

TÚNEL DA NOGUEIRA

Data 02/11/2020

Application Ulysse 3.4.8

Description REG. DIURNO

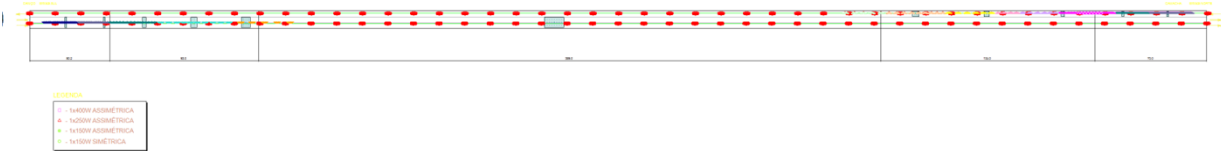
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1. Vistas

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

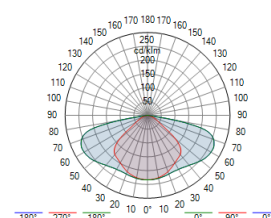
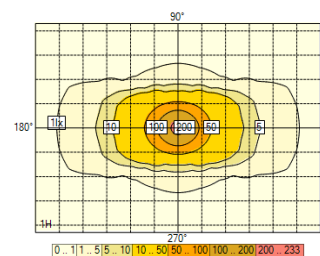
Potência 50,0 W

FM 0,85

Matriz 33632S

Fluxo luminária 6,619 klm

Eficácia 132 lm/W



2.2. TFLEX COMBI 5303 160 LH351C 800mA NW 740 408W 455092 Flat glass - 230V EF

Tipo TFLEX COMBI 5303 Flat glass - 160 LH351C@800mA ...

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

Fluxo nominal 59,523 klm

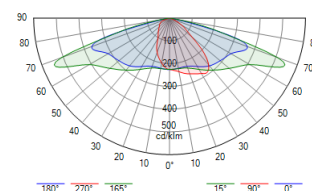
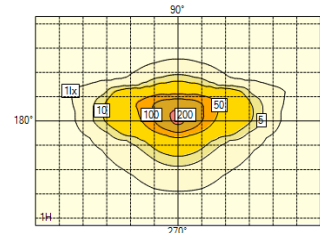
Potência 408,0 W

FM 0,85

Matriz TFLEX COMBI 5303 160 LH351C 800mA NW ...

Fluxo luminária 50,418 klm

Eficácia 124 lm/W



2.3. TFLEX COMBI 5303 160 LH351C 600mA NW 740 302W 455092 Flat glass - 230V EF

Tipo TFLEX COMBI 5303 Flat glass - 160 LH351C@600mA ...

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

Fluxo nominal 47,910 klm

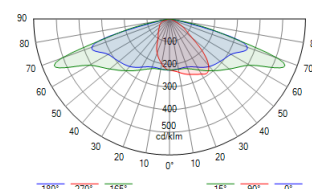
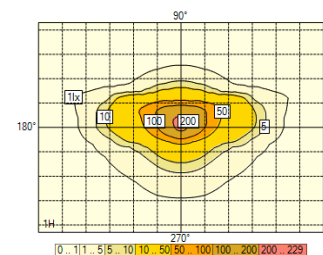
Potência 302,0 W

FM 0,85

Matriz TFLEX COMBI 5303 160 LH351C 600mA NW ...

Fluxo luminária 40,581 klm

Eficácia 134 lm/W



2.4. TFLEX COMBI 5303 160 LH351C 500mA NW 740 248W 455092 Flat glass - 230V EF

Tipo TFLEX COMBI 5303 Flat glass - 160 LH351C@500mA ...

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

Fluxo nominal 41,283 klm

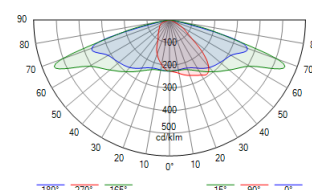
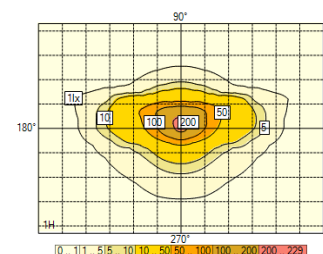
Potência 248,0 W

FM 0,85

Matriz TFLEX COMBI 5303 160 LH351C 500mA NW ...

Fluxo luminária 34,968 klm

Eficácia 141 lm/W



2.5. 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

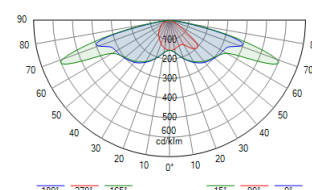
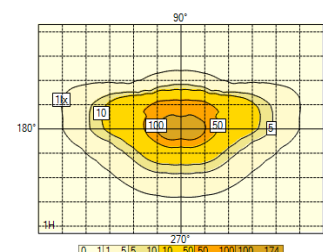
Potência 146,0 W

FM 0,85

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

Fluxo luminária 21,383 klm

Eficácia 146 lm/W



2.6. 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

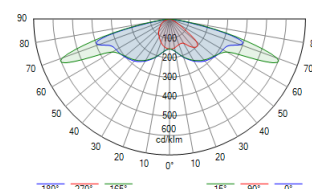
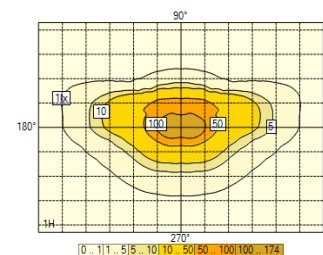
Potência 128,0 W

FM 0,85

Matriz TFLEX COMBI 5305 80 LH351C 500mA NW ...

Fluxo luminária 17,223 klm

Eficácia 135 lm/W



2.7. TFLEX BASE 5303 40 LH351C 350mA NW 740 42.5W 456212 Flat glass 230V EF

Tipo TFLEX BASE 5303 Flat glass 40 LH351C@350mA ...

Fonte 40 LH351C@350mA NW 740 230V

Fluxo nominal 7,600 klm

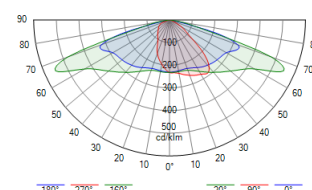
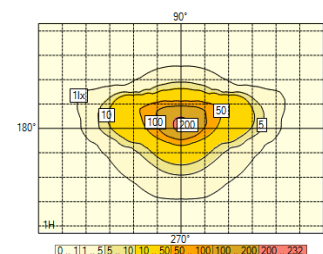
Potência 42,5 W

FM 0,85

Matriz TFLEX BASE 5303 40 LH351C 350mA NW 740 ...

Fluxo luminária 6,371 klm

Eficácia 150 lm/W



2.8. TFLEX BASE 5303 40 LH351C 500mA NW 740 64W 456212 Flat glass 230V EF

Tipo TFLEX BASE 5303 Flat glass 40 LH351C@500mA ...

Fonte 40 LH351C@500mA NW 740 230V

Fluxo nominal 10,336 klm

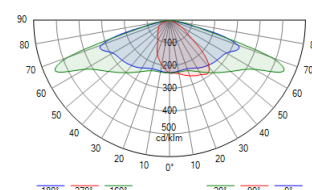
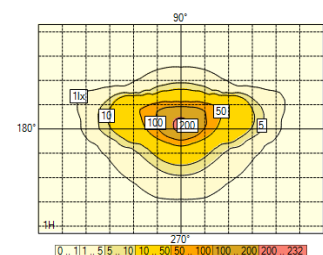
Potência 64,0 W

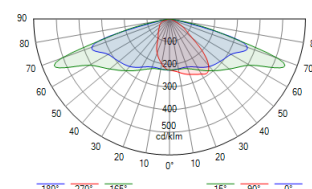
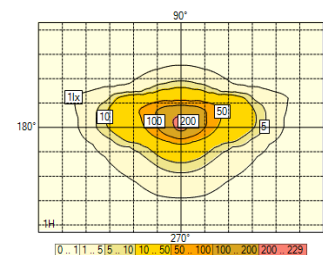
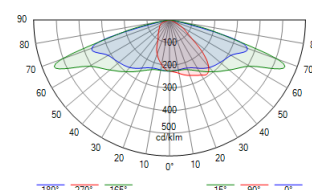
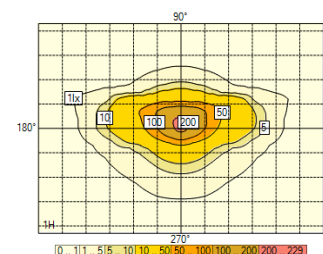
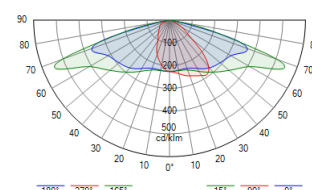
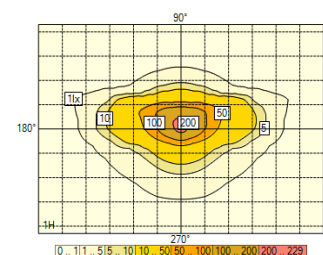
FM 0,85

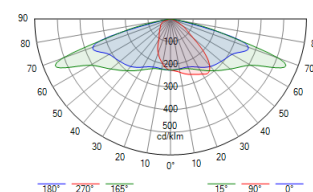
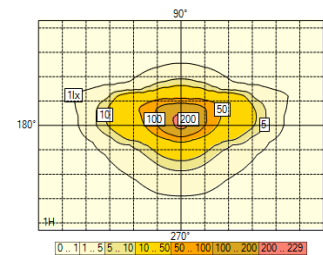
Matriz TFLEX BASE 5303 40 LH351C 500mA NW 740 ...

Fluxo luminária 8,665 klm

Eficácia 135 lm/W



2.9. TFLEX COMBI 5303 80 LH351C 500mA NW 740 128W 455092 Flat glass - 230V EF**Tipo** TFLEX COMBI 5303 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 5303 80 LH351C 500mA NW ...**Fluxo luminária** 17,484 klm**Eficácia** 137 lm/W**2.10. TFLEX COMBI 5303 80 LH351C 600mA NW 740 151W 455092 Flat glass - 230V EF****Tipo** TFLEX COMBI 5303 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 5303 80 LH351C 600mA NW ...**Fluxo luminária** 20,291 klm**Eficácia** 134 lm/W**2.11. TFLEX COMBI 5303 120 LH351C 600mA NW 740 224W 455092 Flat glass - 230V EF****Tipo** TFLEX COMBI 5303 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 5303 120 LH351C 600mA NW ...**Fluxo luminária** 30,436 klm**Eficácia** 136 lm/W

2.12. TFLEX COMBI 5303 120 LH351C 400mA NW 740 146W 455092 Flat glass - 230V EF**Tipo** TFLEX COMBI 5303 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 5303 120 LH351C 400mA NW ...**Fluxo luminária** 21,707 klm**Eficácia** 149 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	3184,2	59	50	1880,8	3752,6	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (-38,00; 2,80; 1,50)	197,68	49	35	97,16	278,27	99 %
DIURNO - Observador 2 (-38,00; 5,80; 1,50)	201,45	44	32	89,33	280,83	100 %

Z. ENTRADA SUL.2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	2018,7	58	48	1163,5	2433,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (-14,00; 2,80; 1,50)	101,15	51	39	51,94	134,71	95 %
DIURNO - Observador 2 (-14,00; 5,80; 1,50)	102,34	48	36	49,04	136,80	95 %

Z. TRANSIÇÃO SUL - 1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	710,5	58	47	412,2	870,2	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)	38,73	52	38	20,10	53,41	93 %
DIURNO - Observador 2 (10,50; 5,80; 1,50)	39,12	48	35	18,69	53,66	94 %

Z. TRANSIÇÃO SUL - 2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	306,0	73	61	222,8	363,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (41,00; 2,80; 1,50)	21,64	57	39	12,35	31,56	97 %
DIURNO - Observador 2 (41,00; 5,80; 1,50)	21,89	52	36	11,31	31,79	98 %

Z. TRANSIÇÃO SUL - 3

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	185,5	69	59	128,2	218,2	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (72,50; 2,80; 1,50)	13,19	55	38	7,21	18,75	92 %
DIURNO - Observador 2 (72,50; 5,80; 1,50)	13,29	50	35	6,66	18,95	93 %

Z. INTERIOR

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	36,7	65	46	23,7	51,3	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (262,00; 2,80; 1,50)	2,59	61	50	1,58	3,16	95 %
DIURNO - Observador 2 (262,00; 5,30; 1,50)	2,49	58	45	1,45	3,21	94 %

Z. TRANSIÇÃO NORTE - 3

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	198,0	83	73	163,7	223,3	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (616,00; 8,10; 1,50)	13,68	79	67	10,87	16,16	95 %

Z. TRANSIÇÃO NORTE - 2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	353,3	86	79	302,3	384,8	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (660,00; 8,10; 1,50)	24,47	82	70	20,14	28,89	97 %

Z. TRANSIÇÃO NORTE - 1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	827,6	85	78	703,8	897,0	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (707,00; 8,10; 1,50)	55,18	82	70	45,41	65,08	97 %

Z. ENTRADA NORTE_2

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	3003,8	85	78	2552,4	3281,7	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (744,00; 8,10; 1,50)	155,54	83	72	128,81	179,13	95 %

Z. ENTRADA NORTE_1

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	4124,3	87	81	3571,9	4406,0	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (772,00; 8,10; 1,50)	301,42	84	71	252,78	357,45	100 %

4. Potência consumida

4.1. DIURNO

equipamento	Current [mA]	Qt.	Dimming	Potência / Equipamento	Total
GL2 Compact 2 32 LEDs 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S	500	94	100 %	50 W	4719 W
TFLEX BASE 5303 40 LH351C 350mA NW 740 42.5W 456212 Flat glass 230V EF	0	5	100 %	43 W	213 W
TFLEX BASE 5303 40 LH351C 500mA NW 740 64W 456212 Flat glass 230V EF	0	9	100 %	64 W	576 W
TFLEX COMBI 5303 120 LH351C 400mA NW 740 146W 455092 Flat glass - 230V EF	0	22	100 %	146 W	3212 W
TFLEX COMBI 5303 120 LH351C 600mA NW 740 224W 455092 Flat glass - 230V EF	0	6	100 %	224 W	1344 W
TFLEX COMBI 5303 160 LH351C 500mA NW 740 248W 455092 Flat glass - 230V EF	0	35	100 %	248 W	8680 W
TFLEX COMBI 5303 160 LH351C 600mA NW 740 302W 455092 Flat glass - 230V EF	0	54	100 %	302 W	16308 W
TFLEX COMBI 5303 160 LH351C 800mA NW 740 408W 455092 Flat glass - 230V EF	0	24	100 %	408 W	9792 W
TFLEX COMBI 5303 80 LH351C 500mA NW 740 128W 455092 Flat glass - 230V EF	0	6	100 %	128 W	768 W
TFLEX COMBI 5303 80 LH351C 600mA NW 740 151W 455092 Flat glass - 230V EF	0	4	100 %	151 W	604 W
TFLEX COMBI 5305 120 LH351C 400mA NW 740 146W 455112 Flat glass - 230V EF	0	10	100 %	146 W	1460 W
TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF	0	5	100 %	128 W	640 W

5. DIURNO

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 500mA NW740 740 Plano(a), Vidro extra claro, Liso 5103 Simétrico 33632S	500	7,847	6,619	50,2	132	0,850	47 x 6,50 47 x 7,10	
	TFLEX BASE 5303 40 LH351C 350mA NW 740 42.5W 456212 Flat glass 230V EF		7,600	6,371	42,5	150	0,850	5 x 6,20	
	TFLEX BASE 5303 40 LH351C 500mA NW 740 64W 456212 Flat glass 230V EF		10,336	8,665	64,0	135	0,850	9 x 6,20	

	TFLEX COMBI 5303 120 LH351C 400mA NW 740 146W 455092 Flat glass - 230V EF		25,627	21,707	146,0	149	0,850	22 x 6,20	
	TFLEX COMBI 5303 120 LH351C 600mA NW 740 224W 455092 Flat glass - 230V EF		35,932	30,436	224,0	136	0,850	6 x 6,20	
	TFLEX COMBI 5303 160 LH351C 500mA NW 740 248W 455092 Flat glass - 230V EF		41,283	34,968	248,0	141	0,850	24 x 6,20 11 x 7,20	
	TFLEX COMBI 5303 160 LH351C 600mA NW 740 302W 455092 Flat glass - 230V EF		47,910	40,581	302,0	134	0,850	36 x 6,20 18 x 7,20	
	TFLEX COMBI 5303 160 LH351C 800mA NW 740 408W 455092 Flat glass - 230V EF		59,523	50,418	408,0	124	0,850	24 x 7,20	
	TFLEX COMBI 5303 80 LH351C 500mA NW 740 128W 455092 Flat glass - 230V EF		20,641	17,484	128,0	137	0,850	6 x 6,20	
	TFLEX COMBI 5303 80 LH351C 600mA NW 740 151W 455092 Flat glass - 230V EF		23,955	20,291	151,0	134	0,850	4 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	10 x 7,20	
	TFLEX COMBI 5305 80 LH351C 500mA NW 740 128W 455112 Flat glass - 230V EF		20,641	17,223	128,0	135	0,850	5 x 7,20	

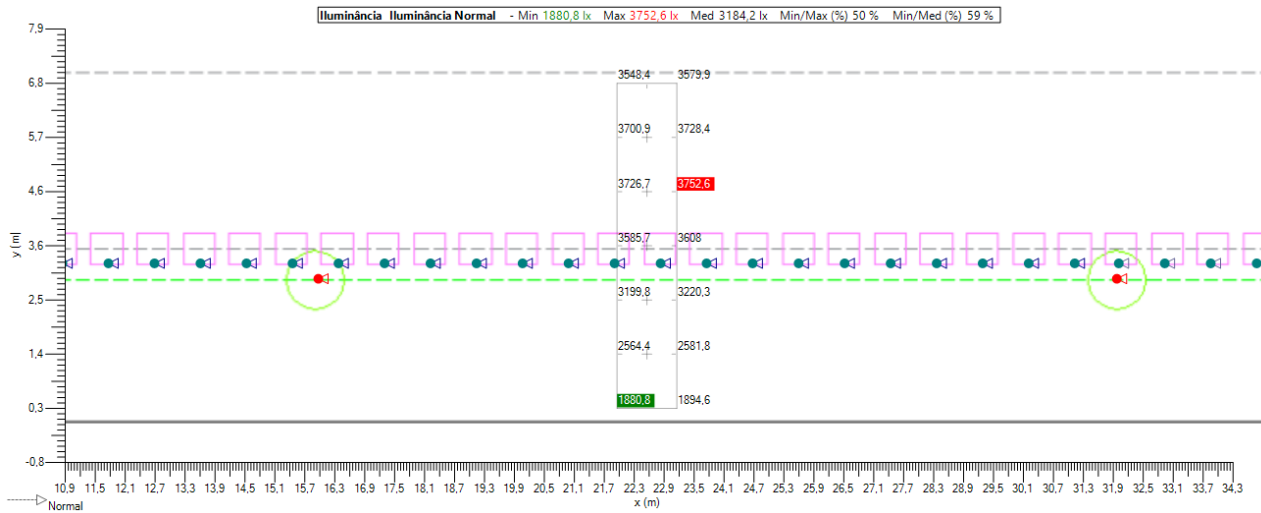
5.2. Grupos de luminárias

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	0,02	2,89	7,10	REG. BASE_sul	0,0	0,0	0,0	100	47	16,00	736,00	0,0	0,0	0,0
☒		2	0,08	9,18	6,50	REG. BASE_norte	0,0	0,0	0,0	100	47	16,01	736,46	0,0	0,0	0,0
☒		3	9,97	3,20	7,20	Z. ENTRADA SUL	0,0	0,0	0,0	100	24	0,92	21,21	0,0	0,0	0,0
☒		4	32,06	3,20	7,20	Z. ENTRADA SUL (2)	0,0	0,0	0,0	100	15	0,92	12,89	0,0	0,0	0,0
☒		5	46,49	3,20	7,20	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	3,20	7,20	Z. TRANSIÇÃO SUL	0,0	0,0	0,0	100	4	2,00	6,00	0,0	0,0	0,0
☒		7	59,75	3,20	7,20	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	7,20	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	3,20	7,20	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	3,20	7,20	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	3,20	7,20	Z. TRANSIÇÃO SUL (5)	0,0	0,0	0,0	100	5	4,98	19,92	0,0	0,0	0,0
☒		12	131,97	3,20	7,20	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	3,20	7,20	Z. INTERIOR SUL	0,0	0,0	0,0	100	3	8,00	16,00	0,0	0,0	0,0
☒		14	532,28	9,75	6,20	Z. INTERIOR NORTE	0,0	0,0	0,0	100	5	5,50	22,00	0,0	0,0	180,0
☒		15	551,44	9,75	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	570,99	9,75	6,20	Z. TRANSIÇÃO NORTE	0,0	0,0	0,0	100	5	3,70	14,80	0,0	0,0	180,0

