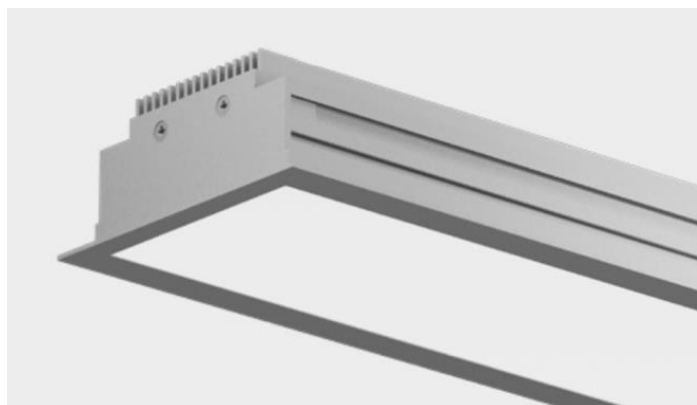


SLED9114 E70 BARRA 2XM80B 198W 3000K 80 2724mm



Fluxo luminoso – 16929 lm/m

Potência – 197,4 W/m

Intensidade pico – 6005cd

CCT – 2854K

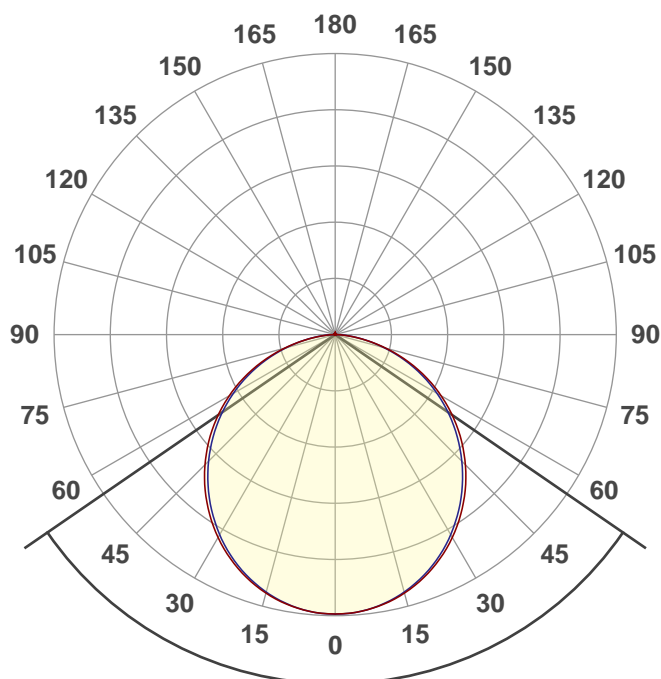


IRC – 83,5

Coordenada CIE 1931 – x- 0,445 y- 0,402

Data do ensaio

