

FITA SLED8140 15WM 4000K 95 - 1m



Fluxo luminoso – 1130 lm/m

Potência – 15,0 W/m

Intensidade pico – 355cd

CCT – 4060K

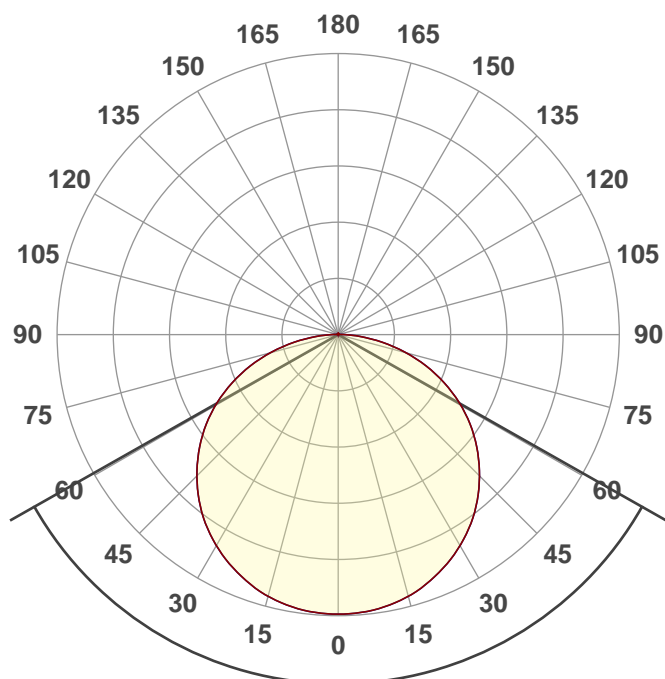


IRC – 98,2

Coordenada CIE 1931 – x- 0,378 y- 0,376

Data do ensaio

22/04/2020 16:19:18



Facho de abertura

120,9°

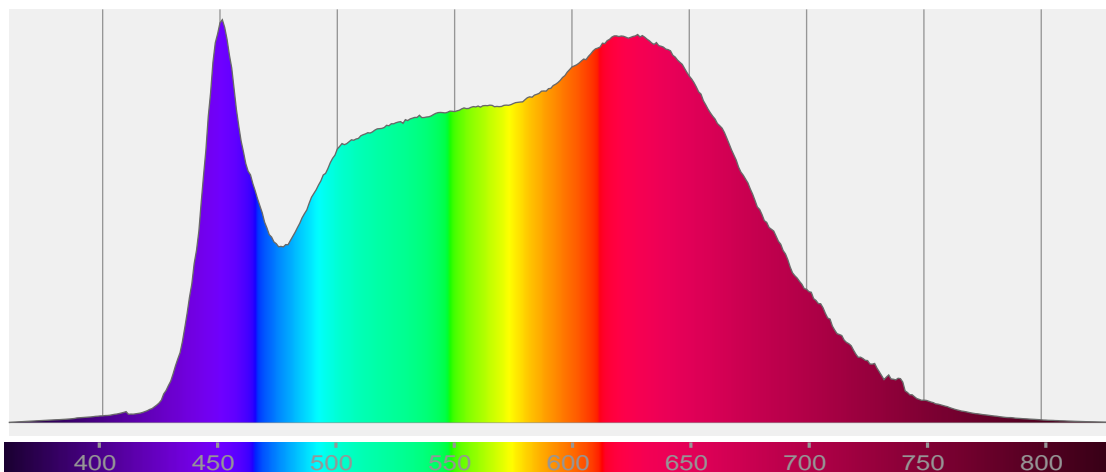
Rf 94,0

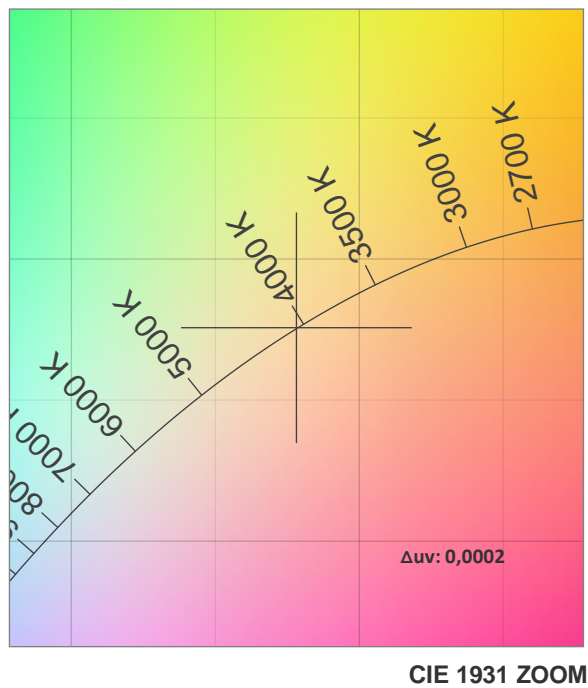
