

TÚNEL DO CURRAL DAS FREIRAS

Data 02/11/2020

Application Ulysse 3.4.8

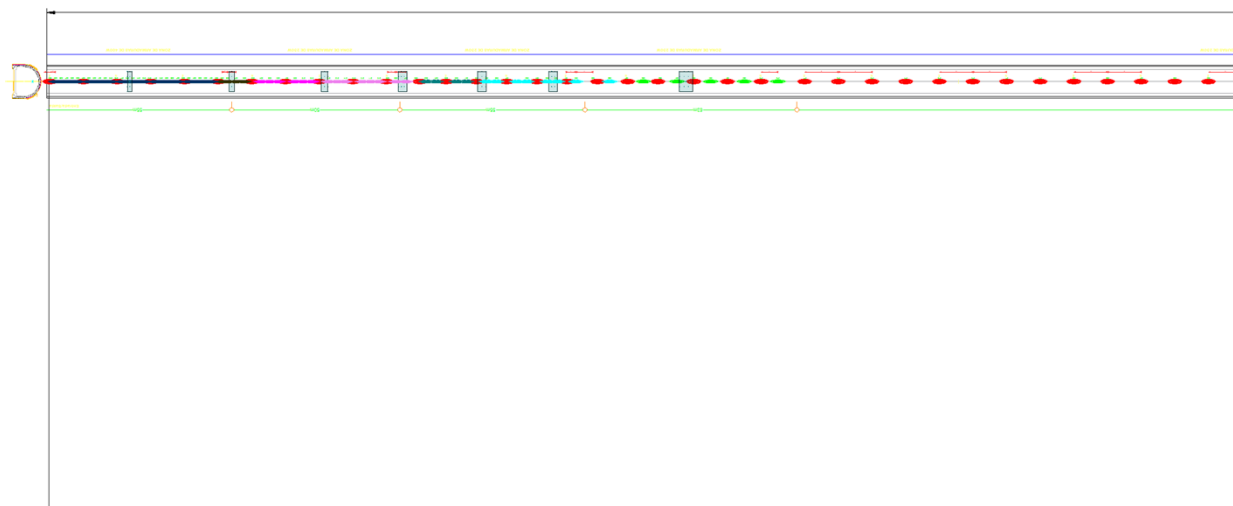
Description REG. DIURNO - ENTRADA OESTE

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1. Vistas

1.1. Snapshot item



2. Equipamentos

2.1. GL2 Compact 2 32 LEDs 350mA NW740 740 Plano(a), Vidro extra claro, Liso 5102 Simétrico 33631S

Tipo GL2 Compact 2

Reflector 5102

Fonte 32 LEDs 350mA NW740 740

Protector Plano(a), Vidro extra claro, Liso

Regulação Simétrico

Fluxo nominal 5,856 klm

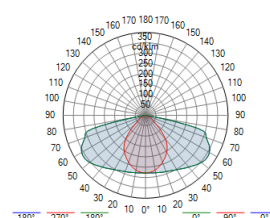
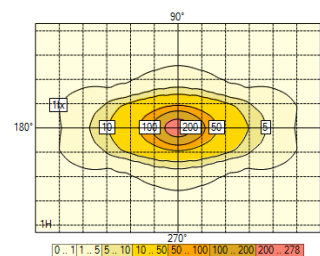
Potência 35,2 W

FM 0,85

Matriz 33631S

Fluxo luminária 5,016 klm

Eficácia 143 lm/W



2.2. TFLEX COMBI 5302 160 LH351C 800mA NW 740 408W 45508S Flat glass SY 230V TF

Tipo TFLEX COMBI 5302 Flat glass Symmetrical ...

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

Fluxo nominal 50,015 klm

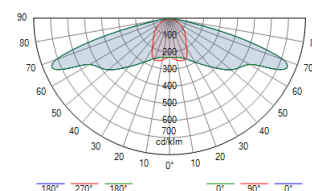
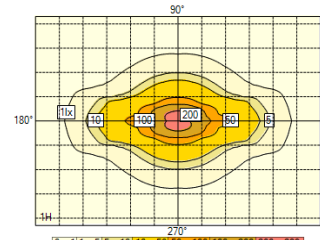
Potência 408,0 W

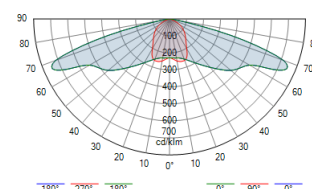
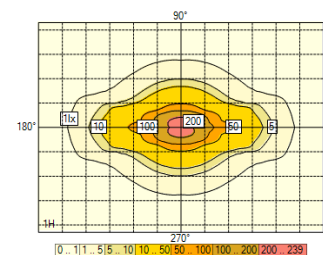
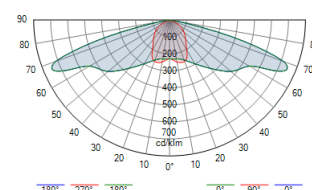
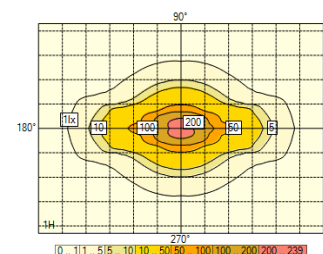
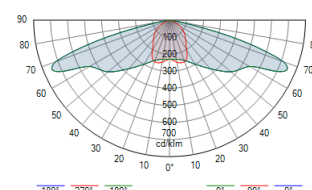
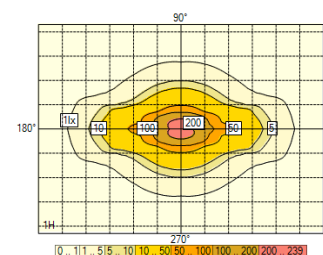
FM 0,85

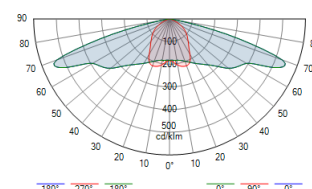
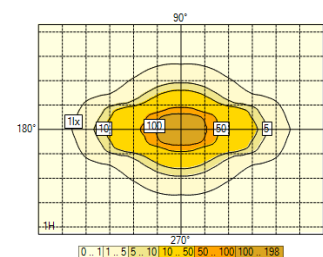
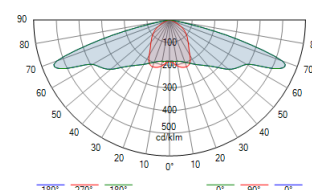
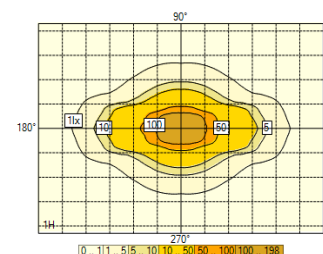
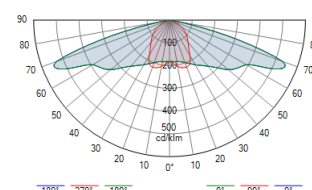
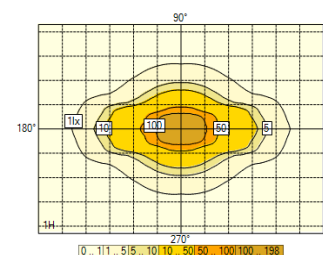
Matriz TFLEX COMBI 5302 160 LH351C 800mA NW ...

Fluxo luminária 50,015 klm

Eficácia 123 lm/W



2.3. TFLEX COMBI 5302 160 LH351C 700mA NW 740 356W 45508S Flat glass SY 230V TF**Tipo** TFLEX COMBI 5302 Flat glass Symmetrical ...**Fonte** 160 LH351C@700mA NW 740 230V 00-26-610**Fluxo nominal** 45,366 klm**Potência** 356,0 W**FM** 0,85**Matriz** TFLEX COMBI 5302 160 LH351C 700mA NW ...**Fluxo luminária** 45,366 klm**Eficácia** 127 lm/W**2.4. TFLEX COMBI 5302 80 LH351C 800mA NW 740 204W 45508S Flat glass SY 230V TF****Tipo** TFLEX COMBI 5302 Flat glass Symmetrical ...**Fonte** 80 LH351C@800mA NW 740 230V 00-59-015**Fluxo nominal** 25,007 klm**Potência** 204,0 W**FM** 0,85**Matriz** TFLEX COMBI 5302 80 LH351C 800mA NW ...**Fluxo luminária** 25,007 klm**Eficácia** 123 lm/W**2.5. TFLEX COMBI 5302 80 LH351C 400mA NW 740 99W 45508S Flat glass SY 230V TF****Tipo** TFLEX COMBI 5302 Flat glass Symmetrical ...**Fonte** 80 LH351C@400mA NW 740 230V 00-46-453**Fluxo nominal** 14,355 klm**Potência** 99,0 W**FM** 0,85**Matriz** TFLEX COMBI 5302 80 LH351C 400mA NW ...**Fluxo luminária** 14,355 klm**Eficácia** 145 lm/W

2.6. TFLEX BASE 5302 40 LH351C 700mA NW 740 89W 45620S Flat glass Symmetrical 230V EF**Tipo** TFLEX BASE 5302 Flat glass Symmetrical ...**Fonte** 40 LH351C@700mA NW 740 230V**Fluxo nominal** 13,543 klm**Potência** 89,0 W**FM** 0,85**Matriz** TFLEX BASE 5302 40 LH351C 700mA NW 740 ...**Fluxo luminária** 11,291 klm**Eficácia** 127 lm/W**2.7. TFLEX BASE 5302 40 LH351C 400mA NW 740 49.5W 45620S Flat glass SY 230V EF****Tipo** TFLEX BASE 5302 Flat glass Symmetrical ...**Fonte** 40 LH351C@400mA NW 740 230V 00-70-393**Fluxo nominal** 8,542 klm**Potência** 49,5 W**FM** 0,85**Matriz** TFLEX BASE 5302 40 LH351C 400mA NW 740 ...**Fluxo luminária** 7,122 klm**Eficácia** 144 lm/W**2.8. TFLEX BASE 5302 40 LH351C 350mA NW 740 42.5W 45620S Flat glass Symmetrical 230V EF****Tipo** TFLEX BASE 5302 Flat glass Symmetrical ...**Fonte** 40 LH351C@350mA NW 740 230V**Fluxo nominal** 7,600 klm**Potência** 42,5 W**FM** 0,85**Matriz** TFLEX BASE 5302 40 LH351C 350mA NW 740 ...**Fluxo luminária** 6,336 klm**Eficácia** 149 lm/W

3. Resultados

3.1. Resultado Malha

ZONA INTERIOR

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	37,1	78	61	29,0	47,3	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (1174,50; -1,00; 1,50)	2,52	61	40	1,55	3,86	97 %

Z. ENTRADA.1_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	1908,3	86	74	1640,3	2205,5	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (-36,60; -1,00; 1,50)	143,96	61	38	87,10	230,55	99 %

Z. ENTRADA.2_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	1334,3	83	70	1107,8	1589,8	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (-6,40; -1,00; 1,50)	69,91	67	46	47,12	102,96	93 %

Z. TRANSIÇÃO.1_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	471,4	83	69	389,5	566,1	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (21,00; -1,00; 1,50)	30,31	63	40	19,03	47,31	94 %

Z. TRANSIÇÃO.2_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	285,1	84	71	240,9	338,5	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (44,00; -1,00; 1,50)	18,23	65	44	11,94	27,42	98 %

Z. TRANSIÇÃO.3_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	186,7	85	75	158,7	210,2	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (67,50; -1,00; 1,50)	12,17	65	44	7,90	17,97	95 %

Z. TRANSIÇÃO.4_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	144,5	87	77	125,3	162,4	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (88,70; -1,00; 1,50)	8,49	67	46	5,70	12,40	96 %

Z. TRANSIÇÃO.5_OESTE

1. Iluminância Normal	Med (A) (lx)	Min/Med (%)	Min/Max (%)	Min (lx)	Max (lx)	
DIURNO	82,6	84	73	69,3	95,5	N/A

2. Luminância - RTable - R3007	Med (A) (cd/m²)	Min/Med (%)	Min/Max (%)	Min (cd/m²)	Max (cd/m²)	UL (%)
DIURNO - Observador 1 (127,50; -1,00; 1,50)	5,89	63	41	3,70	8,94	96 %

