

FITA SLED8130 15WM 3000K 95 - 1m



Fluxo luminoso – 1058 lm/m

Potência – 15,0 W/m

Intensidade pico – 335cd

CCT – 2944K

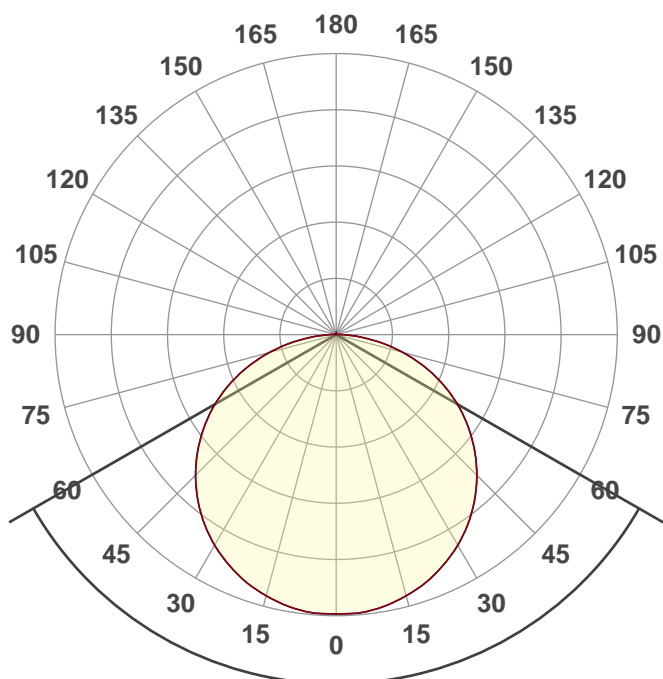


IRC – 97,4

Coordenada CIE 1931 – x- 0,440 y- 0,404

Data do ensaio

22/04/2020 17:05:50



Facho de abertura

120,3°

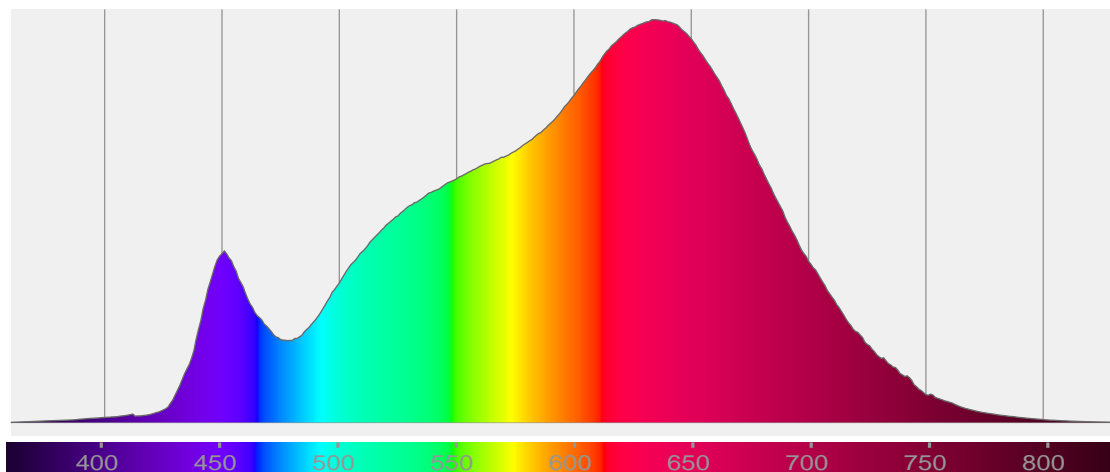
Rf 94,8

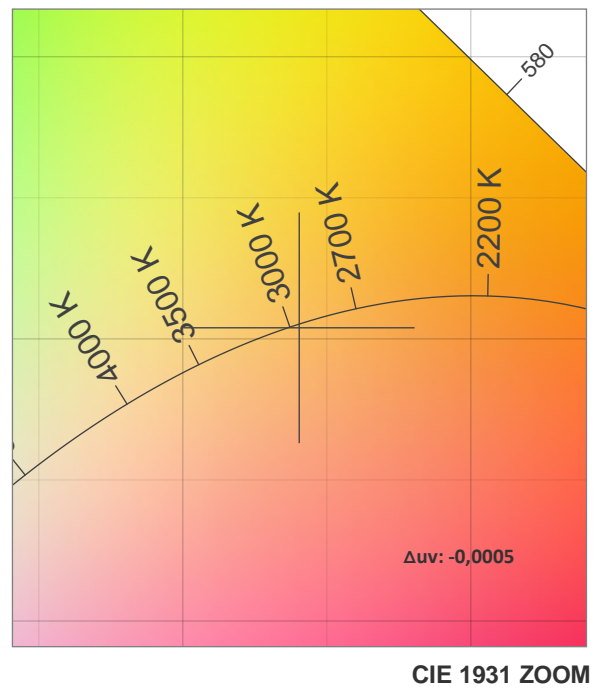
