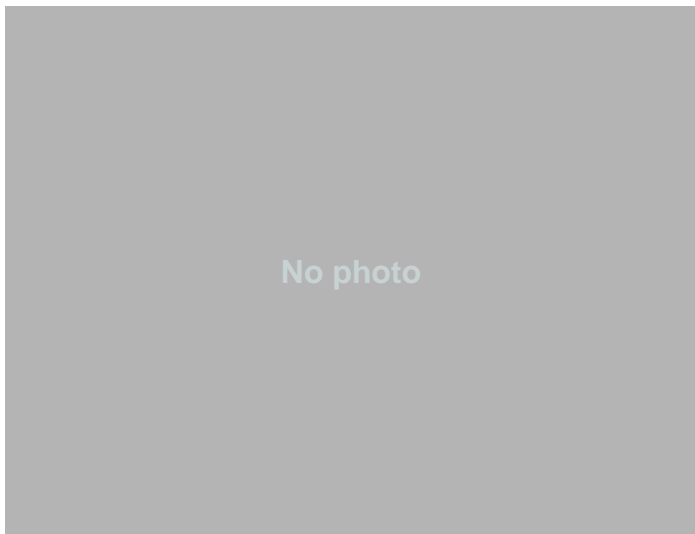


FITA SLED5205 IP65 14,4WM 3000K 80 - 1m



Teste fotometria- FITA DE LED

Fluxo luminoso – 1476 lm/m

Potência – 14,4 W/m

Intensidade pico – 486cd

CCT – 3107K

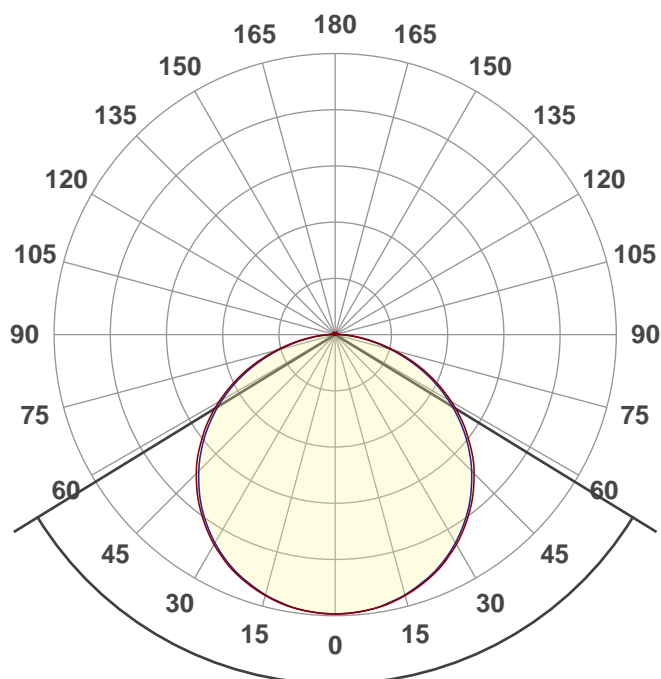


IRC – 83,5

