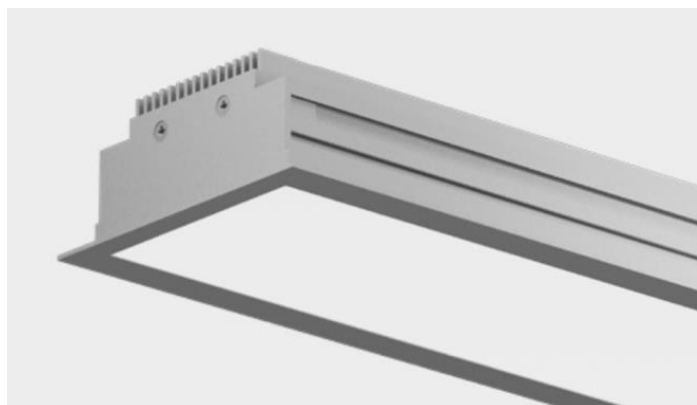


SLED9114 E70 BARRA 2XM80B 198W 4000K 80 2724mm



Fluxo luminoso – 18360 lm/m

Potência – 196,1 W/m

Intensidade pico – 6529cd

CCT – 3954K

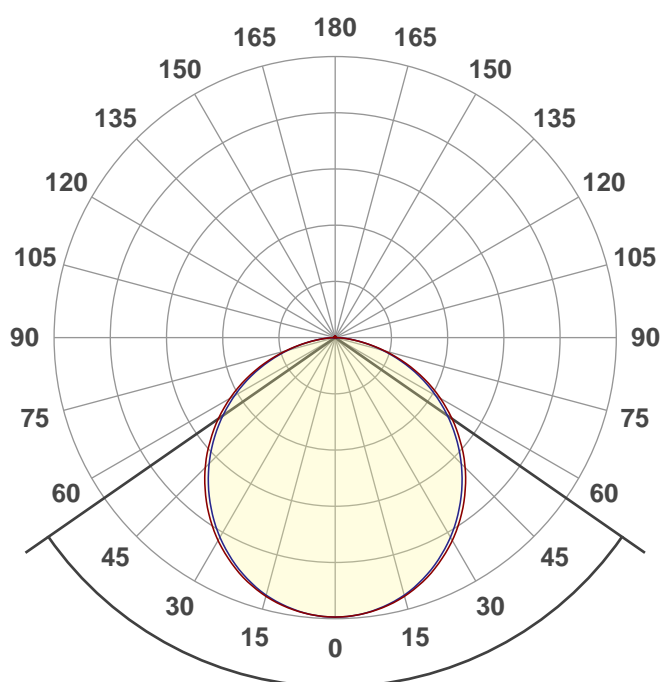


IRC – 84,3