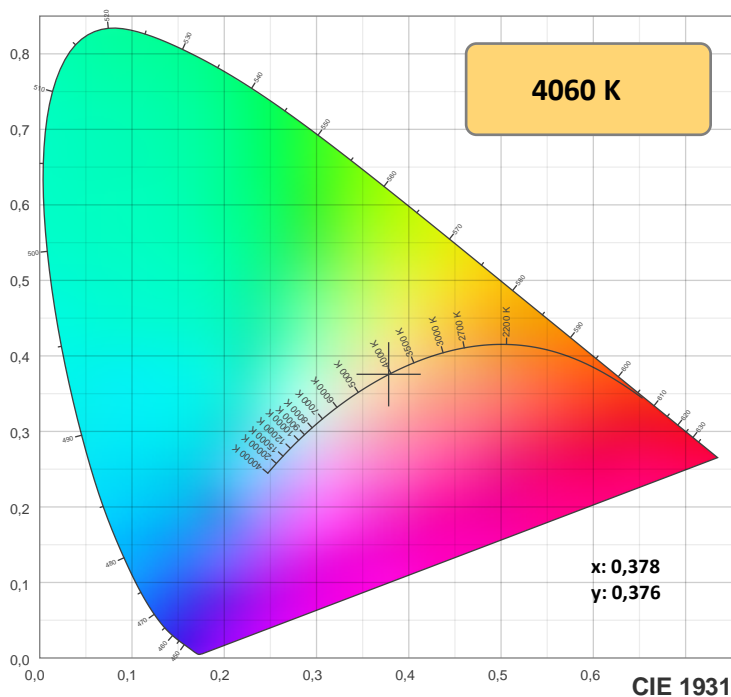
Fidelity index Rf

Rg 100,0

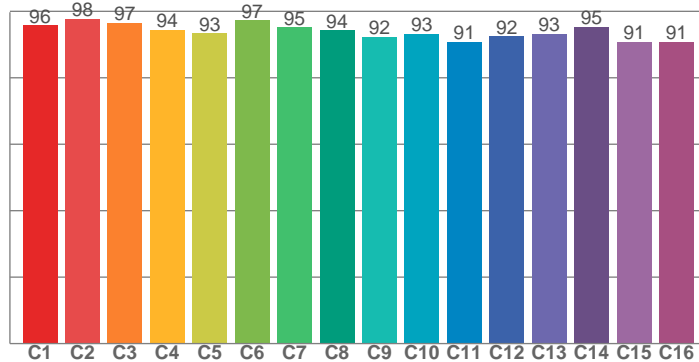
Gamut index Rg

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

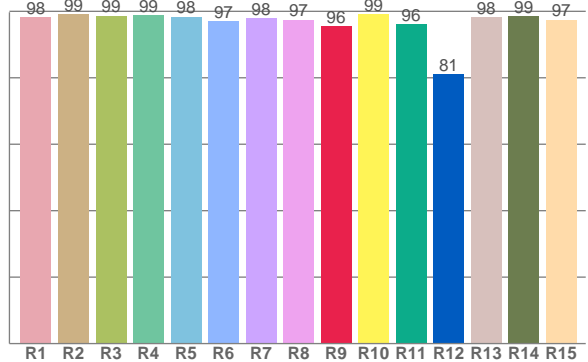




TM-30: 94,0



CRI: 98,2 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	99,2	98,7	98,8	98,3	97,0	97,9	97,4	95,6	99,1	96,2	81,1	98,2	98,6	97,4

