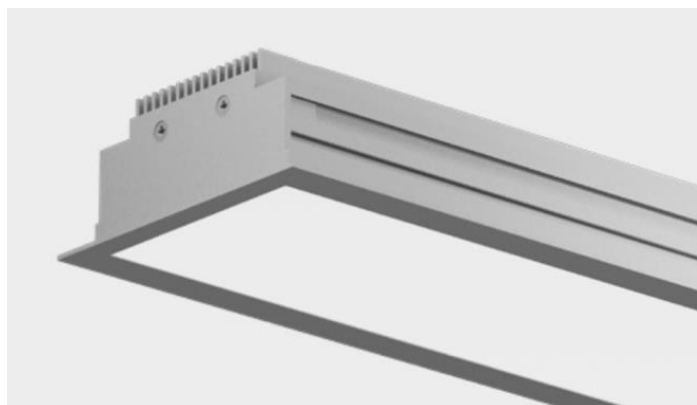


SLED9116 E70 BARRA 2XM80L 45° 4000K 80 400mm



Fluxo luminoso – 4080 lm/m

Potência – 46,0 W/m

Intensidade pico – 1451cd

CCT – 3954K

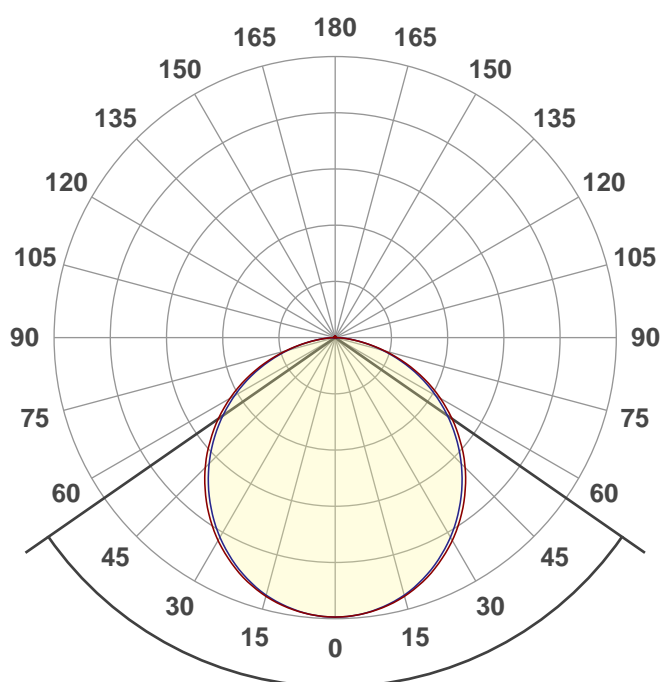


IRC – 84,3

