

SLED 9165H EX12 10W IP67 4000K 24V 90 1m



Perfil flexível

Fluxo luminoso – 576 lm/m

Potência – 8,6 W/m

Intensidade pico – 208cd

CCT – 4166K



IRC – 92,7

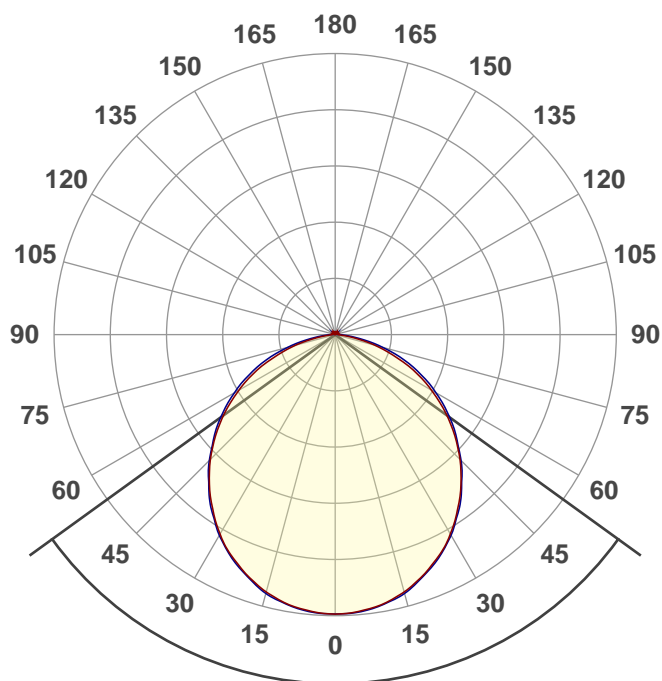
Coordenada CIE 1931 – x- 0,374 y- 0,376

24V

IP67

Data do ensaio

05/05/2022 10:37:30



Facho de abertura

108,3°

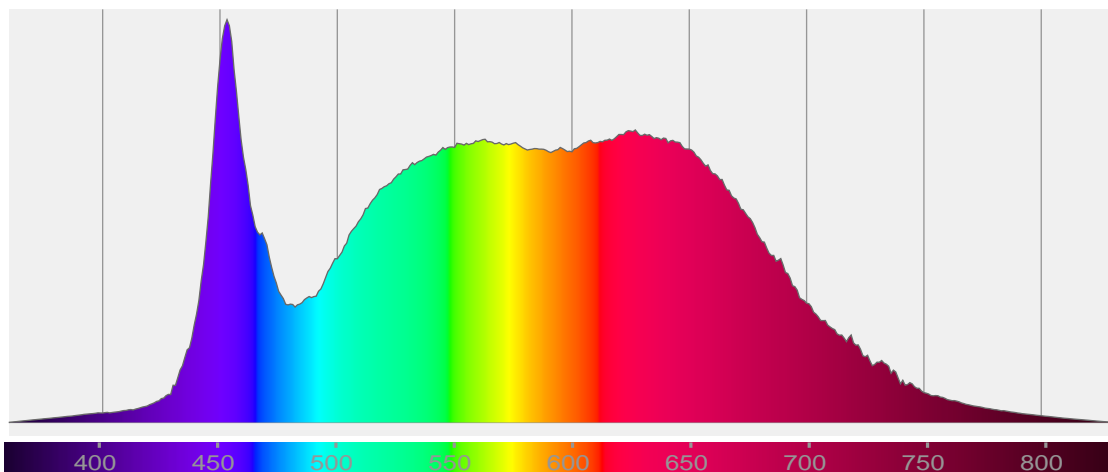
Rf 90,0

