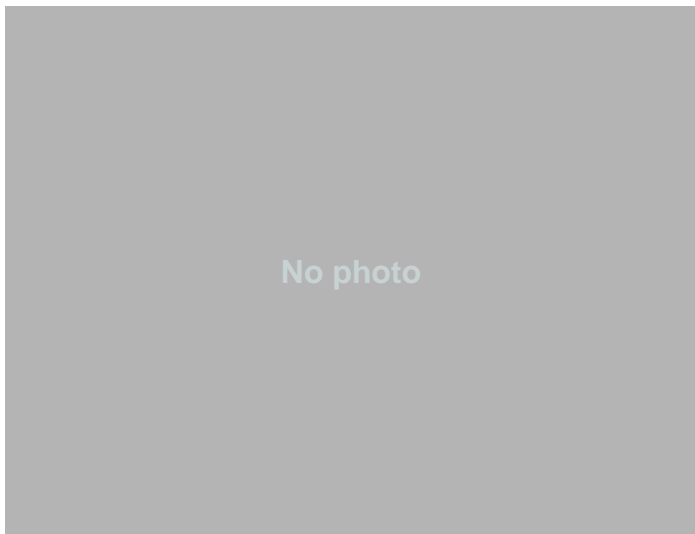


FITA SLED5102 IP65 9,6WM 3500K 80 - 1m



Fluxo luminoso – 1064 lm/m

Potência – 8,7 W/m

Intensidade pico – 323cd

CCT – 3748K

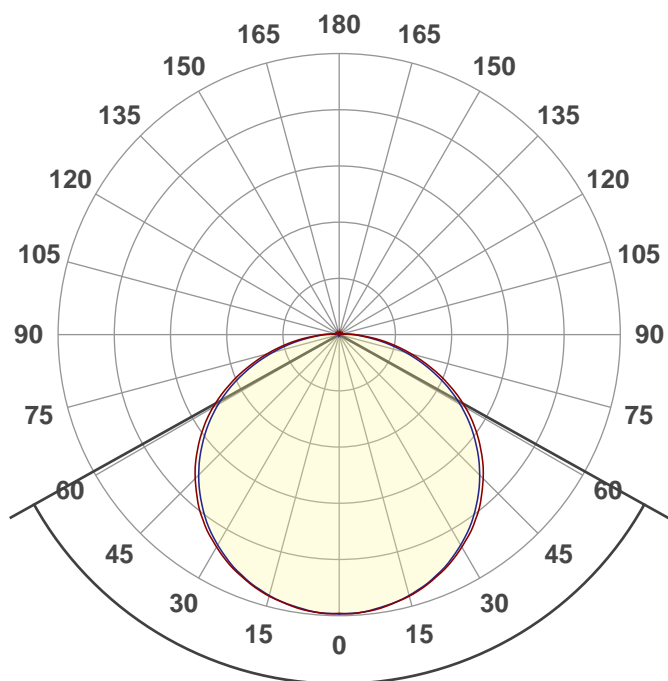


IRC – 85,6

