

## P50 SLED9017 BRANCA BARRA 18WM 4000K 90 - 1m



Luminária linear pendente com iluminação difusa.  
Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 904 lm/m

Potência – 18,7 W/m

Intensidade pico – 355cd

CCT – 4079K



IRC – 93,4

Coordenada CIE 1931 – x- 0,377 y- 0,373

A x L - 50x50

Peso - 1,1kg/m

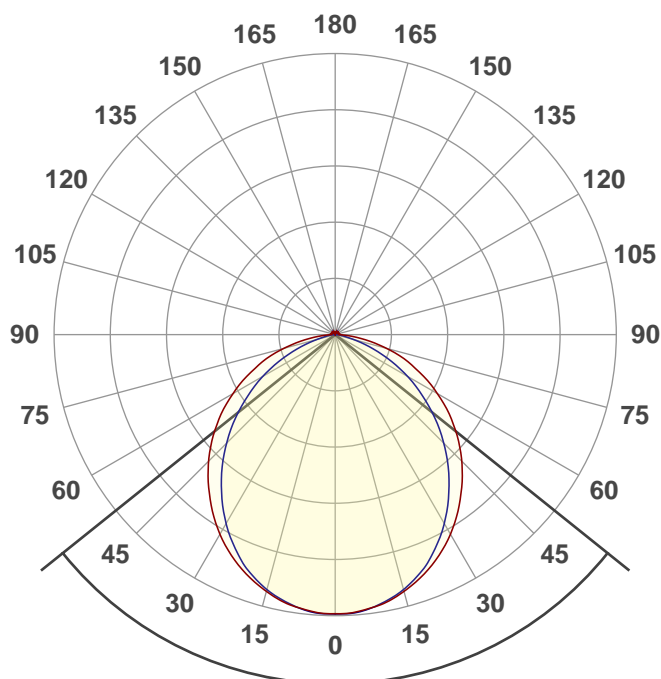
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