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

Data do ensaio

08/11/2022 11:26:57



Facho de abertura

110,4°

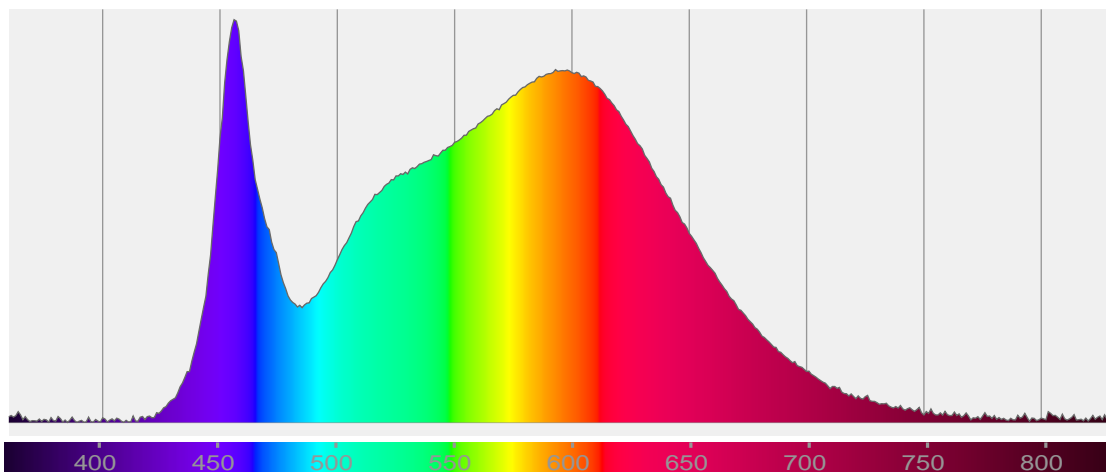
Rf 83,6

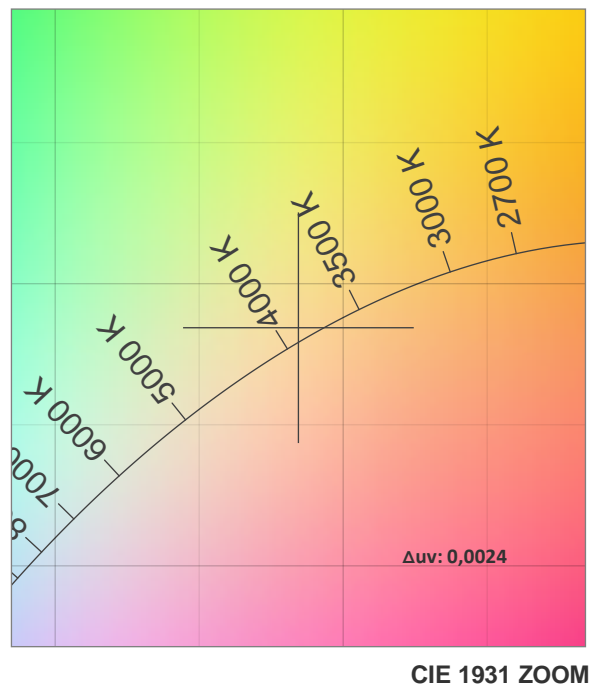
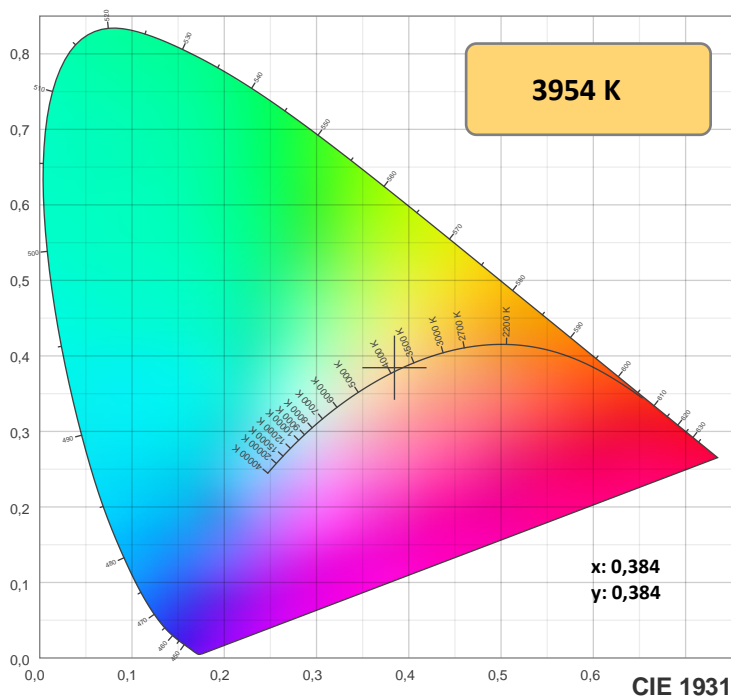
Fidelity index Rf

