

## SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 19Wm 5500K 80 1M



Fluxo luminoso – 1356 lm/m

Potência – 19,1 W/m

Intensidade pico – 550cd

CCT – 5669K

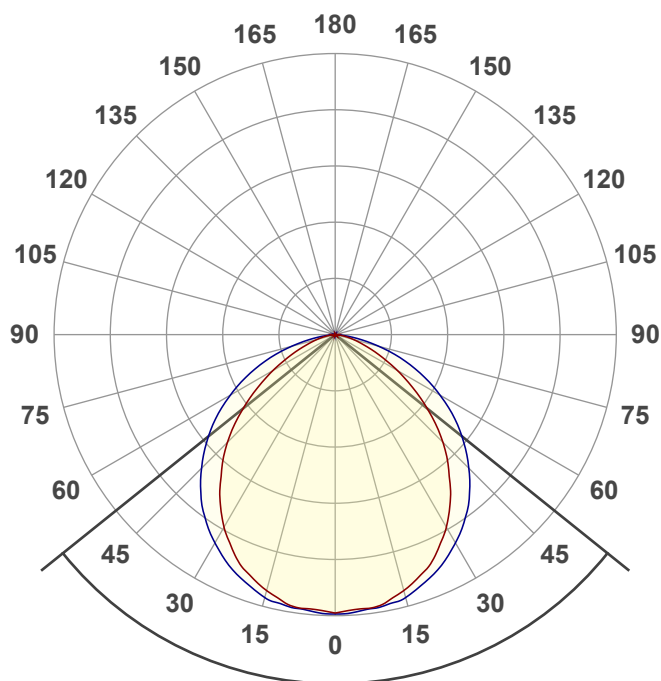


IRC – 83,4

Coordenada CIE 1931 – x- 0,329 y- 0,342

Data do ensaio

27/08/2024 14:31:00



Facho de abertura

**102,5°**

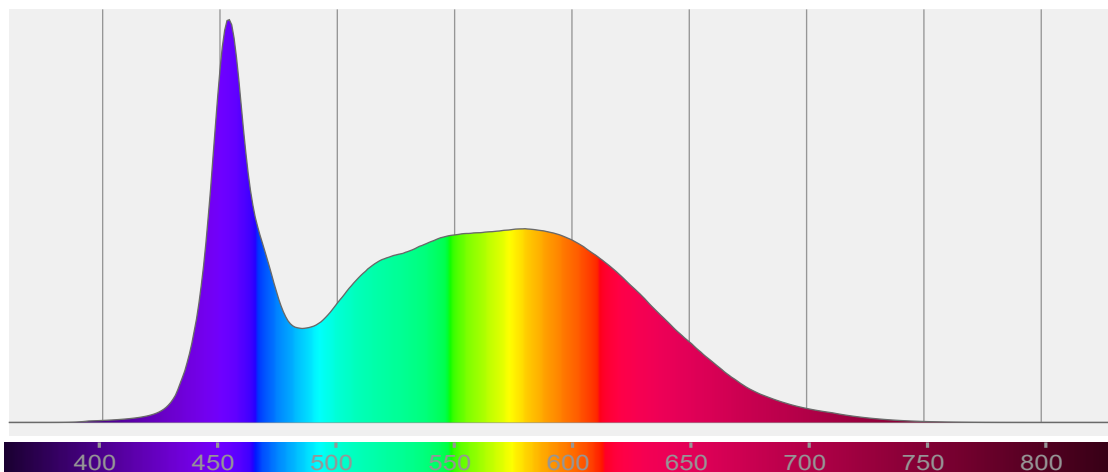