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,7	97,8	96,5	94,4	93,4	97,3	95,1	94,3	92,3	93,2	90,7	92,4	93,2	95,4	90,7	90,8

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
4060 K	98,2	95,6	94,0	100,0	97,1	0,378	0,376	0,224	0,334	0,0002

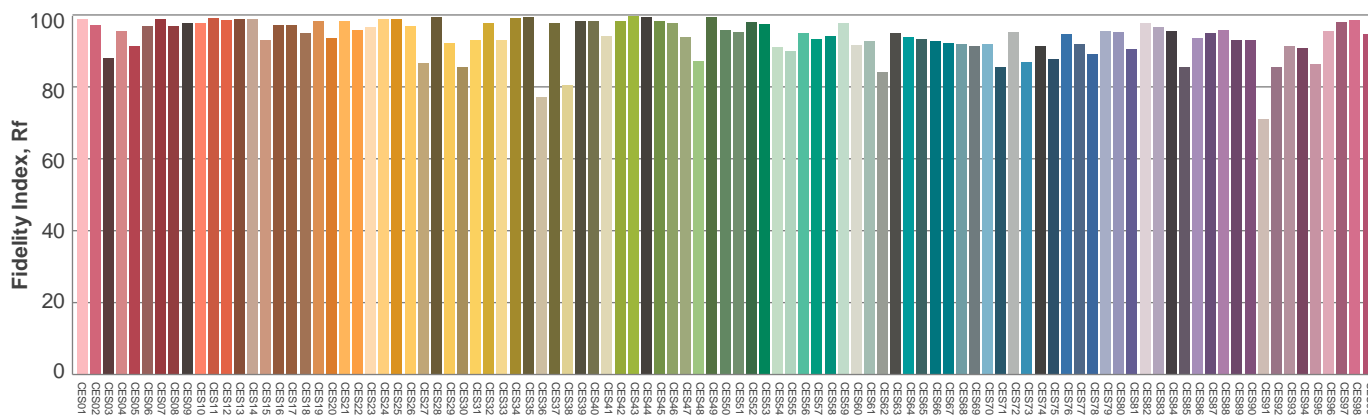
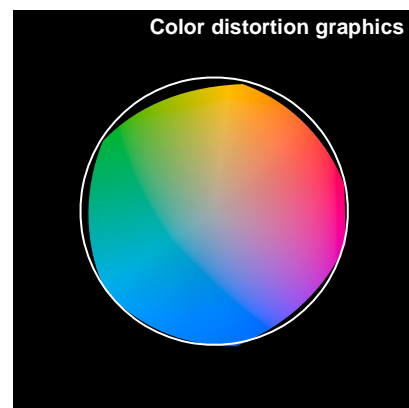
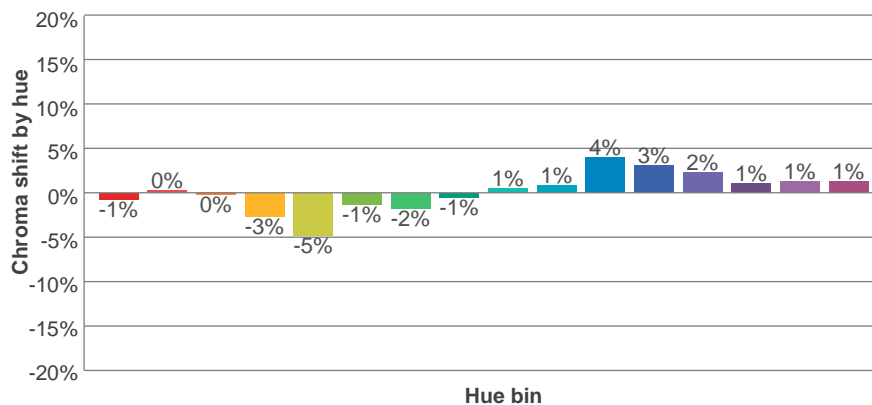
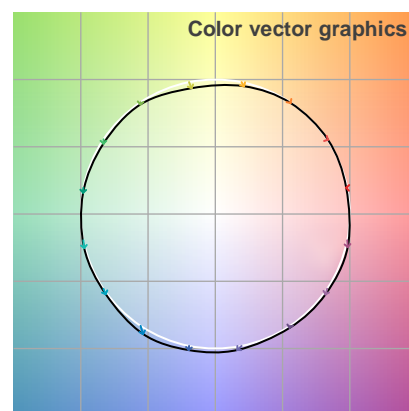
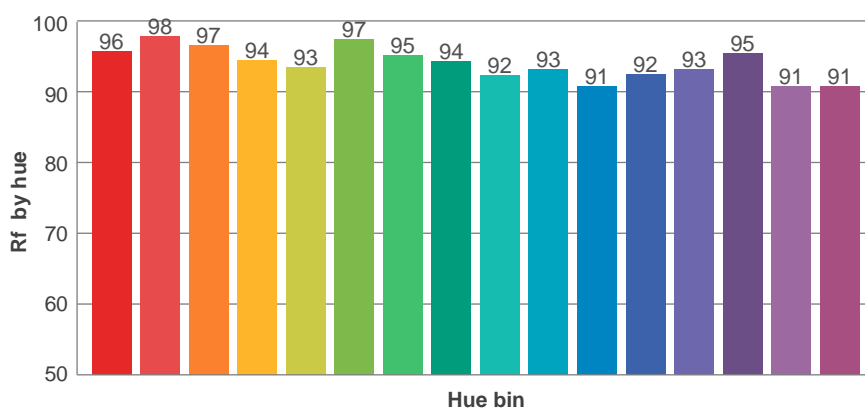
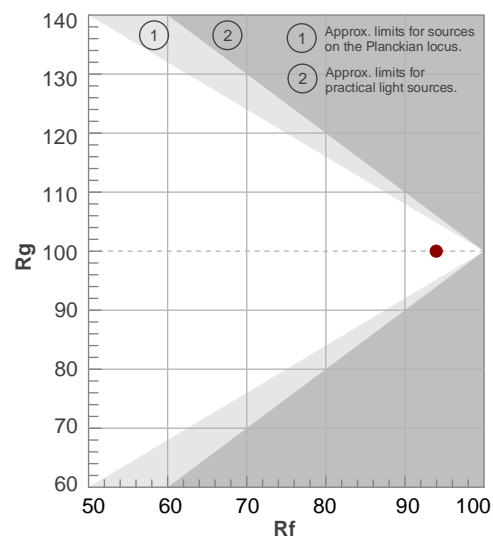
Rf 94,0