Coordenada CIE 1931 – x- 0,427 y- 0,396

Data do ensaio

11/08/2022 13:49:13



Facho de abertura

116,9°

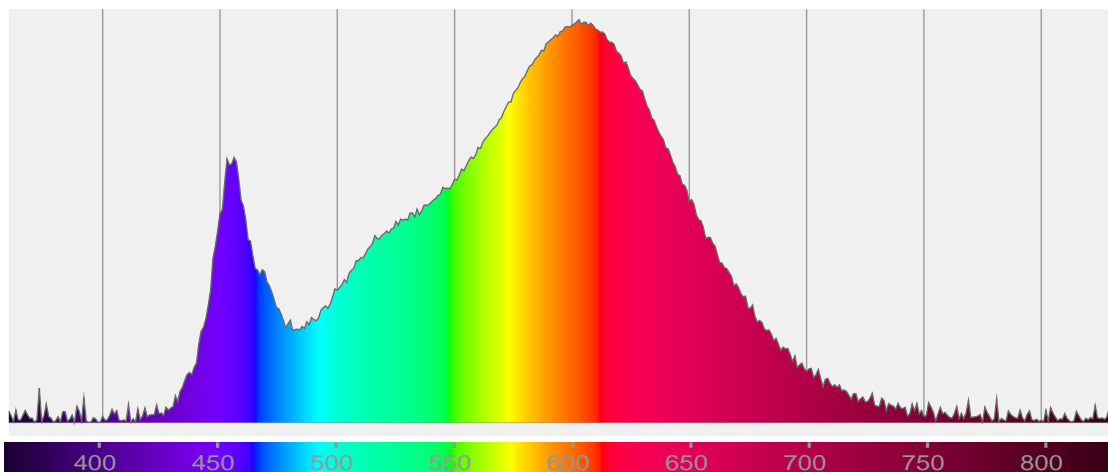
Rf 84,6

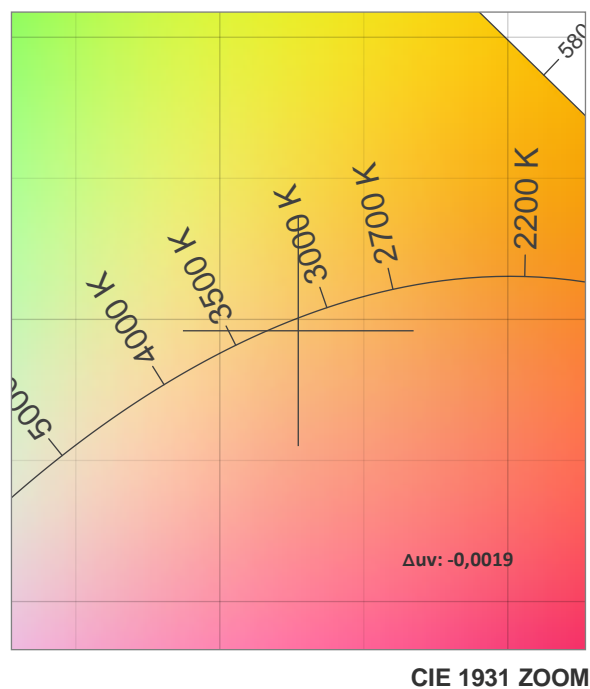
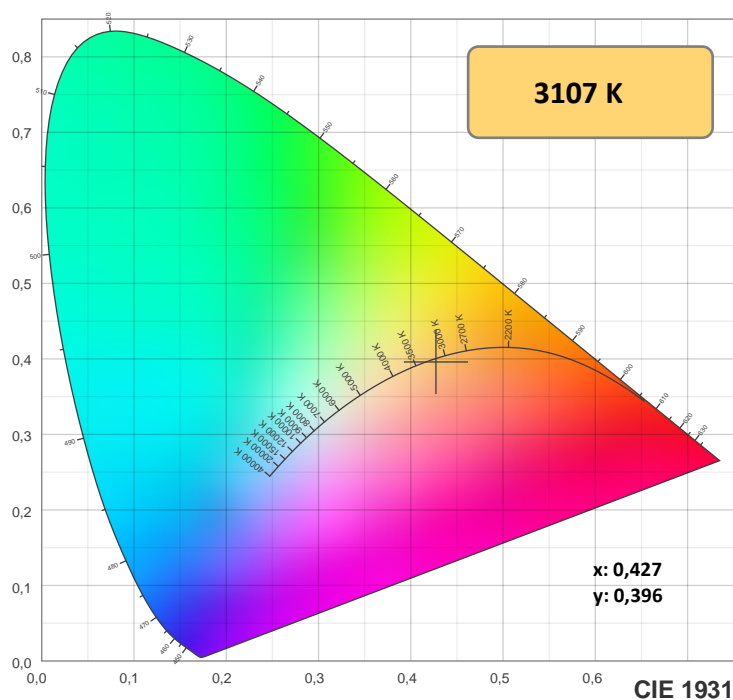
Fidelity index Rf