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

Data do ensaio

08/11/2022 11:26:57



Facho de abertura

110,4°

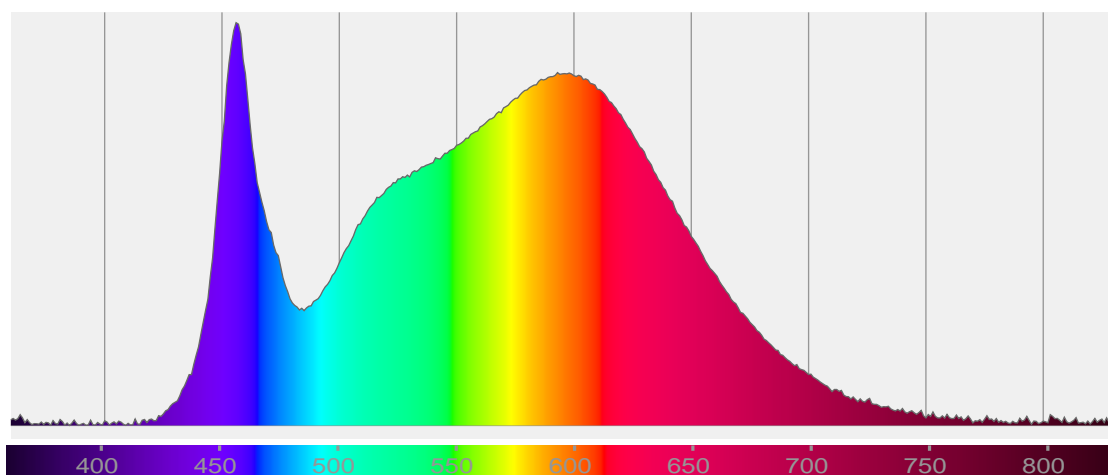
Rf 83,6

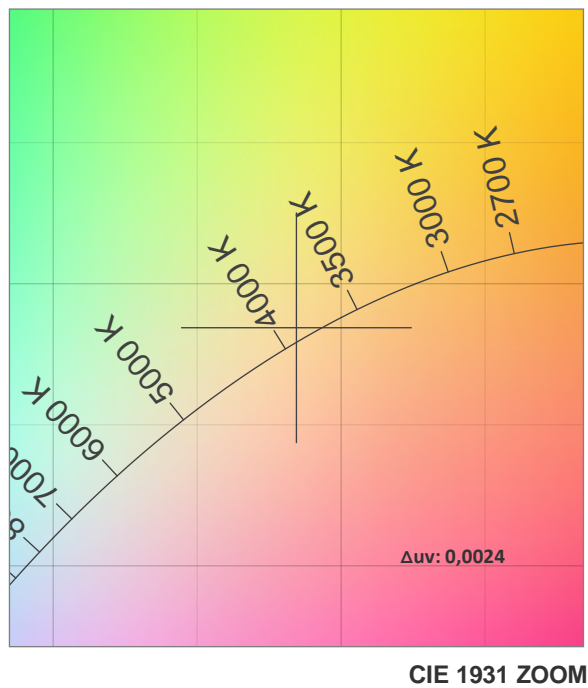
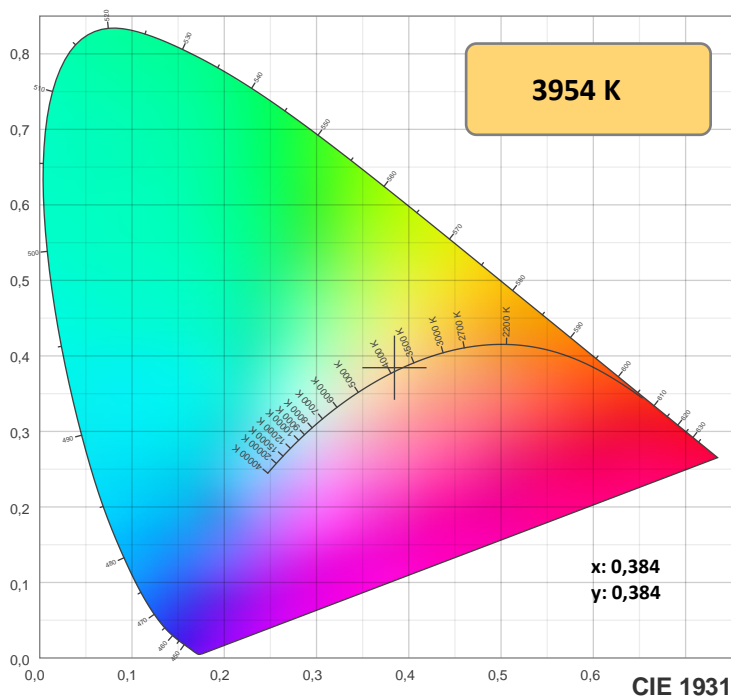
Fidelity index Rf

