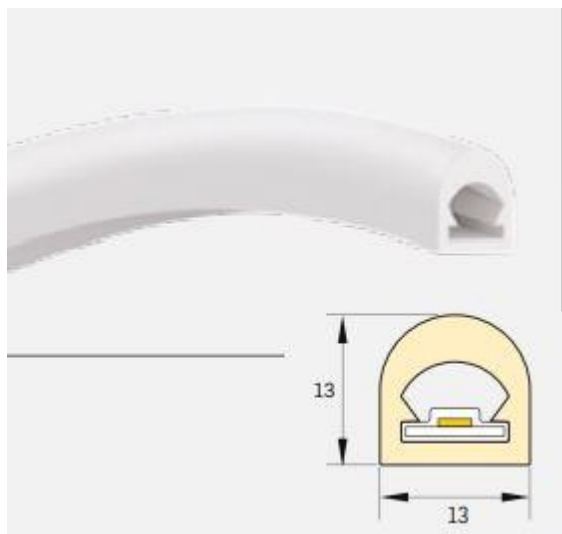


EX13 SLED9160 FITA 9,6WM 3000K 80 - 1m



Luminária linear de sobrepor em mobiliário com iluminação difusa aberto maior que 180°. Corpo em borracha com acabamento na cor leitoso. Indicado para residência, mobiliário etc.

Fluxo luminoso – 748 lm/m

Potência – 9,6 W/m

Intensidade pico – 123cd

CCT – 2733K



IRC – 81,1

Coordenada CIE 1931 – x- 0,455 y- 0,406

A x L - 13x13

Peso - 0,26kg/m

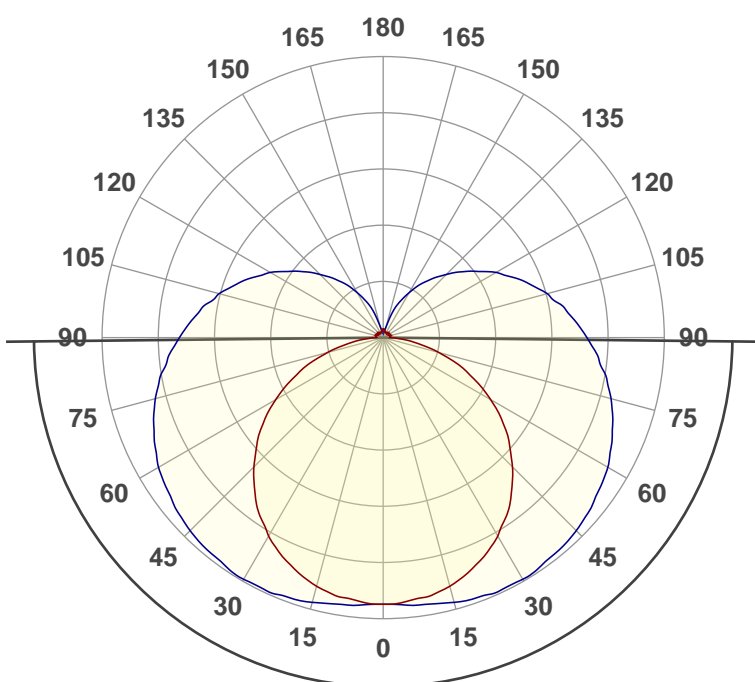
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

