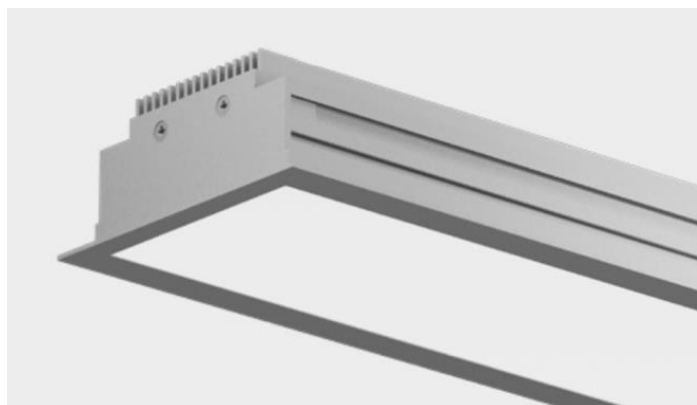


SLED9113 E70 BARRA 2XM80B 4000K 80 1224mm



Fluxo luminoso – 8160 lm/m

Potência – 87,2 W/m

Intensidade pico – 2902cd

CCT – 3954K

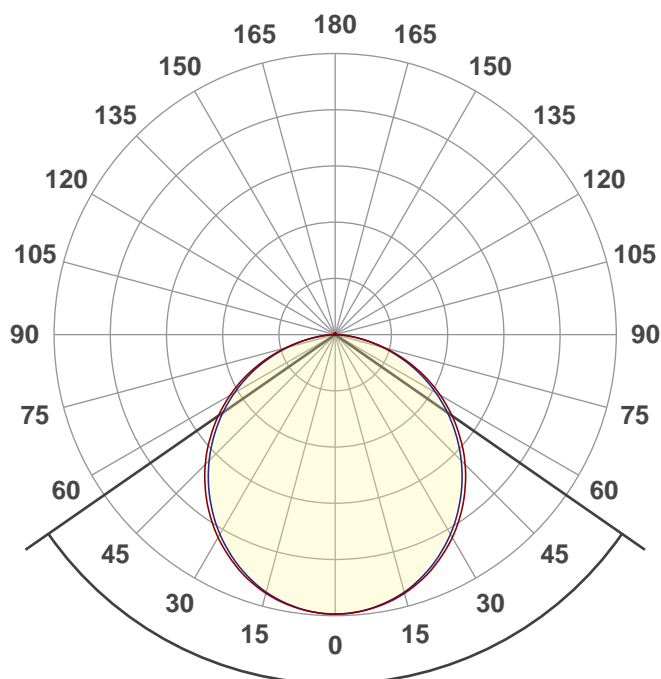


IRC – 84,3

Coordenada CIE 1931 – x- 0,384 y- 0,384

Data do ensaio

08/11/2022 11:26:57



Facho de abertura

110,4°

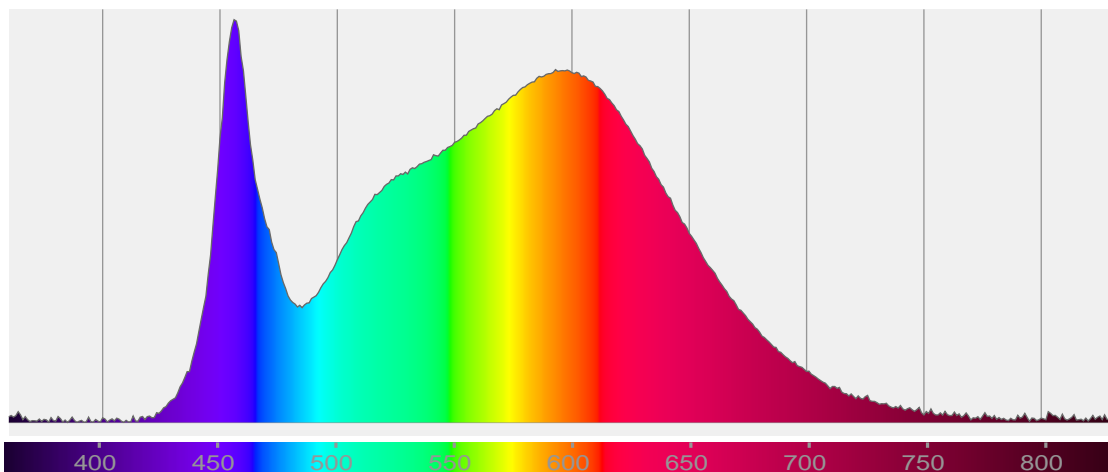
Rf 83,6