Coordenada CIE 1931 – x- 0,392 y- 0,382

Data do ensaio

09/11/2022 07:55:29



Facho de abertura

121,8°

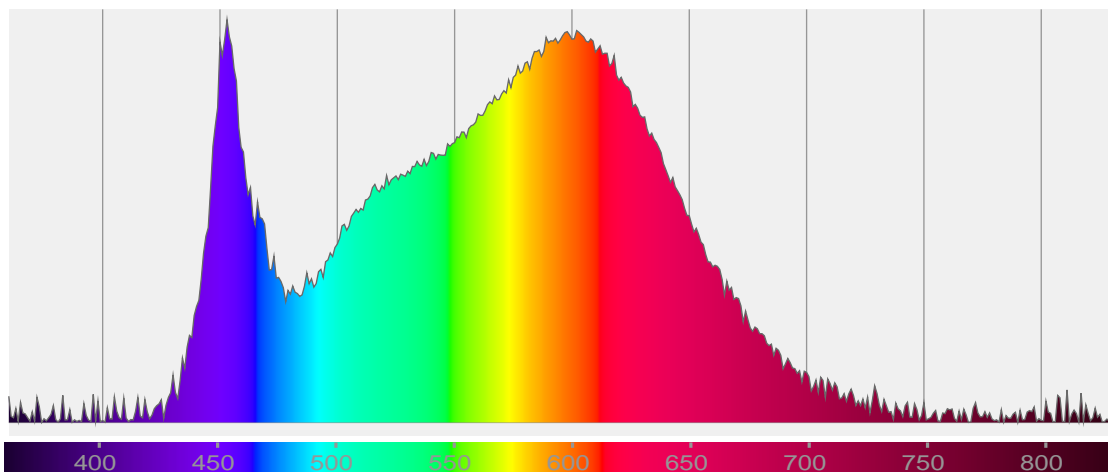
Rf 85,6

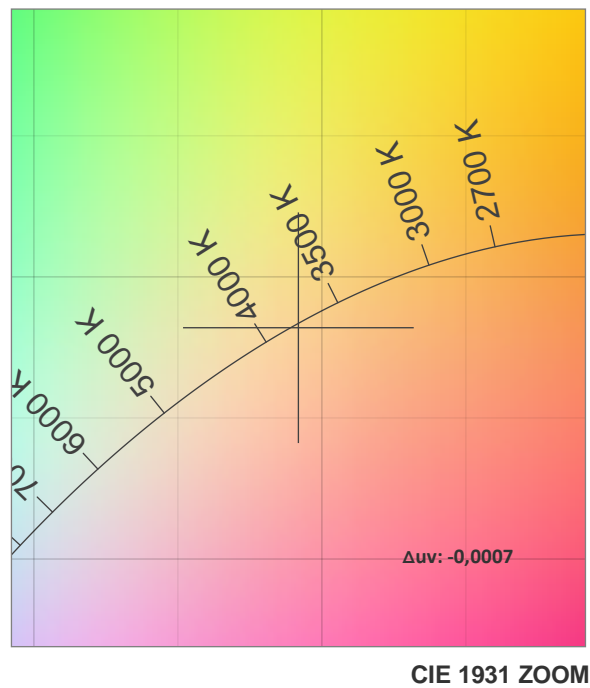
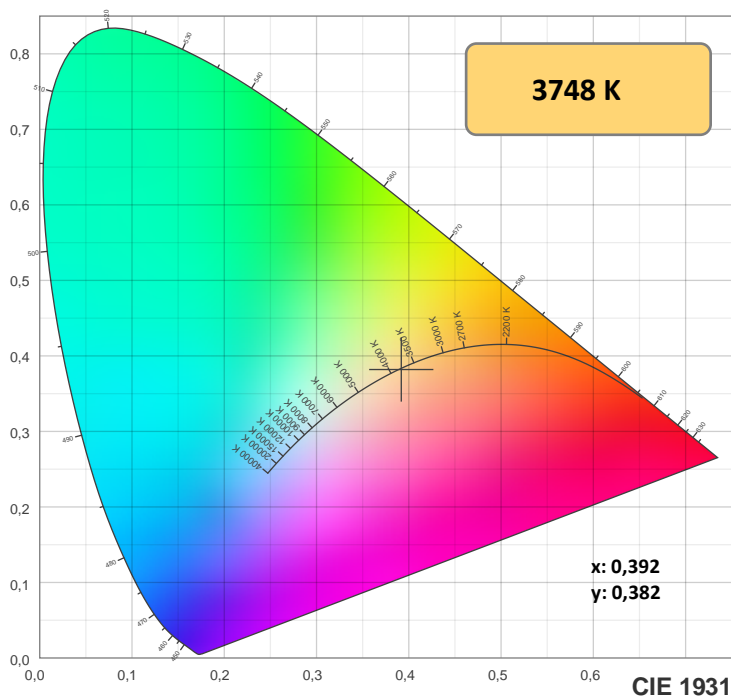
Fidelity index Rf