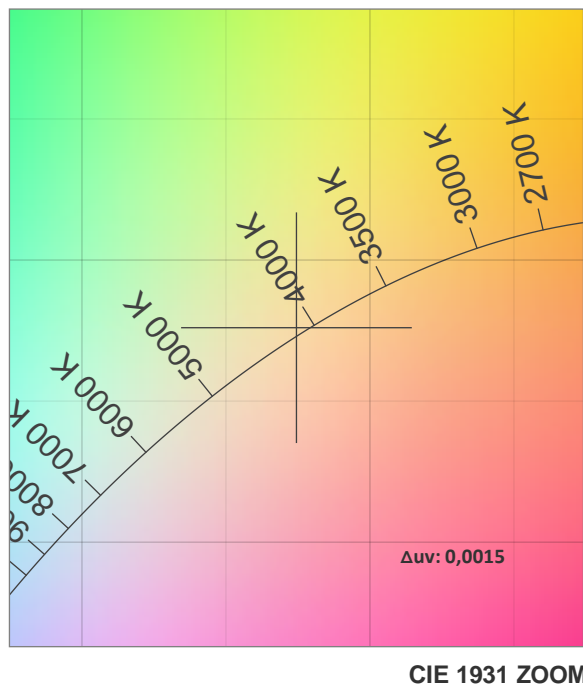
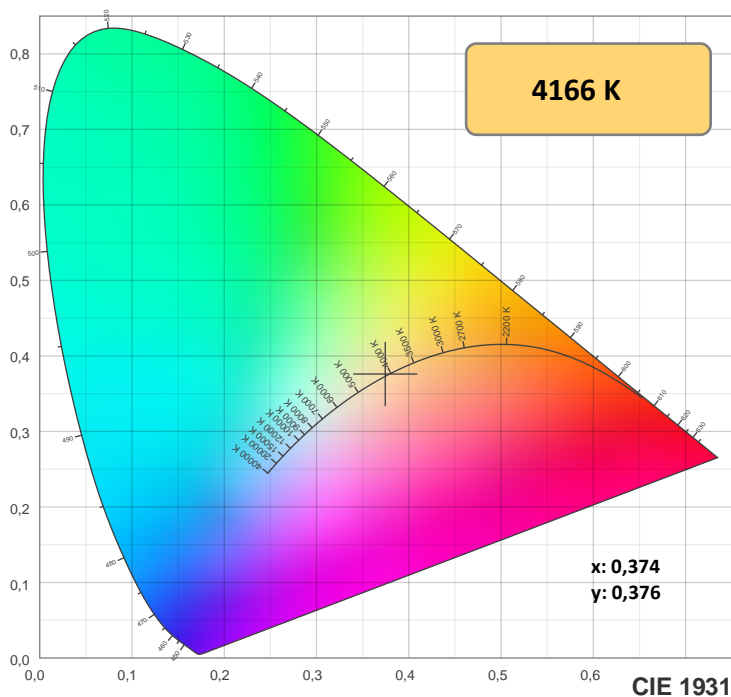
Fidelity index Rf

Rg 99,0

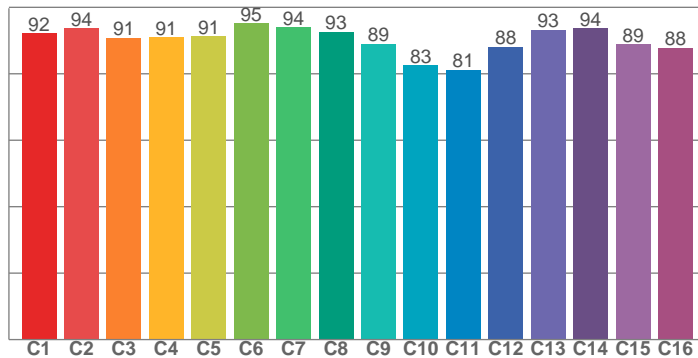
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-3%	0%
2	94	-3%	1%
3	91	-2%	4%
4	91	-2%	3%
5	91	-2%	2%
6	95	0%	0%
7	94	-3%	0%
8	93	-4%	1%
9	89	-4%	7%
10	83	-3%	11%
11	81	3%	13%
12	88	4%	6%
13	93	6%	0%
14	94	3%	-1%
15	89	3%	-6%
16	88	1%	-7%