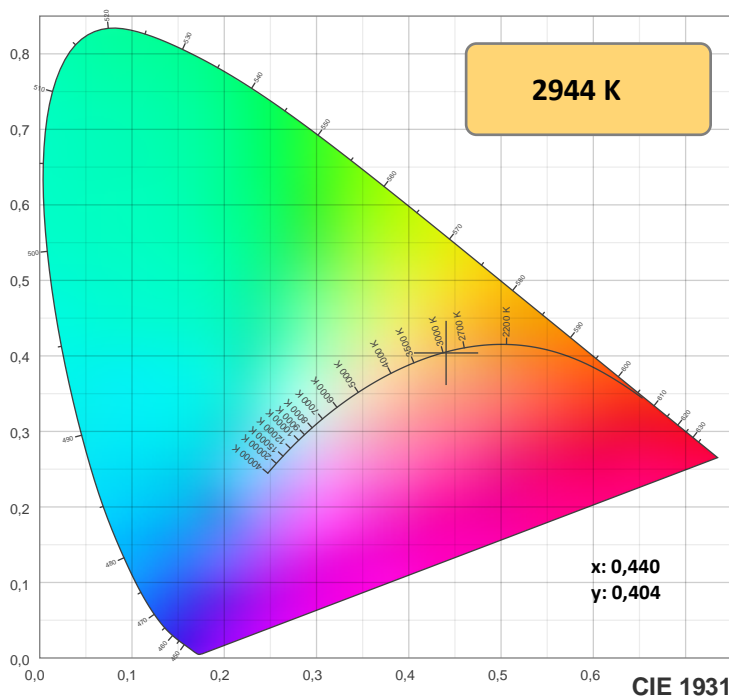
Fidelity index Rf

Rg 102,2

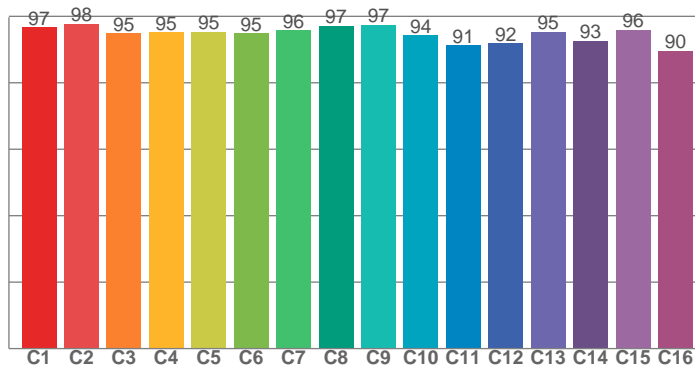
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	-1%	0%
3	95	0%	2%
4	95	-1%	1%
5	95	1%	3%
6	95	3%	1%
7	96	1%	-1%
8	97	1%	-2%
9	97	0%	1%
10	94	-1%	3%
11	91	1%	6%
12	92	4%	2%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%