22/01/2021 09:47:47



Facho de abertura

**102,5°**

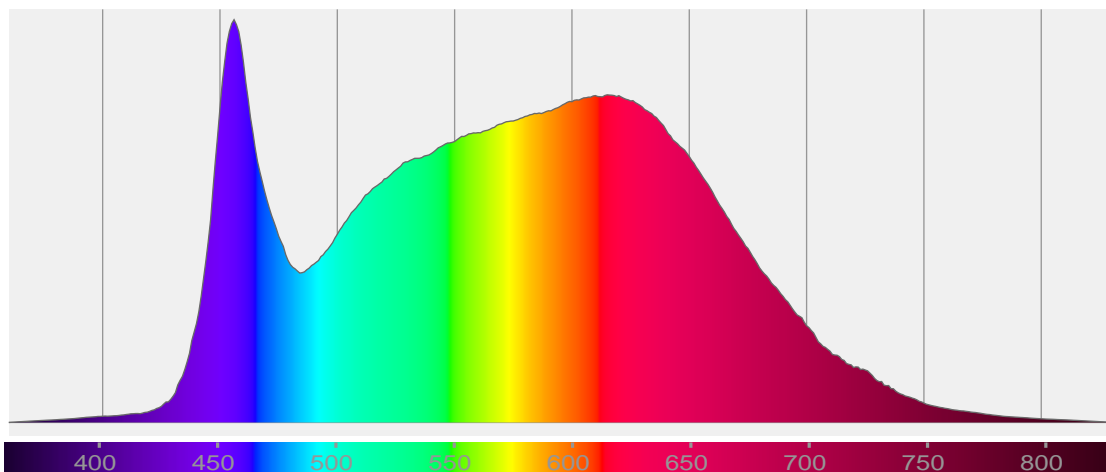
**Rf 89,0**

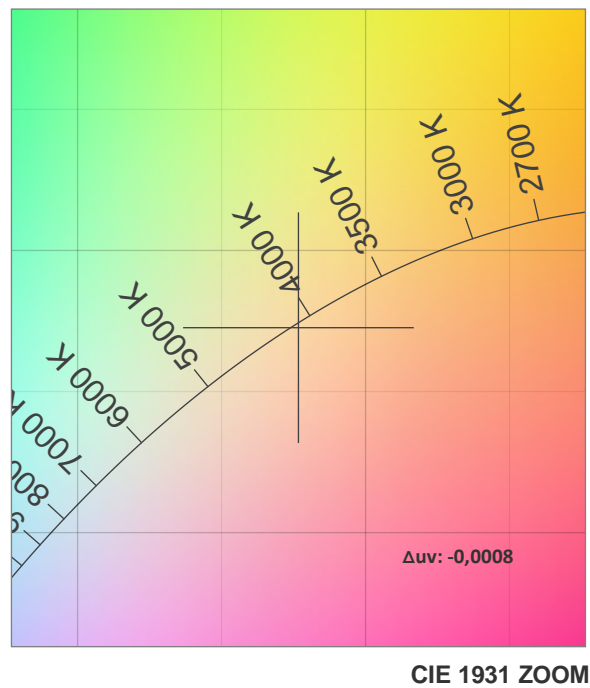
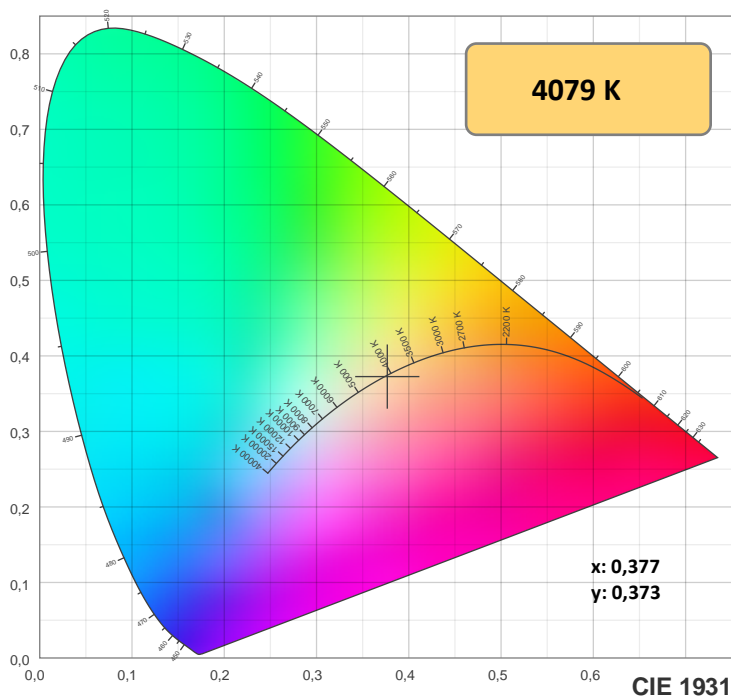
Fidelity index Rf

**Rg 96,8**

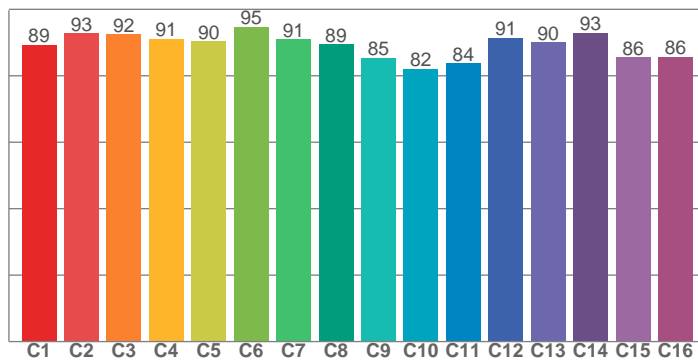
Gamut index Rg

		Shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	89	-5%	1%
2	93	-2%	2%
3	92	-2%	3%
4	91	-3%	0%
5	90	-6%	0%
6	95	-3%	0%
7	91	-6%	2%
8	89	-4%	5%
9	85	-3%	11%
10	82	-1%	11%
11	84	5%	10%
12	91	4%	1%
13	90	4%	-6%
14	93	0%	-3%
15	86	0%	-8%
16	86	-2%	-7%