14/03/2023 11:30:40



Facho de abertura

111°

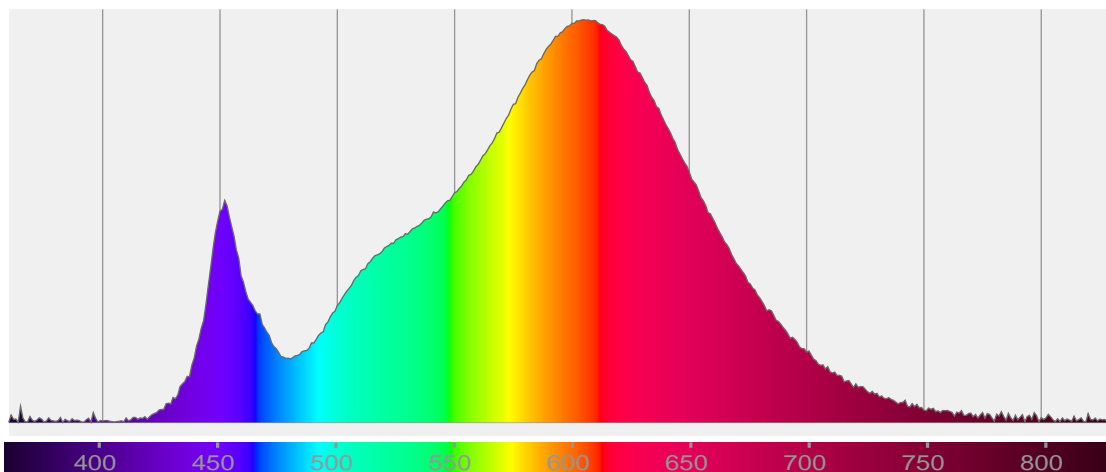
Rf 84,9

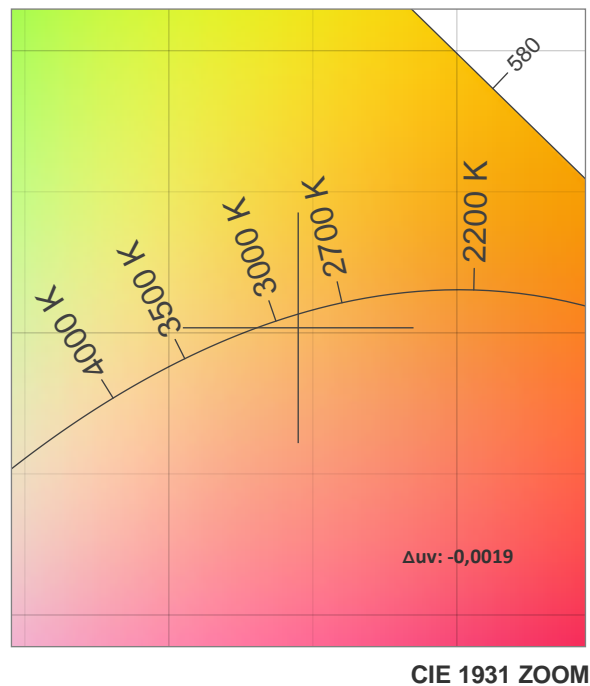
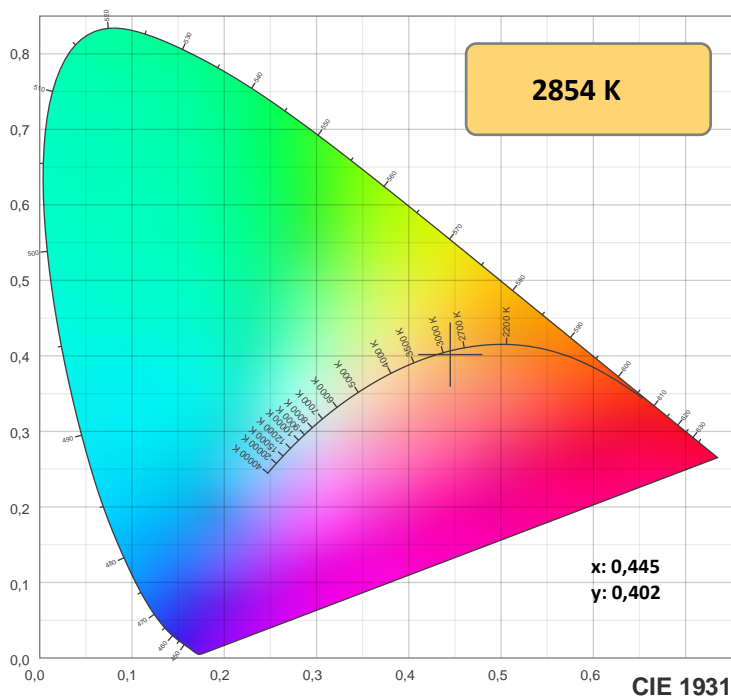
Fidelity index Rf

Rg 97,0

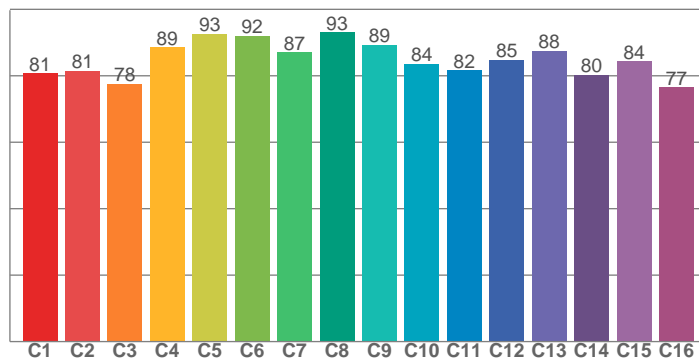
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%