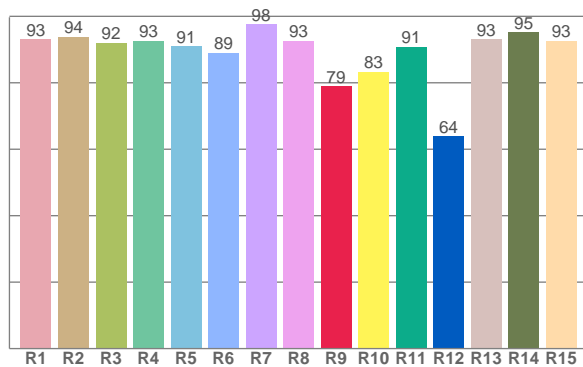




TM-30: 90,0



CRI: 92,7 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
93,0	93,8	92,0	92,6	90,9	89,1	97,6	92,7	79,0	83,3	90,9	64,0	93,1	95,1	92,6

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
92,2	93,7	90,7	91,0	91,3	95,2	94,0	92,5	89,0	82,5	81,1	88,0	93,2	93,7	88,8	87,9

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
4166 K	92,7	79,0	90,0	99,0	90,9	0,374	0,376	0,221	0,334	0,0015

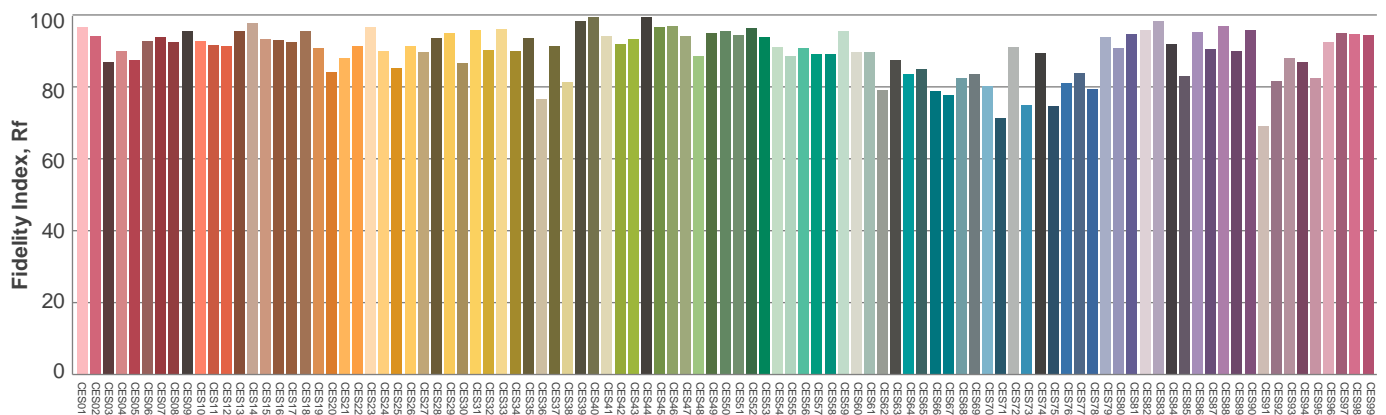
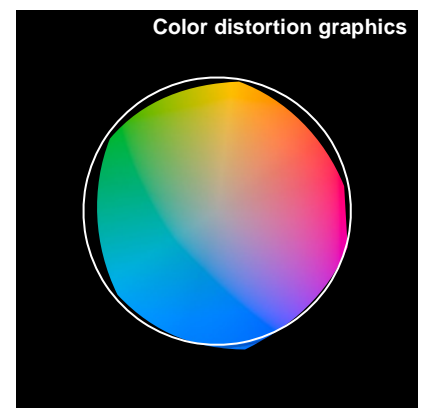