4. Potência consumida

4.1. DIURNO

equipamento	Current [mA]	Qt.	Dimming	Potência / Equipamen to	Total
GL2 Compact 2 32 LEDs 350mA NW740 740 Plano(a), Vidro extra claro, Liso 5102 Simétrico 33631S	350	240	100 %	35 W	8452 W
TFLEX BASE 5302 40 LH351C 350mA NW 740 42.5W 45620S Flat glass Symmetrical 230V EF	0	5	100 %	43 W	213 W
TFLEX BASE 5302 40 LH351C 400mA NW 740 49.5W 45620S Flat glass SY 230V EF	0	8	100 %	50 W	396 W
TFLEX BASE 5302 40 LH351C 700mA NW 740 89W 45620S Flat glass Symmetrical 230V EF	0	4	100 %	89 W	356 W
TFLEX COMBI 5302 160 LH351C 700mA NW 740 356W 45508S Flat glass SY 230V TF	0	4	100 %	356 W	1424 W
TFLEX COMBI 5302 160 LH351C 800mA NW 740 408W 45508S Flat glass SY 230V TF	0	25	100 %	408 W	10200 W
TFLEX COMBI 5302 80 LH351C 400mA NW 740 99W 45508S Flat glass SY 230V TF	0	8	100 %	99 W	792 W
TFLEX COMBI 5302 80 LH351C 800mA NW 740 204W 45508S Flat glass SY 230V TF	0	6	100 %	204 W	1224 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
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	GL2 Compact 2 32 LEDs 350mA NW740 740 Plano(a), Vidro extra claro, Liso 5102 Simétrico 33631S	350	5,856	5,016	35,2	142	0,850	240 x 6,70	
	TFLEX BASE 5302 40 LH351C 350mA NW 740 42.5W 45620S Flat glass Symmetrical 230V EF		7,600	6,336	42,5	149	0,850	5 x 6,70	
	TFLEX BASE 5302 40 LH351C 400mA NW 740 49.5W 45620S Flat glass SY 230V EF		8,542	7,122	49,5	144	0,850	8 x 6,70	
	TFLEX BASE 5302 40 LH351C 700mA NW 740 89W 45620S Flat glass Symmetrical 230V EF		13,543	11,291	89,0	127	0,850	4 x 6,70	
	TFLEX COMBI 5302 160 LH351C 700mA NW 740 356W 45508S Flat glass SY 230V TF		45,366	45,366	356,0	127	0,850	4 x 6,70	
	TFLEX COMBI 5302 160 LH351C 800mA NW 740 408W 45508S Flat glass SY 230V TF		50,015	50,015	408,0	123	0,850	25 x 6,70	
	TFLEX COMBI 5302 80 LH351C 400mA NW 740 99W 45508S Flat glass SY 230V TF		14,355	14,355	99,0	145	0,850	8 x 6,70	
	TFLEX COMBI 5302 80 LH351C 800mA NW 740 204W 45508S Flat glass SY 230V TF		25,007	25,007	204,0	123	0,850	6 x 6,70	

5.2. Grupos de luminárias

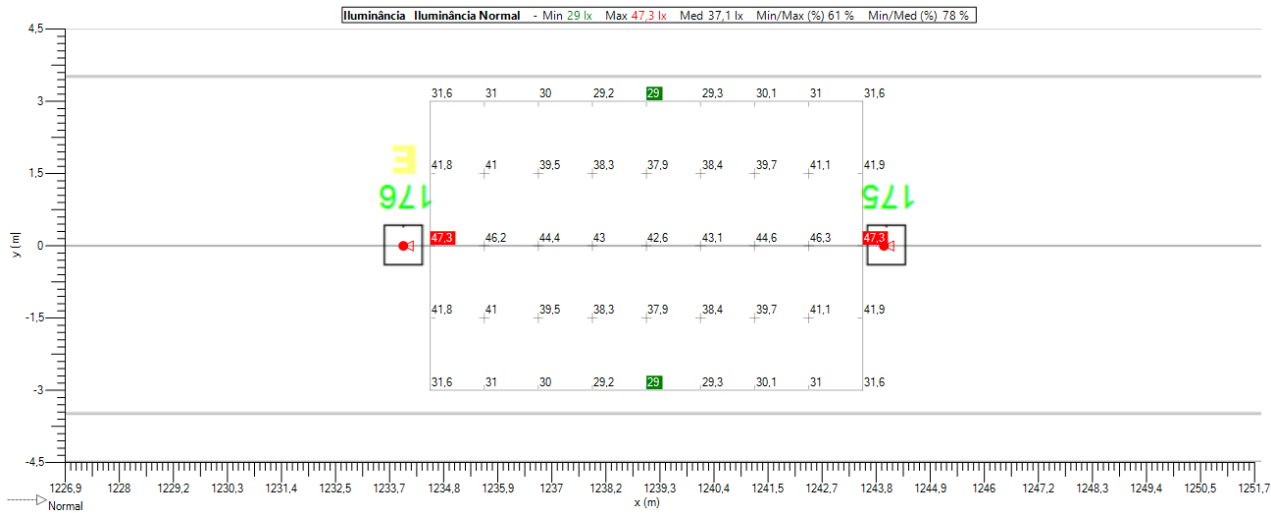
Linear																
	Color	N°	Posição			Luminária					Dimensão			Rotação		
			X [m]	Y [m]	Z [m]	Nome	Az [°]	Incl [°]	Rot [°]	Dim [%]	Nº de	Espaçamento [m]	Dim. Total [m]	X [°]	Y [°]	Z [°]
☒		1	0,36	0,00	6,70	REG. BASE	0,0	0,0	0,0	100	12	10,00	110,00	0,0	0,0	0,0
☒		2	2,07	0,00	6,70	ENTRADA_sul	0,0	0,0	0,0	100	5	1,65	6,60	0,0	0,0	0,0
☒		3	11,95	0,00	6,70	ENTRADA_sul (1)	0,0	0,0	0,0	100	5	1,65	6,60	0,0	0,0	0,0
☒		4	21,83	0,00	6,70	ENTRADA_sul (2)	0,0	0,0	0,0	100	5	1,65	6,60	0,0	0,0	0,0
☒		5	31,75	0,00	6,70	ENTRADA_sul (3)	0,0	0,0	0,0	100	5	1,65	6,60	0,0	0,0	0,0
☒		6	41,67	0,00	6,70	ENTRADA_sul (4)	0,0	0,0	0,0	100	5	1,65	6,60	0,0	0,0	0,0
☒		7	51,61	0,00	6,70	ENTRADA_sul (5)	0,0	0,0	0,0	100	2	1,65	1,65	0,0	0,0	0,0
☒		8	55,71	0,00	6,70	TRANSIÇÃO_sul	0,0	0,0	0,0	100	2	2,30	2,30	0,0	0,0	0,0
☒		9	63,19	0,00	6,70	TRANSIÇÃO_sul (1)	0,0	0,0	0,0	100	3	2,50	5,00	0,0	0,0	0,0
☒		10	73,19	0,00	6,70	TRANSIÇÃO_sul (2)	0,0	0,0	0,0	100	3	2,50	5,00	0,0	0,0	0,0
☒		11	83,19	0,00	6,70	TRANSIÇÃO_sul (3)	0,0	0,0	0,0	100	3	2,50	5,00	0,0	0,0	0,0
☒		12	93,19	0,00	6,70	TRANSIÇÃO_sul (4)	0,0	0,0	0,0	100	3	2,50	5,00	0,0	0,0	0,0
☒		13	103,19	0,00	6,70	TRANSIÇÃO_sul (6)	0,0	0,0	0,0	100	2	3,00	3,00	0,0	0,0	0,0
☒		14	112,21	0,00	6,70	TRANSIÇÃO_sul (7)	0,0	0,0	0,0	100	2	3,00	3,00	0,0	0,0	0,0
☒		15	118,14	0,00	6,70	REG. BASE (1)	0,0	0,0	0,0	100	8	9,00	63,00	0,0	0,0	0,0
☒		16	121,20	0,00	6,70	TRANSIÇÃO_sul (8)	0,0	0,0	0,0	100	2	3,00	3,00	0,0	0,0	0,0
☒		17	139,17	0,00	6,70	TRANSIÇÃO_sul (10)	0,0	0,0	0,0	100	2	3,00	3,00	0,0	0,0	0,0
☒		18	148,25	0,00	6,70	TRANSIÇÃO_sul (11)	0,0	0,0	0,0	100	2	3,00	3,00	0,0	0,0	0,0

☒		19	176,78	0,02	6,70	TRANSIÇÃO_sul (14)	0,0	0,0	0,0	100	5	10,00	40,00	0,0	0,0	0,0
☒		20	191,77	0,00	6,70	REG. BASE (2)	0,0	0,0	0,0	100	3	10,00	20,00	0,0	0,0	0,0
☒		21	224,74	0,00	6,70	REG. BASE (3)	0,0	0,0	0,0	100	97	10,00	960,00	0,0	0,0	0,0
☒		22	1193,94	0,00	6,70	REG. BASE (4)	0,0	0,0	0,0	100	97	10,00	960,00	0,0	0,0	0,0
☒		23	2167,05	0,00	6,70	REG. BASE (5)	0,0	0,0	0,0	100	6	10,00	50,00	0,0	0,0	0,0
☒		24	2225,12	0,00	6,70	REG. BASE (6)	0,0	0,0	0,0	100	8	8,90	62,30	0,0	0,0	0,0
☒		25	2298,05	0,00	6,70	REG. BASE (7)	0,0	0,0	0,0	100	9	10,00	80,00	0,0	0,0	0,0

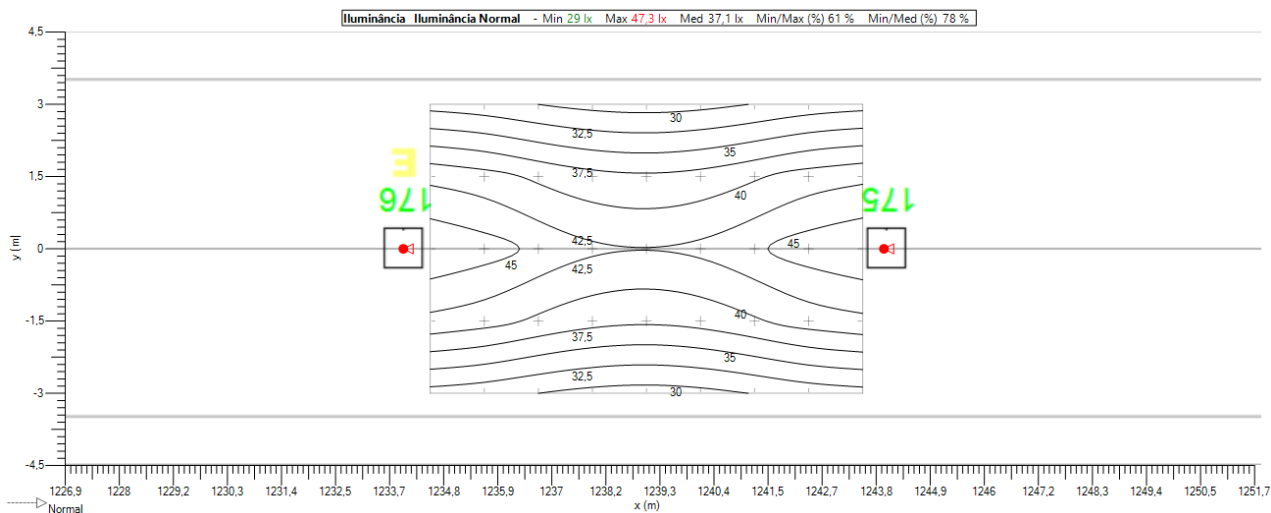
Simples										
	Color	N°	Posição			Luminária				
			X [m]	Y [m]	Z [m]	Nome	Az [°]	Incl [°]	Rot [°]	Dim [%]
☒		1	130,24	0,00	6,70	TRANSIÇÃO_sul (9)	0,0	0,0	0,0	100
☒		2	133,15	0,00	6,70	TRANSIÇÃO_sul (13)	0,0	0,0	0,0	100
☒		3	156,71	0,00	6,70	TRANSIÇÃO_sul (12)	0,0	0,0	0,0	100
☒		4	166,76	0,00	6,70	TRANSIÇÃO_sul (15)	0,0	0,0	0,0	100