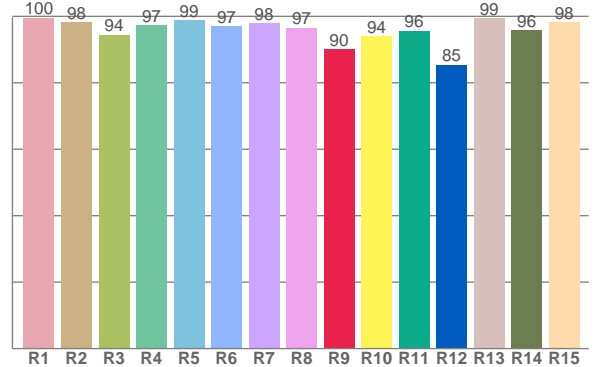




TM-30: 94,8



CRI: 97,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,5	98,1	94,4	97,3	98,7	97,1	97,8	96,5	90,1	94,0	95,7	85,4	99,3	95,9	98,1

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,7	97,8	94,8	95,2	95,3	94,9	95,7	97,1	97,4	94,3	91,3	91,8	95,3	92,5	95,9	89,6

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
2944 K	97,4	90,1	94,8	102,2	94,4	0,440	0,404	0,253	0,348	-0,0005

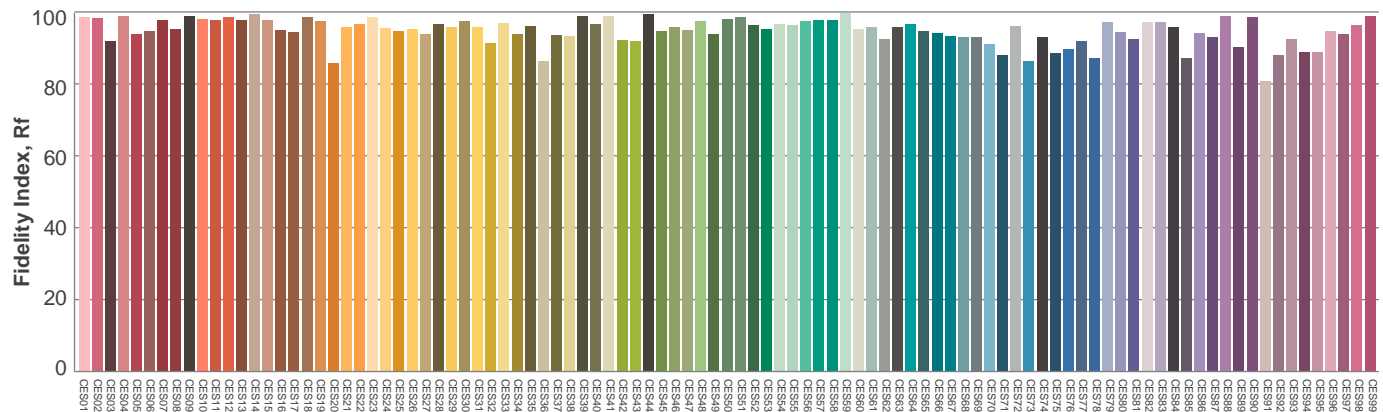