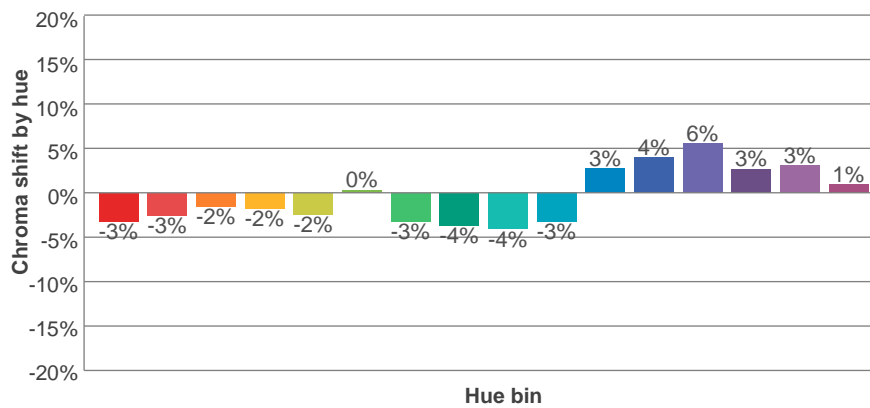
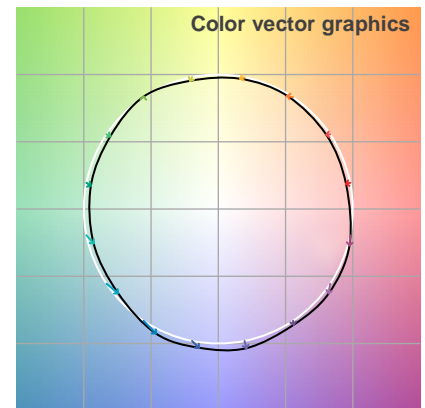
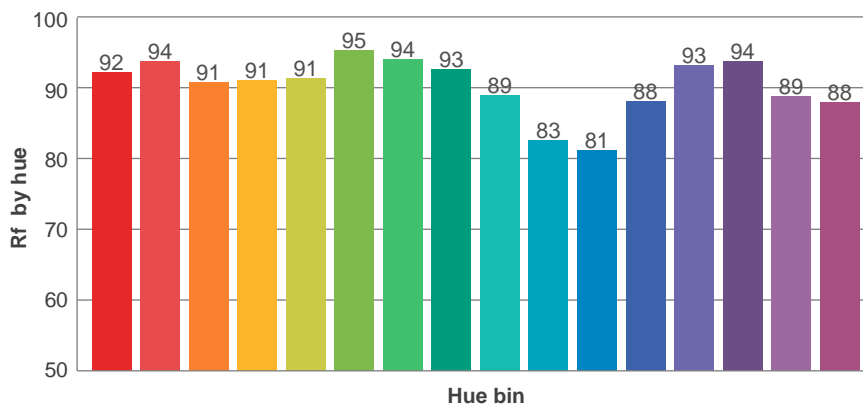
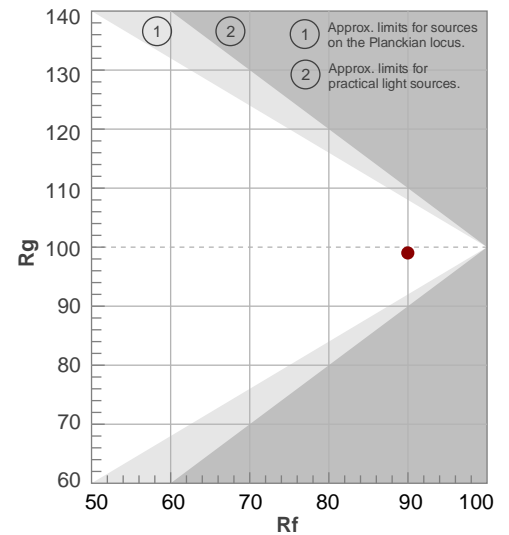
Rf 90,0

Fidelity index Rf

Rg 99,0

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	92	-3%	0%
2	94	-3%	1%
3	91	-2%	4%
4	91	-2%	3%
5	91	-2%	2%
6	95	0%	0%
7	94	-3%	0%
8	93	-4%	1%
9	89	-4%	7%
10	83	-3%	11%
11	81	3%	13%
12	88	4%	6%
13	93	6%	0%
14	94	3%	-1%
15	89	3%	-6%
16	88	1%	-7%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