5.3. ZONA INTERIOR - Normal

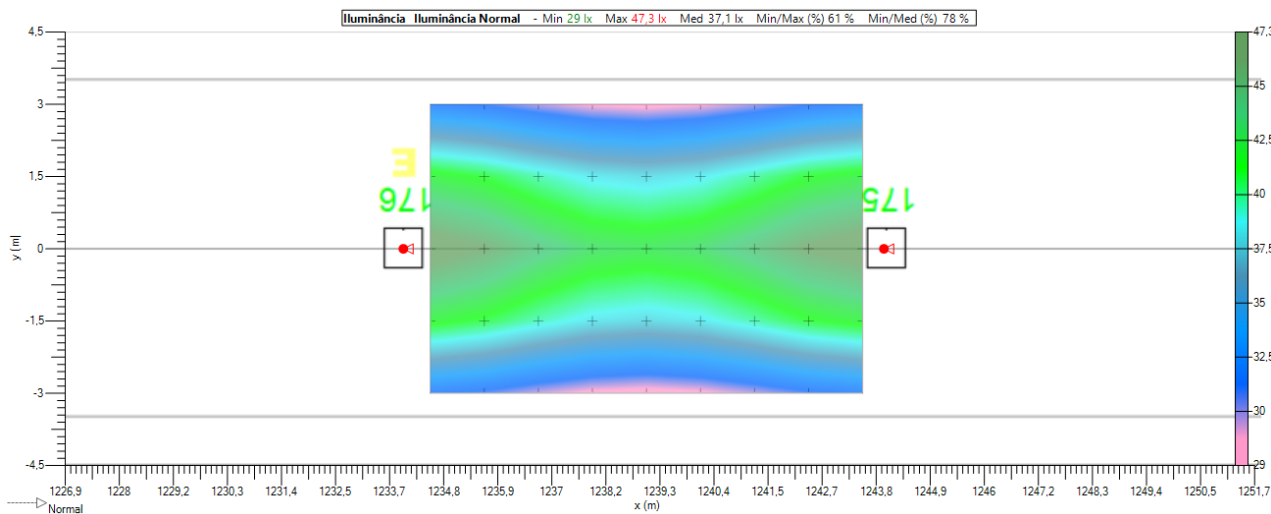
Resultados



Isolevel

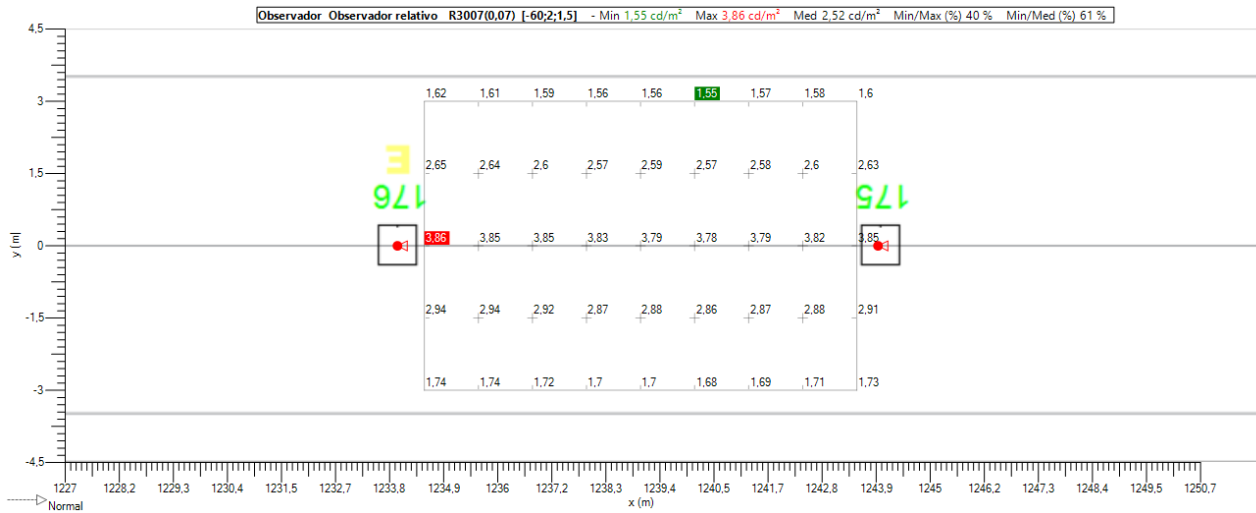


Sombreado

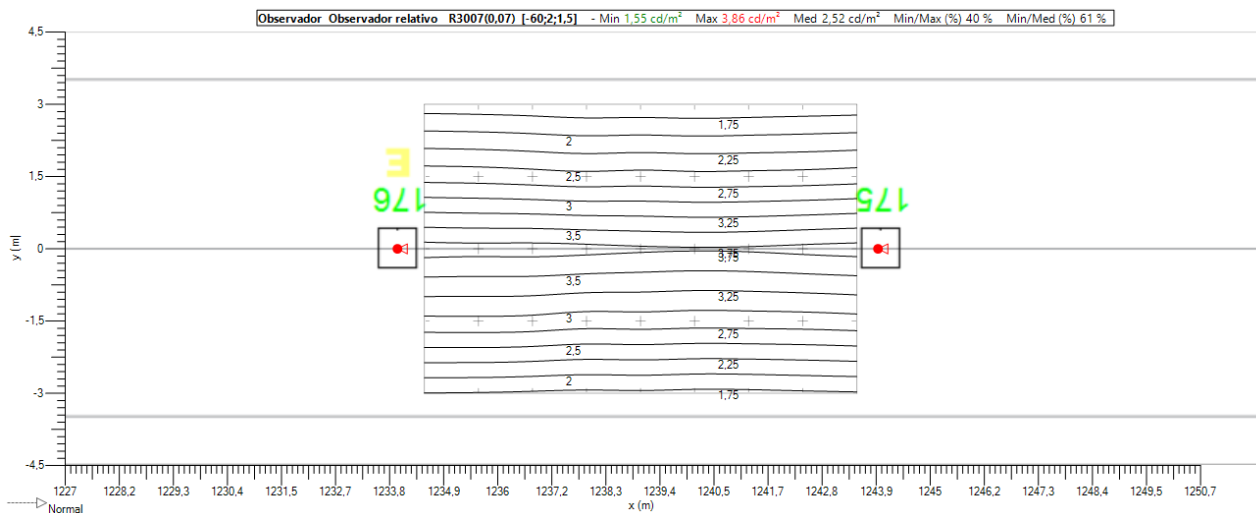


5.4. ZONA INTERIOR - Luminance RTable - Relative 1

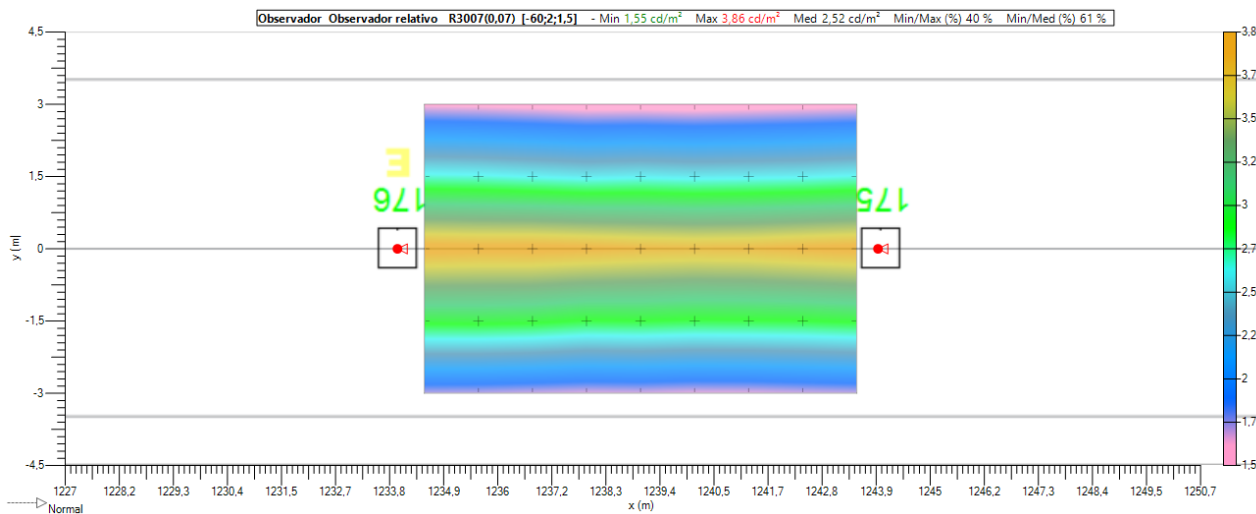
Resultados



Isolevel

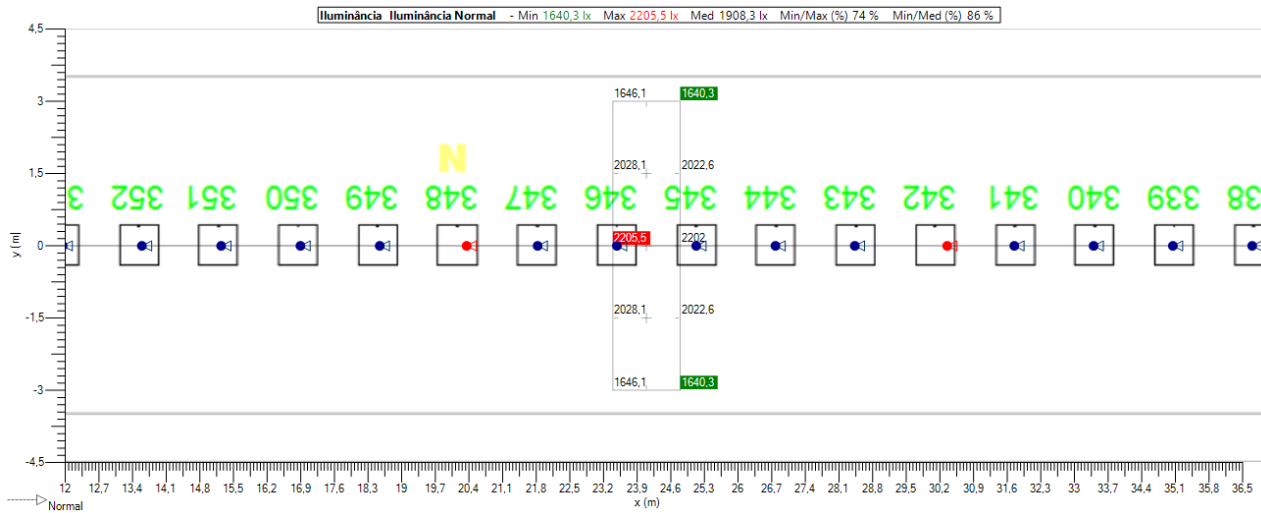


Sombreado

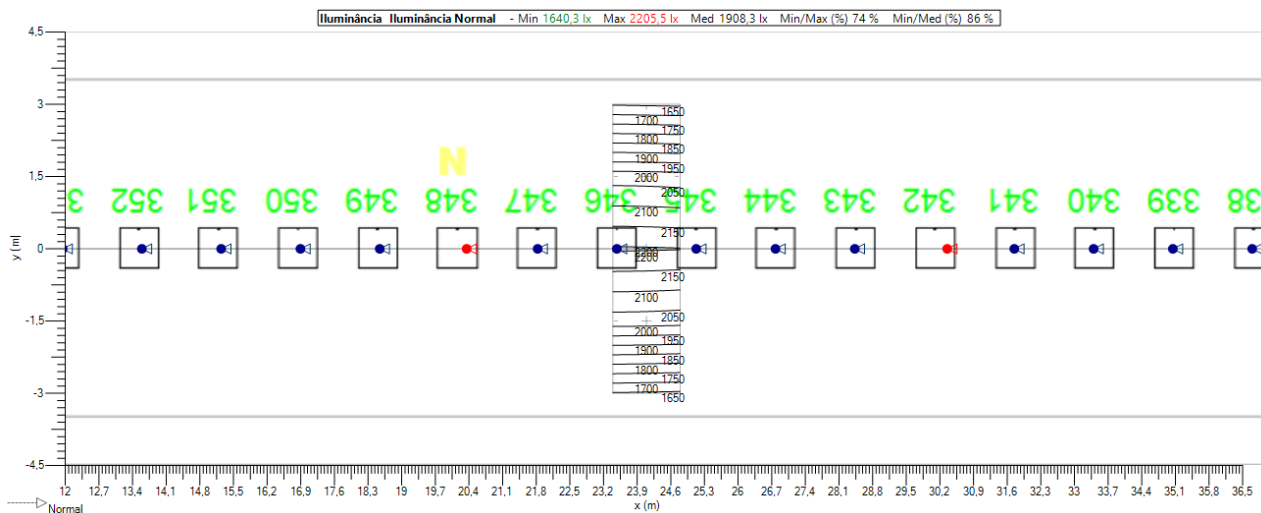