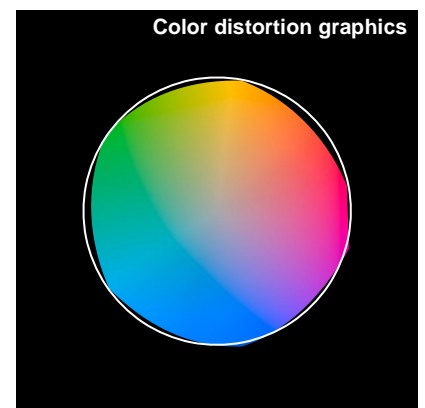
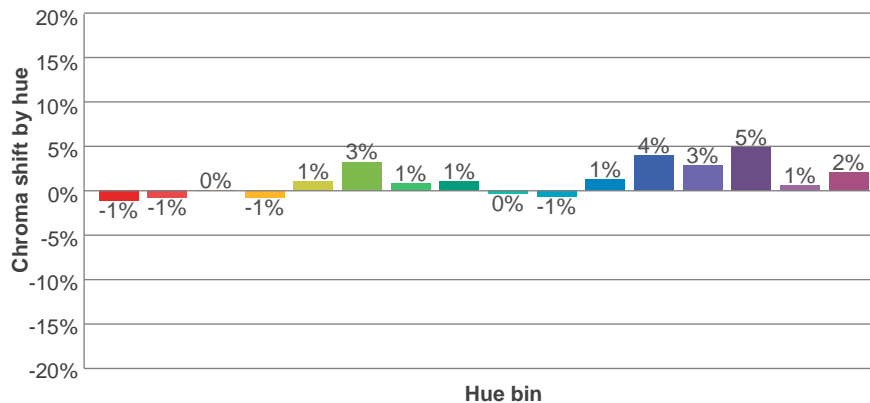
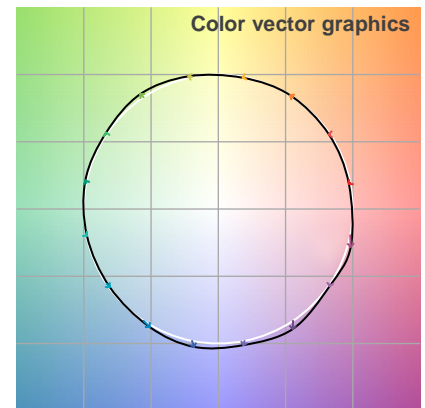
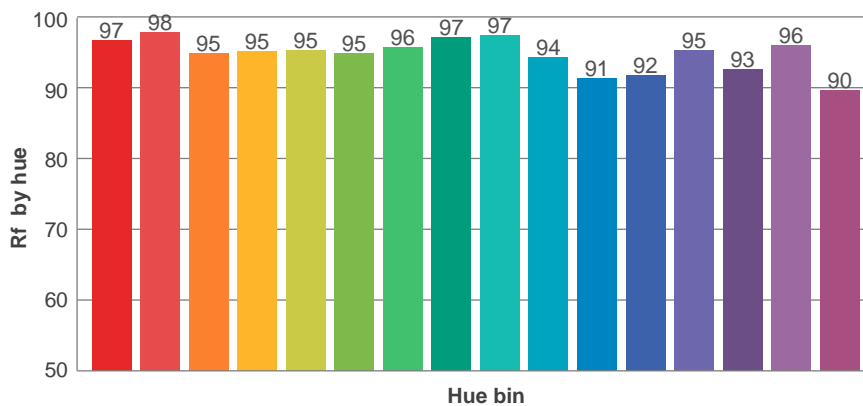
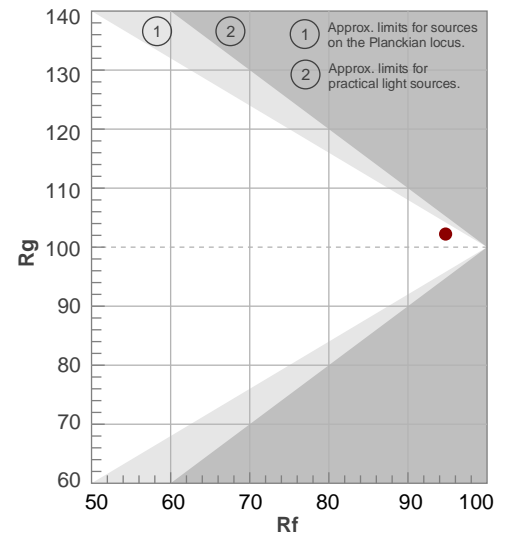
Rf 94,8

Fidelity index Rf

Rg 102,2

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	-1%	0%
3	95	0%	2%
4	95	-1%	1%
5	95	1%	3%
6	95	3%	1%
7	96	1%	-1%
8	97	1%	-2%
9	97	0%	1%
10	94	-1%	3%
11	91	1%	6%
12	92	4%	2%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