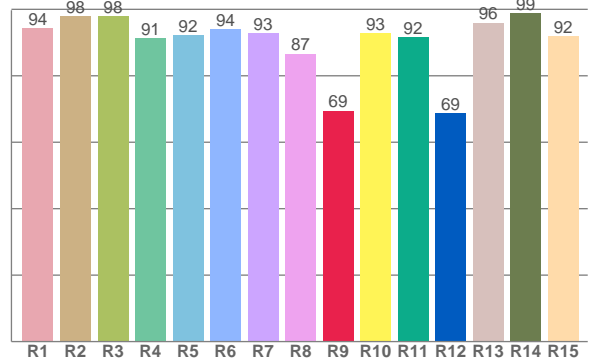




TM-30: 89,0



CRI: 93,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,3	97,9	97,8	91,3	92,3	94,0	92,9	86,6	69,5	92,8	91,7	68,7	96,0	98,8	91,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,3	92,7	92,4	91,2	90,3	94,7	90,9	89,5	85,4	82,1	83,8	91,4	90,0	92,8	85,5	85,8

## 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
4079 K	93,4	69,5	89,0	96,8	90,9	0,377	0,373	0,224	0,333	-0,0008

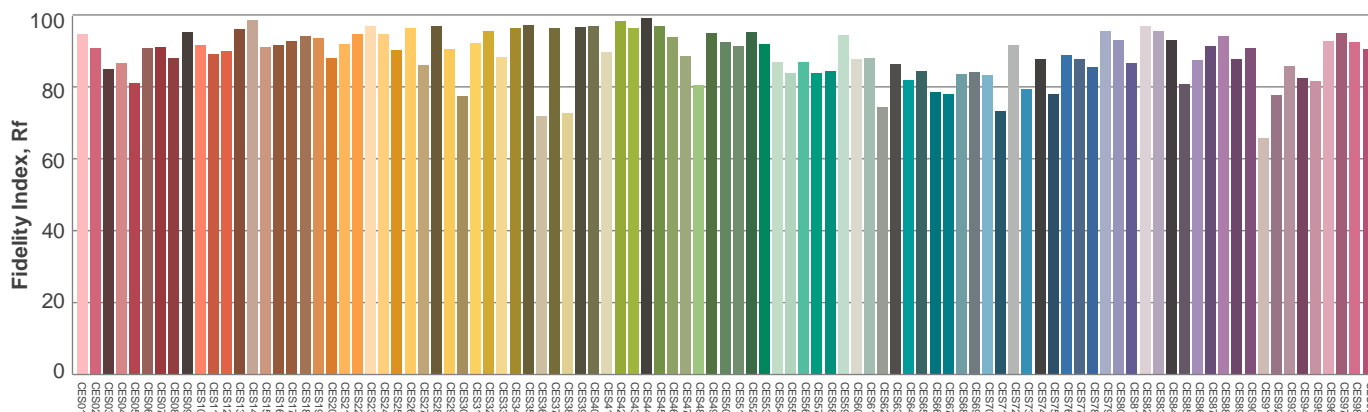