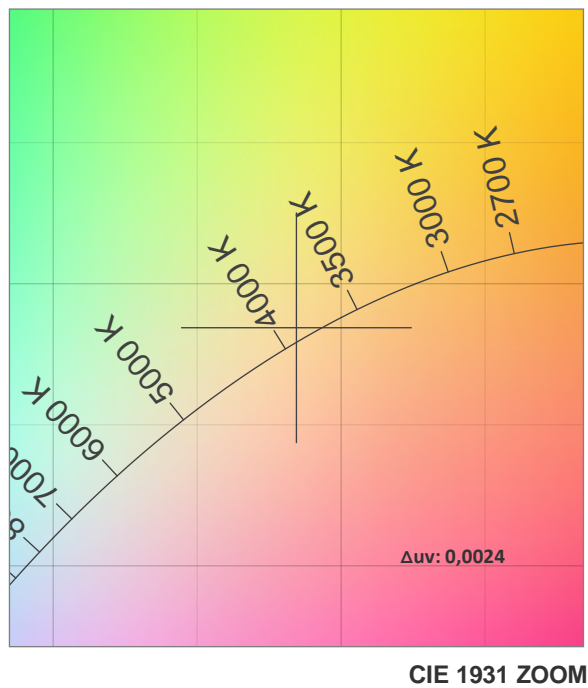
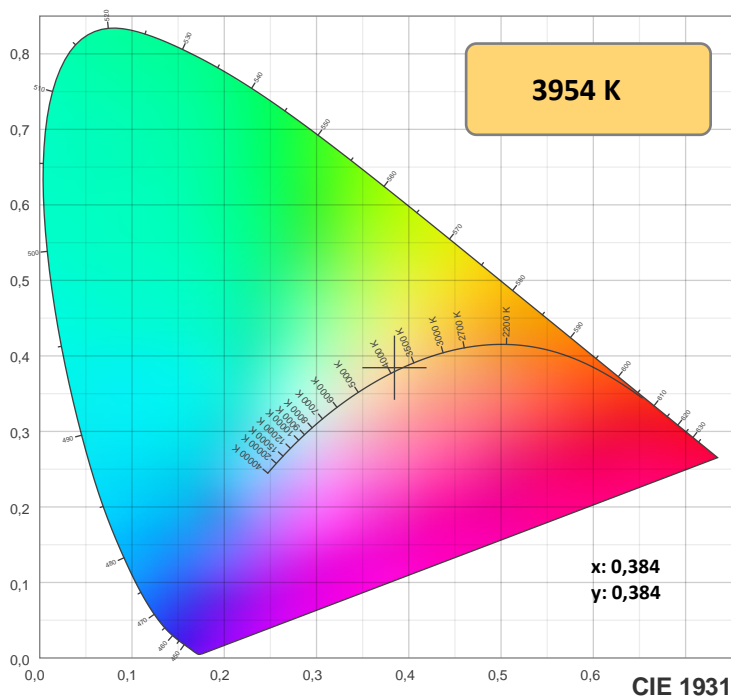
Fidelity index Rf

Rg 92,7

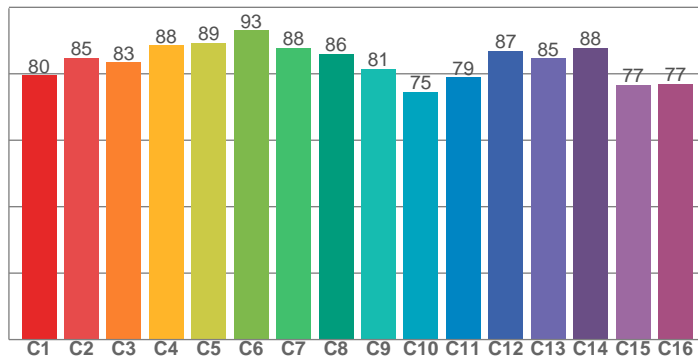
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	85	-6%	5%
3	83	-4%	7%
4	88	-3%	3%
5	89	-5%	1%
6	93	-3%	-1%
7	88	-8%	0%
8	86	-7%	4%
9	81	-6%	12%
10	75	-4%	15%
11	79	5%	13%
12	87	5%	3%
13	85	5%	-9%
14	88	2%	-8%
15	77	-3%	-16%
16	77	-7%	-11%