**Rf 82,3**

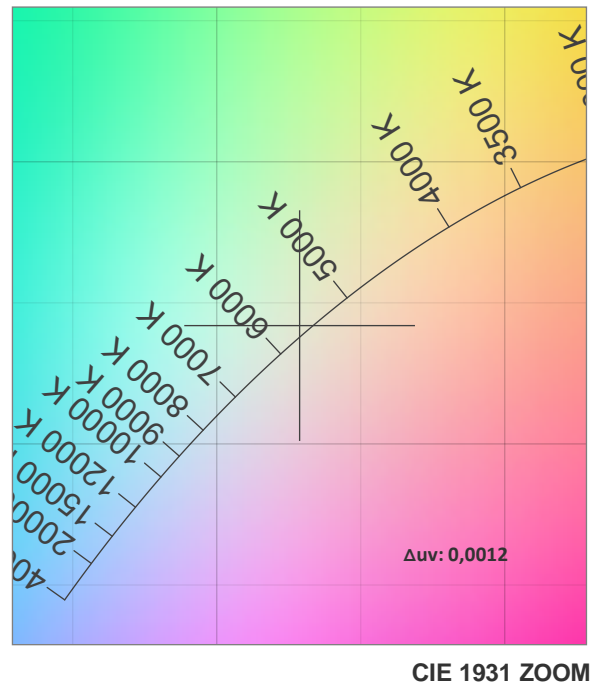
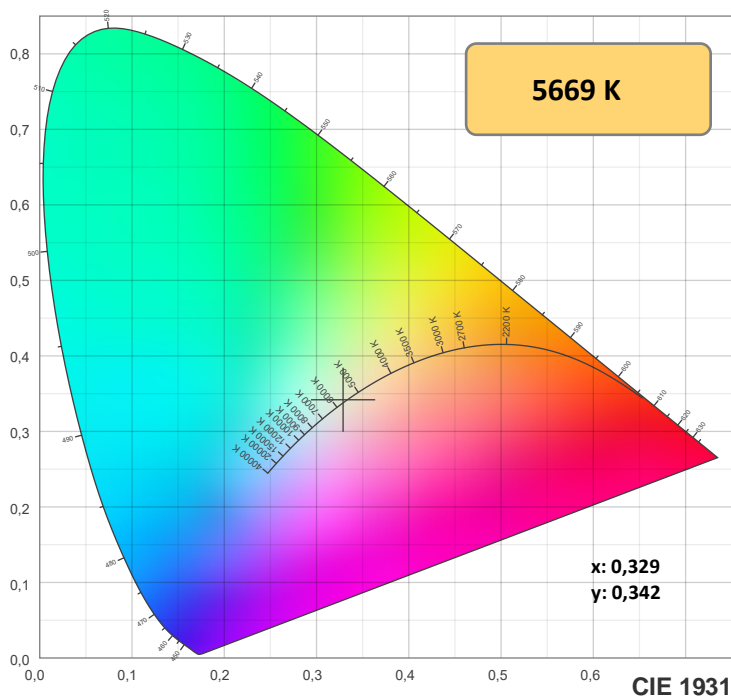
Fidelity index Rf

**Rg 93,3**

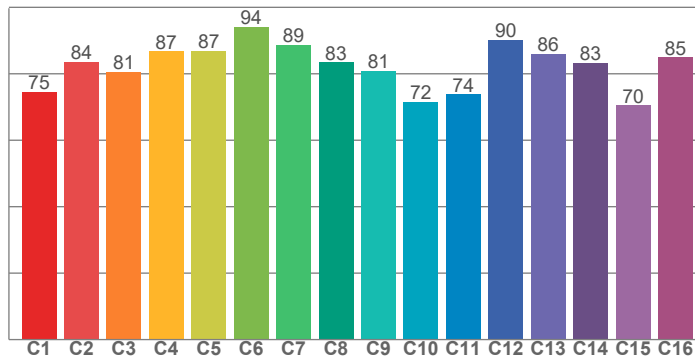
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	75	-13%	1%
2	84	-7%	6%
3	81	-5%	9%
4	87	-2%	5%
5	87	-3%	3%
6	94	-1%	-1%
7	89	-7%	-1%
8	83	-9%	4%
9	81	-9%	14%
10	72	-4%	17%
11	74	4%	16%
12	90	5%	3%
13	86	8%	-7%
14	83	2%	-10%
15	70	4%	-26%
16	85	-8%	-4%

