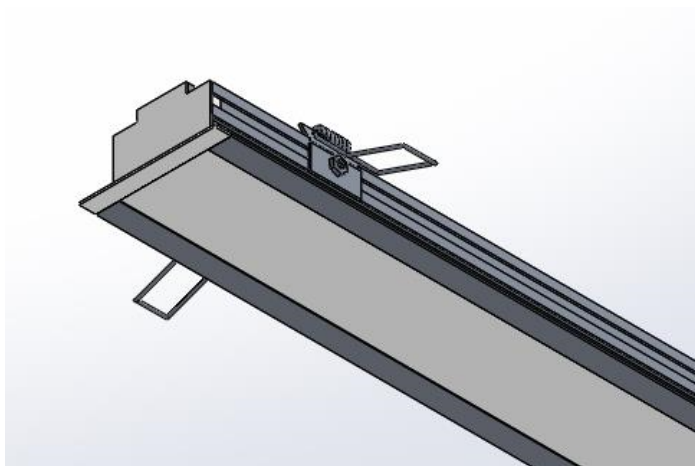


SLED9104 E46 BARRA M80B 99W 3000K 80 2724mm



Fluxo luminoso – 8766 lm

Potência – 97,4 W

Intensidade pico – 3440cd

CCT – 2866K

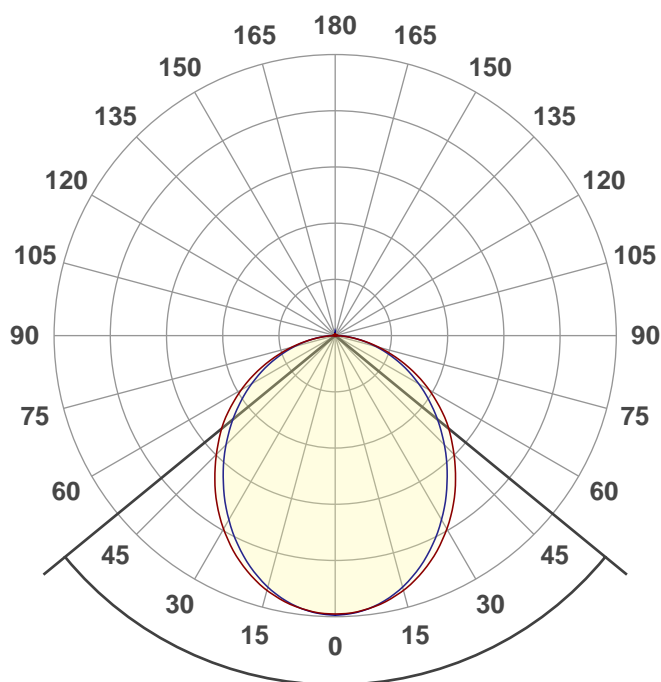


IRC – 83,5