Rg 95,0

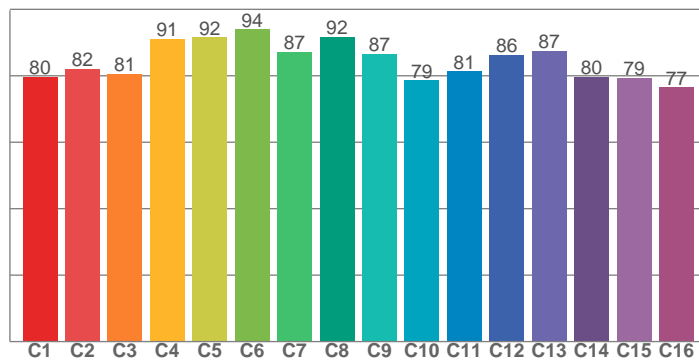
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	82	-8%	7%
3	81	-3%	10%
4	91	-1%	4%
5	92	-2%	2%
6	94	0%	-2%
7	87	-7%	-3%
8	92	-5%	1%
9	87	-5%	7%
10	79	-3%	12%
11	81	2%	13%
12	86	8%	0%
13	87	4%	-8%
14	80	4%	-16%
15	79	-4%	-12%
16	77	-8%	-16%

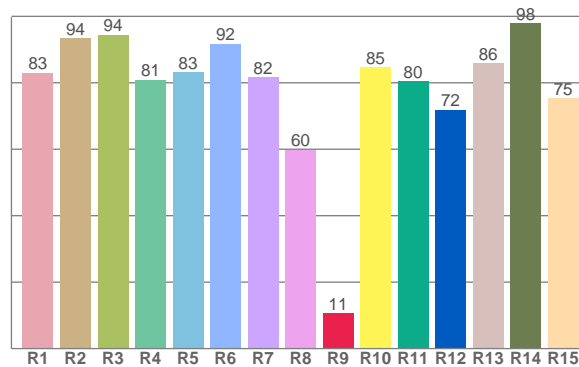




TM-30: 84,6



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,0	93,5	94,5	80,9	83,2	91,7	81,7	59,9	10,6	84,7	80,4	71,9	85,9	97,9	75,3

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
79,7	82,0	80,6	91,1	91,6	93,9	87,2	91,8	86,6	78,6	81,3	86,2	87,4	79,7	79,4	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
3107 K	83,5	10,6	84,6	95,0	82,3	0,427	0,396	0,248	0,344	-0,0019

