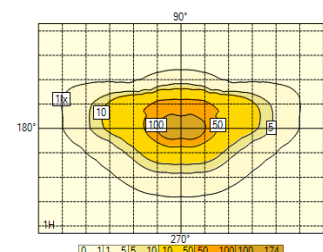
Potência 146,0 W

FM 0,85

Matriz TFLEX COMBI 5305 120 LH351C 400mA NW ...

Fluxo luminária 21,383 klm

Eficácia 146 lm/W



2.8. TFLEX COMBI 5305 80 LH351C 600mA NW 740 151W 455112 Flat glass - 230V EF

Tipo TFLEX COMBI 5305 Flat glass - 80 LH351C@600mA ...

Fonte 80 LH351C@600mA NW 740 230V 00-46-453

Fluxo nominal 23,955 klm

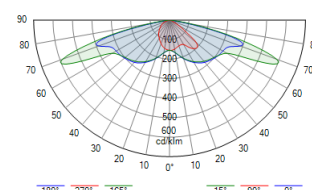
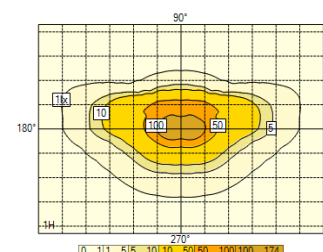
Potência 151,0 W

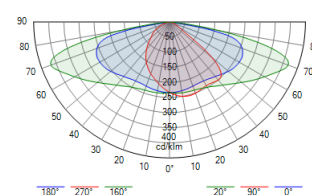
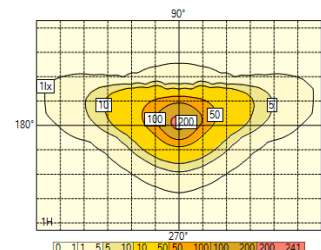
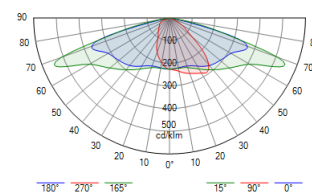
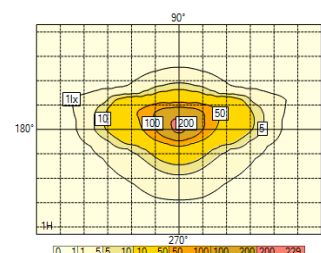
FM 0,85

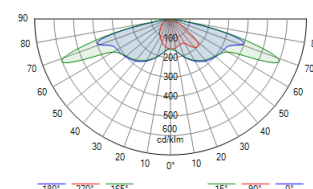
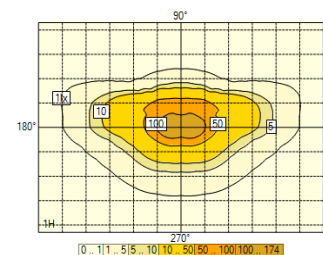
Matriz TFLEX COMBI 5305 80 LH351C 600mA NW ...

Fluxo luminária 19,988 klm

Eficácia 132 lm/W



2.9. GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 336322**Tipo** GL2 Compact 2**Reflector** 5103**Fonte** 32 LEDs 500mA NW740 740**Protector** Plano(a), Vidro extra claro, Liso**Fluxo nominal** 7,847 klm**Potência** 50,0 W**FM** 0,85**Matriz** 336322**Fluxo luminária** 6,643 klm**Eficácia** 133 lm/W**2.10. TFLEX COMBI 5303 80 LH351C 350mA NW 740 85W 455092 Flat glass - 230V EF****Tipo** TFLEX COMBI 5303 Flat glass - 80 LH351C@350mA ...**Fonte** 80 LH351C@350mA NW 740 230V 00-38-174**Fluxo nominal** 15,200 klm**Potência** 85,0 W**FM** 0,85**Matriz** TFLEX COMBI 5303 80 LH351C 350mA NW ...**Fluxo luminária** 12,875 klm**Eficácia** 151 lm/W

2.11. TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF**Tipo** TFLEX COMBI 5305 Flat glass - 80 LH351C@500mA ...**Fonte** 80 LH351C@500mA NW 740 230V 00-24-983**Fluxo nominal** 20,641 klm**Potência** 128,0 W**FM** 0,85**Matriz** TFLEX COMBI 5305 80 LH351C 500mA NW ...**Fluxo luminária** 17,223 klm**Eficácia** 135 lm/W

3. Resultados

3.1. Resultado Malha

Z. ENTRADA SUL.1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	2590,6	72	58	1855,5	3186,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
DIURNO - Observador 1 (-44,50; 2,80; 1,50)	209,51	53	35	111,02	321,23	98 %	N/A
DIURNO - Observador 2 (-44,50; 5,80; 1,50)	213,93	46	31	98,88	323,75	98 %	N/A

Z. ENTRADA SUL.2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	1855,3	70	58	1294,3	2243,3	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
DIURNO - Observador 1 (-13,00; 2,80; 1,50)	102,21	58	41	59,50	143,70	95 %	N/A
DIURNO - Observador 2 (-13,00; 5,80; 1,50)	103,31	54	39	56,08	144,54	95 %	N/A

Z. TRANSIÇÃO SUL - 1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	701,2	68	56	478,2	860,0	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
DIURNO - Observador 1 (10,50; 2,80; 1,50)	42,55	57	39	24,09	61,12	93 %	N/A
DIURNO - Observador 2 (10,50; 5,80; 1,50)	43,01	52	36	22,43	61,74	93 %	N/A

Z. TRANSIÇÃO SUL - 2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	342,1	69	57	236,0	416,7	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)	
DIURNO - Observador 1 (41,00; 2,80; 1,50)	23,52	55	38	13,02	34,51	95 %	N/A
DIURNO - Observador 2 (41,00; 5,80; 1,50)	23,81	50	34	11,92	34,92	96 %	N/A

Z. TRANSIÇÃO SUL - 3

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	201,1	70	58	140,7	241,5	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (80,00; 2,80; 1,50)	13,82	56	40	7,76	19,58	94 %
DIURNO - Observador 2 (80,00; 5,80; 1,50)	13,93	52	36	7,23	20,02	95 %

Z. TRANSIÇÃO SUL.4....

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	168,6	69	56	115,8	206,5	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (96,00; 2,80; 1,50)	7,80	56	40	4,36	11,02	74 %
DIURNO - Observador 2 (96,00; 5,80; 1,50)	7,71	55	38	4,22	11,23	75 %

Z. INTERIOR

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	37,8	65	46	24,6	53,4	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (409,00; 2,80; 1,50)	2,69	64	52	1,72	3,31	95 %
DIURNO - Observador 2 (409,00; 5,30; 1,50)	2,60	61	48	1,57	3,29	94 %

Z. TRANSIÇÃO NORTE - 4

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	131,1	81	71	106,8	150,0	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (763,50; 8,10; 1,50)	9,43	72	59	6,82	11,48	96 %

Z. TRANSIÇÃO NORTE - 3

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	206,6	78	67	160,6	239,9	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (799,00; 8,10; 1,50)	13,39	72	59	9,59	16,38	93 %

Z. TRANSIÇÃO NORTE - 2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	336,1	88	82	295,8	362,9	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (836,00; 8,10; 1,50)	21,71	77	64	16,62	25,80	92 %

Z. TRANSIÇÃO NORTE - 1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	655,6	87	77	568,2	737,9	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (868,00; 8,10; 1,50)	43,46	79	65	34,16	52,38	91 %

Z. ENTRADA NORTE_2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	2134,4	93	87	1984,3	2290,0	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (901,00; 8,10; 1,50)	152,66	82	69	124,68	181,85	97 %

Z. ENTRADA NORTE_1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	3291,6	89	82	2935,1	3599,7	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (946,00; 8,10; 1,50)	311,60	80	65	248,15	382,60	99 %

Z. ENTRADA SUL.1-2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	2648,9	71	59	1888,3	3185,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (-24,00; 2,80; 1,50)	150,56	58	41	87,64	215,91	96 %
DIURNO - Observador 2 (-24,00; 5,80; 1,50)	152,40	54	38	82,21	217,26	97 %

Z. ENTRADA NORTE_1-2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	3693,4	92	86	3395,1	3966,8	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (922,00; 8,10; 1,50)	263,68	82	68	216,93	316,72	98 %

4. Potência consumida

4.1. DIURNO

equipamento	Current [mA]	Qt.	Dimming	Potência / Equipamen to	Total
GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 336322	500	14	100 %	50 W	703 W
GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S	500	114	100 %	50 W	5723 W
TFLEX COMBI 5303 80 LH351C 350mA NW 740 85W 455092 Flat glass - 230V EF	0	6	100 %	85 W	510 W
TFLEX COMBI 5305 120 LH351C 400mA NW 740 146W 455112 Flat glass - 230V EF	0	13	100 %	146 W	1898 W
TFLEX COMBI 5305 120 LH351C 600mA NW 740 224W 455112 Flat glass - 230V EF	0	9	100 %	224 W	2016 W
TFLEX COMBI 5305 120 LH351C 700mA NW 740 260W 455112 Flat glass - 230V EF	0	12	100 %	260 W	3120 W
TFLEX COMBI 5305 160 LH351C 500mA NW 740 248W 455112 Flat glass - 230V EF	0	18	100 %	248 W	4464 W
TFLEX COMBI 5305 160 LH351C 600mA NW 740 302W 455112 Flat glass - 230V EF	0	74	100 %	302 W	22348 W
TFLEX COMBI 5305 160 LH351C 800mA NW 740 408W 455112 Flat glass - 230V EF	0	25	100 %	408 W	10200 W
TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF	0	4	100 %	128 W	512 W
TFLEX COMBI 5305 80 LH351C 600mA NW 740 151W 455112 Flat glass - 230V EF	0	5	100 %	151 W	755 W

5. DIURNO

5.1. Descrição Matriz

Ph. color	Descrição	Current [mA]	Fluxo nominal [klm]	Fluxo luminária [klm]	Potênci a [W]	Eficácia [lm/W]	FM	Altura [m]	Equipamen to
	GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 336322	500	7,847	6,643	50,2	132	0,850	14 x 6,20	
	GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S	500	7,847	6,619	50,2	132	0,850	57 x 6,30 57 x 6,90	
	TFLEX COMBI 5303 80 LH351C 350mA NW 740 85W 455092 Flat glass - 230V EF		15,200	12,875	85,0	151	0,850	6 x 6,20	
	TFLEX COMBI 5305 120 LH351C 400mA NW 740 146W 455112 Flat glass - 230V EF		25,627	21,383	146,0	146	0,850	6 x 6,20 7 x 6,90	
	TFLEX COMBI 5305 120 LH351C 600mA NW 740 224W 455112 Flat glass - 230V EF		35,932	29,982	224,0	134	0,850	6 x 6,20 3 x 6,90	
	TFLEX COMBI 5305 120 LH351C 700mA NW 740 260W 455112 Flat glass - 230V EF		40,492	33,786	260,0	130	0,850	9 x 6,20 3 x 6,90	
	TFLEX COMBI 5305 160 LH351C 500mA NW 740 248W 455112 Flat glass - 230V EF		41,283	34,446	248,0	139	0,850	14 x 6,20 4 x 6,90	

	TFLEX COMBI 5305 160 LH351C 600mA NW 740 302W 455112 Flat glass - 230V EF		47,910	39,976	302,0	132	0,850	53 x 6,20 21 x 6,90	
	TFLEX COMBI 5305 160 LH351C 800mA NW 740 408W 455112 Flat glass - 230V EF		59,523	49,666	408,0	122	0,850	25 x 6,90	
	TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF		20,641	17,223	128,0	135	0,850	4 x 6,20	
	TFLEX COMBI 5305 80 LH351C 600mA NW 740 151W 455112 Flat glass - 230V EF		23,955	19,988	151,0	132	0,850	5 x 6,90	

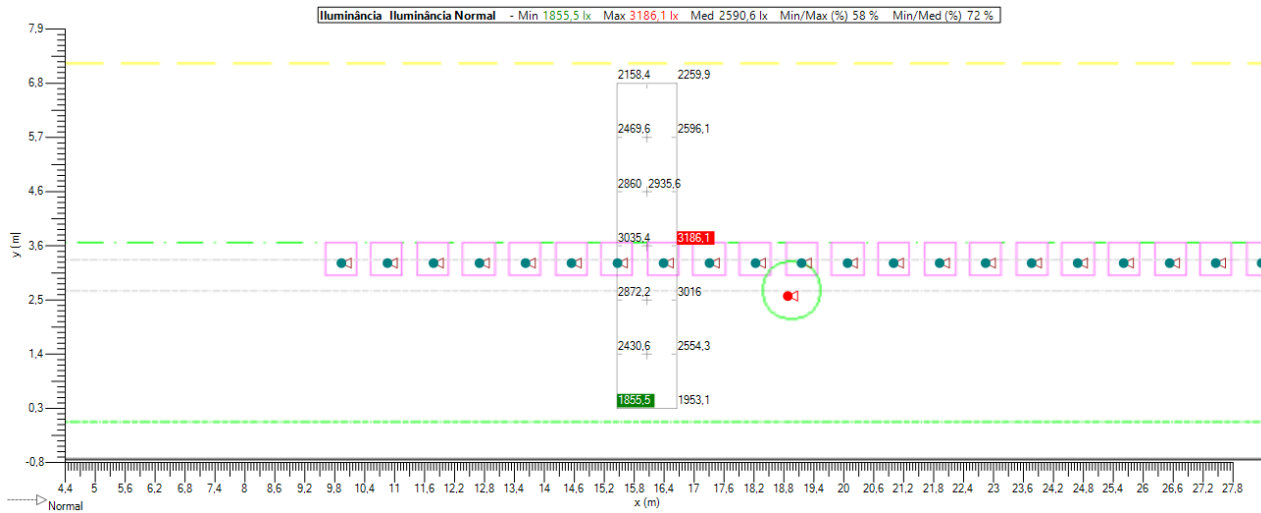
5.2. Grupos de luminárias

Linear																
	Color	N°	Posição			Luminária					Dimensão			Rotação		
			X [m]	Y [m]	Z [m]	Nome	Az [°]	Incl [°]	Rot [°]	Dim [%]	Nº de	Espaçamento [m]	Dim. Total [m]	X [°]	Y [°]	Z [°]
☒		1	2,91	2,55	6,90	REG. BASE_sul	0,0	0,0	0,0	100	57	16,01	896,56	0,0	0,0	0,0
☒		2	3,00	8,84	6,30	REG. BASE_norte	0,0	0,0	0,0	100	57	16,01	896,56	0,0	0,0	0,0
☒		3	9,98	3,21	6,90	Z. ENTRADA SUL	0,0	0,0	0,0	100	25	0,92	22,13	0,0	0,0	0,0
☒		4	33,00	3,24	6,90	Z. ENTRADA SUL (2)	0,0	0,0	0,0	100	14	0,92	11,97	0,0	0,0	0,0
☒		5	46,49	3,21	6,90	Z. ENTRADA SUL (1)	0,0	0,0	0,0	100	3	1,60	3,20	0,0	0,0	0,0
☒		6	51,54	3,22	6,90	Z. TRANSIÇÃO SUL	0,0	0,0	0,0	100	4	2,00	6,00	0,0	0,0	0,0
☒		7	59,75	3,23	6,90	Z. TRANSIÇÃO SUL (1)	0,0	0,0	0,0	100	4	2,40	7,20	0,0	0,0	0,0
☒		8	69,99	3,20	6,90	Z. TRANSIÇÃO SUL (2)	0,0	0,0	0,0	100	3	3,70	7,40	0,0	0,0	0,0
☒		9	81,98	3,17	6,90	Z. TRANSIÇÃO SUL (3)	0,0	0,0	0,0	100	3	5,15	10,30	0,0	0,0	0,0
☒		10	96,48	3,23	6,90	Z. TRANSIÇÃO SUL (4)	0,0	0,0	0,0	100	2	4,10	4,10	0,0	0,0	0,0
☒		11	104,75	3,21	6,90	Z. TRANSIÇÃO SUL (5)	0,0	0,0	0,0	100	5	5,00	20,00	0,0	0,0	0,0
☒		12	131,97	3,16	6,90	Z. TRANSIÇÃO SUL (6)	0,0	0,0	0,0	100	2	7,20	7,20	0,0	0,0	0,0
☒		13	146,90	3,16	6,90	Z. INTERIOR SUL	0,0	0,0	0,0	100	3	8,00	16,00	0,0	0,0	0,0
☒		14	699,26	9,45	6,20	Z. INTERIOR NORTE	0,0	0,0	0,0	100	5	5,60	22,40	0,0	0,0	180,0
☒		15	718,54	9,45	6,20	Z. INTERIOR NORTE (1)	0,0	0,0	0,0	100	4	4,70	14,10	0,0	0,0	180,0
☒		16	737,95	9,49	6,20	Z. TRANSIÇÃO NORTE	0,0	0,0	0,0	100	5	3,60	14,40	0,0	0,0	180,0
☒		17	753,18	9,40	6,20	Z. TRANSIÇÃO NORTE (1)	0,0	0,0	0,0	100	3	5,70	11,40	0,0	0,0	180,0
☒		18	768,21	9,43	6,20	Z. TRANSIÇÃO NORTE (2)	0,0	0,0	0,0	100	3	4,80	9,60	0,0	0,0	180,0
☒		19	783,98	9,40	6,20	Z. TRANSIÇÃO NORTE (3)	0,0	0,0	0,0	100	4	3,70	11,10	0,0	0,0	180,0
☒		20	801,63	9,48	6,20	Z. TRANSIÇÃO NORTE (4)	0,0	0,0	0,0	100	4	4,50	13,50	0,0	0,0	180,0
☒		21	808,58	9,47	6,20	Z. TRANSIÇÃO NORTE (5)	0,0	0,0	0,0	100	2	3,40	3,40	0,0	0,0	180,0
☒		22	813,95	9,49	6,20	Z. TRANSIÇÃO NORTE (6)	0,0	0,0	0,0	100	2	2,50	2,50	0,0	0,0	180,0