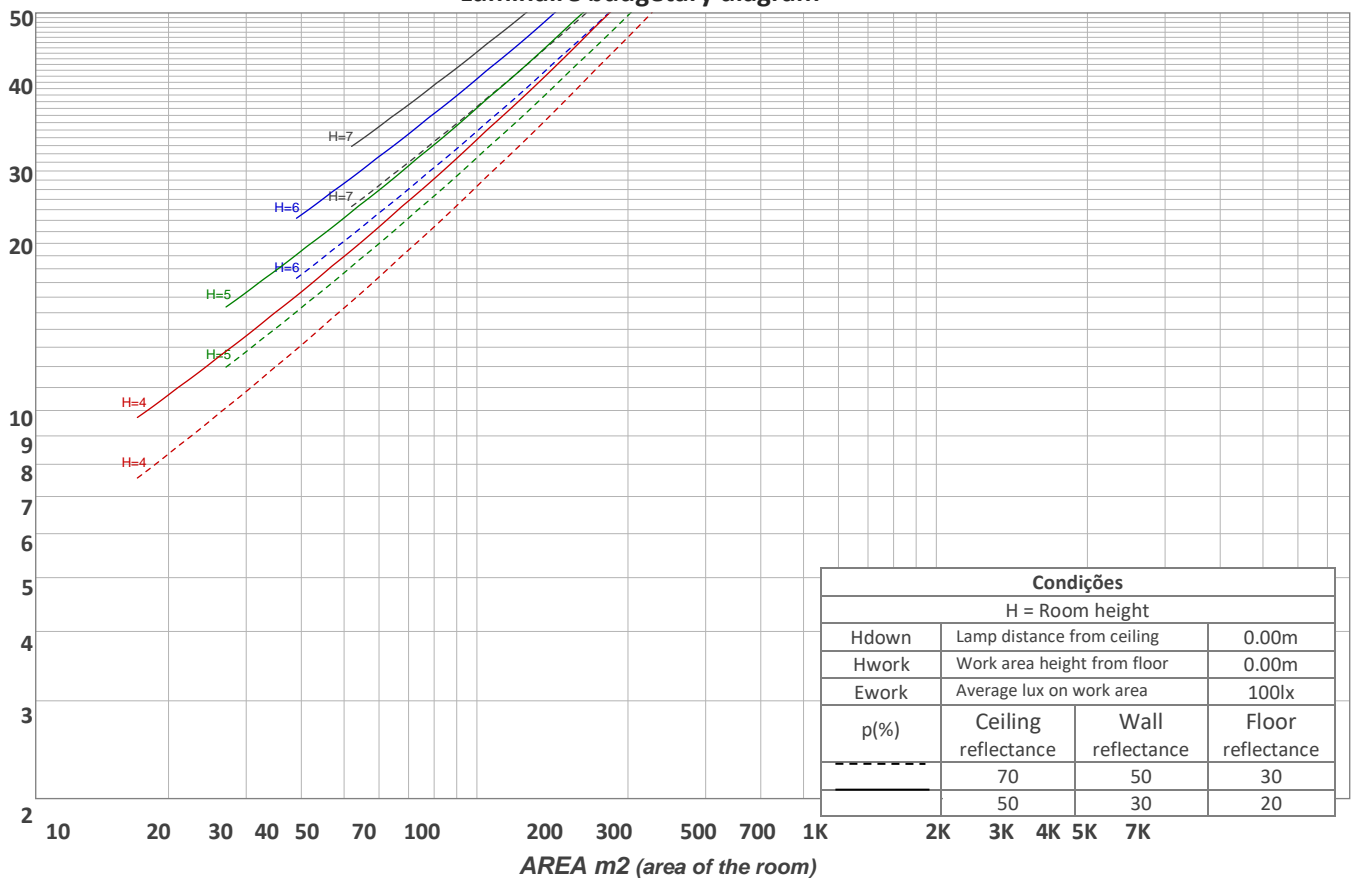
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	21,8	23,0	22,0	23,3	23,5	21,9	23,1	22,2	23,4	23,7
	3H	23,1	24,3	23,5	24,6	24,8	23,4	24,6	23,8	24,9	25,1
	4H	23,5	24,7	24,0	25,0	25,3	24,0	25,1	24,4	25,4	25,7
	6H	23,9	24,9	24,2	25,2	25,6	24,5	25,5	24,8	25,8	26,2
	8H	23,9	24,9	24,3	25,3	25,7	24,6	25,6	24,9	25,9	26,3
	12H	23,9	24,9	24,3	25,2	25,7	24,6	25,6	25,0	25,9	26,4
4H	2H	22,4	23,5	22,8	23,8	24,1	22,5	23,6	22,9	23,9	24,2
	3H	24,0	24,9	24,4	25,3	25,8	24,2	25,2	24,6	25,6	26,1
	4H	24,5	25,4	25,0	25,8	26,4	24,9	25,8	25,4	26,2	26,8
	6H	24,9	25,7	25,4	26,1	26,5	25,4	26,3	25,9	26,6	27,0
	8H	24,9	25,7	25,5	26,1	26,5	25,6	26,3	26,1	26,7	27,2
	12H	25,0	25,6	25,5	26,1	26,6	25,7	26,3	26,2	26,8	27,3
8H	4H	24,8	25,5	25,3	25,9	26,3	25,1	25,9	25,7	26,3	26,7
	6H	25,3	25,9	25,8	26,4	26,9	25,8	26,4	26,3	26,9	27,4
	8H	25,4	26,0	26,0	26,5	27,2	26,0	26,5	26,6	27,1	27,8
	12H	25,5	25,9	26,1	26,5	27,1	26,2	26,6	26,8	27,2	27,8
12H	4H	24,8	25,4	25,3	25,9	26,4	25,1	25,8	25,6	26,2	26,7
	6H	25,3	25,9	25,9	26,4	27,1	25,8	26,3	26,4	26,9	27,6
	8H	25,5	25,9	26,1	26,5	27,1	26,1	26,5	26,7	27,1	27,7
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 / -0,3					0,1 / -0,3				
S = 2.0H		0,5 / -0,7					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 576 lm total luminous flux											