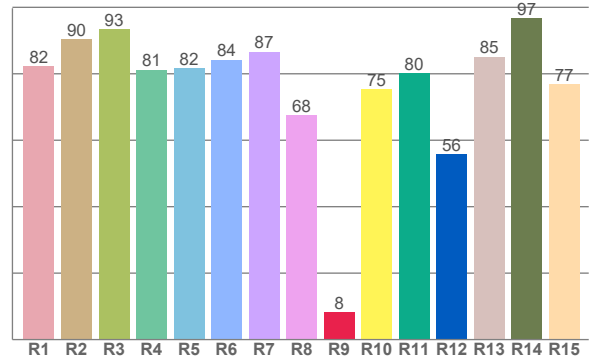




TM-30: 82,3



CRI: 83,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,2	90,4	93,4	81,2	81,7	84,2	86,6	67,6	8,2	75,4	80,2	55,7	85,1	96,8	76,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
74,6	83,6	80,6	86,7	86,9	94,1	88,8	83,4	80,9	71,5	73,8	90,3	86,0	83,3	70,4	85,0

## 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
5669 K	83,4	8,2	82,3	93,3	79,9	0,329	0,342	0,204	0,318	0,0012

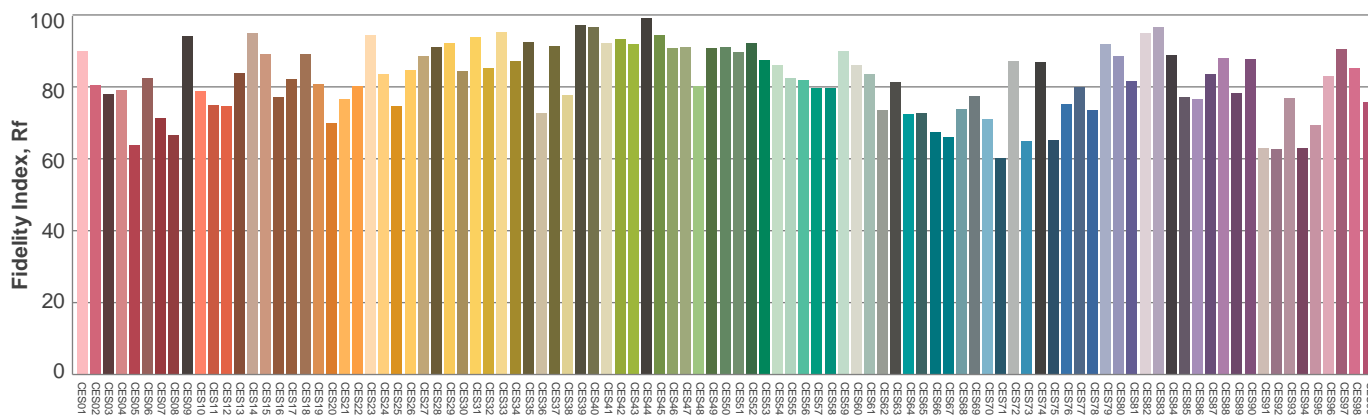
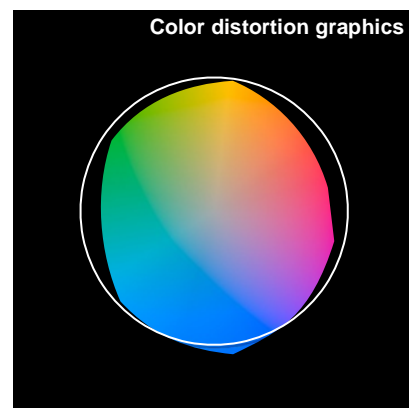