Fidelity index Rf

Rg 100,0

Gamut index Rg

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



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

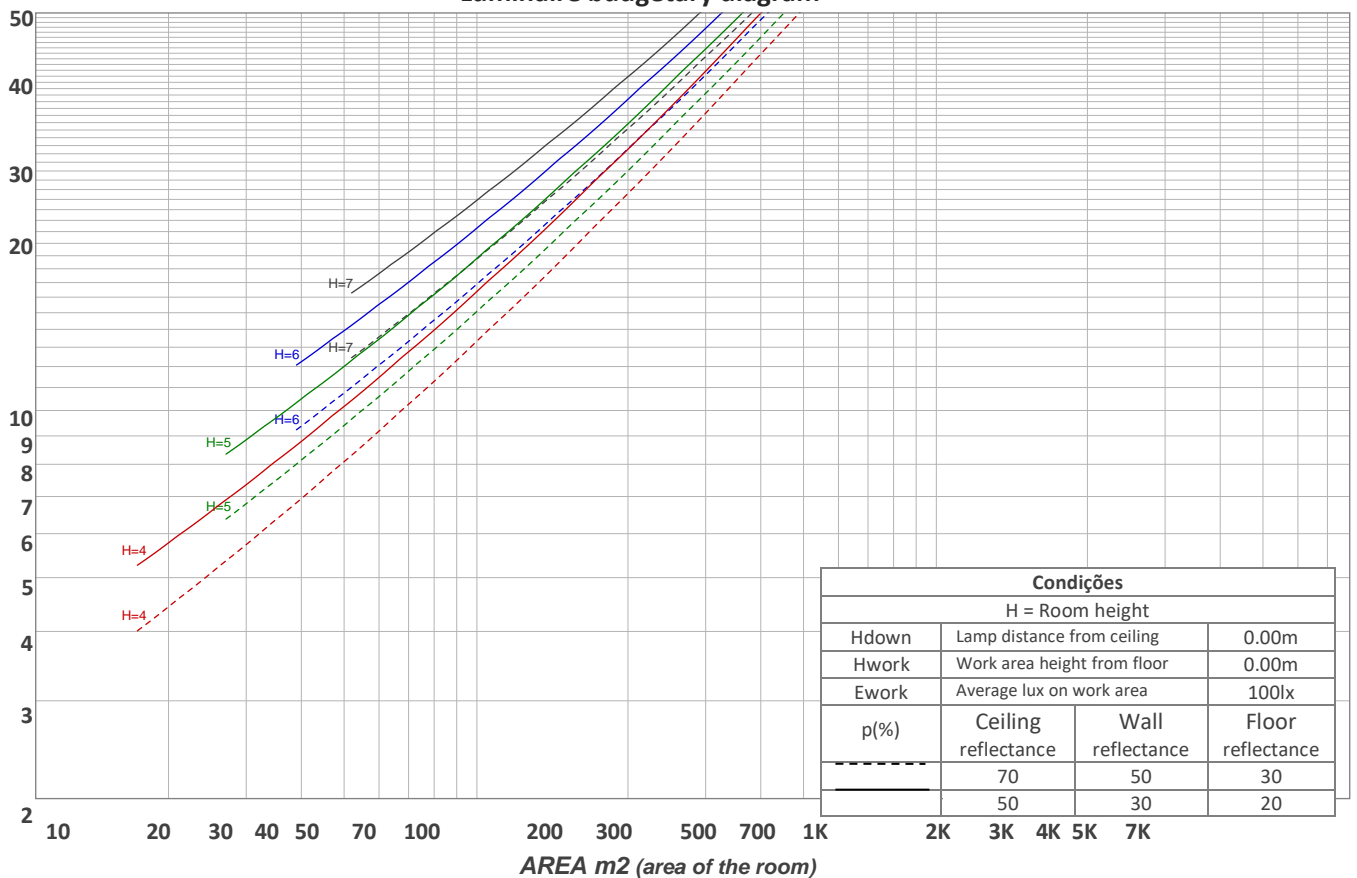
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	25,8	27,1	26,1	27,4	27,7	25,9	27,1	26,1	27,5	27,7
	3H	27,5	28,8	27,9	29,1	29,4	27,6	28,9	28,0	29,2	29,4
	4H	28,3	29,5	28,7	29,8	30,1	28,4	29,6	28,8	29,9	30,2
	6H	29,0	30,1	29,3	30,3	30,7	29,1	30,1	29,4	30,4	30,8
	8H	29,2	30,2	29,5	30,6	31,0	29,3	30,3	29,6	30,7	31,1
	12H	29,3	30,3	29,7	30,7	31,2	29,4	30,5	29,8	30,8	31,3
4H	2H	26,5	27,8	26,9	28,1	28,3	26,5	27,8	27,0	28,1	28,4
	3H	28,5	29,6	28,9	29,9	30,4	28,6	29,6	29,0	30,0	30,4
	4H	29,3	30,3	29,8	30,7	31,3	29,4	30,4	29,9	30,8	31,4
	6H	30,1	31,0	30,6	31,4	31,7	30,2	31,1	30,7	31,4	31,8
	8H	30,4	31,2	30,9	31,6	32,0	30,5	31,3	31,0	31,7	32,1
	12H	30,6	31,3	31,1	31,7	32,2	30,7	31,4	31,2	31,8	32,3
8H	4H	29,7	30,5	30,2	30,9	31,3	29,8	30,6	30,3	31,0	31,4
	6H	30,6	31,3	31,1	31,7	32,3	30,7	31,3	31,2	31,8	32,4
	8H	31,0	31,6	31,5	32,1	32,8	31,1	31,7	31,6	32,2	32,9
	12H	31,3	31,8	31,9	32,3	32,9	31,4	31,9	32,0	32,4	33,1
12H	4H	29,7	30,4	30,2	30,9	31,4	29,8	30,5	30,3	30,9	31,4
	6H	30,7	31,3	31,3	31,8	32,5	30,8	31,4	31,3	31,9	32,6
	8H	31,2	31,6	31,7	32,2	32,8	31,2	31,7	31,8	32,2	32,9
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 / -0,1				
S = 2.0H		0,3 / -0,3					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1130 lm total luminous flux											