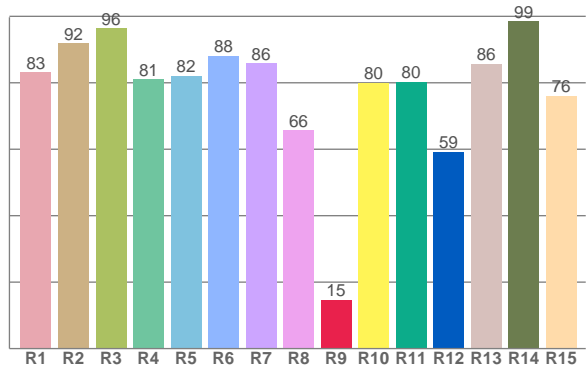




TM-30: 83,6



CRI: 84,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,1	91,9	96,5	81,2	82,1	88,2	85,9	65,7	14,7	80,0	80,3	59,2	85,8	98,6	76,1

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,6	84,8	83,5	88,5	89,4	93,0	87,8	86,0	81,5	74,6	78,9	86,9	84,6	87,9	76,7	77,0

Parametros de cor

Temperatura de cor	Índice de reprodução de cor	Reprodução de cor vermelho R9	Color fidelity	Color gamut	Color quality scale	Coordenada de cor cie 1931	Coordenada de cor cie 1931	Coordenada de cor	Coordenada de cor	Color deviation from black body
CCT	IRC	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3954 K	84,3	14,7	83,6	92,7	83,3	0,384	0,384	0,225	0,337	0,0024