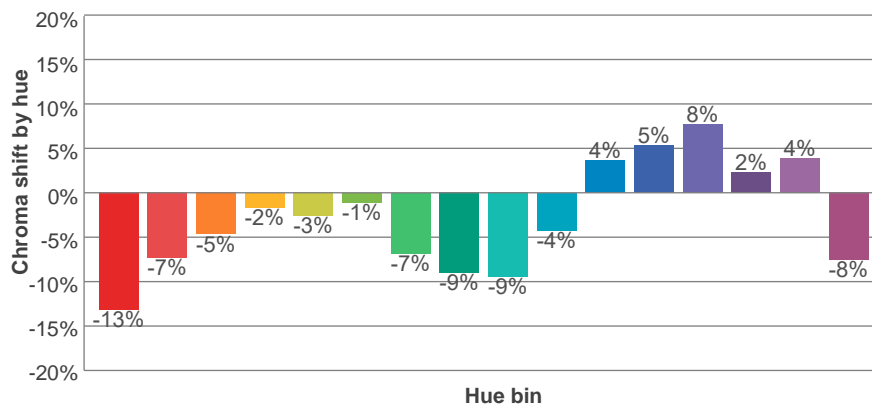
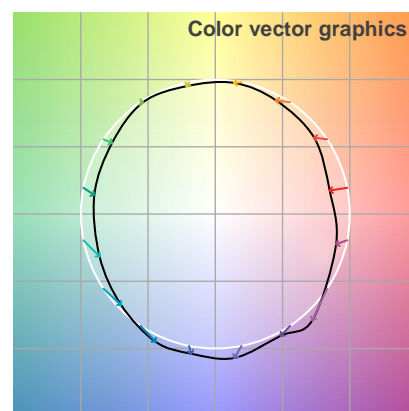
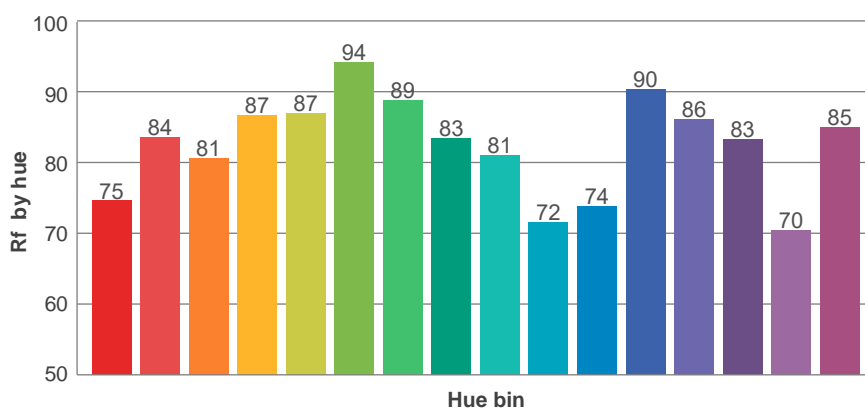
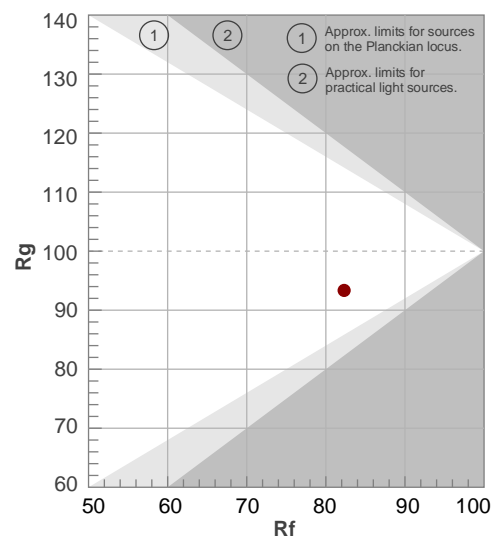
**Rf 82,3**

Fidelity index Rf

**Rg 93,3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	75	-13%	1%
2	84	-7%	6%
3	81	-5%	9%
4	87	-2%	5%
5	87	-3%	3%
6	94	-1%	-1%
7	89	-7%	-1%
8	83	-9%	4%
9	81	-9%	14%
10	72	-4%	17%
11	74	4%	16%
12	90	5%	3%
13	86	8%	-7%
14	83	2%	-10%
15	70	4%	-26%
16	85	-8%	-4%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