Rg 92,7

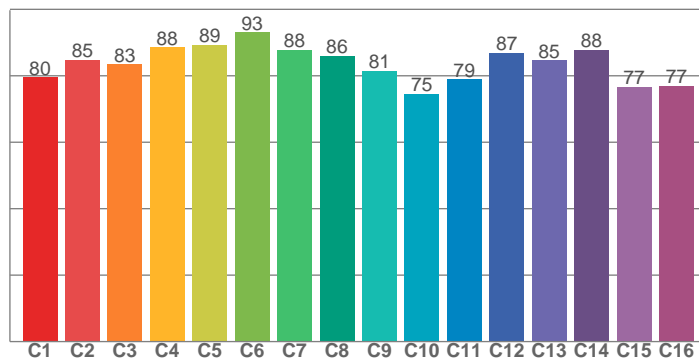
Gamut index Rg

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%

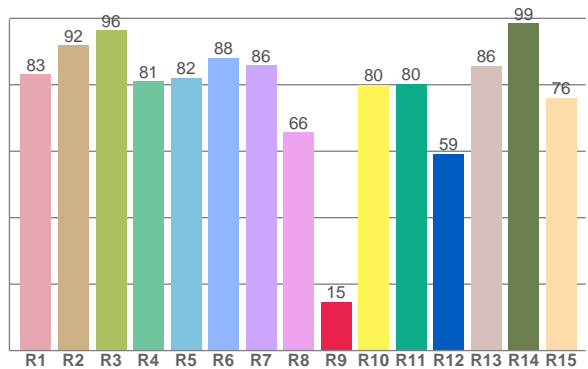




TM-30: 83,6



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