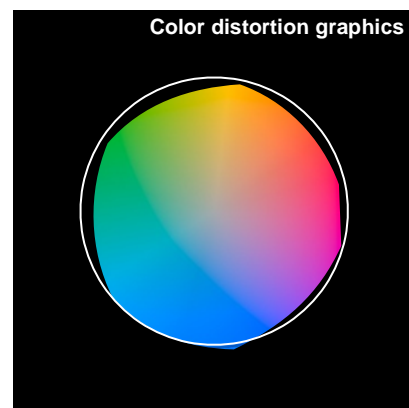
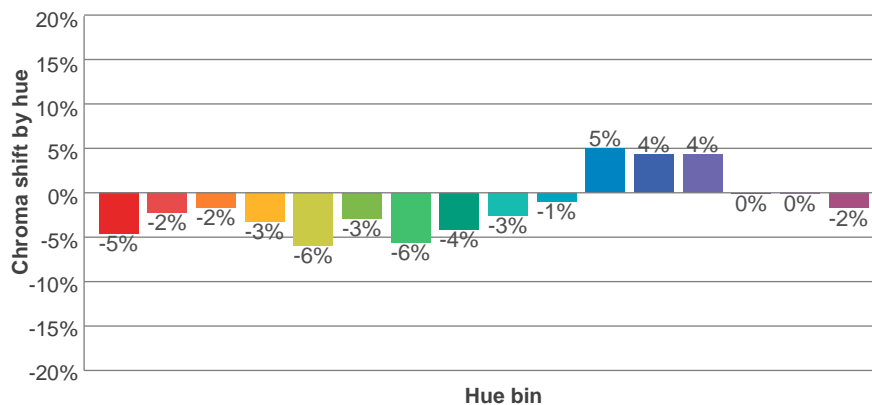
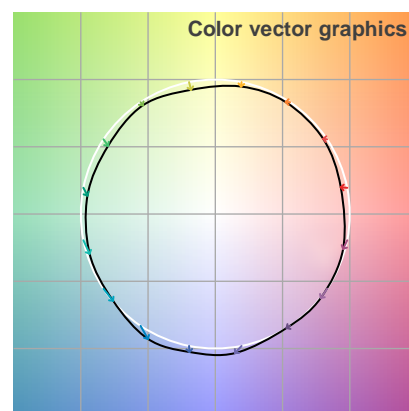
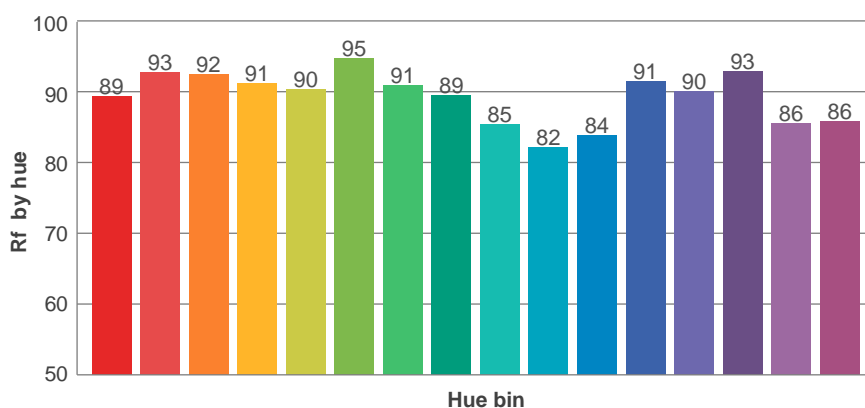
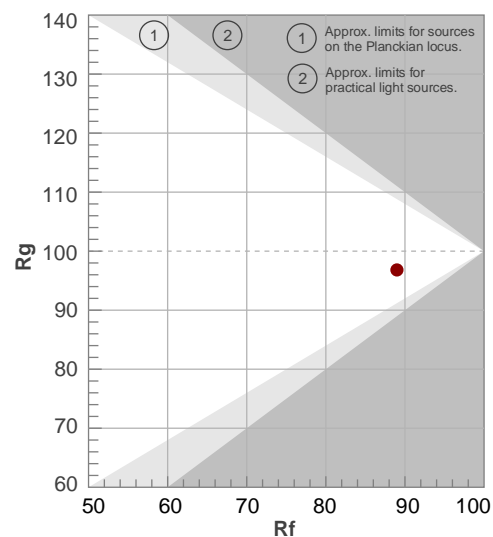
**Rf 89,0**

Fidelity index Rf

**Rg 96,8**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	89	-5%	1%
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5	90	-6%	0%
6	95	-3%	0%
7	91	-6%	2%
8	89	-4%	5%
9	85	-3%	11%
10	82	-1%	11%
11	84	5%	10%
12	91	4%	1%
13	90	4%	-6%
14	93	0%	-3%
15	86	0%	-8%
16	86	-2%	-7%