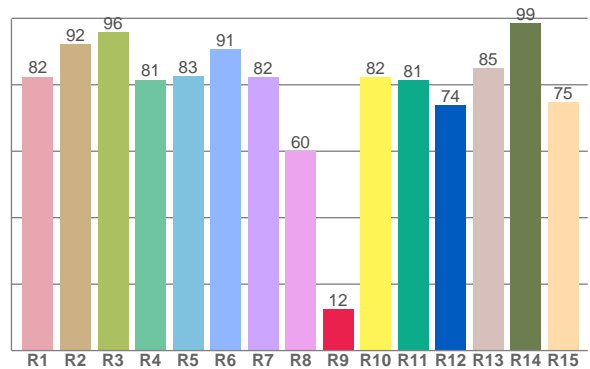




TM-30: 84,9



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,4	92,2	95,8	81,5	82,6	90,8	82,3	60,1	12,5	82,3	81,4	73,8	84,9	98,6	74,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	81,5	77,6	88,6	92,7	91,9	87,0	93,0	89,2	83,6	81,6	84,8	87,6	80,3	84,3	76,5

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
2854 K	83,5	12,5	84,9	97,0	82,1	0,445	0,402	0,257	0,348	-0,0019

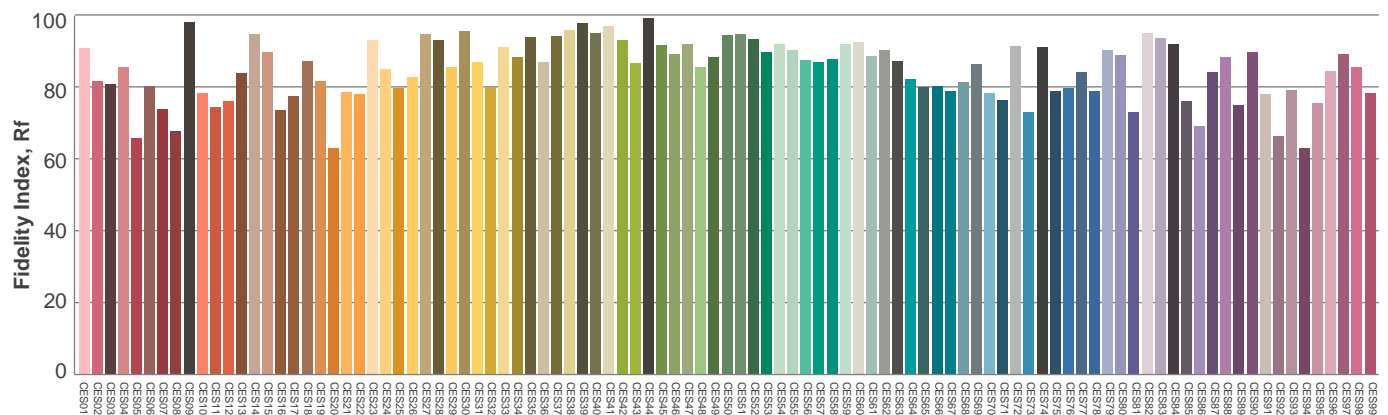
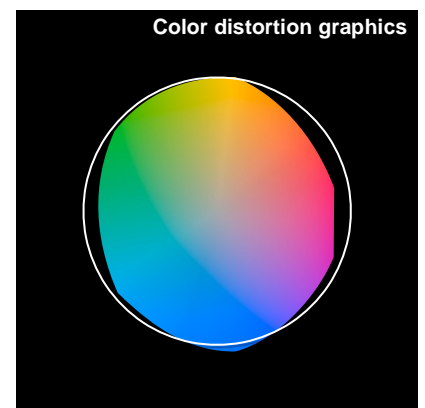
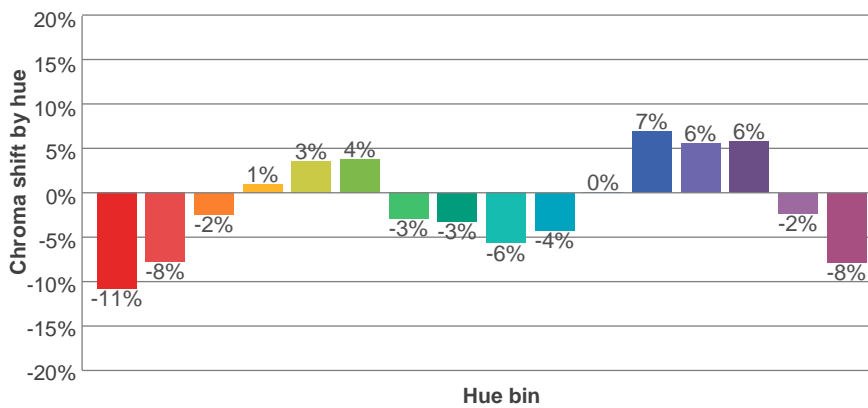
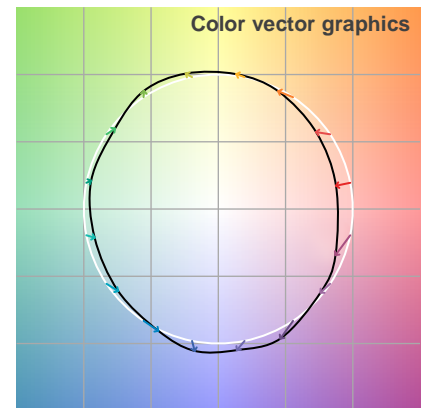
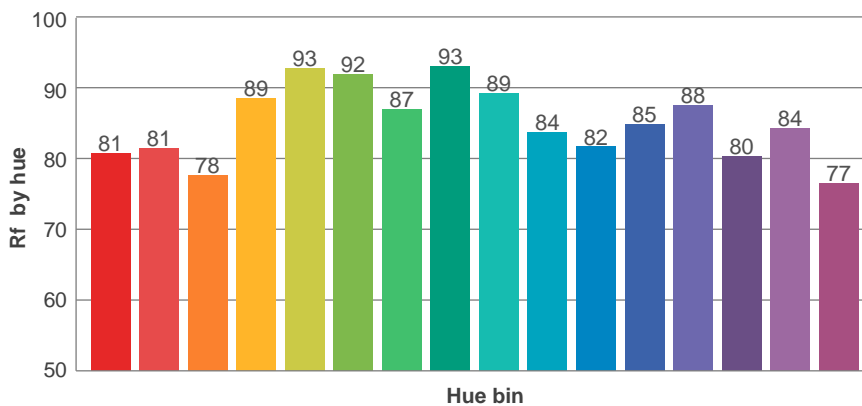
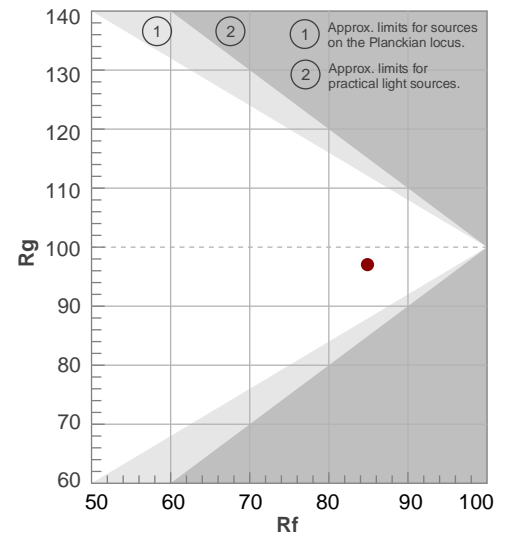
Rf 84,9