Coordenada CIE 1931 – x- 0,445 y- 0,403

Data do ensaio

14/03/2023 15:08:57



Facho de abertura

101,3°

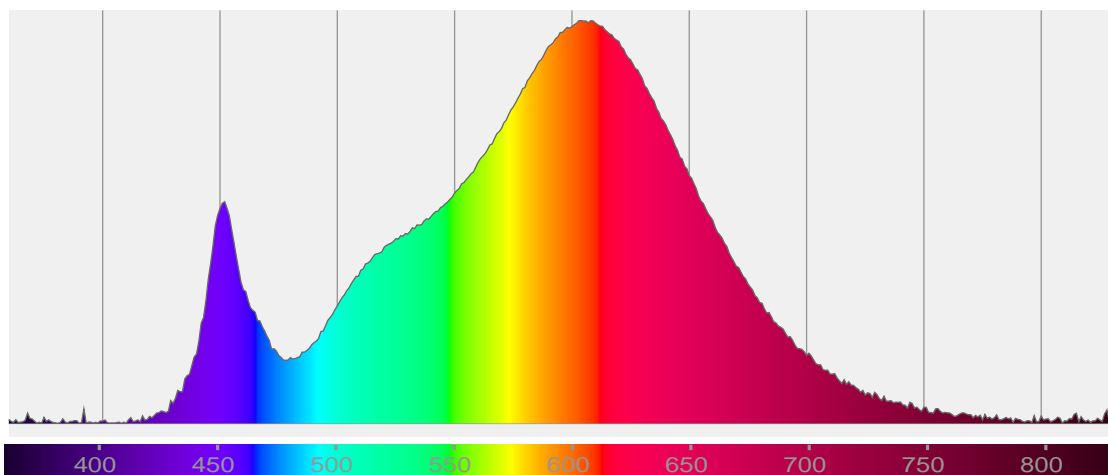
Rf 84,9

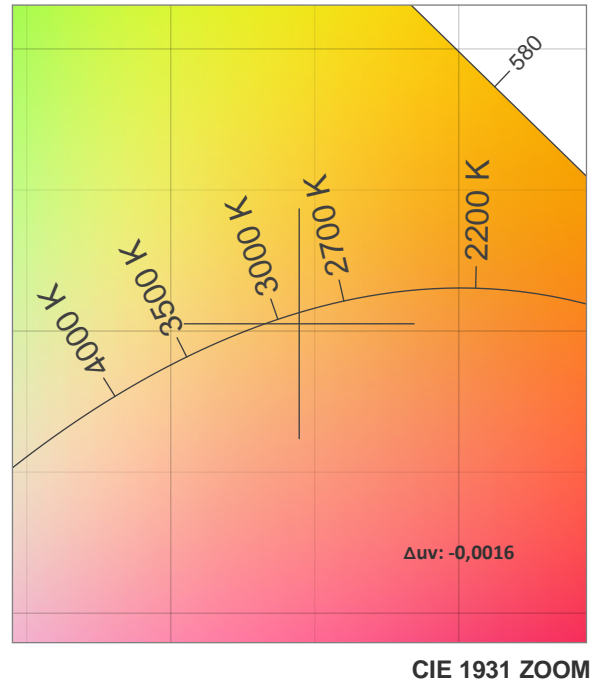
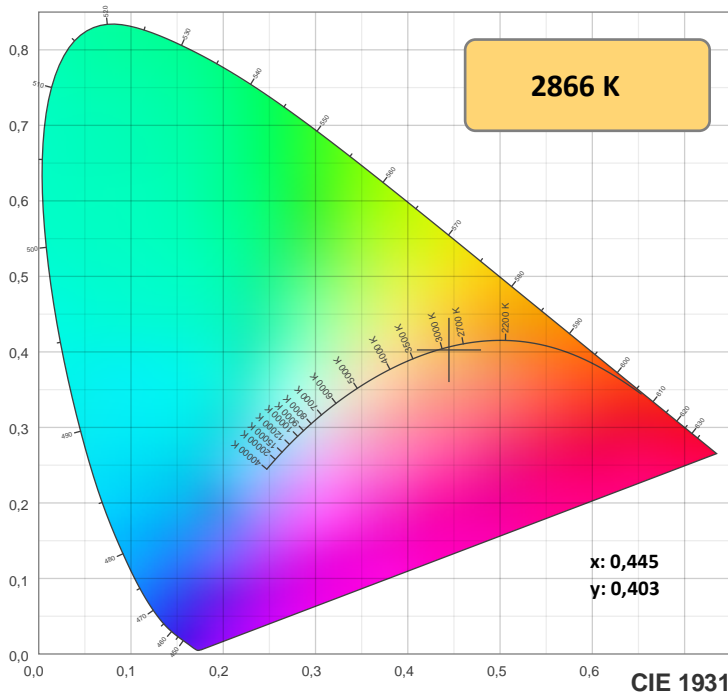
Fidelity index Rf