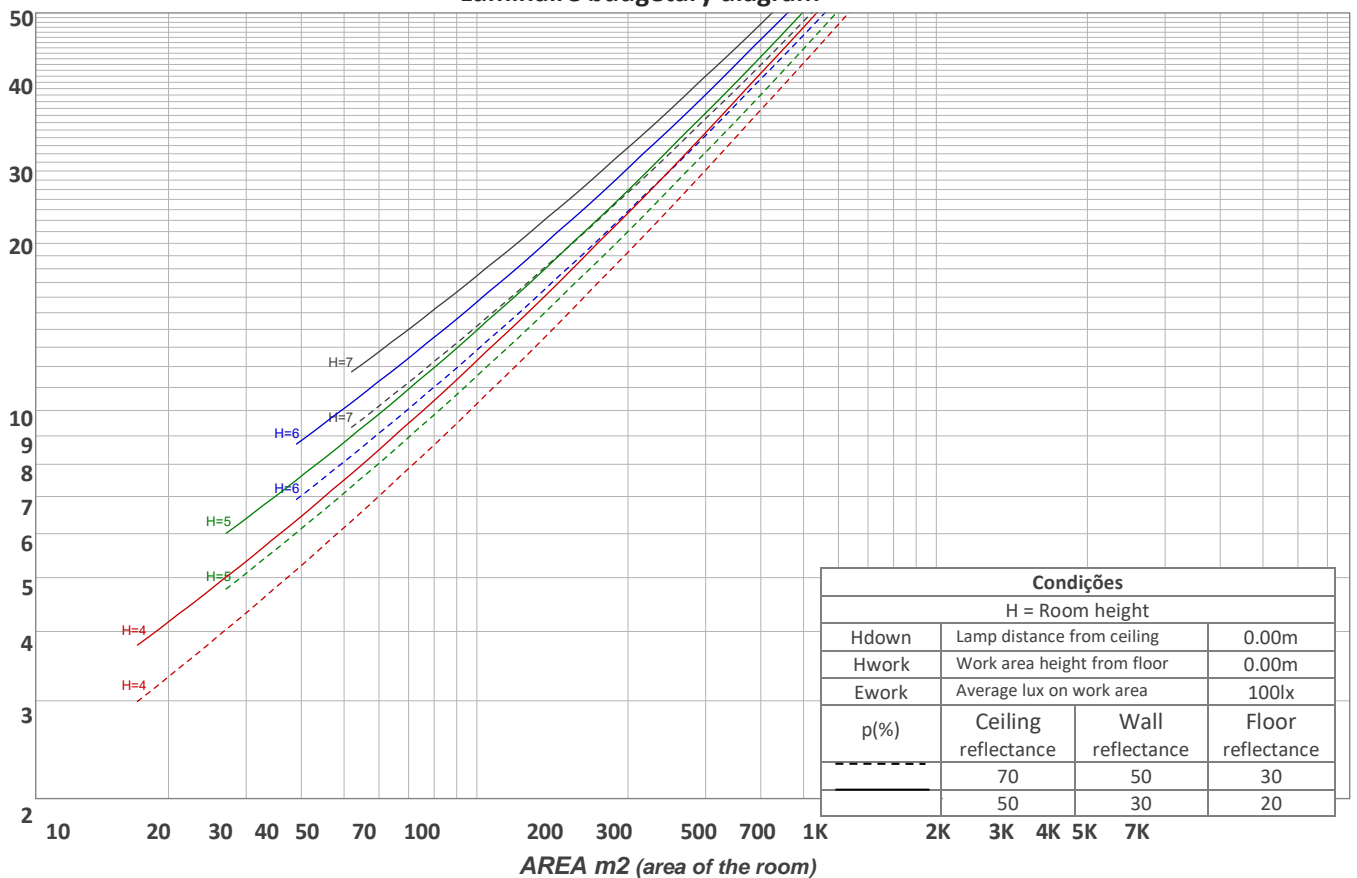
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X      Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	22,0	23,2	22,3	23,5	23,7	23,8	25,0	24,0	25,3	25,5
	3H	22,6	23,8	23,0	24,1	24,3	25,2	26,4	25,6	26,6	26,8
	4H	22,8	23,9	23,2	24,2	24,4	25,7	26,8	26,1	27,1	27,3
	6H	23,0	23,9	23,3	24,2	24,6	26,0	27,0	26,4	27,3	27,7
	8H	23,0	23,9	23,3	24,2	24,6	26,1	27,0	26,4	27,3	27,8
	12H	22,9	23,8	23,3	24,2	24,6	26,1	27,0	26,4	27,3	27,8
4H	2H	22,6	23,8	23,0	24,0	24,3	24,1	25,2	24,5	25,5	25,7
	3H	23,5	24,4	23,8	24,7	25,2	25,7	26,7	26,1	27,0	27,5
	4H	23,6	24,5	24,1	24,9	25,4	26,3	27,1	26,7	27,5	28,1
	6H	23,8	24,6	24,3	25,0	25,3	26,7	27,5	27,2	27,8	28,2
	8H	23,8	24,6	24,3	24,9	25,3	26,7	27,5	27,2	27,8	28,2
	12H	23,8	24,4	24,3	24,8	25,3	26,7	27,4	27,2	27,8	28,3
8H	4H	23,9	24,6	24,4	25,0	25,3	26,3	27,0	26,8	27,4	27,8
	6H	24,1	24,6	24,6	25,1	25,6	26,8	27,3	27,3	27,8	28,3
	8H	24,2	24,6	24,7	25,2	25,8	26,9	27,4	27,4	27,9	28,5
	12H	24,2	24,6	24,8	25,1	25,7	27,0	27,4	27,5	27,9	28,5
12H	4H	23,8	24,5	24,3	24,9	25,4	26,3	26,9	26,8	27,3	27,8
	6H	24,1	24,6	24,7	25,1	25,8	26,8	27,3	27,3	27,8	28,4
	8H	24,2	24,6	24,8	25,1	25,7	26,9	27,3	27,5	27,8	28,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,2 / -0,3					0,1 / -0,1				
S = 1.5H		0,6 / -1,0					0,2 / -0,3				
S = 2.0H		1,2 / -1,9					0,7 / -0,9				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1356 lm total luminous flux											