08/02/2021 14:30:07



Facho de abertura

178,8°

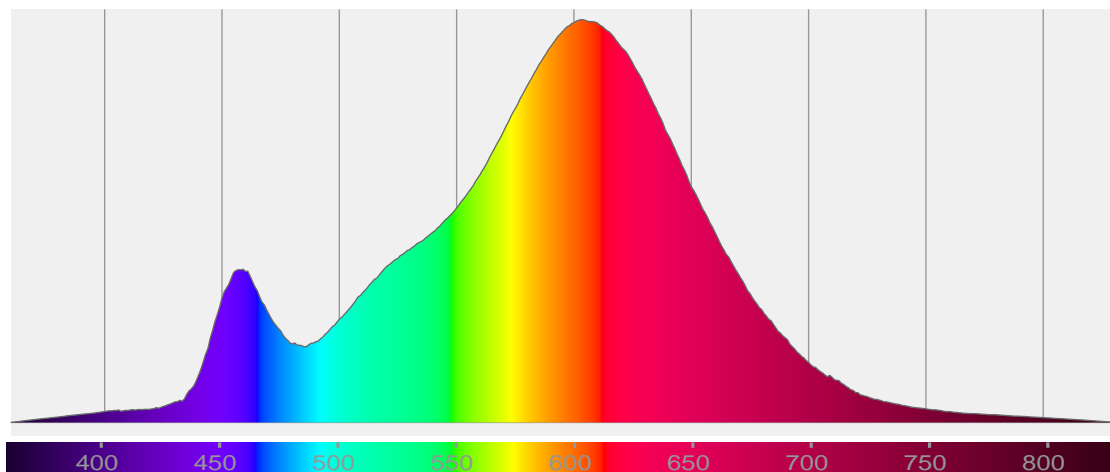
Rf 83,8

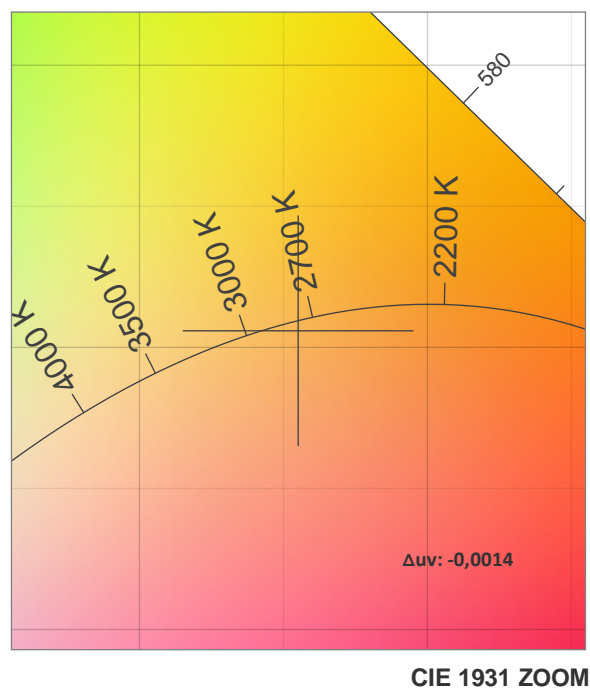
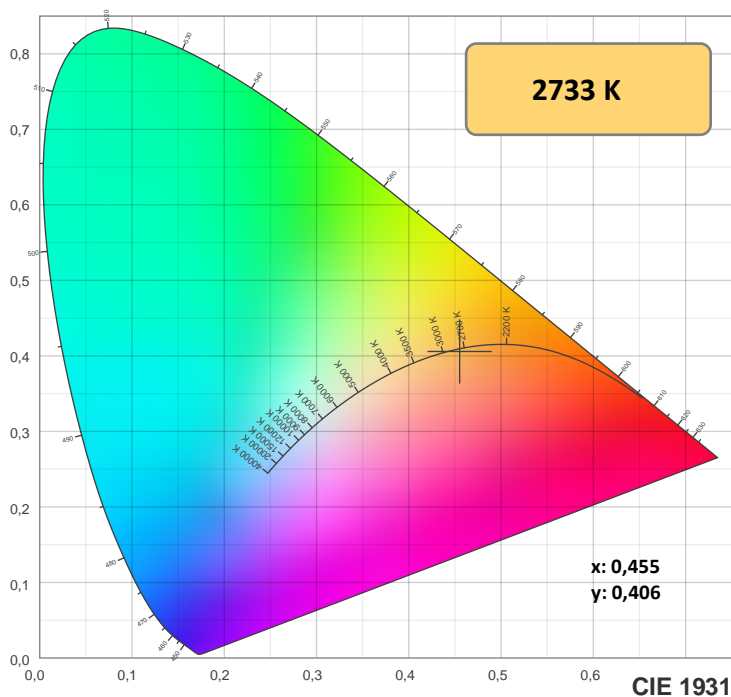
Fidelity index Rf