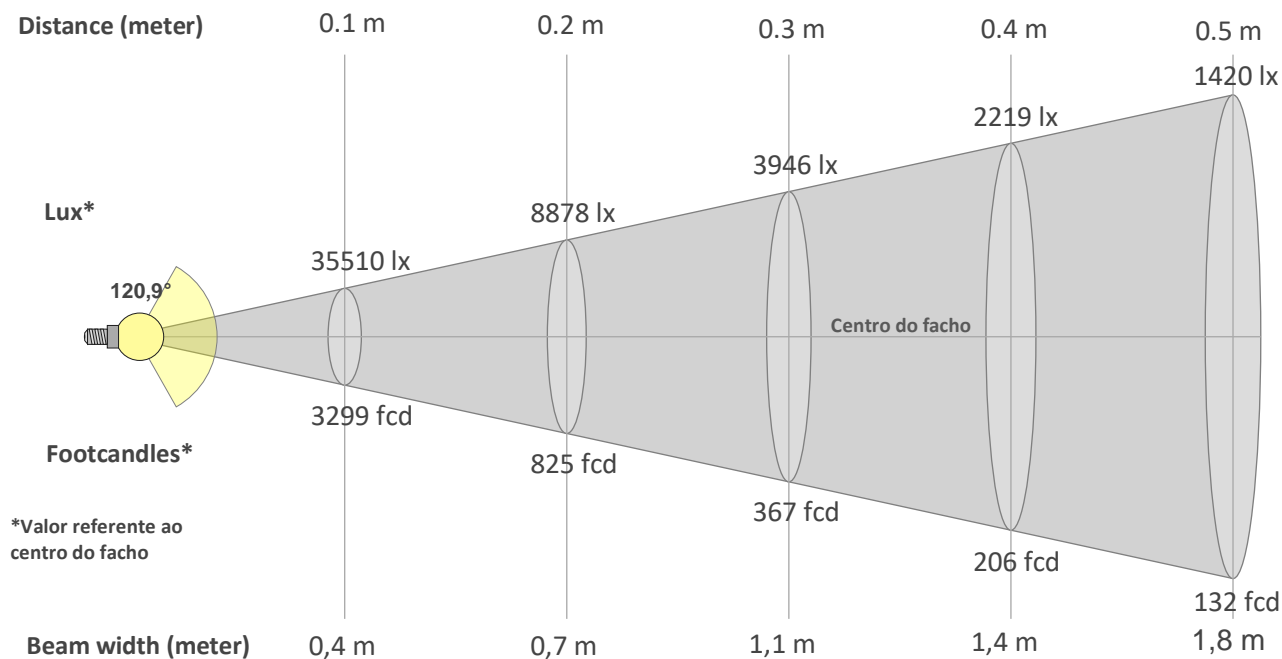
Coeficiente de utilização

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	83	81
2	97	89	81	75	95	87	80	74	83	77	73	80	75	71	76	72	69	67
3	88	77	69	62	86	76	68	61	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	59	54	49	47
5	74	61	51	45	72	60	51	44	57	50	44	55	48	43	53	47	43	40
6	68	55	45	39	66	54	45	39	52	44	38	50	43	38	48	42	37	35
7	63	49	40	34	61	49	40	34	47	39	34	45	38	33	44	38	33	31
8	59	45	36	30	57	44	36	30	43	35	30	41	35	30	40	34	29	27
9	55	41	33	27	53	41	33	27	39	32	27	38	31	27	37	31	26	25
10	51	38	30	25	50	37	30	24	36	29	24	35	29	24	34	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
355lx	89lx	39lx	22lx	14lx	10lx	7lx	6lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