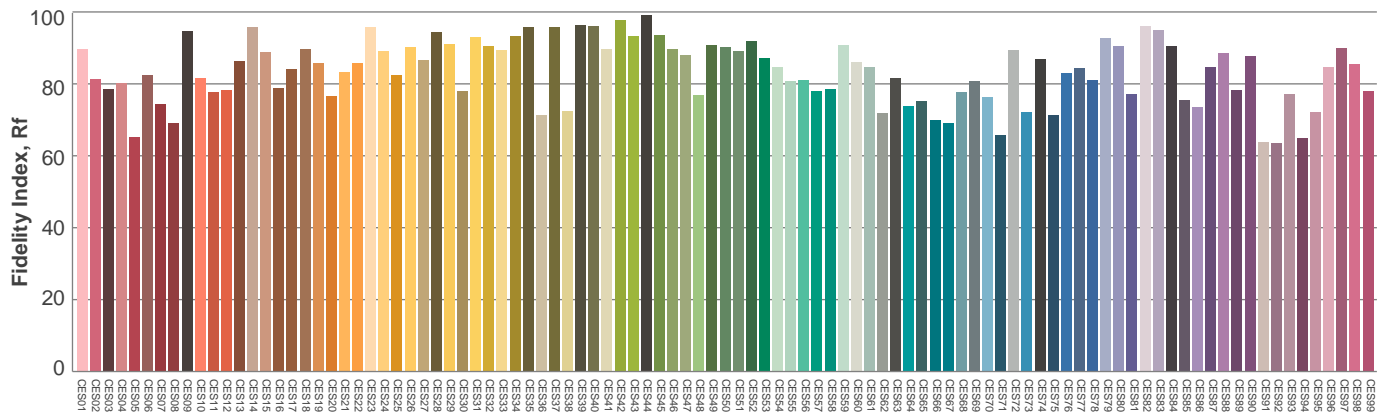
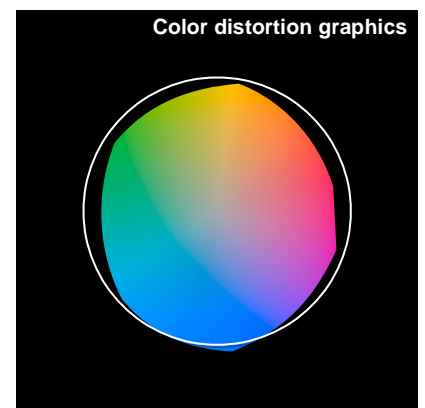
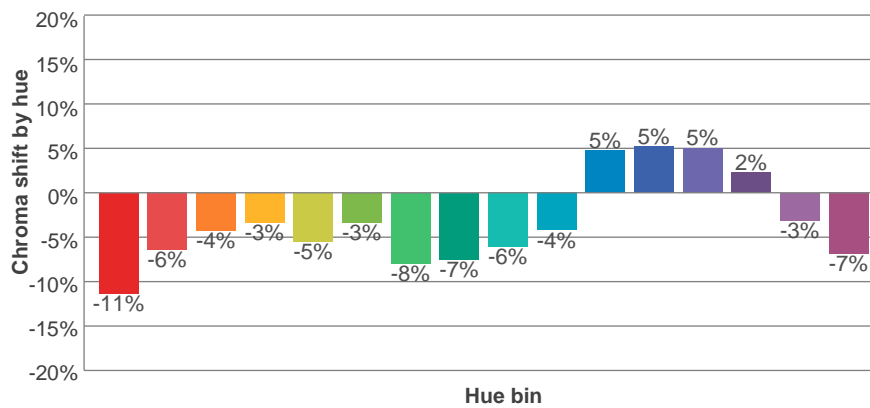
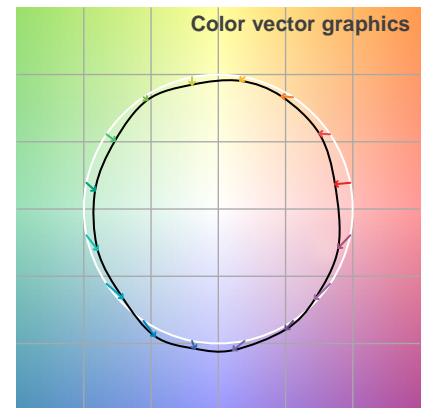
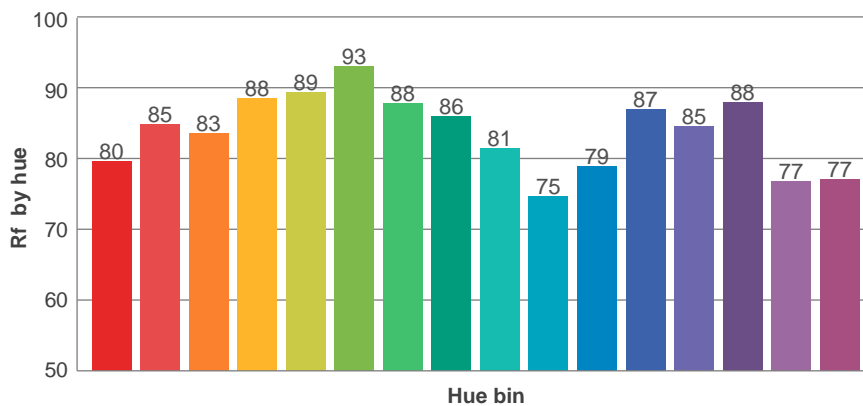
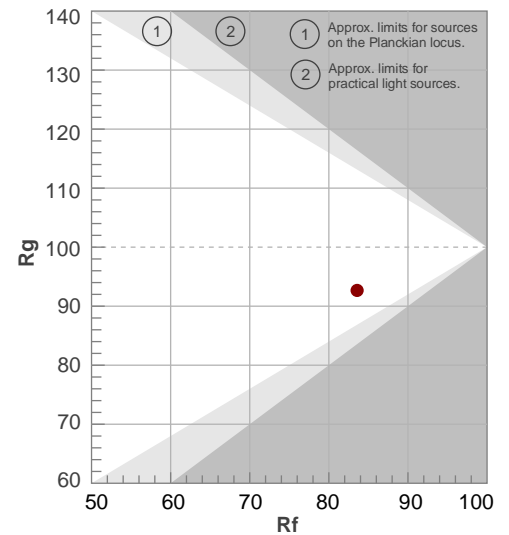
Rf 83,6