Rg 94,2

Gamut index Rg

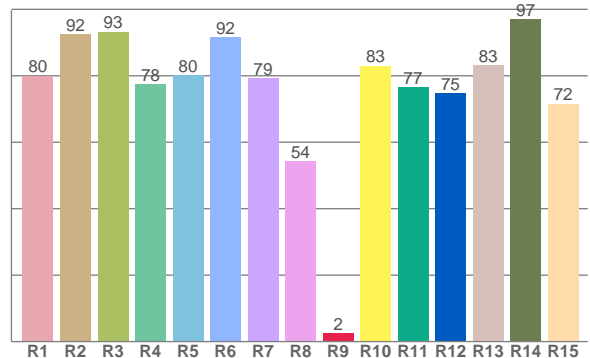
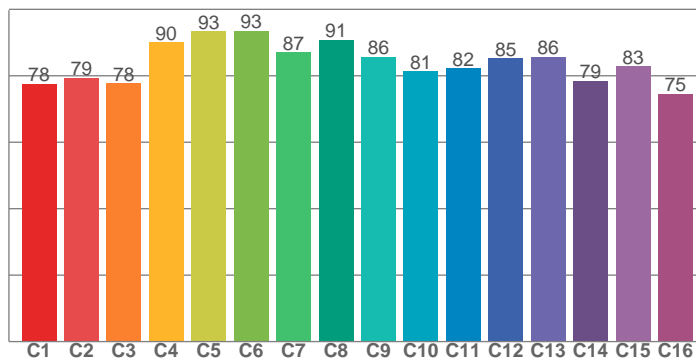
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	78	-12%	1%
2	79	-9%	8%
3	78	-3%	11%
4	90	-1%	5%
5	93	1%	3%
6	93	1%	-2%
7	87	-6%	-6%
8	91	-5%	0%
9	86	-6%	6%
10	81	-3%	12%
11	82	1%	13%
12	85	7%	1%
13	86	4%	-10%
14	79	4%	-17%
15	83	-5%	-9%
16	75	-11%	-16%





TM-30: 83,8

CRI: 81,1 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80,1	92,4	93,2	77,5	80,2	91,7	79,2	54,3	2,4	83,0	76,5	74,7	83,2	97,1	71,5

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
77,6	79,4	77,7	90,0	93,3	93,5	87,0	90,8	85,7	81,3	82,2	85,3	85,7	78,5	82,8	74,6

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
2733 K	81,1	2,4	83,8	94,2	80,6	0,455	0,406	0,262	0,350	-0,0014