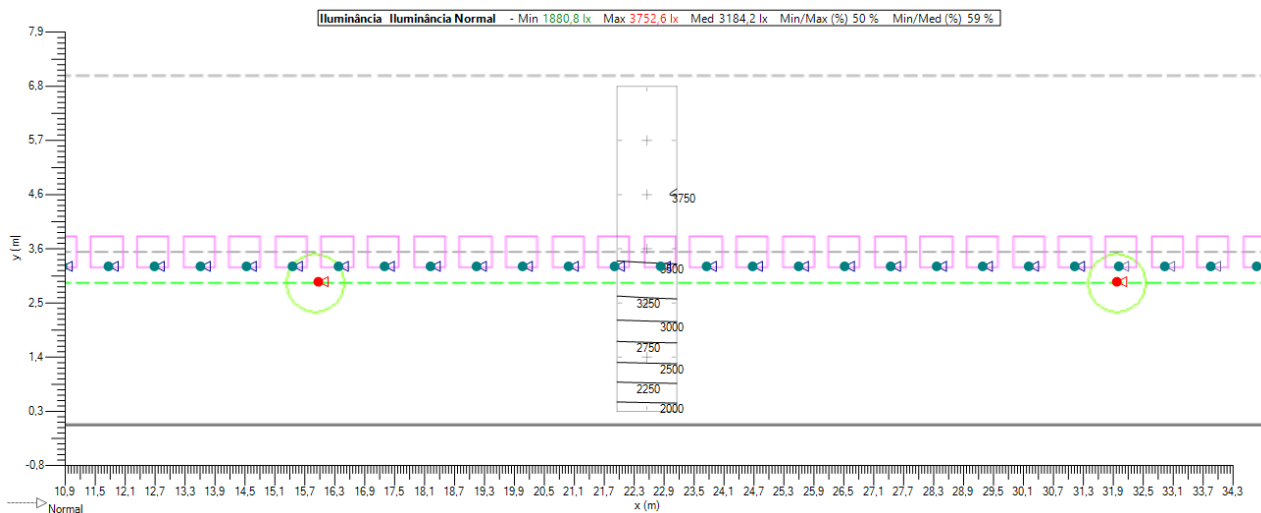
☒		17	586,14	9,75	6,20	Z. TRANSIÇÃO NORTE (1)	0,0	0,0	0,0	100	3	5,70	11,40	0,0	0,0	180,0
☒		18	601,20	9,75	6,20	Z. TRANSIÇÃO NORTE (2)	0,0	0,0	0,0	100	3	4,80	9,60	0,0	0,0	180,0
☒		19	616,96	9,75	6,20	Z. TRANSIÇÃO NORTE (3)	0,0	0,0	0,0	100	4	3,70	11,10	0,0	0,0	180,0
☒		20	634,51	9,75	6,20	Z. TRANSIÇÃO NORTE (4)	0,0	0,0	0,0	100	4	4,50	13,50	0,0	0,0	180,0
☒		21	641,58	9,75	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	646,99	9,75	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	654,96	9,75	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	668,93	9,75	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	677,00	9,75	6,20	Z. ENTRADA NORTE	0,0	0,0	0,0	100	7	1,10	6,60	0,0	0,0	180,0
☒		26	686,21	9,75	6,20	Z. ENTRADA NORTE (1)	0,0	0,0	0,0	100	9	0,77	6,16	0,0	0,0	180,0
☒		27	697,91	9,75	6,20	Z. ENTRADA NORTE (2)	0,0	0,0	0,0	100	15	0,77	10,78	0,0	0,0	180,0
☒		28	716,66	9,75	6,20	Z. ENTRADA NORTE (3)	0,0	0,0	0,0	100	24	0,78	17,94	0,0	0,0	180,0
☒		29	726,00	9,75	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