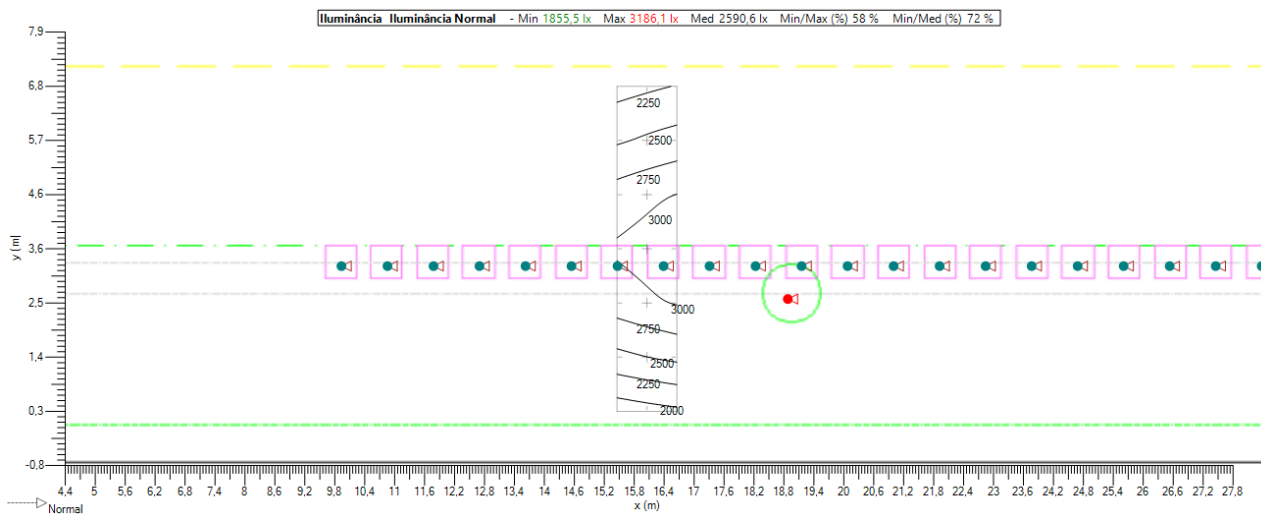
☒		23	821,97	9,44	6,20	Z. TRANSIÇÃO NORTE (7)	0,0	0,0	0,0	100	4	1,80	5,40	0,0	0,0	180,0
☒		24	835,96	9,46	6,20	Z. TRANSIÇÃO NORTE (8)	0,0	0,0	0,0	100	9	1,50	12,00	0,0	0,0	180,0
☒		25	843,98	9,47	6,20	Z. ENTRADA NORTE	0,0	0,0	0,0	100	7	1,10	6,60	0,0	0,0	180,0
☒		26	851,65	9,48	6,20	Z. ENTRADA NORTE (1)	0,0	0,0	0,0	100	7	0,77	4,62	0,0	0,0	180,0
☒		27	867,24	9,47	6,20	Z. ENTRADA NORTE (2)	0,0	0,0	0,0	100	20	0,77	14,63	0,0	0,0	180,0
☒		28	883,65	9,46	6,20	Z. ENTRADA NORTE (3)	0,0	0,0	0,0	100	21	0,78	15,60	0,0	0,0	180,0
☒		29	893,03	9,47	6,20	Z. ENTRADA NORTE (4)	0,0	0,0	0,0	100	12	0,78	8,58	0,0	0,0	180,0

5.3. Z. ENTRADA SUL.1 - Normal

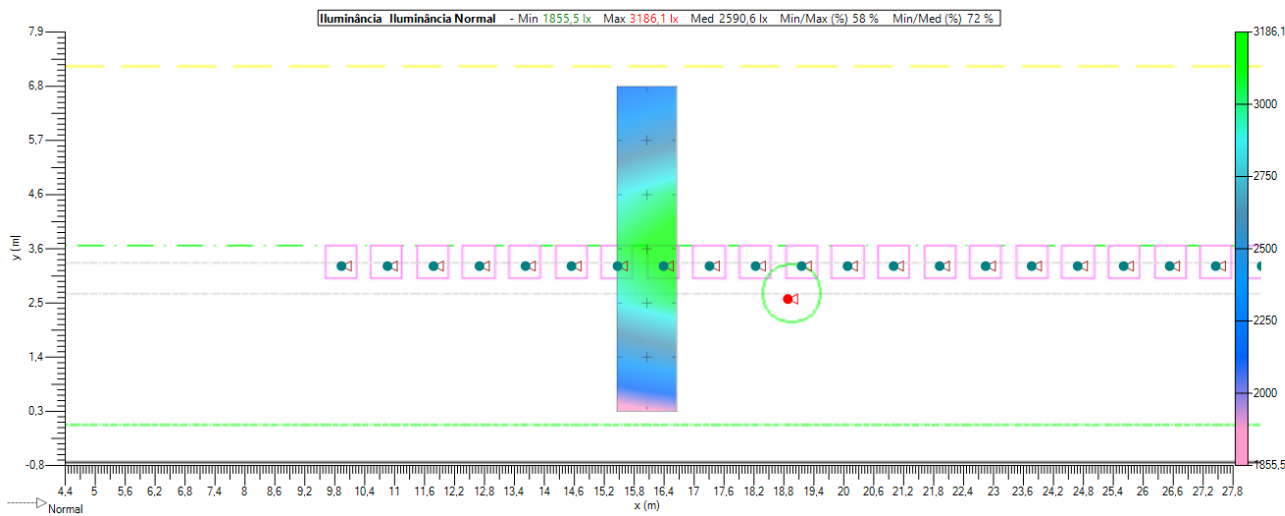
Resultados



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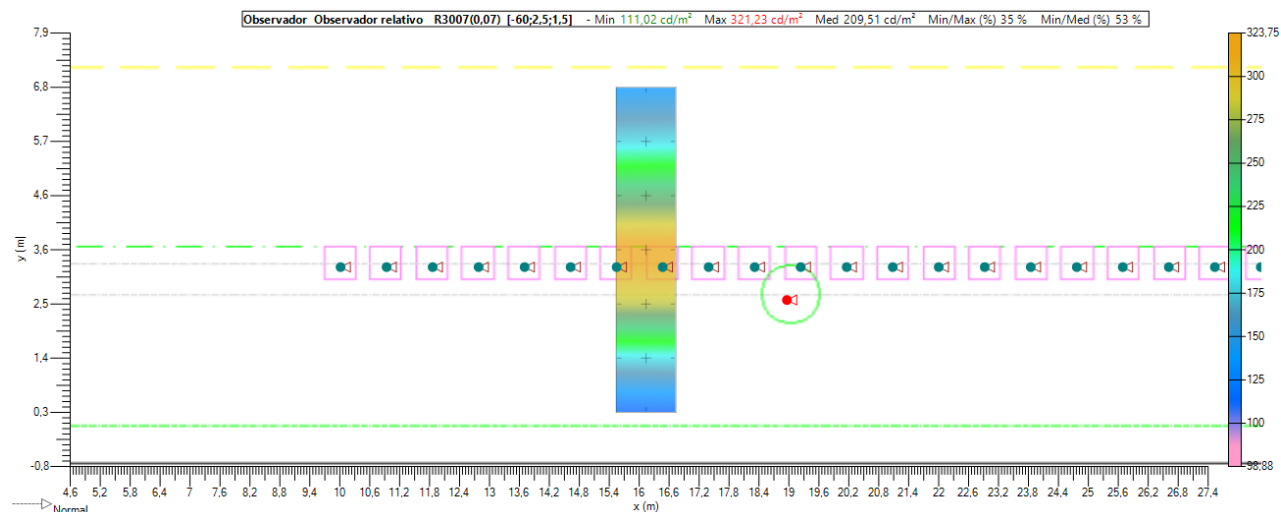
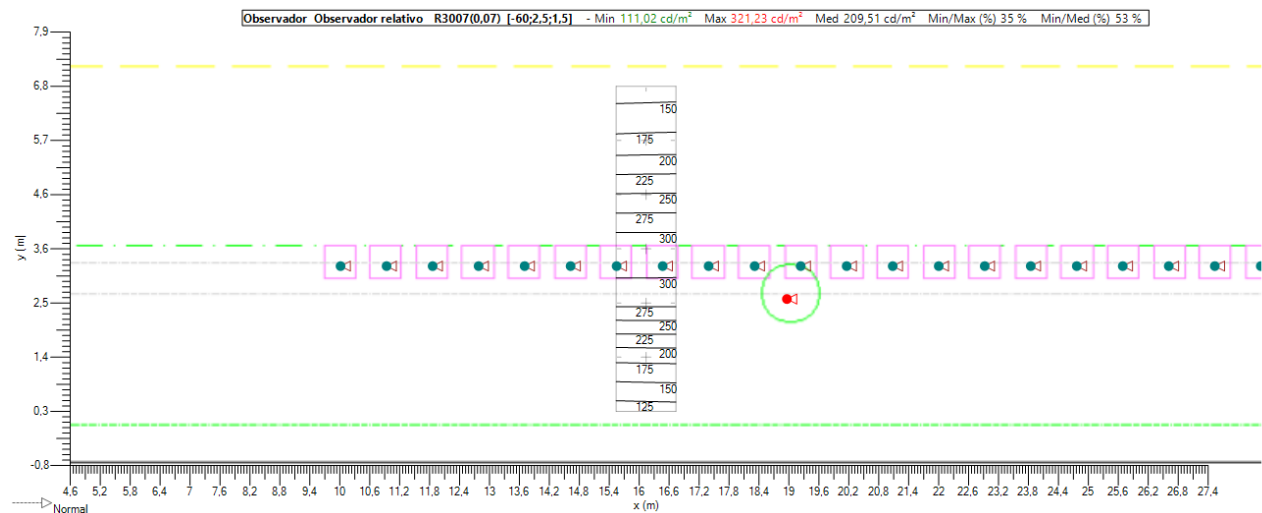
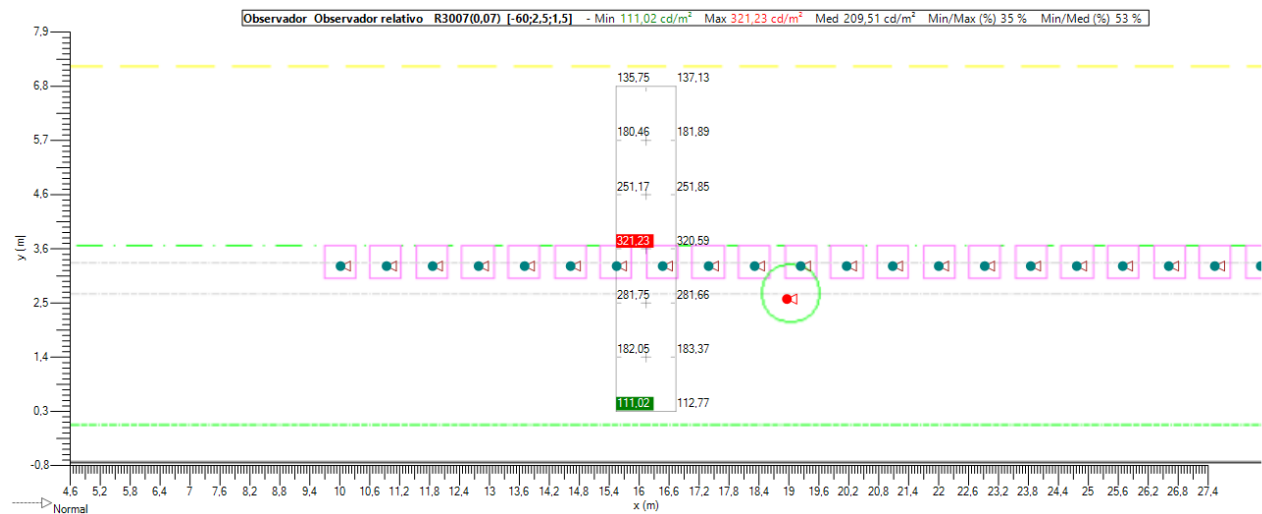


Sombreado



5.4. Luminância - Z. ENTRADA SUL.1 - R3007

Z. ENTRADA SUL.1 - Relative 1

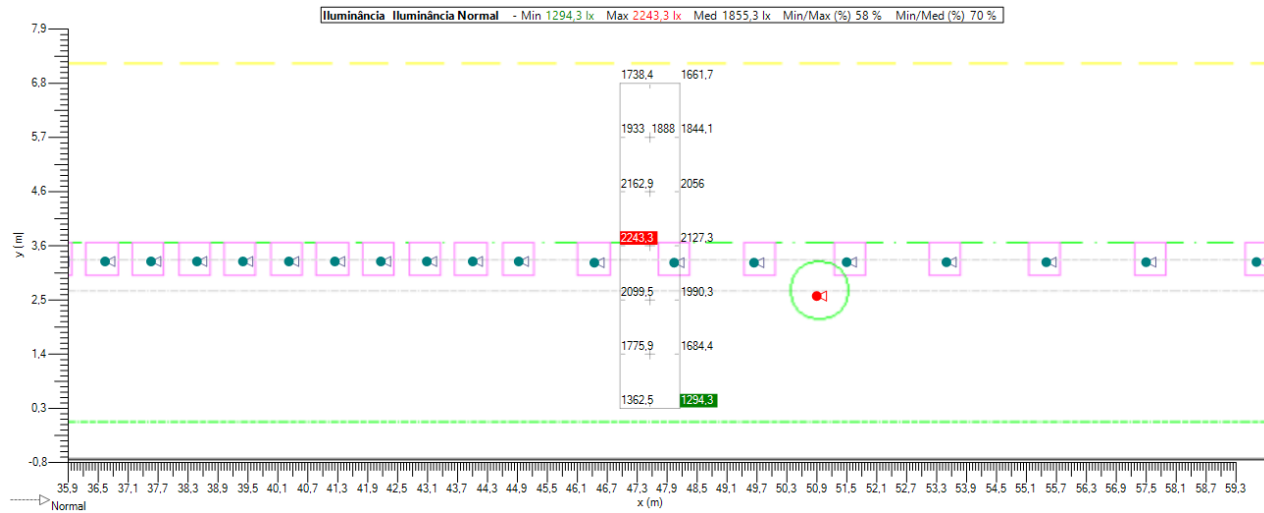


Z. ENTRADA SUL.1 - Relative 2

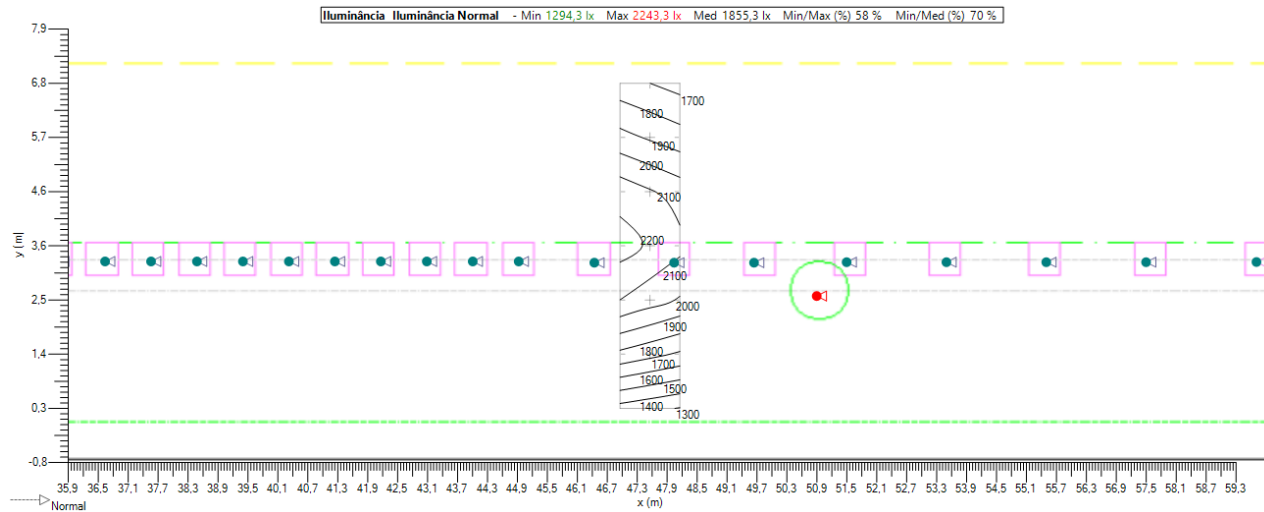


5.5. Z. ENTRADA SUL.2 - Normal

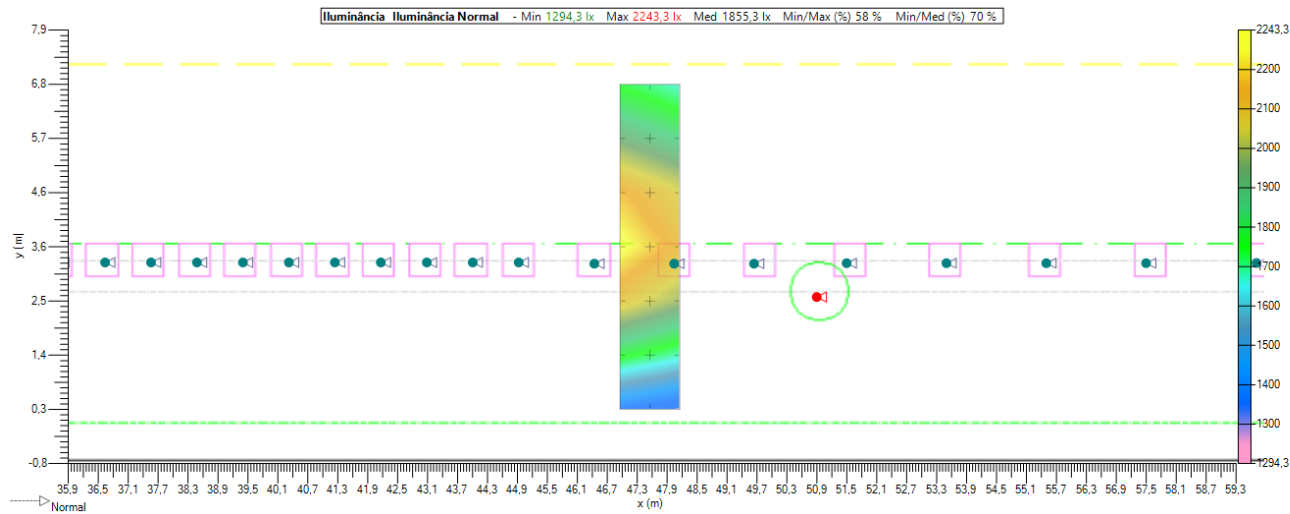
Resultados



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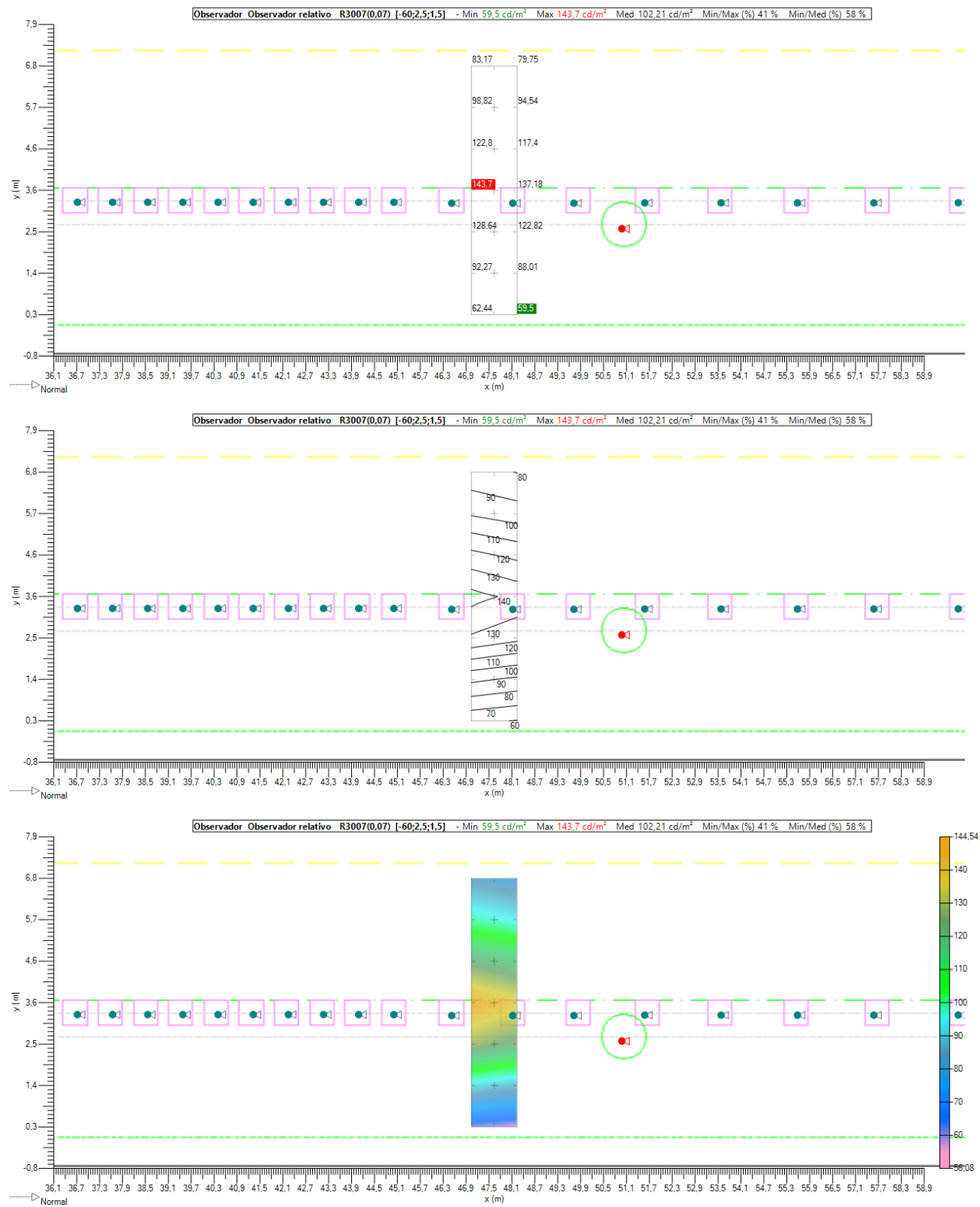