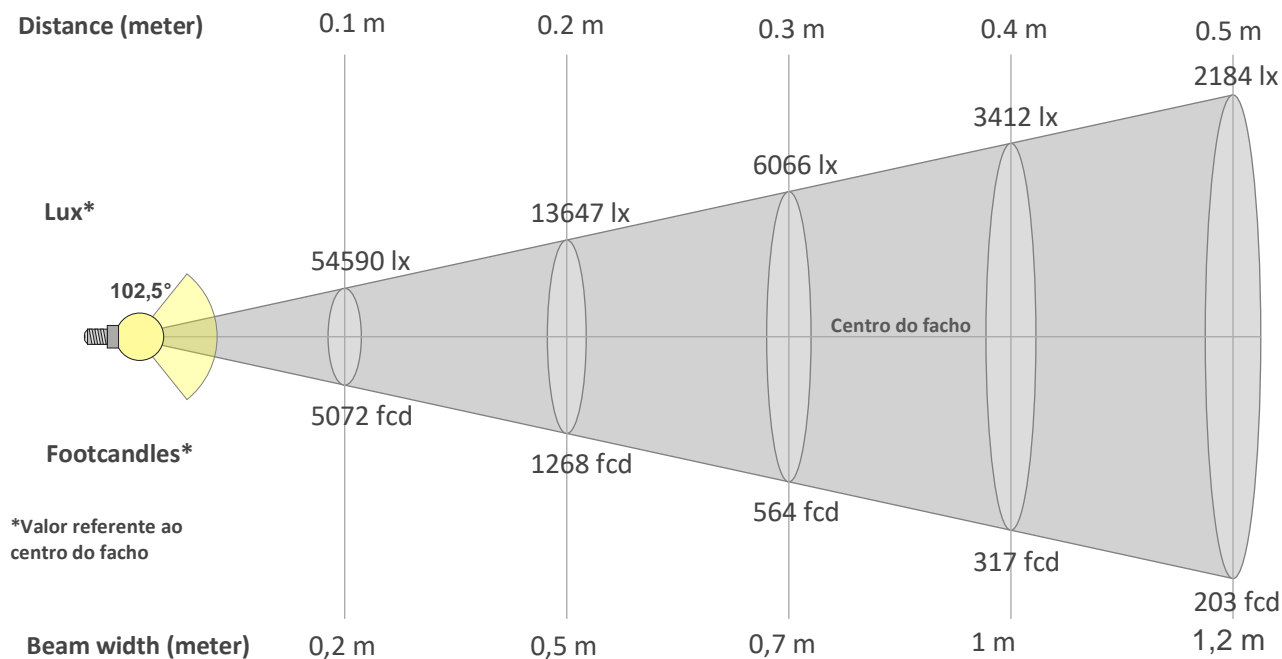
### Coeficiente de utilização

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	102	102	102	100
1	110	106	102	98	107	103	100	97	99	96	94	95	93	91	92	90	88	86
2	101	93	87	81	98	91	85	80	88	83	79	84	80	77	81	78	75	73
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	73	68	65	62
4	85	73	65	59	82	72	64	58	70	63	58	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47
6	72	60	51	45	70	59	50	45	57	50	44	55	49	44	54	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	49	41	36	61	49	41	35	47	40	35	46	40	35	45	39	35	33
9	59	45	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	34	29	54	42	34	29	41	34	29	40	33	29	39	33	29	27

### 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
546lx	136lx	61lx	34lx	22lx	15lx	11lx	9lx	7lx	5lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	2lx	1lx