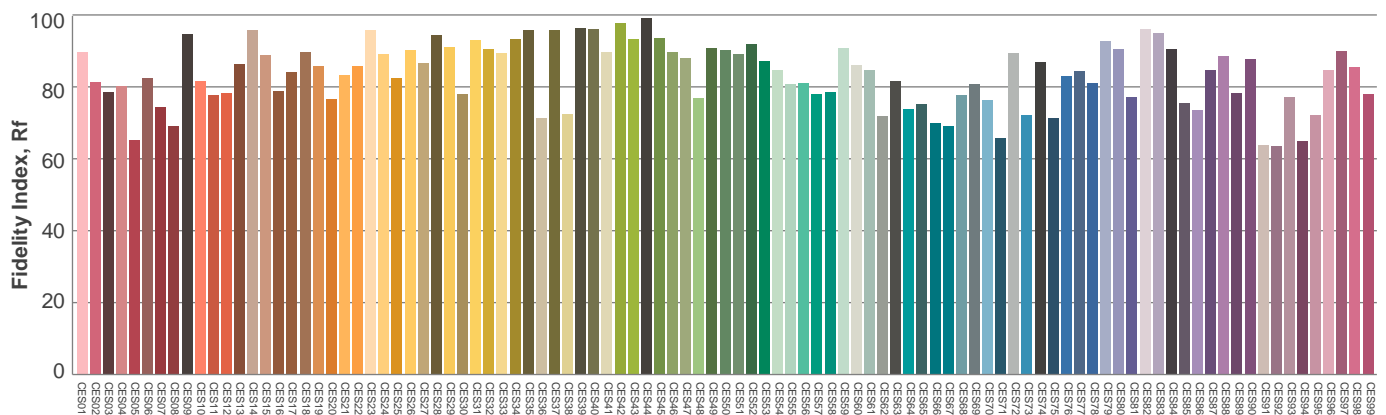
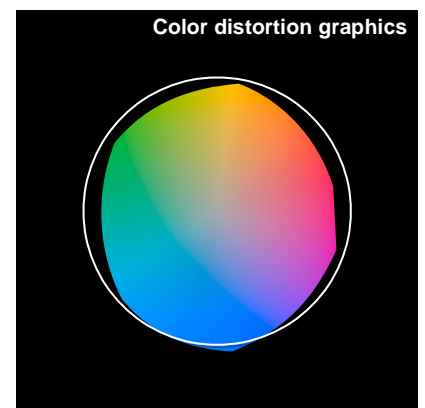
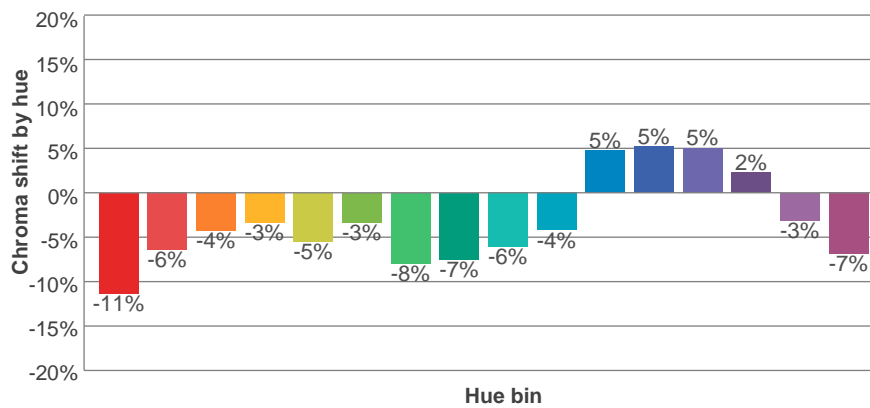
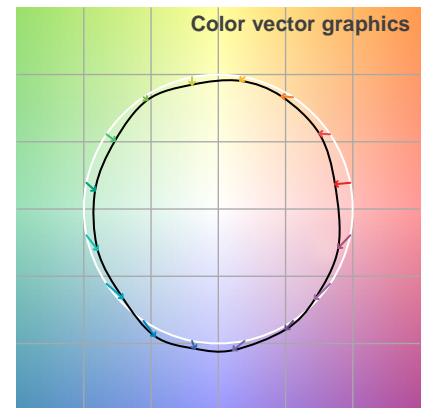
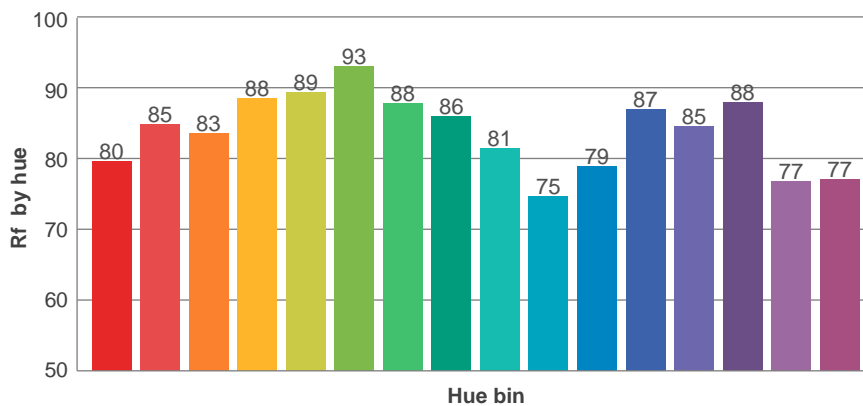
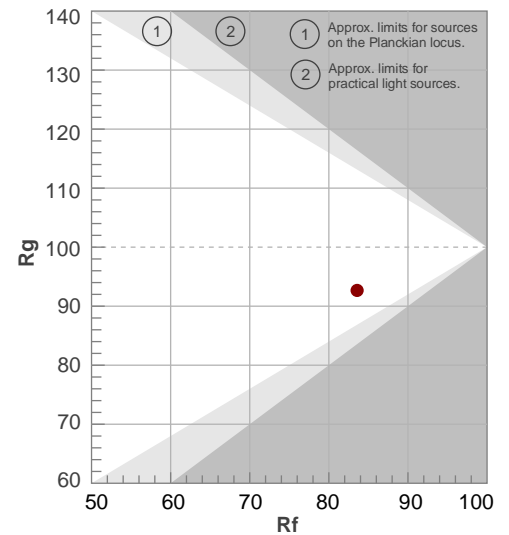
Rf 83,6

Fidelity index Rf

Rg 92,7

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	85	-6%	5%
3	83	-4%	7%
4	88	-3%	3%
5	89	-5%	1%
6	93	-3%	-1%
7	88	-8%	0%
8	86	-7%	4%
9	81	-6%	12%
10	75	-4%	15%
11	79	5%	13%
12	87	5%	3%
13	85	5%	-9%
14	88	2%	-8%
15	77	-3%	-16%
16	77	-7%	-11%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