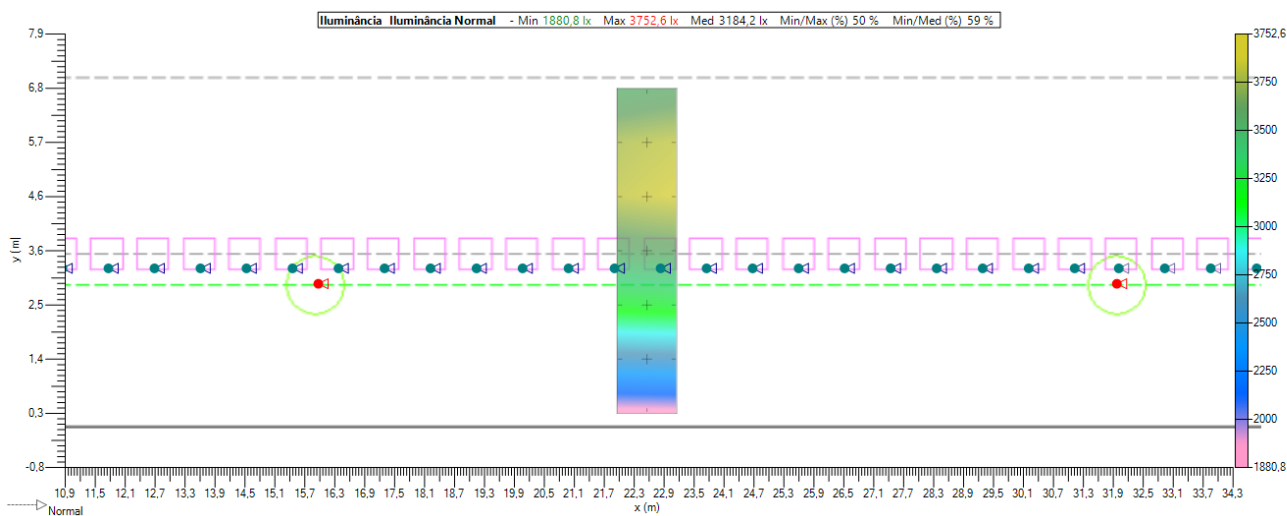
Resultados



Isolevel

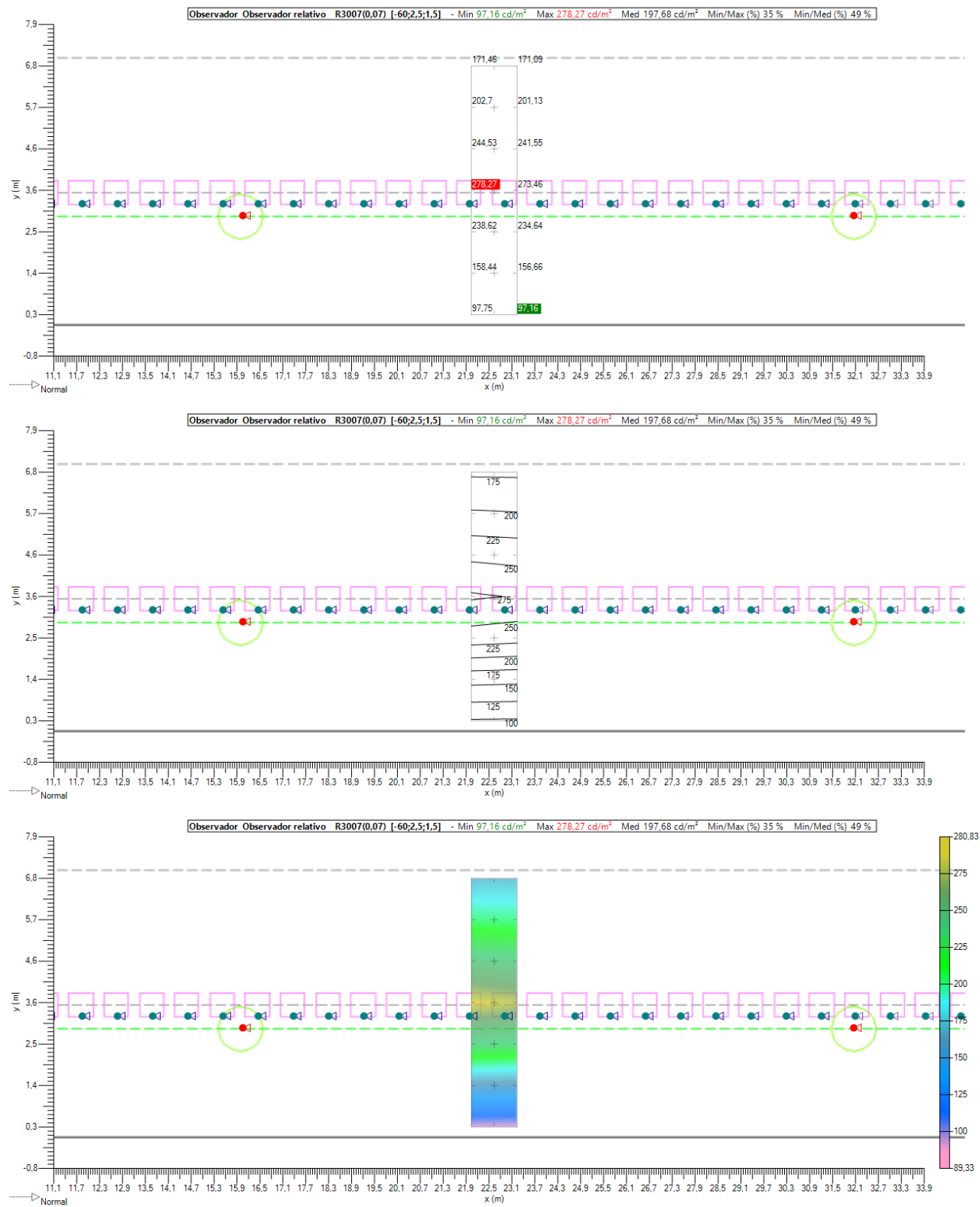


Sombreado

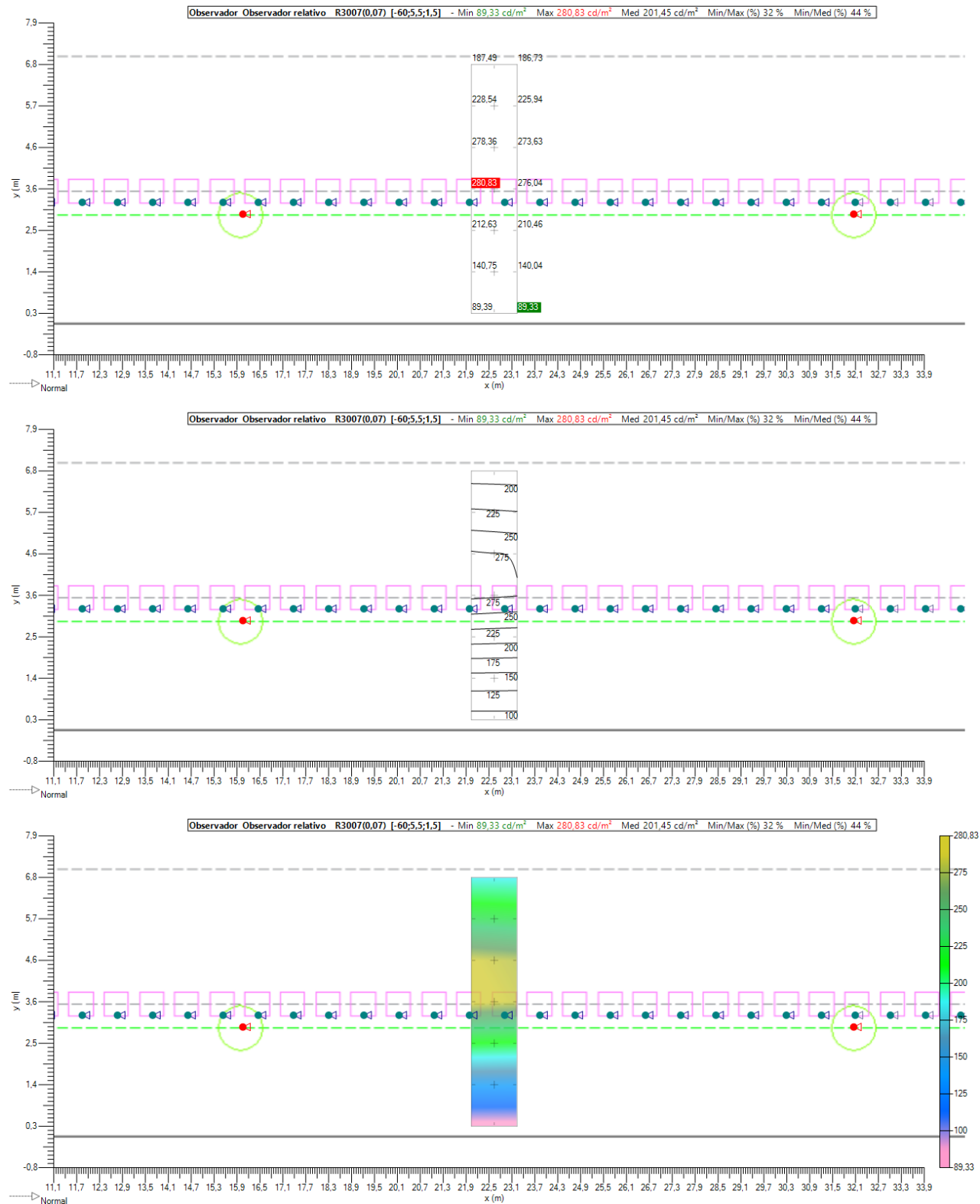


5.4. Luminância - Z. ENTRADA SUL.1 - R3007

Z. ENTRADA SUL.1 - Relative 1

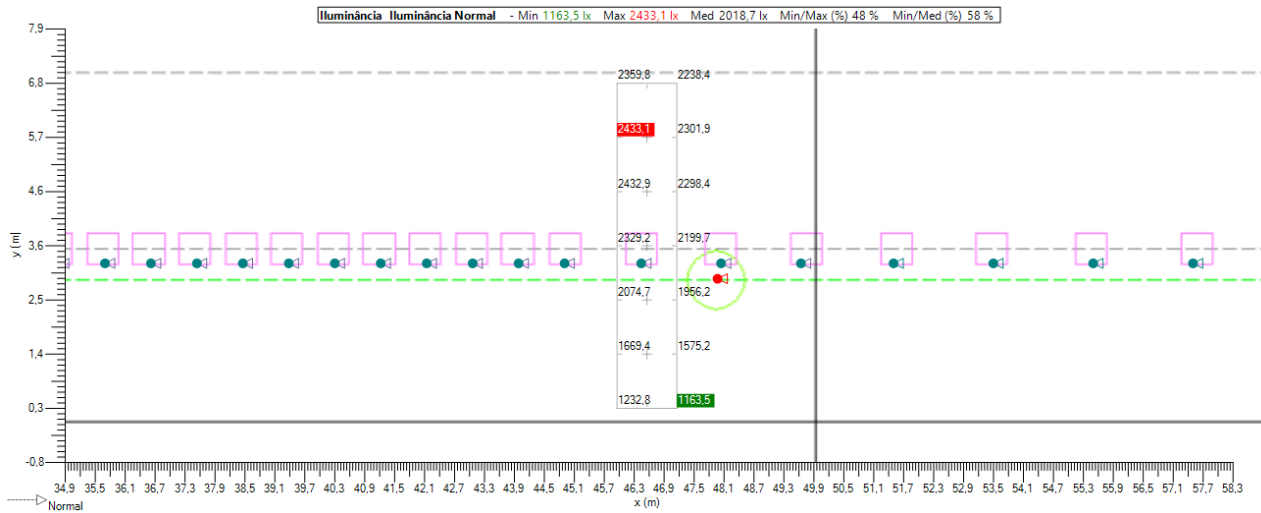


Z. ENTRADA SUL.1 - Relative 2

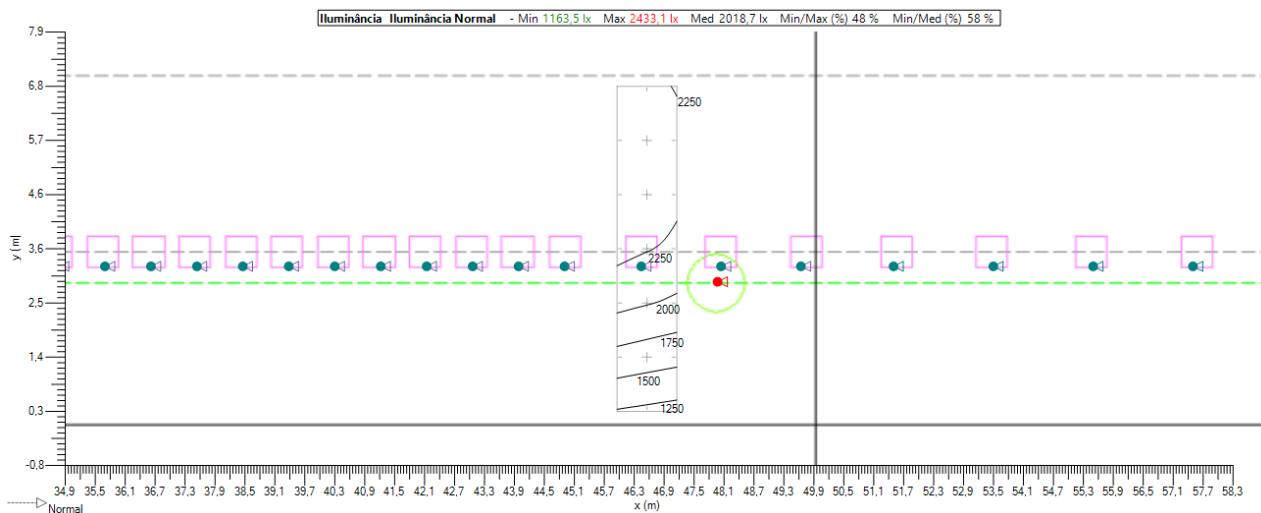


5.5. Z. ENTRADA SUL.2 - Normal

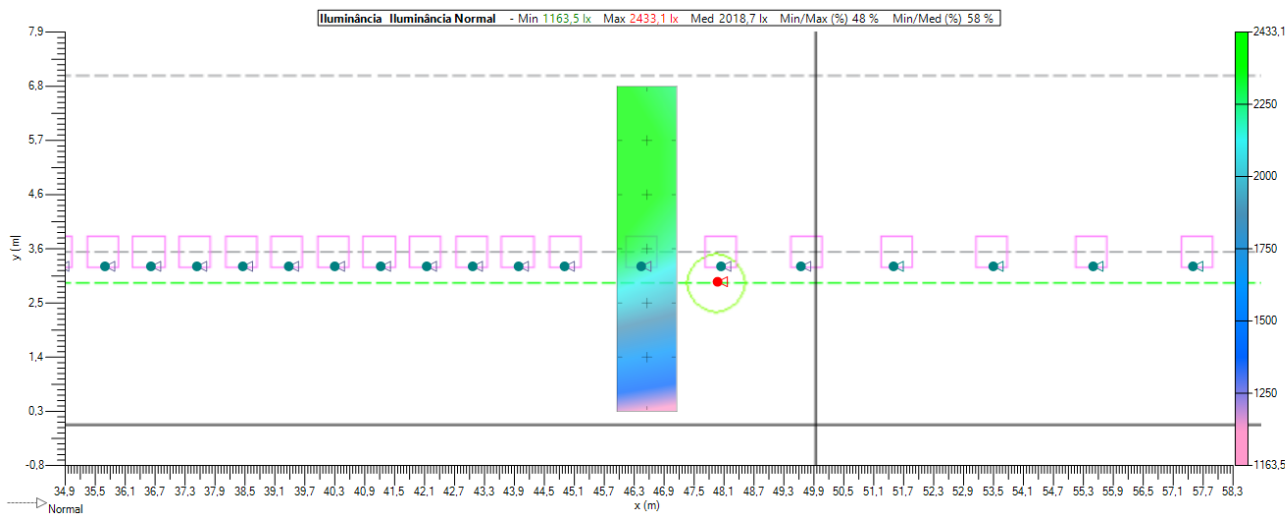
Resultados

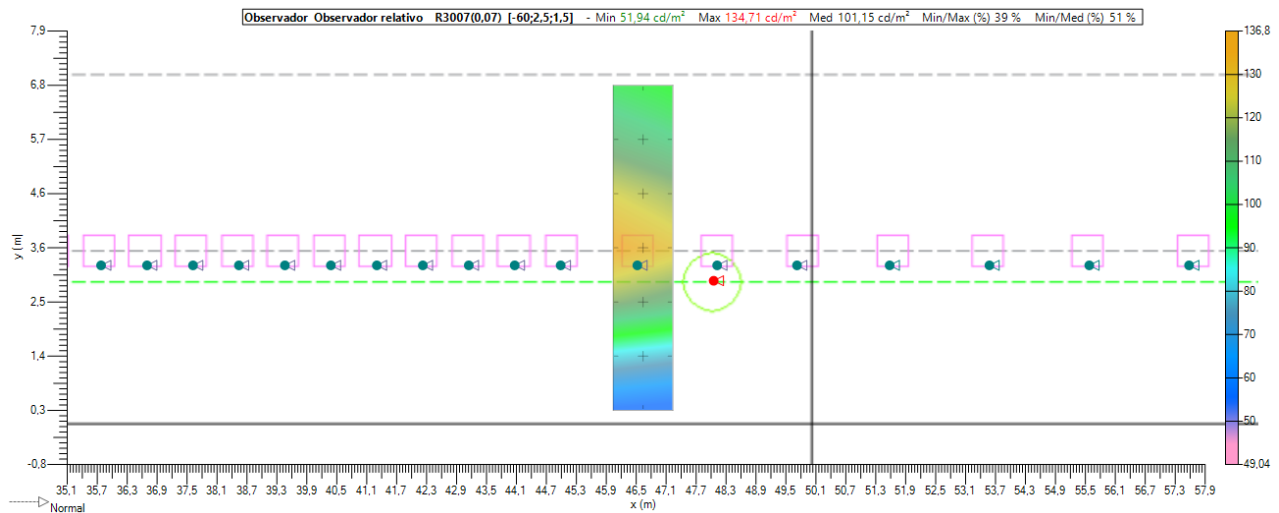