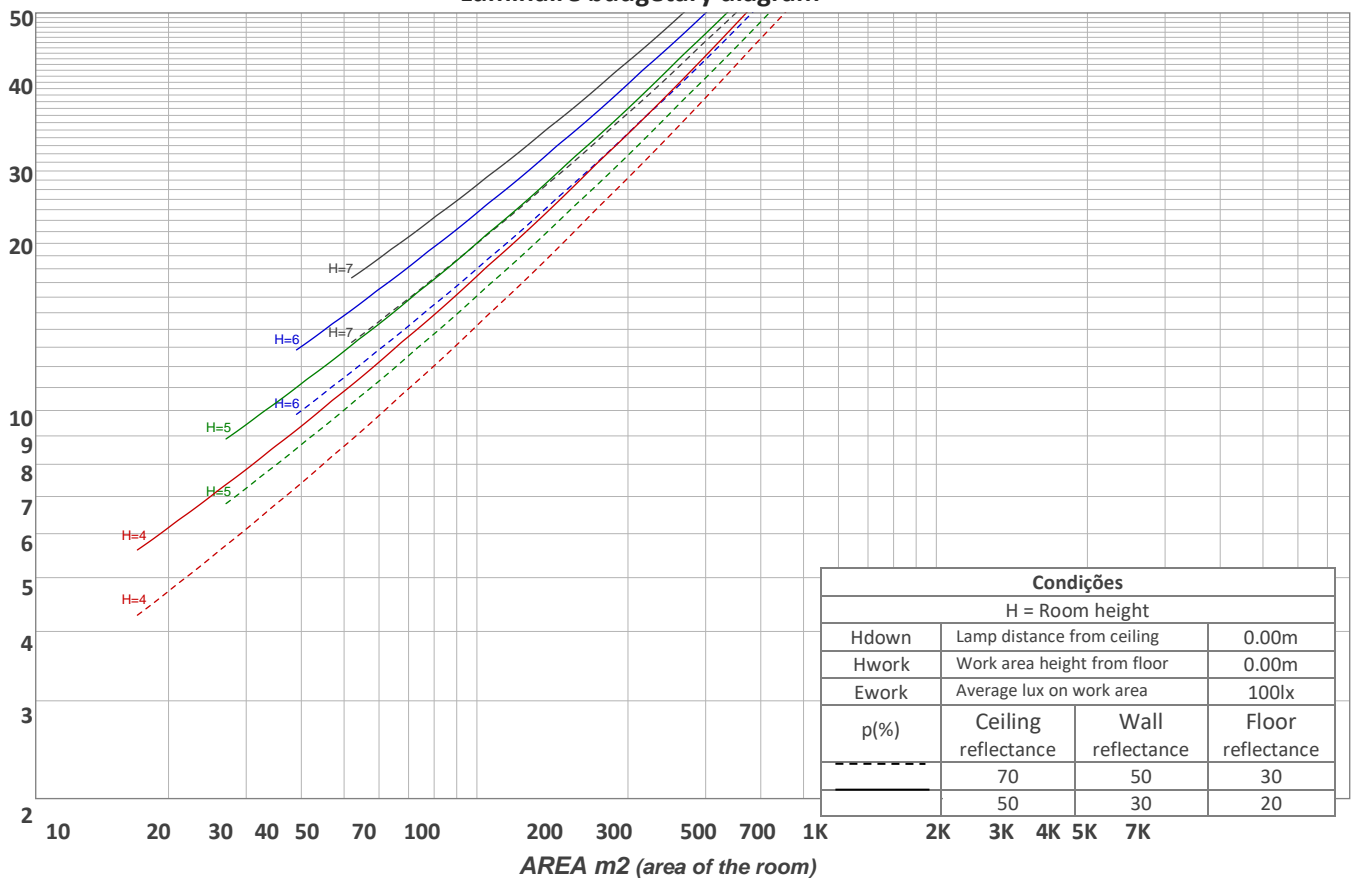
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	25,6	26,9	25,9	27,2	27,4	25,6	26,9	25,9	27,2	27,5
	3H	27,3	28,6	27,7	28,9	29,1	27,3	28,6	27,8	28,9	29,2
	4H	28,0	29,3	28,5	29,6	29,8	28,1	29,4	28,5	29,6	29,9
	6H	28,7	29,8	29,0	30,1	30,5	28,8	29,9	29,1	30,2	30,6
	8H	28,9	30,0	29,3	30,3	30,7	29,0	30,1	29,4	30,4	30,8
	12H	29,0	30,1	29,4	30,4	30,9	29,2	30,2	29,5	30,5	31,0
4H	2H	26,3	27,5	26,7	27,8	28,1	26,3	27,6	26,7	27,8	28,1
	3H	28,3	29,3	28,7	29,7	30,1	28,3	29,4	28,7	29,7	30,2
	4H	29,1	30,1	29,5	30,5	31,0	29,1	30,1	29,6	30,5	31,1
	6H	29,8	30,7	30,3	31,1	31,5	29,9	30,8	30,4	31,2	31,6
	8H	30,1	30,9	30,6	31,3	31,7	30,2	31,0	30,7	31,4	31,8
	12H	30,3	31,0	30,8	31,4	31,9	30,4	31,1	30,9	31,5	32,0
8H	4H	29,4	30,3	30,0	30,7	31,1	29,5	30,3	30,0	30,7	31,1
	6H	30,4	31,0	30,9	31,5	32,0	30,4	31,1	30,9	31,5	32,1
	8H	30,7	31,3	31,3	31,8	32,5	30,8	31,4	31,4	31,9	32,6
	12H	31,0	31,5	31,6	32,0	32,7	31,2	31,6	31,7	32,1	32,8
12H	4H	29,5	30,2	30,0	30,6	31,1	29,5	30,2	30,0	30,7	31,2
	6H	30,5	31,0	31,0	31,6	32,2	30,5	31,1	31,1	31,6	32,3
	8H	30,9	31,4	31,5	31,9	32,5	31,0	31,4	31,6	32,0	32,6
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					0,1 / -0,2				
S = 2.0H		0,3 / -0,4					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1058 lm total luminous flux											