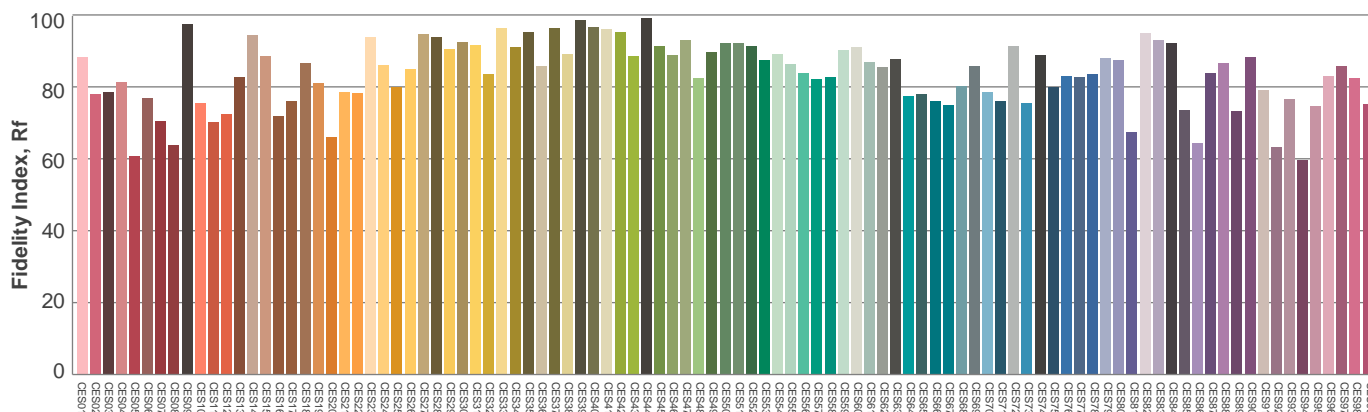
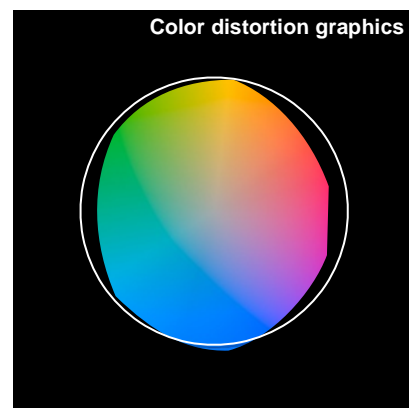
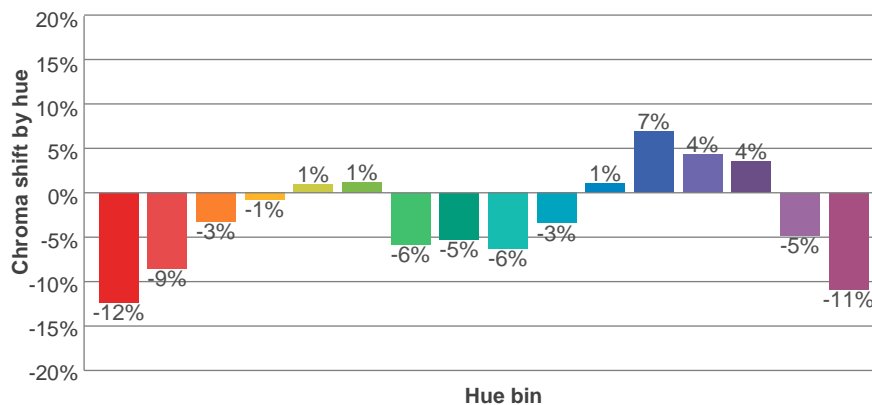
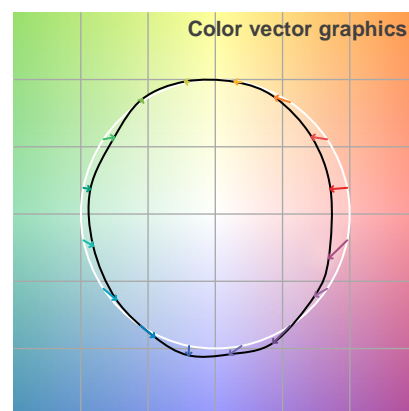
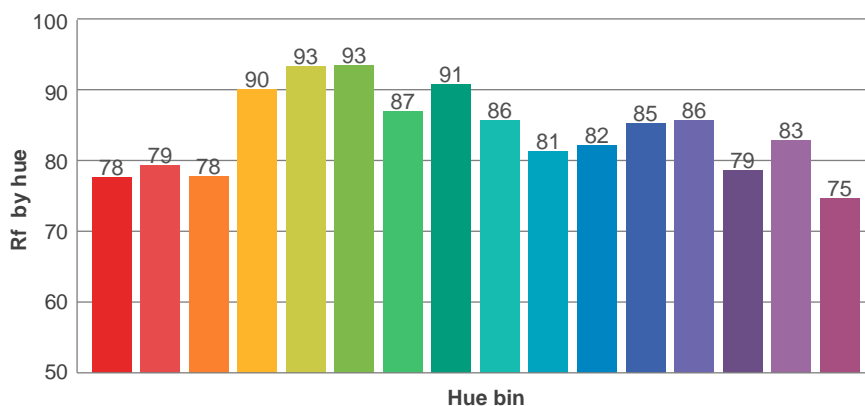
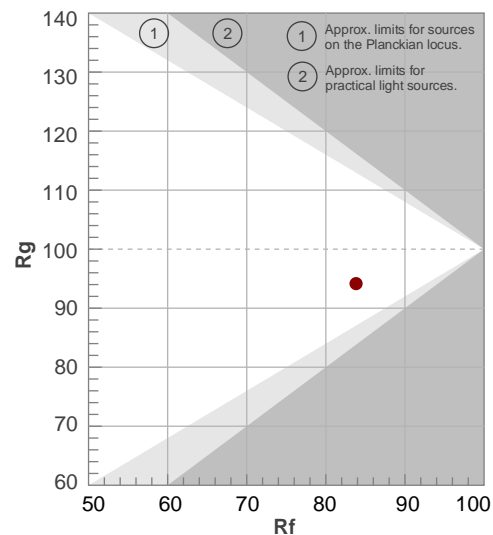
Rf 83,8