5.5. Z. ENTRADA.1_OESTE - Normal

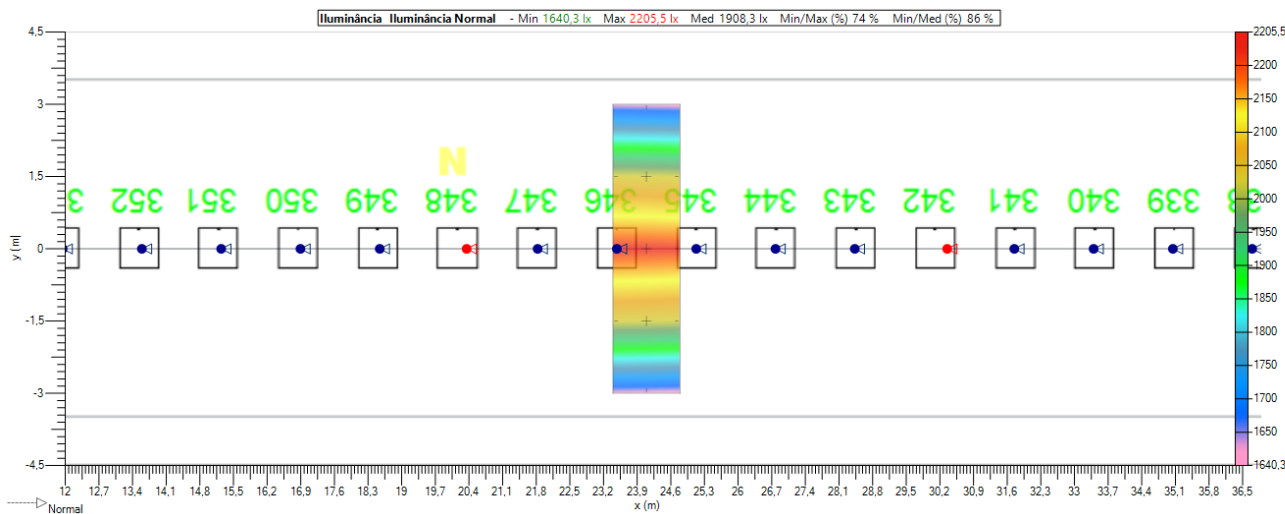
Resultados



Isolevel

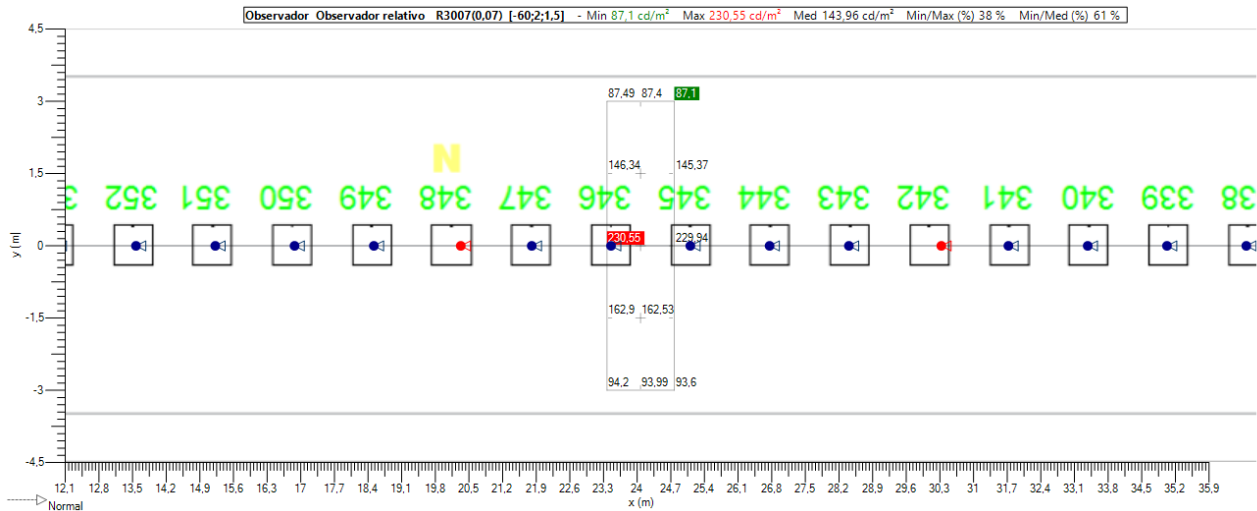


Sombreado

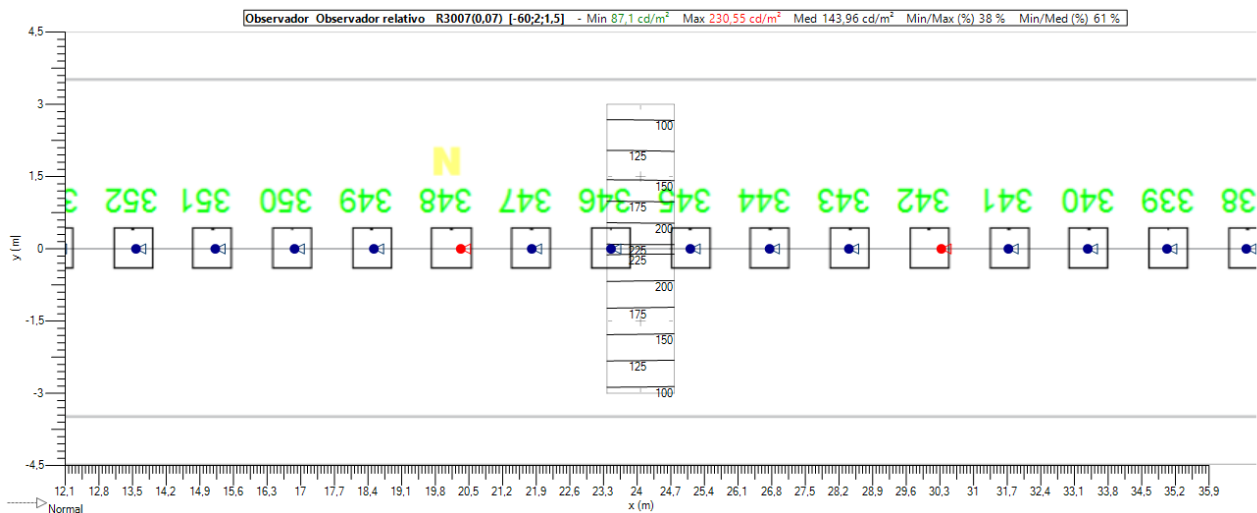


5.6. Z. ENTRADA.1_OESTE - Luminance RTable - Relative 1

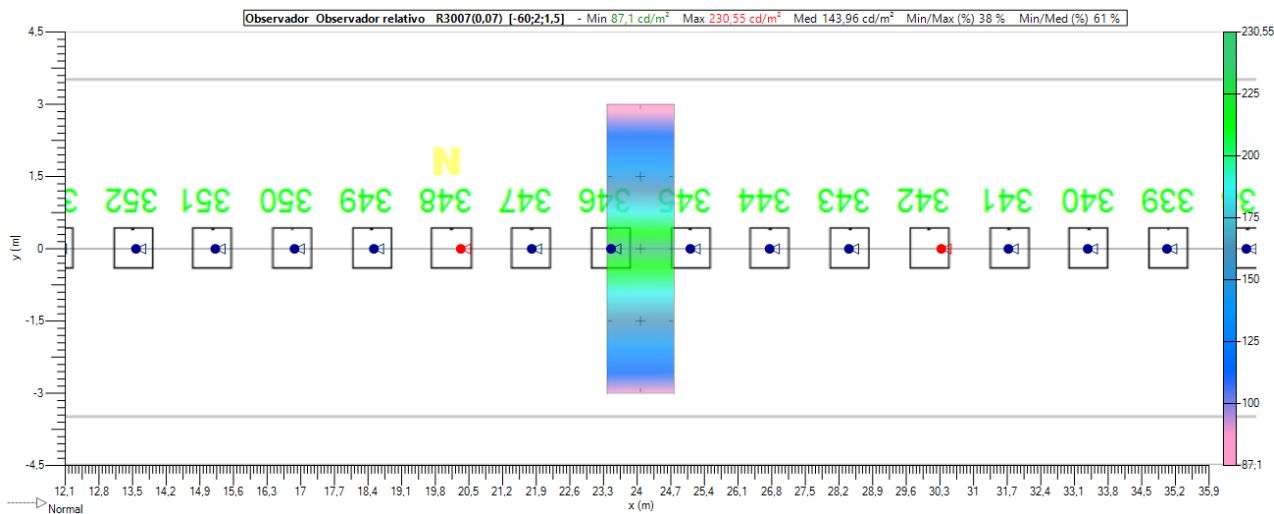
Resultados



Isolevel

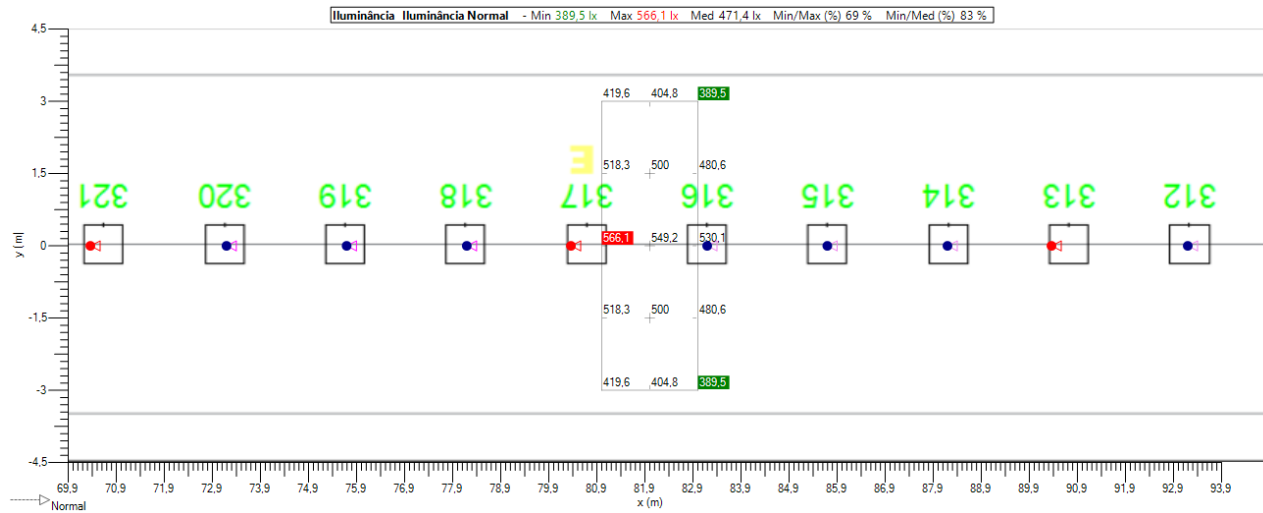


Sombreado

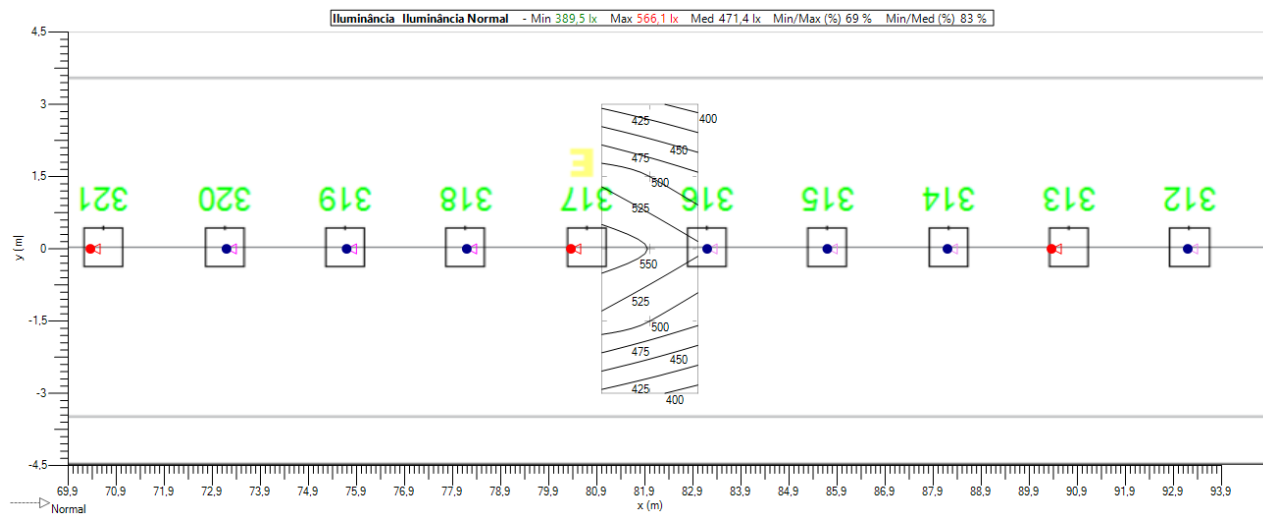