Isolevel

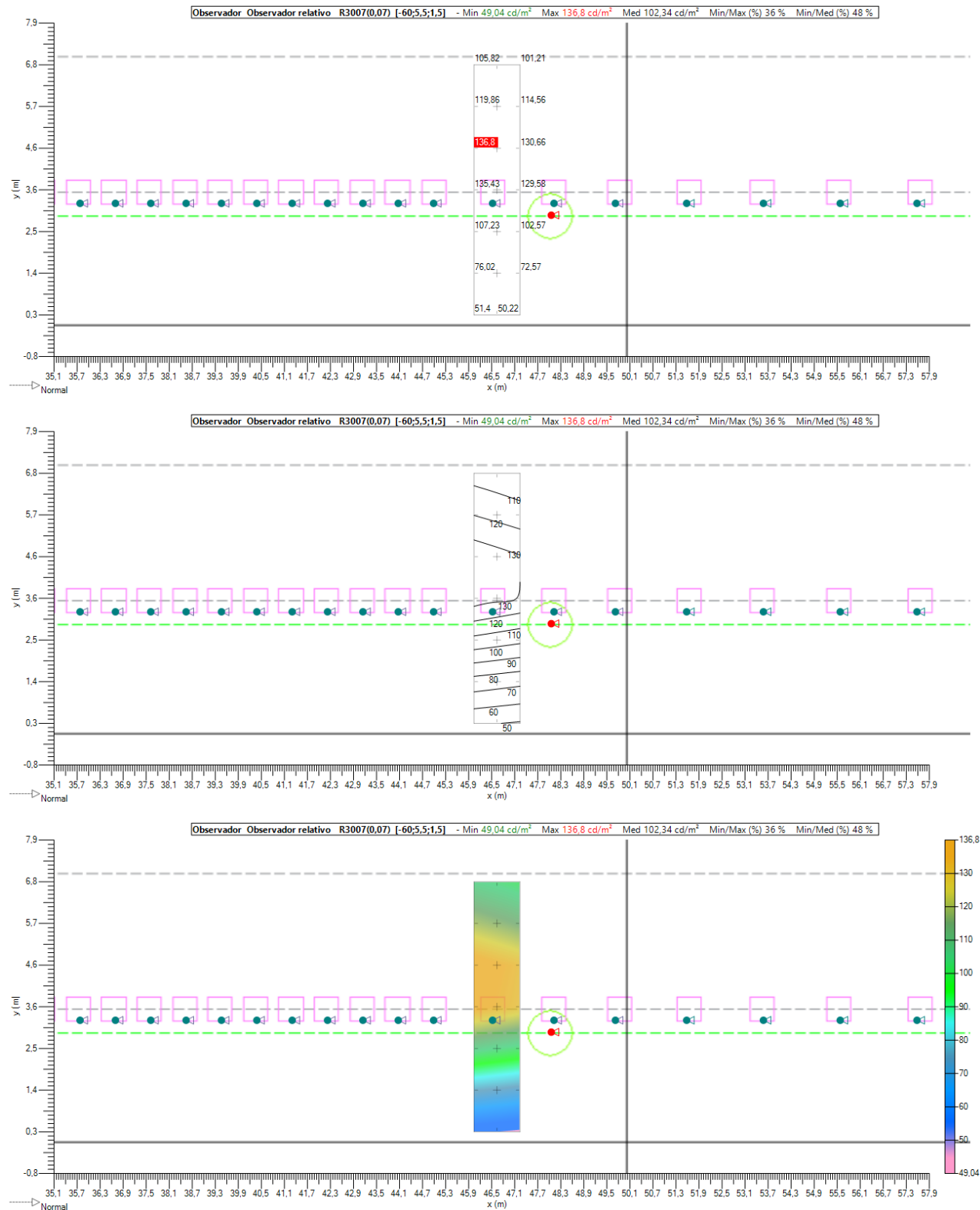


Sombreado



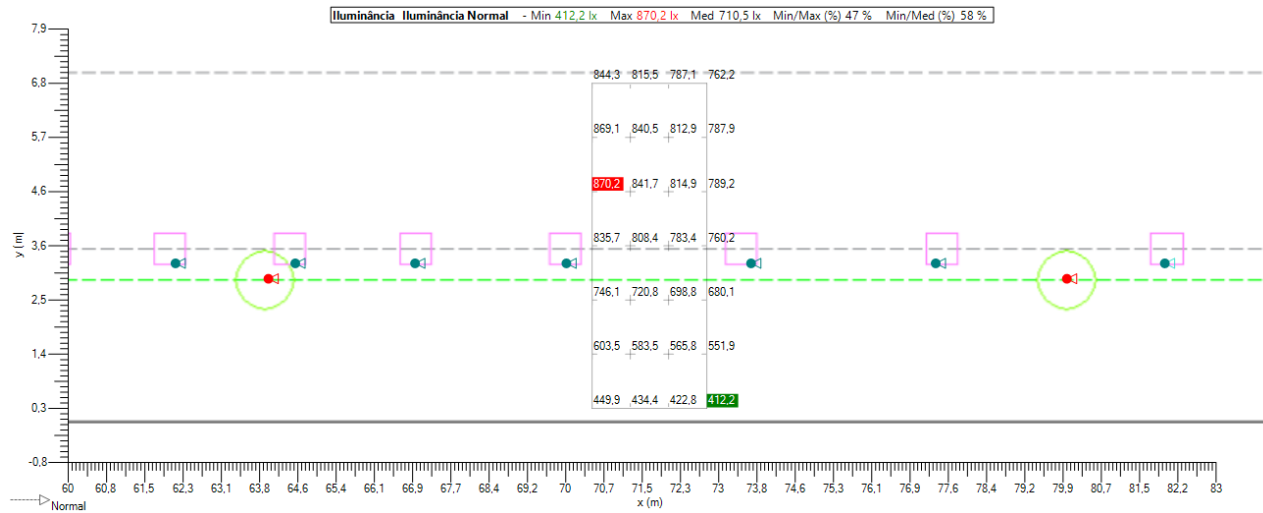


Z. ENTRADA SUL.2 - Relative 2

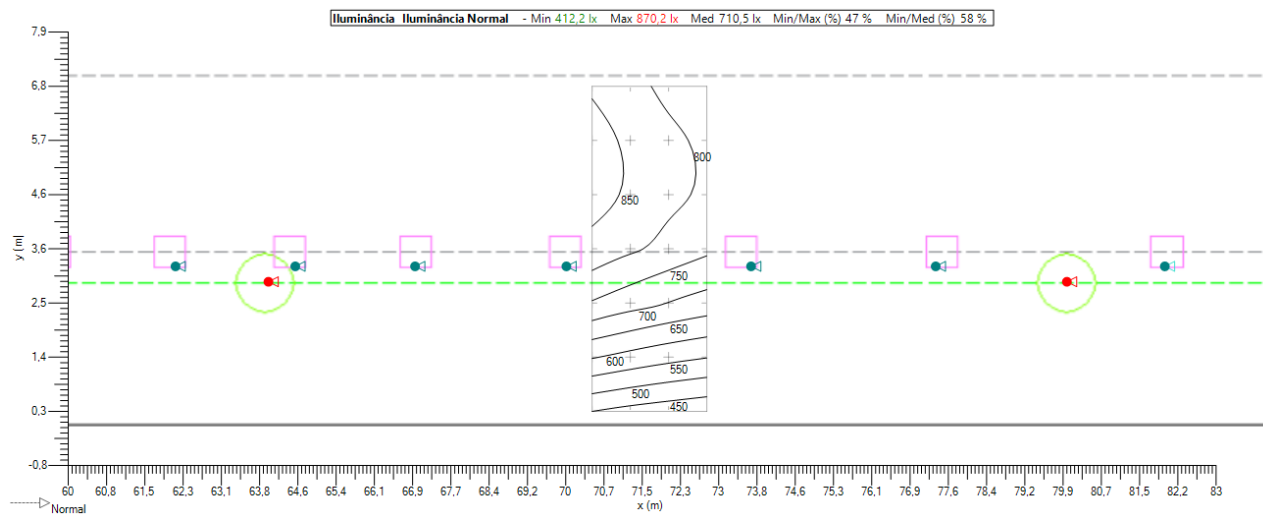


5.7. Z. TRANSIÇÃO SUL - 1 - Normal

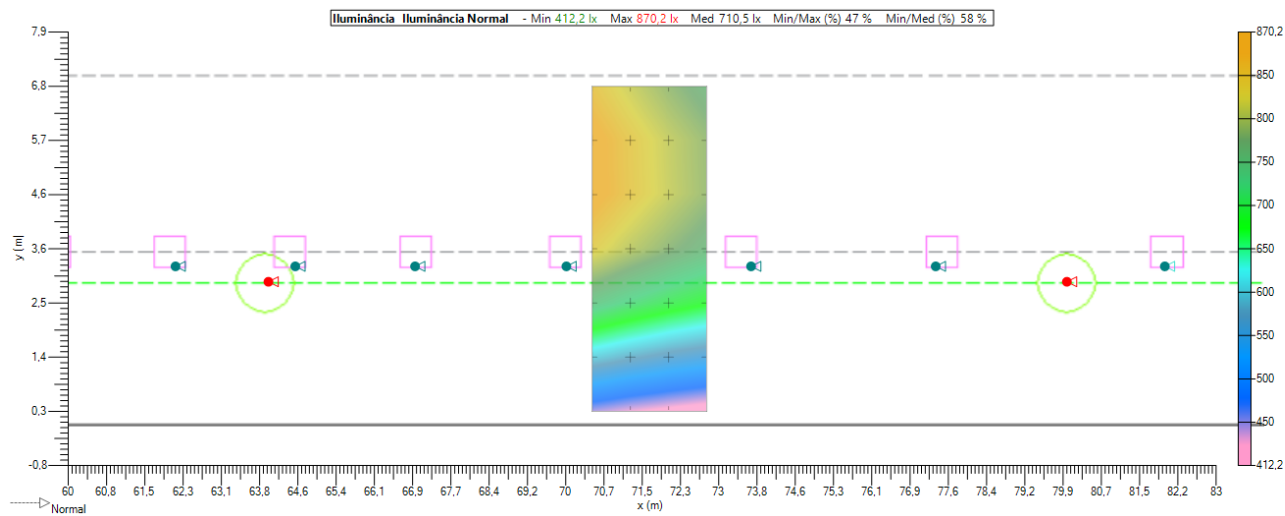
Resultados



Isolevel

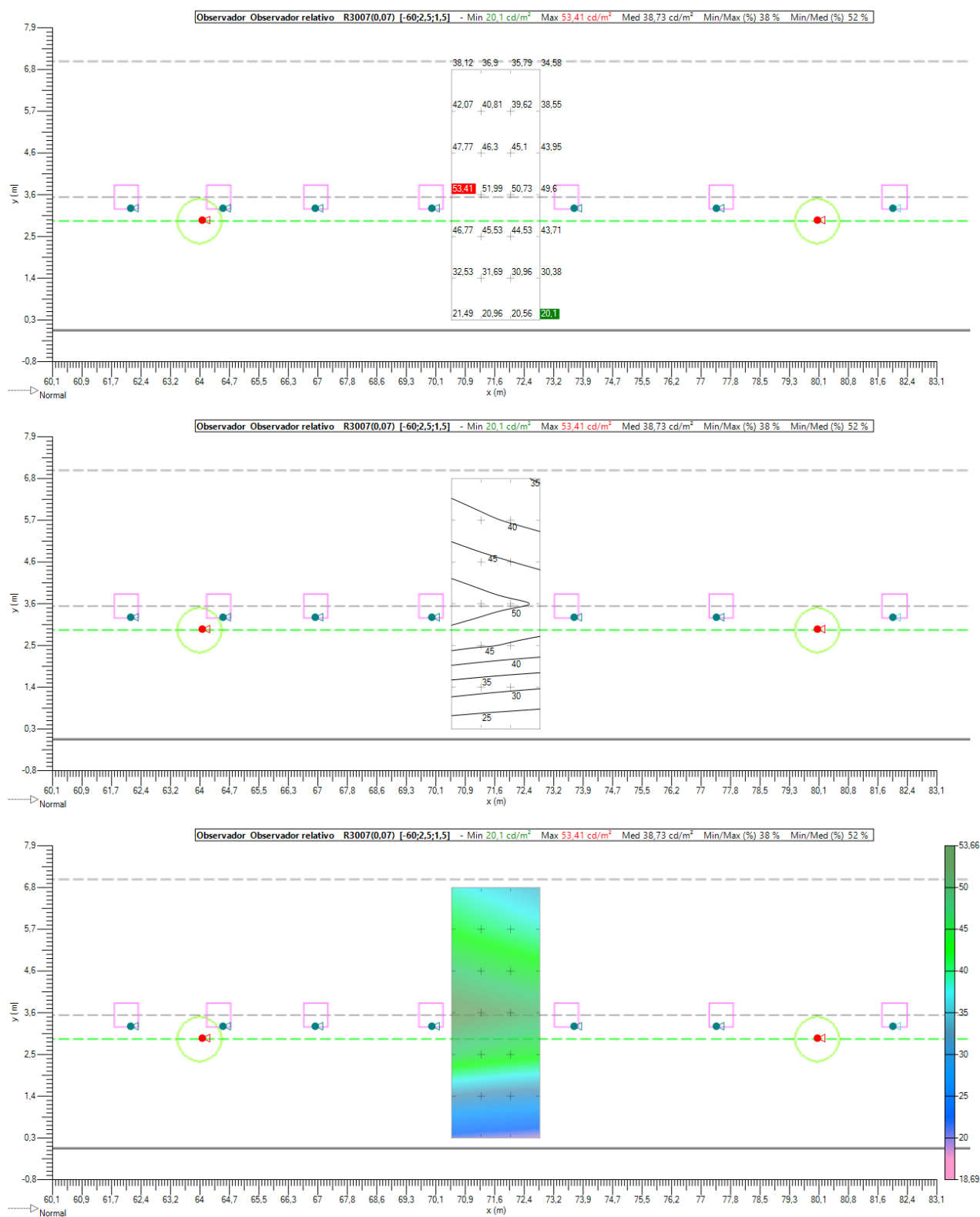


Sombreado

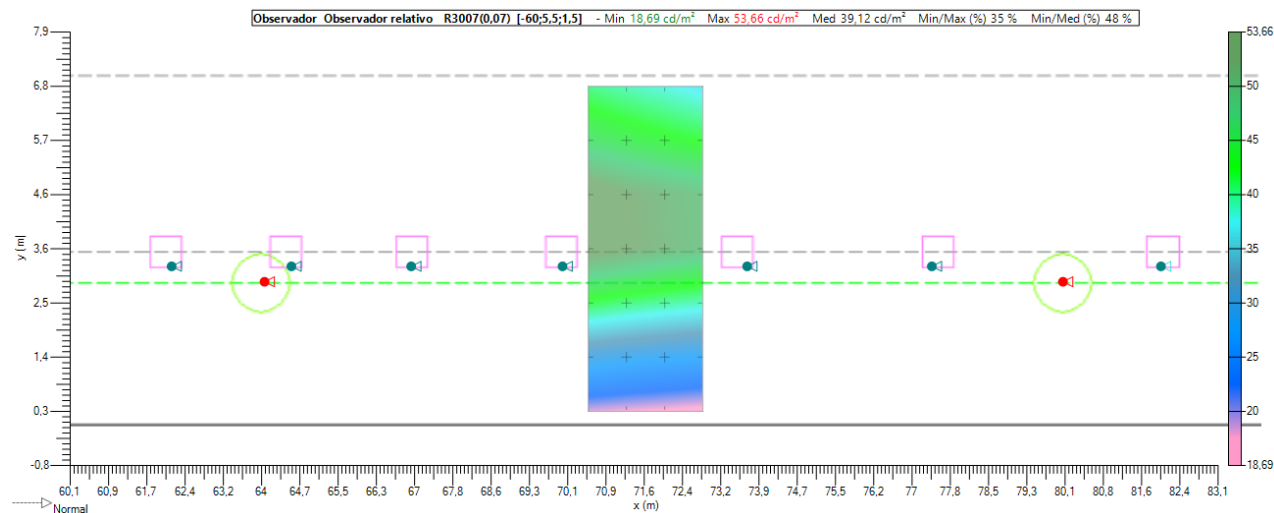
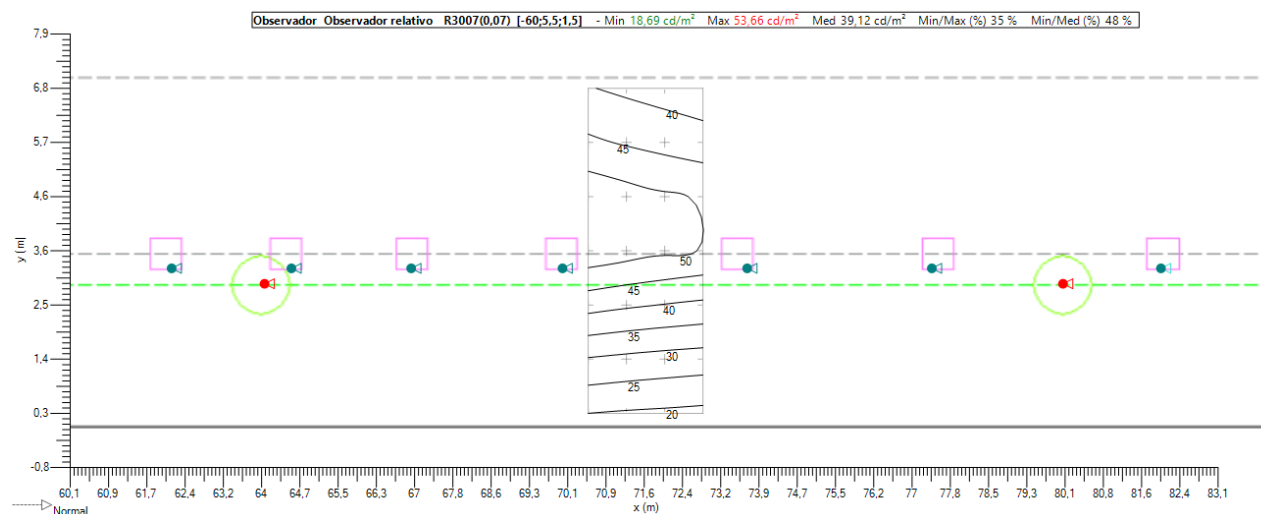
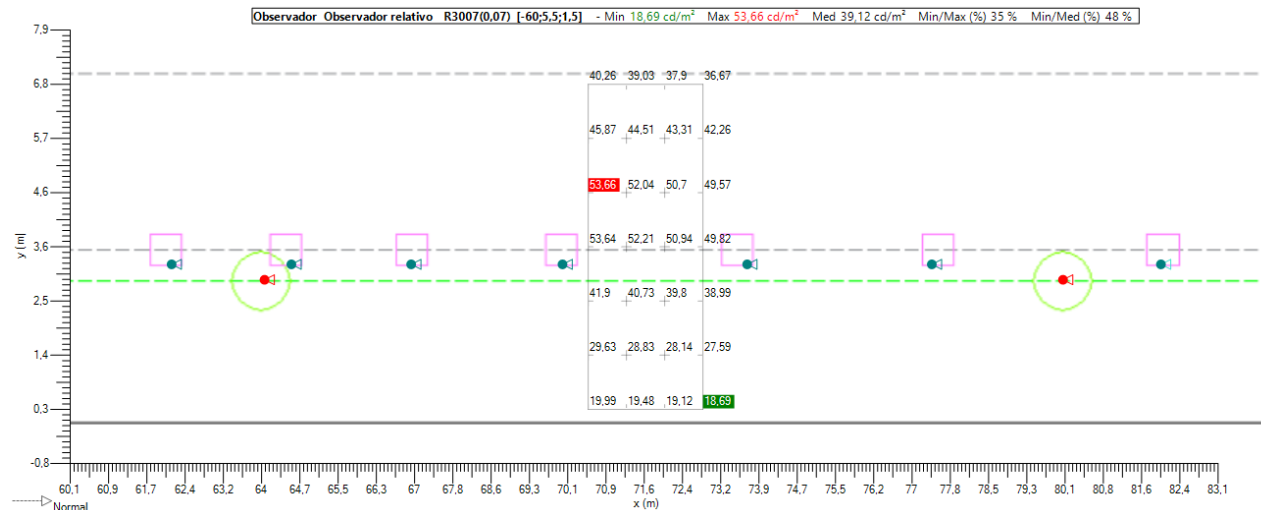