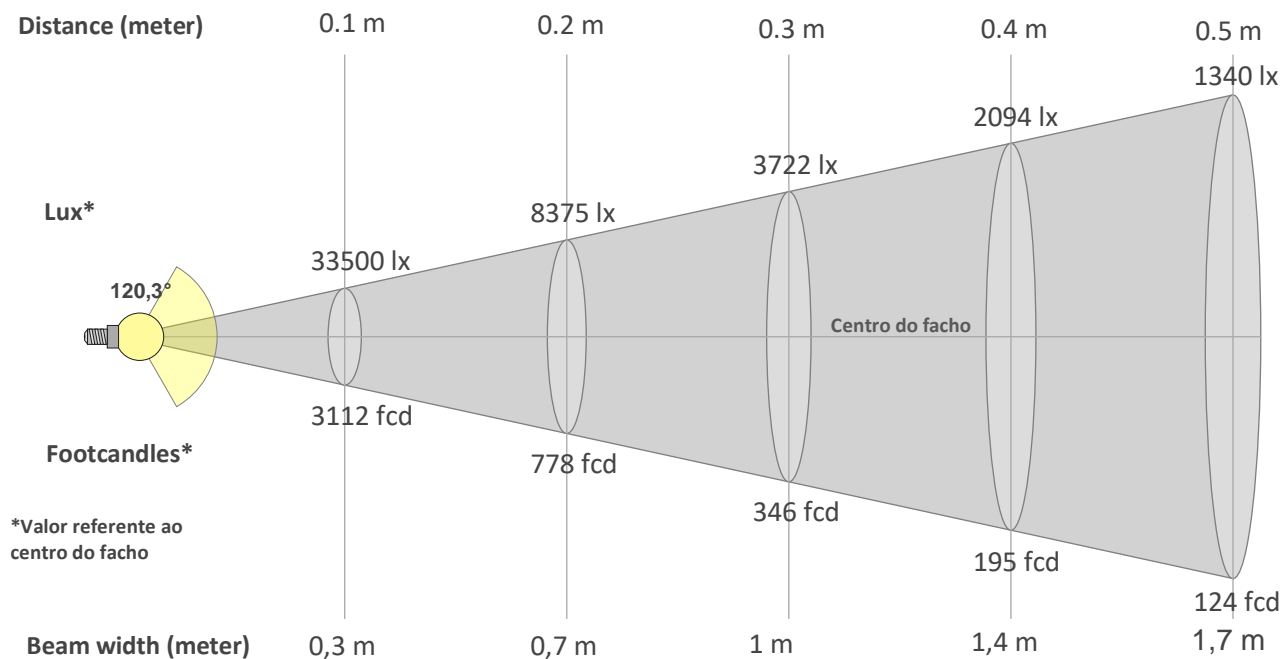
Coeficiente de utilização

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	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	76	73	69	67
3	89	78	69	62	86	76	68	62	73	66	60	70	64	59	67	62	58	56
4	81	68	59	52	78	67	58	52	64	57	51	62	55	50	60	54	49	47
5	74	61	52	45	72	60	51	44	57	50	44	55	49	43	53	48	43	41
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	62	49	40	34	47	39	34	45	39	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	39	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	36	29	24	35	29	24	35	28	24	22

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
335lx	84lx	37lx	21lx	13lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