Fidelity index Rf

Rg 97,0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%



Glare Evaluation According to UGR

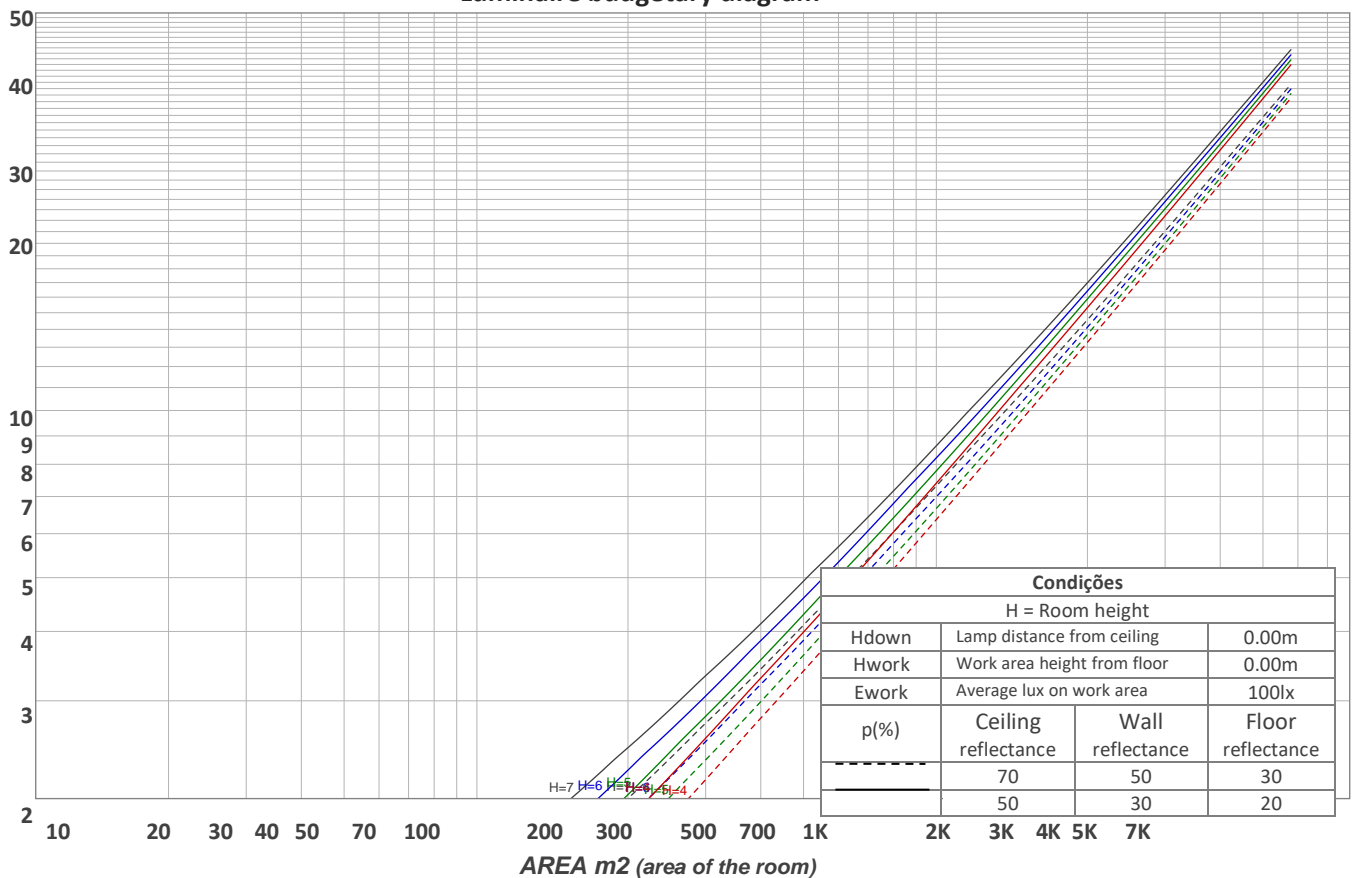
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	24,3	25,5	24,5	25,8	26,0	24,1	25,3	24,3	25,6	25,8
	3H	25,7	27,0	26,2	27,3	27,5	25,5	26,8	25,9	27,1	27,3
	4H	26,4	27,6	26,8	27,8	28,1	26,1	27,3	26,6	27,6	27,9
	6H	26,9	27,9	27,2	28,2	28,6	26,7	27,7	27,0	28,0	28,4
	8H	27,0	28,0	27,3	28,3	28,7	26,8	27,8	27,1	28,1	28,5
	12H	27,0	28,0	27,4	28,3	28,8	26,8	27,8	27,2	28,2	28,6
4H	2H	24,8	26,0	25,3	26,3	26,6	24,7	25,9	25,1	26,2	26,5
	3H	26,6	27,6	27,0	28,0	28,4	26,5	27,5	26,9	27,8	28,3
	4H	27,3	28,2	27,8	28,7	29,2	27,1	28,0	27,6	28,5	29,0
	6H	27,8	28,7	28,4	29,1	29,5	27,7	28,6	28,2	28,9	29,3
	8H	28,0	28,8	28,5	29,2	29,6	27,9	28,7	28,4	29,0	29,4
	12H	28,1	28,8	28,6	29,2	29,7	28,0	28,6	28,5	29,1	29,5
8H	4H	27,6	28,4	28,1	28,8	29,1	27,4	28,2	27,9	28,6	29,0
	6H	28,3	28,9	28,8	29,3	29,9	28,1	28,7	28,6	29,2	29,8
	8H	28,5	29,1	29,0	29,6	30,2	28,4	28,9	28,9	29,5	30,1
	12H	28,7	29,1	29,3	29,6	30,3	28,6	29,0	29,2	29,5	30,2
12H	4H	27,6	28,3	28,1	28,7	29,2	27,4	28,1	27,9	28,5	29,0
	6H	28,3	28,9	28,9	29,4	30,0	28,2	28,7	28,7	29,3	29,9
	8H	28,6	29,0	29,2	29,6	30,2	28,5	28,9	29,1	29,4	30,1
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					0,1 / -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 16929 lm total luminous flux											