5.8. Luminância - Z. TRANSIÇÃO SUL - 1 - R3007

Z. TRANSIÇÃO SUL - 1 - Relative 1

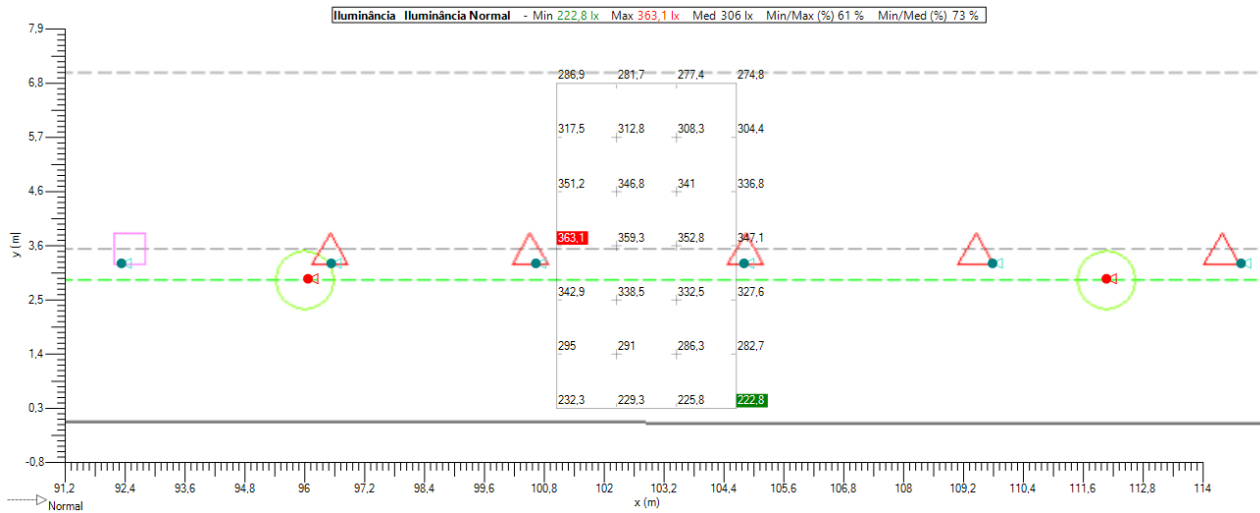


Z. TRANSIÇÃO SUL - 1 - Relative 2

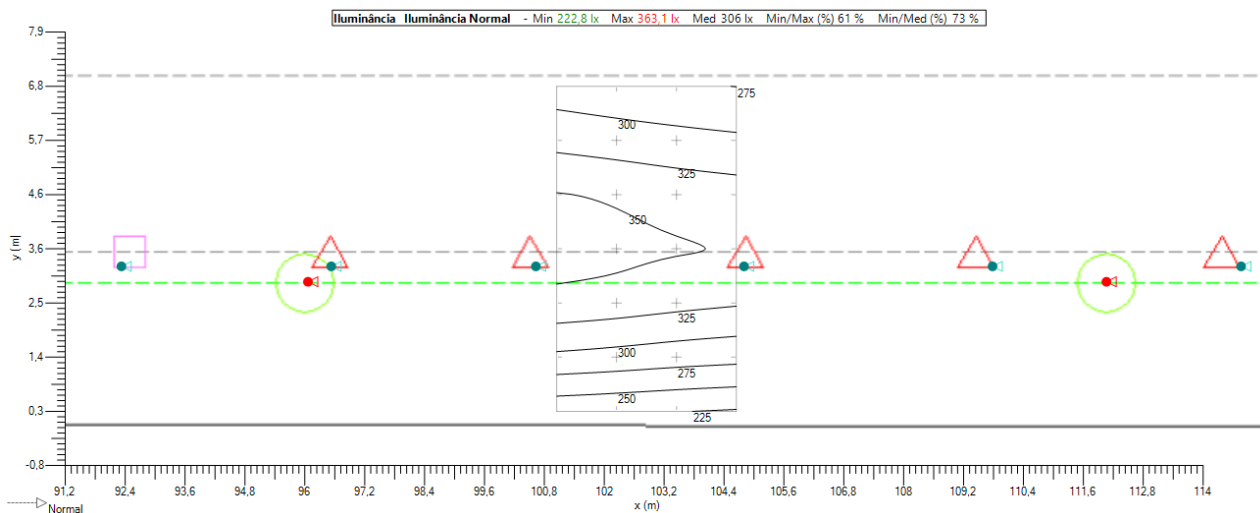


5.9. Z. TRANSIÇÃO SUL - 2 - Normal

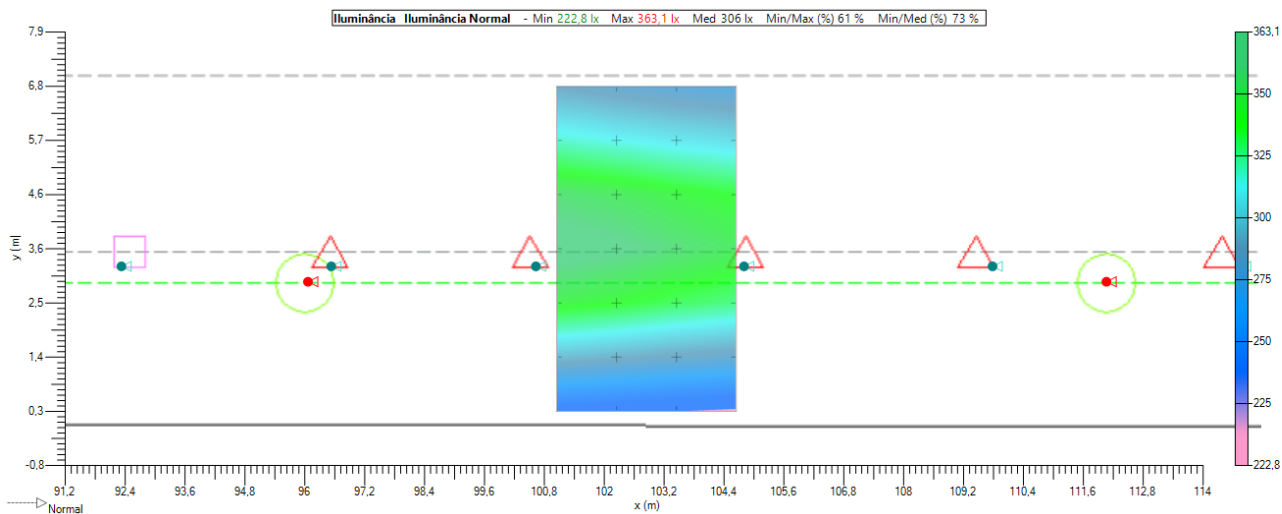
Resultados



Isolevel

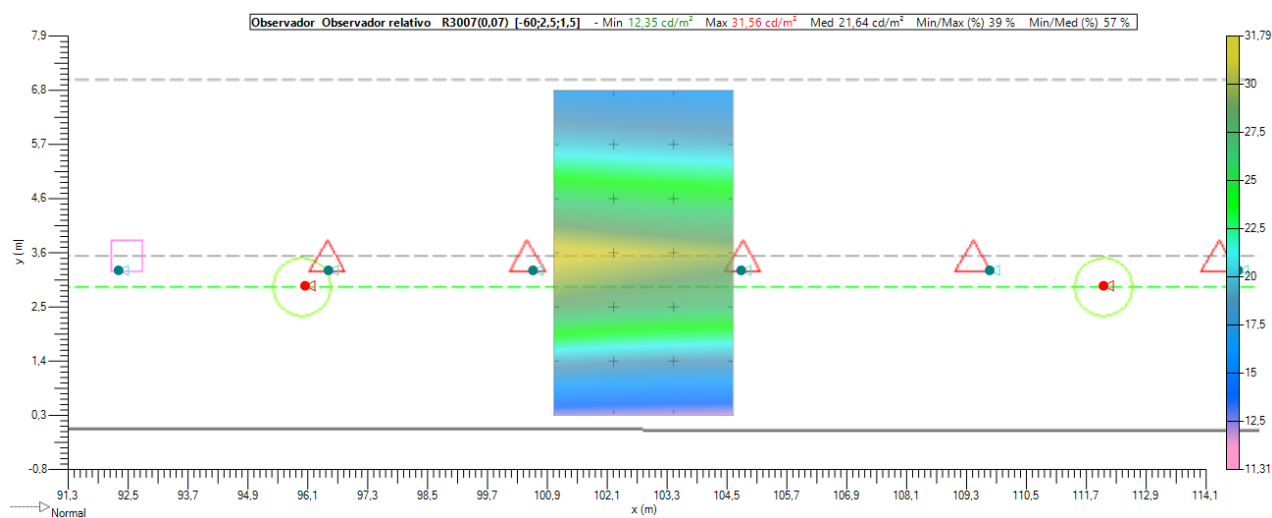
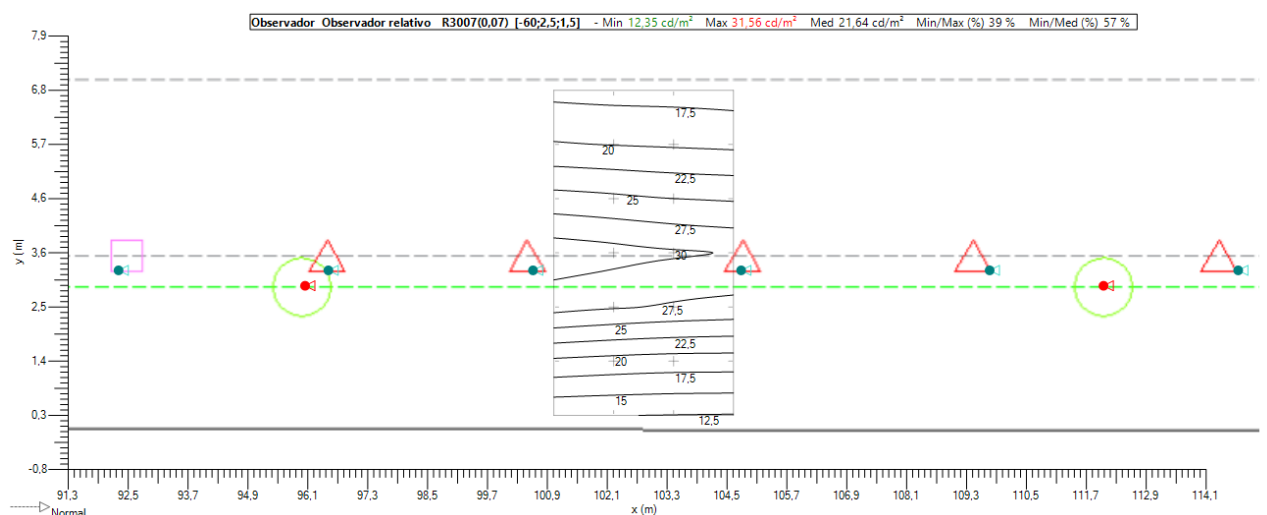
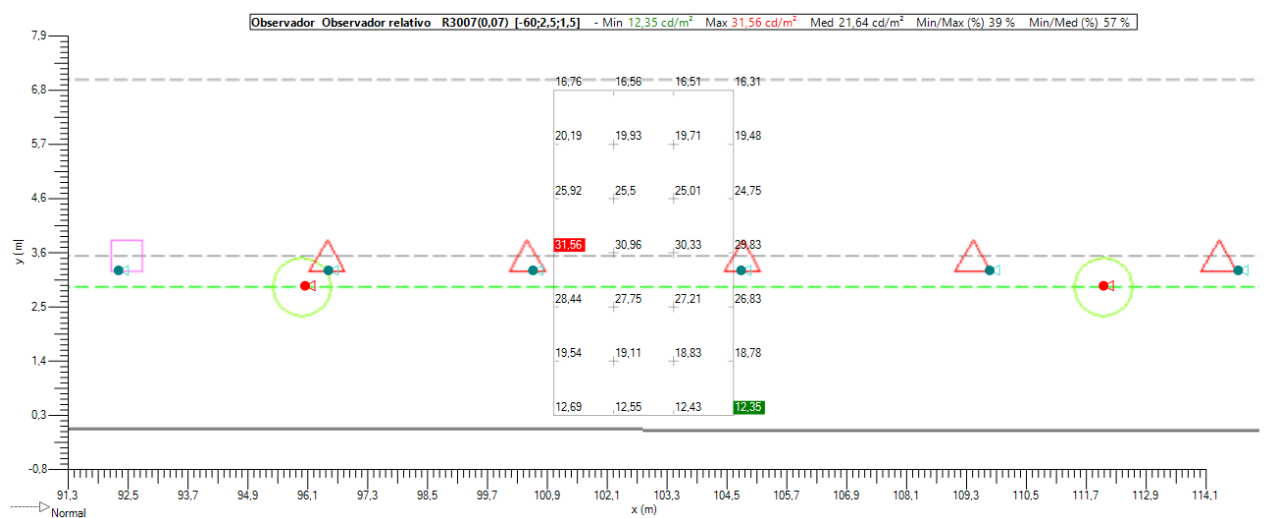


Sombreado

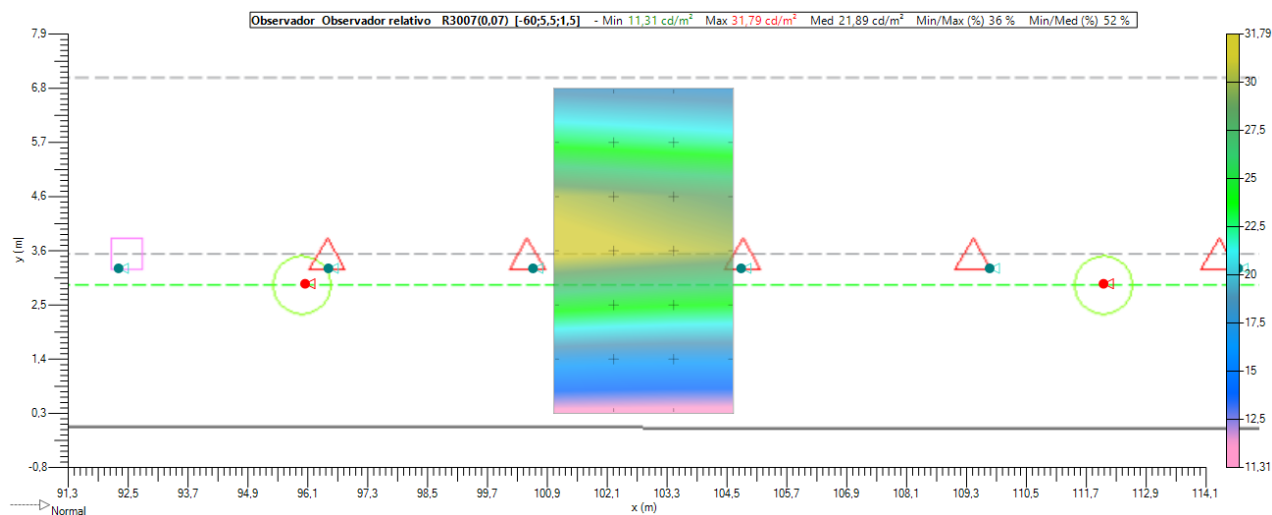
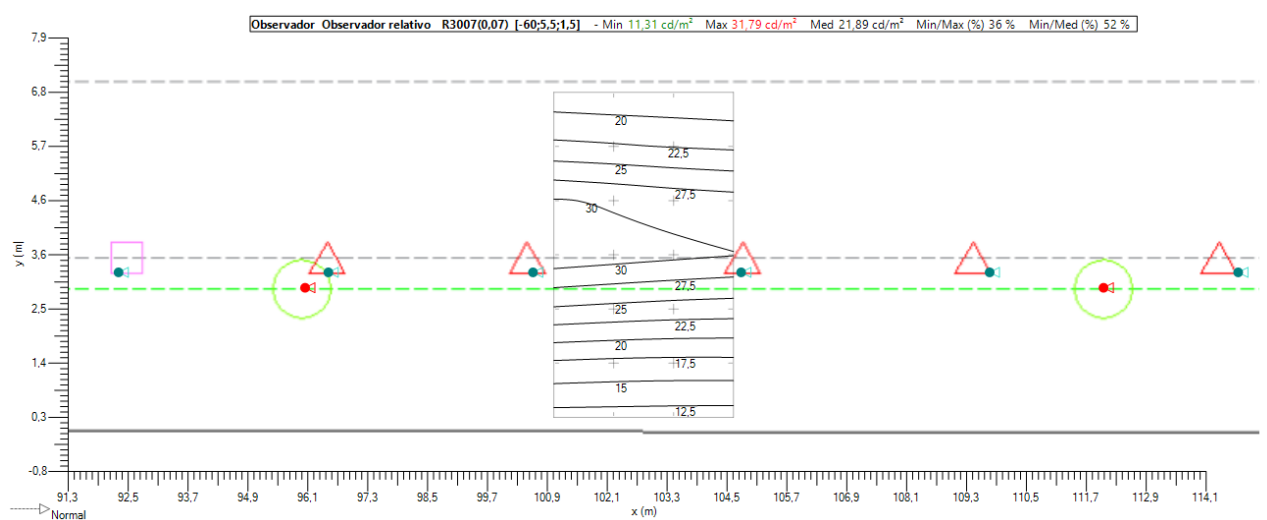
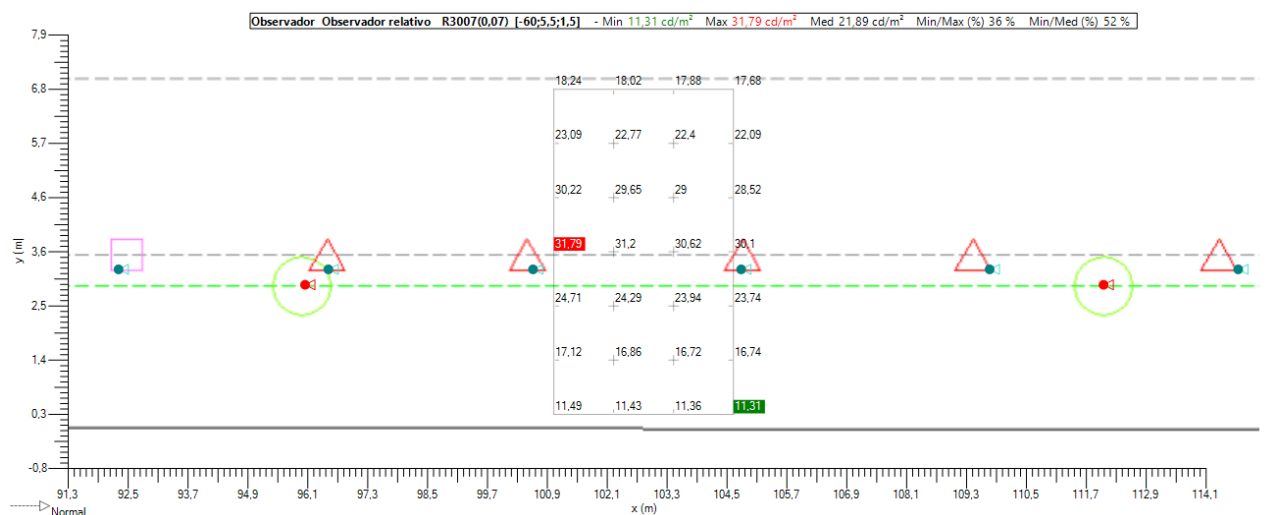