5.9. Z. TRANSIÇÃO.1_OESTE - Normal

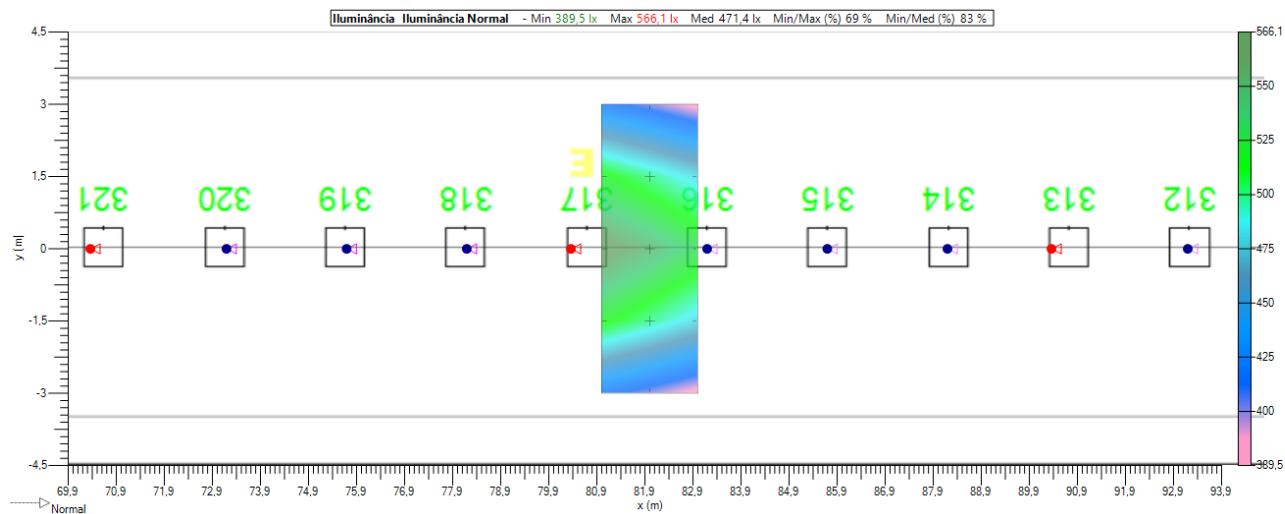
Resultados

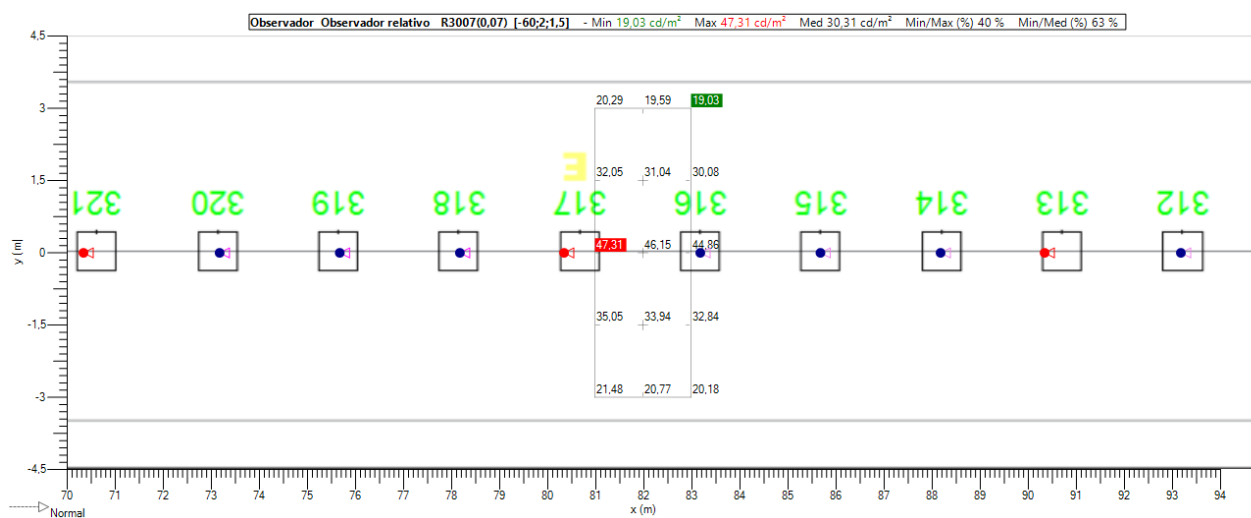
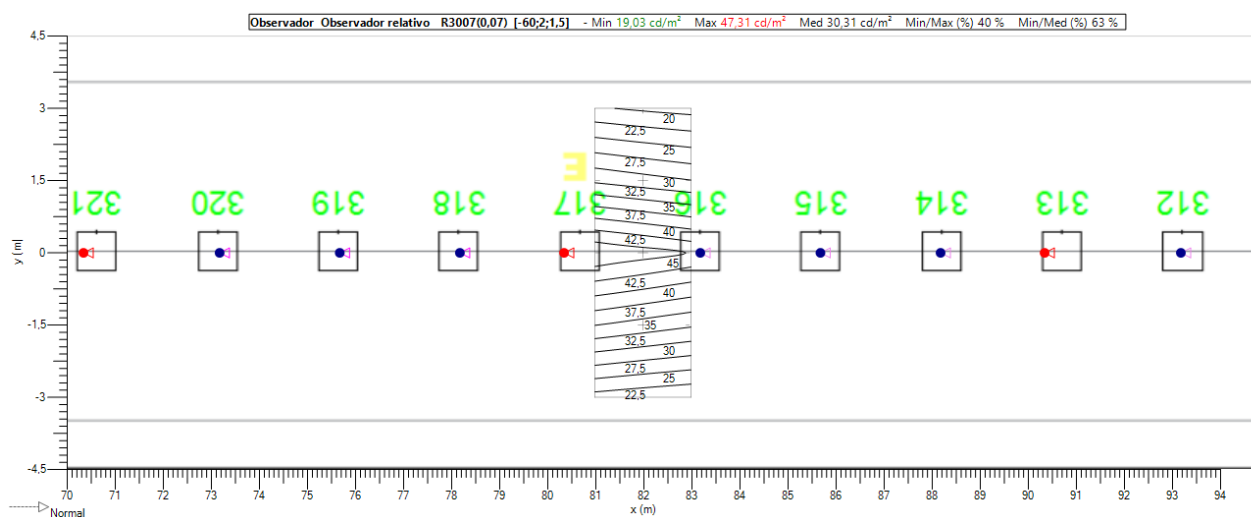
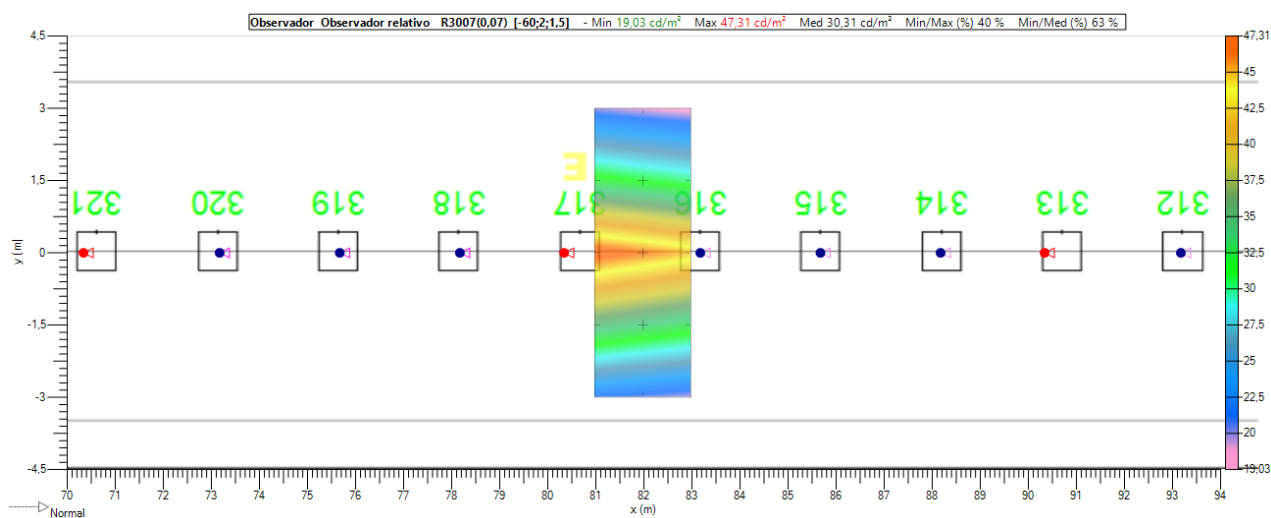


Isolevel



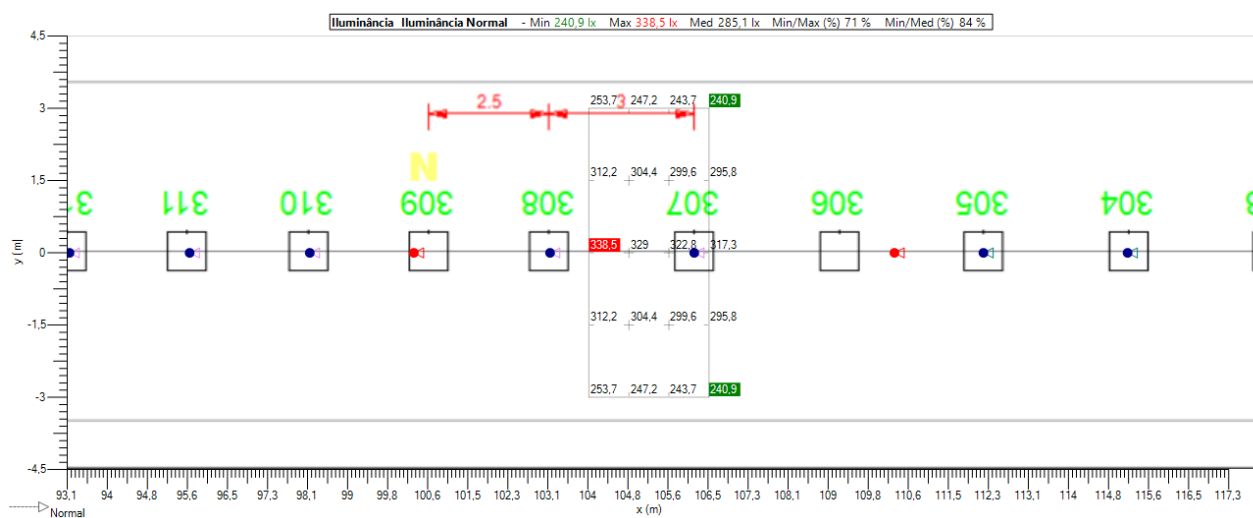
Sombreado



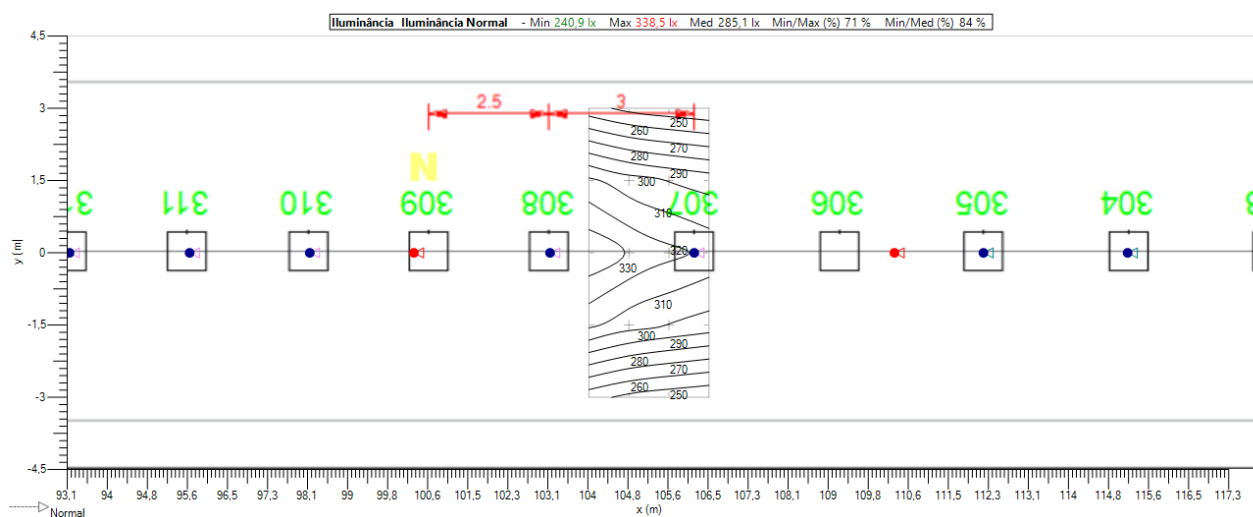
5.10. Z. TRANSIÇÃO.1_OESTE - Luminance RTable - Relative 1**Resultados****Isolevel****Sombreado**