Rg 97,0

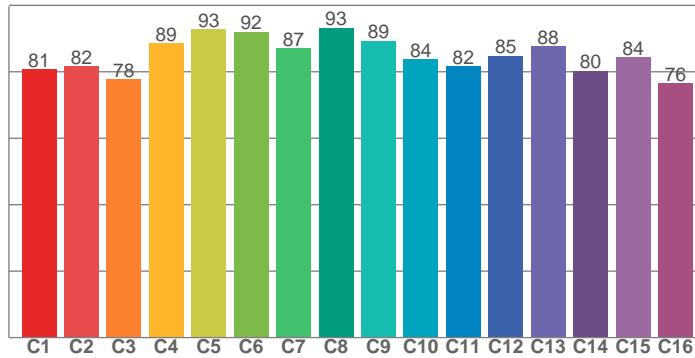
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	82	-8%	7%
3	78	-3%	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	76	-8%	-17%

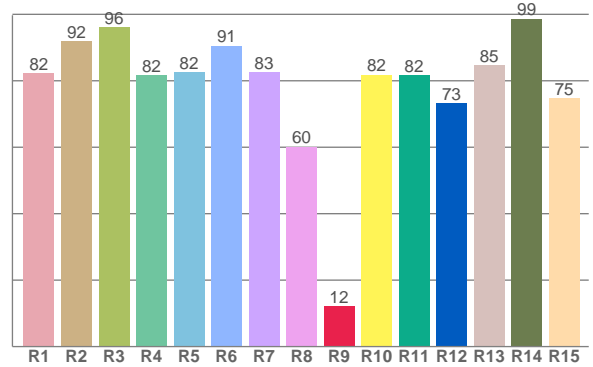




TM-30: 84,9



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,4	92,0	96,1	81,7	82,5	90,5	82,5	60,2	12,2	81,8	81,6	73,2	84,8	98,7	74,6

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	81,6	77,8	88,6	92,7	92,0	87,0	93,2	89,3	83,8	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
2866 K	83,5	12,2	84,9	97,0	82,2	0,445	0,403	0,256	0,348	-0,0016