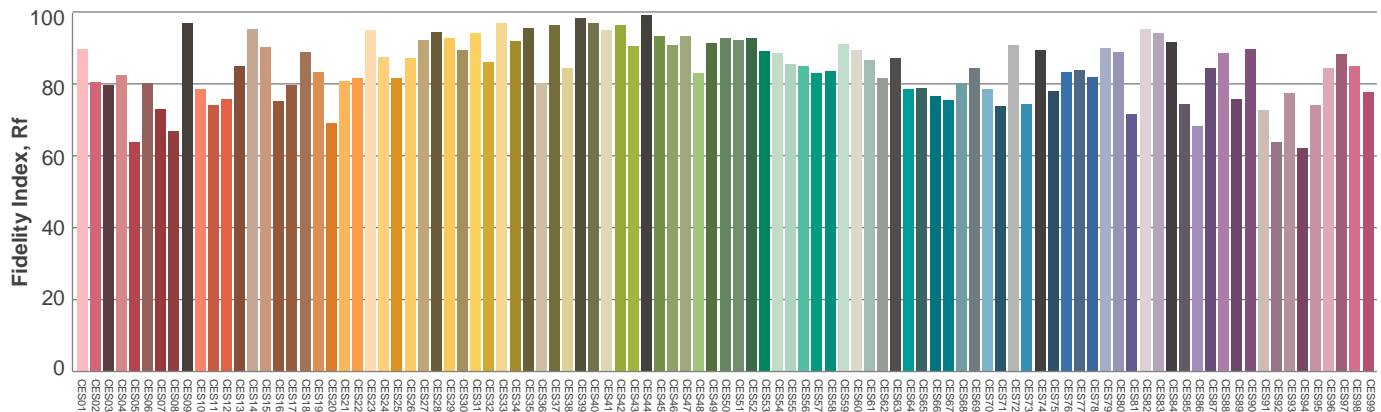
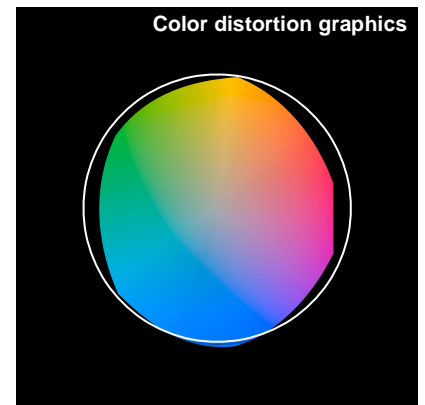
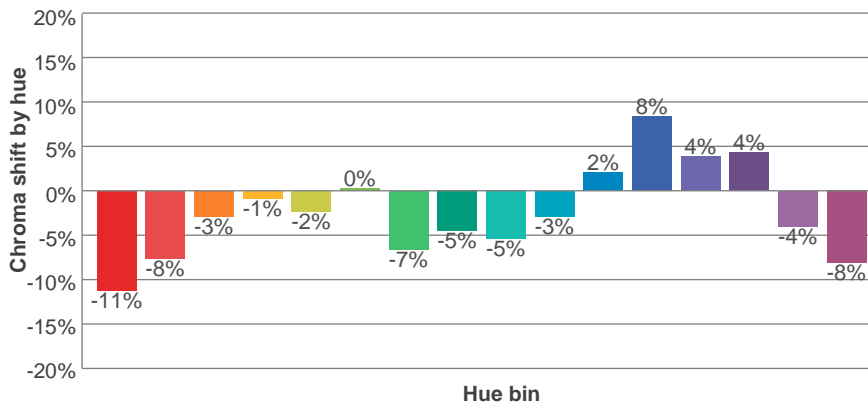
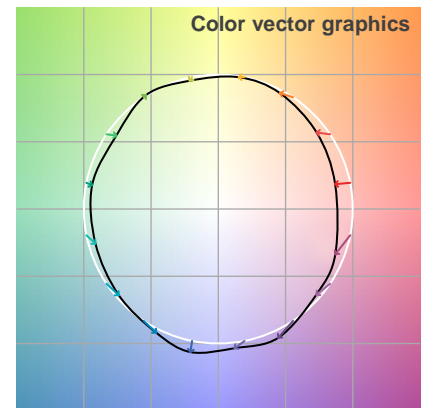
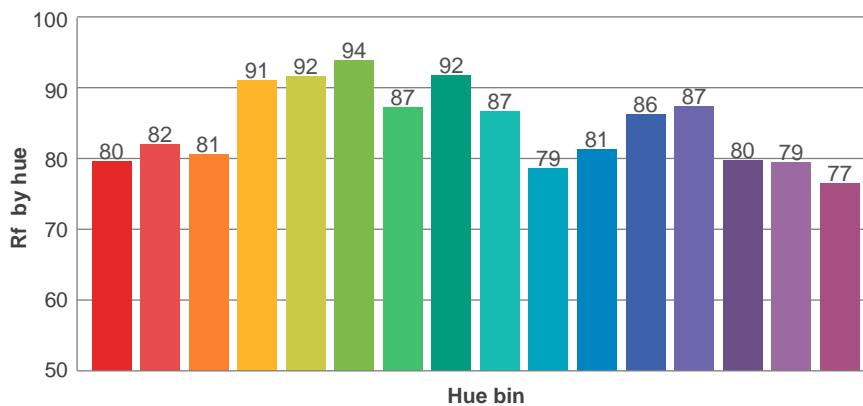
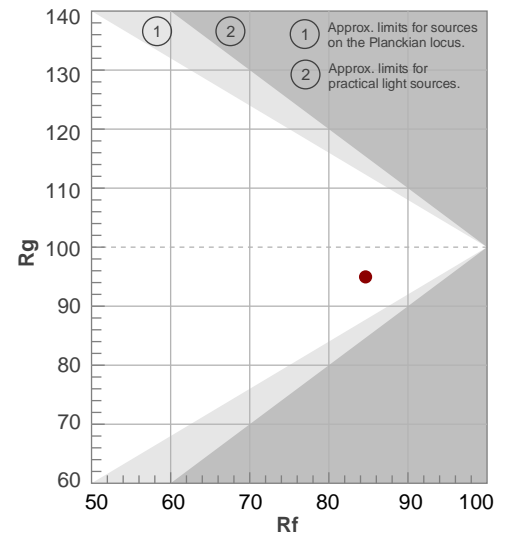
Rf 84,6