Fidelity index Rf

Rg 94,2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	78	-12%	1%
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3	78	-3%	11%
4	90	-1%	5%
5	93	1%	3%
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7	87	-6%	-6%
8	91	-5%	0%
9	86	-6%	6%
10	81	-3%	12%
11	82	1%	13%
12	85	7%	1%
13	86	4%	-10%
14	79	4%	-17%
15	83	-5%	-9%
16	75	-11%	-16%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

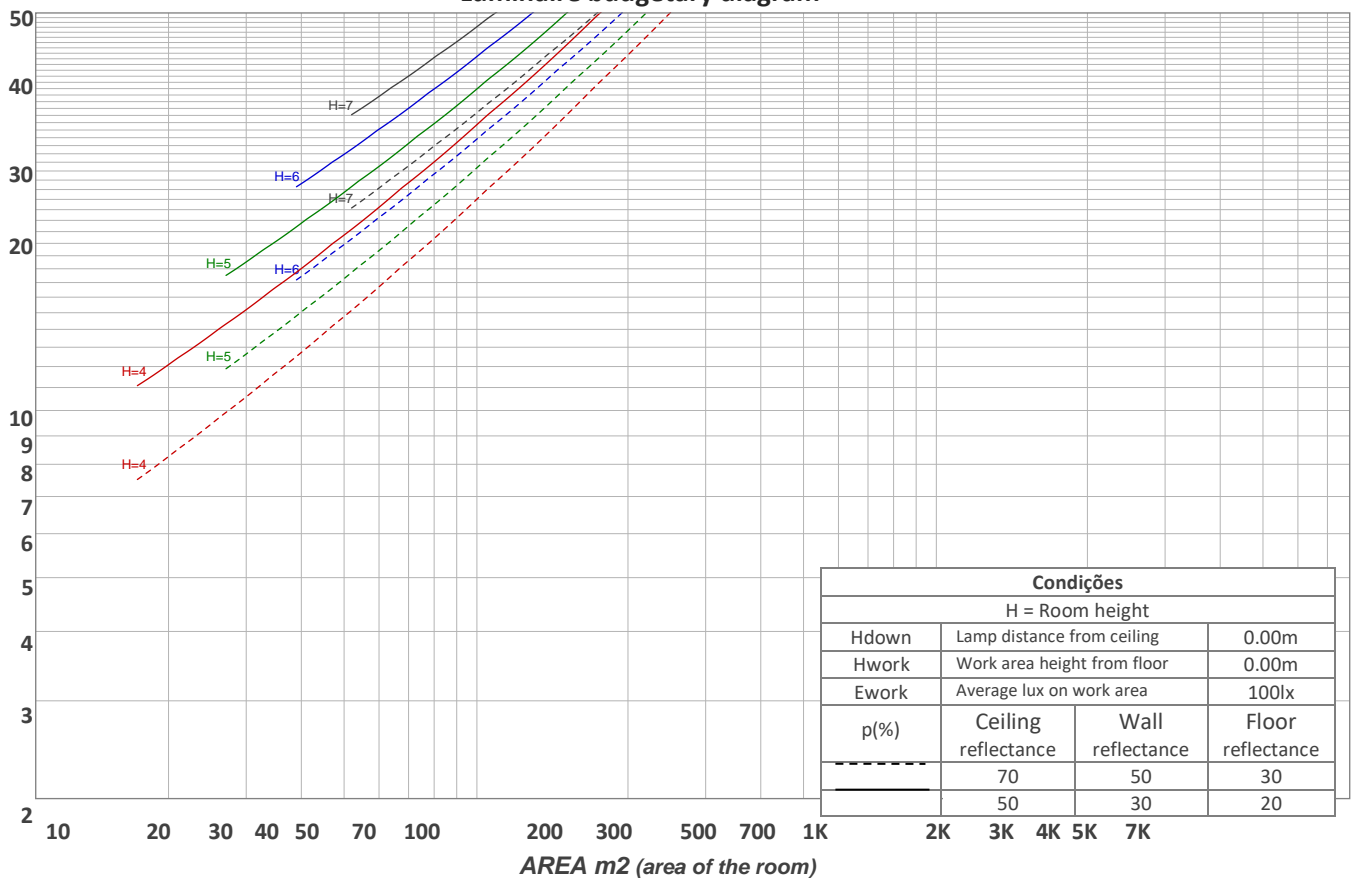
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15,2	16,3	15,9	17,0	17,8	19,8	20,9	20,4	21,6	22,4
	3H	16,4	17,5	17,1	18,1	18,9	22,8	23,9	23,5	24,6	25,3
	4H	16,8	17,9	17,5	18,5	19,3	24,5	25,5	25,2	26,2	27,0
	6H	17,1	18,0	17,8	18,7	19,6	26,4	27,3	27,0	28,0	28,8
	8H	17,2	18,1	17,9	18,8	19,6	27,4	28,4	28,1	29,0	29,9
	12H	17,2	18,2	17,9	18,8	19,7	28,5	29,5	29,2	30,2	31,0
4H	2H	16,7	17,8	17,4	18,4	19,2	20,1	21,1	20,8	21,8	22,5
	3H	18,2	19,2	18,9	19,8	20,7	23,3	24,3	24,0	24,9	25,8
	4H	18,7	19,8	19,5	20,3	21,2	25,1	26,2	25,8	26,7	27,6
	6H	19,1	19,9	19,9	20,6	21,5	27,1	27,9	27,9	28,6	29,4
	8H	19,2	19,9	20,0	20,7	21,5	28,2	28,9	29,0	29,6	30,5
	12H	19,3	19,9	20,1	20,7	21,6	29,4	30,0	30,2	30,8	31,7
8H	4H	20,0	20,7	20,8	21,4	22,3	25,2	25,9	26,0	26,6	27,5
	6H	20,7	21,3	21,5	22,1	23,0	27,4	27,9	28,2	28,7	29,7
	8H	21,0	21,4	21,8	22,3	23,3	28,6	29,1	29,4	29,9	30,9
	12H	21,1	21,6	22,0	22,4	23,4	30,0	30,4	30,8	31,3	32,2
12H	4H	20,4	21,0	21,2	21,8	22,7	25,1	25,7	25,9	26,5	27,4
	6H	21,3	21,8	22,1	22,7	23,6	27,4	27,9	28,2	28,7	29,7
	8H	21,7	22,1	22,5	23,0	23,9	28,6	29,1	29,5	29,9	30,9
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,2 / -0,2					0,3 / -0,3				
S = 2.0H		0,4 / -0,5					0,6 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 748 lm total luminous flux											