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

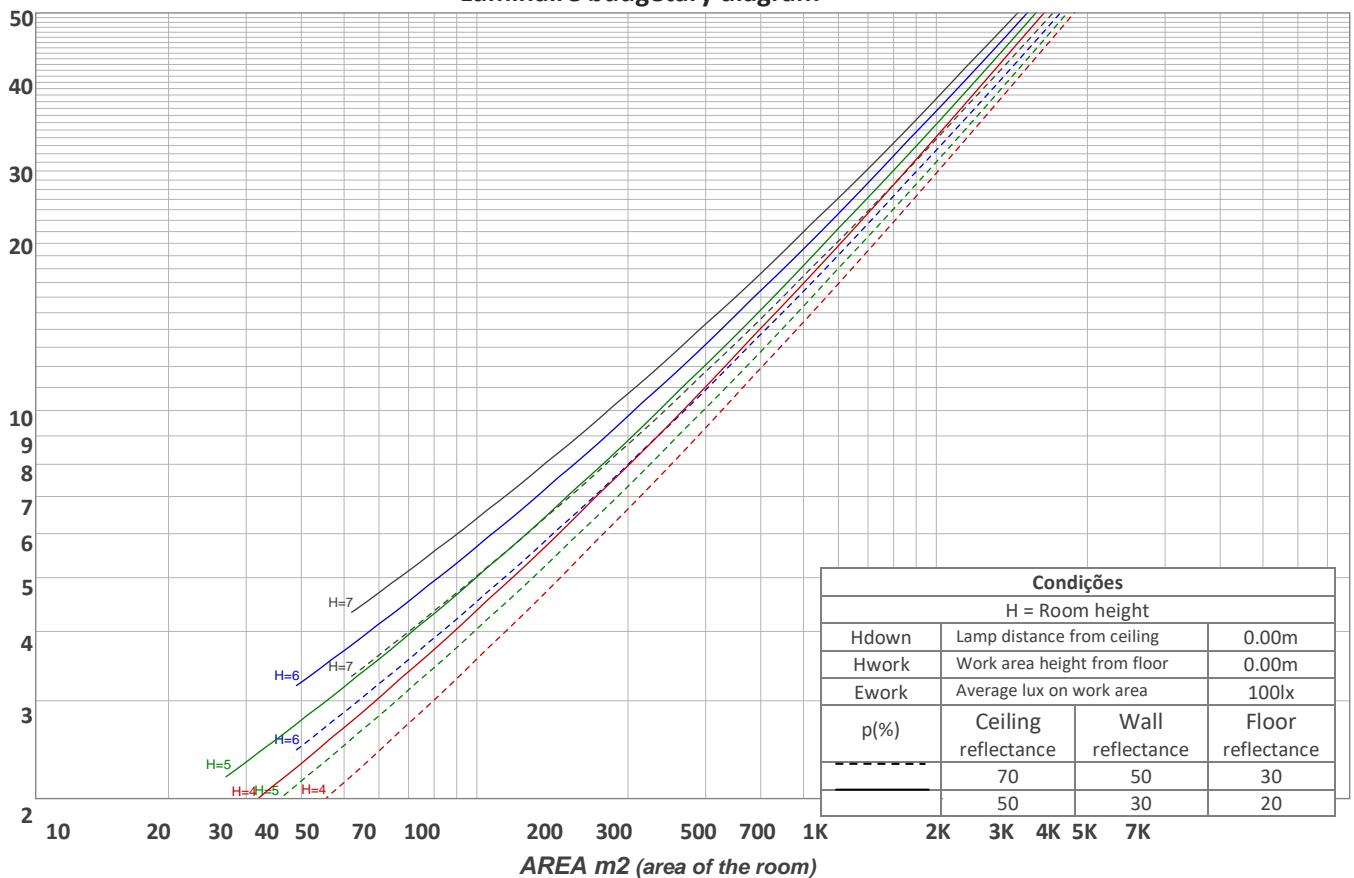
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	26,0	27,2	26,2	27,5	27,7	25,7	26,9	26,0	27,3	27,5
	3H	27,4	28,7	27,9	29,0	29,2	27,1	28,4	27,6	28,7	28,9
	4H	28,0	29,2	28,5	29,5	29,8	27,7	28,9	28,2	29,2	29,5
	6H	28,5	29,6	28,8	29,8	30,2	28,2	29,3	28,6	29,6	30,0
	8H	28,6	29,6	29,0	29,9	30,4	28,3	29,4	28,7	29,7	30,1
	12H	28,6	29,6	29,0	30,0	30,4	28,4	29,4	28,8	29,7	30,2
4H	2H	26,5	27,7	27,0	28,0	28,3	26,4	27,6	26,8	27,8	28,1
	3H	28,3	29,3	28,7	29,7	30,1	28,1	29,1	28,5	29,4	29,9
	4H	29,0	29,9	29,4	30,3	30,9	28,7	29,6	29,2	30,1	30,6
	6H	29,5	30,4	30,0	30,7	31,1	29,2	30,1	29,8	30,5	30,9
	8H	29,6	30,4	30,2	30,8	31,2	29,4	30,2	29,9	30,6	31,0
	12H	29,7	30,4	30,2	30,8	31,3	29,5	30,2	30,0	30,6	31,1
8H	4H	29,2	30,0	29,8	30,4	30,8	29,0	29,8	29,5	30,2	30,6
	6H	29,9	30,5	30,4	31,0	31,5	29,7	30,3	30,2	30,8	31,3
	8H	30,2	30,7	30,7	31,2	31,9	30,0	30,5	30,5	31,0	31,7
	12H	30,3	30,8	30,9	31,3	31,9	30,1	30,6	30,7	31,1	31,7
12H	4H	29,2	29,9	29,8	30,3	30,8	29,0	29,7	29,5	30,1	30,6
	6H	30,0	30,5	30,5	31,0	31,7	29,8	30,3	30,3	30,8	31,5
	8H	30,2	30,7	30,8	31,2	31,8	30,1	30,5	30,6	31,0	31,6
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 4080 lm total luminous flux											