5.11. Z. TRANSIÇÃO.2_OESTE - Normal

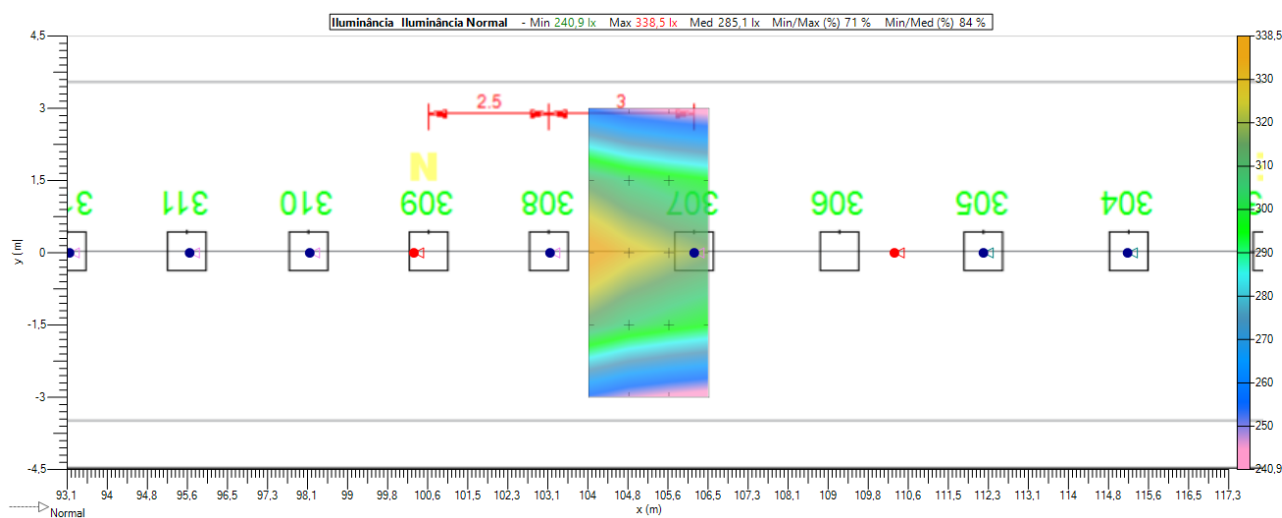
Resultados



Isolevel

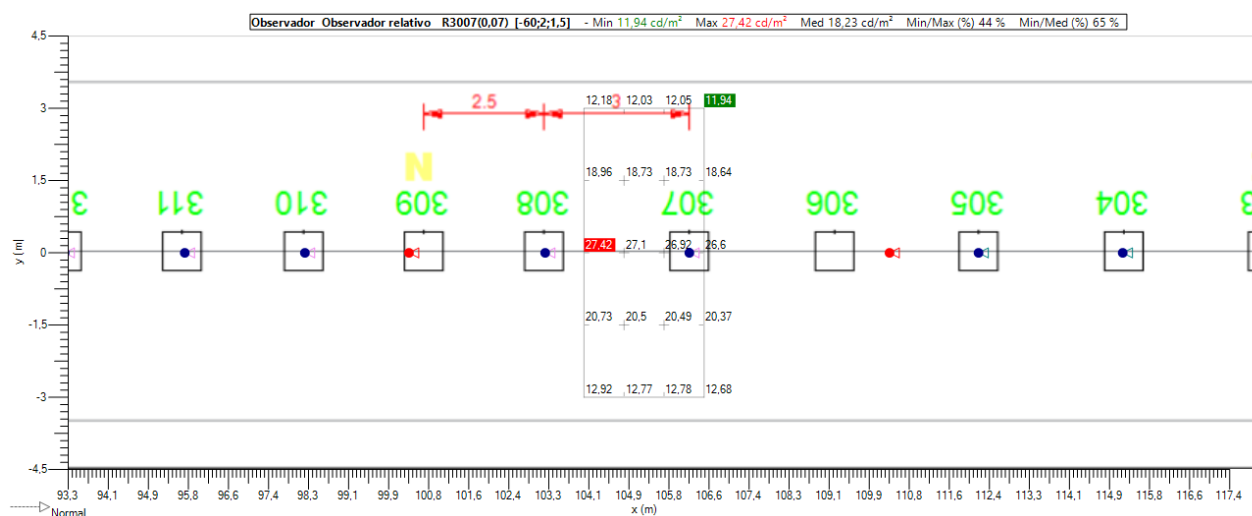


Sombreado

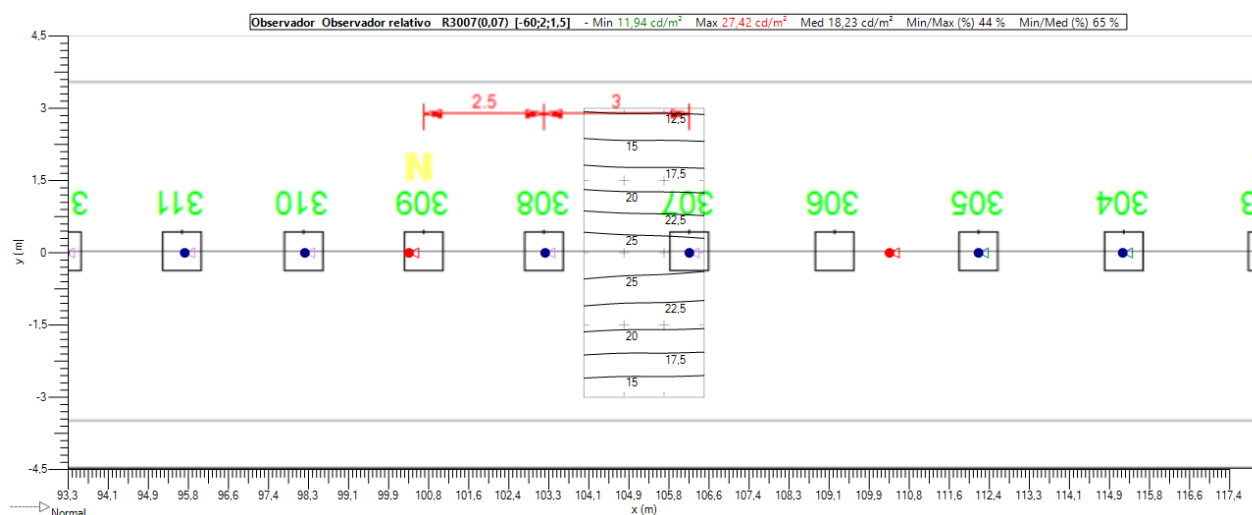


5.12. Z. TRANSIÇÃO.2_OESTE - Luminance RTable - Relative 1

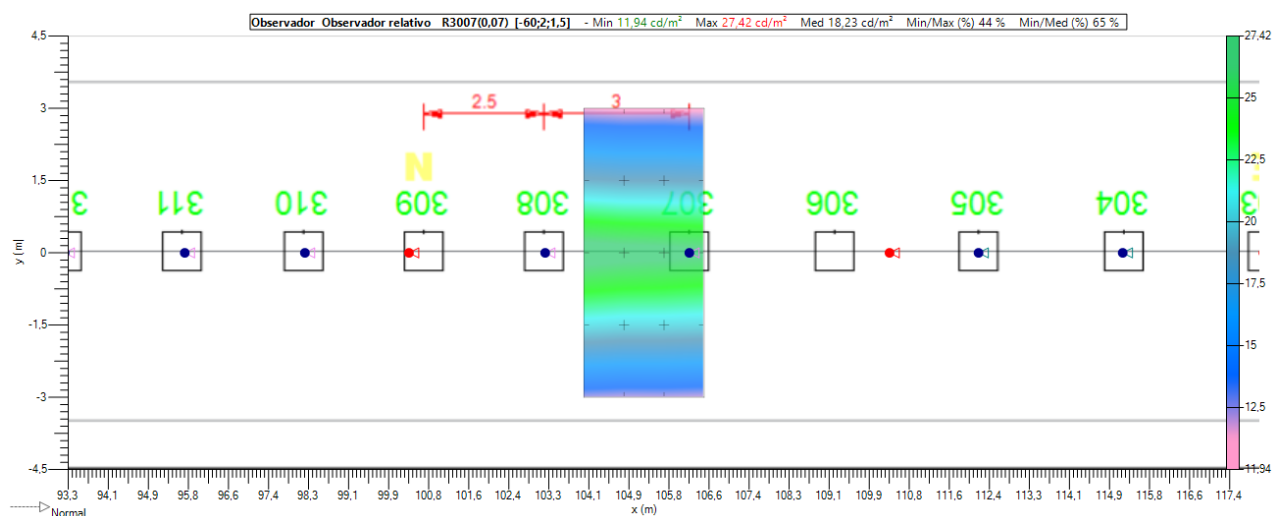
Resultados



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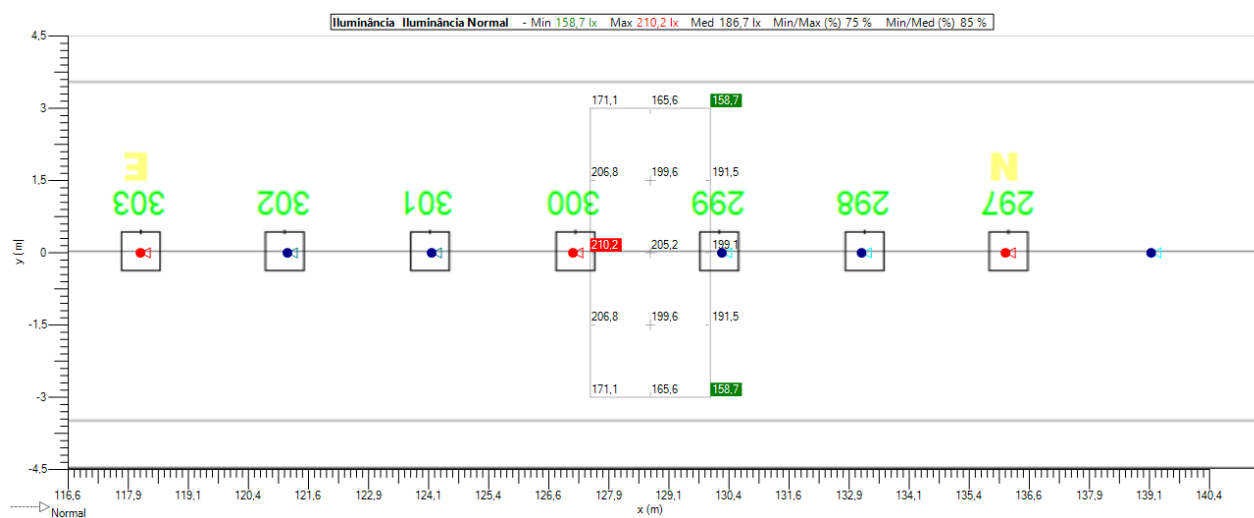