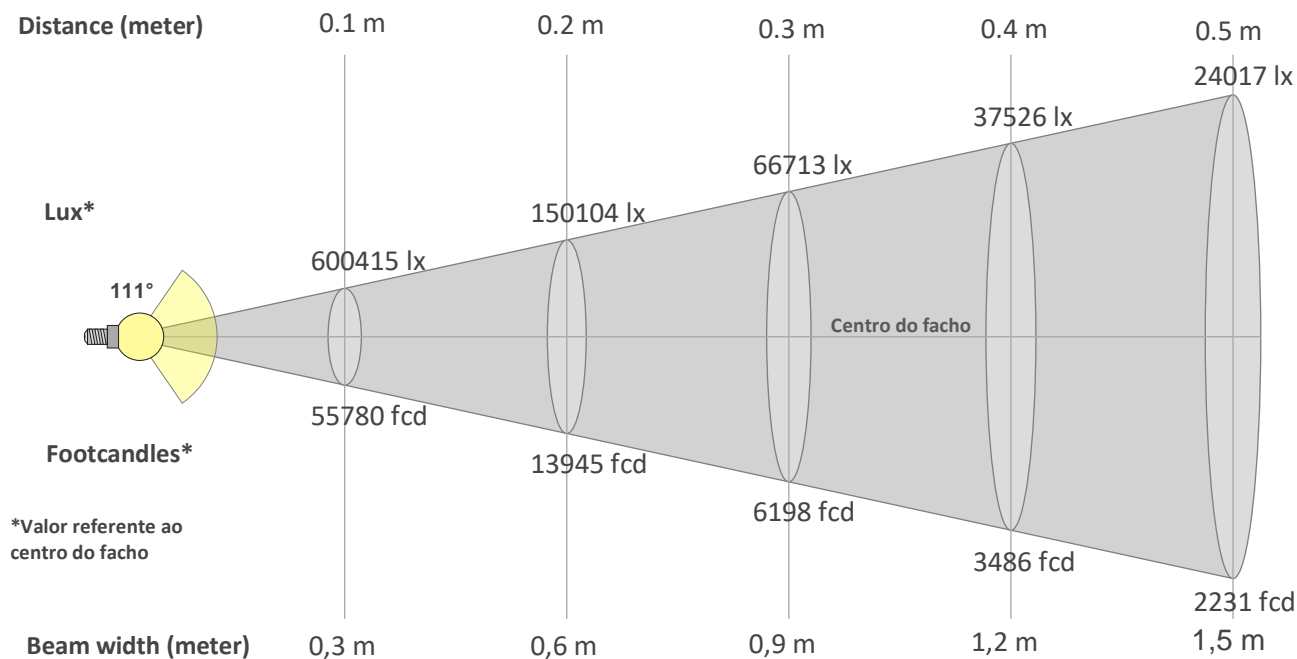
Coeficiente de utilização

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	102	102	102	99
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	80	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	48	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	24