Rg 92,7

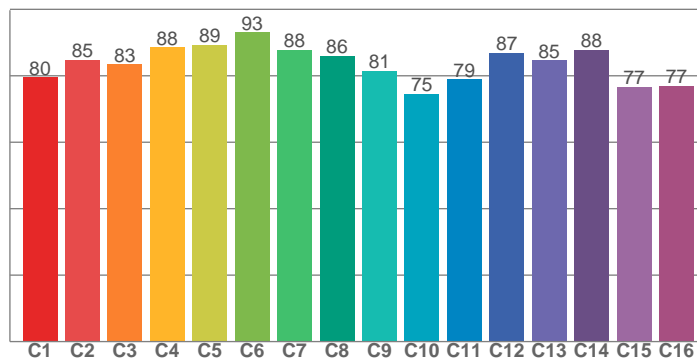
Gamut index Rg

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%

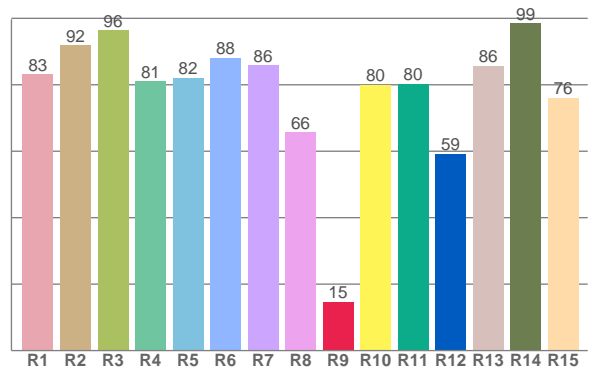




TM-30: 83,6



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