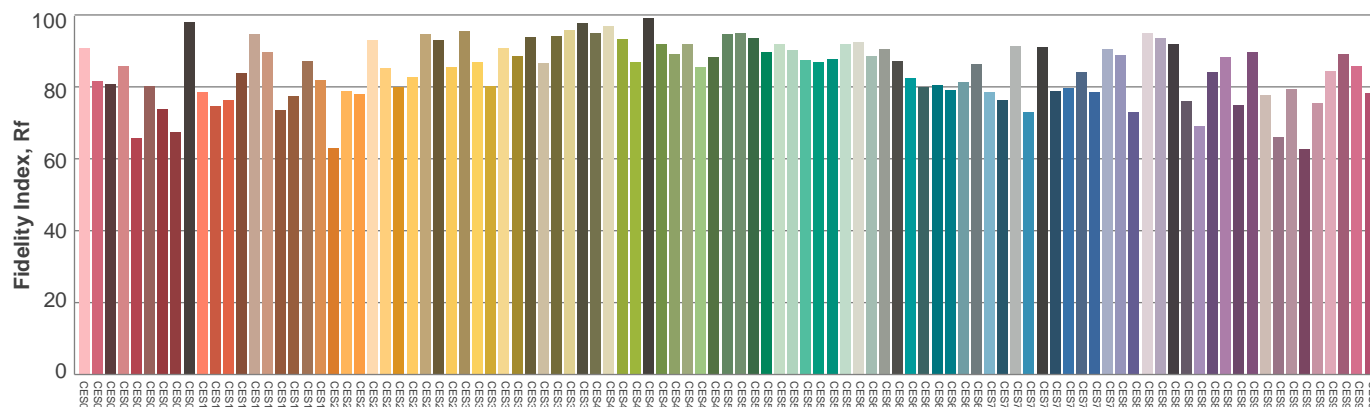
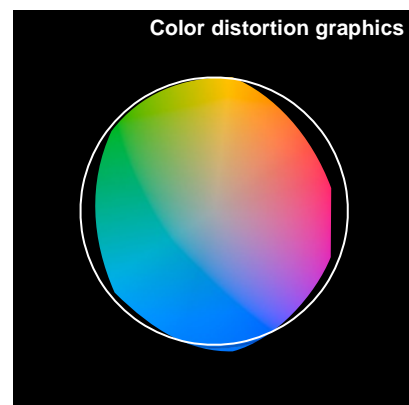
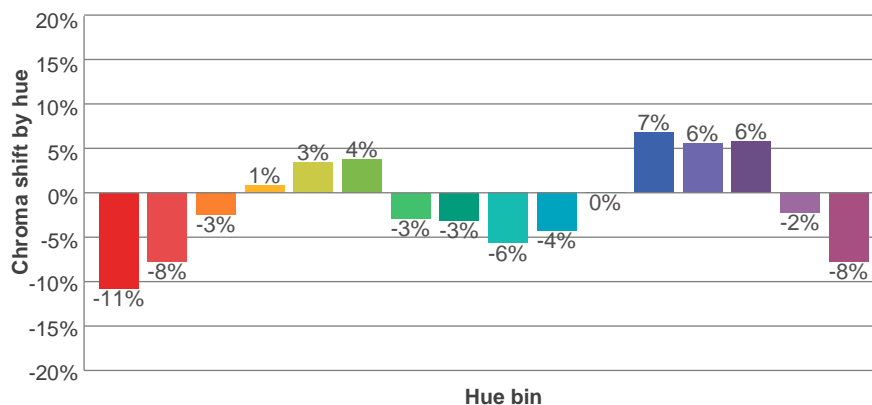
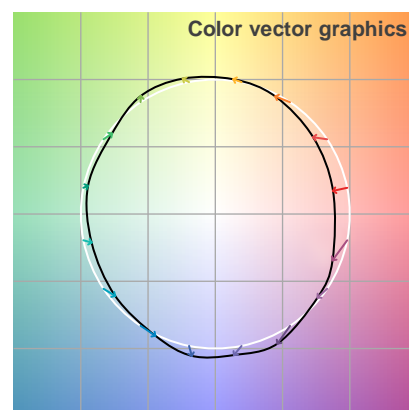
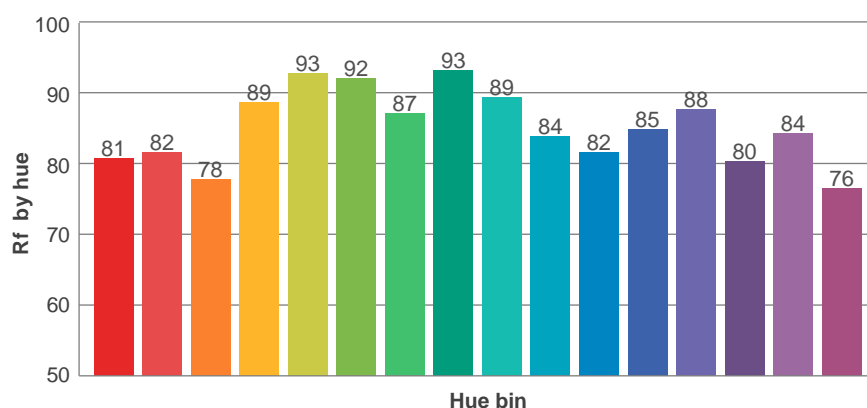
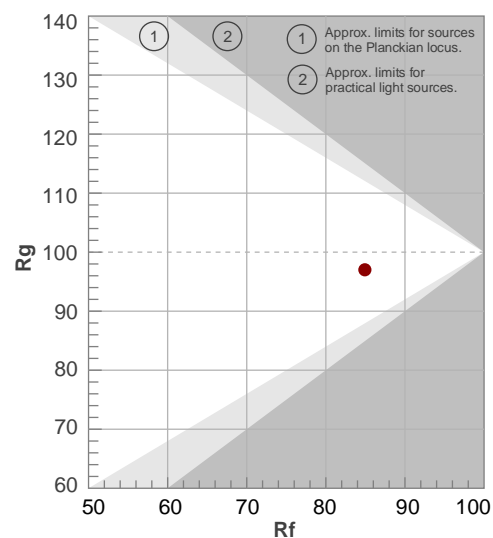
Rf 84,9

Fidelity index Rf

Rg 97,0

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	82	-8%	7%
3	78	-3%	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	76	-8%	-17%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