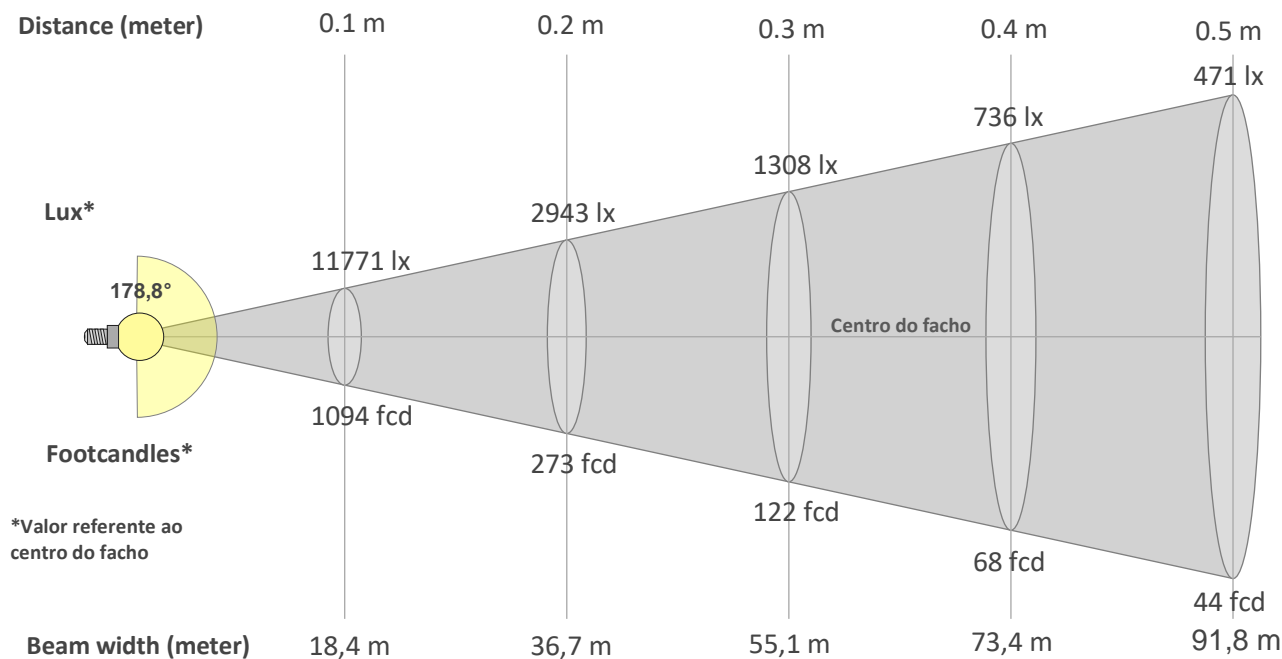
Coeficiente de utilização

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	78	78	78	74
1	99	93	87	82	93	88	83	78	79	75	71	70	67	64	63	60	58	54
2	89	79	71	64	83	75	67	61	67	61	56	59	55	50	53	49	46	42
3	80	68	59	51	75	64	56	49	58	51	45	51	46	41	45	41	37	34
4	73	59	50	42	68	56	47	41	50	43	37	45	39	34	40	35	31	28
5	66	53	43	36	62	50	41	34	45	37	32	40	34	29	35	30	26	23
6	61	47	37	31	57	44	36	29	40	33	27	36	30	25	32	27	23	20
7	56	42	33	27	53	40	32	26	36	29	24	32	26	22	29	24	20	17
8	52	38	29	23	49	36	28	23	33	26	21	30	24	19	27	21	18	15
9	49	35	26	21	46	33	25	20	30	23	19	27	21	17	24	19	16	14
10	45	32	24	19	43	30	23	18	28	21	17	25	19	15	23	18	14	12

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
118lx	29lx	13lx	7lx	5lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx	0lx
10,9fcd	2,7fcd	1,2fcd	0,7fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd	0fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