Avaliação todas as amostras de cores

**Glare Evaluation According to UGR**

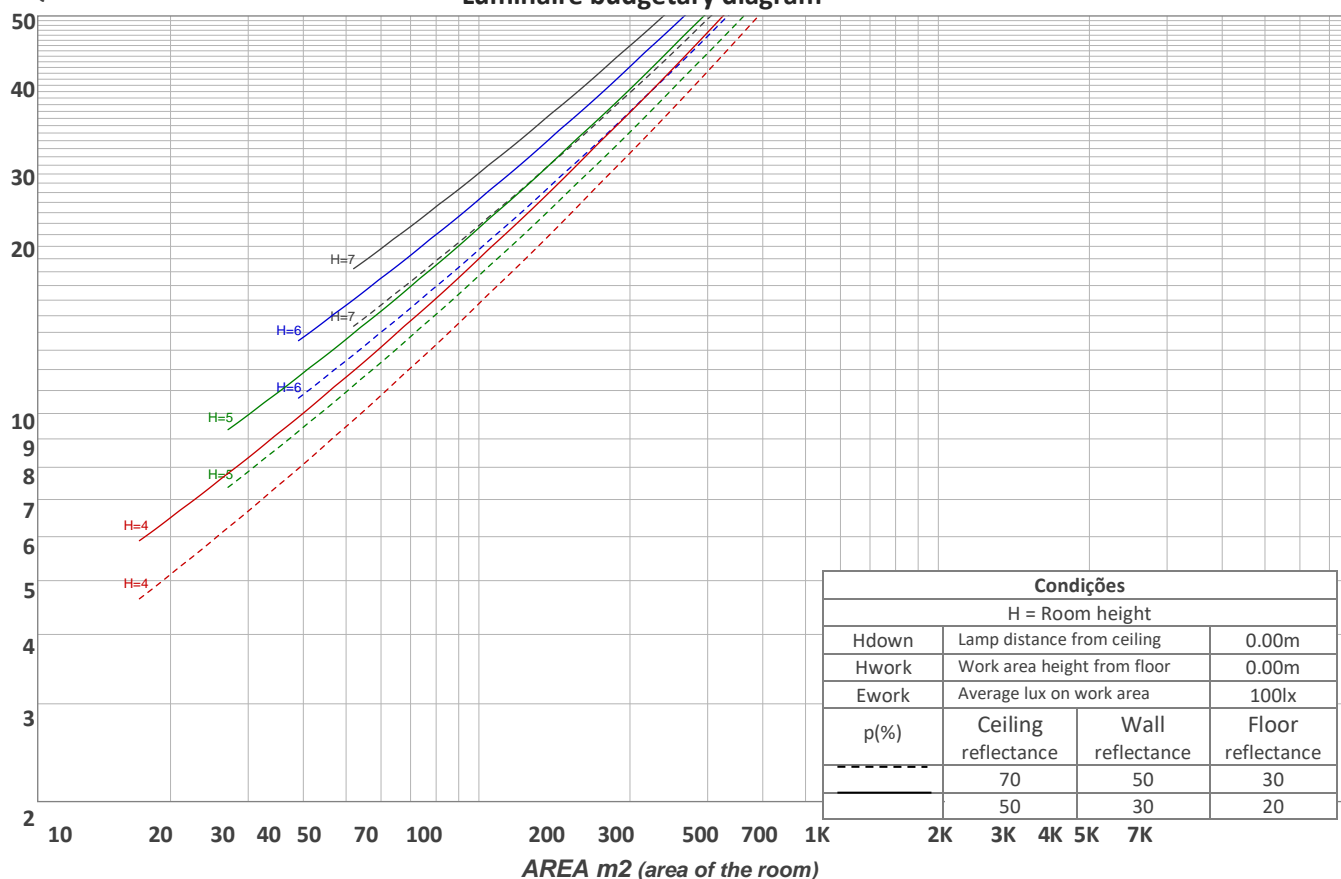
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	19,8	20,9	20,0	21,3	21,5	18,5	19,6	18,7	19,9	20,2
	3H	21,3	22,5	21,7	22,8	23,0	19,3	20,4	19,7	20,7	21,0
	4H	21,9	23,0	22,3	23,3	23,6	19,5	20,6	19,9	20,9	21,2
	6H	22,4	23,4	22,8	23,7	24,1	19,6	20,5	19,9	20,9	21,3
	8H	22,6	23,5	23,0	23,9	24,3	19,6	20,5	19,9	20,9	21,3
	12H	22,7	23,6	23,1	24,0	24,4	19,5	20,5	19,9	20,8	21,3
4H	2H	20,1	21,3	20,6	21,6	21,9	19,1	20,2	19,5	20,5	20,8
	3H	21,9	22,9	22,3	23,2	23,7	20,2	21,1	20,5	21,4	21,9
	4H	22,6	23,5	23,1	23,9	24,5	20,3	21,2	20,8	21,6	22,2
	6H	23,2	24,0	23,7	24,4	24,8	20,4	21,2	21,0	21,6	22,0
	8H	23,3	24,1	23,9	24,5	24,9	20,4	21,2	21,0	21,6	22,0
	12H	23,5	24,1	24,0	24,5	25,1	20,4	21,0	21,0	21,5	22,0
8H	4H	22,7	23,4	23,2	23,8	24,2	20,6	21,3	21,1	21,7	22,1
	6H	23,3	23,9	23,8	24,4	24,9	20,7	21,3	21,3	21,8	22,4
	8H	23,6	24,1	24,1	24,6	25,3	20,8	21,3	21,4	21,8	22,5
	12H	23,8	24,2	24,4	24,7	25,4	20,8	21,2	21,4	21,8	22,4
12H	4H	22,6	23,2	23,1	23,7	24,2	20,6	21,2	21,1	21,7	22,2
	6H	23,3	23,8	23,9	24,4	25,0	20,8	21,3	21,3	21,8	22,5
	8H	23,6	24,0	24,2	24,5	25,2	20,9	21,3	21,5	21,8	22,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,2 / -0,3				
S = 1.5H		0,2 / -0,2					0,4 / -0,7				
S = 2.0H		0,5 / -0,7					0,9 / -1,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 904 lm total luminous flux											