Rg 94,9

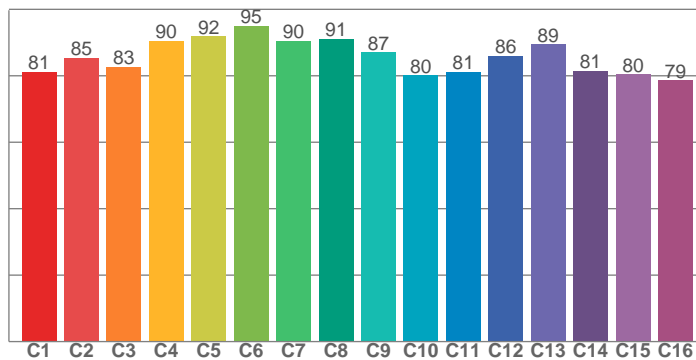
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	1%
2	85	-6%	5%
3	83	-4%	8%
4	90	-2%	4%
5	92	-3%	2%
6	95	-1%	-1%
7	90	-6%	-1%
8	91	-5%	2%
9	87	-5%	7%
10	80	-3%	13%
11	81	4%	12%
12	86	6%	2%
13	89	3%	-6%
14	81	5%	-14%
15	80	-3%	-13%
16	79	-7%	-11%

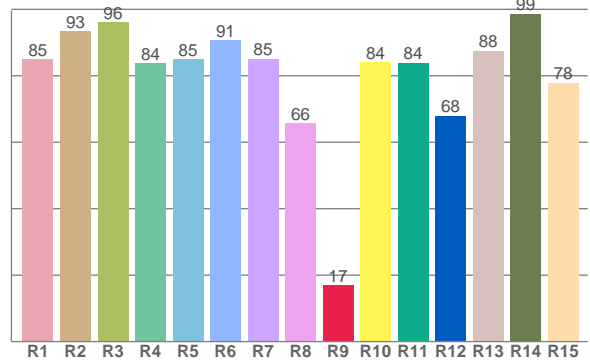




TM-30: 85,6



CRI: 85,6 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
85,0	93,5	96,2	83,9	84,9	90,6	85,1	65,7	17,0	84,1	83,9	68,0	87,5	98,7	77,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,1	85,4	82,7	90,5	91,9	95,0	90,4	91,1	87,0	80,1	81,1	85,9	89,4	81,5	80,4	78,7

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
3748 K	85,6	17,0	85,6	94,9	84,6	0,392	0,382	0,230	0,337	-0,0007