Sombreado

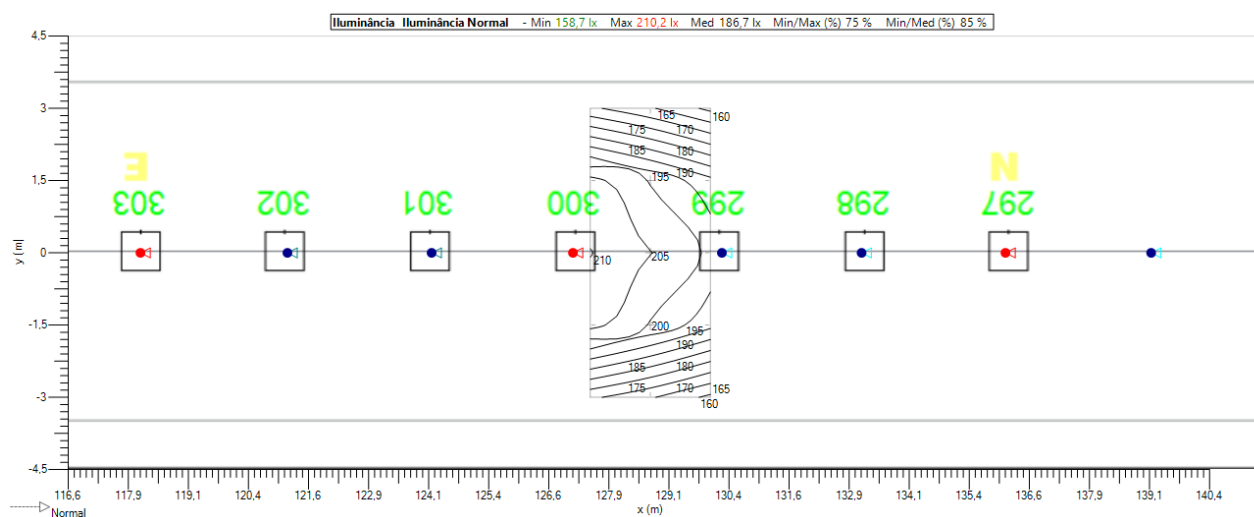


5.13. Z. TRANSIÇÃO.3_OESTE - Normal

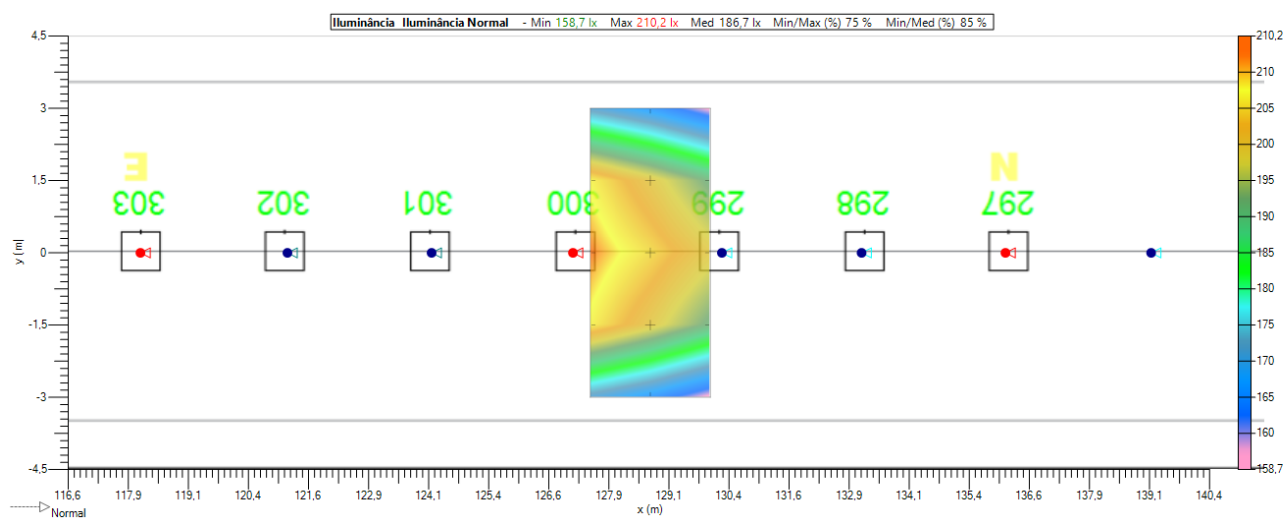
Resultados

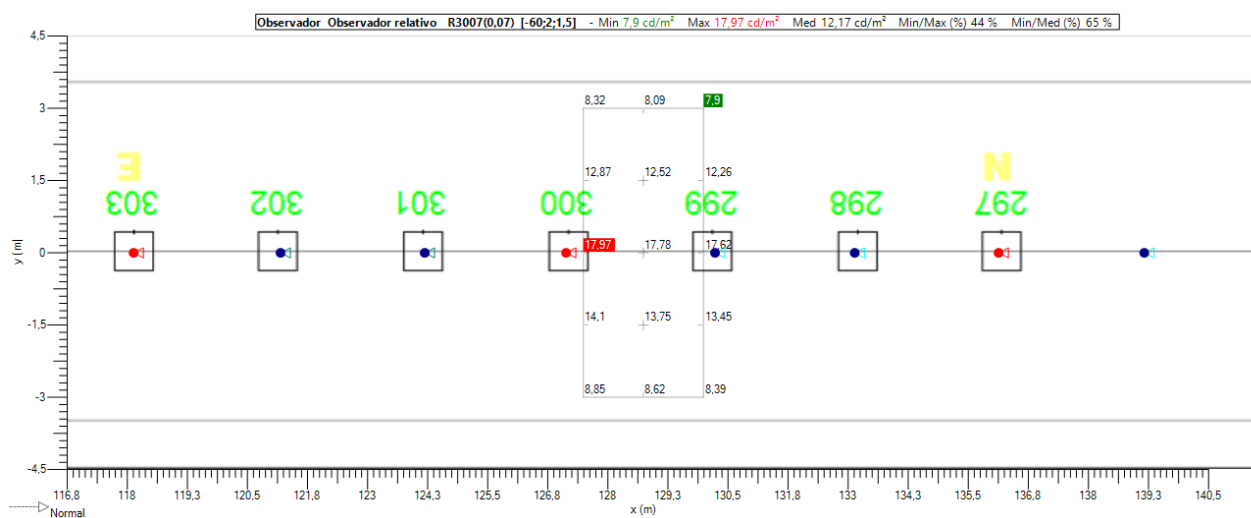
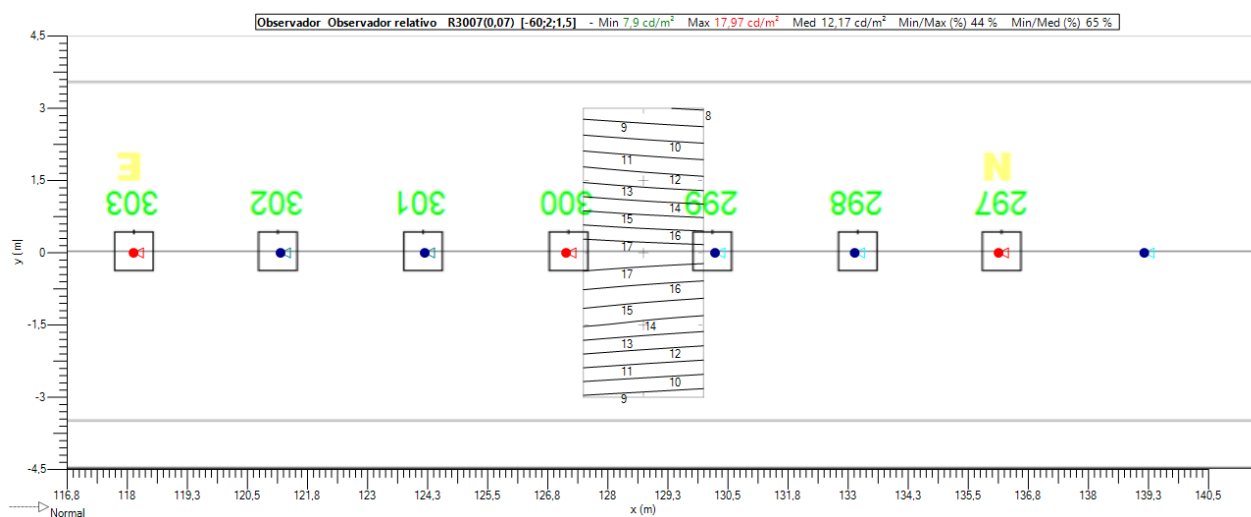
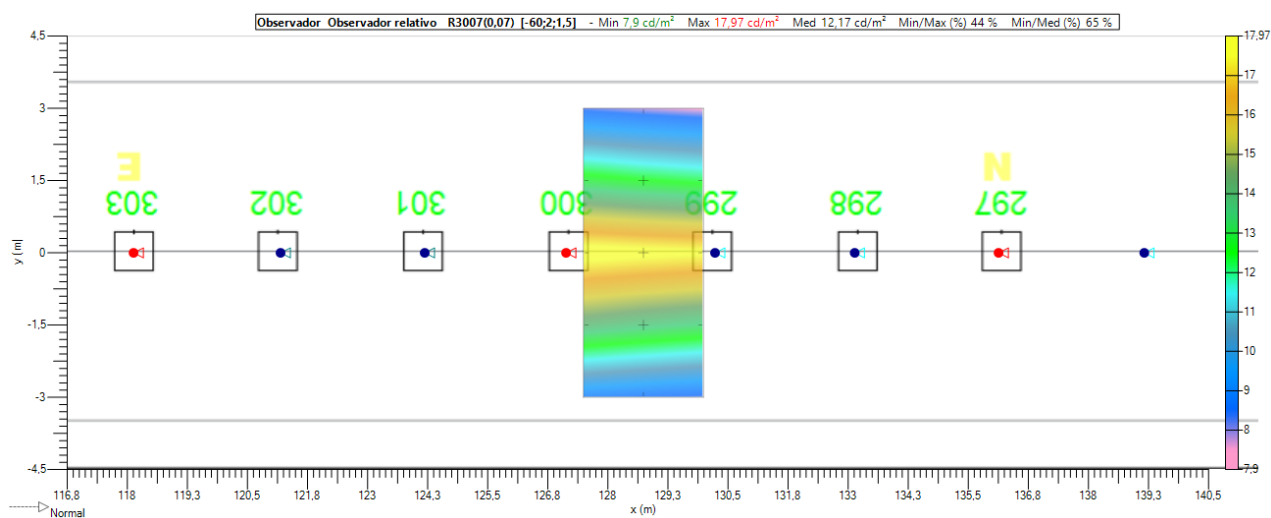


Isolevel



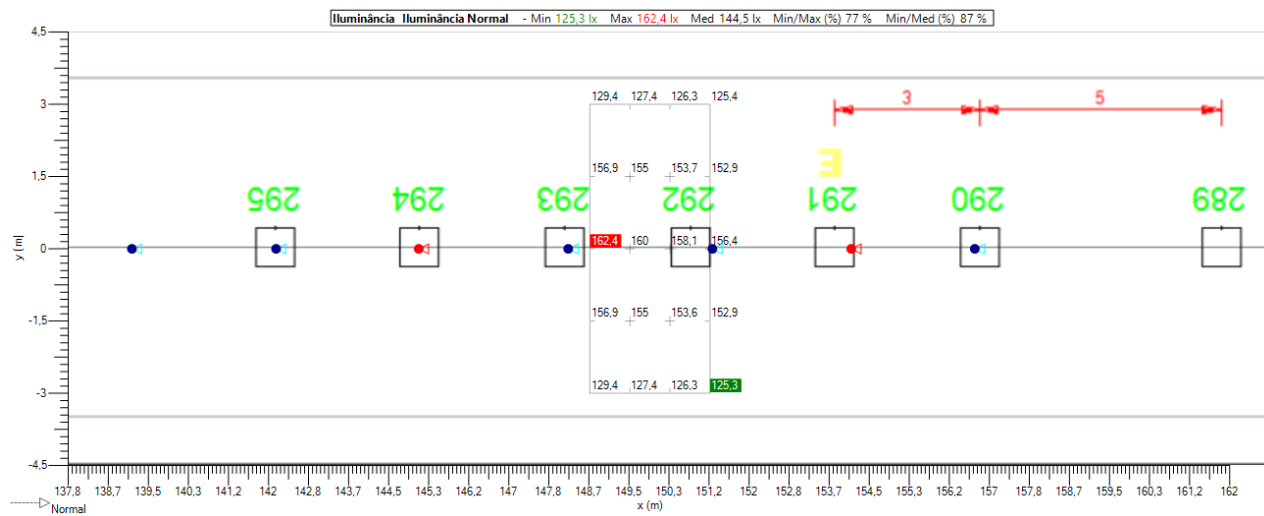
Sombreado



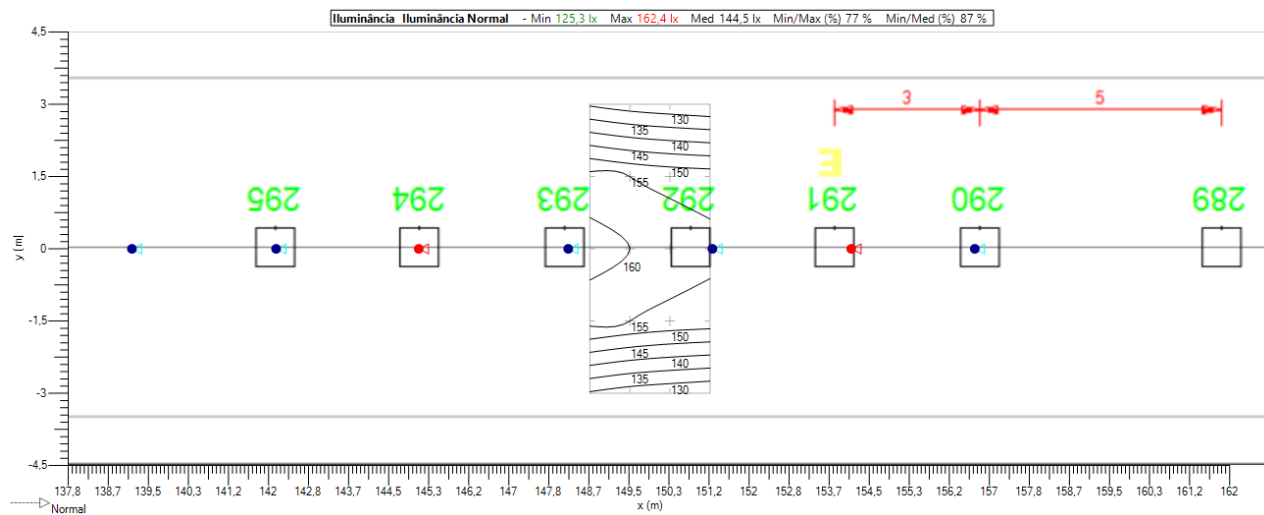
5.14. Z. TRANSIÇÃO.3_OESTE - Luminance RTable - Relative 1**Resultados****Isolevel****Sombreado**