118	116	112	104	94	81	66	49	32	15	4	3	3	3	3	3	3	3	3	3
100%	99%	95%	88%	80%	69%	56%	42%	27%	12%	3%	3%	3%	3%	2%	2%	2%	2%	2%	3%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
118	119	122	123	122	120	117	112	106	99	90	81	71	61	50	39	30	20	9	3
100%	101%	103%	104%	104%	102%	99%	95%	90%	84%	76%	69%	61%	51%	42%	33%	25%	17%	7%	2%

Intensities in 180° c-plane

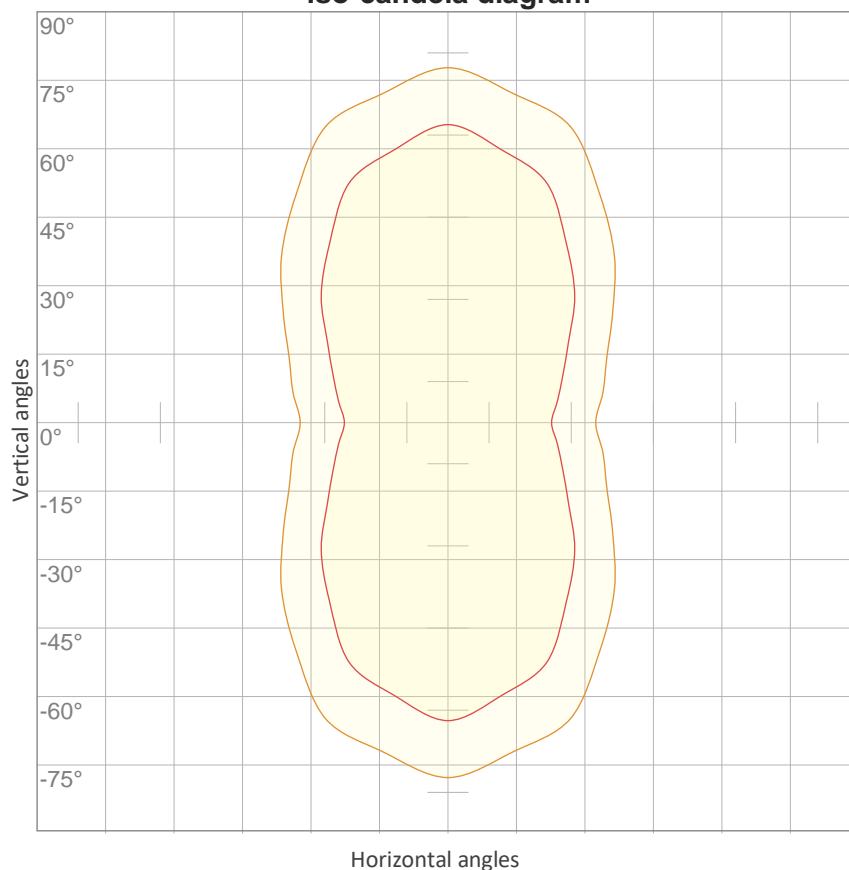
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
118	116	112	104	94	81	66	49	32	15	4	3	3	3	3	3	3	3	3	3
100%	99%	95%	88%	80%	69%	56%	42%	27%	12%	3%	3%	3%	3%	2%	2%	2%	2%	2%	3%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
118	119	122	123	122	120	117	112	106	99	90	81	71	61	50	39	30	20	9	3
100%	101%	103%	104%	104%	102%	99%	95%	90%	84%	76%	69%	61%	51%	42%	33%	25%	17%	7%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
178,8°	277,6°	353,9°	44,1%	27,5%