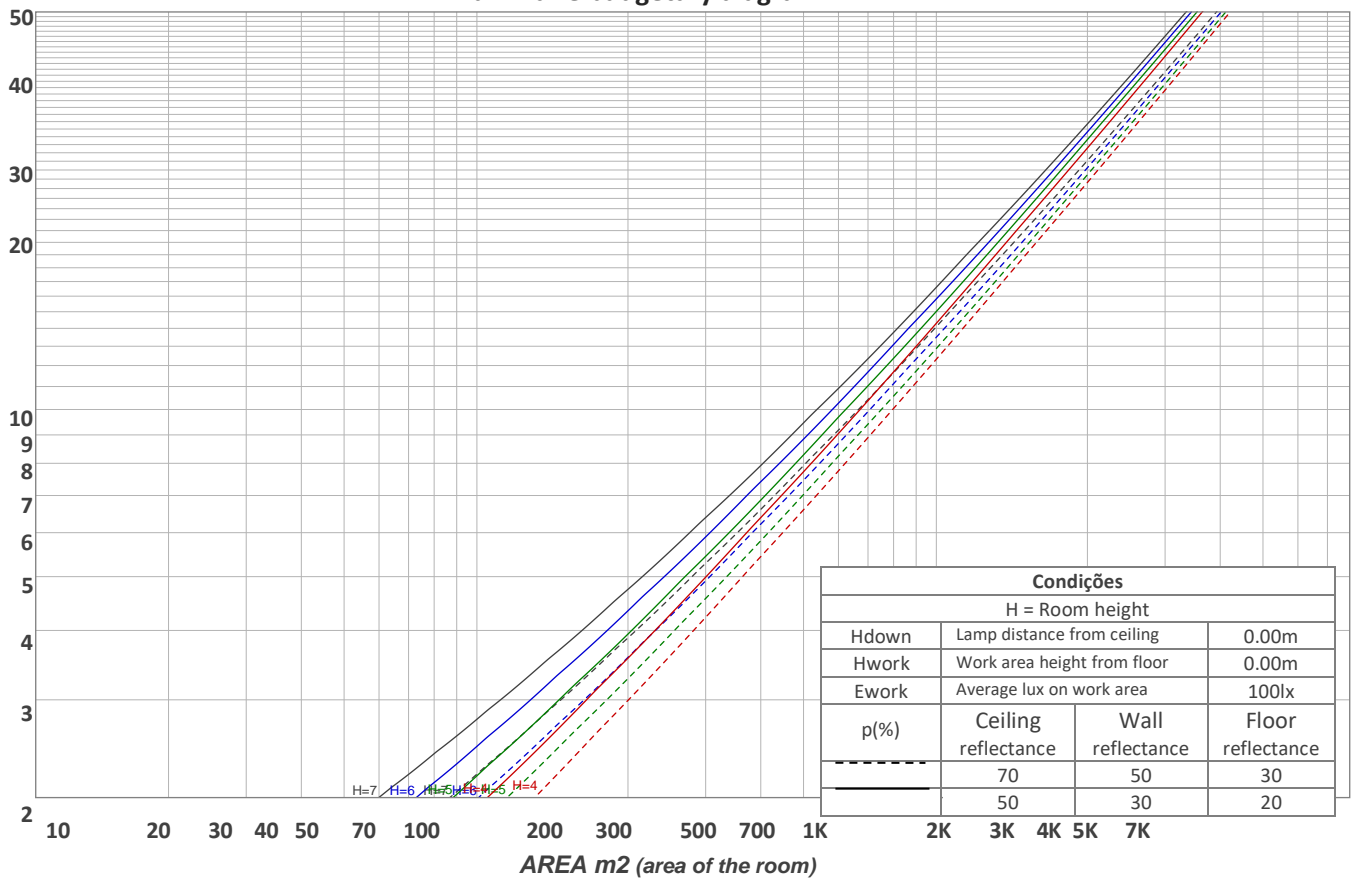
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	23,3	24,5	23,5	24,8	25,0	22,8	24,0	23,0	24,3	24,5
	3H	24,7	25,9	25,1	26,2	26,4	24,1	25,4	24,6	25,7	25,9
	4H	25,3	26,5	25,7	26,8	27,0	24,8	25,9	25,2	26,2	26,5
	6H	25,8	26,8	26,1	27,1	27,5	25,3	26,3	25,6	26,6	27,0
	8H	25,9	26,9	26,3	27,2	27,7	25,4	26,4	25,8	26,7	27,2
	12H	26,0	26,9	26,4	27,3	27,8	25,5	26,5	25,9	26,8	27,3
4H	2H	23,8	25,0	24,2	25,3	25,5	23,4	24,6	23,8	24,9	25,1
	3H	25,5	26,5	25,9	26,9	27,3	25,1	26,1	25,5	26,4	26,9
	4H	26,2	27,1	26,7	27,5	28,1	25,8	26,7	26,2	27,1	27,6
	6H	26,7	27,6	27,3	28,0	28,4	26,3	27,2	26,8	27,6	27,9
	8H	26,9	27,7	27,4	28,1	28,5	26,5	27,3	27,0	27,7	28,1
	12H	27,0	27,7	27,5	28,1	28,6	26,7	27,3	27,2	27,7	28,2
8H	4H	26,5	27,2	27,0	27,6	28,0	26,1	26,8	26,6	27,2	27,6
	6H	27,2	27,8	27,7	28,2	28,8	26,8	27,4	27,3	27,9	28,4
	8H	27,4	28,0	28,0	28,5	29,1	27,1	27,6	27,6	28,2	28,8
	12H	27,6	28,1	28,2	28,6	29,2	27,3	27,8	27,9	28,3	28,9
12H	4H	26,5	27,1	27,0	27,5	28,0	26,1	26,7	26,6	27,2	27,6
	6H	27,2	27,8	27,8	28,3	28,9	26,9	27,4	27,4	27,9	28,6
	8H	27,5	28,0	28,1	28,5	29,1	27,2	27,6	27,8	28,2	28,8
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,2 / -0,2					0,1 / -0,3				
S = 2.0H		0,5 / -0,5					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 8766 lm total luminous flux											