33fcd	8,2fcd	3,7fcd	2,1fcd	1,3fcd	0,9fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
355	354	350	344	335	323	309	293	275	254	231	207	180	151	121	89	58	29	9	1
100%	100%	99%	97%	94%	91%	87%	83%	77%	71%	65%	58%	51%	43%	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°
355	354	350	344	335	323	309	293	275	254	231	207	180	151	121	89	58	29	9	1
100%	100%	99%	97%	94%	91%	87%	83%	77%	71%	65%	58%	51%	43%	34%	25%	16%	8%	2%	0%

Intensities in 180° c-plane

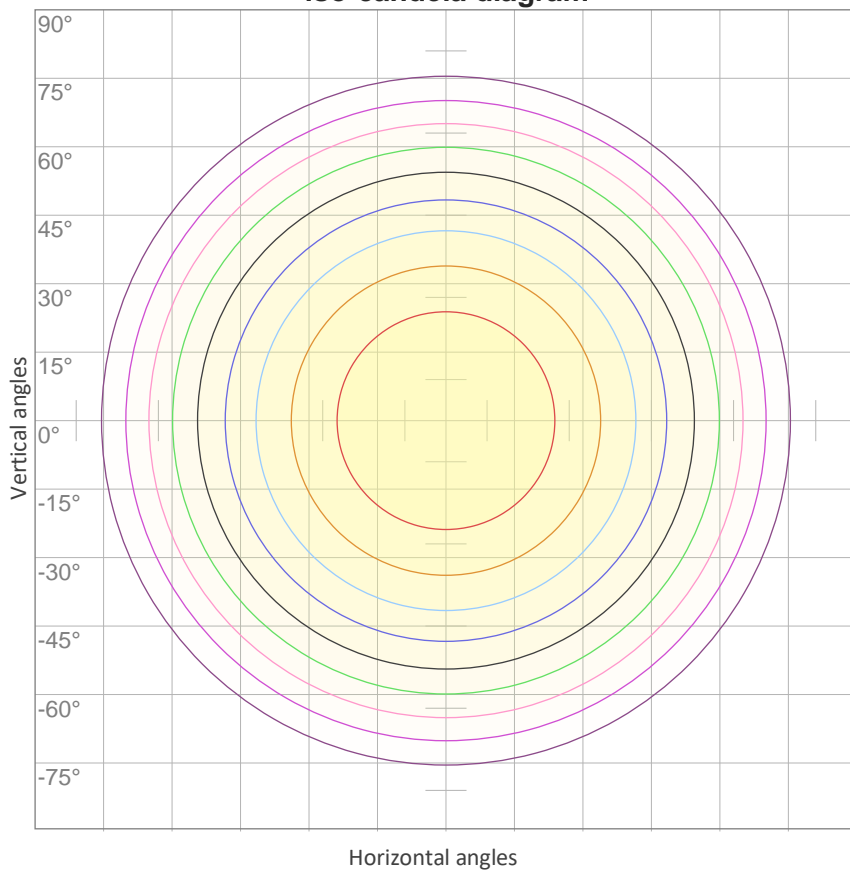
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
355	354	350	344	335	323	309	293	275	254	231	207	180	151	121	89	58	29	9	1
100%	100%	99%	97%	94%	91%	87%	83%	77%	71%	65%	58%	51%	43%	34%	25%	16%	8%	2%	0%