Sombreado

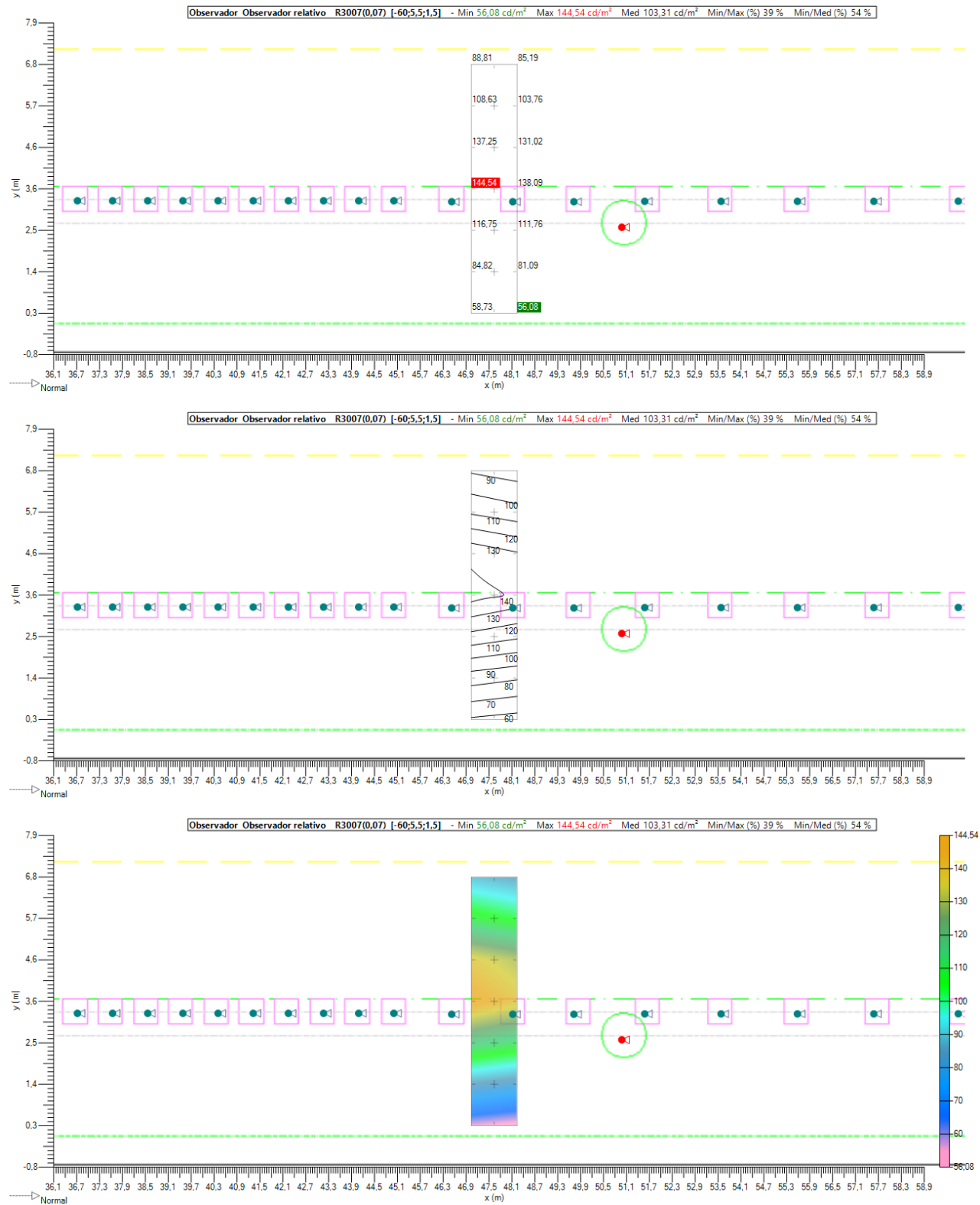


5.6. Luminância - Z. ENTRADA SUL.2 - R3007

Z. ENTRADA SUL.2 - Relative 1

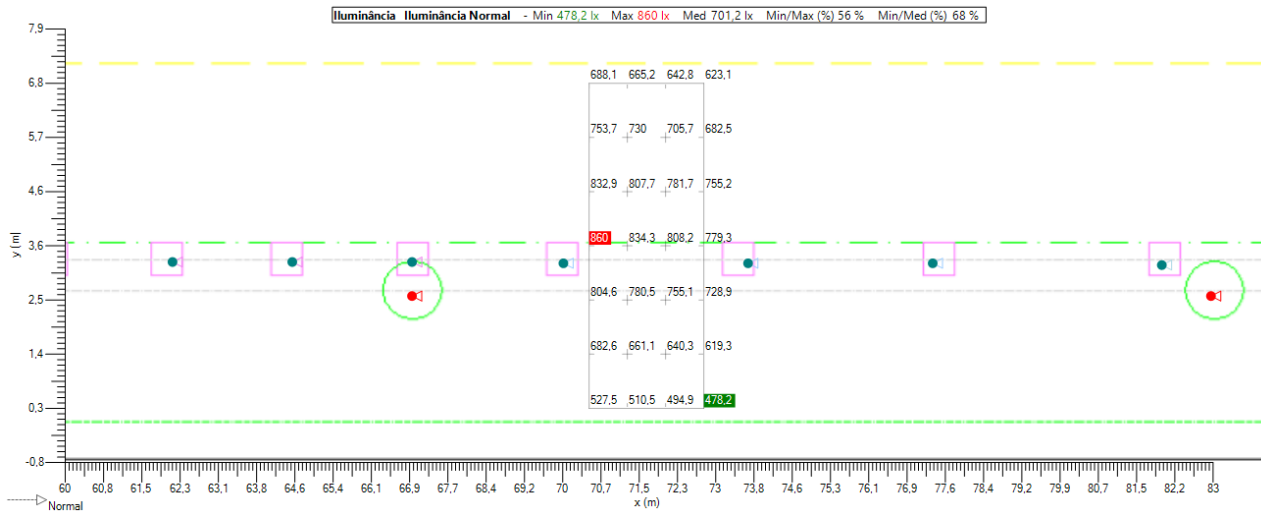


Z. ENTRADA SUL.2 - Relative 2

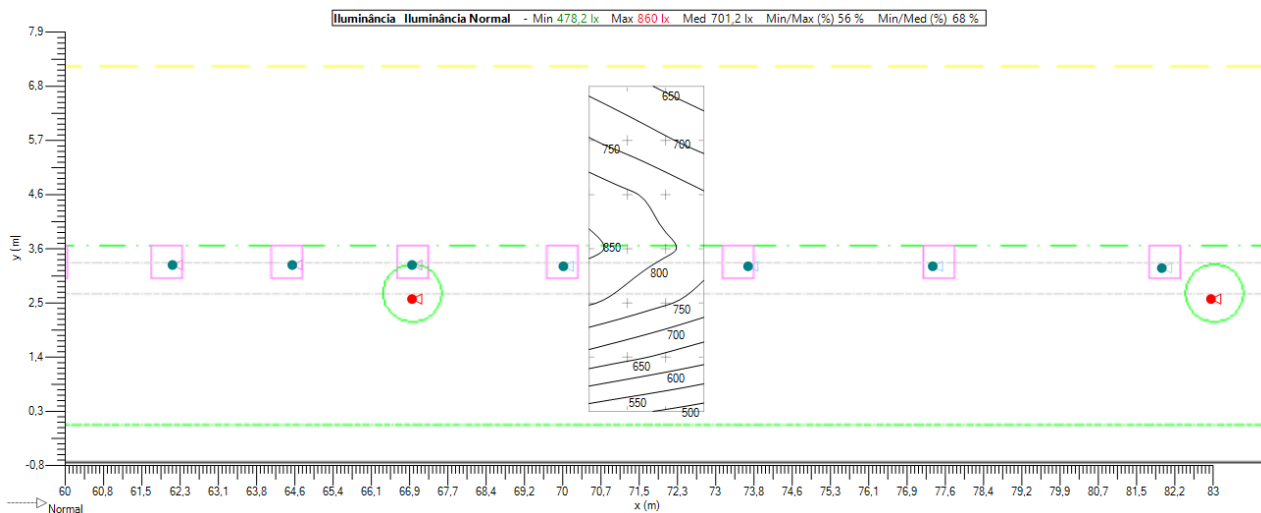


5.7. Z. TRANSIÇÃO SUL - 1 - Normal

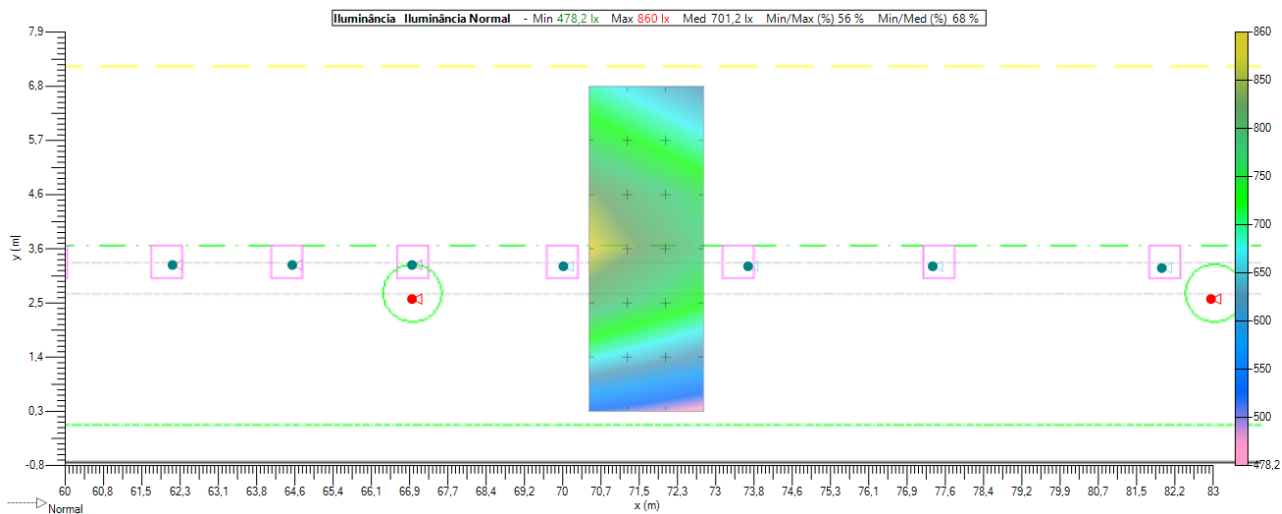
Resultados



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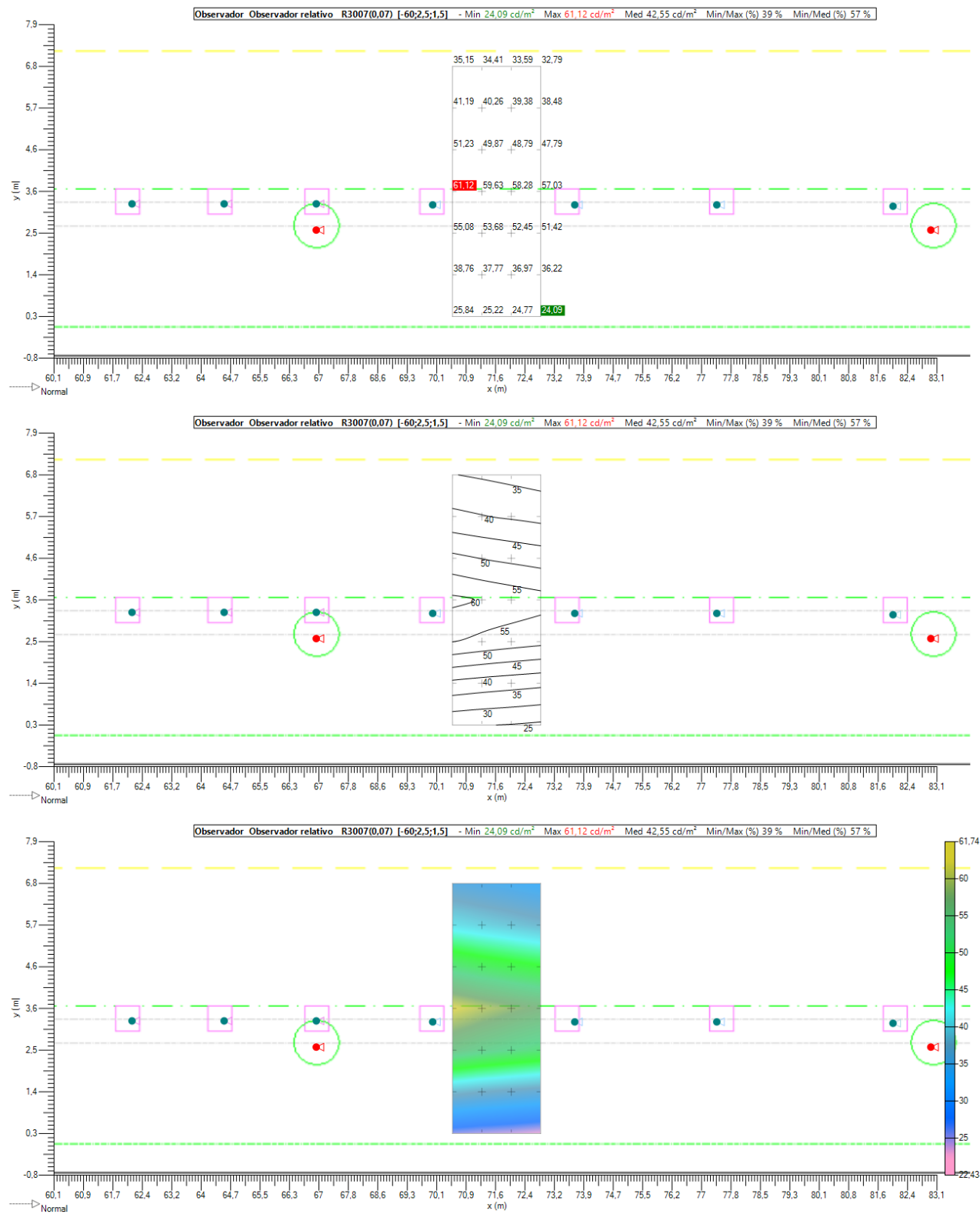


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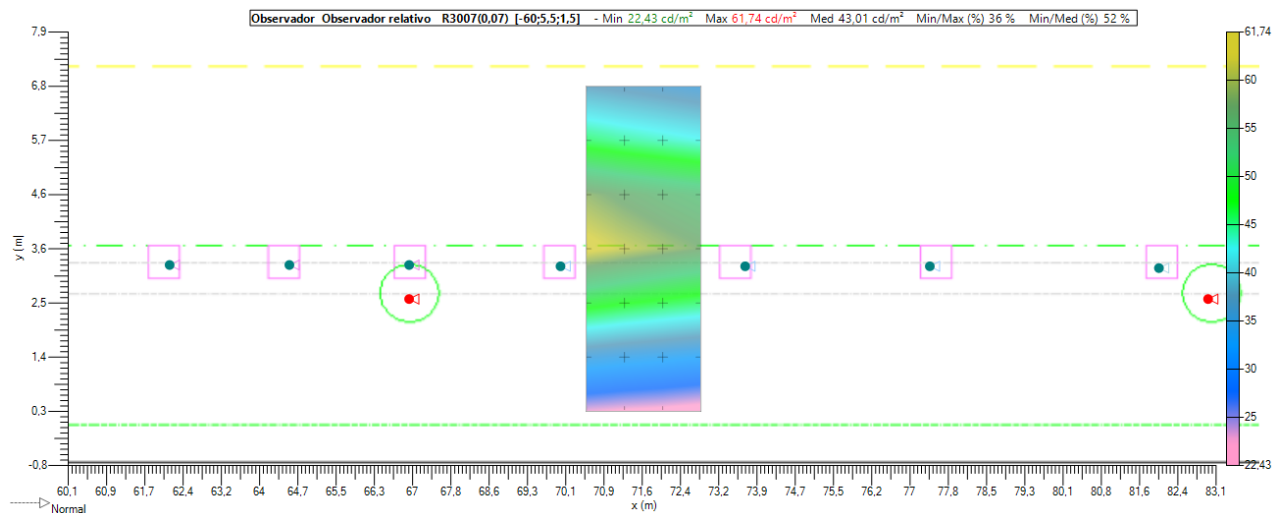
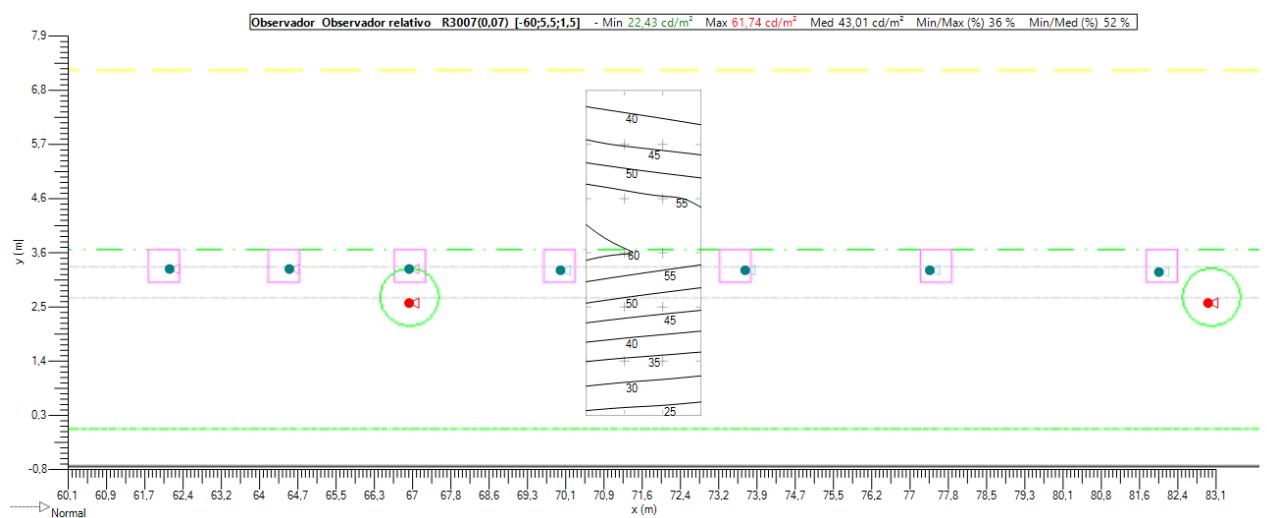
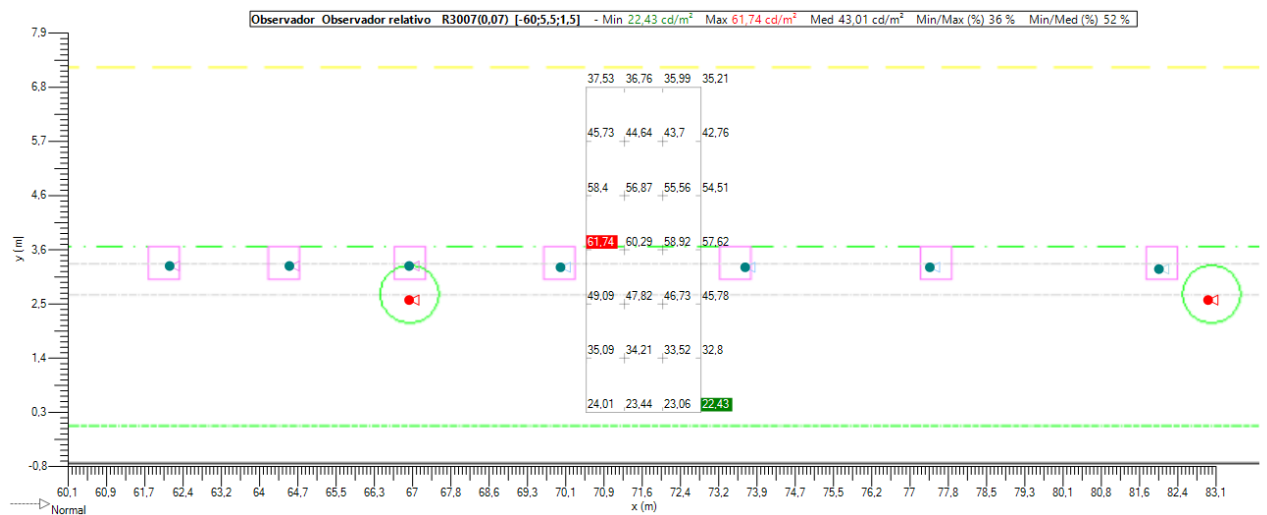