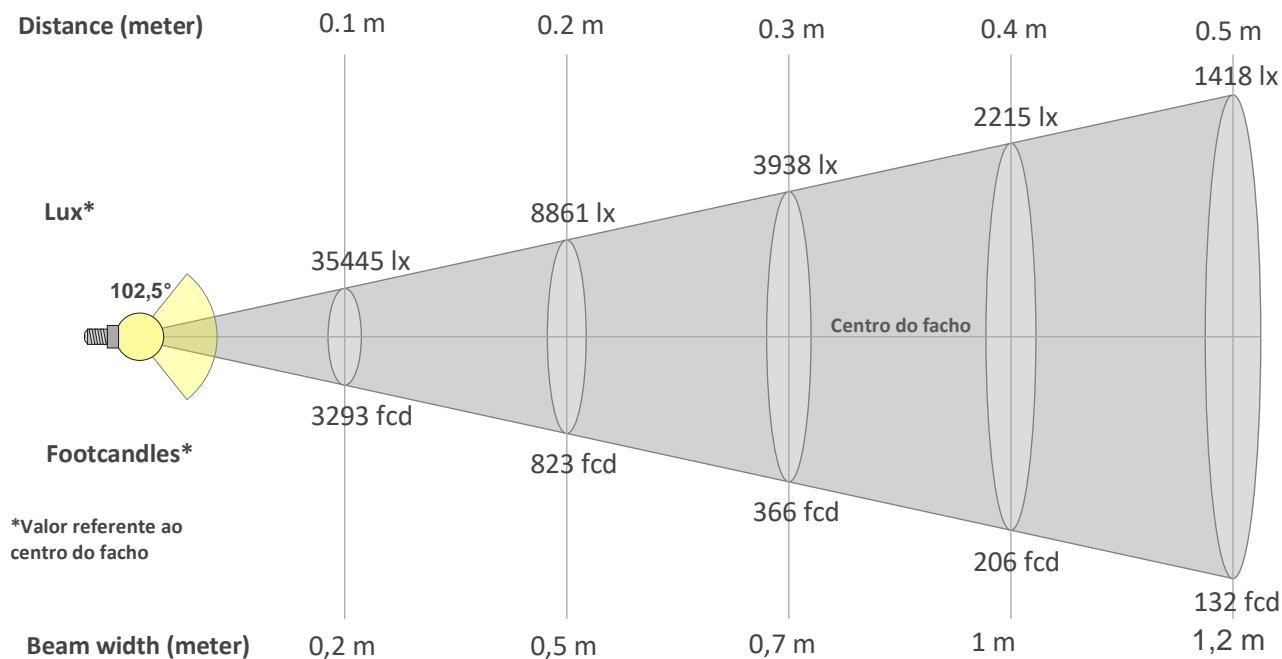
### Coeficiente de utilização

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	105	101	97	106	102	99	95	98	95	92	93	91	89	89	88	86	84
2	100	92	85	80	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	73	68	64	70	66	62	60
4	84	72	64	57	81	71	63	57	68	61	56	65	60	55	63	58	54	52
5	77	65	56	50	75	63	55	49	61	54	49	59	53	48	57	52	47	45
6	71	58	50	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40
7	66	53	45	39	64	52	44	38	50	43	38	49	42	38	47	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	45	37	31	56	44	36	31	43	36	31	41	35	30	40	34	30	28
10	54	41	33	28	53	41	33	28	39	33	28	38	32	28	37	32	28	26

### 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
354lx	89lx	39lx	22lx	14lx	10lx	7lx	6lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