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°
355	354	350	344	335	323	309	293	275	254	231	207	180	151	121	89	58	29	9	1
100%	100%	99%	97%	94%	91%	87%	83%	77%	71%	65%	58%	51%	43%	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
120,9°	167,7°	179,7°	74,7%	49,7%

iso-candela diagram



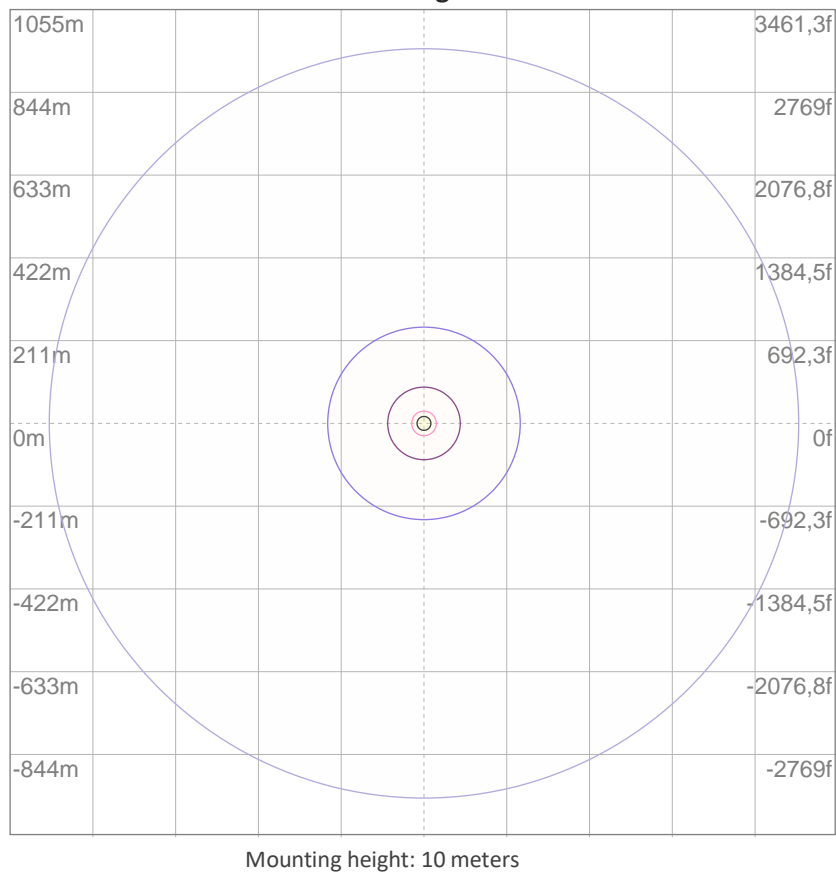
10%	36 cd
20%	71 cd
30%	107 cd
40%	142 cd
50%	178 cd
60%	213 cd
70%	249 cd
80%	284 cd
90%	320 cd

Conditions:

Number of c-planes: 12

Candela at center: 355 cd

iso-lux diagram



3%	0,107 lx
5%	0,178 lx
10%	0,355 lx
30%	1,07 lx
50%	1,78 lx

Conditions:

Number of c-planes: 12

Lux at center: 3,55 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