5.8. Luminância - Z. TRANSIÇÃO SUL - 1 - R3007

Z. TRANSIÇÃO SUL - 1 - Relative 1

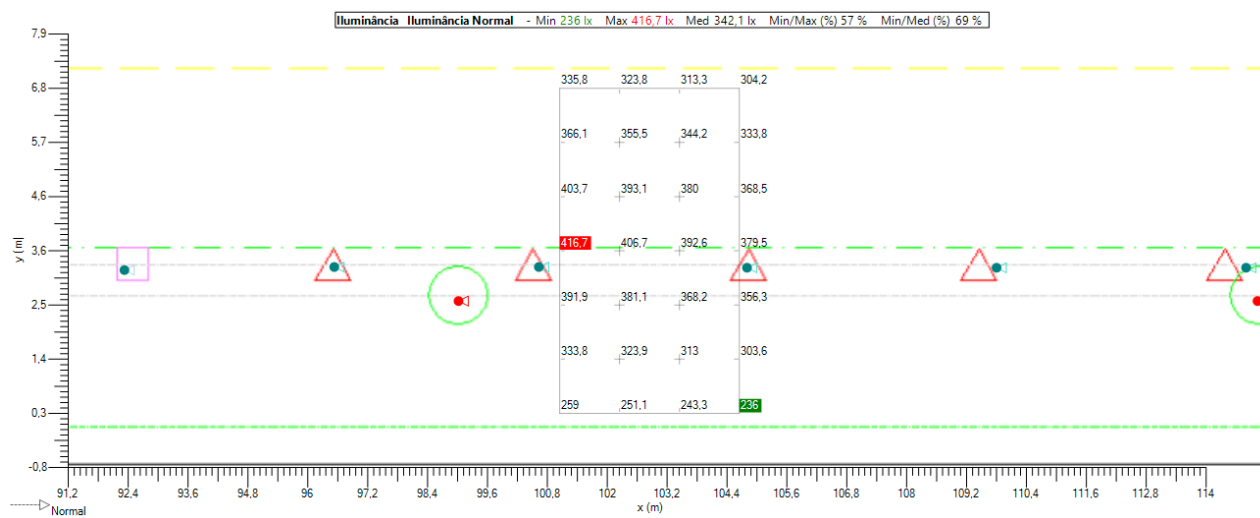


Z. TRANSIÇÃO SUL - 1 - Relative 2

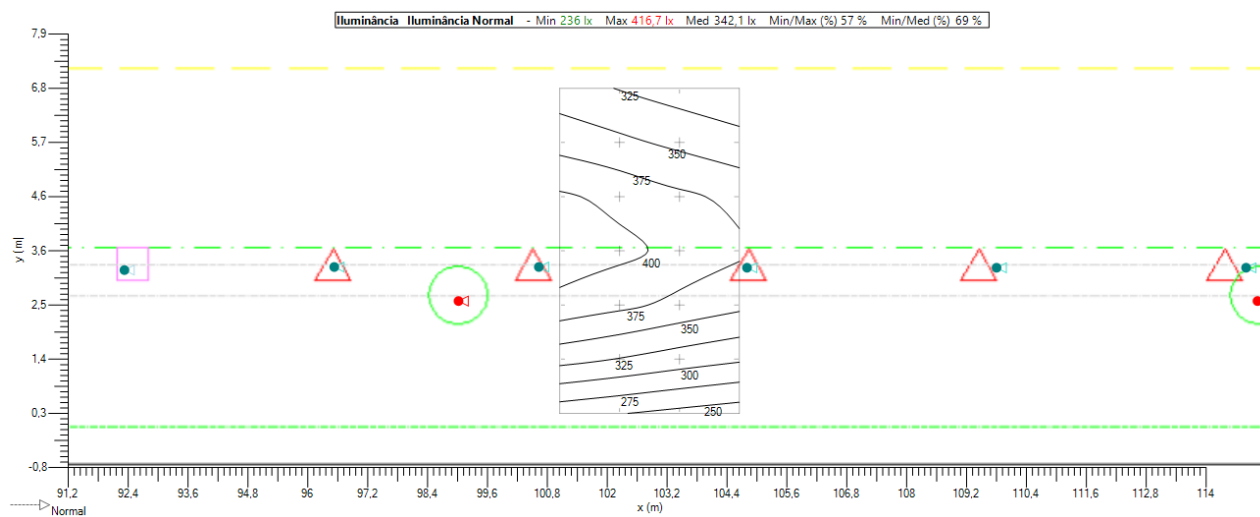


5.9. Z. TRANSIÇÃO SUL - 2 - Normal

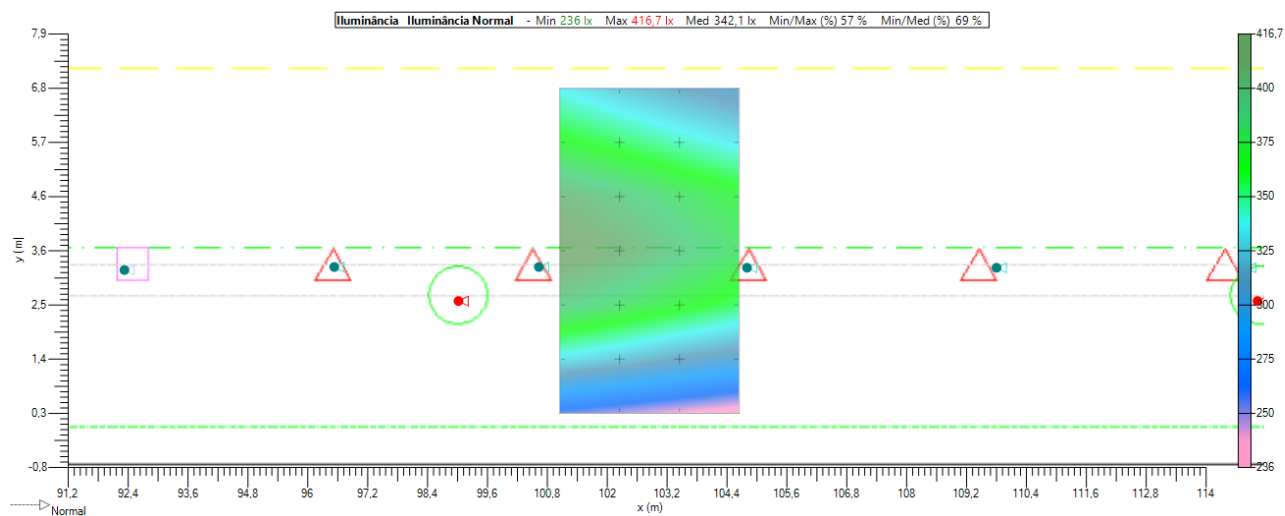
Resultados



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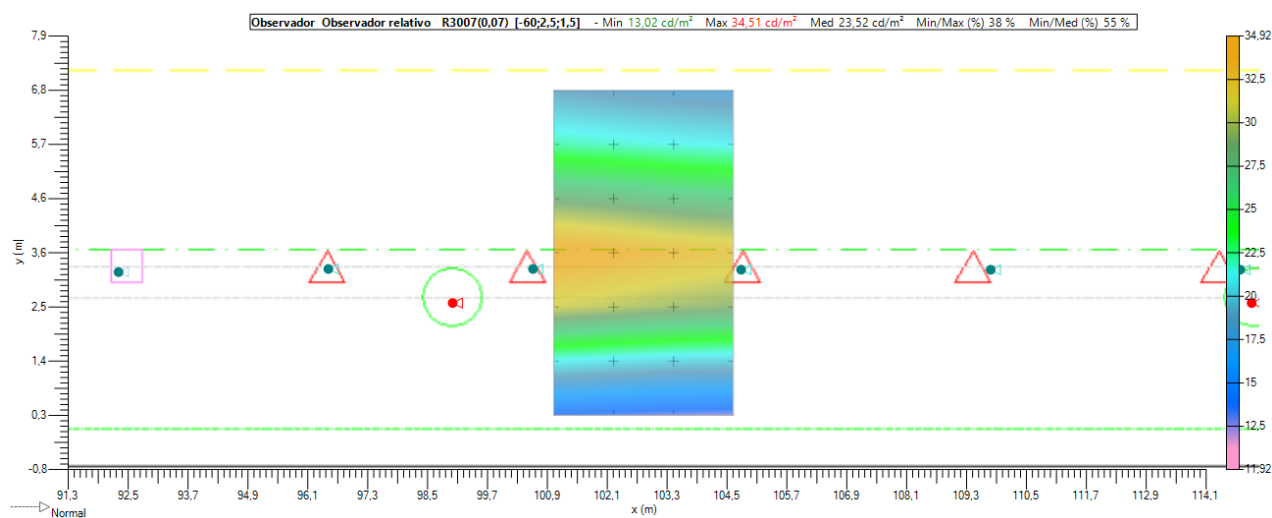
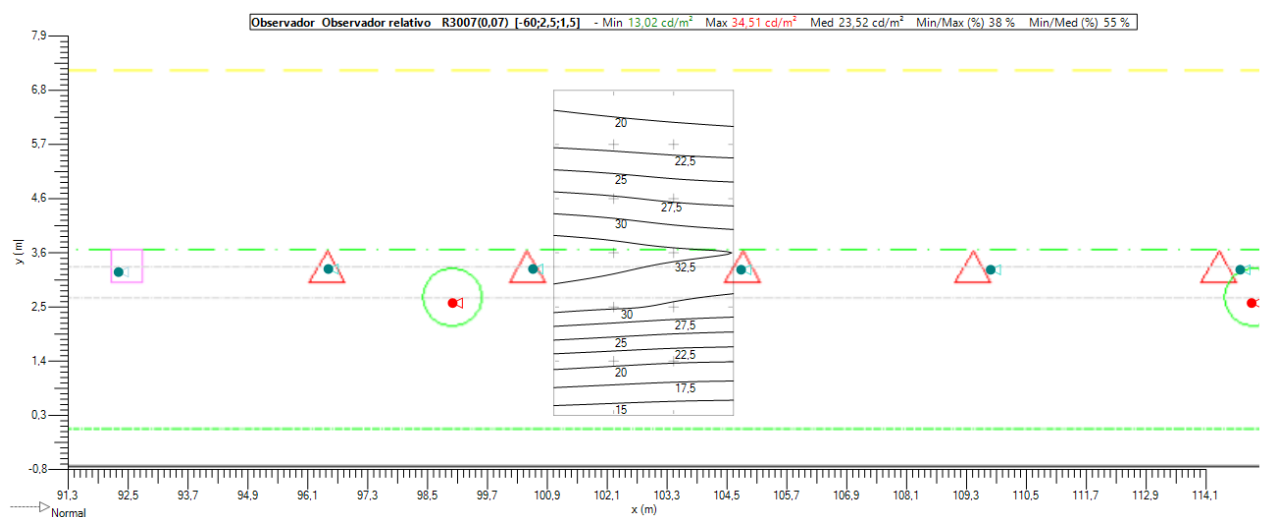
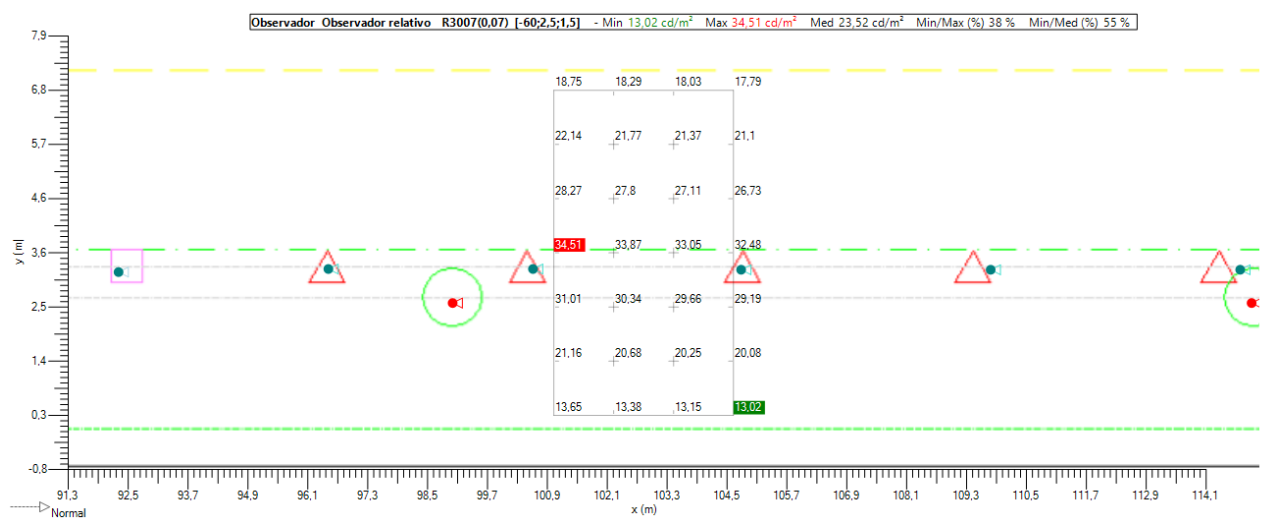


Sombreado

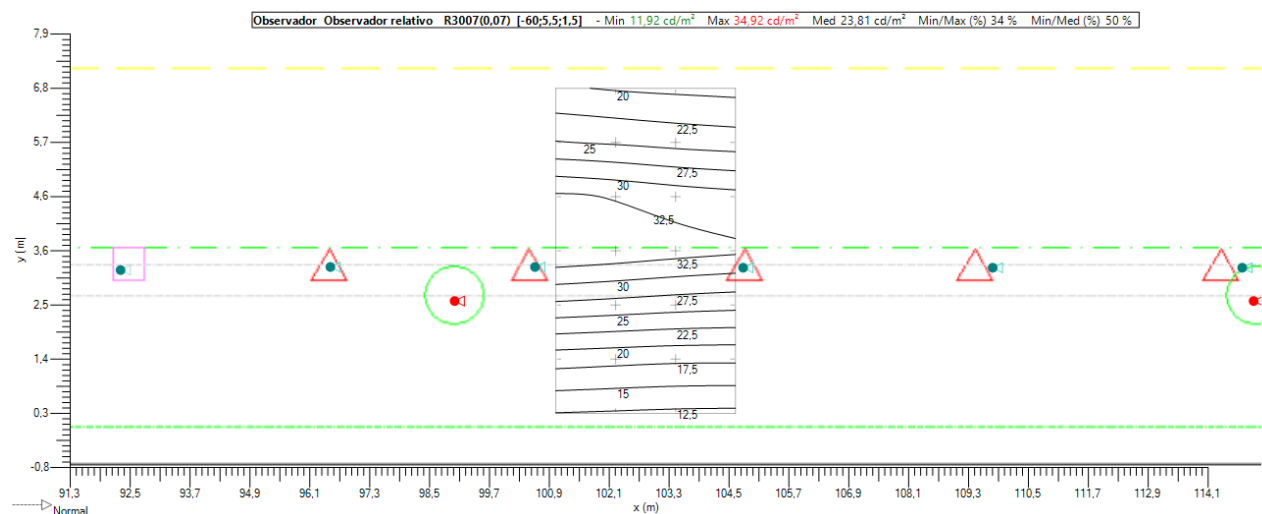
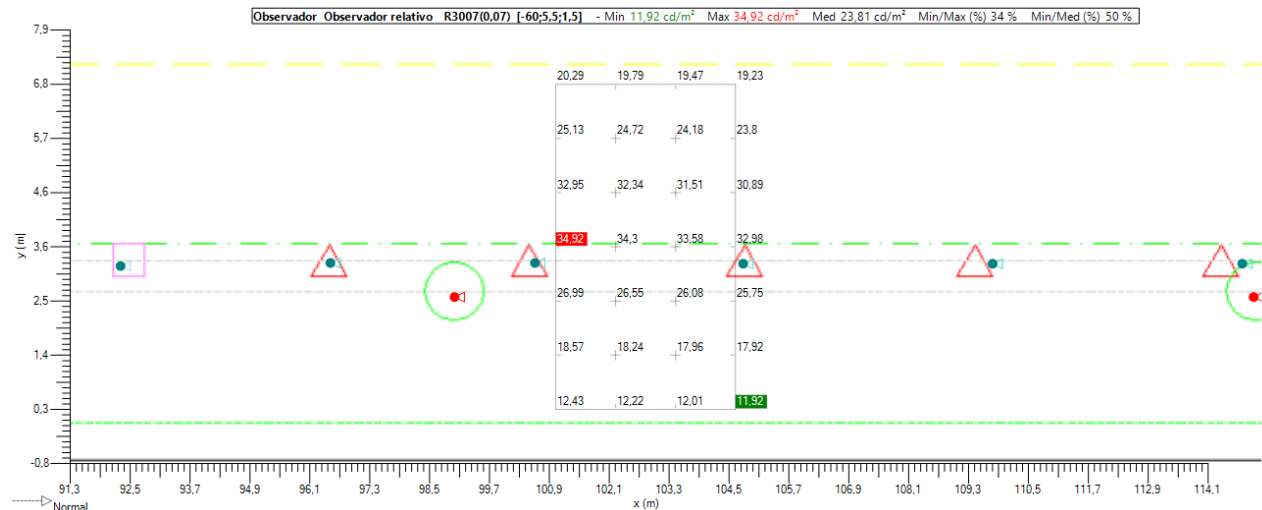