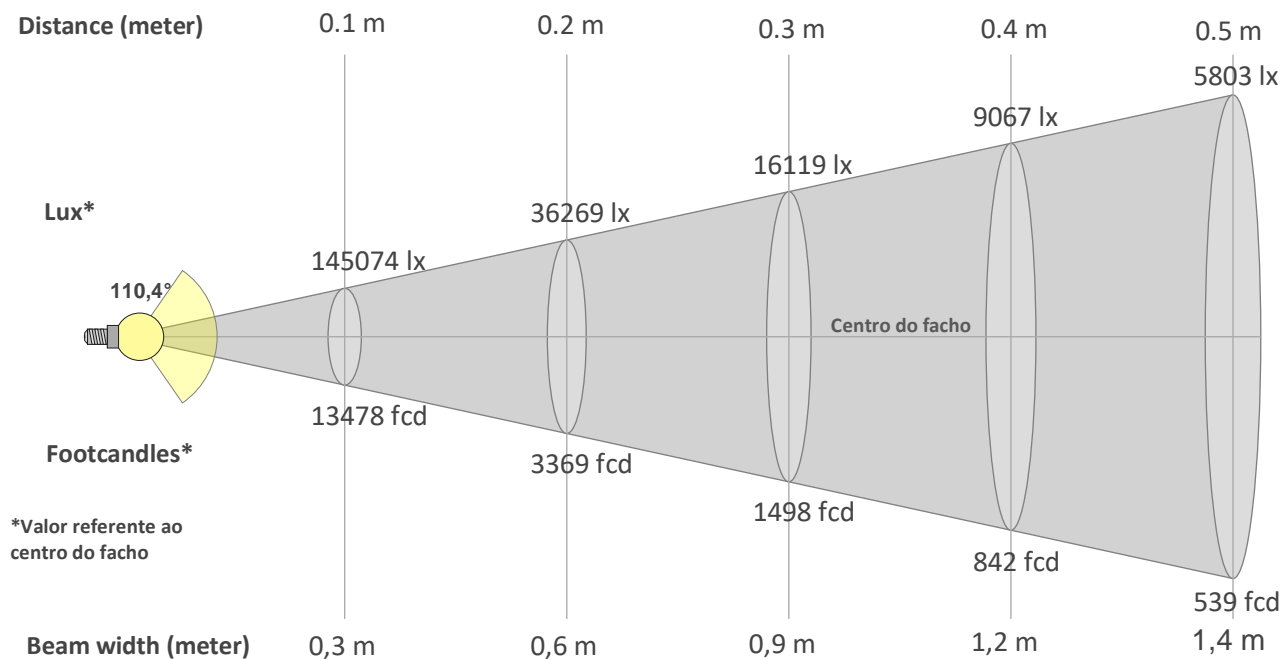
Coefficiente de utilização

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
1451lx	363lx	161lx	91lx	58lx	40lx	30lx	23lx	18lx	15lx	12lx	10lx	9lx	7lx	6lx	6lx	5lx	4lx	4lx	4lx
134,8fcd	33,7fcd	15fcd	8,4fcd	5,4fcd	3,7fcd	2,8fcd	2,1fcd	1,7fcd	1,3fcd	1,1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd	0,5fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd

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°