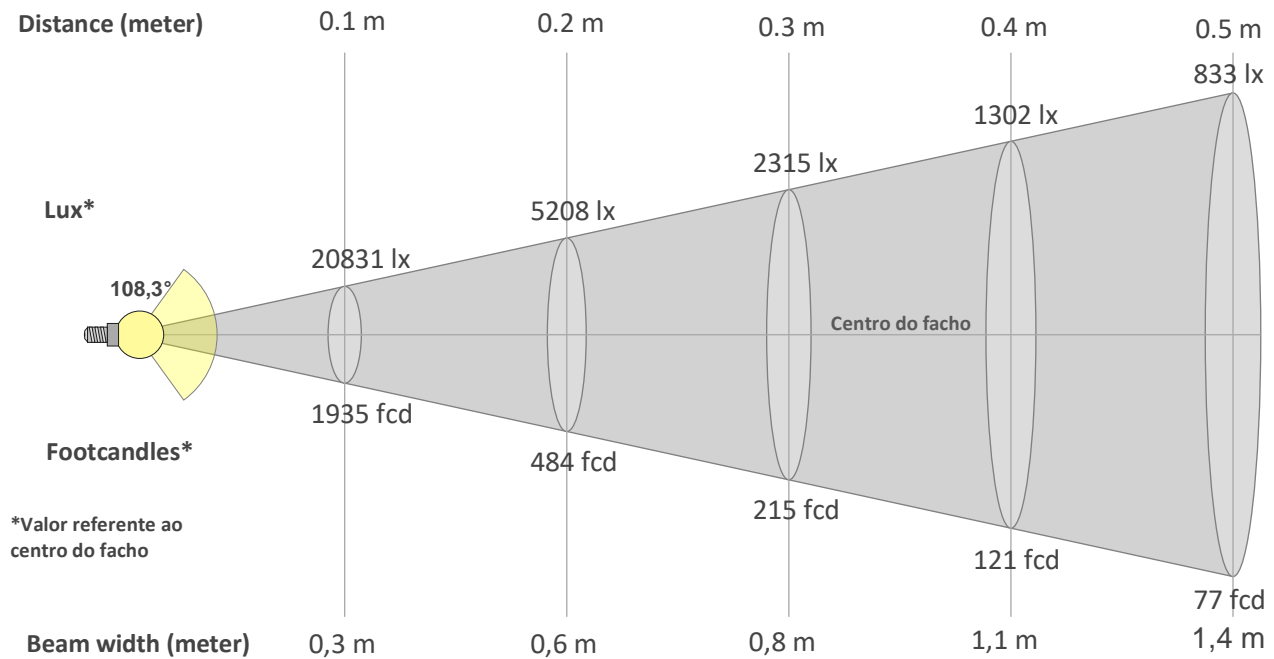
Coeficiente de utilização

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	110	110	110	105	105	105	100	100	100	98
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	82	77	85	80	75	81	77	73	78	74	71	69
3	90	80	72	65	87	78	71	64	75	68	63	72	66	62	69	64	60	58
4	83	71	62	55	80	69	61	55	66	59	54	64	58	53	62	56	52	50
5	76	63	54	48	74	62	54	47	60	52	47	57	51	46	55	50	45	43
6	70	57	48	42	68	56	47	41	54	46	41	52	45	40	50	44	40	38
7	65	52	43	37	63	51	42	37	49	42	36	47	41	36	46	40	35	33
8	61	47	39	33	59	46	38	33	45	38	32	43	37	32	42	36	32	30
9	57	43	35	30	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	37	31	26	36	30	26	24

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
208lx	52lx	23lx	13lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