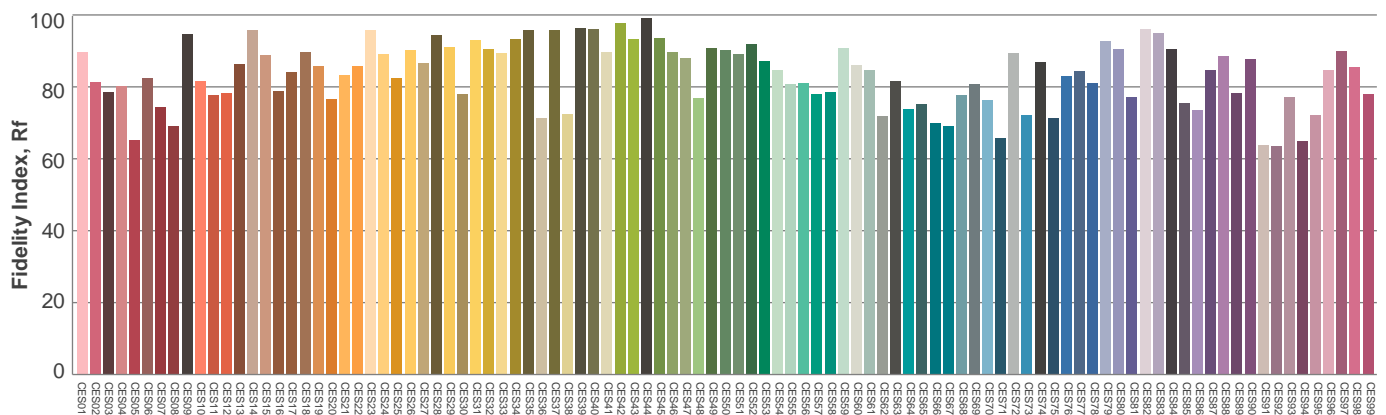
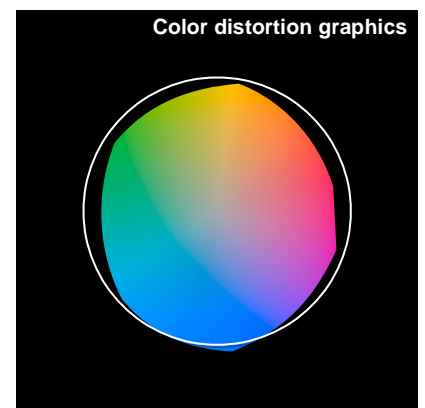
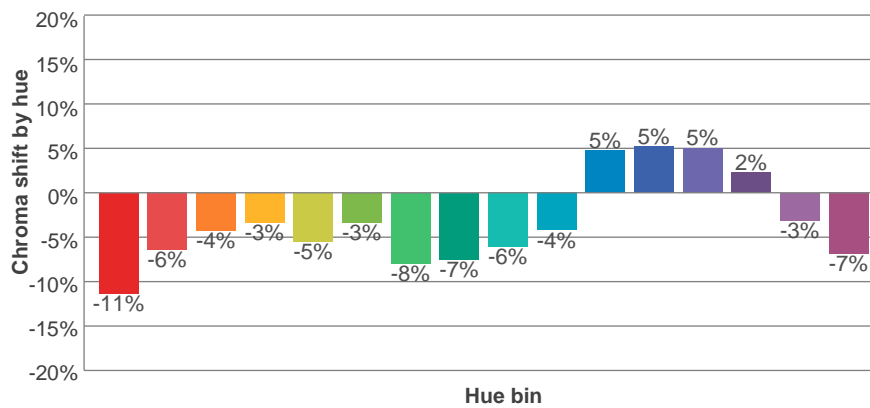
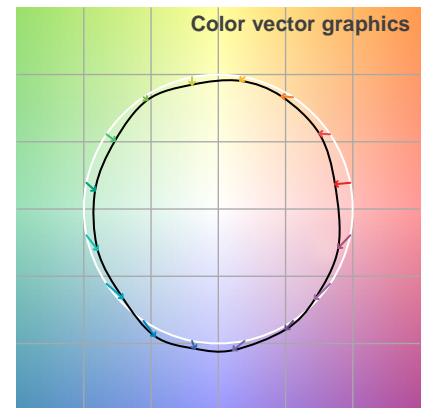
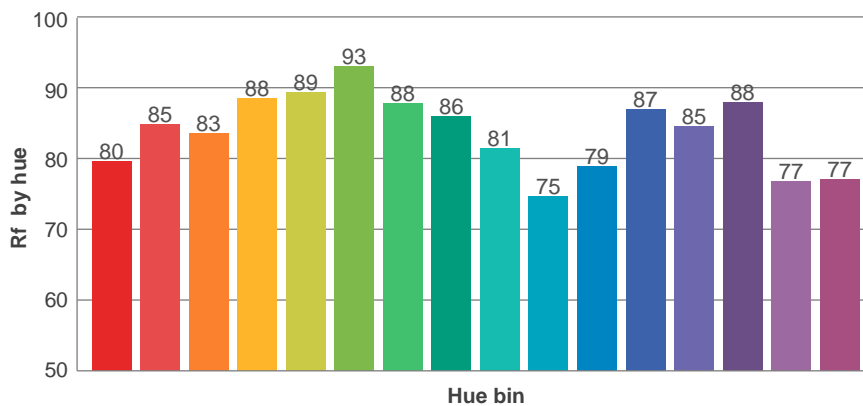
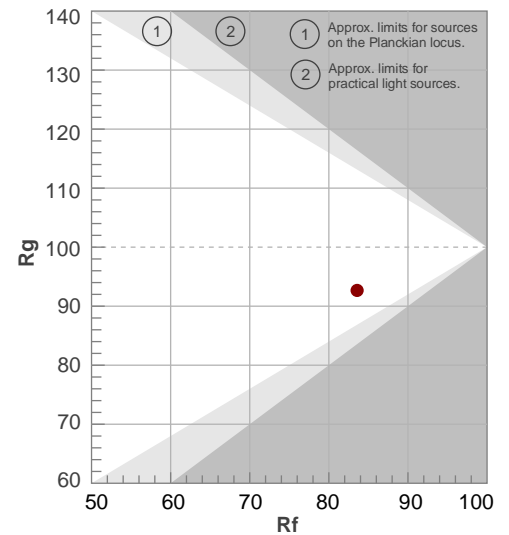
Rf 83,6