31,1fcd	7,8fcd	3,5fcd	1,9fcd	1,2fcd	0,9fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

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°
335	335	331	324	316	305	291	276	258	238	217	193	168	141	113	83	54	26	8	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	34%	25%	16%	8%	2%	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°
335	335	331	324	316	305	291	276	258	238	217	193	168	141	113	83	54	26	8	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	34%	25%	16%	8%	2%	0%

Intensities in 180° c-plane

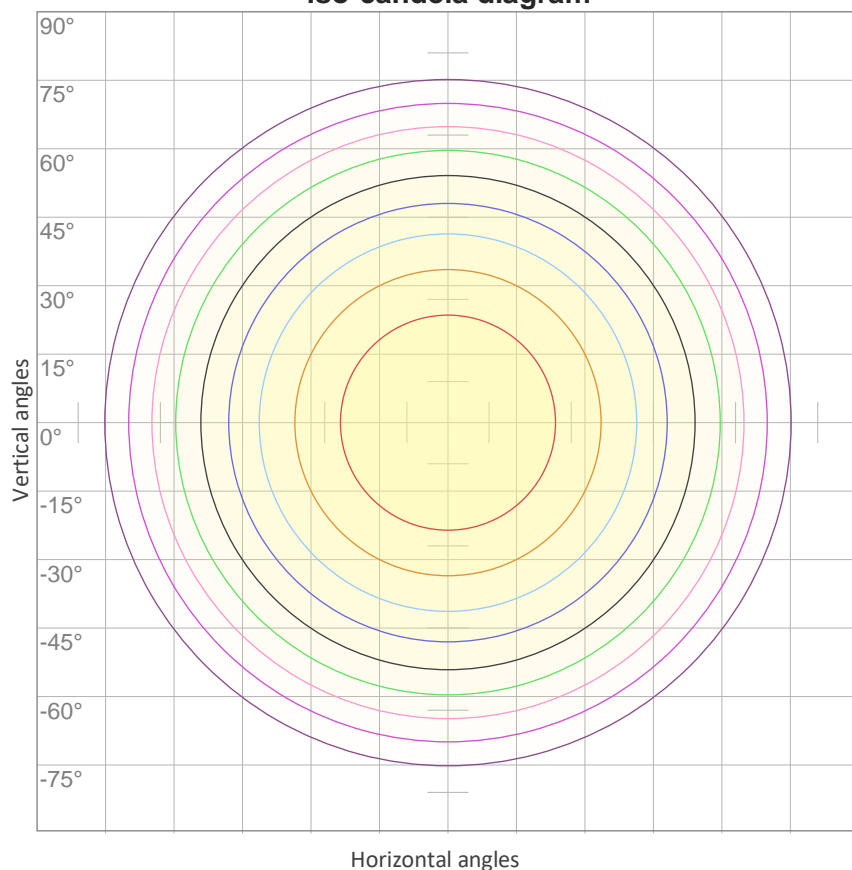
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
335	335	331	324	316	305	291	276	258	238	217	193	168	141	113	83	54	26	8	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	34%	25%	16%	8%	2%	0%