5.15. Z. TRANSIÇÃO.4_OESTE - Normal

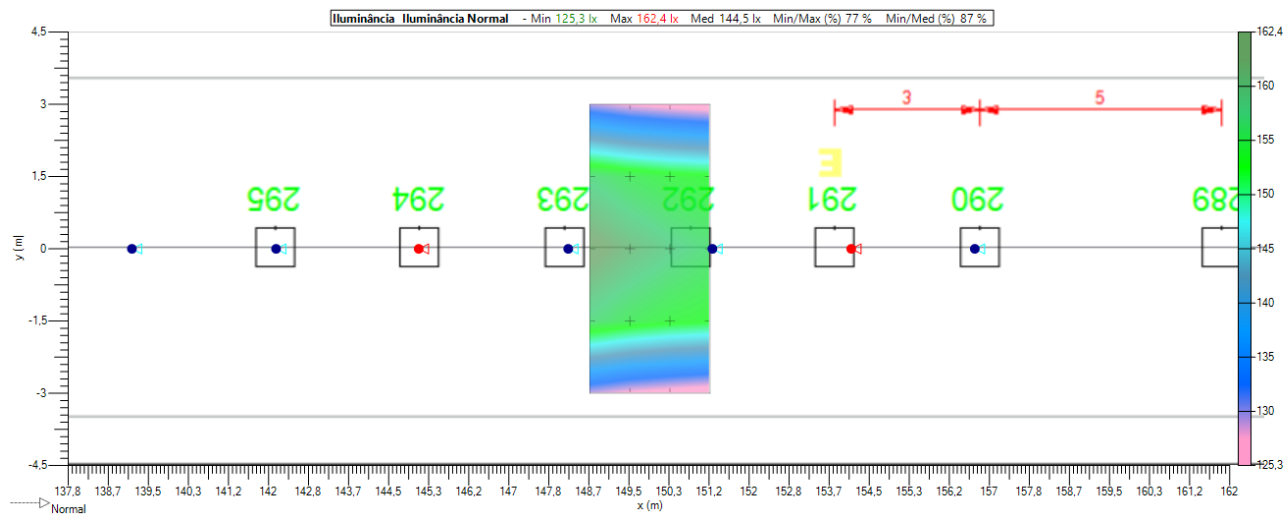
Resultados



Isolevel

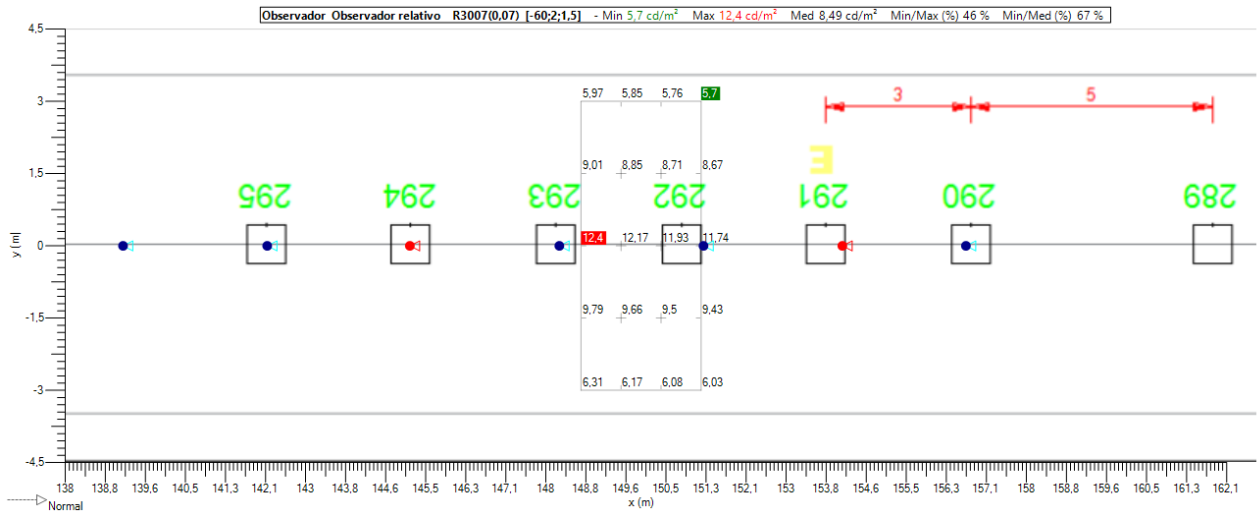


Sombreado

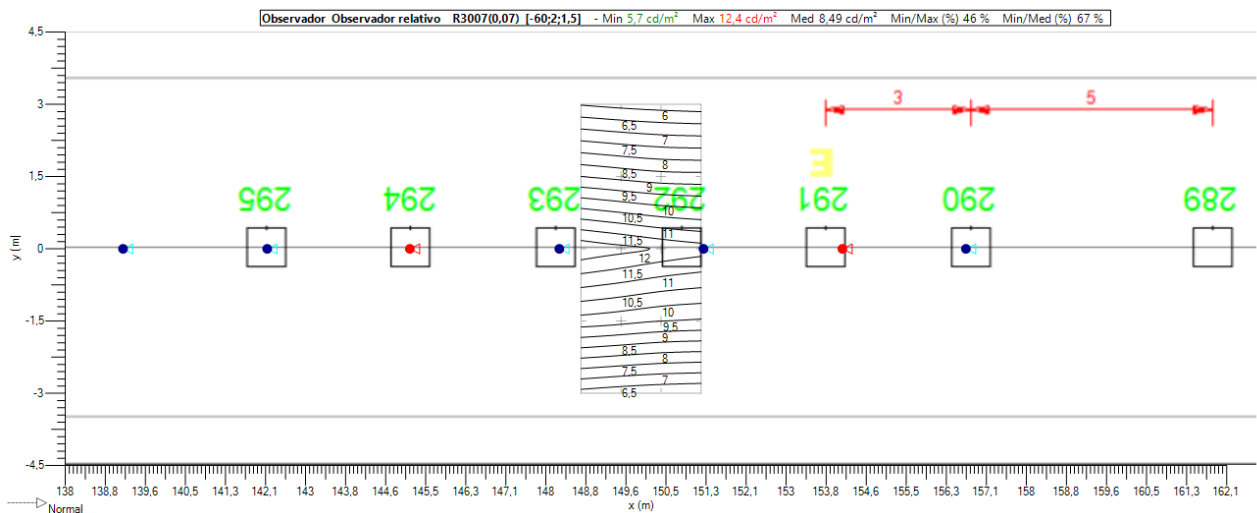


5.16. Z. TRANSIÇÃO.4_OESTE - Luminance RTable - Relative 1

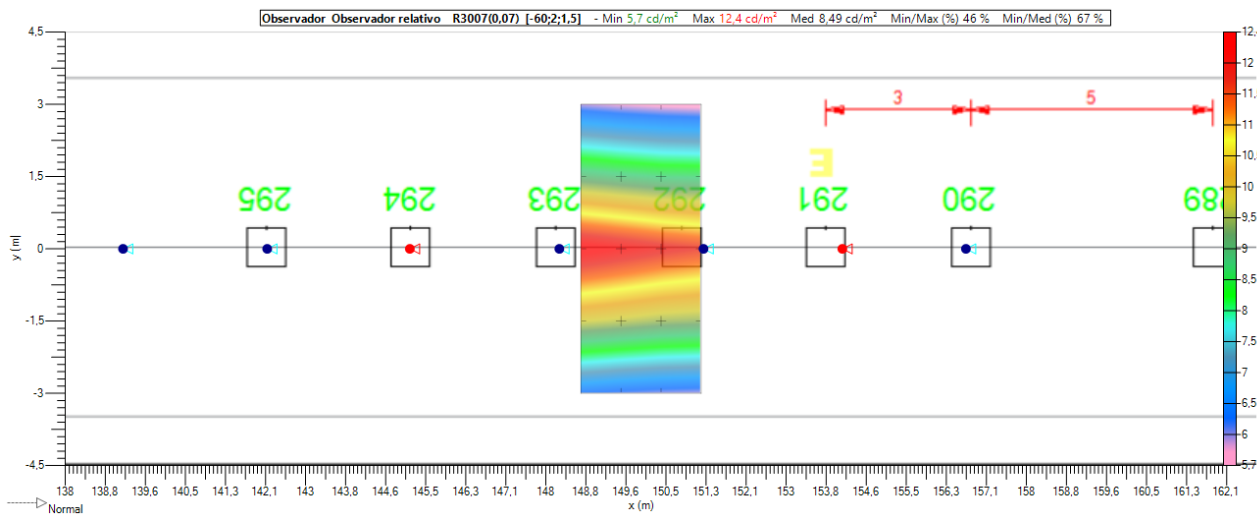
Resultados



Isolevel

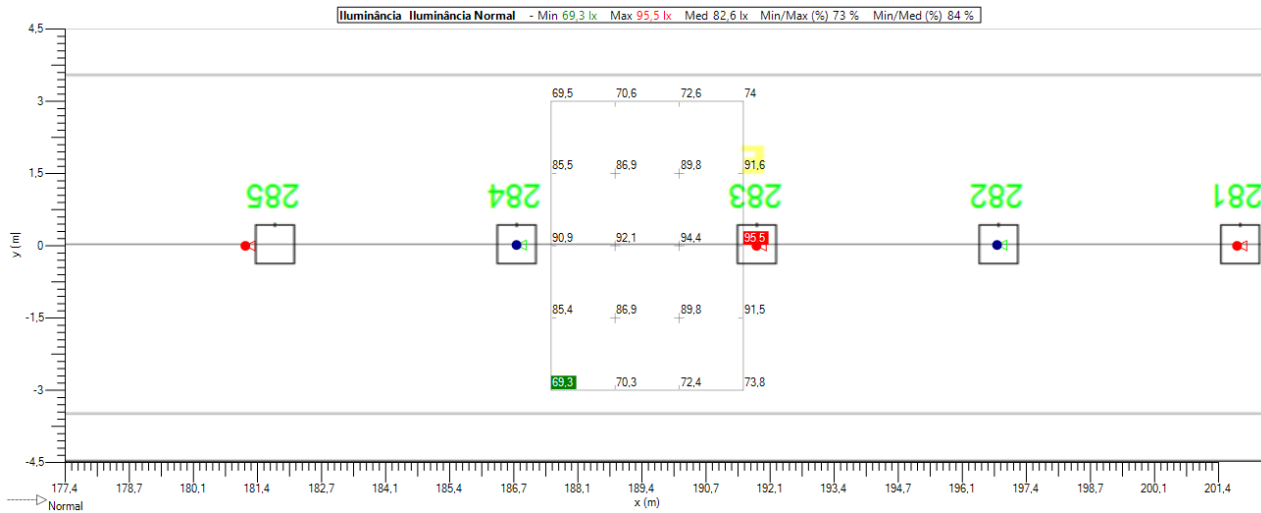


Sombreado

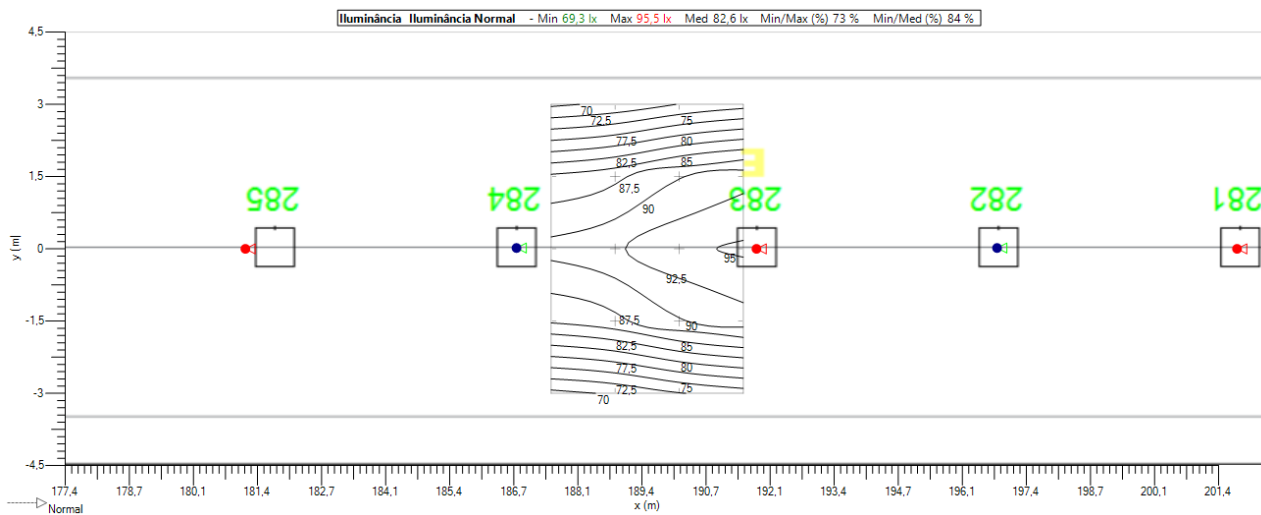


5.17. Z. TRANSIÇÃO.5_OESTE - Normal

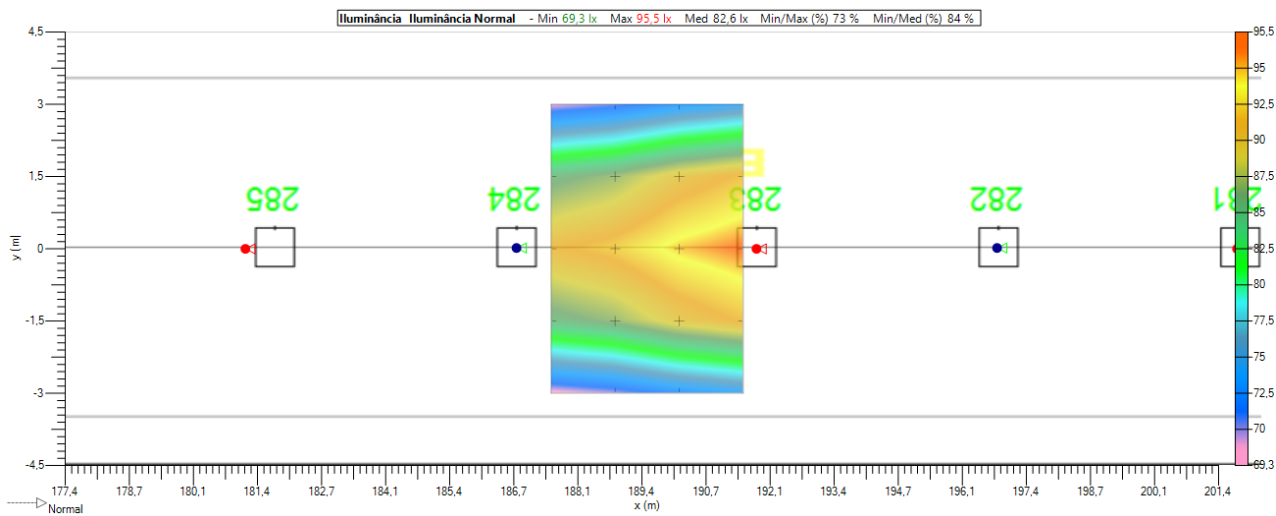
Resultados



Isolevel

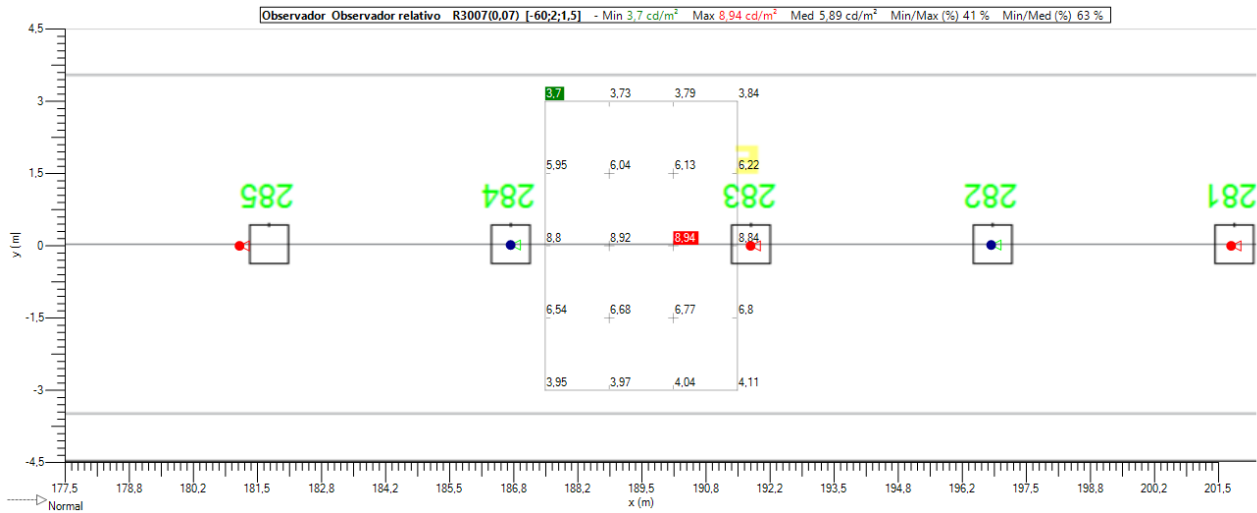


Sombreado

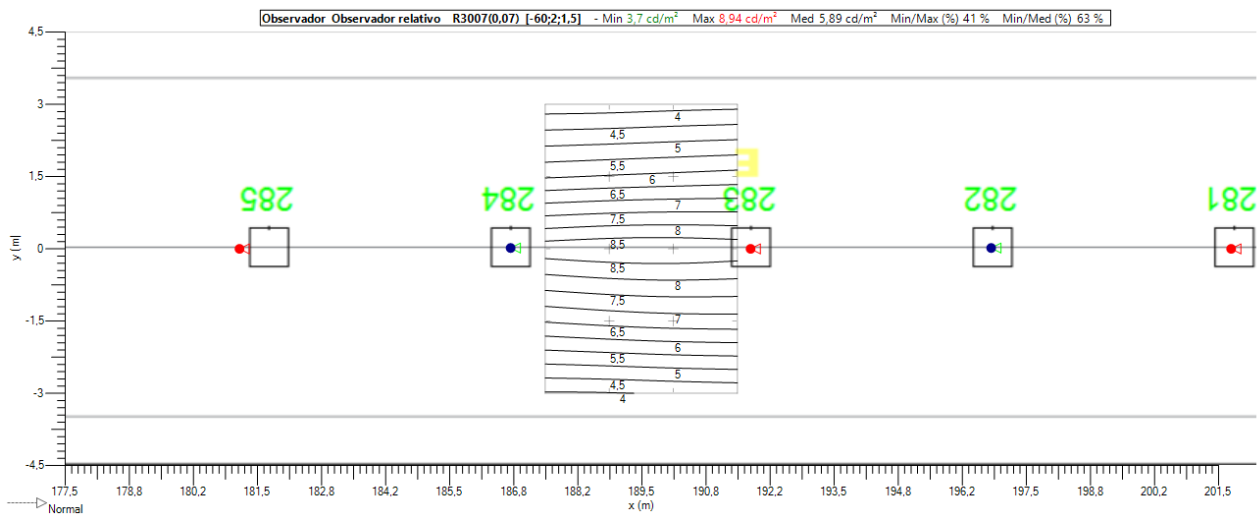


5.18. Z. TRANSIÇÃO.5_OESTE - Luminance RTable - Relative 1

Resultados



Isolevel



Sombreado