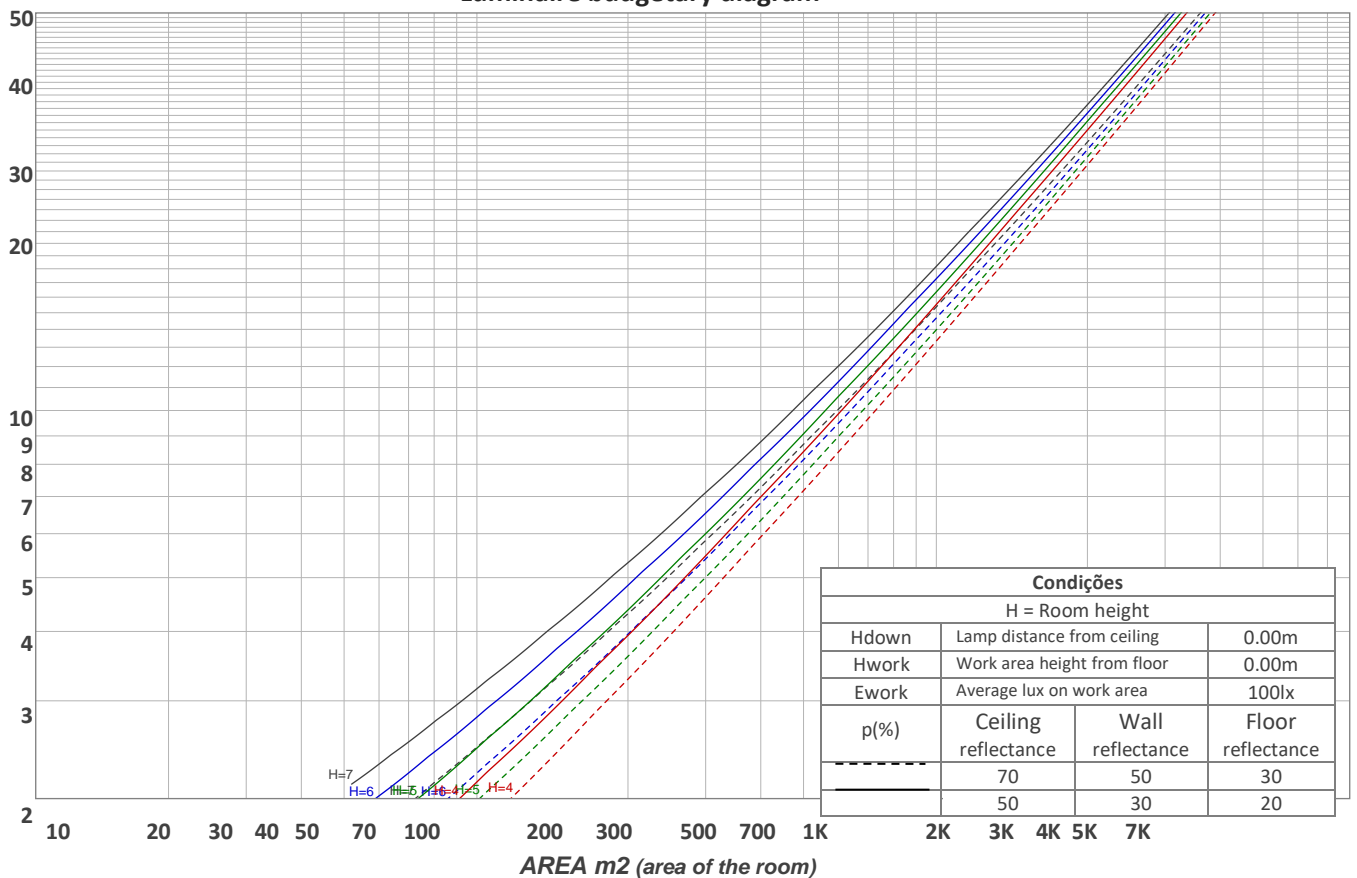
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	24,5	25,7	24,7	26,0	26,2	24,3	25,5	24,5	25,8	26,0
	3H	25,9	27,2	26,4	27,5	27,7	25,7	26,9	26,1	27,2	27,4
	4H	26,6	27,8	27,0	28,0	28,3	26,3	27,5	26,7	27,7	28,0
	6H	27,0	28,1	27,4	28,4	28,8	26,8	27,8	27,1	28,1	28,5
	8H	27,1	28,2	27,5	28,5	28,9	26,9	27,9	27,2	28,2	28,6
	12H	27,2	28,2	27,6	28,5	29,0	26,9	27,9	27,3	28,3	28,7
4H	2H	25,1	26,3	25,5	26,5	26,8	24,9	26,1	25,3	26,4	26,6
	3H	26,9	27,8	27,2	28,2	28,7	26,6	27,6	27,0	27,9	28,4
	4H	27,5	28,4	28,0	28,8	29,4	27,2	28,2	27,7	28,6	29,1
	6H	28,0	28,9	28,5	29,3	29,6	27,8	28,6	28,3	29,0	29,4
	8H	28,2	29,0	28,7	29,3	29,7	27,9	28,7	28,5	29,1	29,5
	12H	28,3	28,9	28,8	29,4	29,8	28,0	28,7	28,5	29,1	29,6
8H	4H	27,8	28,6	28,3	28,9	29,3	27,5	28,3	28,0	28,7	29,1
	6H	28,4	29,0	28,9	29,5	30,1	28,2	28,8	28,7	29,3	29,9
	8H	28,7	29,2	29,2	29,7	30,4	28,5	29,0	29,0	29,5	30,2
	12H	28,8	29,3	29,4	29,8	30,4	28,7	29,1	29,3	29,6	30,2
12H	4H	27,8	28,4	28,3	28,9	29,4	27,5	28,2	28,0	28,6	29,1
	6H	28,5	29,0	29,0	29,6	30,2	28,3	28,8	28,8	29,4	30,0
	8H	28,8	29,2	29,4	29,7	30,3	28,6	29,0	29,2	29,5	30,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,1 / -0,2					0,2 / -0,2				
S = 2.0H		0,4 / -0,5					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8160 lm total luminous flux											