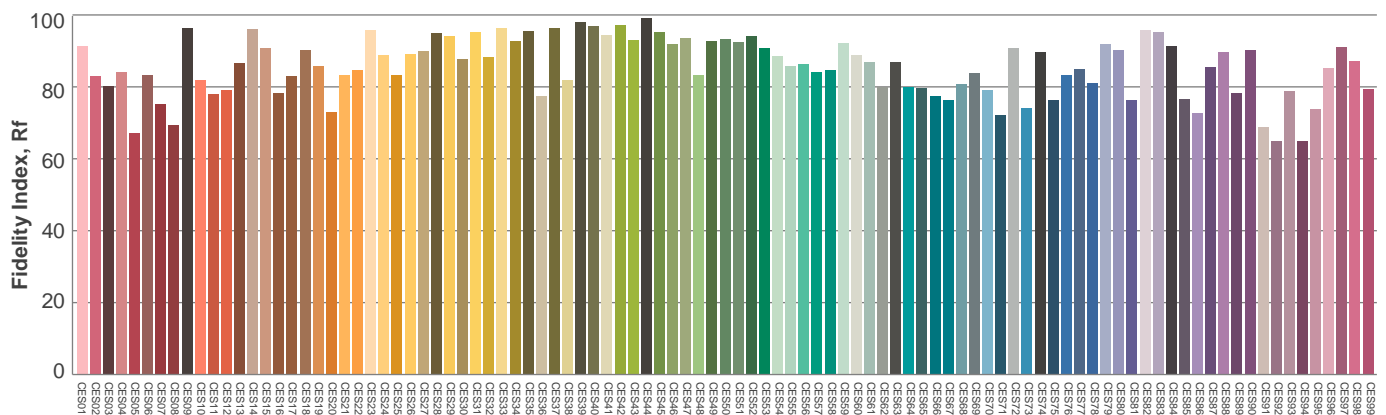
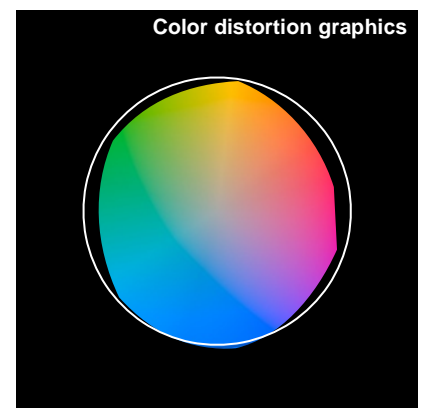
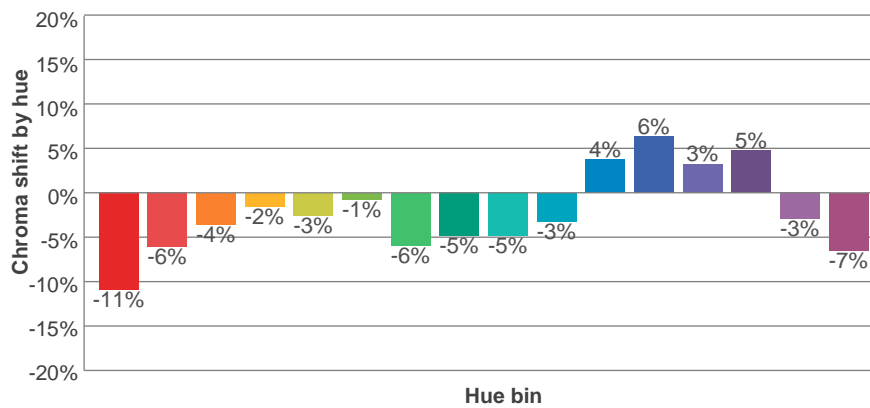
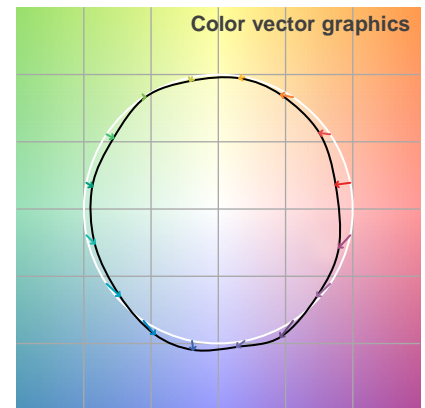
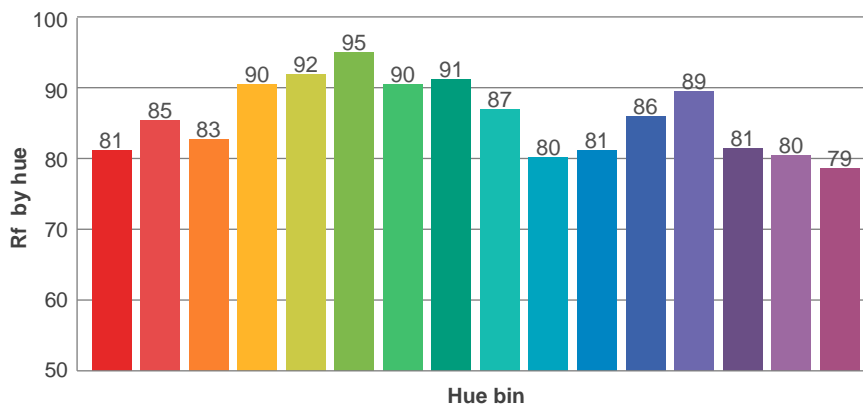
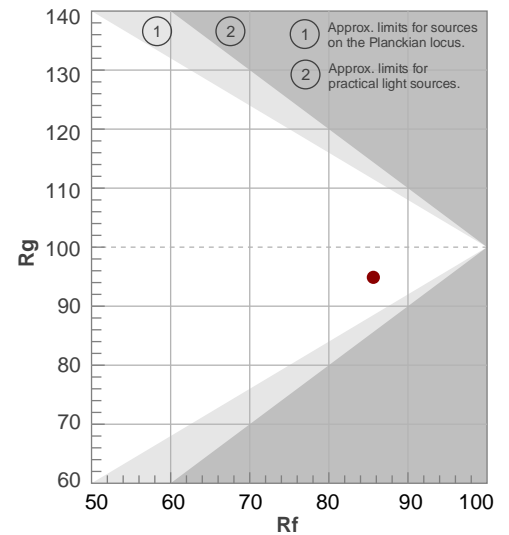
Rf 85,6