5.10. Luminância - Z. TRANSIÇÃO SUL - 2 - R3007

Z. TRANSIÇÃO SUL - 2 - Relative 1

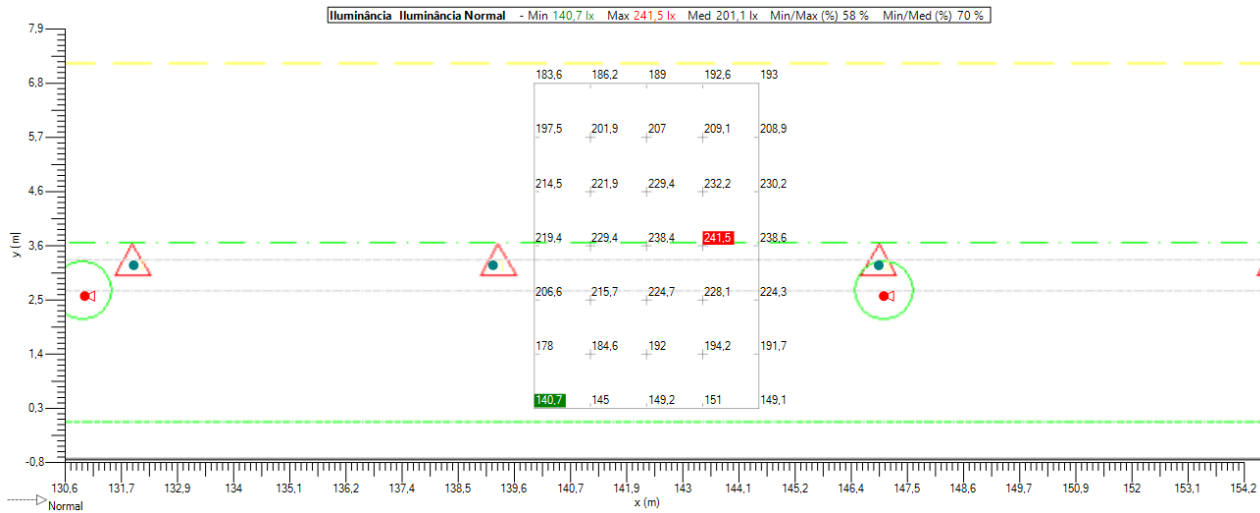


Z. TRANSIÇÃO SUL - 2 - Relative 2

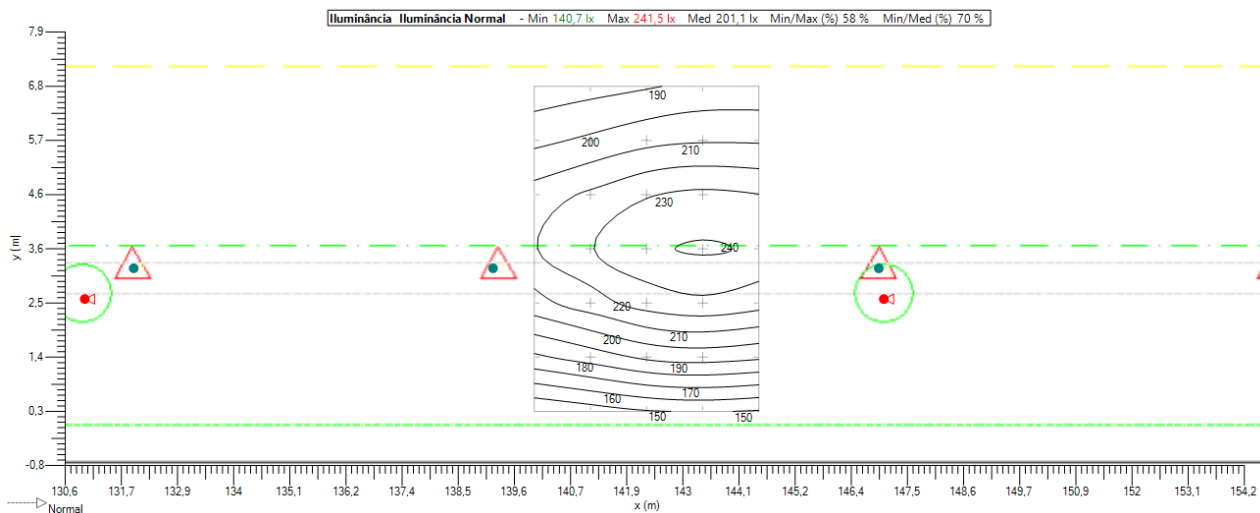


5.11. Z. TRANSIÇÃO SUL - 3 - Normal

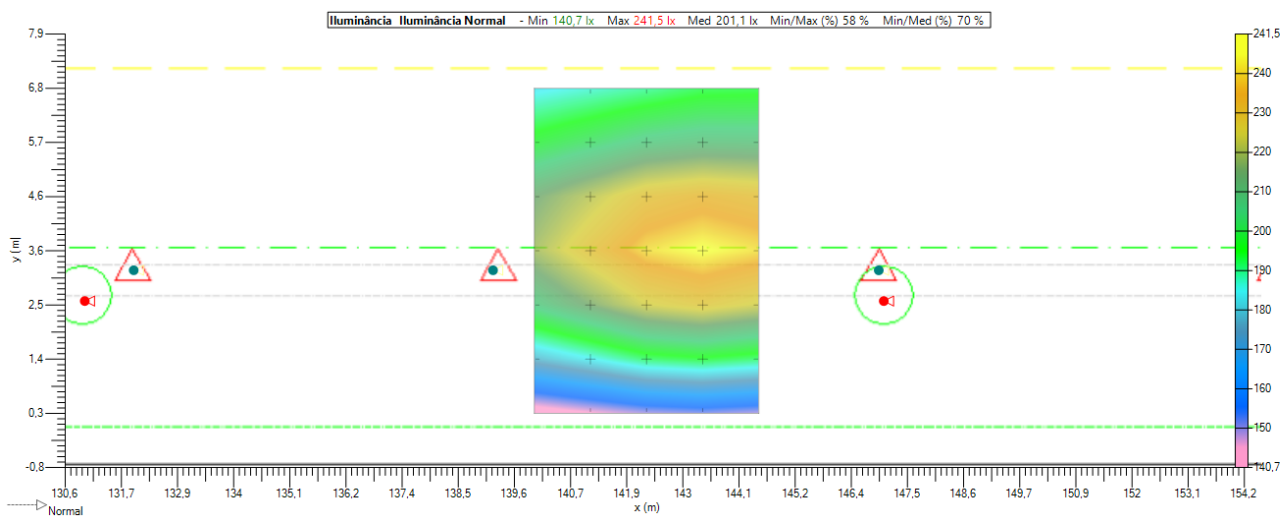
Resultados



Isolevel

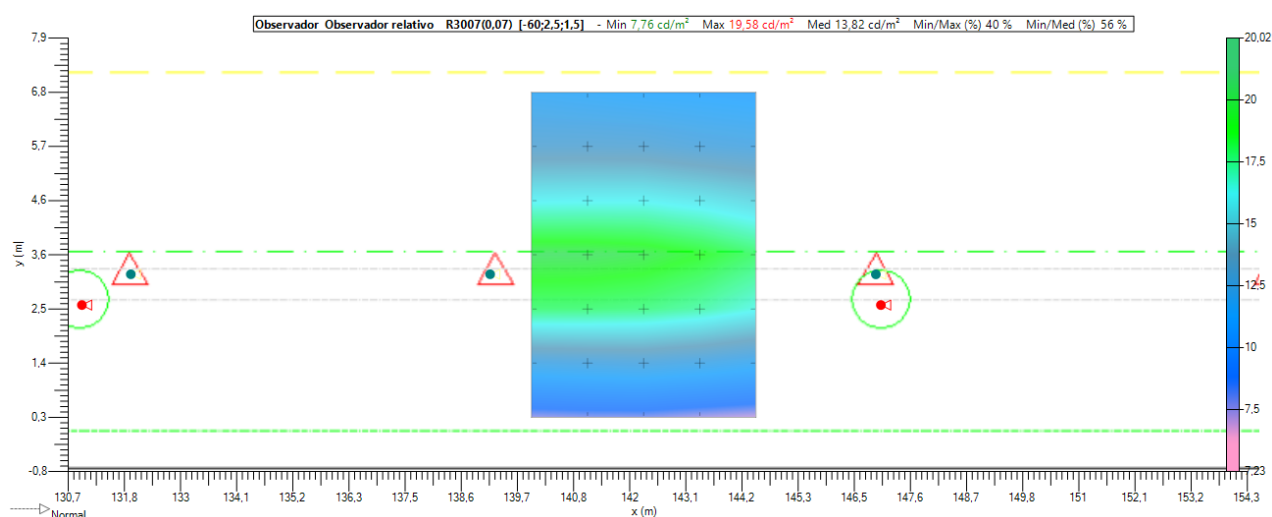
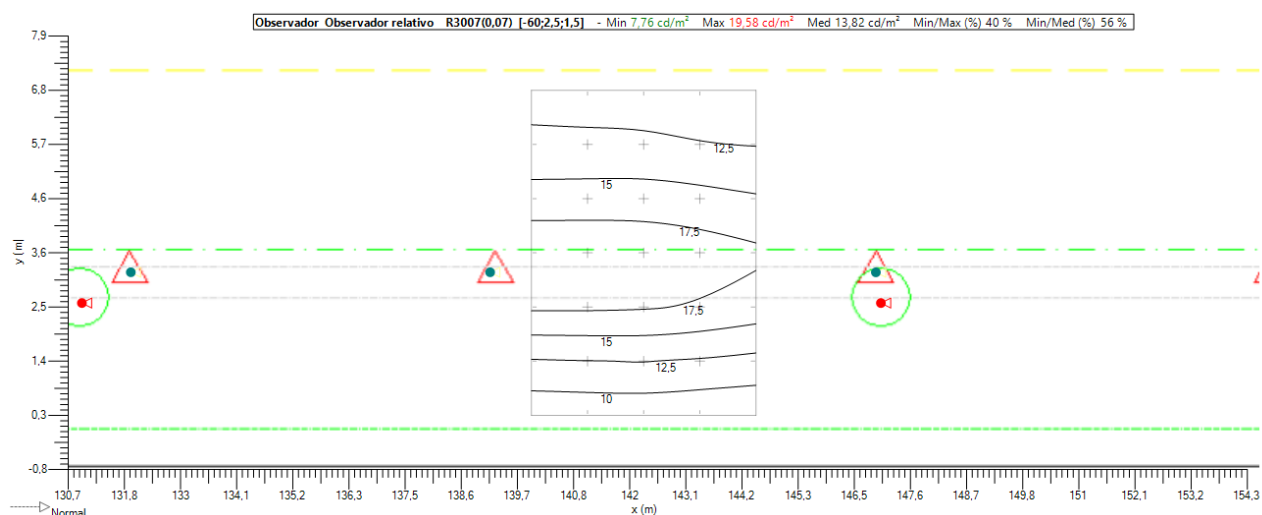


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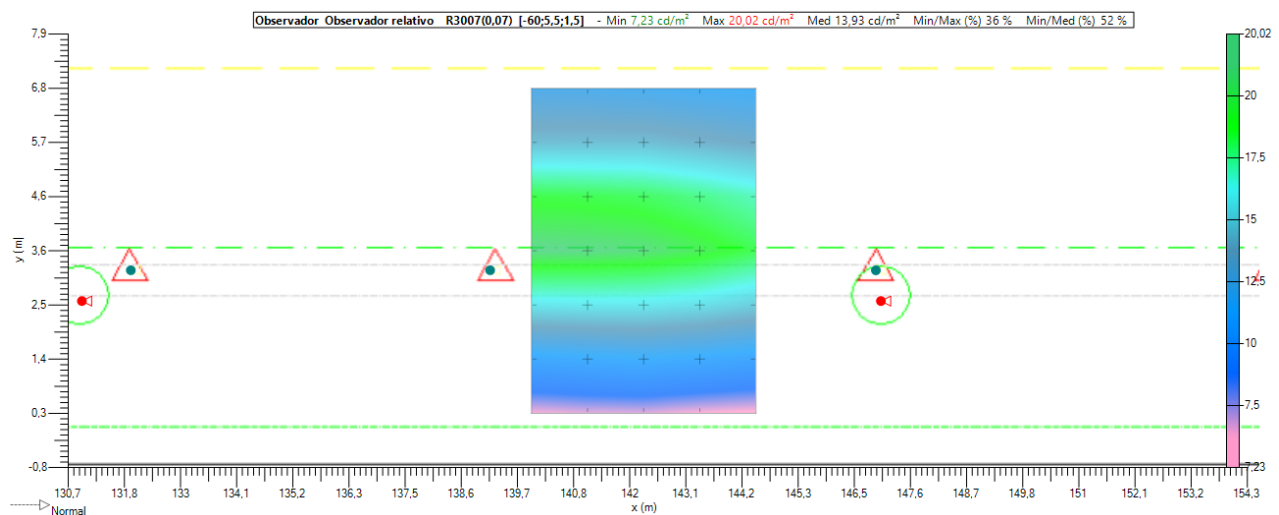
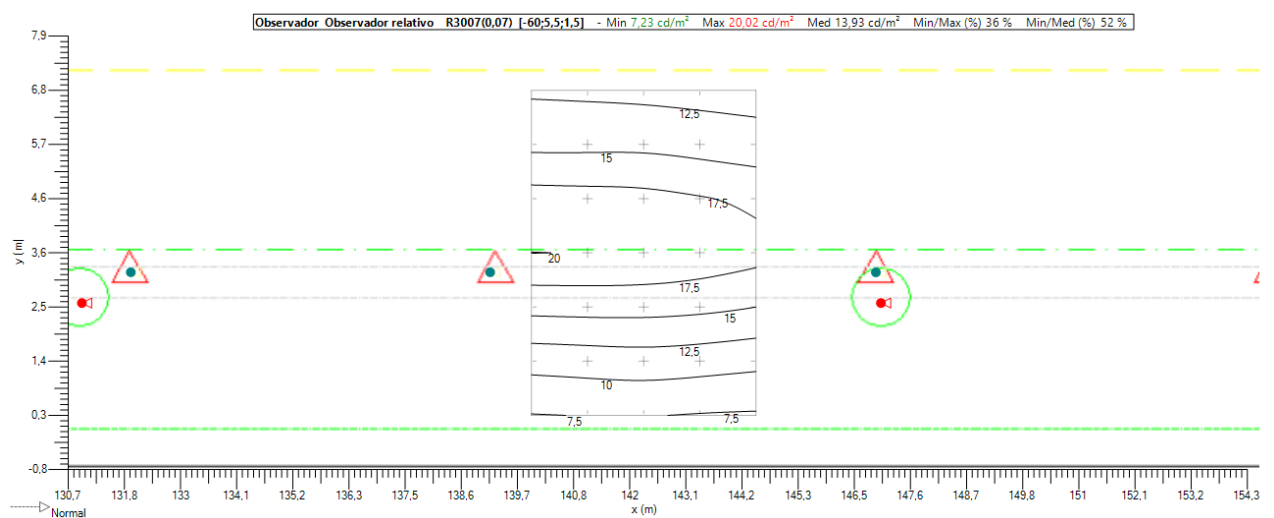