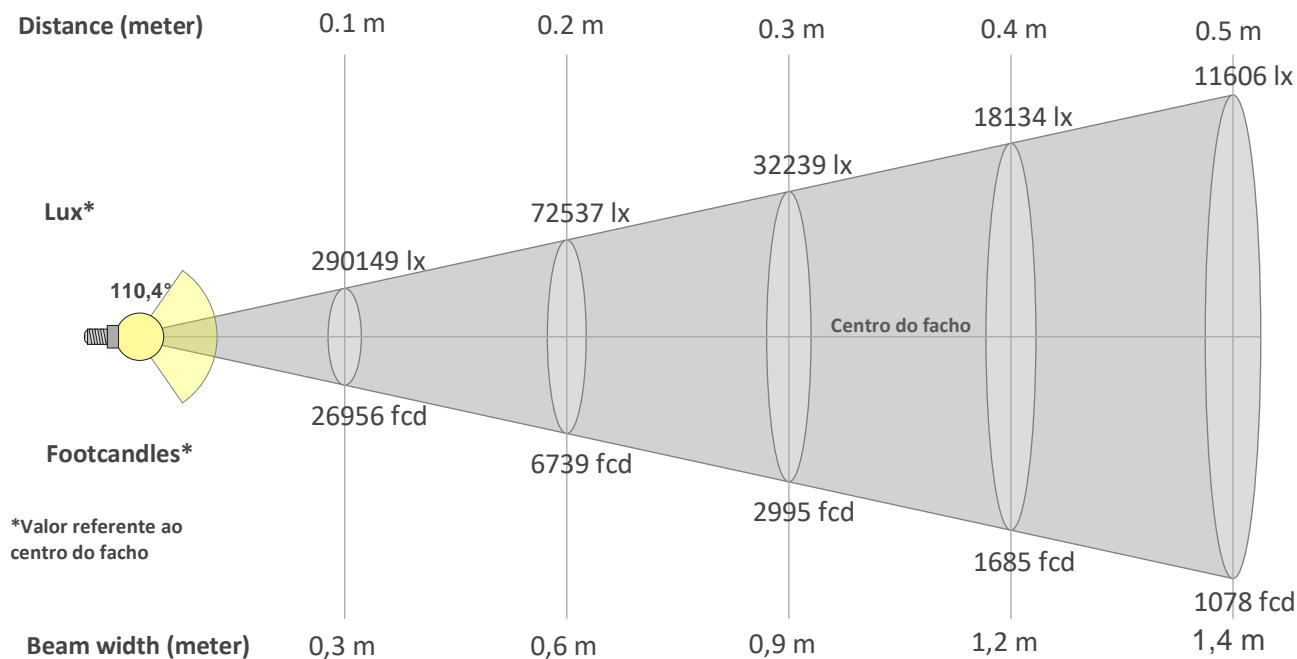
Coeficiente de utilização

Ceiling reflectance	80				70				50			30			10			0
Wall reflectance	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
Floor reflectance	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	0
RCR	(RCR: Room Cavity Ratio) Room Values are expressed as percentage of Lumens delivered to the task surface																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	101	101	101	99
1	108	104	99	95	106	101	97	94	97	93	90	93	90	88	89	87	85	83
2	98	90	83	77	96	88	82	76	84	79	74	81	76	72	78	74	71	68
3	89	79	70	64	87	77	69	63	74	67	62	71	65	61	68	64	59	57
4	82	69	60	54	79	68	60	53	65	58	52	63	57	52	61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	54	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	42	36	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	27	26
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

Quantidade de luminárias

Luminaire budgetary diagram





Beam intensities from 1-20m

1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m	16m	17m	18m	19m	20m
3,3ft	6,6ft	9,8ft	13,1ft	16,4ft	19,7ft	23ft	26,2ft	29,5ft	32,8ft	36,1ft	39,4ft	42,7ft	45,9ft	49,2ft	52,5ft	55,8ft	59,1ft	62,3ft	65,6ft