1451	1443	1423	1390	1344	1284	1216	1136	1048	954	851	743	630	513	390	266	150	56	7	3
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°
1451	1443	1420	1384	1333	1270	1196	1113	1023	925	822	714	603	489	371	255	148	57	4	2
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

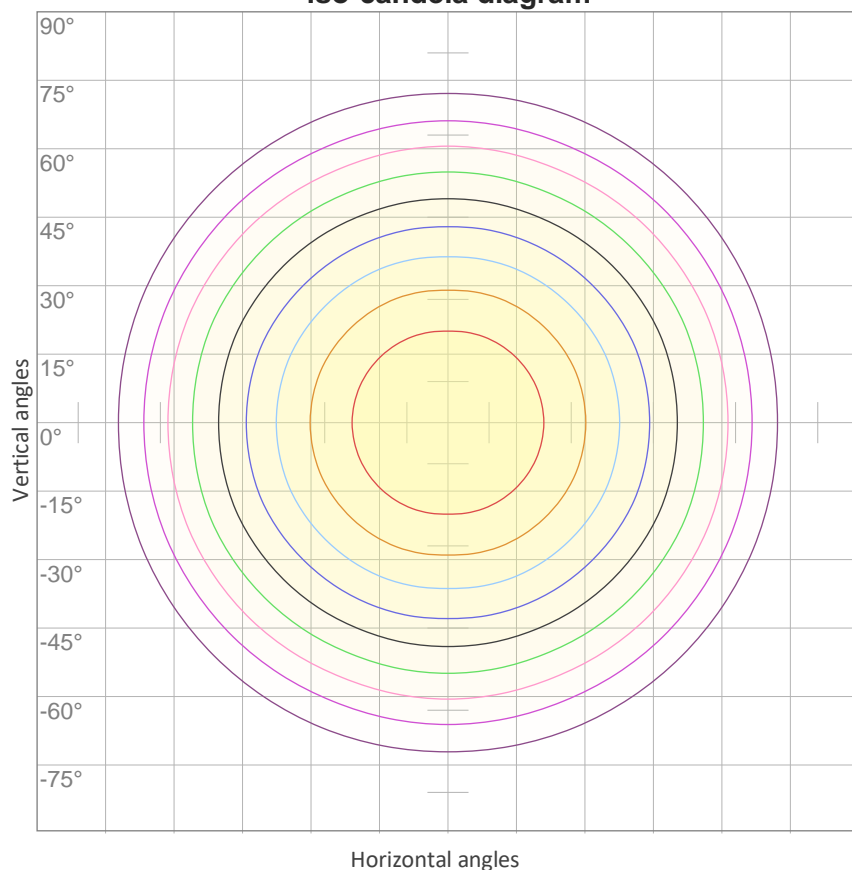
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1451	1443	1423	1390	1344	1284	1216	1136	1048	954	851	743	630	513	390	266	150	56	7	3
100%	99%	98%	96%	93%	89%	84%	78%	72%	66%	59%	51%	43%	35%	27%	18%	10%	4%	0%	0%