Fidelity index Rf

Rg 94,9

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	1%
2	85	-6%	5%
3	83	-4%	8%
4	90	-2%	4%
5	92	-3%	2%
6	95	-1%	-1%
7	90	-6%	-1%
8	91	-5%	2%
9	87	-5%	7%
10	80	-3%	13%
11	81	4%	12%
12	86	6%	2%
13	89	3%	-6%
14	81	5%	-14%
15	80	-3%	-13%
16	79	-7%	-11%



Glare Evaluation According to UGR

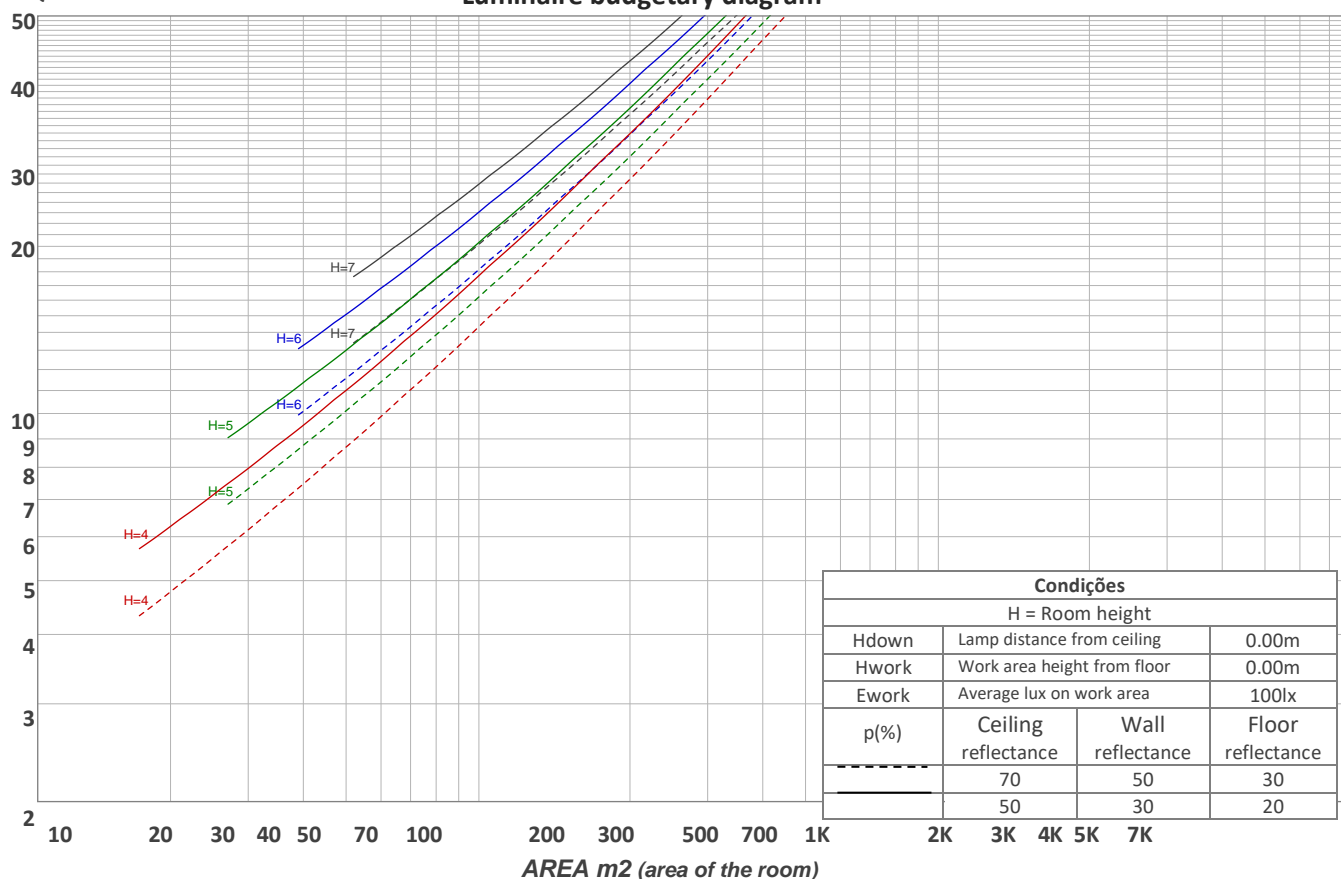
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	28,7	30,0	29,0	30,3	30,6	28,9	30,1	29,2	30,5	30,8
	3H	30,3	31,6	30,8	32,0	32,2	30,5	31,8	31,0	32,2	32,4
	4H	31,1	32,3	31,5	32,6	32,9	31,3	32,5	31,8	32,9	33,2
	6H	31,7	32,8	32,0	33,1	33,5	32,0	33,1	32,4	33,4	33,9
	8H	31,9	33,0	32,3	33,3	33,8	32,3	33,3	32,6	33,7	34,1
	12H	32,1	33,1	32,5	33,5	34,0	32,5	33,5	32,9	33,9	34,4
4H	2H	29,4	30,6	29,8	30,9	31,3	29,5	30,7	30,0	31,1	31,4
	3H	31,3	32,4	31,7	32,7	33,2	31,5	32,5	31,9	32,9	33,4
	4H	32,1	33,1	32,6	33,5	34,1	32,3	33,3	32,8	33,7	34,3
	6H	32,8	33,7	33,3	34,1	34,5	33,1	34,0	33,6	34,4	34,8
	8H	33,1	33,9	33,6	34,3	34,8	33,4	34,2	33,9	34,6	35,1
	12H	33,3	34,0	33,8	34,5	35,0	33,7	34,4	34,2	34,9	35,4
8H	4H	32,4	33,3	33,0	33,7	34,1	32,6	33,4	33,2	33,9	34,3
	6H	33,3	34,0	33,9	34,5	35,1	33,6	34,2	34,1	34,7	35,3
	8H	33,8	34,3	34,3	34,9	35,6	34,0	34,6	34,6	35,2	35,8
	12H	34,1	34,6	34,7	35,1	35,8	34,5	34,9	35,1	35,5	36,1
12H	4H	32,5	33,2	33,0	33,6	34,2	32,6	33,3	33,2	33,8	34,3
	6H	33,5	34,0	34,0	34,6	35,3	33,7	34,2	34,2	34,8	35,5
	8H	33,9	34,4	34,5	34,9	35,6	34,2	34,6	34,8	35,2	35,8
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 / -0,4					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1064 lm total luminous flux											