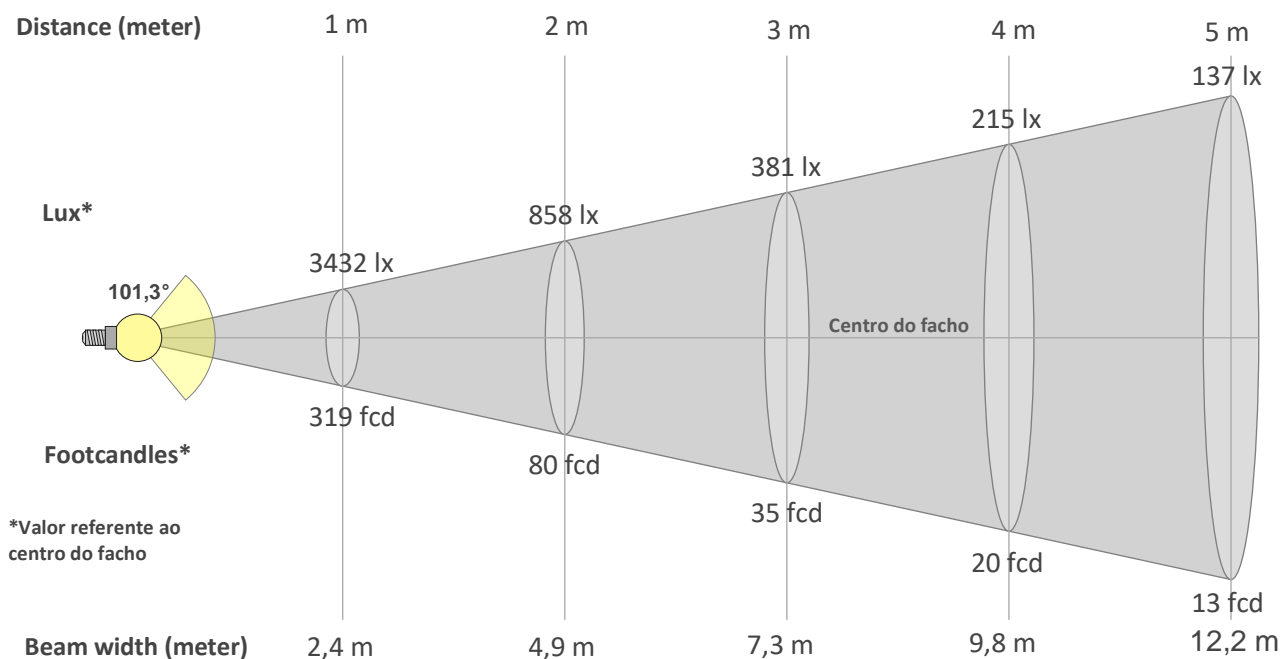
Coeficiente de utilização

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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	75	72	70
3	91	80	72	66	88	79	71	65	75	69	64	73	67	63	70	65	61	59
4	83	71	63	56	81	70	62	56	67	60	55	65	59	54	63	57	53	51
5	76	64	55	48	74	63	54	48	60	53	47	58	52	47	57	51	46	44
6	71	58	49	42	69	57	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	38	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	34	60	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	52	40	33	28	39	32	27	38	32	27	37	31	27	25

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
3432lx	858lx	381lx	215lx	137lx	95lx	70lx	54lx	42lx	34lx	28lx	24lx	20lx	18lx	15lx	13lx	12lx	11lx	10lx	9lx