32,9fcd	8,2fcd	3,7fcd	2,1fcd	1,3fcd	0,9fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
354	352	347	337	325	310	292	272	250	227	203	177	150	122	96	67	41	18	6	4
100%	99%	98%	95%	92%	87%	82%	77%	71%	64%	57%	50%	42%	35%	27%	19%	11%	5%	2%	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°
354	353	346	335	320	300	277	251	224	195	165	135	106	76	48	25	11	5	2	1
100%	100%	97%	94%	90%	85%	78%	71%	63%	55%	47%	38%	30%	22%	14%	7%	3%	1%	0%	0%

### Intensities in 180° c-plane

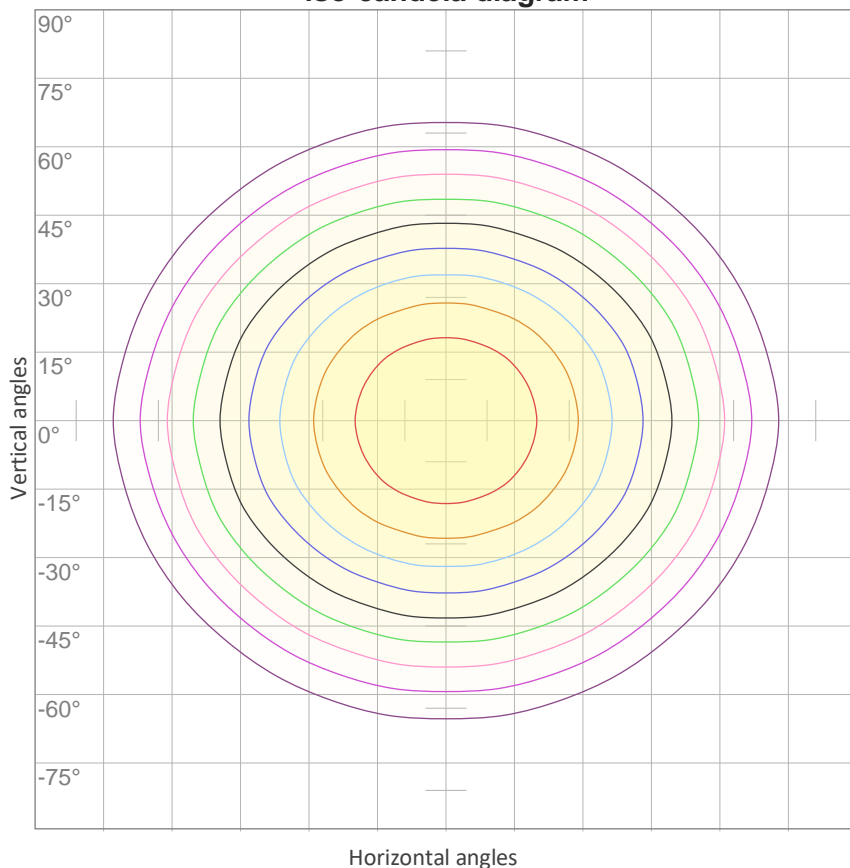
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
354	352	347	337	325	310	292	272	250	227	203	177	150	122	96	67	41	18	6	4
100%	99%	98%	95%	92%	87%	82%	77%	71%	64%	57%	50%	42%	35%	27%	19%	11%	5%	2%	1%