2901lx	725lx	322lx	181lx	116lx	81lx	59lx	45lx	36lx	29lx	24lx	20lx	17lx	15lx	13lx	11lx	10lx	9lx	8lx	7lx
269,6fcd	67,4fcd	30fcd	16,8fcd	10,8fcd	7,5fcd	5,5fcd	4,2fcd	3,3fcd	2,7fcd	2,2fcd	1,9fcd	1,6fcd	1,4fcd	1,2fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,7fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2901	2886	2846	2780	2687	2569	2432	2273	2097	1907	1701	1487	1261	1025	781	532	299	112	13	5
100%	99%	98%	96%	93%	89%	84%	78%	72%	66%	59%	51%	43%	35%	27%	18%	10%	4%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2901	2885	2839	2768	2665	2539	2393	2226	2045	1850	1644	1429	1206	978	743	511	295	115	7	4
100%	99%	98%	95%	92%	88%	82%	77%	70%	64%	57%	49%	42%	34%	26%	18%	10%	4%	0%	0%

Intensities in 180° c-plane

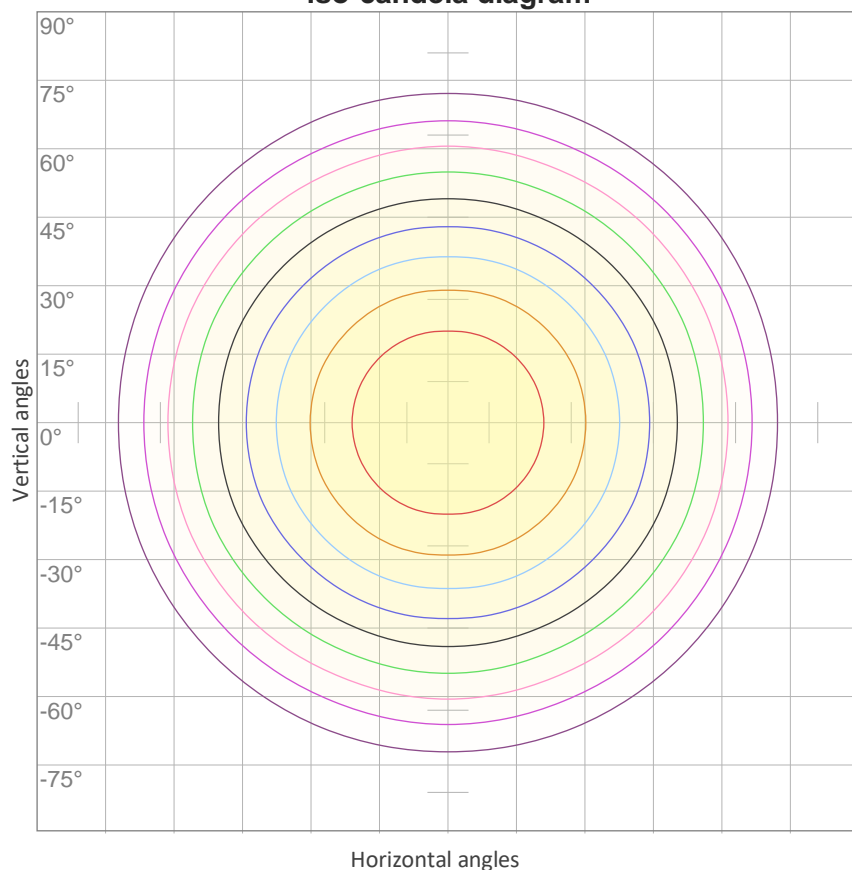
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2901	2886	2846	2780	2687	2569	2432	2273	2097	1907	1701	1487	1261	1025	781	532	299	112	13	5
100%	99%	98%	96%	93%	89%	84%	78%	72%	66%	59%	51%	43%	35%	27%	18%	10%	4%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2901	2885	2839	2768	2665	2539	2393	2226	2045	1850	1644	1429	1206	978	743	511	295	115	7	4
100%	99%	98%	95%	92%	88%	82%	77%	70%	64%	57%	49%	42%	34%	26%	18%	10%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
110,4°	160,6°	174,4°	76,7%	51,8%