50,7fcd	12,7fcd	5,6fcd	3,2fcd	2fcd	1,4fcd	1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
546	539	535	518	497	470	434	393	345	298	244	190	141	96	61	37	19	5	0	0
100%	99%	98%	95%	91%	86%	80%	72%	63%	55%	45%	35%	26%	18%	11%	7%	4%	1%	0%	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°
546	543	539	532	515	495	470	442	408	369	328	285	237	188	139	88	44	12	0	0
100%	99%	99%	97%	94%	91%	86%	81%	75%	68%	60%	52%	43%	34%	25%	16%	8%	2%	0%	0%

### Intensities in 180° c-plane

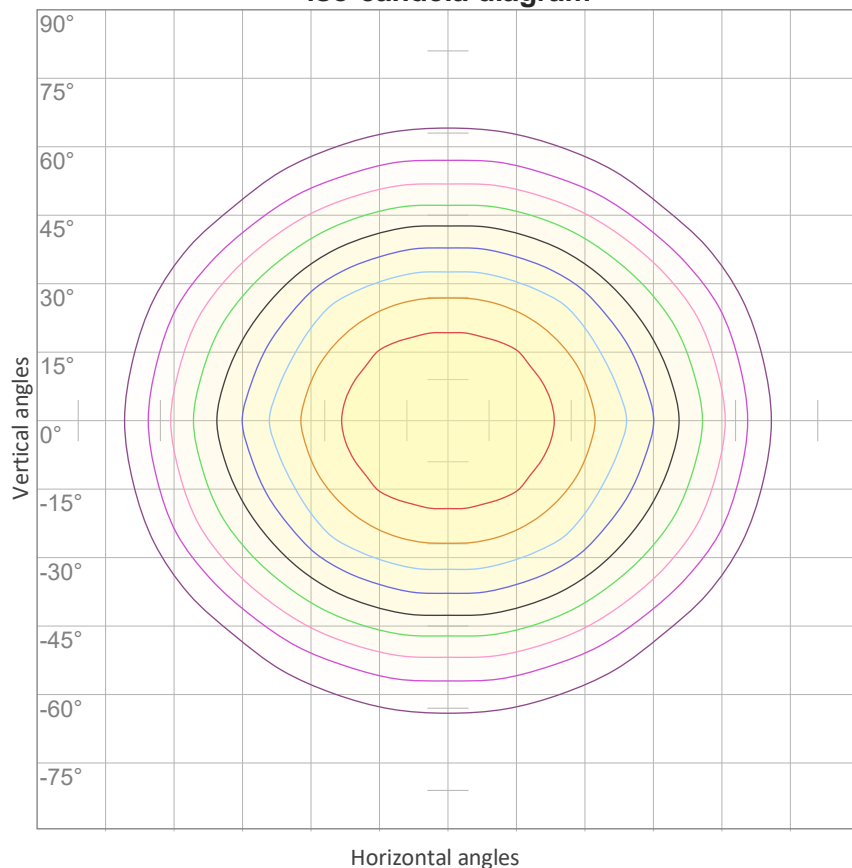
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
546	539	535	518	497	470	434	393	345	298	244	190	141	96	61	37	19	5	0	0
100%	99%	98%	95%	91%	86%	80%	72%	63%	55%	45%	35%	26%	18%	11%	7%	4%	1%	0%	0%