Fidelity index Rf

Rg 95,0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	82	-8%	7%
3	81	-3%	10%
4	91	-1%	4%
5	92	-2%	2%
6	94	0%	-2%
7	87	-7%	-3%
8	92	-5%	1%
9	87	-5%	7%
10	79	-3%	12%
11	81	2%	13%
12	86	8%	0%
13	87	4%	-8%
14	80	4%	-16%
15	79	-4%	-12%
16	77	-8%	-16%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

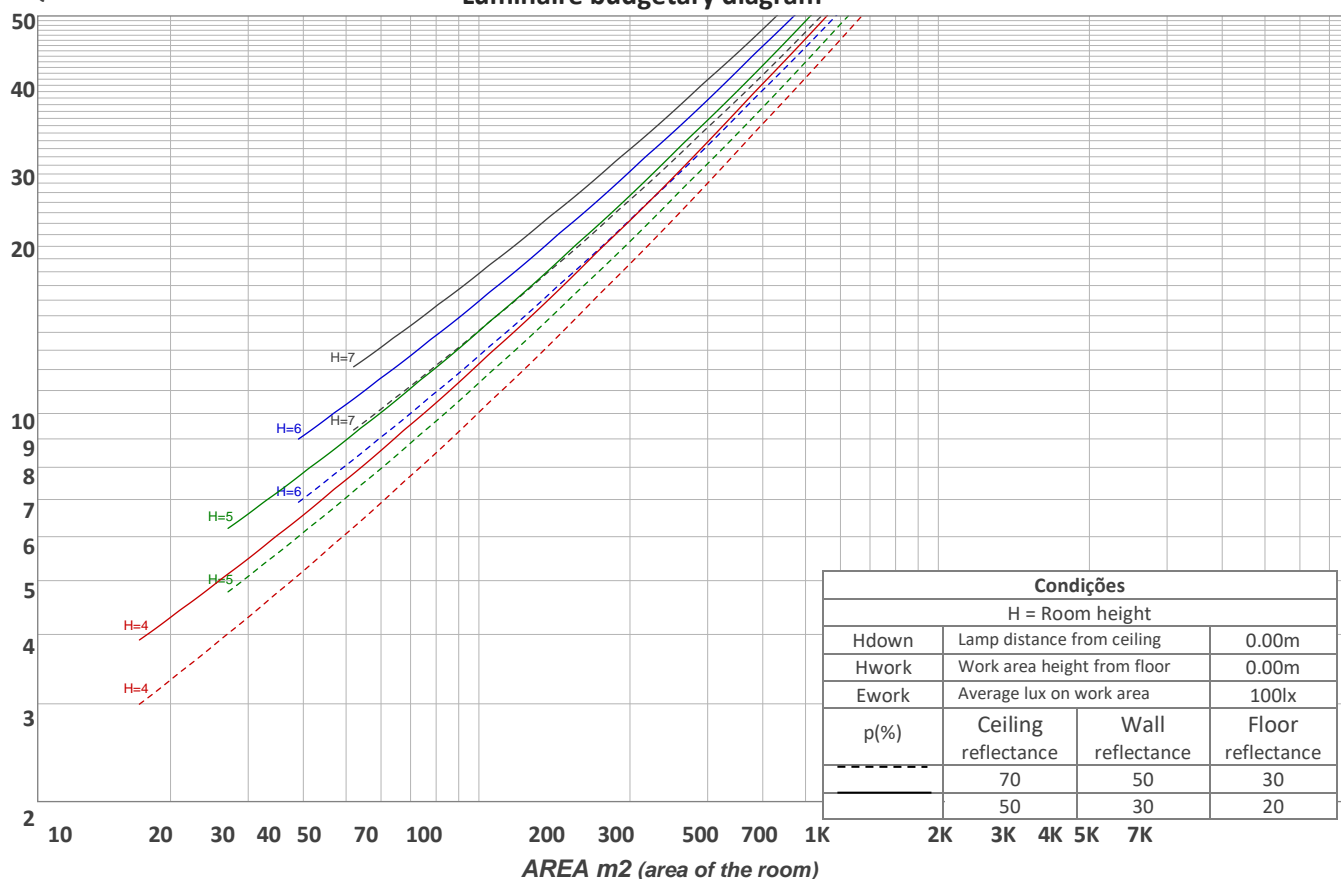
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	34,1	35,3	34,3	35,6	35,9	33,9	35,2	34,2	35,5	35,7
	3H	35,6	36,9	36,0	37,2	37,4	35,5	36,7	35,9	37,0	37,3
	4H	36,3	37,5	36,7	37,8	38,1	36,1	37,3	36,5	37,6	37,9
	6H	36,9	38,0	37,2	38,3	38,6	36,7	37,7	37,0	38,0	38,4
	8H	37,1	38,1	37,4	38,4	38,9	36,8	37,9	37,2	38,2	38,6
	12H	37,2	38,2	37,6	38,5	39,0	36,9	37,9	37,3	38,3	38,8
4H	2H	34,7	35,9	35,1	36,2	36,5	34,6	35,8	35,0	36,1	36,4
	3H	36,6	37,6	36,9	37,9	38,4	36,4	37,4	36,8	37,8	38,3
	4H	37,3	38,2	37,7	38,7	39,2	37,1	38,1	37,6	38,5	39,1
	6H	37,9	38,8	38,4	39,2	39,6	37,7	38,6	38,2	39,0	39,4
	8H	38,2	39,0	38,7	39,4	39,8	37,9	38,8	38,5	39,1	39,5
	12H	38,3	39,0	38,9	39,5	40,0	38,1	38,8	38,6	39,2	39,7
8H	4H	37,6	38,4	38,1	38,8	39,2	37,4	38,3	38,0	38,6	39,0
	6H	38,4	39,0	38,9	39,5	40,1	38,2	38,8	38,7	39,3	39,9
	8H	38,8	39,3	39,3	39,8	40,5	38,6	39,1	39,1	39,6	40,3
	12H	39,0	39,5	39,6	40,0	40,6	38,8	39,3	39,4	39,8	40,4
12H	4H	37,6	38,3	38,1	38,7	39,2	37,5	38,2	38,0	38,6	39,1
	6H	38,5	39,0	39,0	39,6	40,2	38,3	38,9	38,8	39,4	40,1
	8H	38,9	39,3	39,5	39,9	40,5	38,7	39,1	39,3	39,7	40,3
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					0,4 / -0,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1476 lm total luminous flux											