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
6004lx	1501lx	667lx	375lx	240lx	167lx	123lx	94lx	74lx	60lx	50lx	42lx	36lx	31lx	27lx	23lx	21lx	19lx	17lx	15lx
557,8fcd	139,5fcd	62fcd	34,9fcd	22,3fcd	15,5fcd	11,4fcd	8,7fcd	6,9fcd	5,6fcd	4,6fcd	3,9fcd	3,3fcd	2,8fcd	2,5fcd	2,2fcd	1,9fcd	1,7fcd	1,5fcd	1,4fcd

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°
6004	5977	5891	5751	5559	5318	5034	4707	4349	3957	3540	3094	2627	2141	1636	1127	643	248	25	10
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	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°
6004	5974	5880	5727	5521	5266	4965	4623	4248	3848	3426	2986	2527	2054	1570	1089	643	263	28	7
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

Intensities in 180° c-plane

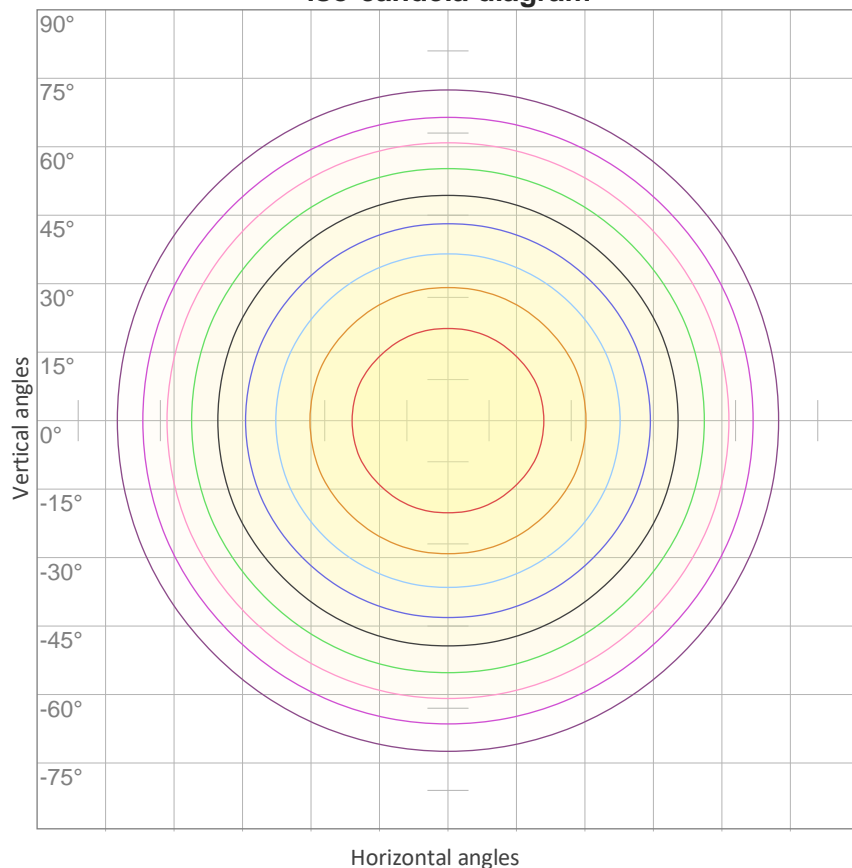
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
6004	5977	5891	5751	5559	5318	5034	4707	4349	3957	3540	3094	2627	2141	1636	1127	643	248	25	10
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	0%	0%