19,4fcd	4,8fcd	2,2fcd	1,2fcd	0,8fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd

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°
208	207	204	199	191	182	172	159	146	132	116	100	83	66	47	31	15	5	2	2
100%	99%	98%	95%	92%	88%	82%	76%	70%	63%	56%	48%	40%	32%	23%	15%	7%	2%	1%	1%

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°
208	208	204	200	192	183	173	160	147	133	118	103	87	71	54	37	21	9	3	2
100%	100%	98%	96%	92%	88%	83%	77%	70%	64%	57%	49%	42%	34%	26%	18%	10%	4%	2%	1%

Intensities in 180° c-plane

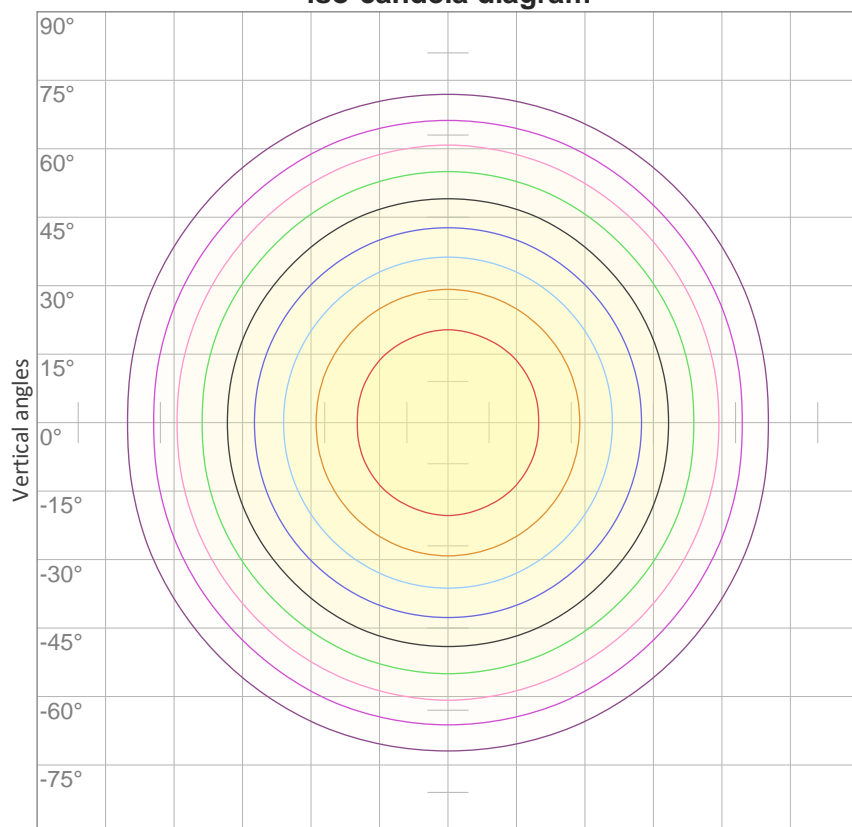
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
208	207	204	199	191	182	172	159	146	132	116	100	83	66	47	31	15	5	2	2
100%	99%	98%	95%	92%	88%	82%	76%	70%	63%	56%	48%	40%	32%	23%	15%	7%	2%	1%	1%