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

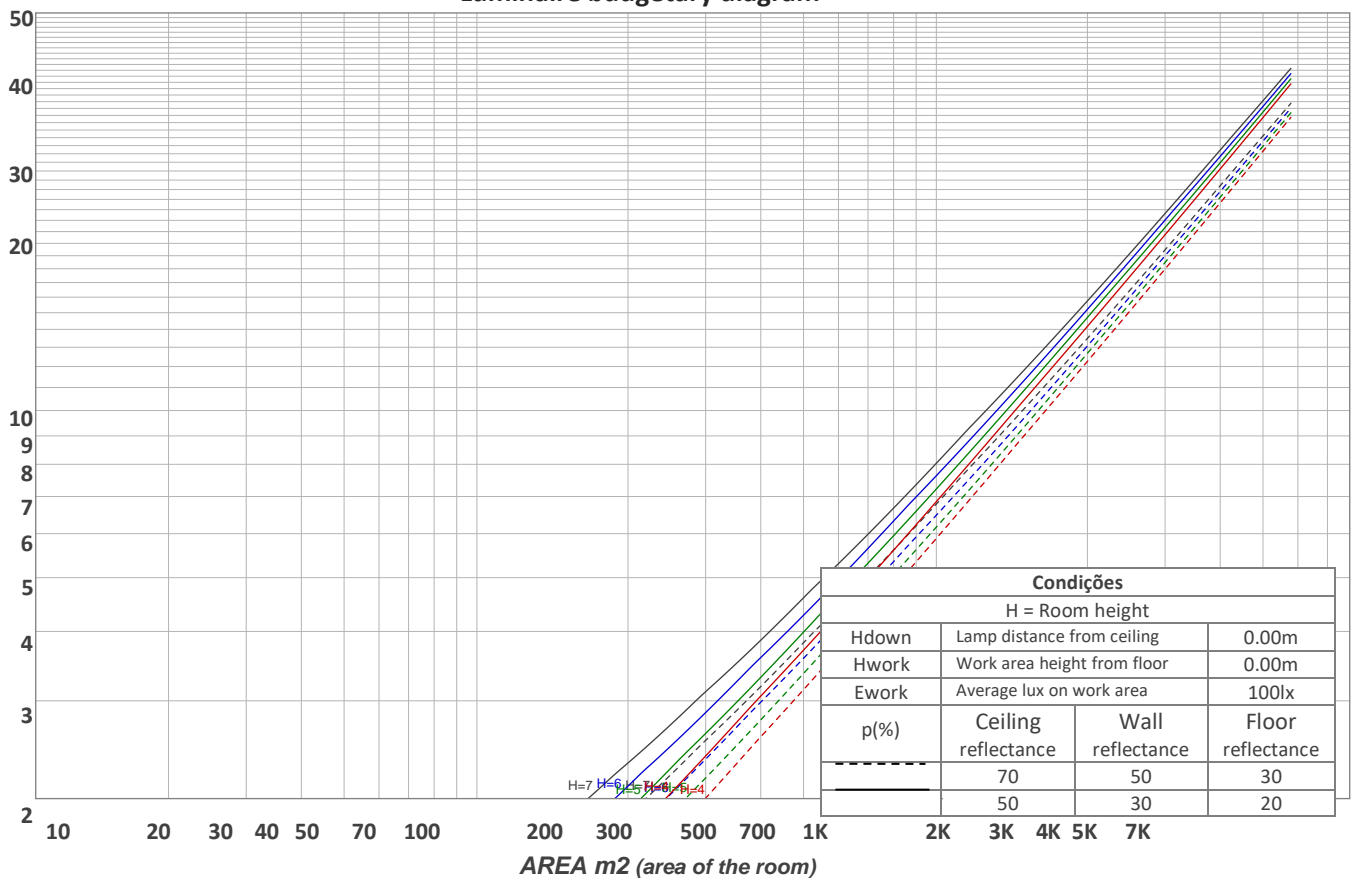
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	24,5	25,7	24,8	26,1	26,3	24,3	25,5	24,5	25,8	26,1
	3H	26,0	27,2	26,4	27,5	27,8	25,7	27,0	26,1	27,3	27,5
	4H	26,6	27,8	27,0	28,1	28,4	26,3	27,5	26,7	27,8	28,1
	6H	27,1	28,1	27,4	28,4	28,8	26,8	27,8	27,1	28,1	28,5
	8H	27,2	28,2	27,5	28,5	28,9	26,9	27,9	27,3	28,2	28,7
	12H	27,2	28,2	27,6	28,5	29,0	27,0	27,9	27,3	28,3	28,8
4H	2H	25,1	26,3	25,5	26,6	26,9	24,9	26,1	25,3	26,4	26,7
	3H	26,9	27,9	27,3	28,2	28,7	26,6	27,6	27,0	28,0	28,4
	4H	27,5	28,5	28,0	28,9	29,4	27,3	28,2	27,7	28,6	29,2
	6H	28,1	28,9	28,6	29,3	29,7	27,8	28,7	28,3	29,0	29,4
	8H	28,2	29,0	28,7	29,4	29,8	28,0	28,8	28,5	29,2	29,5
	12H	28,3	29,0	28,8	29,4	29,9	28,1	28,7	28,6	29,2	29,7
8H	4H	27,8	28,6	28,3	29,0	29,4	27,6	28,4	28,1	28,7	29,1
	6H	28,5	29,1	29,0	29,5	30,1	28,3	28,9	28,8	29,3	29,9
	8H	28,7	29,2	29,2	29,8	30,4	28,5	29,1	29,0	29,6	30,2
	12H	28,9	29,3	29,5	29,8	30,5	28,7	29,1	29,3	29,7	30,3
12H	4H	27,8	28,5	28,3	28,9	29,4	27,6	28,2	28,1	28,7	29,2
	6H	28,5	29,1	29,1	29,6	30,2	28,3	28,9	28,9	29,4	30,0
	8H	28,8	29,2	29,4	29,8	30,4	28,6	29,1	29,2	29,6	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 18360 lm total luminous flux											