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°
6004	5974	5880	5727	5521	5266	4965	4623	4248	3848	3426	2986	2527	2054	1570	1089	643	263	28	7
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111°	161°	173,5°	78,4%	53,5%

iso-candela diagram



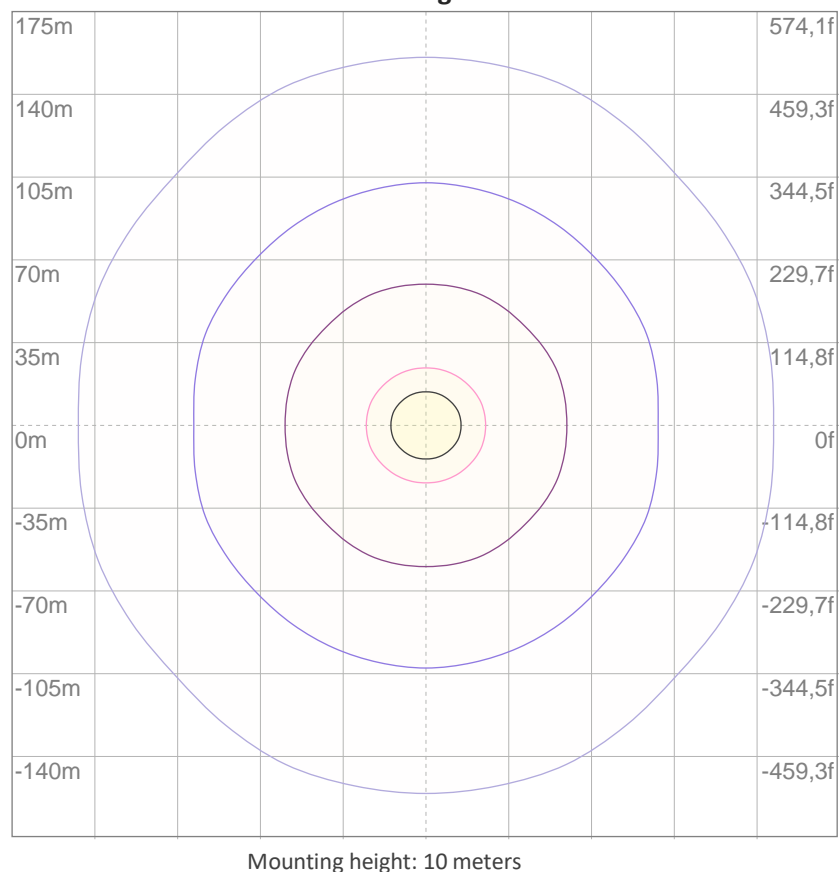
10%	600 cd
20%	1201 cd
30%	1801 cd
40%	2402 cd
50%	3002 cd
60%	3602 cd
70%	4203 cd
80%	4803 cd
90%	5404 cd

Conditions:

Number of c-planes: 16

Candela at center: 6004 cd

iso-lux diagram



3%	1,80 lx
5%	3,00 lx
10%	6,00 lx
30%	18,0 lx
50%	30,0 lx

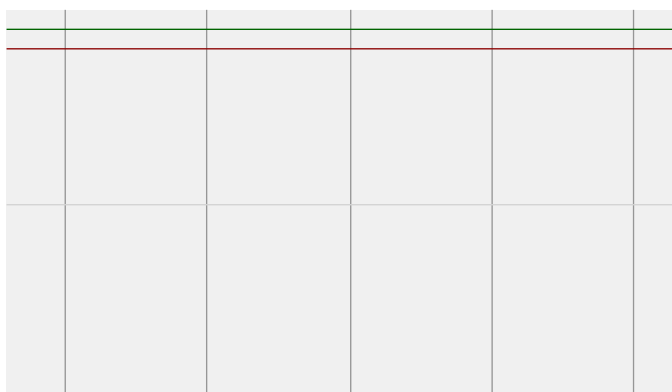
Conditions:

Number of c-planes: 16

Lux at center: 60,0 lx

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

Voltagem: 238 V
Corrente: 0,828 A
Frequência: 0 Hz
FP: 0,57



THD corrente: n/a
THD tensão: n/a