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°
208	208	204	200	192	183	173	160	147	133	118	103	87	71	54	37	21	9	3	2
100%	100%	98%	96%	92%	88%	83%	77%	70%	64%	57%	49%	42%	34%	26%	18%	10%	4%	2%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
108,3°	158,8°	173,1°	78,5%	54,1%

iso-candela diagram



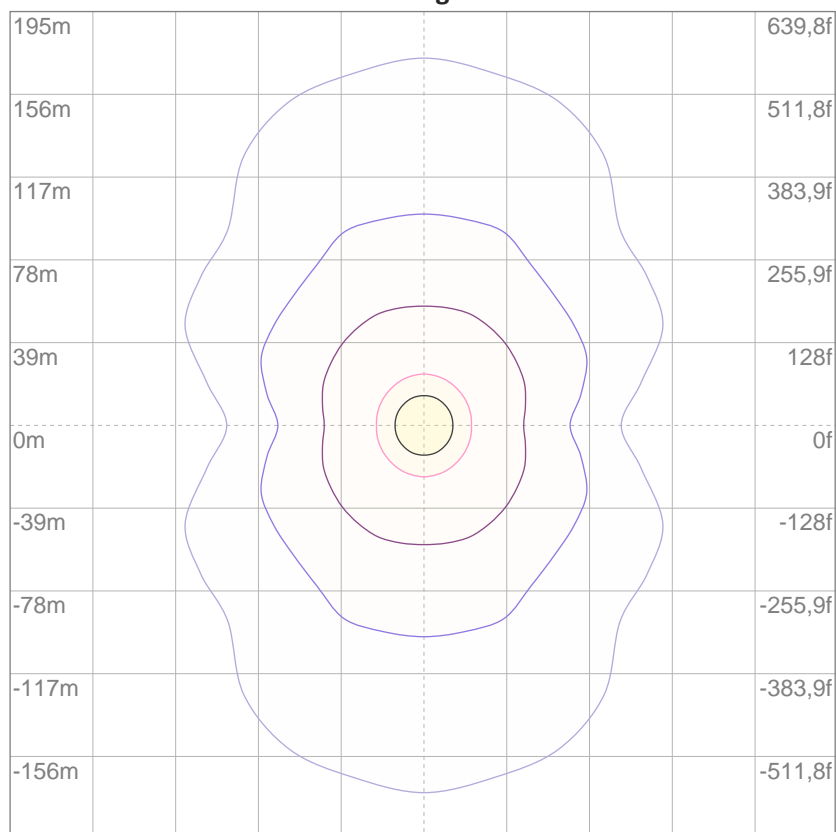
10%	21 cd
20%	42 cd
30%	62 cd
40%	83 cd
50%	104 cd
60%	125 cd
70%	146 cd
80%	167 cd
90%	187 cd

Conditions:

Number of c-planes: 16

Candela at center: 208 cd

iso-lux diagram



3%	62,5m lx
5%	0,104 lx
10%	0,208 lx
30%	0,625 lx
50%	1,04 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,08 lx

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

Potência

Vttagem: 24,0 V

Corrente: 0,360 A

Frequência: 0 Hz

FP: 0,99

THD



THD corrente: n/a

THD tensão: n/a