### 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°
354	353	346	335	320	300	277	251	224	195	165	135	106	76	48	25	11	5	2	1
100%	100%	97%	94%	90%	85%	78%	71%	63%	55%	47%	38%	30%	22%	14%	7%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	152,4°	168,6°	81,2%	57,0%

**iso-candela diagram**



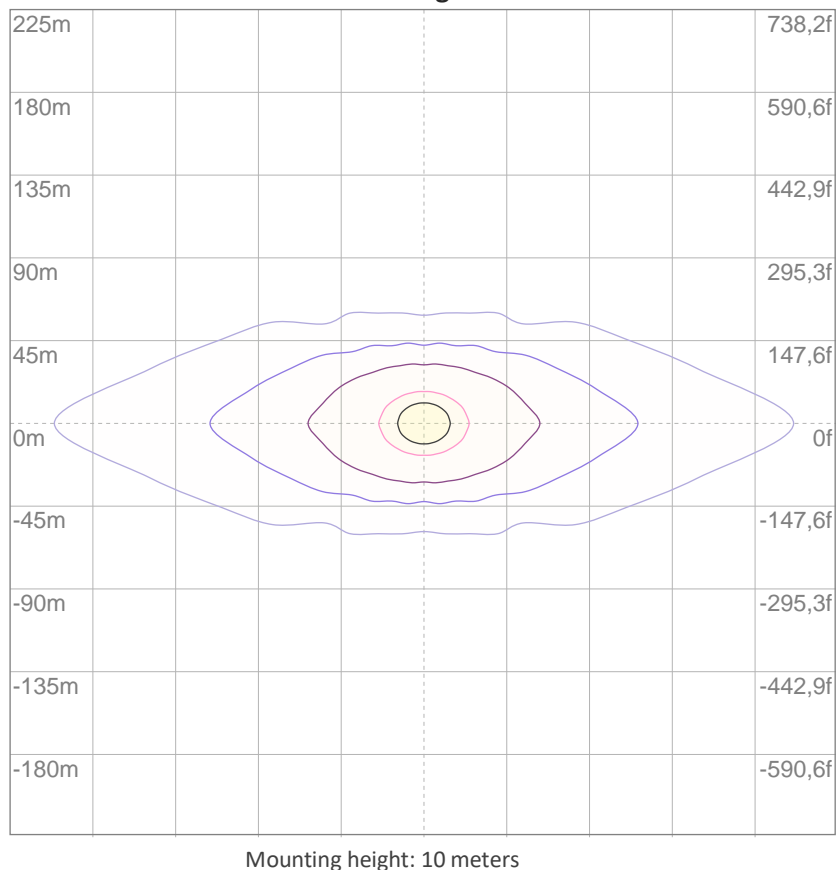
10%	35 cd
20%	71 cd
30%	106 cd
40%	142 cd
50%	177 cd
60%	213 cd
70%	248 cd
80%	284 cd
90%	319 cd

Conditions:

Number of c-planes: 16

Candela at center: 354 cd

**iso-lux diagram**



3%	0,106 lx
5%	0,177 lx
10%	0,354 lx
30%	1,06 lx
50%	1,77 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,54 lx

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

[illegible]

**FP: 1,0**

**THD tensão: n/a**