### 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°
546	543	539	532	515	495	470	442	408	369	328	285	237	188	139	88	44	12	0	0
100%	99%	99%	97%	94%	91%	86%	81%	75%	68%	60%	52%	43%	34%	25%	16%	8%	2%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,5°	149,1°	166,1°	84,6%	60,0%

**iso-candela diagram**



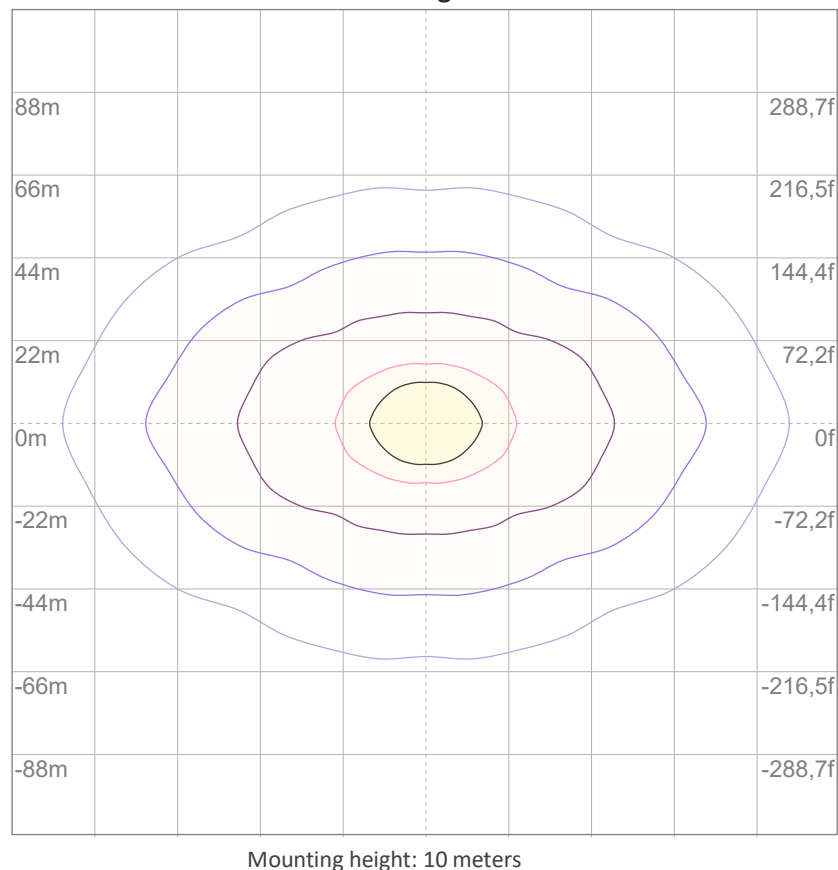
10%	55 cd
20%	109 cd
30%	164 cd
40%	218 cd
50%	273 cd
60%	328 cd
70%	382 cd
80%	437 cd
90%	491 cd

Conditions:

Number of c-planes: 16

Candela at center: 546 cd

**iso-lux diagram**



3%	0,164 lx
5%	0,273 lx
10%	0,546 lx
30%	1,64 lx
50%	2,73 lx

Conditions:

Number of c-planes: 16

Lux at center: 5,46 lx

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

**Potência**



**Vttagem: 12,0 V**

**Corrente: 1,59 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**