iso-candela diagram



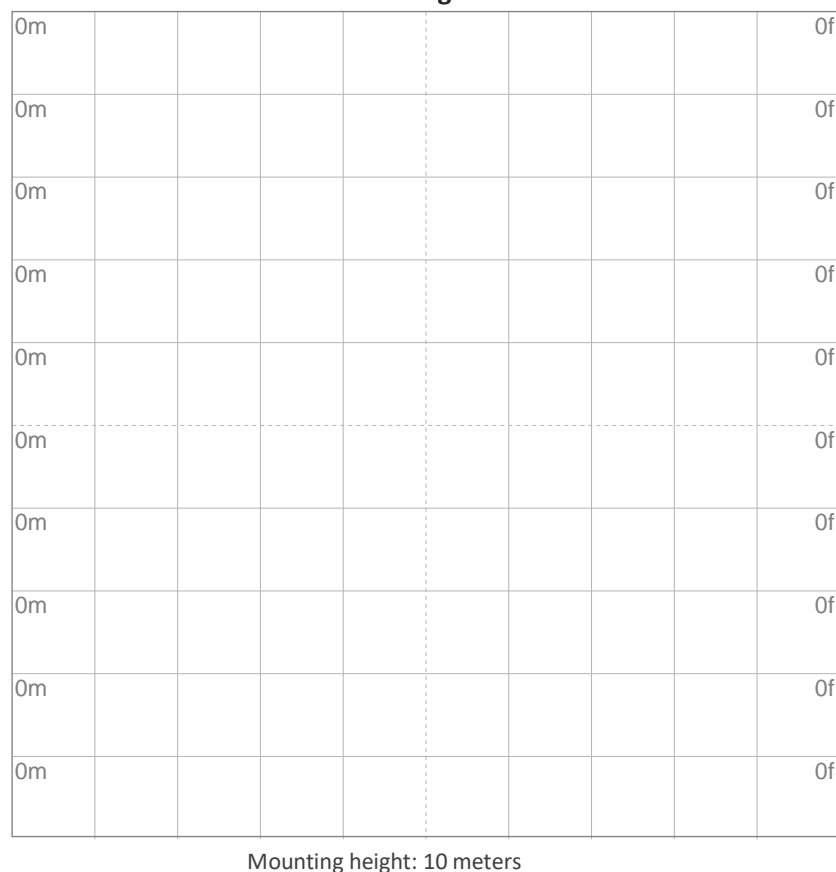
10%	12 cd
20%	24 cd
30%	35 cd
40%	47 cd
50%	59 cd
60%	71 cd
70%	82 cd
80%	94 cd
90%	106 cd

Conditions:

Number of c-planes: 16

Candela at center: 118 cd

iso-lux diagram



3%	35,3m lx
5%	58,9m lx
10%	0,118 lx
30%	0,353 lx
50%	0,589 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,18 lx

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

Potência

Vttagem: 12,0 V

Corrente: 0,800 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a