5.12. Luminância - Z. TRANSIÇÃO SUL - 3 - R3007

Z. TRANSIÇÃO SUL - 3 - Relative 1

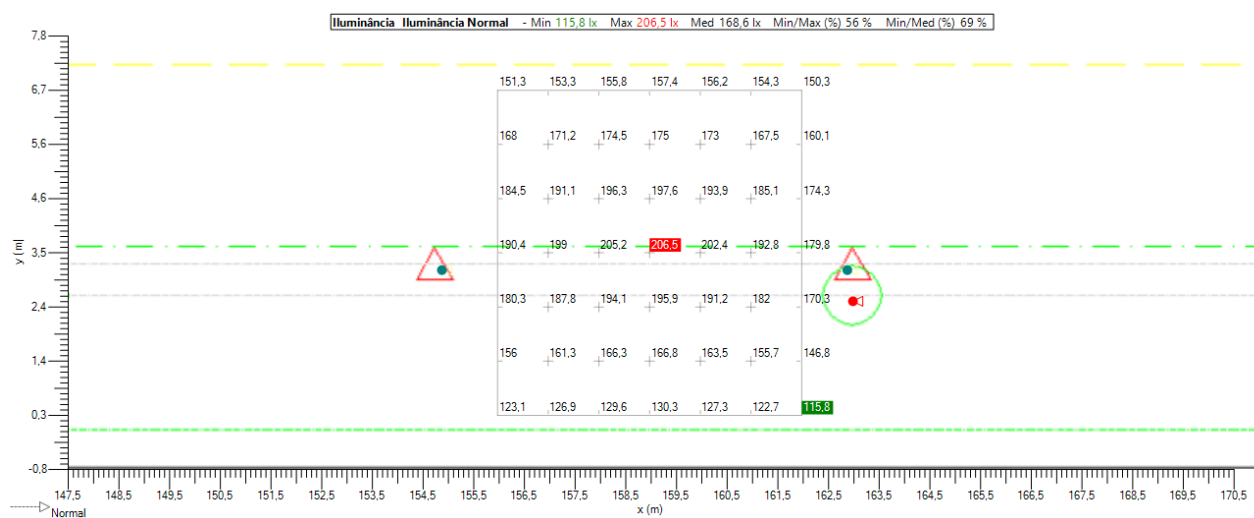


Z. TRANSIÇÃO SUL - 3 - Relative 2

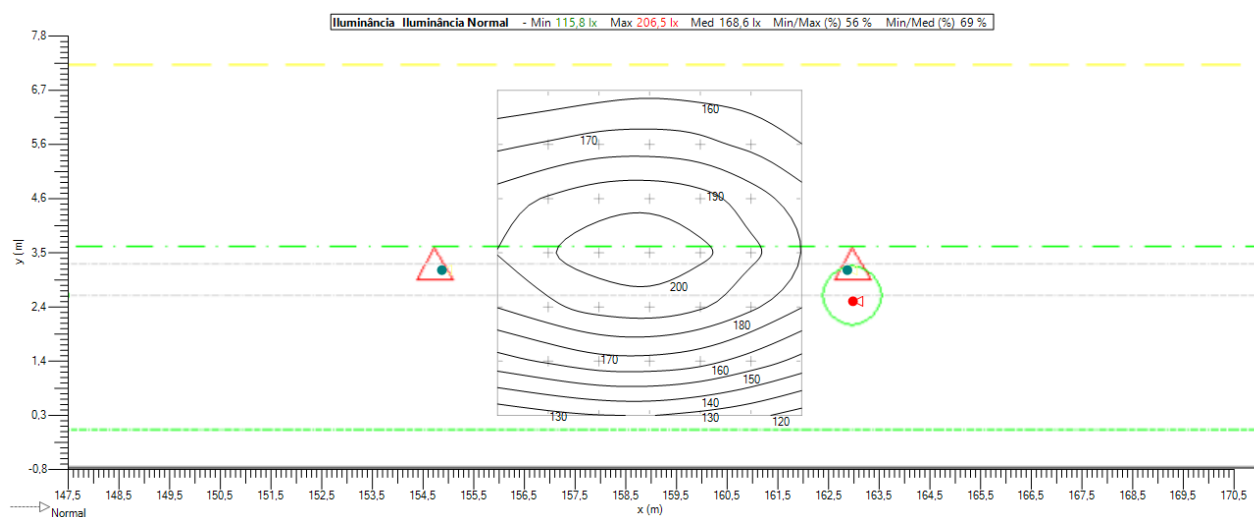


5.13. Z. TRANSIÇÃO SUL.4.... - Normal

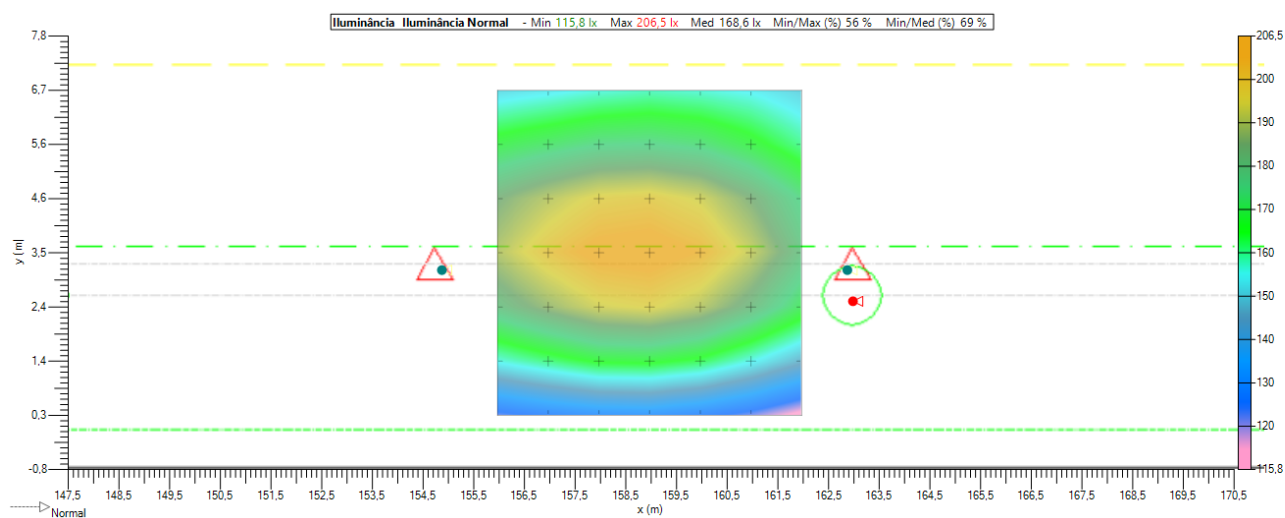
Resultados



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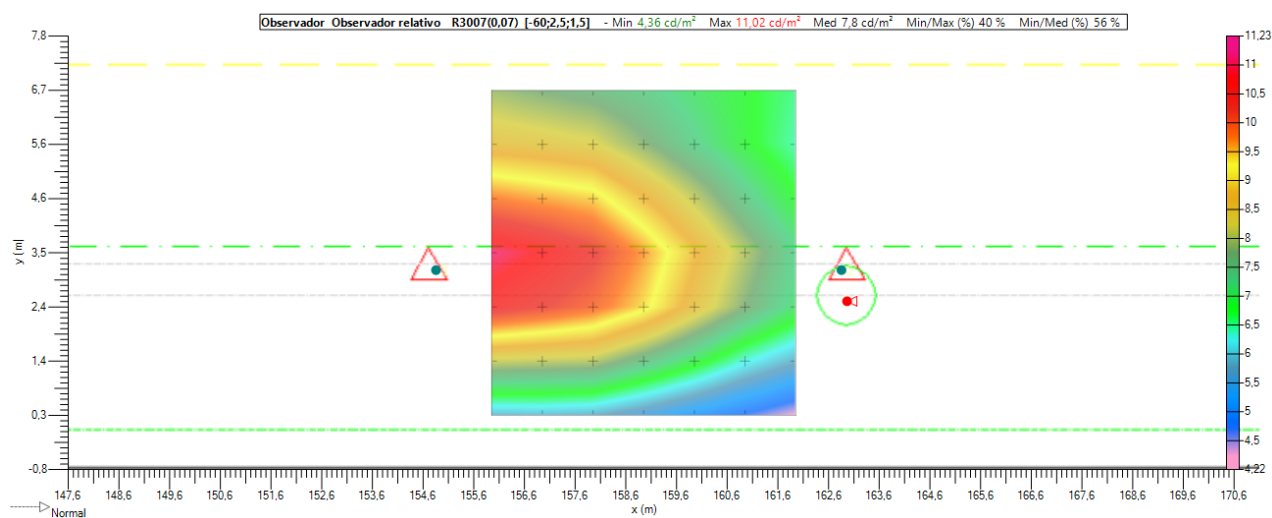
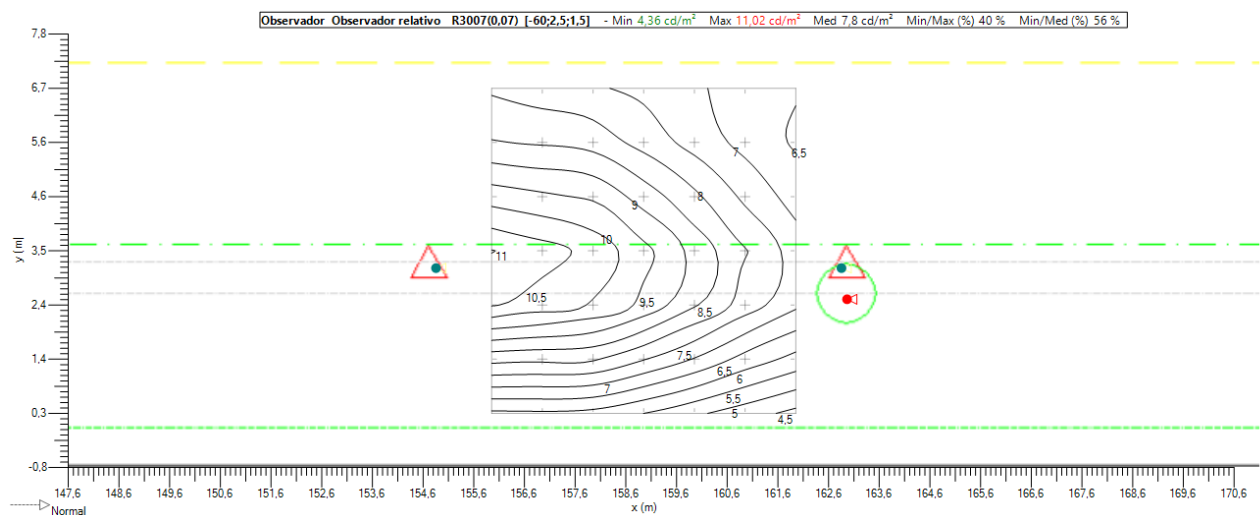
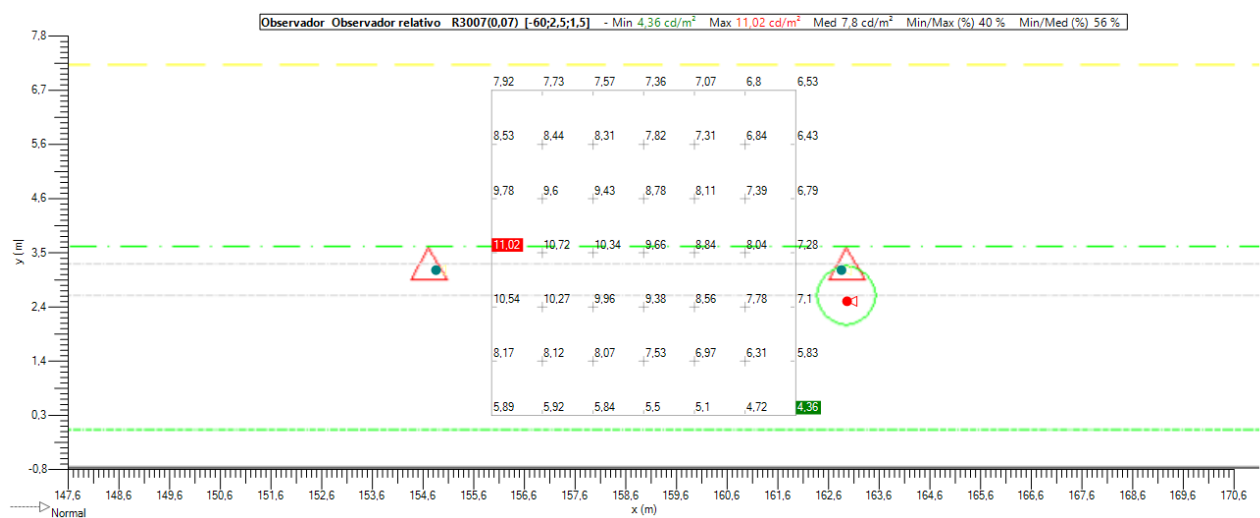


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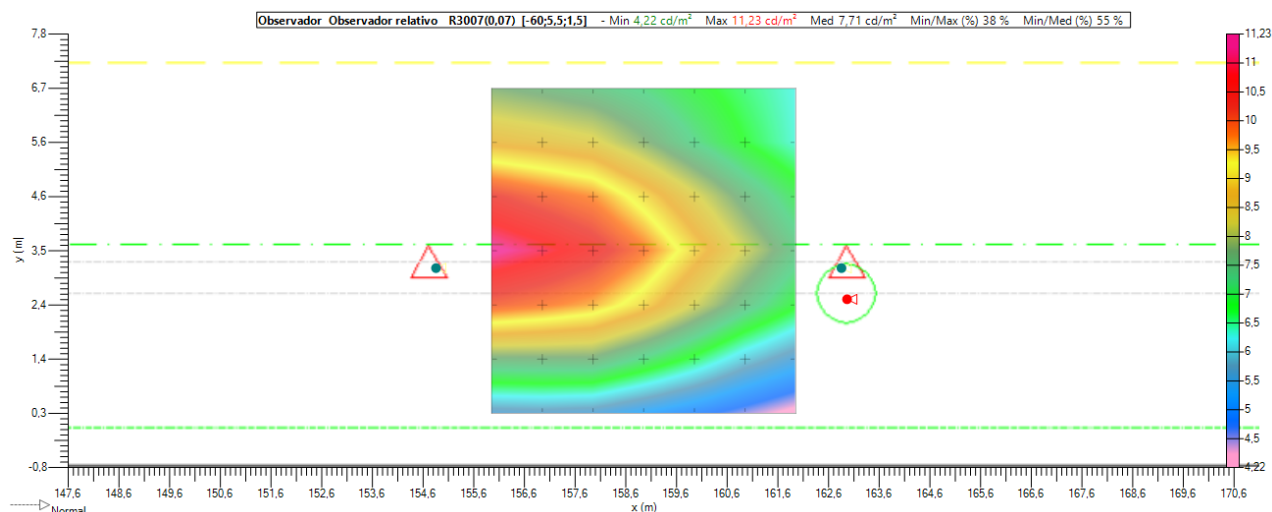
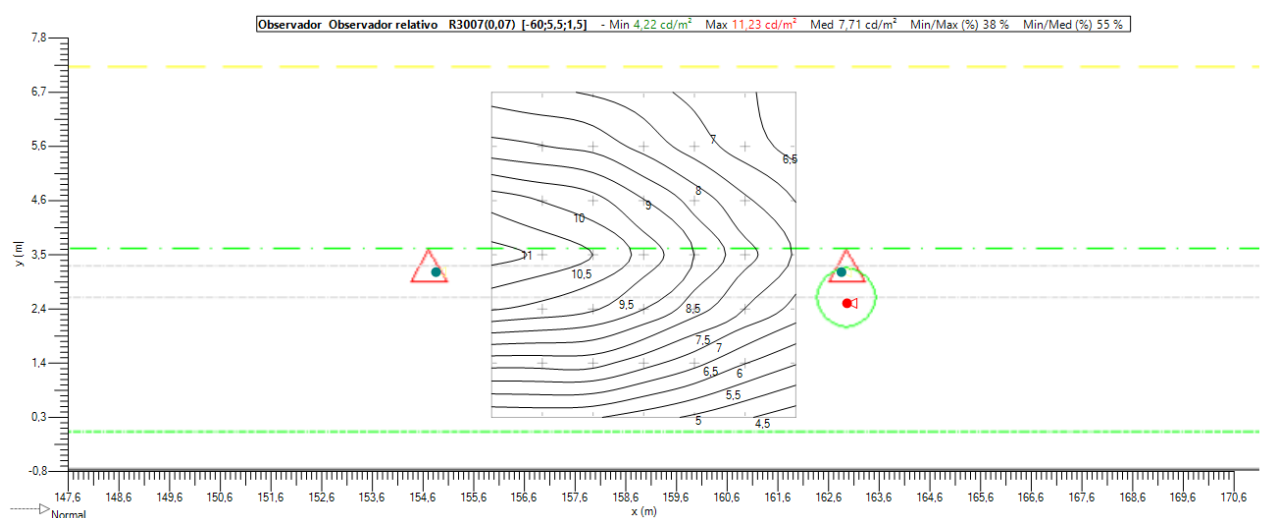
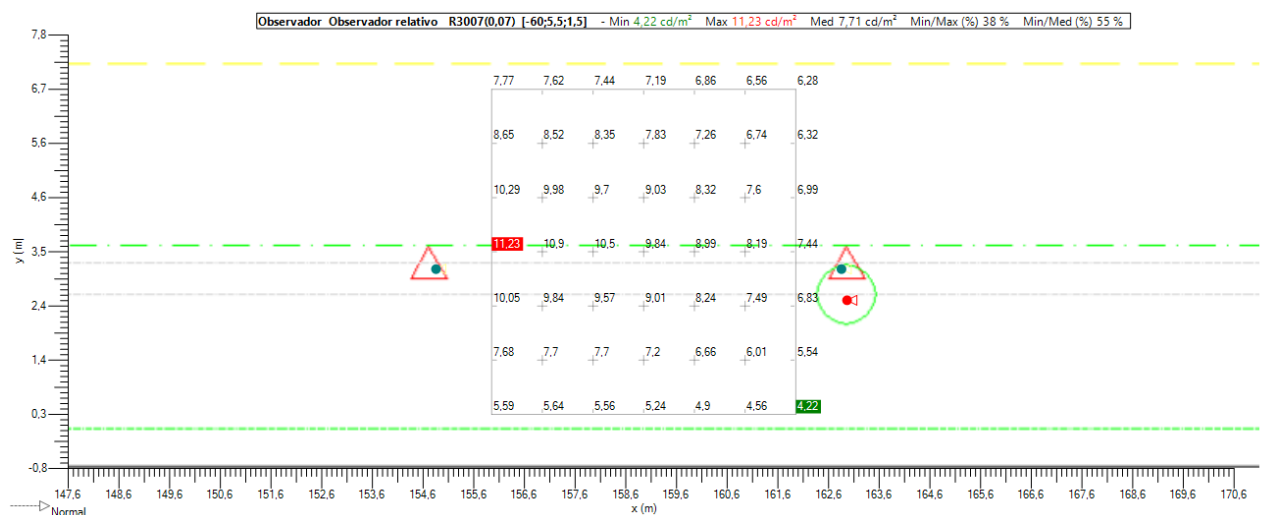