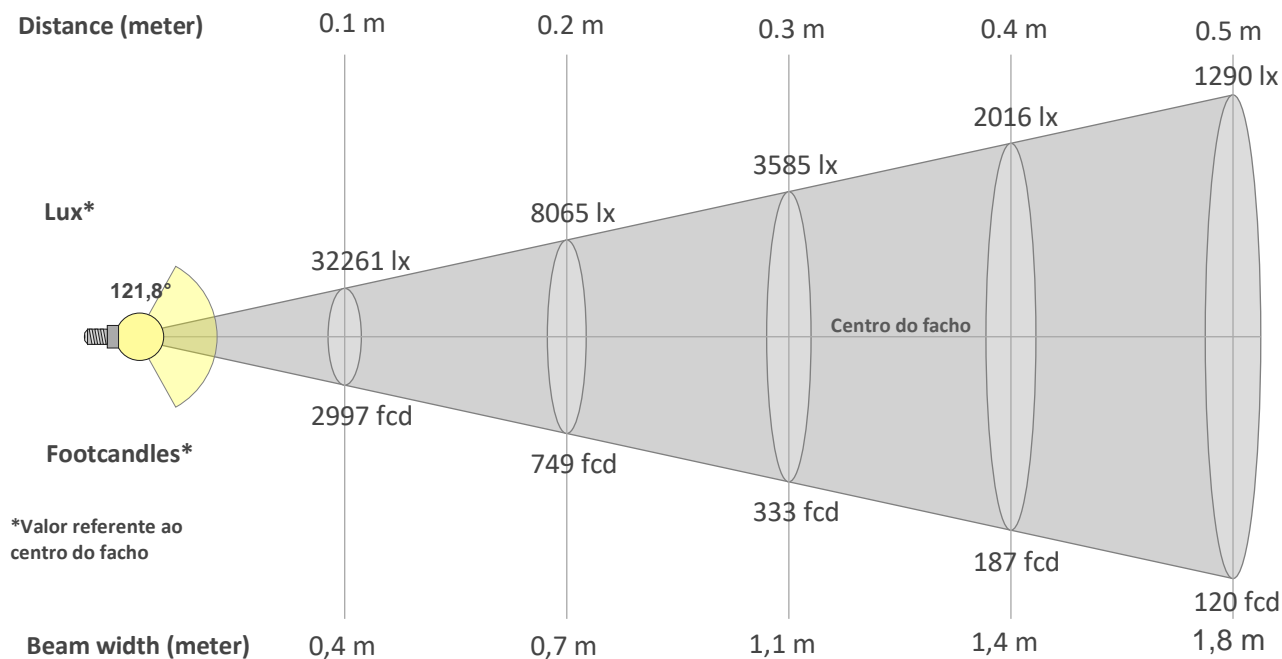
Coeficiente de utilização

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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	107	102	97	93	104	99	95	91	94	91	88	90	87	85	86	84	82	79
2	97	88	81	74	94	86	79	73	82	76	71	78	73	69	75	71	67	65
3	88	77	68	61	85	75	67	60	72	65	59	68	63	58	65	61	56	54
4	80	68	58	51	78	66	58	51	63	56	50	61	54	49	58	53	48	46
5	74	60	51	44	71	59	50	44	56	49	43	54	47	42	52	46	41	39
6	68	54	45	38	66	53	44	38	51	43	37	49	42	37	47	41	36	34
7	63	49	40	33	61	48	39	33	46	38	33	44	38	32	43	37	32	30
8	58	44	36	30	57	44	35	30	42	35	29	41	34	29	39	33	29	27
9	54	41	32	27	53	40	32	27	39	31	26	37	31	26	36	30	26	24
10	51	38	29	24	50	37	29	24	36	29	24	35	28	24	34	28	23	21

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