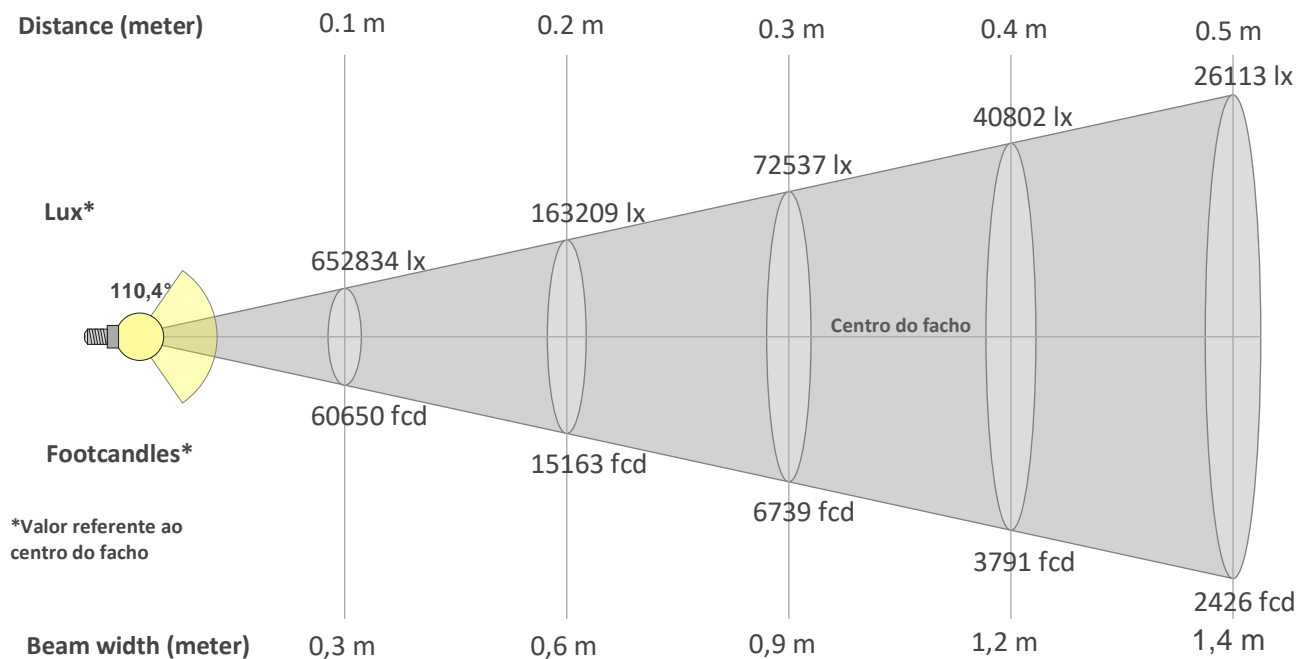
Coeficiente de utilização

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
6528lx	1632lx	725lx	408lx	261lx	181lx	133lx	102lx	81lx	65lx	54lx	45lx	39lx	33lx	29lx	26lx	23lx	20lx	18lx	16lx
606,5fcd	151,6fcd	67,4fcd	37,9fcd	24,3fcd	16,8fcd	12,4fcd	9,5fcd	7,5fcd	6,1fcd	5fcd	4,2fcd	3,6fcd	3,1fcd	2,7fcd	2,4fcd	2,1fcd	1,9fcd	1,7fcd	1,5fcd

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°
6528	6494	6403	6255	6047	5780	5471	5114	4718	4292	3828	3345	2836	2307	1756	1198	673	253	30	12