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°
1451	1443	1420	1384	1333	1270	1196	1113	1023	925	822	714	603	489	371	255	148	57	4	2
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



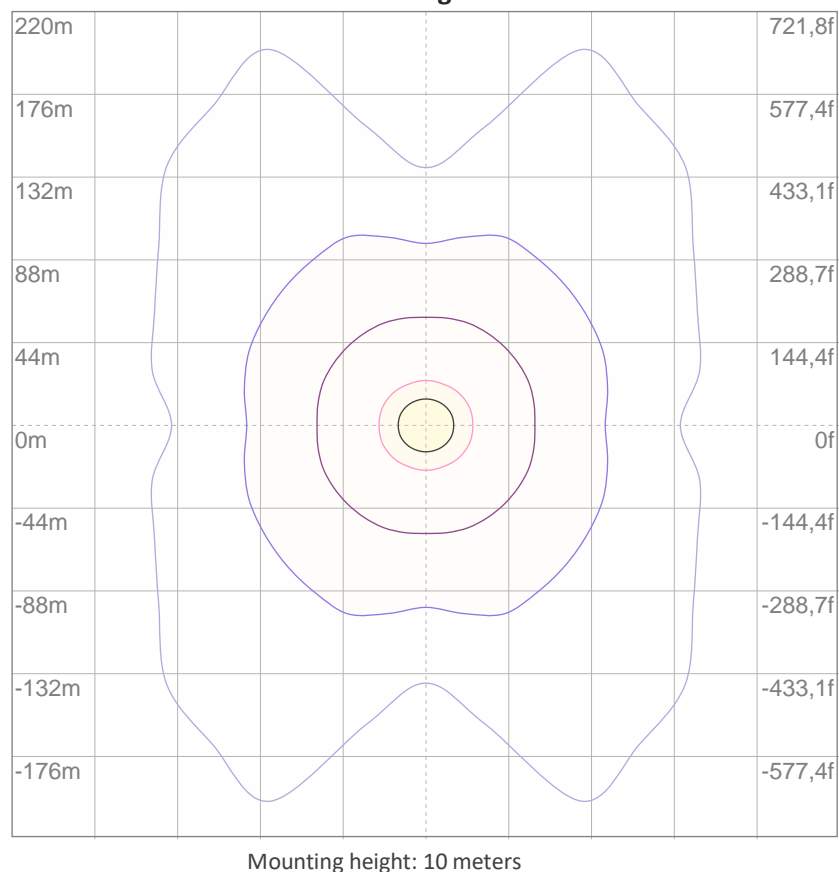
10%	145 cd
20%	290 cd
30%	435 cd
40%	580 cd
50%	725 cd
60%	870 cd
70%	1016 cd
80%	1161 cd
90%	1306 cd

Conditions:

Number of c-planes: 16

Candela at center: 1451 cd

iso-lux diagram



3%	0,435 lx
5%	0,725 lx
10%	1,45 lx
30%	4,35 lx
50%	7,25 lx

Conditions:

Number of c-planes: 16

Lux at center: 14,5 lx

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

Potência

Vttagem: 239 V
Corrente: 0,192 A
Frequência: 0 Hz
FP: 0,55

THD



THD corrente: n/a
THD tensão: n/a