5.10. Luminância - Z. TRANSIÇÃO SUL - 2 - R3007

Z. TRANSIÇÃO SUL - 2 - Relative 1

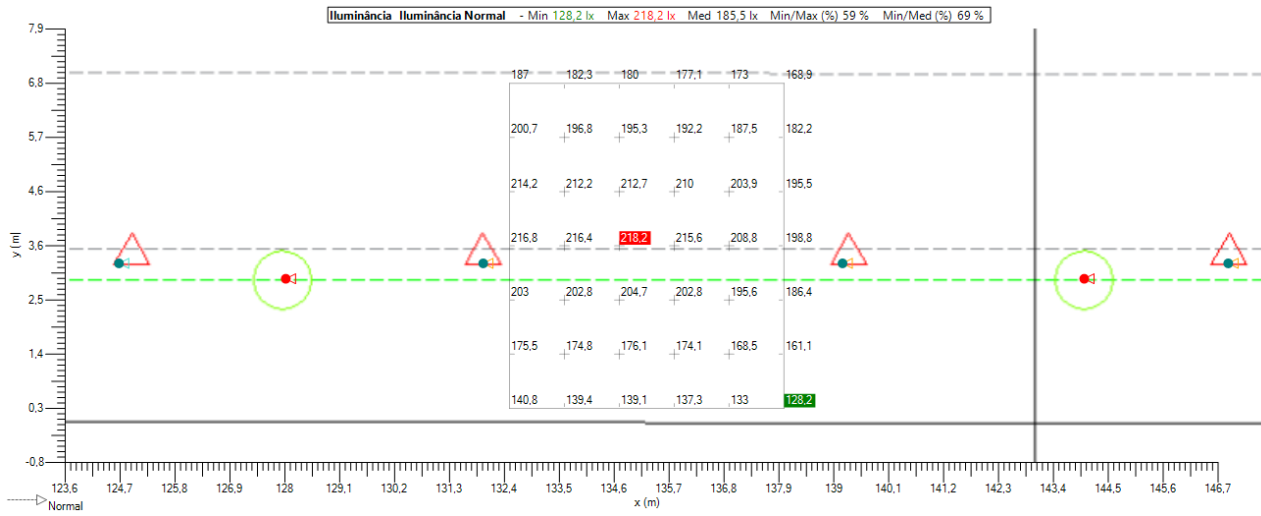


Z. TRANSIÇÃO SUL - 2 - Relative 2

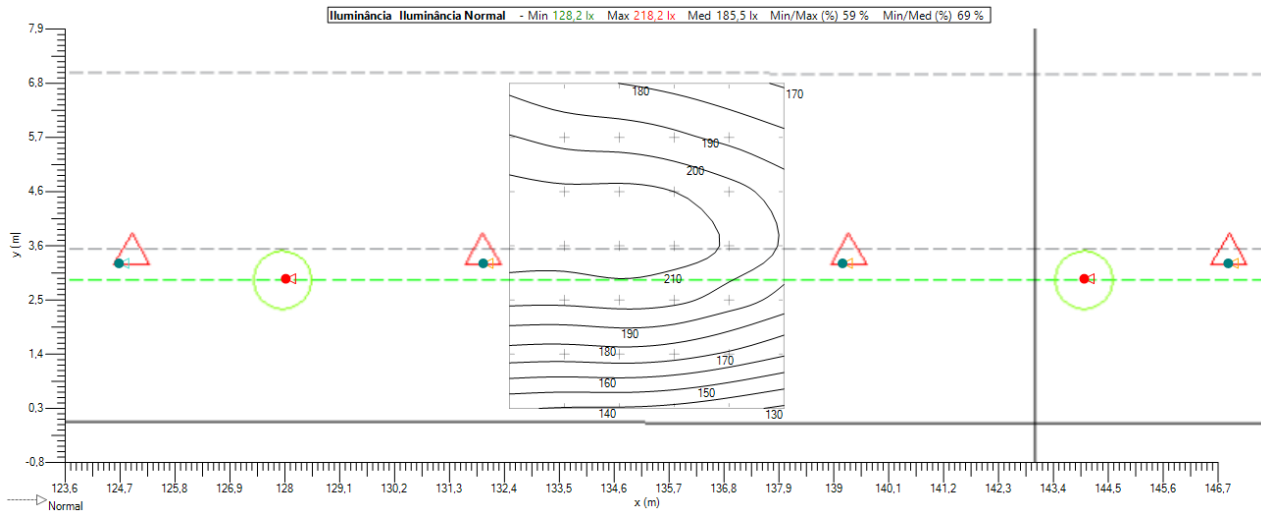


5.11. Z. TRANSIÇÃO SUL - 3 - Normal

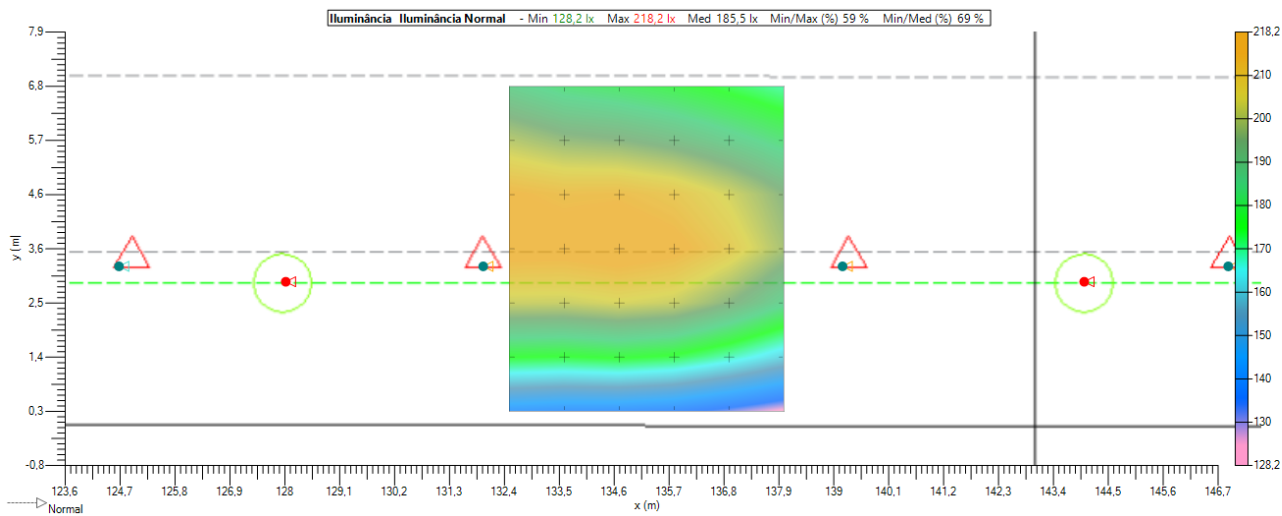
Resultados



Isolevel

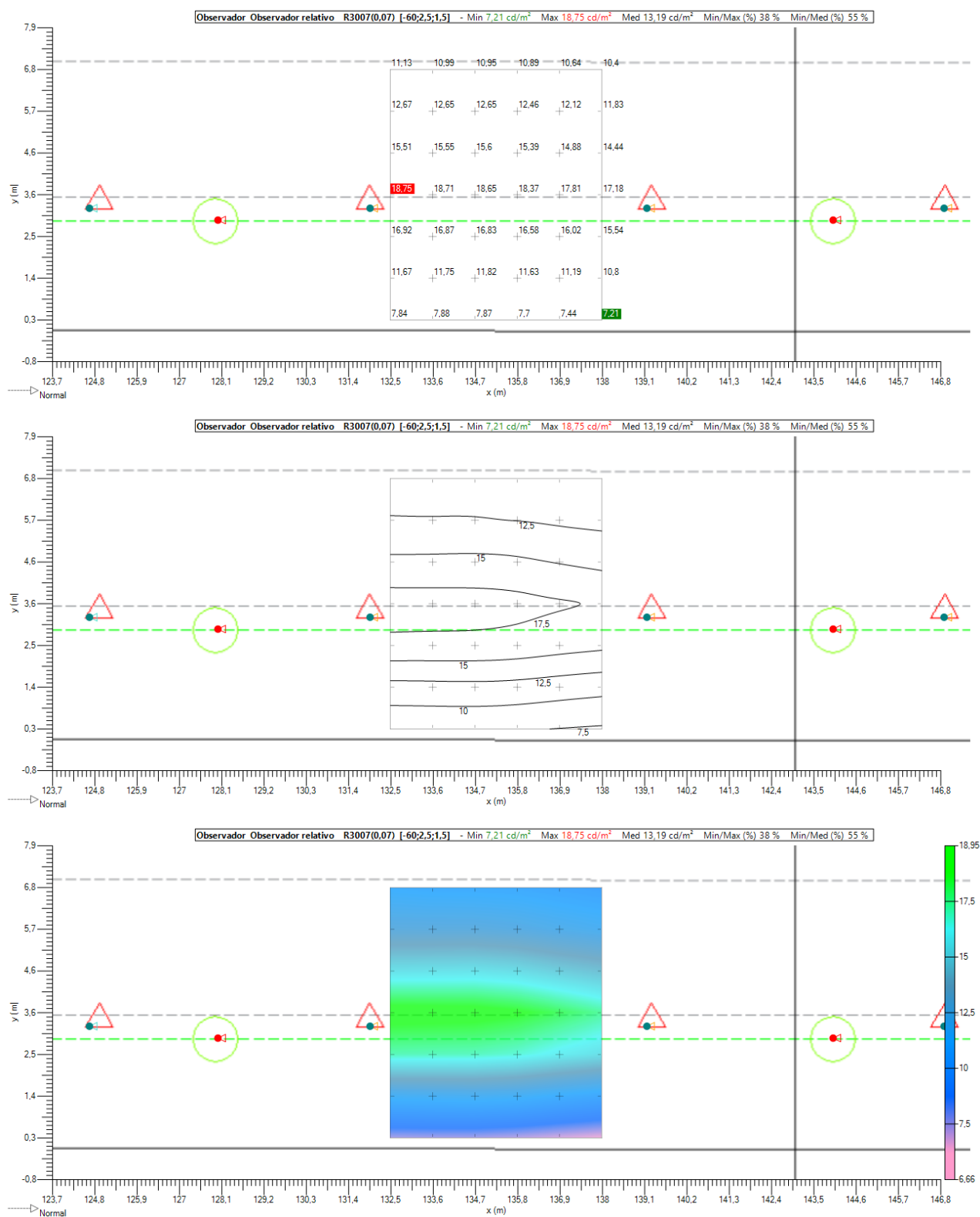


Sombreado

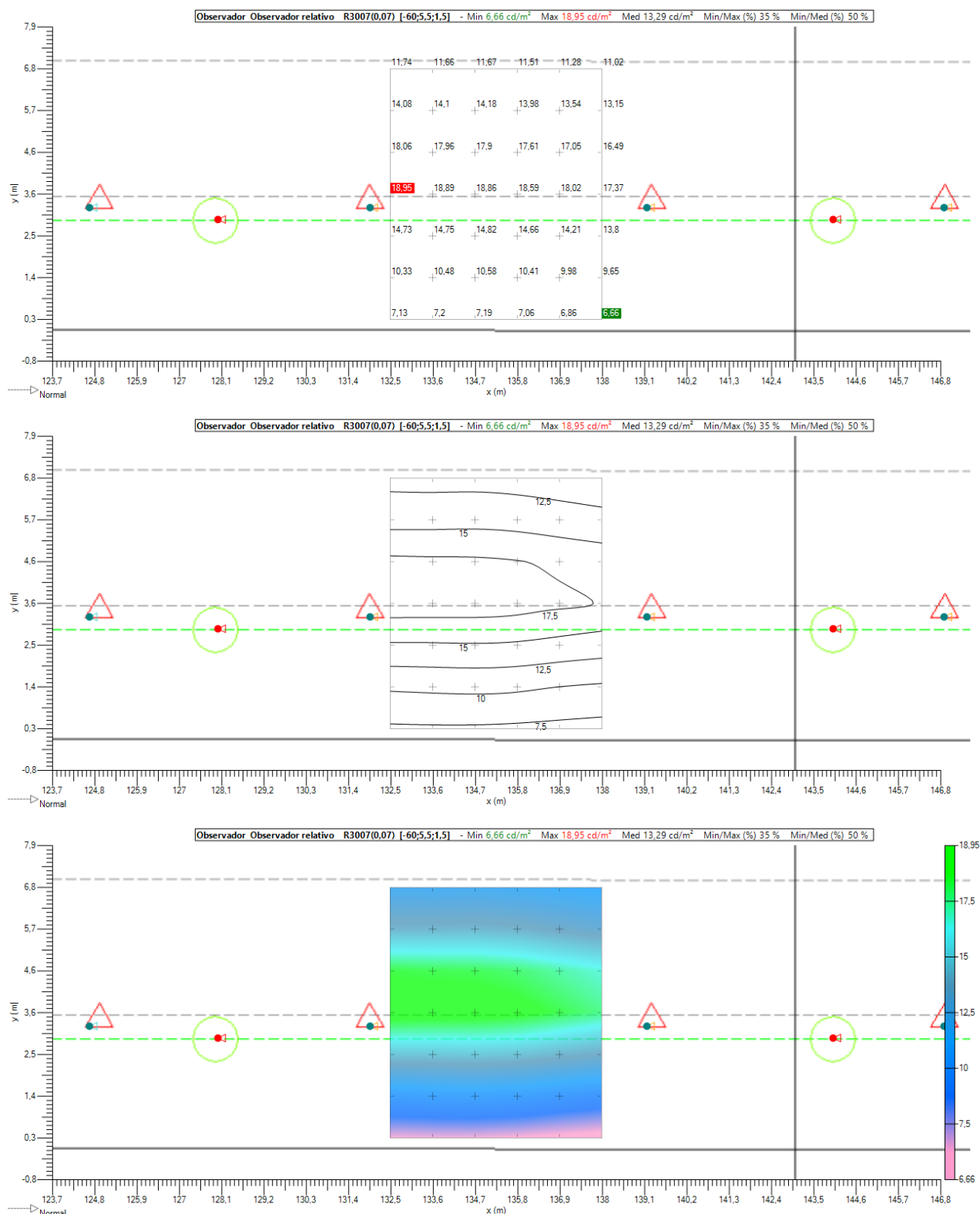


5.12. Luminância - Z. TRANSIÇÃO SUL - 3 - R3007

Z. TRANSIÇÃO SUL - 3 - Relative 1

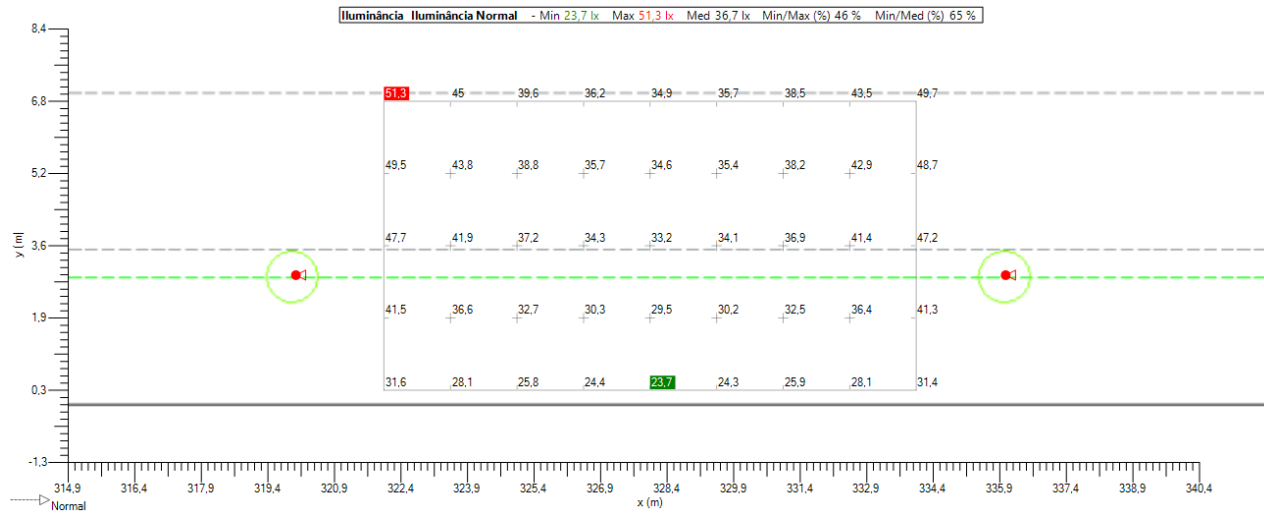


Z. TRANSIÇÃO SUL - 3 - Relative 2

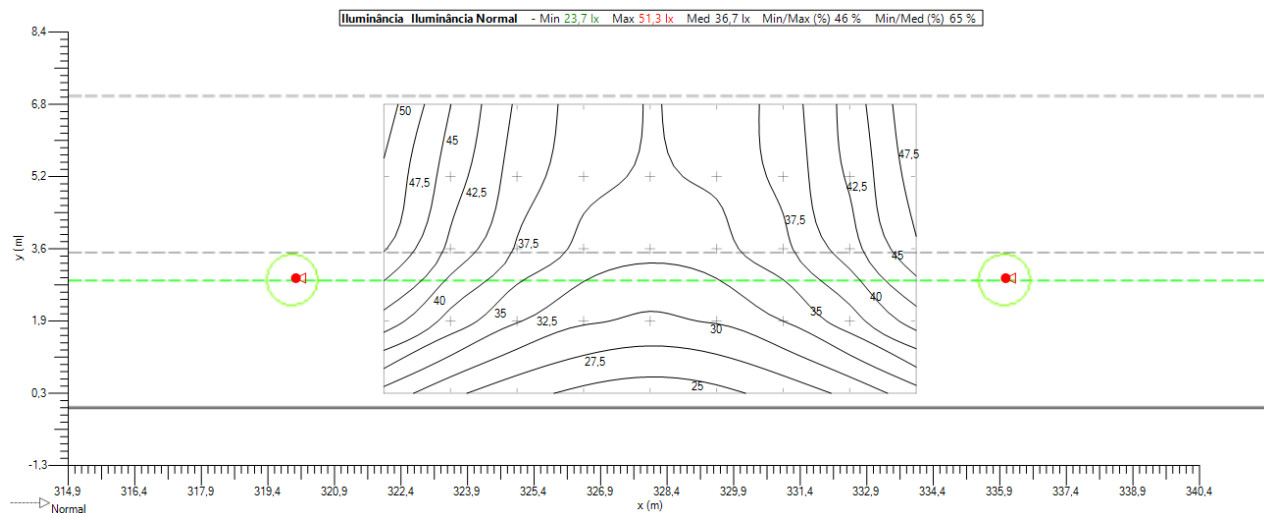


5.13. Z. INTERIOR - Normal

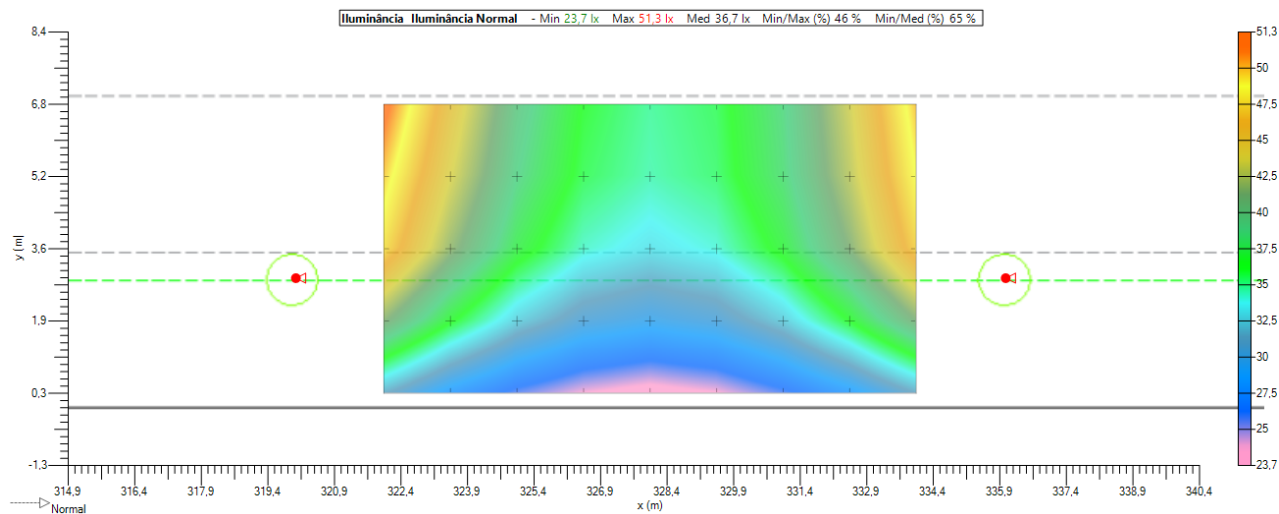
Resultados



Isolevel

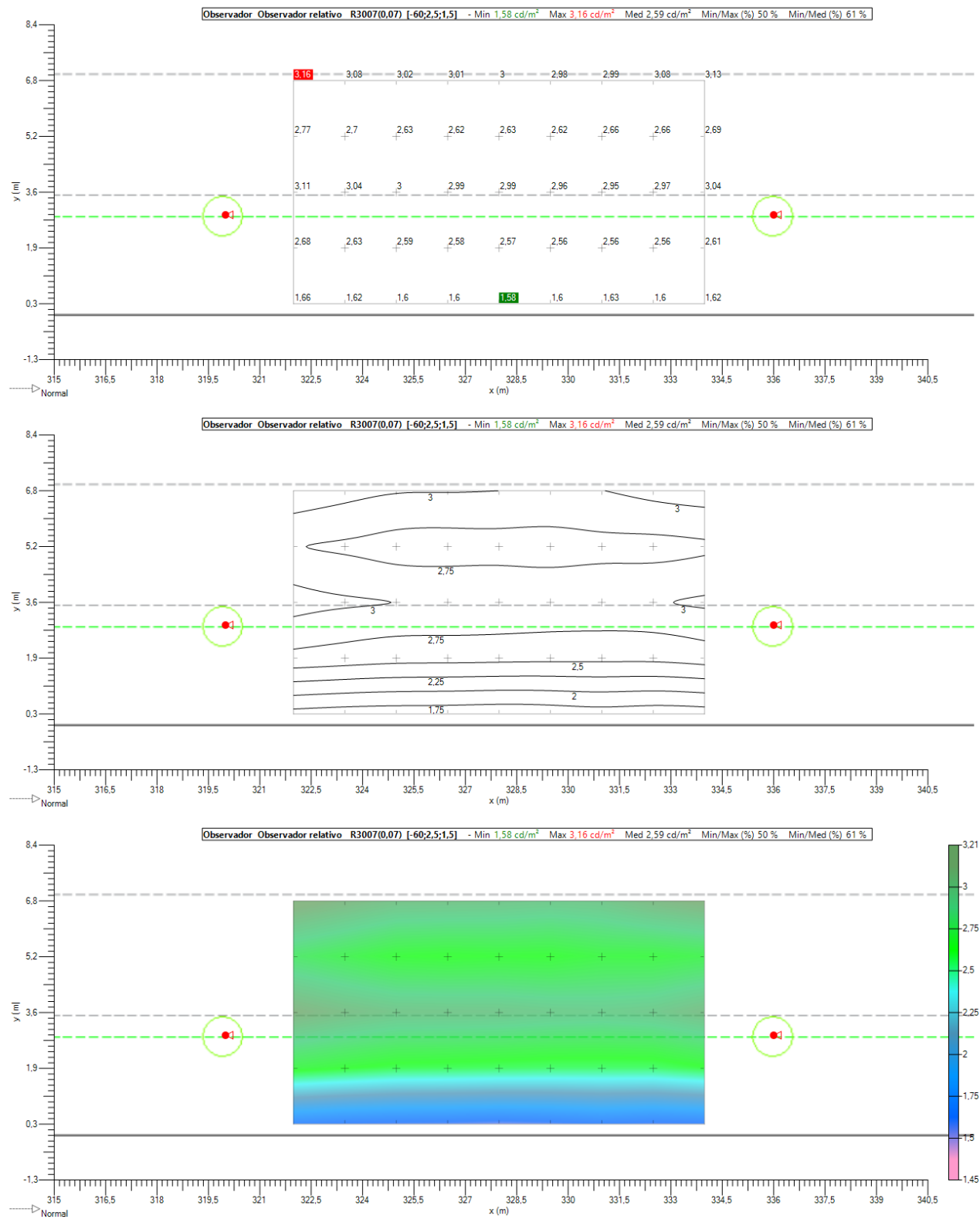


Sombreado

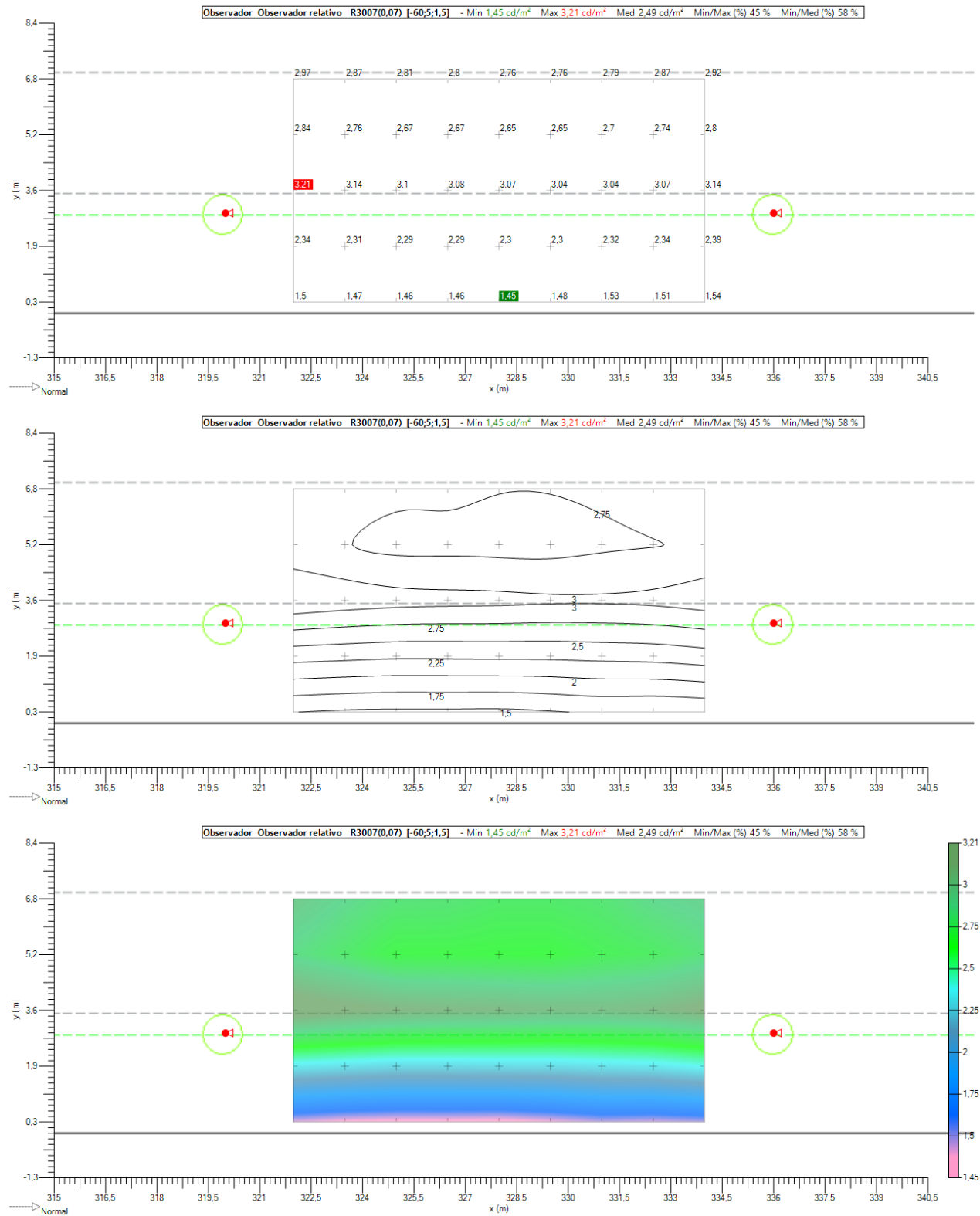