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°
6528	6492	6388	6227	5997	5713	5384	5009	4601	4164	3699	3215	2714	2201	1671	1149	664	258	17	10
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

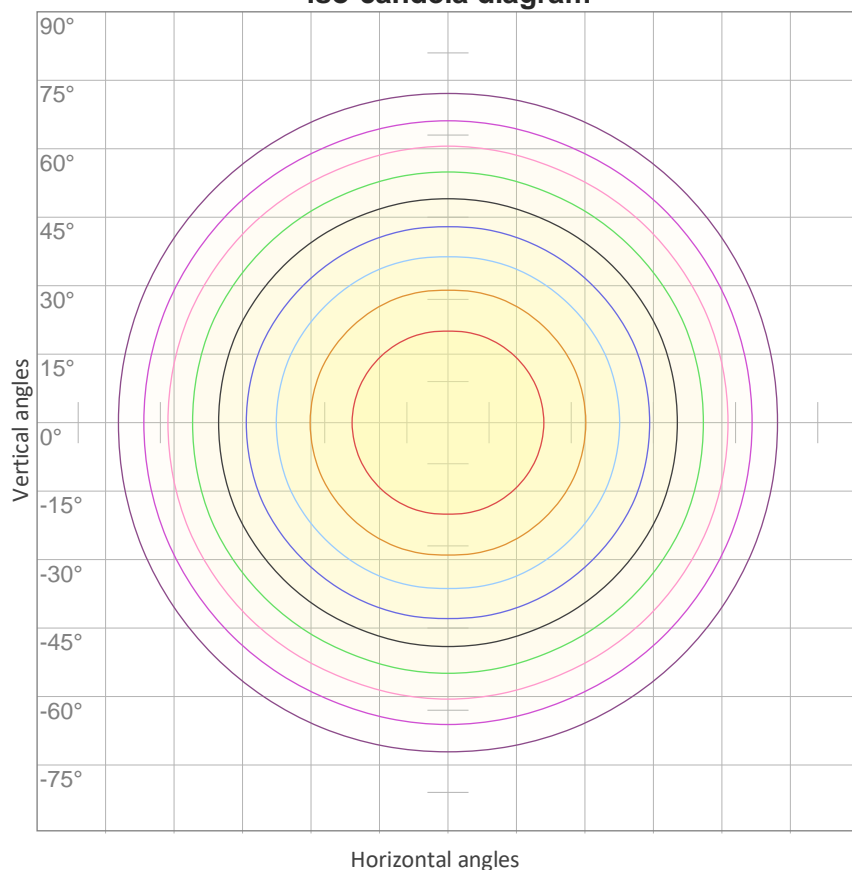
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6528	6494	6403	6255	6047	5780	5471	5114	4718	4292	3828	3345	2836	2307	1756	1198	673	253	30	12
100%	99%	98%	96%	93%	89%	84%	78%	72%	66%	59%	51%	43%	35%	27%	18%	10%	4%	0%	0%