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°
335	335	331	324	316	305	291	276	258	238	217	193	168	141	113	83	54	26	8	1
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	34%	25%	16%	8%	2%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
120,3°	167°	179,2°	74,9%	49,9%

iso-candela diagram



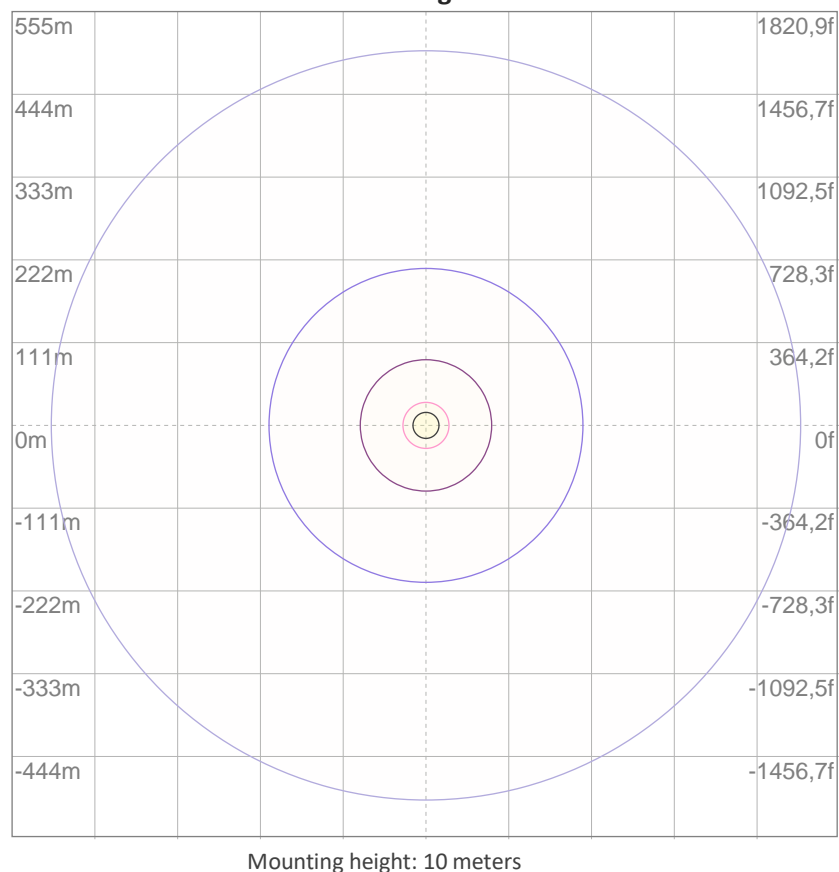
10%	33 cd
20%	67 cd
30%	100 cd
40%	134 cd
50%	167 cd
60%	201 cd
70%	234 cd
80%	268 cd
90%	301 cd

Conditions:

Number of c-planes: 12

Candela at center: 335 cd

iso-lux diagram



3%	0,100 lx
5%	0,167 lx
10%	0,335 lx
30%	1,00 lx
50%	1,67 lx

Conditions:

Number of c-planes: 12

Lux at center: 3,35 lx

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

Potência

Vttagem: 12,0 V

Corrente: 1,25 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a