5.14. Luminância - Z. INTERIOR - R3007

Z. INTERIOR - Relative 1

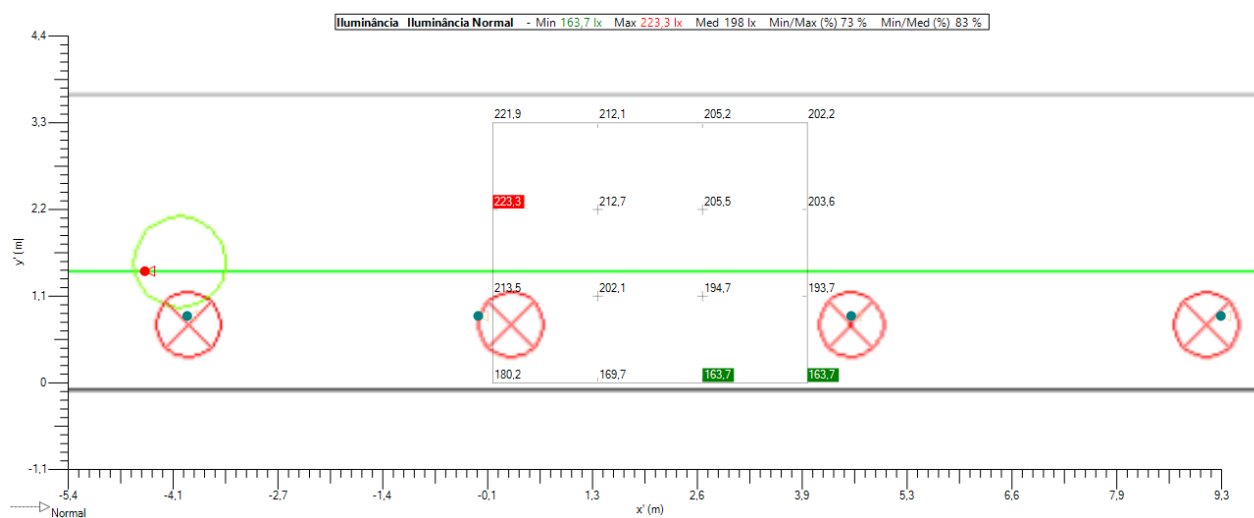


Z. INTERIOR - Relative 2

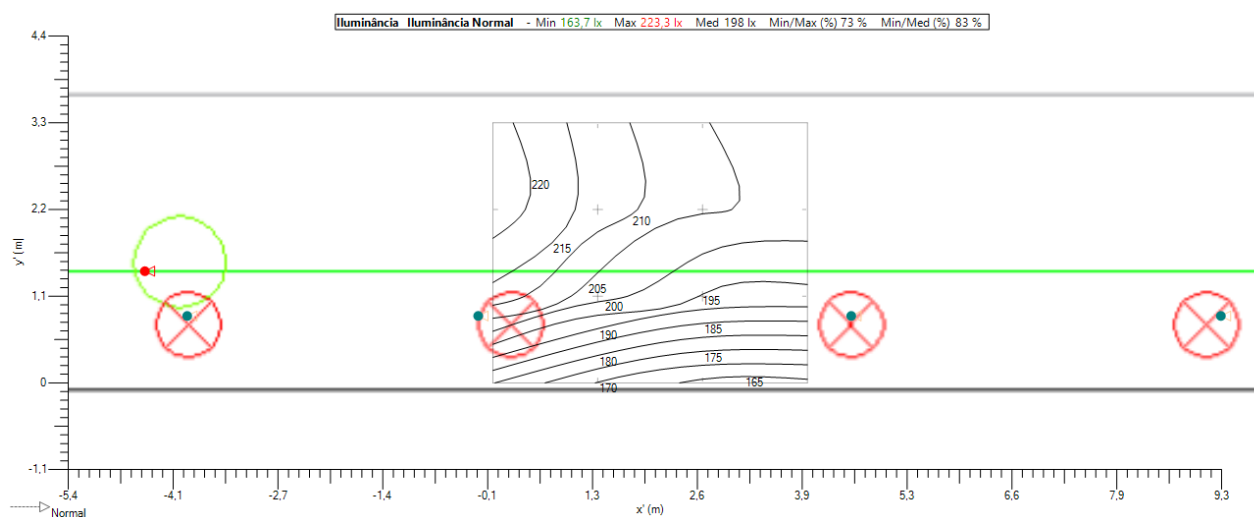


5.15. Z. TRANSIÇÃO NORTE - 3 - Normal

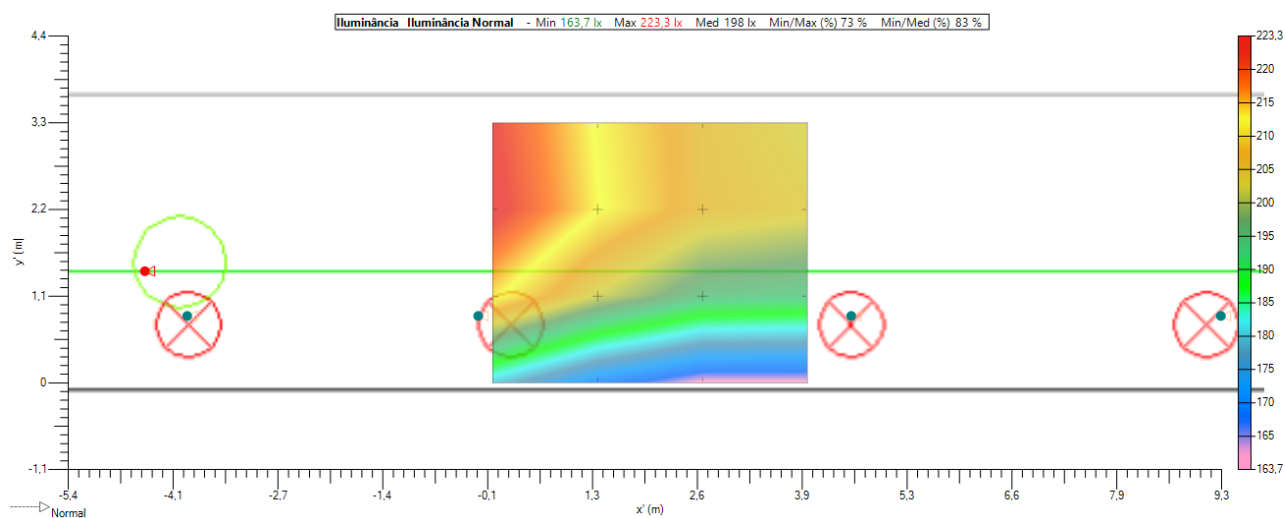
Resultados



Isolevel

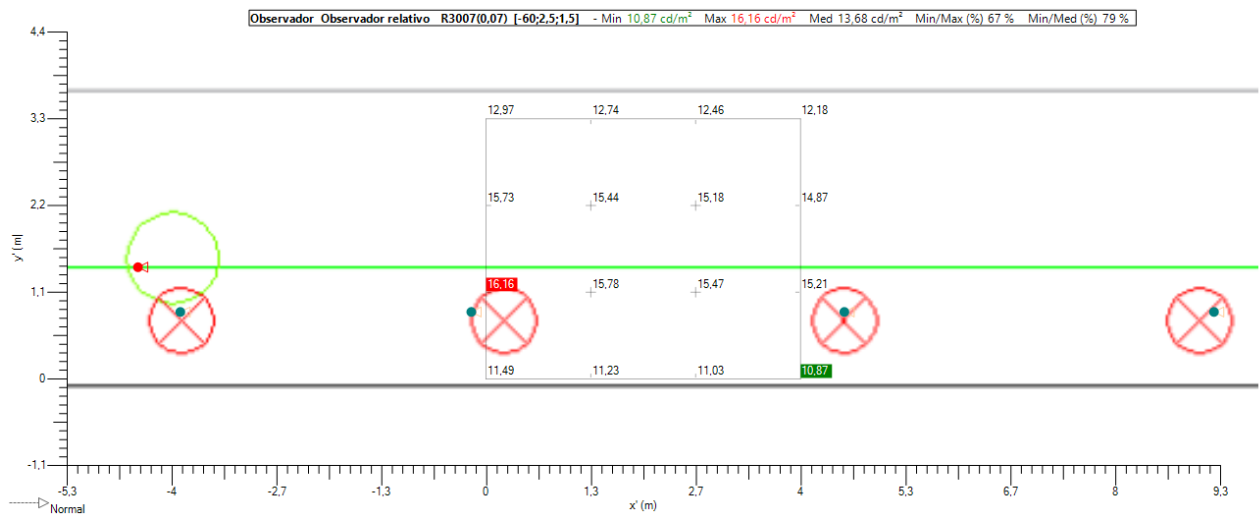


Sombreado

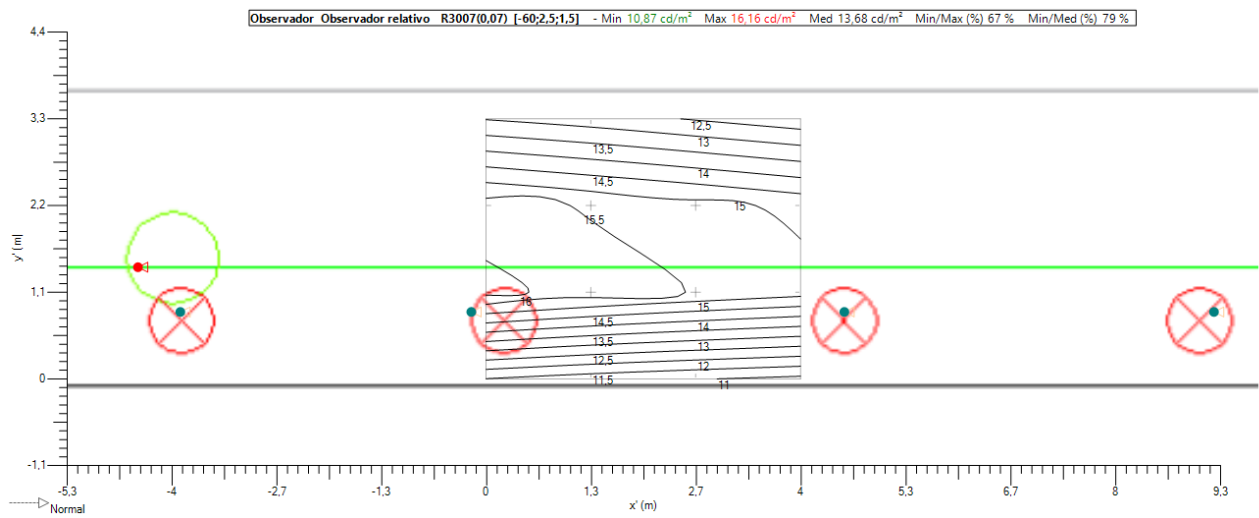


5.16. Z. TRANSIÇÃO NORTE - 3 - Luminance RTable - Relative 1

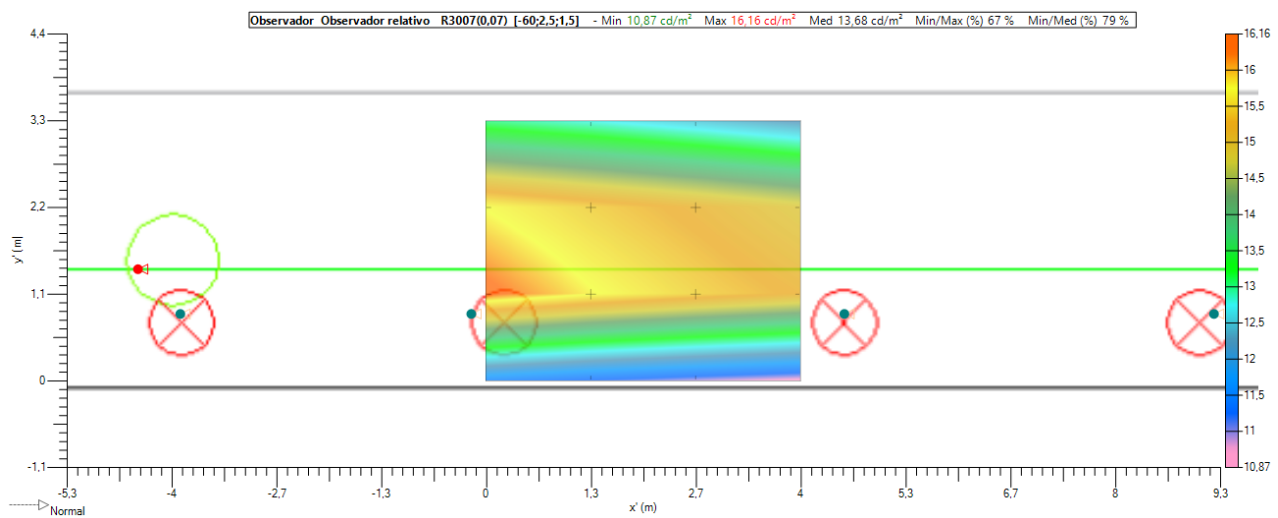
Resultados

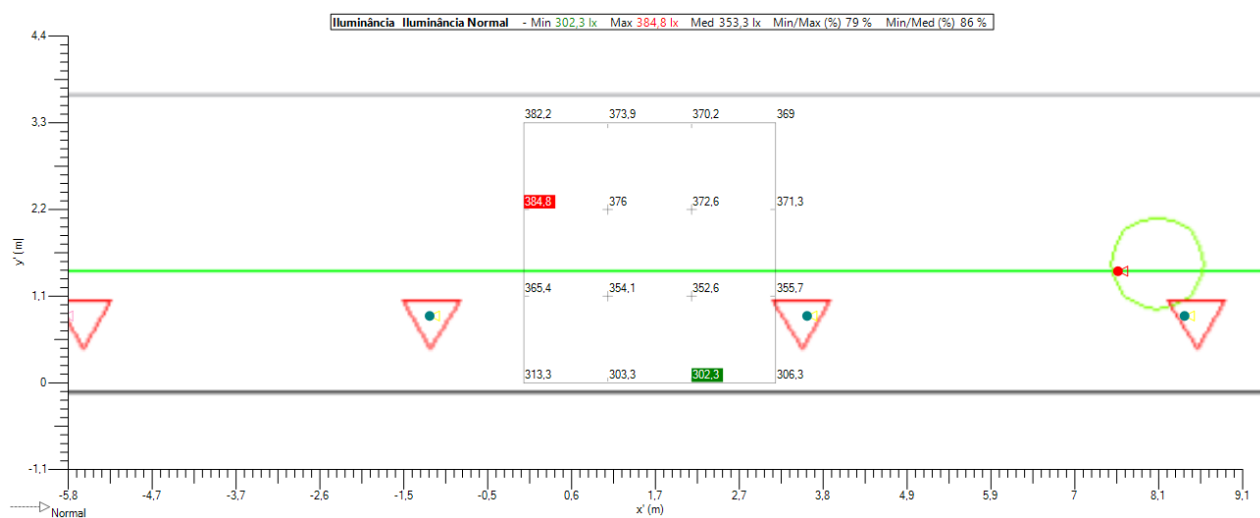
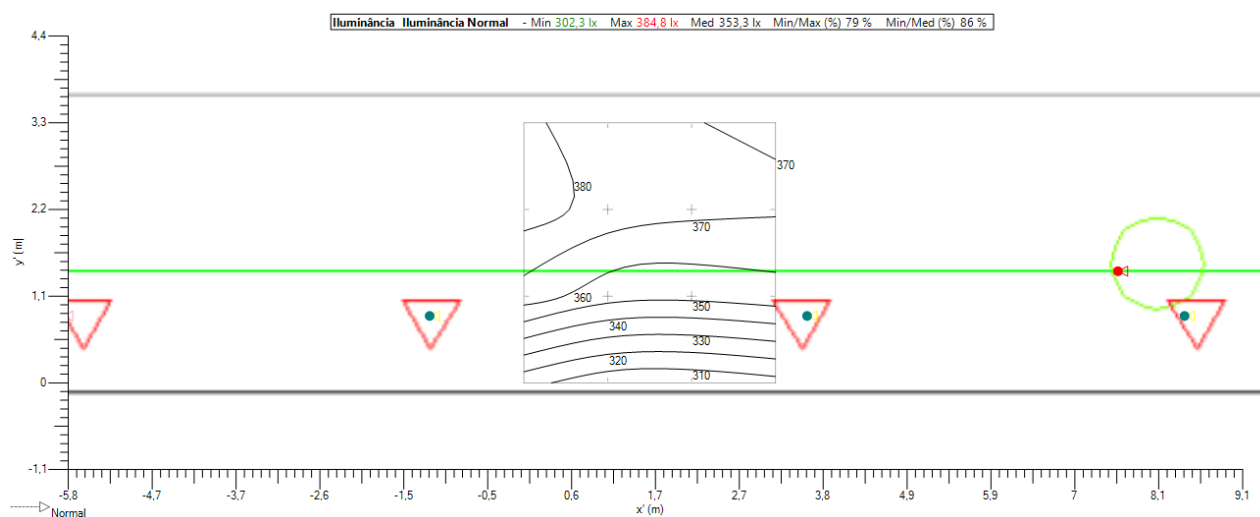
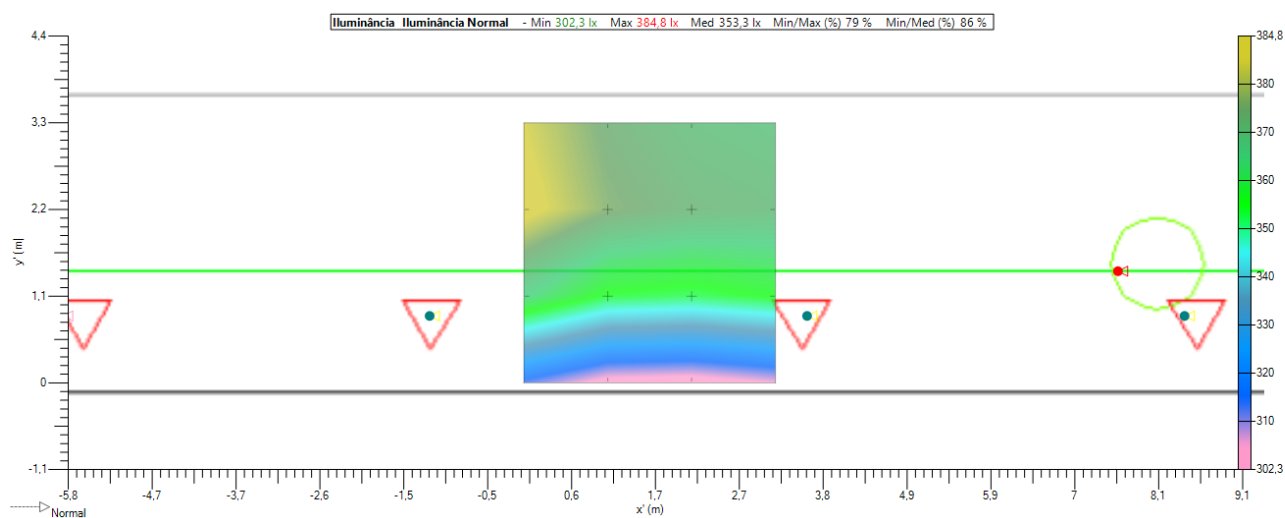


Isolevel



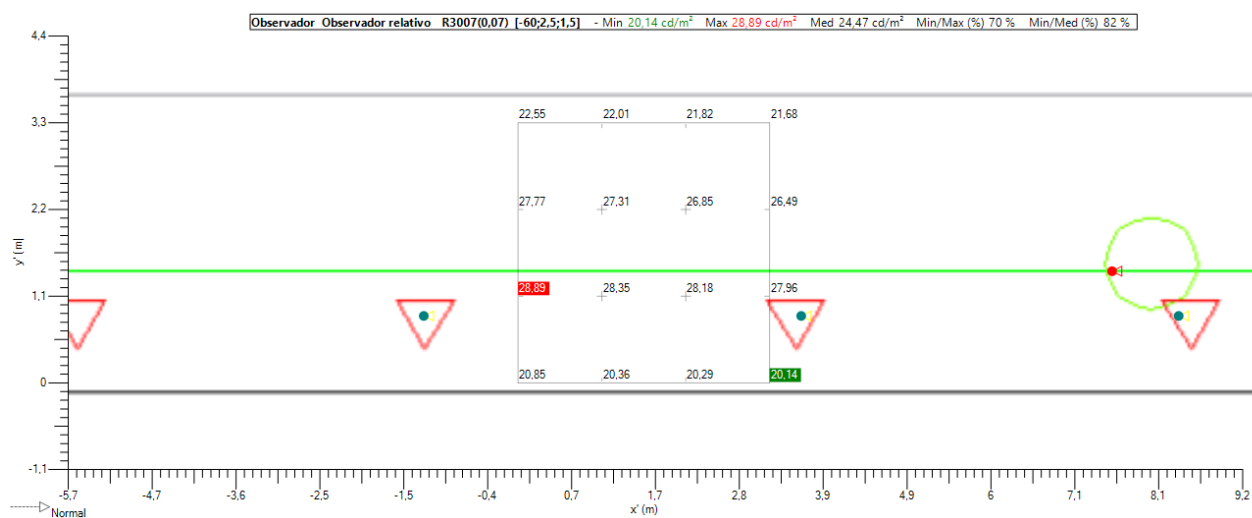
Sombreado



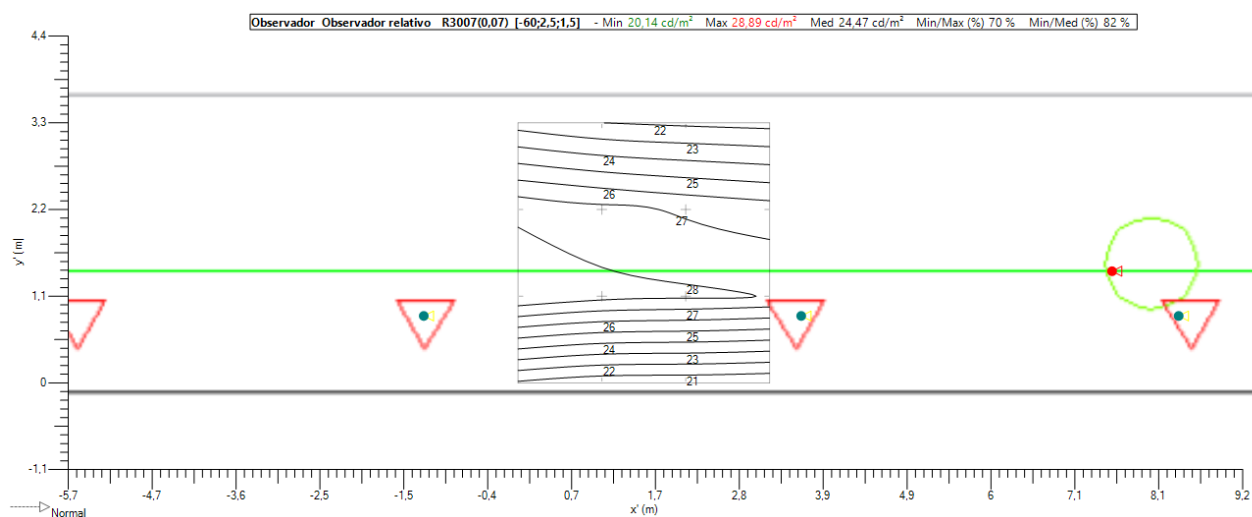
5.17. Z. TRANSIÇÃO NORTE - 2 - Normal**Resultados****Isolevel****Sombreado**