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°
6528	6492	6388	6227	5997	5713	5384	5009	4601	4164	3699	3215	2714	2201	1671	1149	664	258	17	10
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



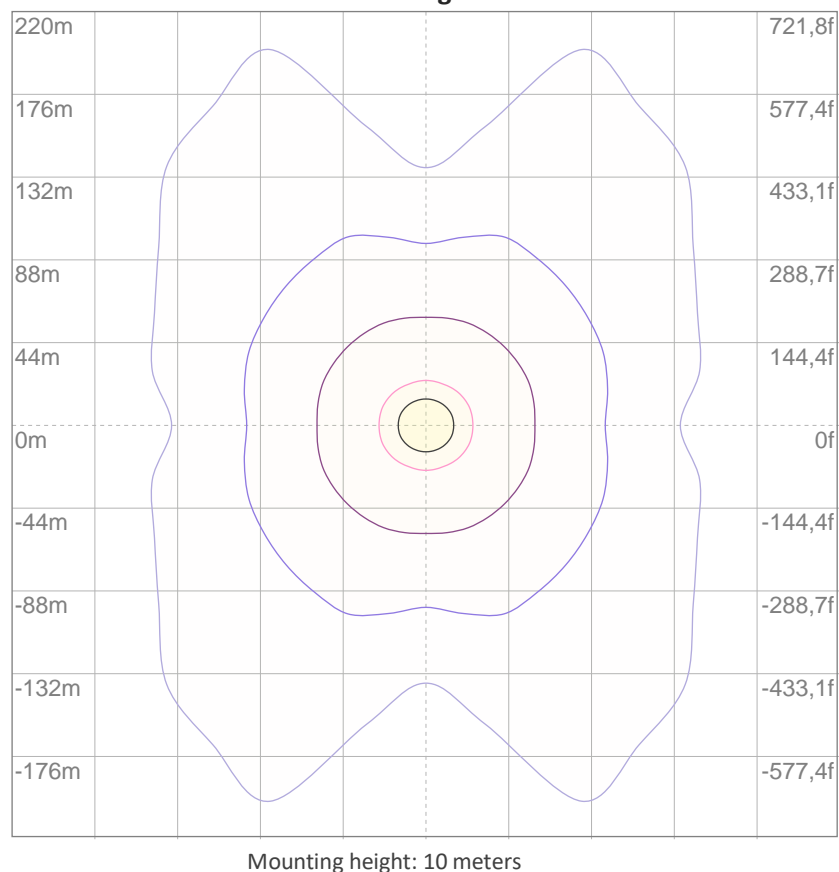
10%	653 cd
20%	1306 cd
30%	1959 cd
40%	2611 cd
50%	3264 cd
60%	3917 cd
70%	4570 cd
80%	5223 cd
90%	5876 cd

Conditions:

Number of c-planes: 16

Candela at center: 6528 cd

iso-lux diagram



3%	1,96 lx
5%	3,26 lx
10%	6,53 lx
30%	19,6 lx
50%	32,6 lx

Conditions:

Number of c-planes: 16

Lux at center: 65,3 lx

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

Potência

Vttagem: 239 V
Corrente: 0,819 A
Frequência: 0 Hz
FP: 0,95

THD



THD corrente: n/a
THD tensão: n/a