iso-candela diagram



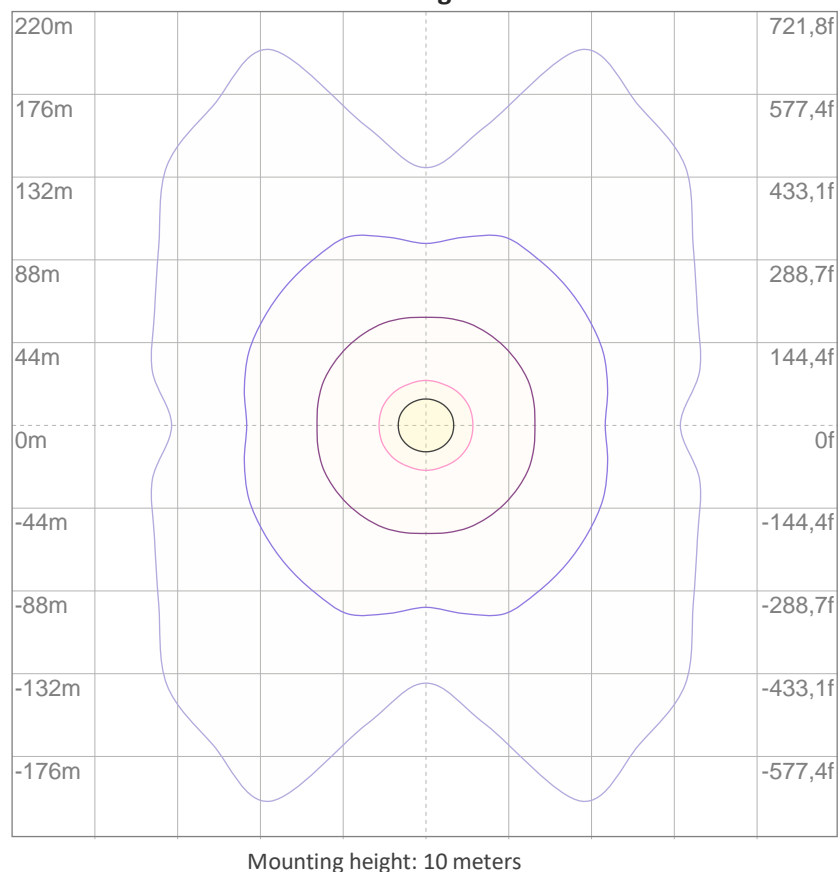
10%	290 cd
20%	580 cd
30%	870 cd
40%	1161 cd
50%	1451 cd
60%	1741 cd
70%	2031 cd
80%	2321 cd
90%	2611 cd

Conditions:

Number of c-planes: 16

Candela at center: 2901 cd

iso-lux diagram



3%	0,870 lx
5%	1,45 lx
10%	2,90 lx
30%	8,70 lx
50%	14,5 lx

Conditions:

Number of c-planes: 16

Lux at center: 29,0 lx

Lux distribution on a surface when lamp is mounted at 10 meters from the surface.

Potência

Vttagem: 239 V
Corrente: 0,364 A
Frequência: 0 Hz
FP: 0,55

THD



THD corrente: n/a
THD tensão: n/a