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

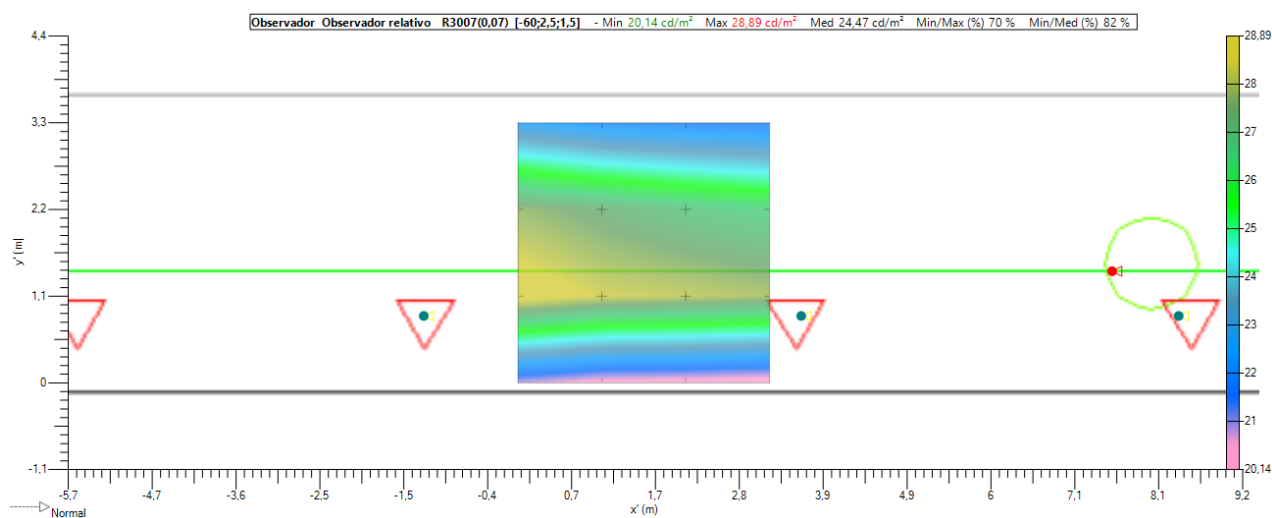
Resultados



Isolevel

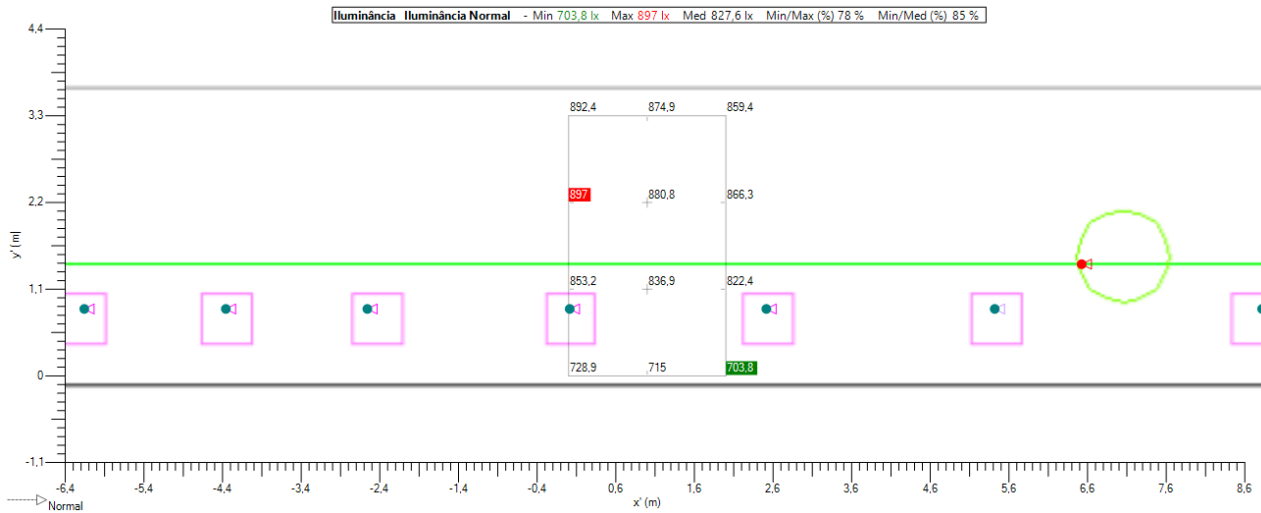


Sombreado

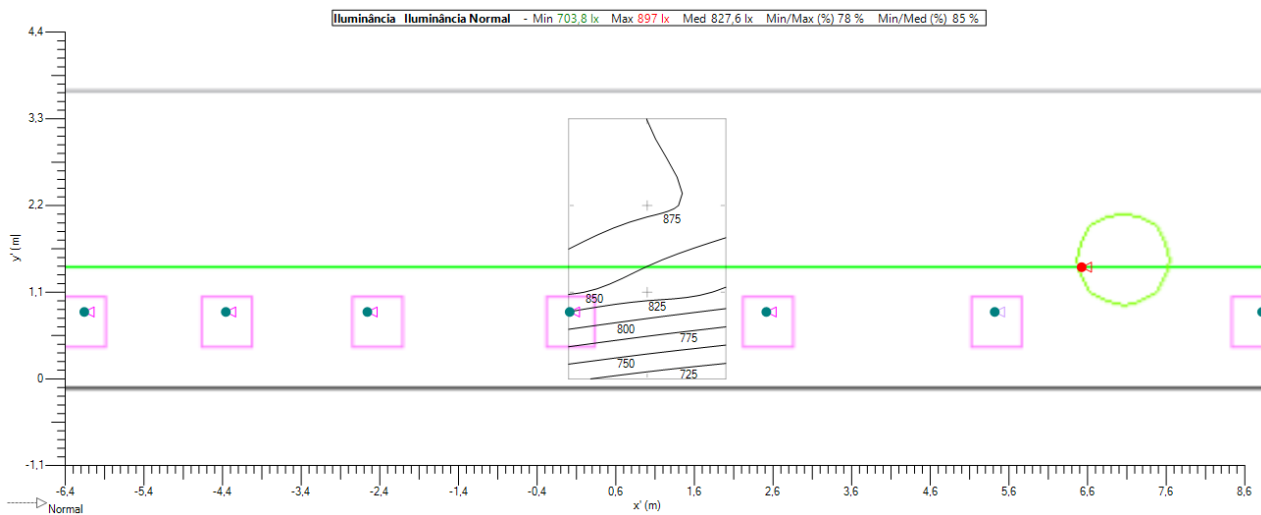


5.19. Z. TRANSIÇÃO NORTE - 1 - Normal

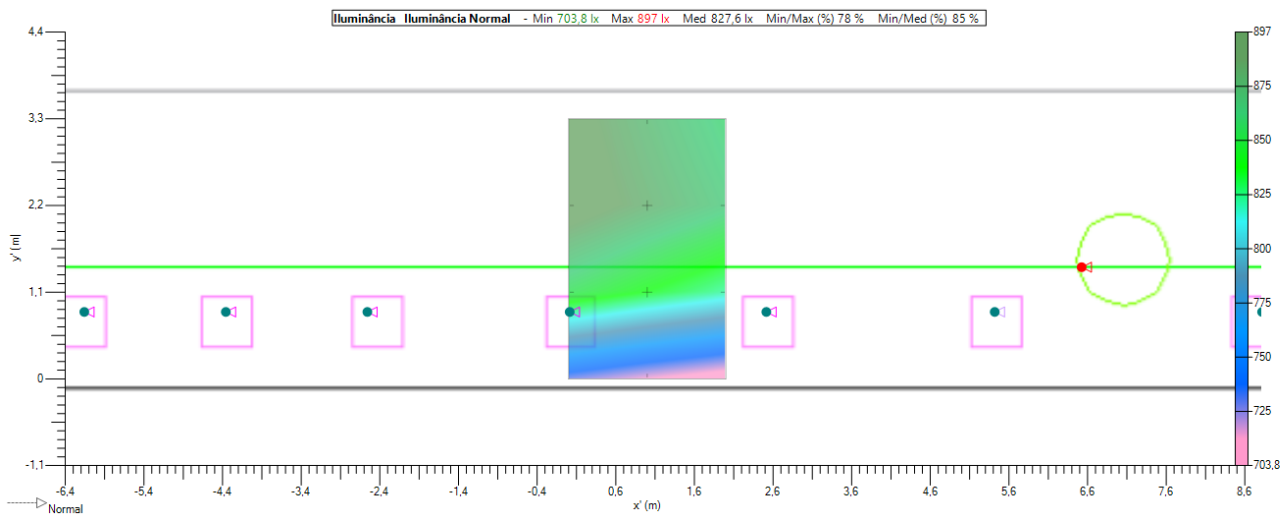
Resultados



Isolevel

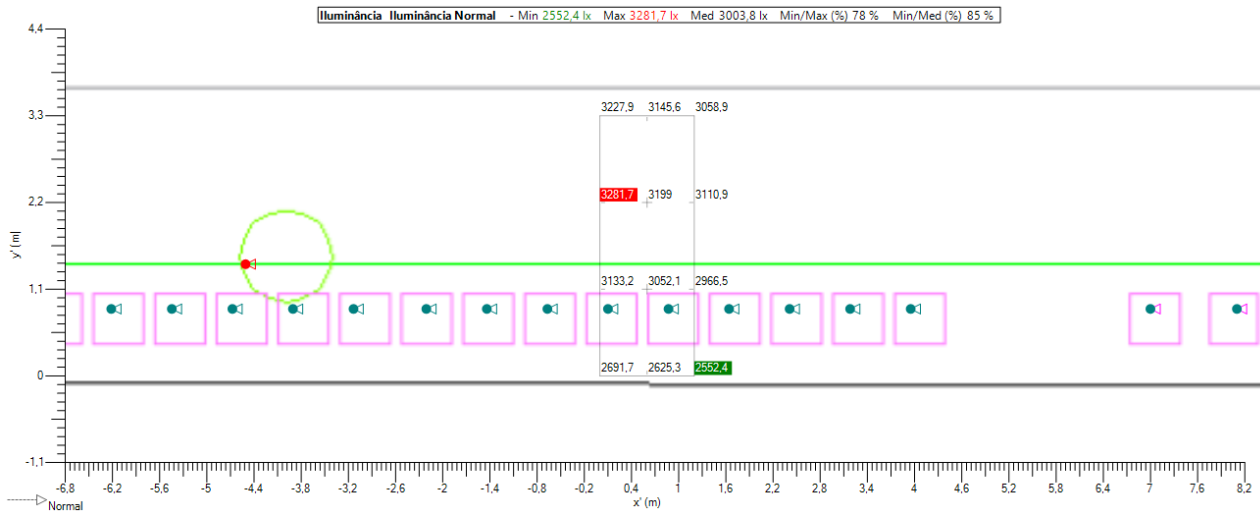


Sombreado

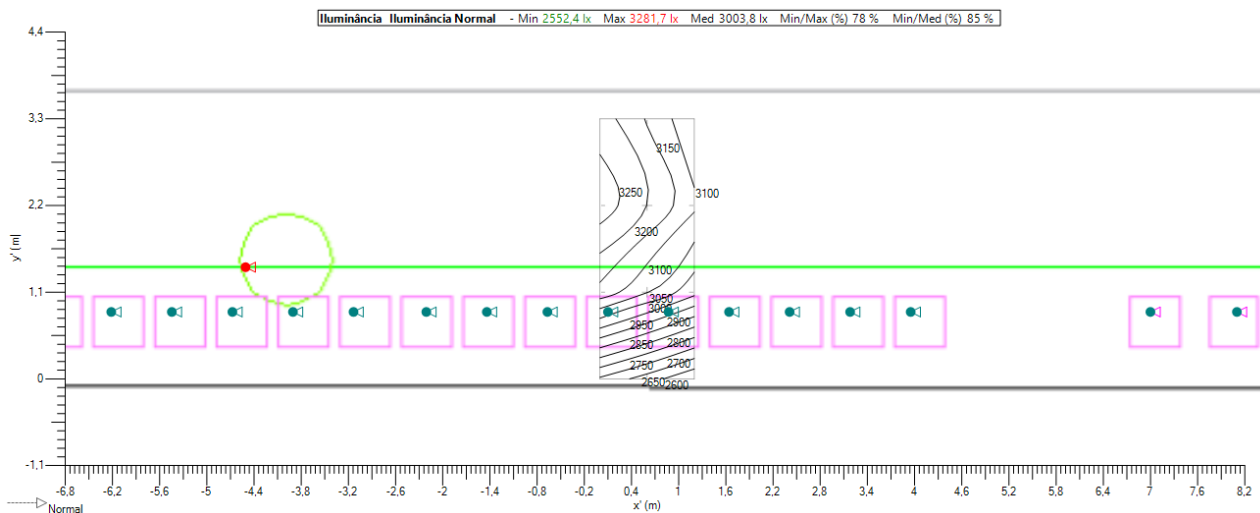


5.21. Z. ENTRADA NORTE_2 - Normal

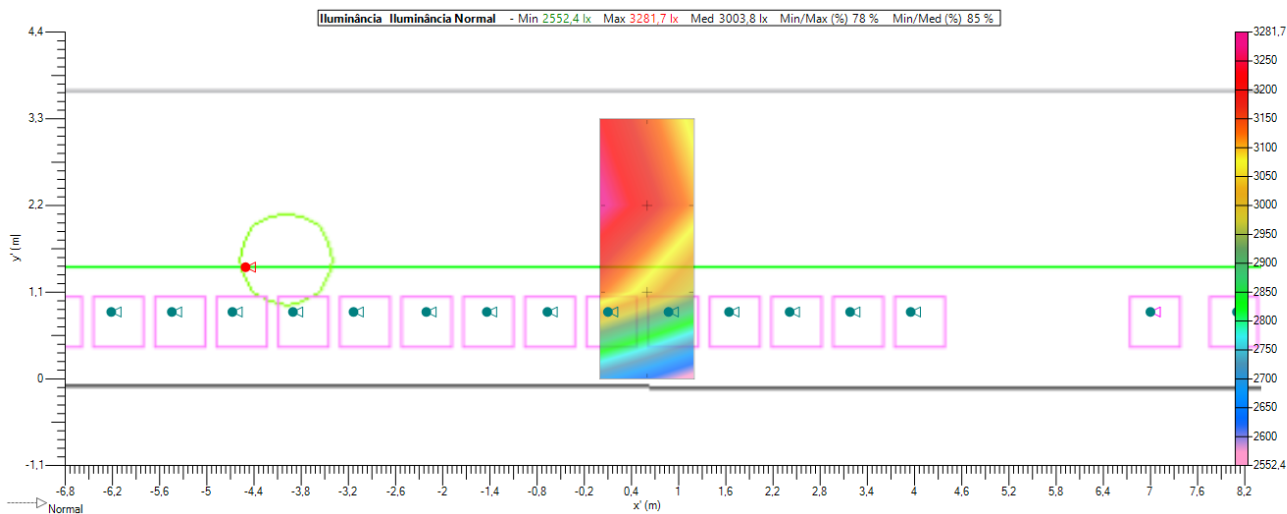
Resultados



Isolevel

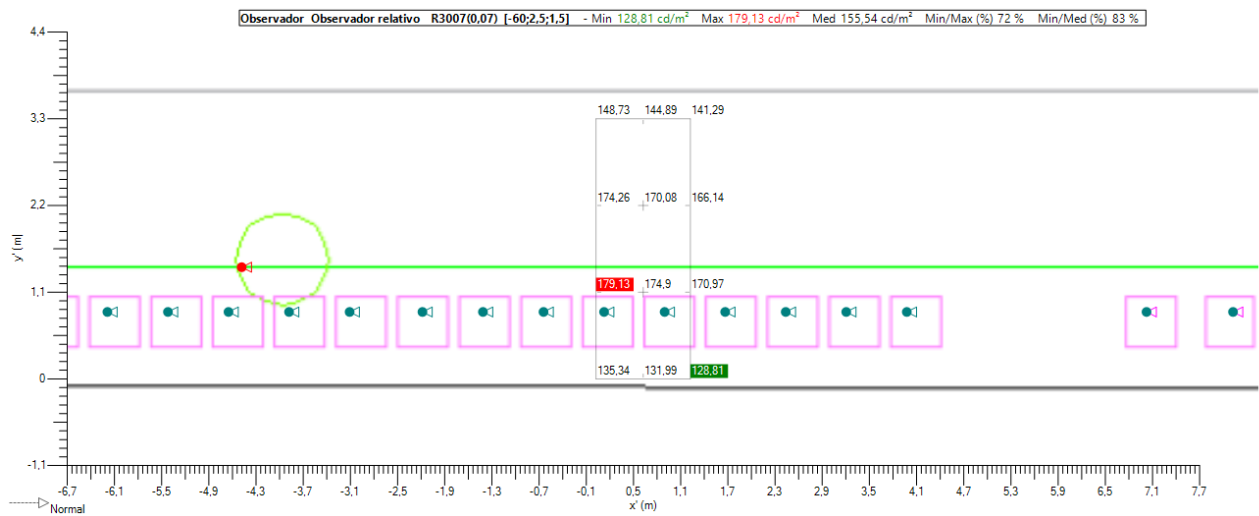


Sombreado

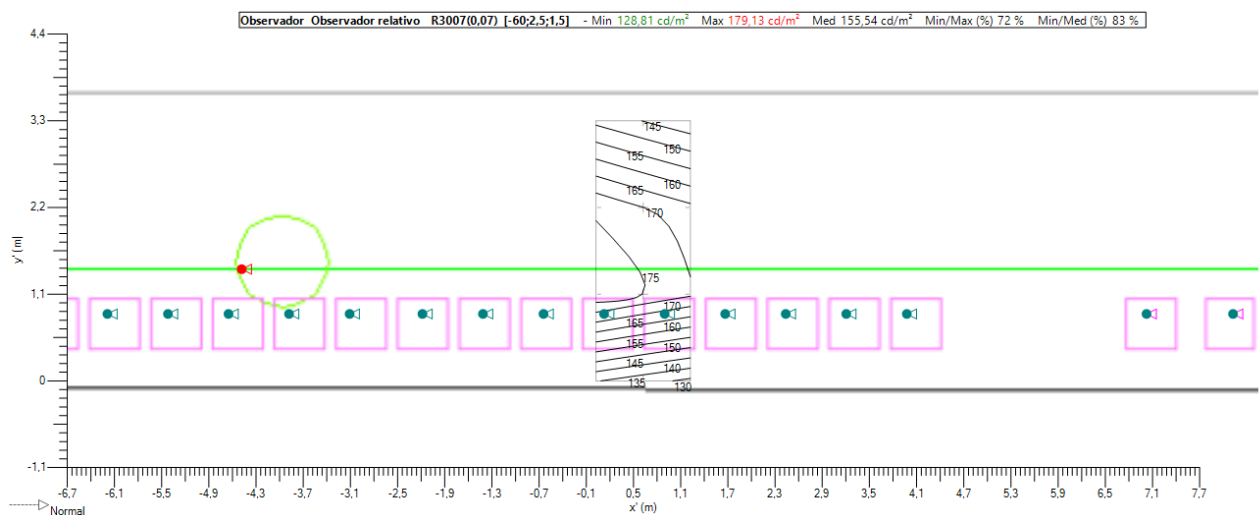


5.22. Z. ENTRADA NORTE_2 - Luminance RTable - Relative 1

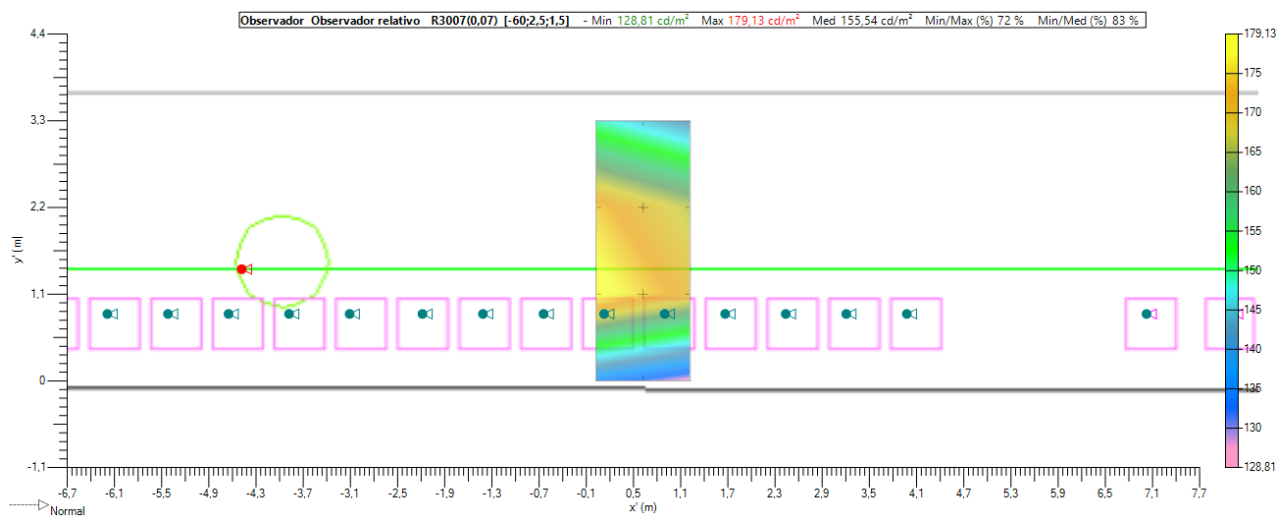
Resultados



Isolevel

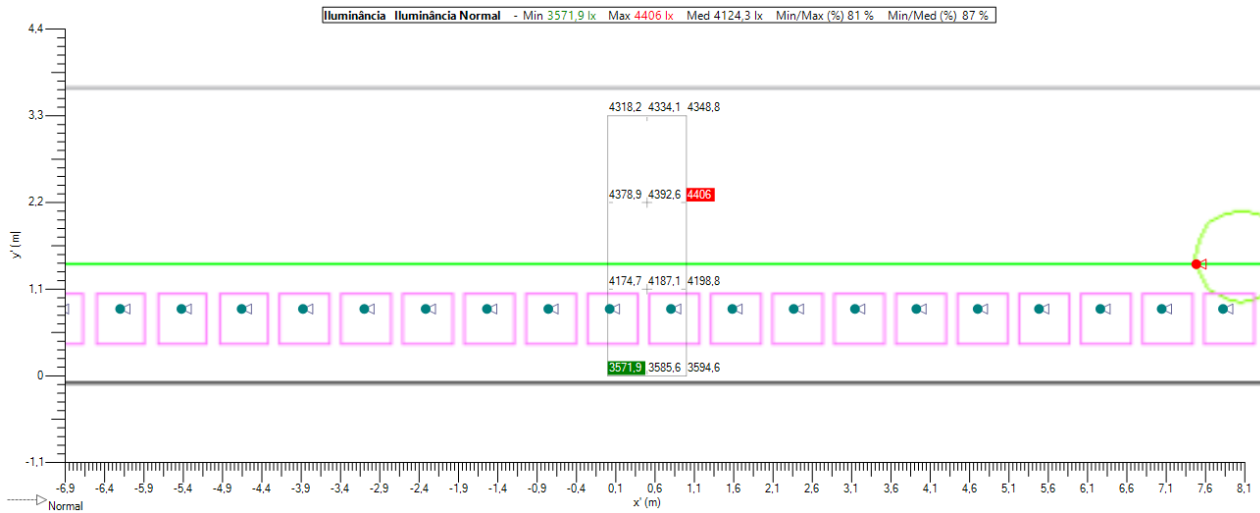


Sombreado

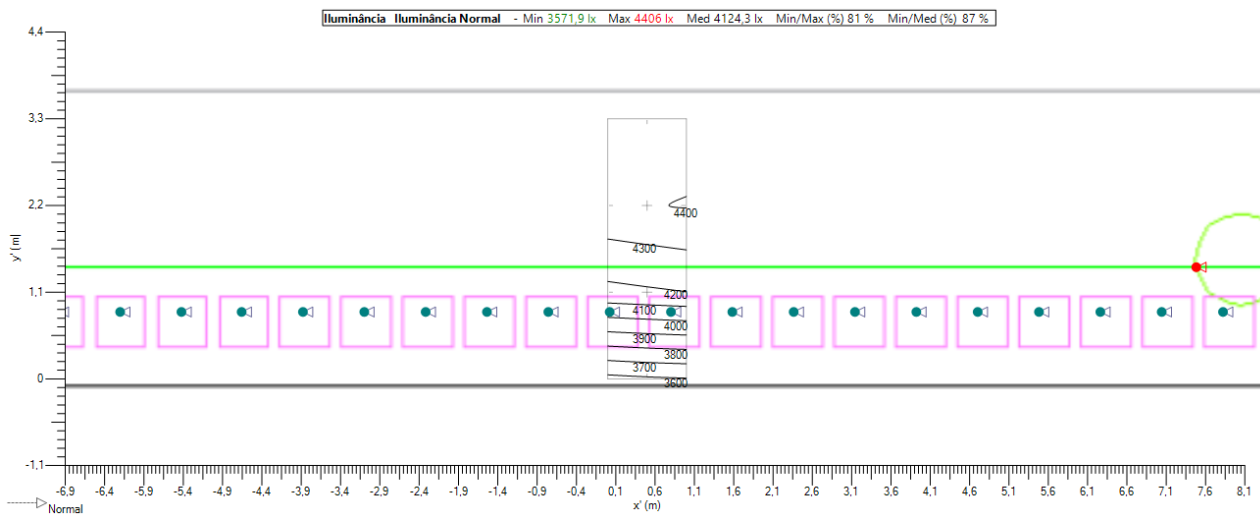


5.23. Z. ENTRADA NORTE_1 - Normal

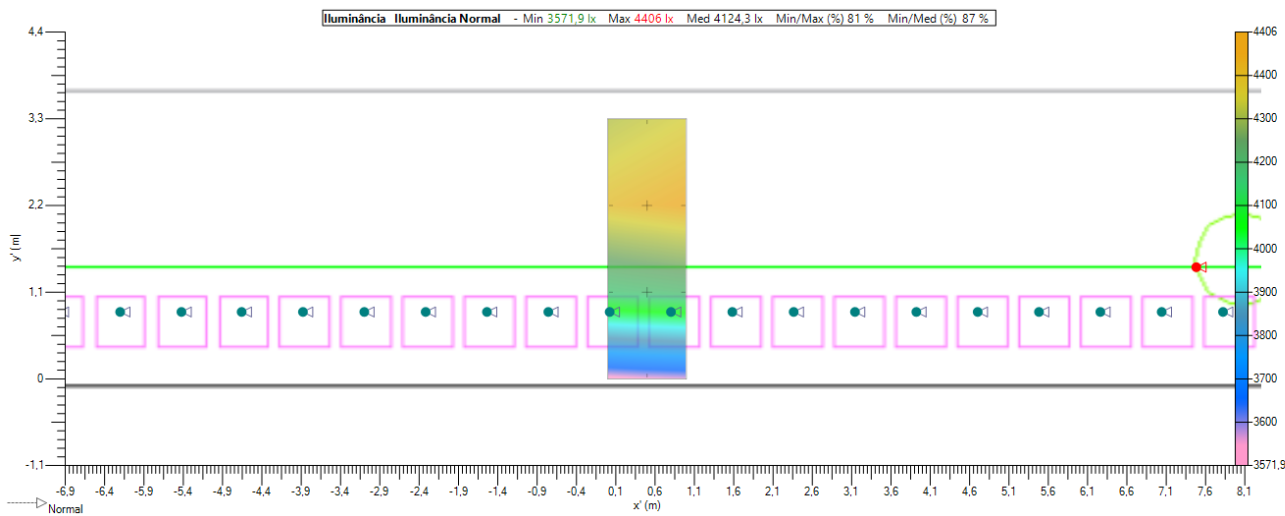
Resultados



Isolevel

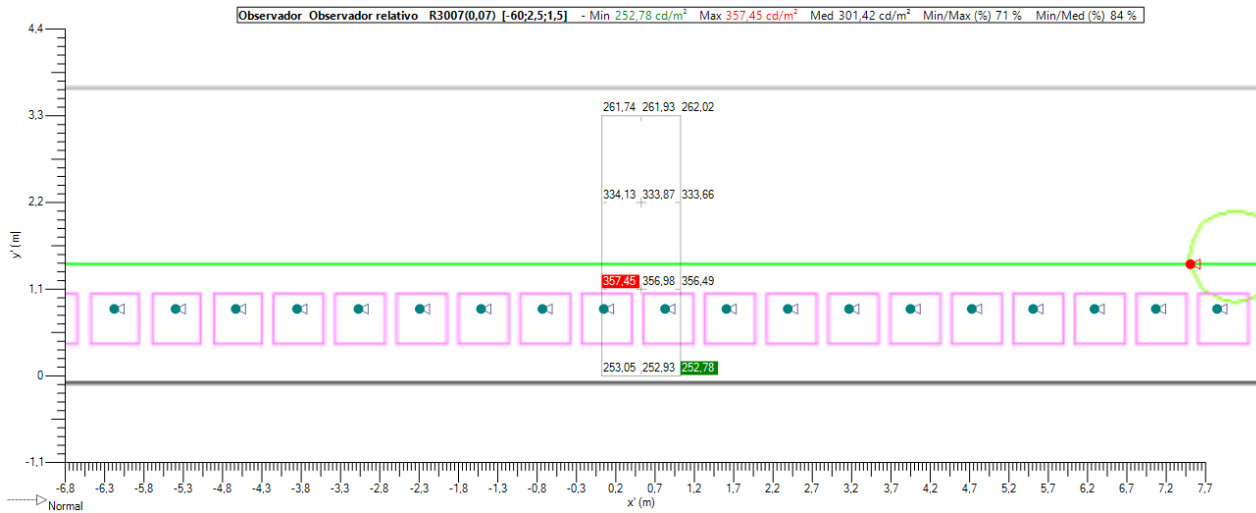


Sombreado

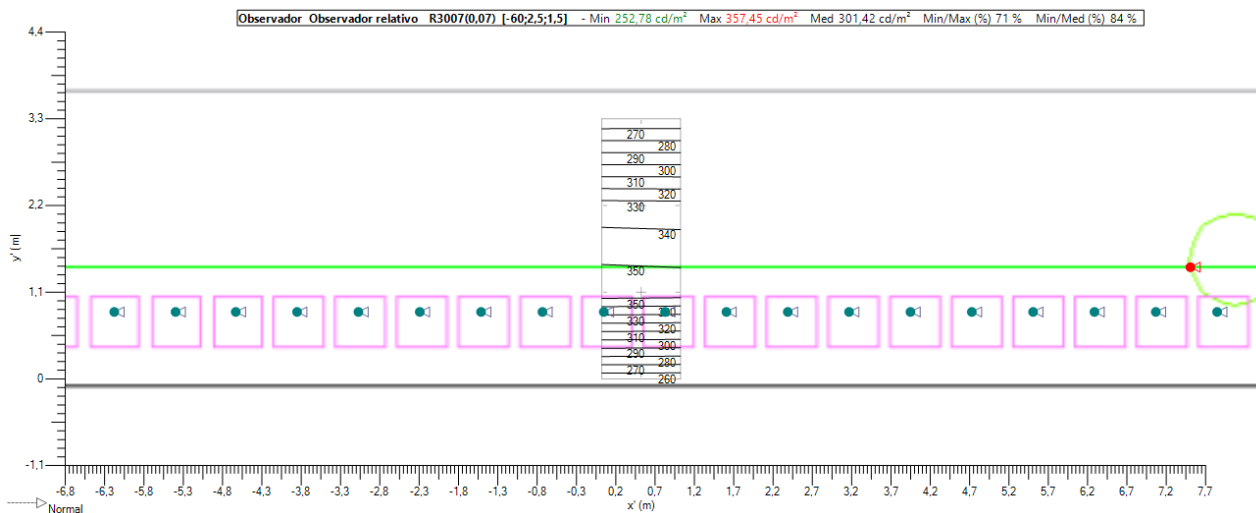


5.24. Z. ENTRADA NORTE_1 - Luminance RTable - Relative 1

Resultados



Isolevel



Sombreado