5.14. Luminância - Z. TRANSIÇÃO SUL.4.... - R3007

Z. TRANSIÇÃO SUL.4.... - Relative 1

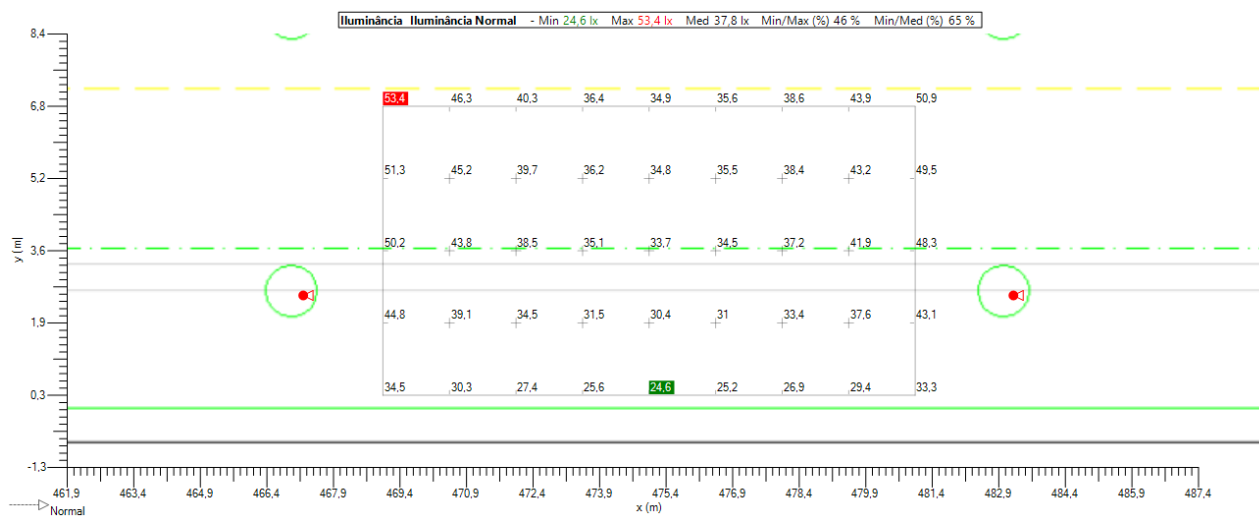


Z. TRANSIÇÃO SUL.4.... - Relative 2

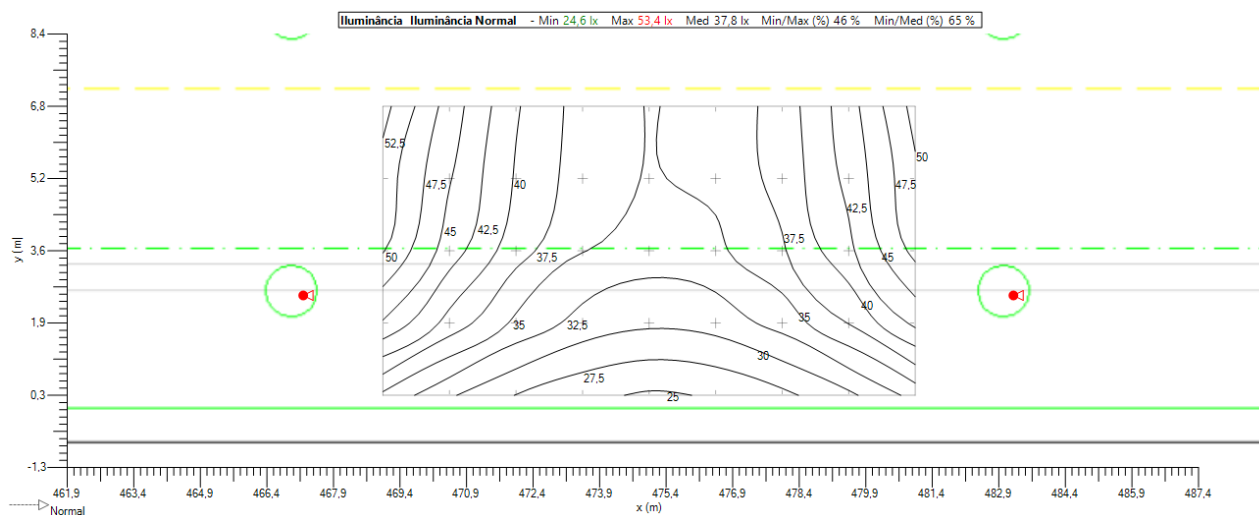


5.15. Z. INTERIOR - Normal

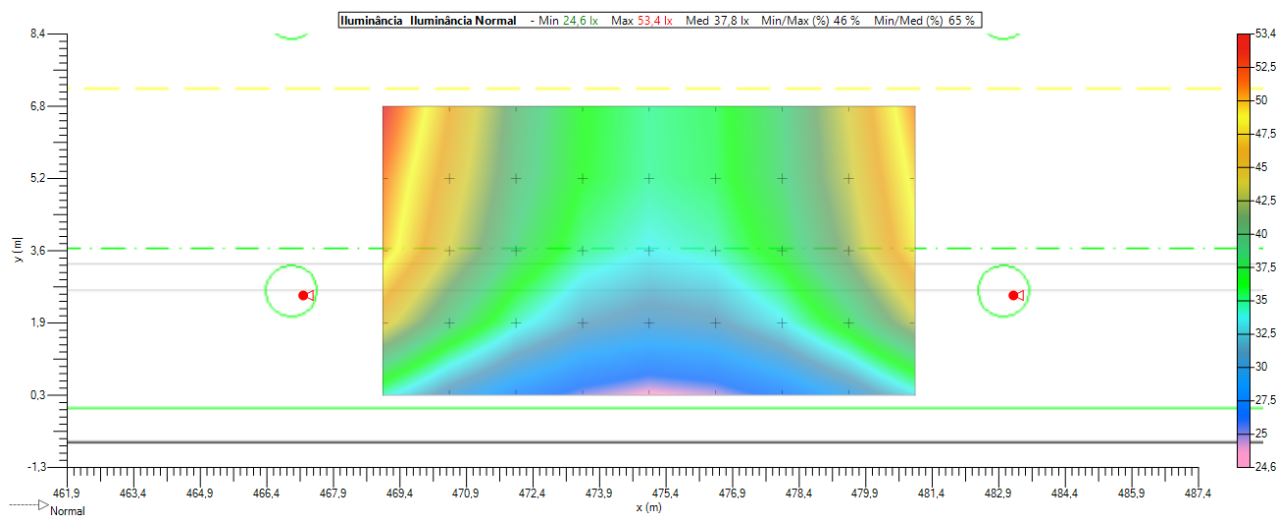
Resultados



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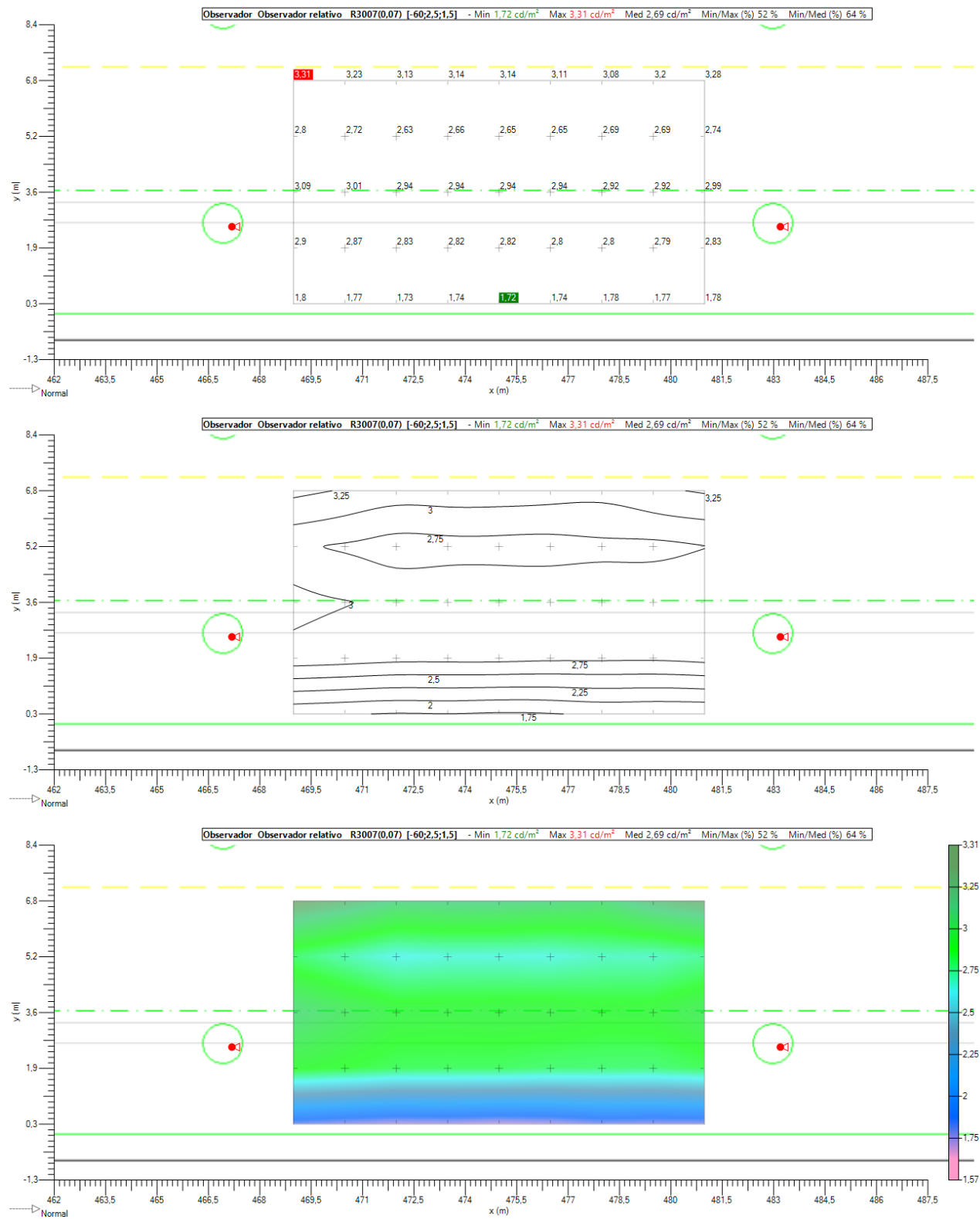


Sombreado

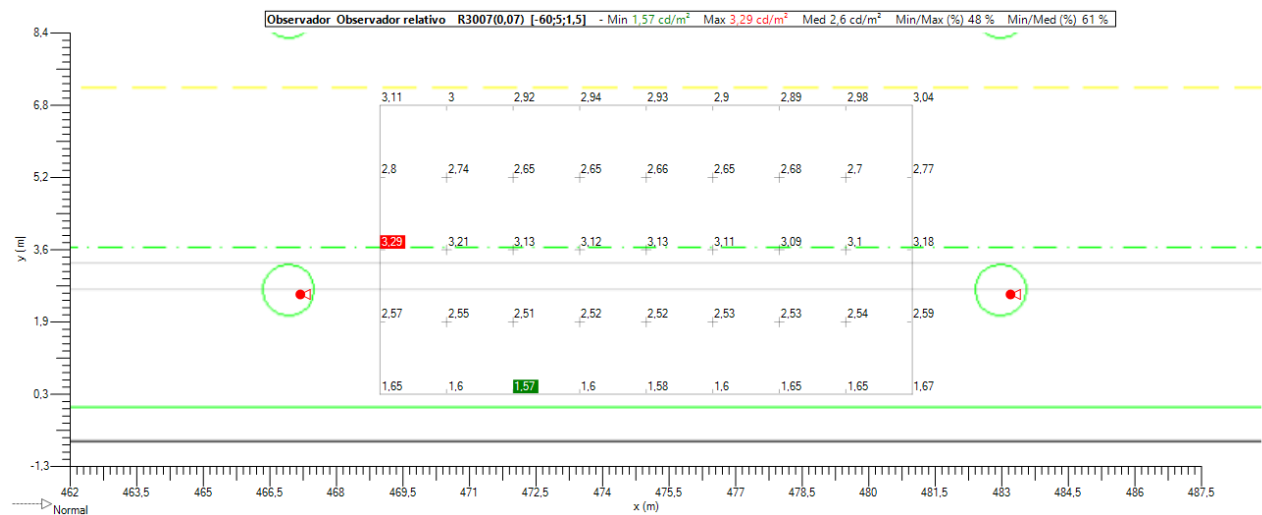


5.16. Luminância - Z. INTERIOR - R3007

Z. INTERIOR - Relative 1



Z. INTERIOR - Relative 2



5.17. Z. TRANSIÇÃO NORTE - 4 - Normal

Resultados

Isolevel

Sombreado

5.18. Z. TRANSIÇÃO NORTE - 4 - Luminance RTable - Relative 1

Resultados

Isolevel

Sombreado

5.19. Z. TRANSIÇÃO NORTE - 3 - Normal

Resultados

Isolevel

Sombreado

5.20. Z. TRANSIÇÃO NORTE - 3 - Luminance RTable - Relative 1

Resultados

Isolevel

Sombreado

5.21. Z. TRANSIÇÃO NORTE - 2 - Normal

Resultados

Isolevel

Sombreado

5.22. Z. TRANSIÇÃO NORTE - 2 - Luminance RTable - Relative 1

Resultados

Isolevel

Sombreado

5.23. Z. TRANSIÇÃO NORTE - 1 - Normal

Resultados

Isolevel

Sombreado

5.24. Z. TRANSIÇÃO NORTE - 1 - Luminance RTable - Relative 1

Resultados

Isolevel

Sombreado

5.25. Z. ENTRADA NORTE_2 - Normal

Resultados

Isolevel

Sombreado

5.26. Z. ENTRADA NORTE_2 - Luminance RTable - Relative 1

Resultados

Isolevel

Sombreado

5.27. Z. ENTRADA NORTE_1 - Normal

Resultados

Isolevel

Sombreado

5.28. Z. ENTRADA NORTE_1 - Luminance RTable - Relative 1

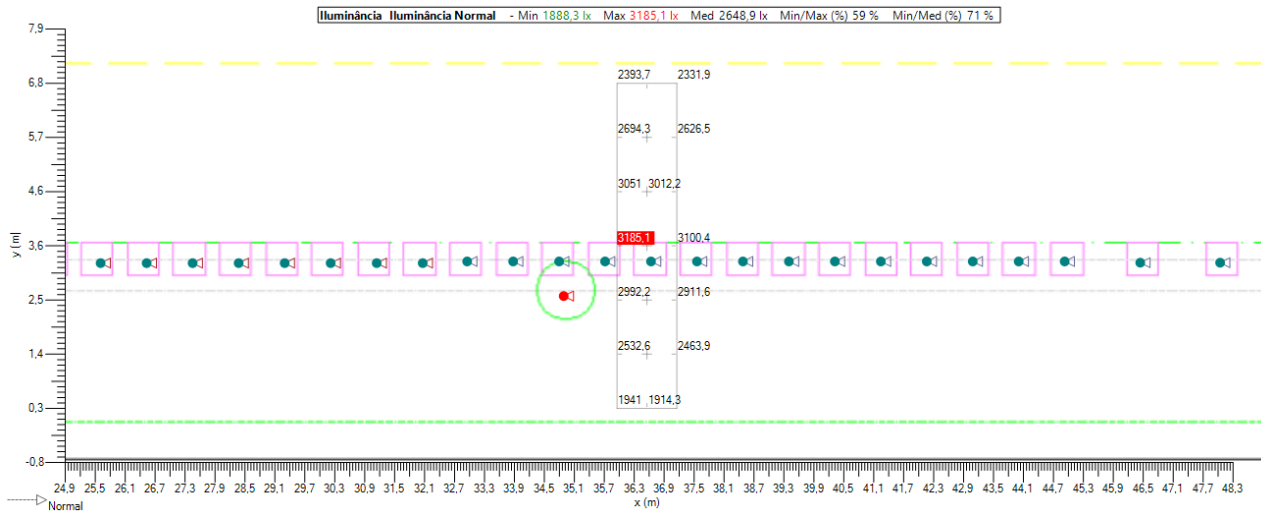
Resultados

Isolevel

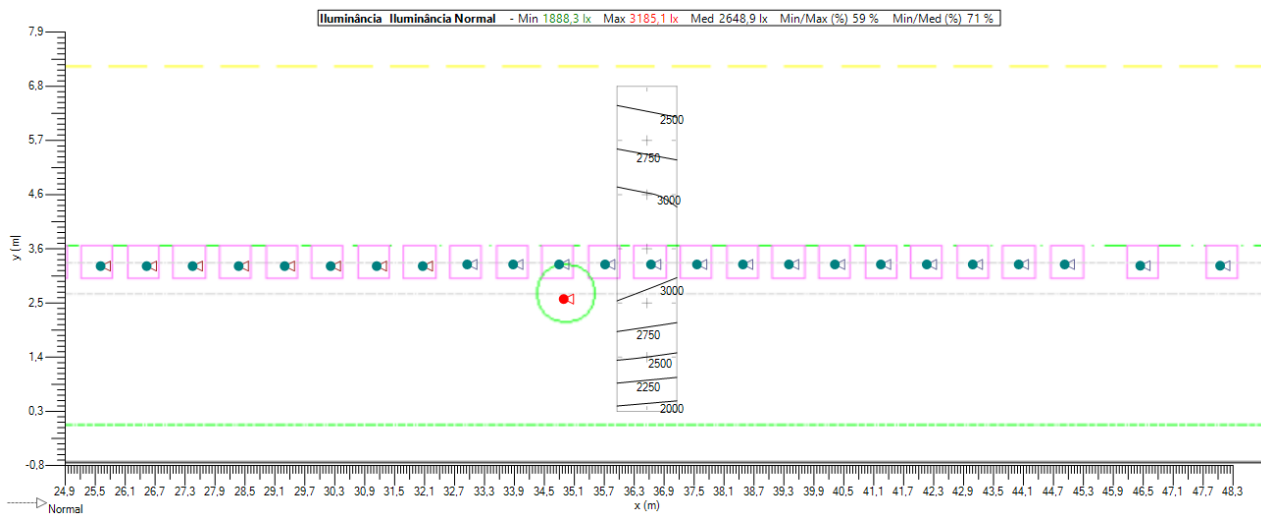
Sombreado

5.29. Z. ENTRADA SUL.1-2 - Normal

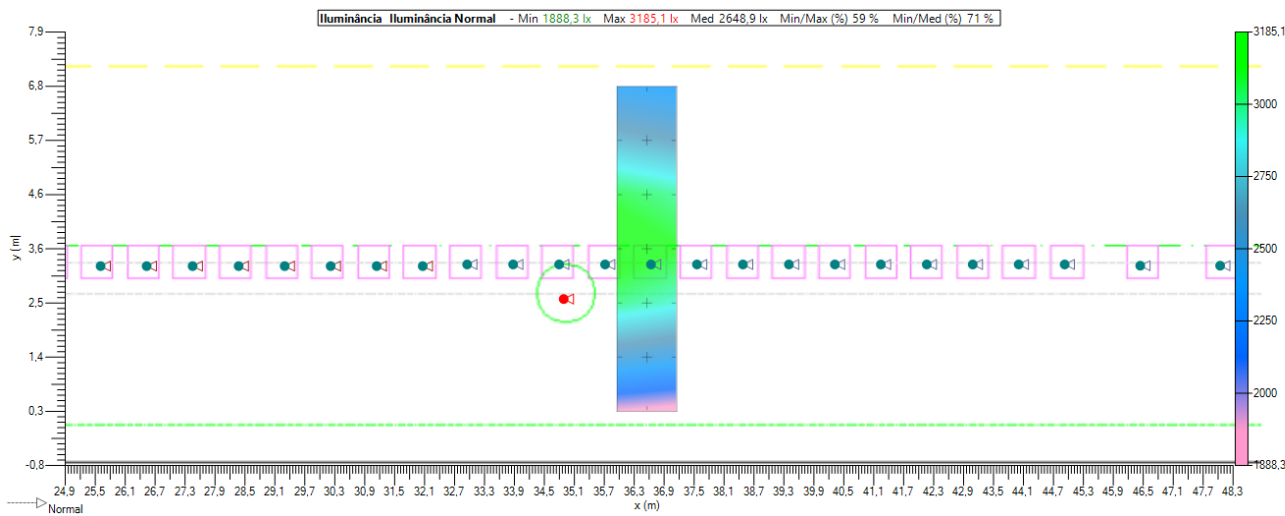
Resultados



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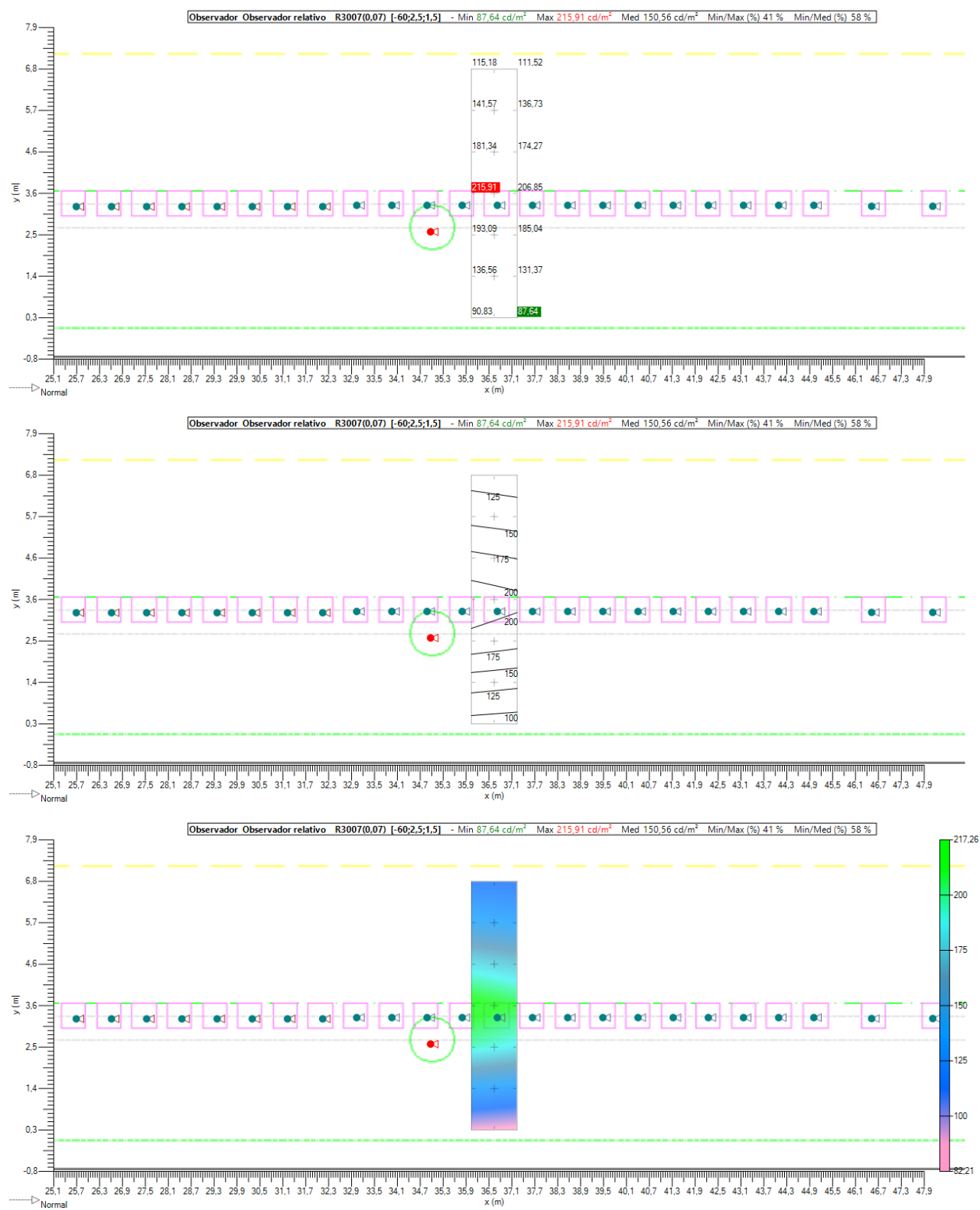