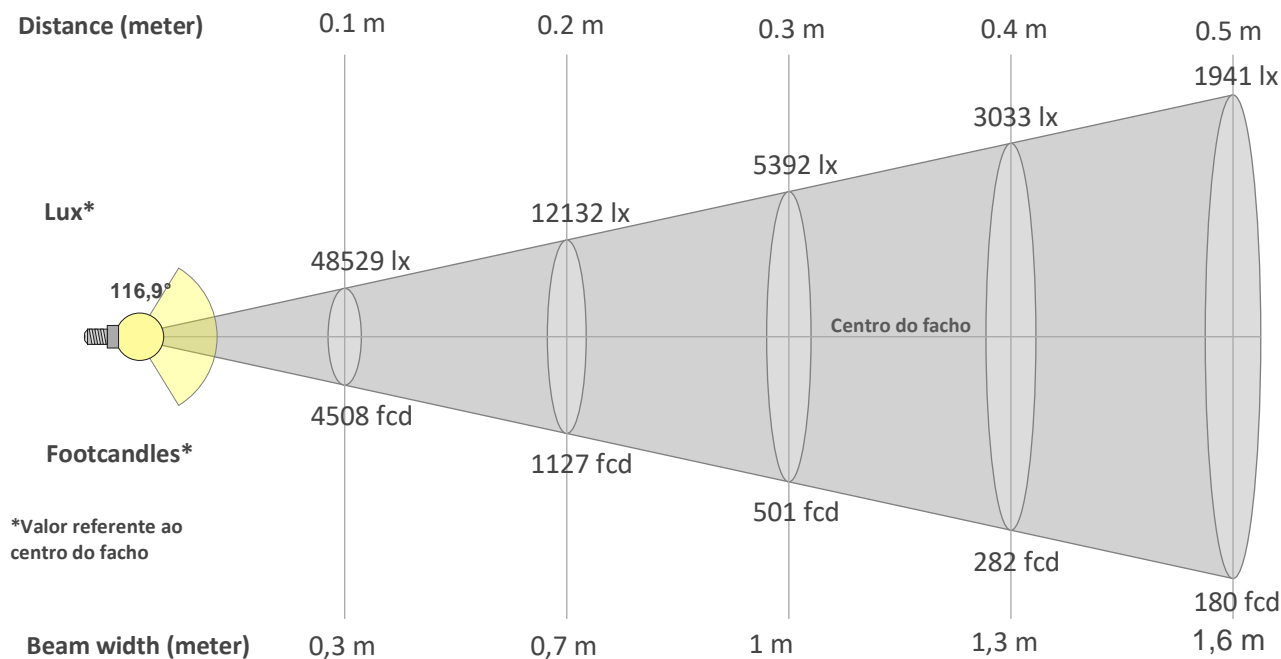
Coeficiente de utilização

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	99	95	105	101	97	93	96	93	90	92	89	87	88	86	84	82
2	98	90	82	77	95	88	81	76	84	78	74	80	76	72	77	73	70	68
3	89	78	70	63	87	77	69	63	74	67	61	71	65	60	68	63	59	57
4	81	69	60	53	79	68	59	53	65	58	52	63	56	51	60	55	50	48
5	75	62	53	46	73	61	52	45	58	51	45	56	49	44	54	48	44	42
6	69	55	46	40	67	54	46	40	53	45	39	51	44	39	49	43	38	36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	45	39	34	32
8	59	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30	28
9	56	42	34	28	54	41	33	28	40	33	28	39	32	27	38	32	27	25
10	52	39	31	25	51	38	30	25	37	30	25	36	30	25	35	29	25	23

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