323lx	81lx	36lx	20lx	13lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
30fcd	7,5fcd	3,3fcd	1,9fcd	1,2fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	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°
323	322	319	313	305	296	284	270	254	235	215	193	168	142	114	87	60	35	19	6
100%	100%	99%	97%	95%	92%	88%	84%	79%	73%	67%	60%	52%	44%	35%	27%	19%	11%	6%	2%

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°
323	322	318	312	304	294	281	266	249	230	209	186	162	135	107	80	54	31	16	7
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	33%	25%	17%	10%	5%	2%

Intensities in 180° c-plane

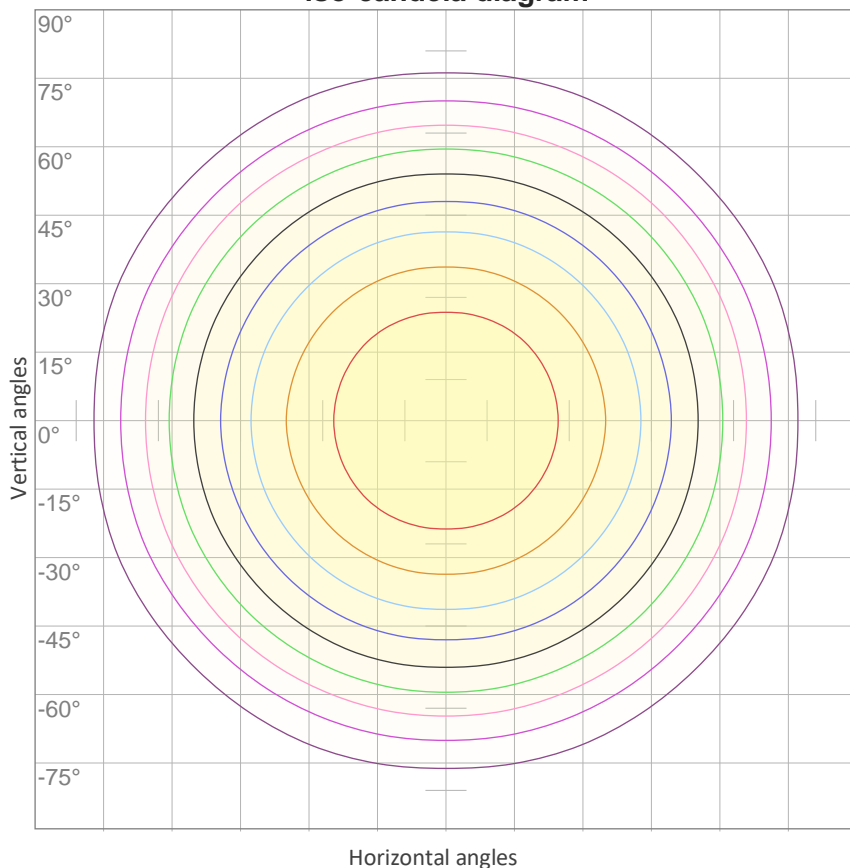
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
323	322	319	313	305	296	284	270	254	235	215	193	168	142	114	87	60	35	19	6
100%	100%	99%	97%	95%	92%	88%	84%	79%	73%	67%	60%	52%	44%	35%	27%	19%	11%	6%	2%