Sombreado

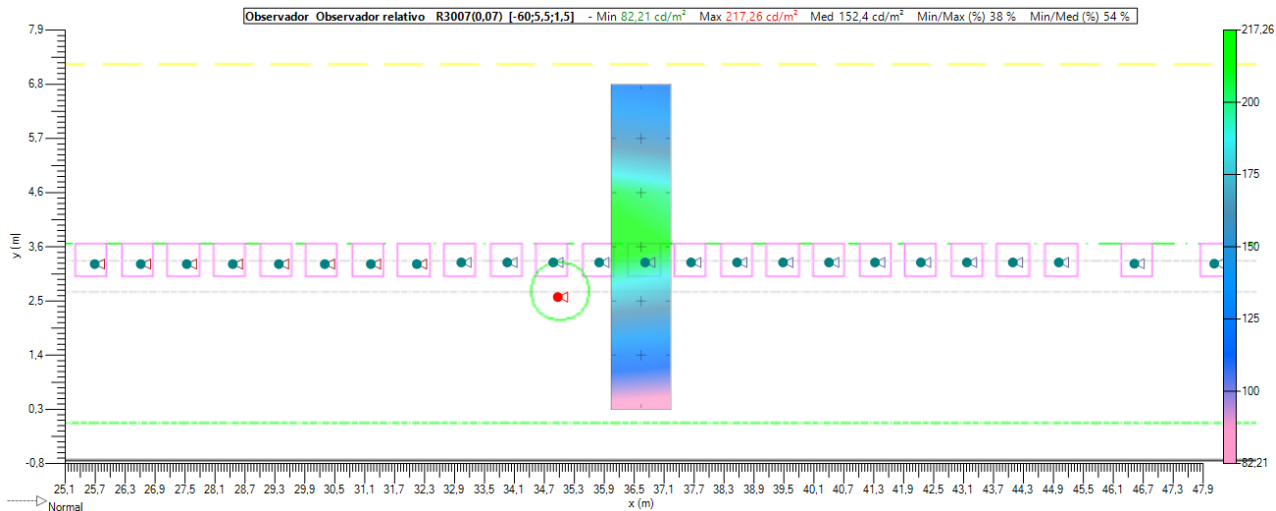
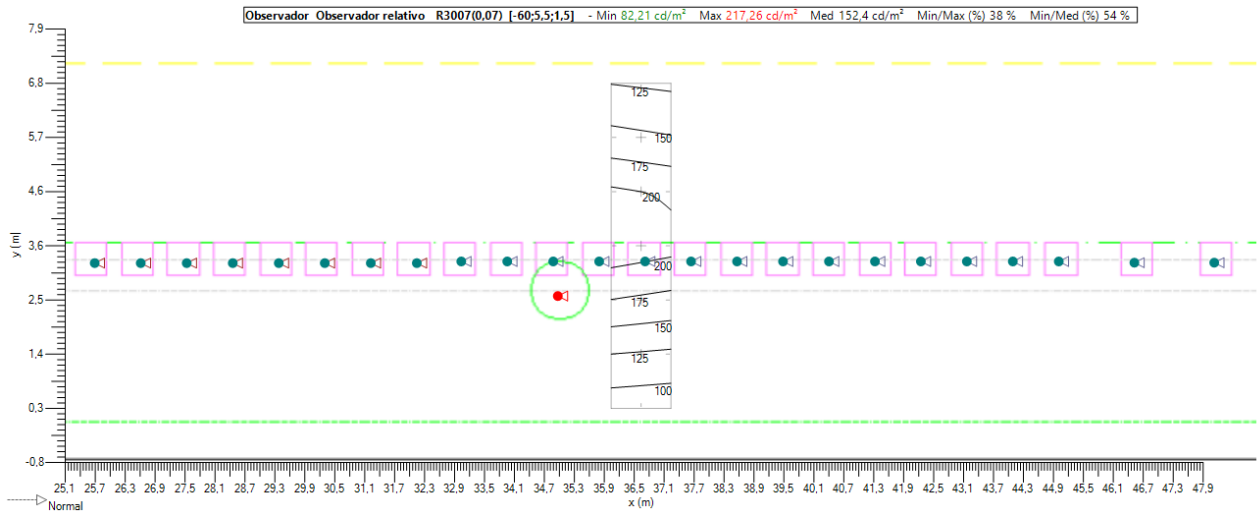
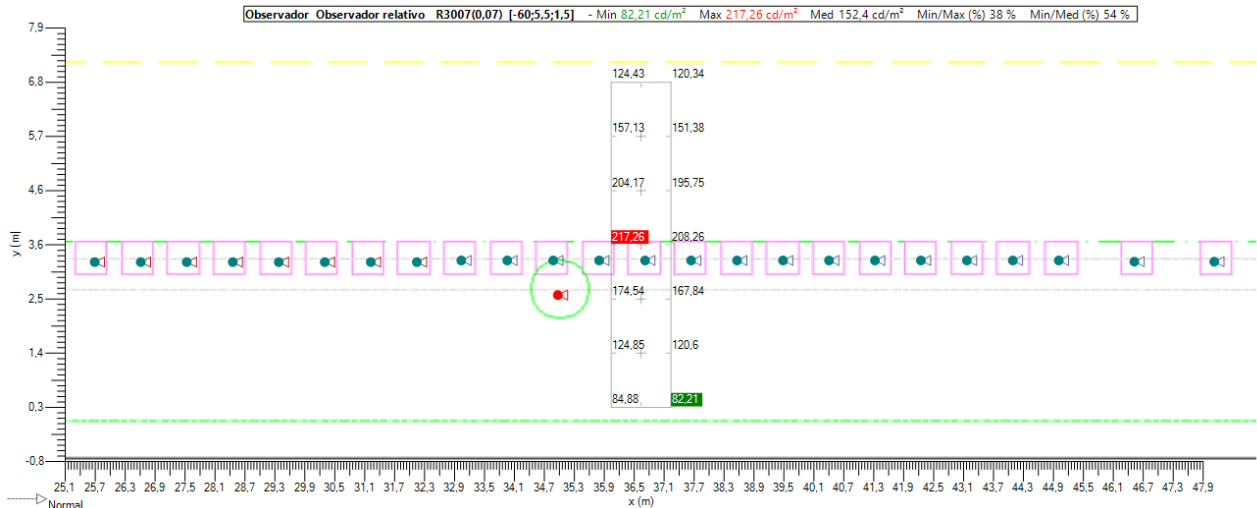


5.30. Luminância - Z. ENTRADA SUL.1-2 - R3007

Z. ENTRADA SUL.1-2 - Relative 1

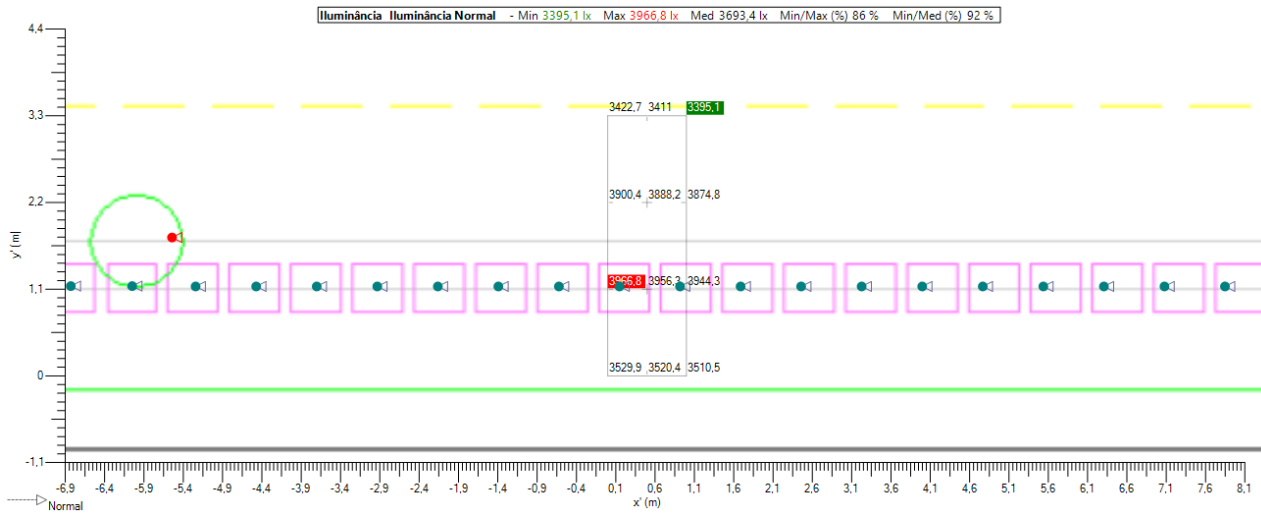


Z. ENTRADA SUL.1-2 - Relative 2

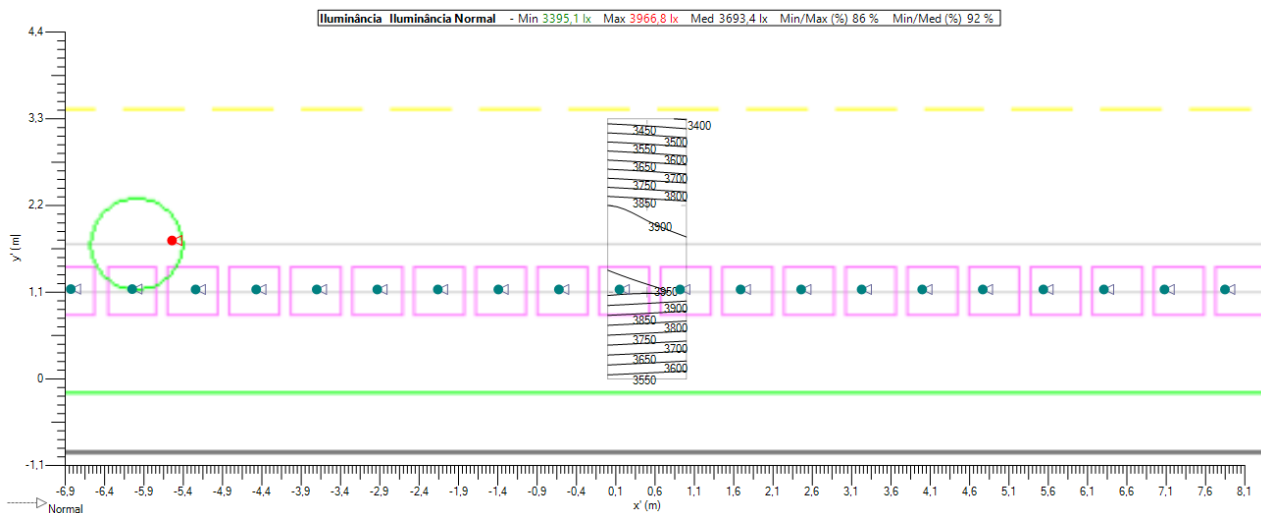


5.31. Z. ENTRADA NORTE_1-2 - Normal

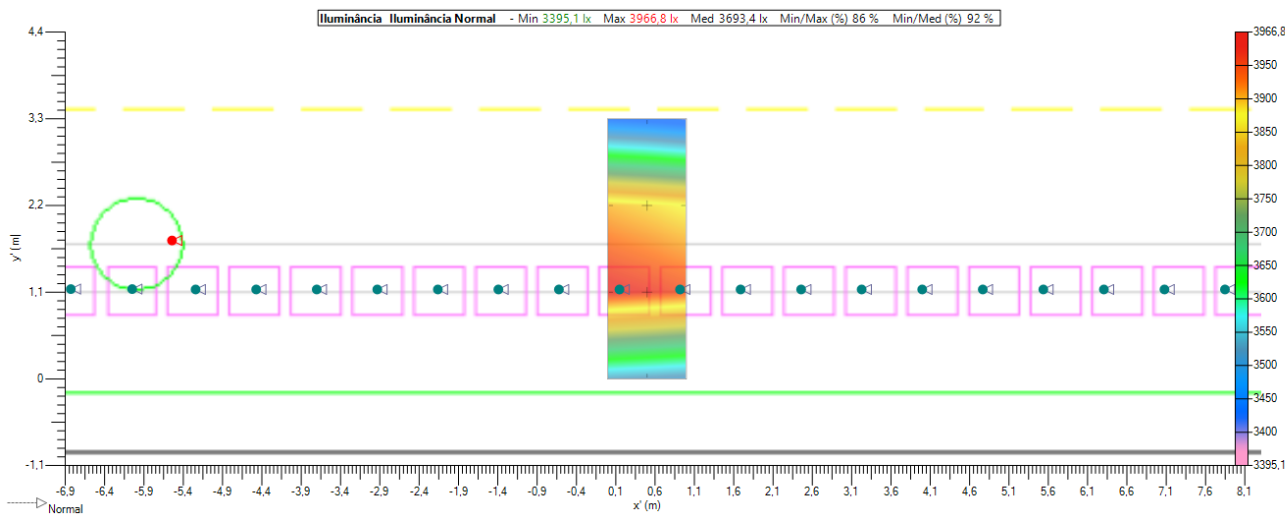
Resultados



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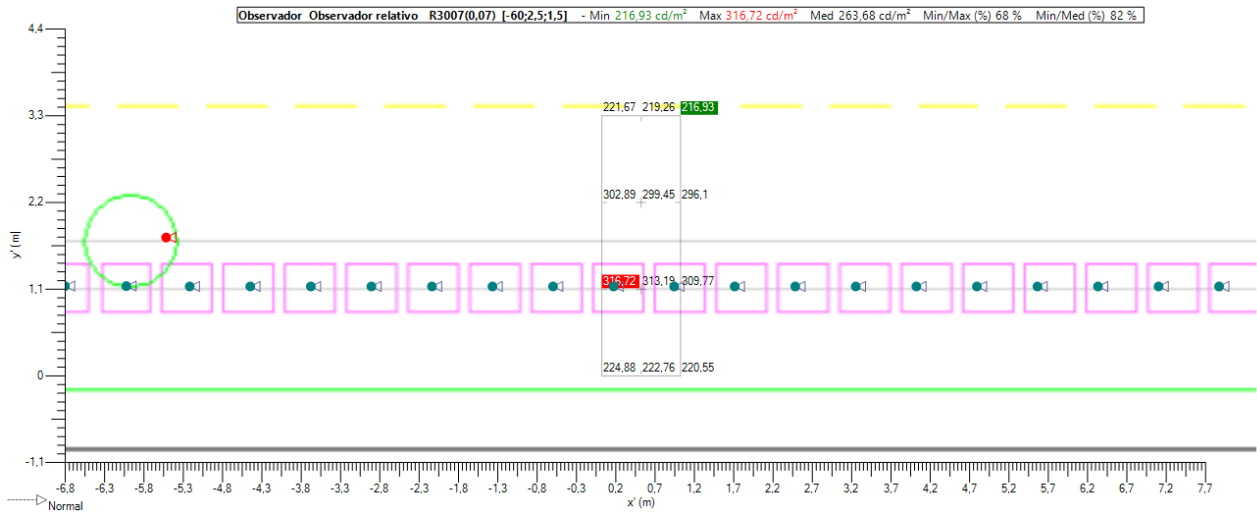


Sombreado

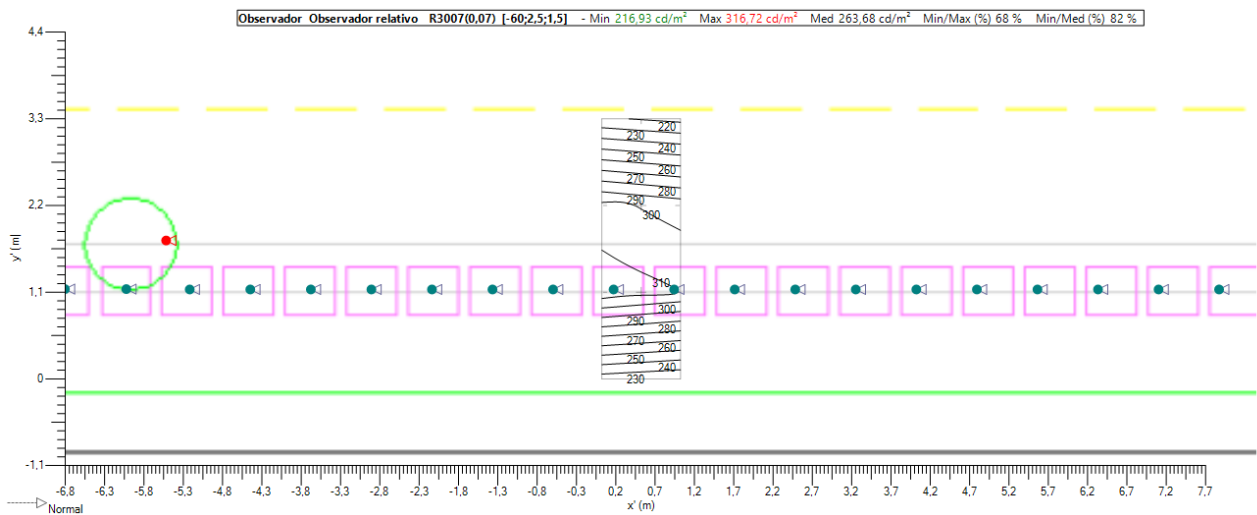


5.32. Z. ENTRADA NORTE_1-2 - Luminance RTable - Relative 1

Resultados



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Sombreado