485lx	121lx	54lx	30lx	19lx	13lx	10lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx
45,1fcd	11,3fcd	5fcd	2,8fcd	1,8fcd	1,3fcd	0,9fcd	0,7fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
485	483	478	469	457	441	421	397	371	341	308	272	233	192	149	106	66	31	6	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	48%	40%	31%	22%	14%	6%	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°
485	483	477	468	454	438	417	393	366	335	301	265	226	185	143	100	61	30	11	3
100%	100%	98%	96%	94%	90%	86%	81%	75%	69%	62%	55%	47%	38%	29%	21%	13%	6%	2%	1%

Intensities in 180° c-plane

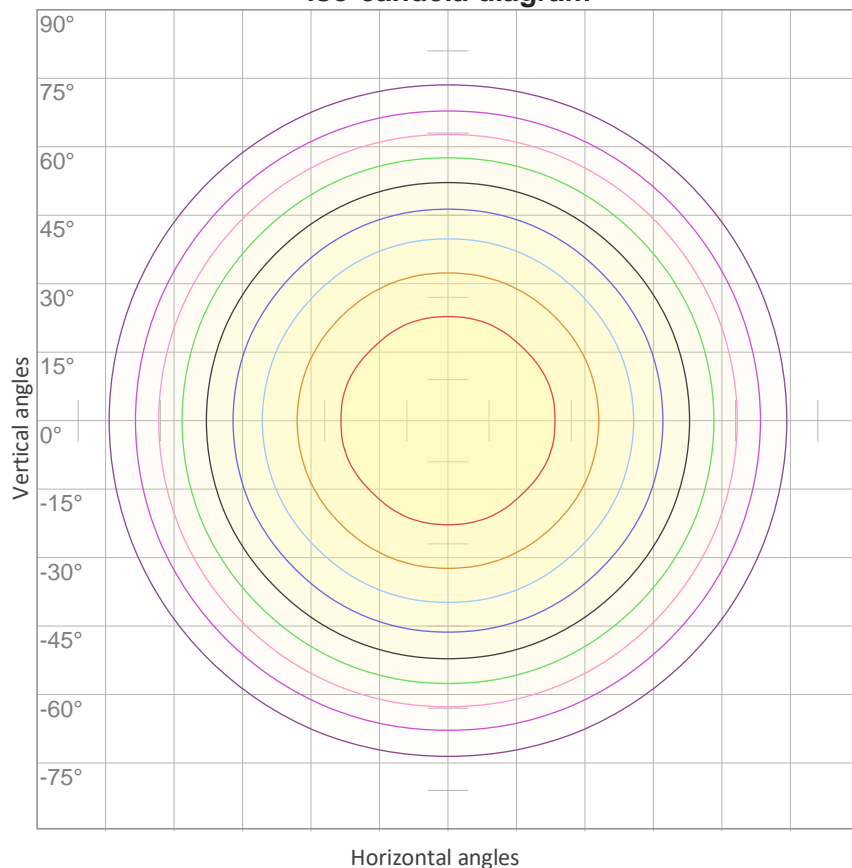
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
485	483	478	469	457	441	421	397	371	341	308	272	233	192	149	106	66	31	6	2
100%	100%	99%	97%	94%	91%	87%	82%	76%	70%	63%	56%	48%	40%	31%	22%	14%	6%	1%	0%