318,9fcd	79,7fcd	35,4fcd	19,9fcd	12,8fcd	8,9fcd	6,5fcd	5fcd	3,9fcd	3,2fcd	2,6fcd	2,2fcd	1,9fcd	1,6fcd	1,4fcd	1,2fcd	1,1fcd	1fcd	0,9fcd	0,8fcd

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°
3432	3406	3346	3247	3109	2943	2749	2536	2305	2069	1838	1592	1335	1073	810	559	327	134	22	8
100%	99%	97%	95%	91%	86%	80%	74%	67%	60%	54%	46%	39%	31%	24%	16%	10%	4%	1%	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°
3432	3411	3332	3205	3038	2838	2617	2385	2143	1901	1660	1422	1188	960	734	519	318	140	18	4
100%	99%	97%	93%	89%	83%	76%	69%	62%	55%	48%	41%	35%	28%	21%	15%	9%	4%	1%	0%

Intensities in 180° c-plane

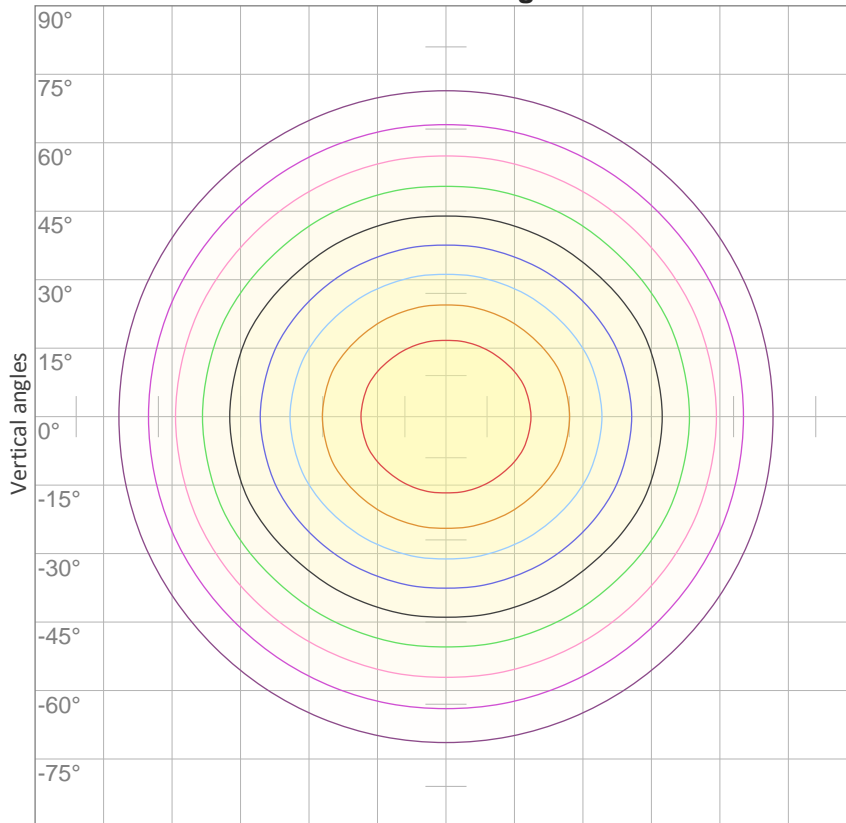
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
3432	3406	3346	3247	3109	2943	2749	2536	2305	2069	1838	1592	1335	1073	810	559	327	134	22	8
100%	99%	97%	95%	91%	86%	80%	74%	67%	60%	54%	46%	39%	31%	24%	16%	10%	4%	1%	0%