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°
323	322	318	312	304	294	281	266	249	230	209	186	162	135	107	80	54	31	16	7
100%	100%	99%	97%	94%	91%	87%	82%	77%	71%	65%	58%	50%	42%	33%	25%	17%	10%	5%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
121,8°	171,4°	192,8°	72,6%	48,2%

iso-candela diagram



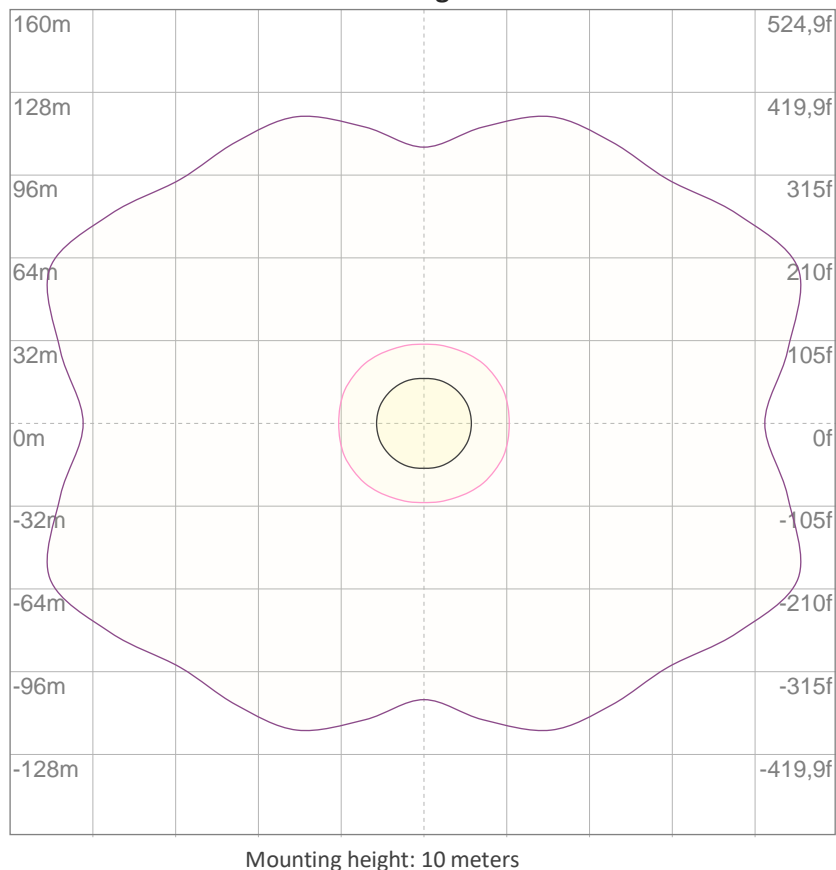
10%	32 cd
20%	65 cd
30%	97 cd
40%	129 cd
50%	161 cd
60%	194 cd
70%	226 cd
80%	258 cd
90%	290 cd

Conditions:

Number of c-planes: 16

Candela at center: 323 cd

iso-lux diagram



3%	96,8m lx
5%	0,161 lx
10%	0,323 lx
30%	0,968 lx
50%	1,61 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,23 lx

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

Potência

Vttagem: 12,0 V

Corrente: 0,728 A

Frequência: 0 Hz

FP: 0,99

THD



THD corrente: n/a

THD tensão: n/a