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°
485	483	477	468	454	438	417	393	366	335	301	265	226	185	143	100	61	30	11	3
100%	100%	98%	96%	94%	90%	86%	81%	75%	69%	62%	55%	47%	38%	29%	21%	13%	6%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
116,9°	164,5°	179,4°	76,5%	51,4%

iso-candela diagram



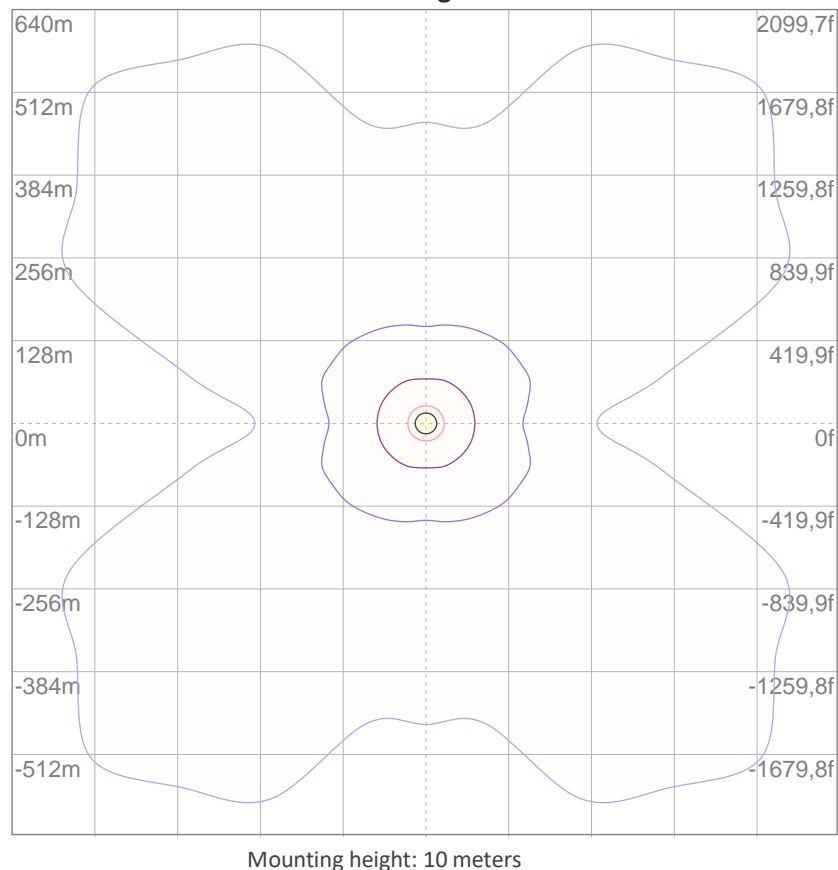
10%	49 cd
20%	97 cd
30%	146 cd
40%	194 cd
50%	243 cd
60%	291 cd
70%	340 cd
80%	388 cd
90%	437 cd

Conditions:

Number of c-planes: 16

Candela at center: 485 cd

iso-lux diagram



3%	0,146 lx
5%	0,243 lx
10%	0,485 lx
30%	1,46 lx
50%	2,43 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,85 lx

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

Potência

Vttagem: 12,0 V

Corrente: 1,20 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a