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°
3432	3411	3332	3205	3038	2838	2617	2385	2143	1901	1660	1422	1188	960	734	519	318	140	18	4
100%	99%	97%	93%	89%	83%	76%	69%	62%	55%	48%	41%	35%	28%	21%	15%	9%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
101,3°	159,1°	173,4°	79,6%	55,6%

iso-candela diagram



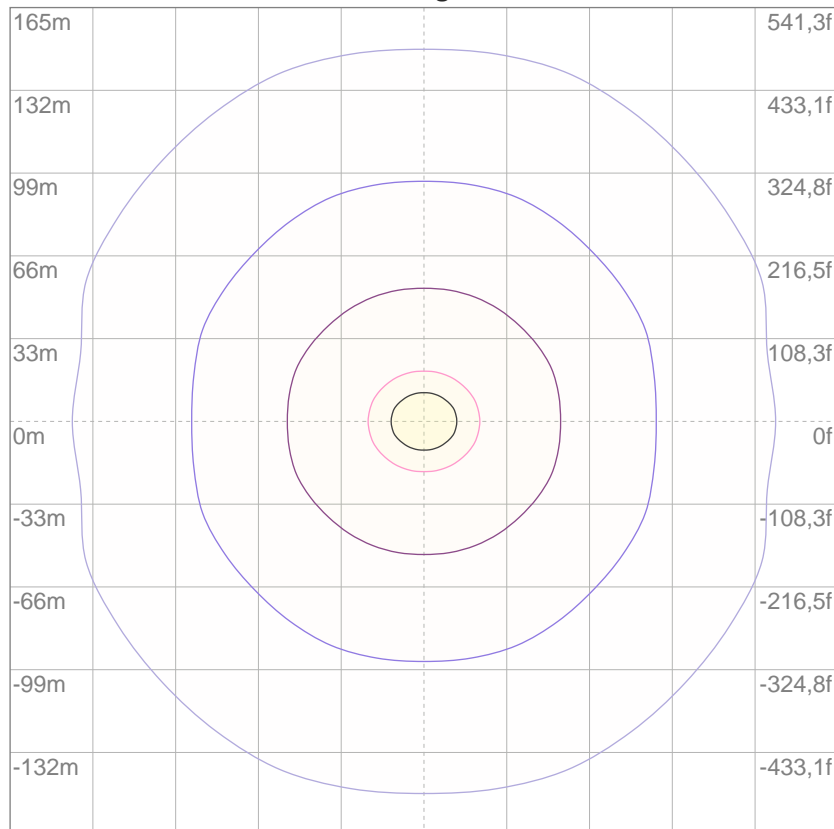
10%	343 cd
20%	686 cd
30%	1030 cd
40%	1373 cd
50%	1716 cd
60%	2059 cd
70%	2403 cd
80%	2746 cd
90%	3089 cd

Conditions:

Number of c-planes: 16

Candela at center: 3432 cd

iso-lux diagram



3%	1,03 lx
5%	1,72 lx
10%	3,43 lx
30%	10,3 lx
50%	17,2 lx

Conditions:

Number of c-planes: 16

Lux at center: 34,3 lx

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

Potência

Vttagem: 241 V
Corrente: 0,405 A
Frequência: 0 Hz
FP: 0,57

THD



THD corrente: n/a
THD tensão: n/a