

## SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 14,4Wm 5500K 80 1M



Fluxo luminoso – 1003 lm/m

Potência – 14,1 W/m

Intensidade pico – 407cd

CCT – 5669K

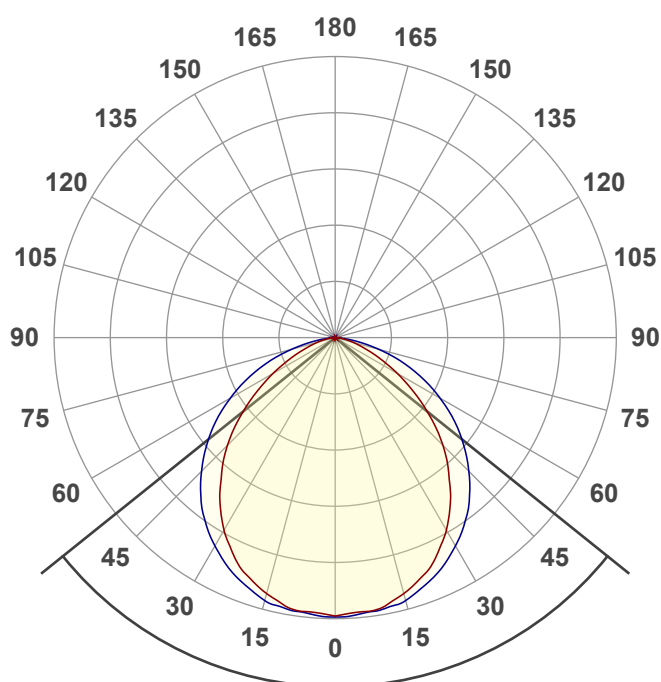


IRC – 83,4

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

Data do ensaio

27/08/2024 14:31:00



Facho de abertura

**102,5°**

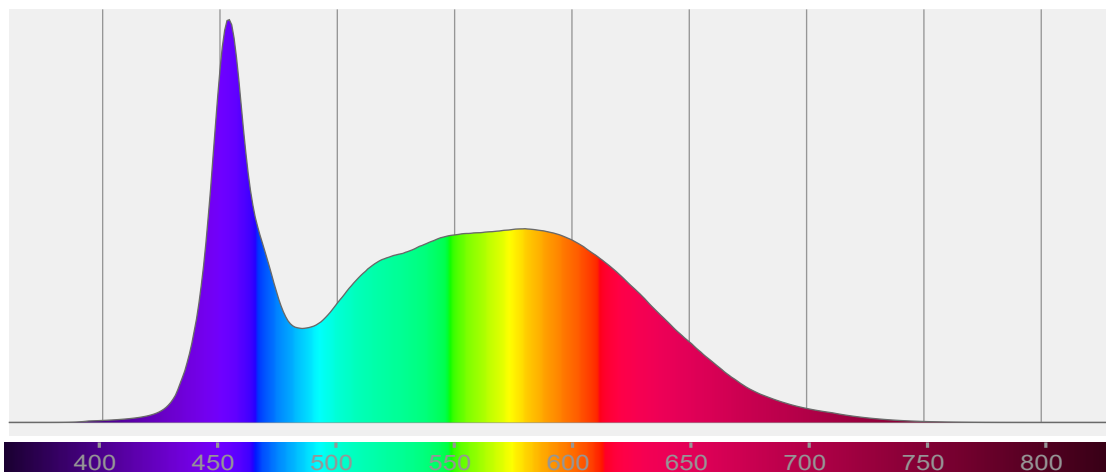
**Rf 82,3**

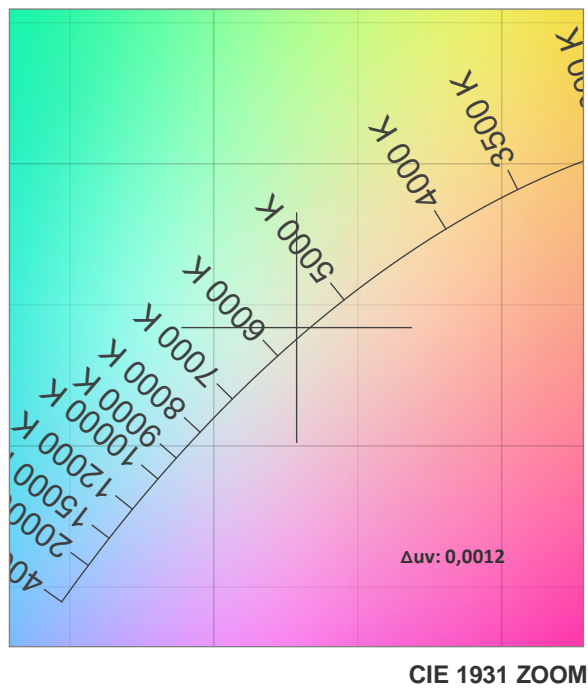
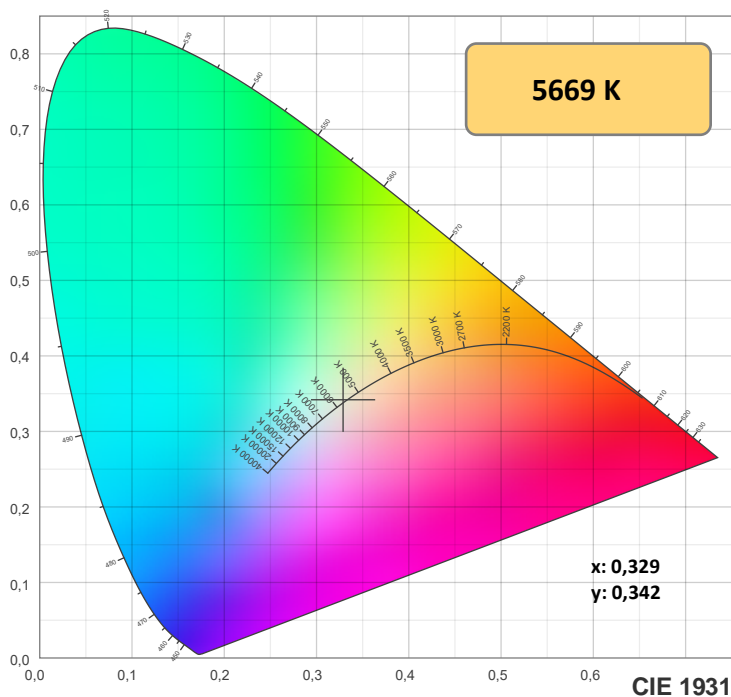
Fidelity index Rf

**Rg 93,3**

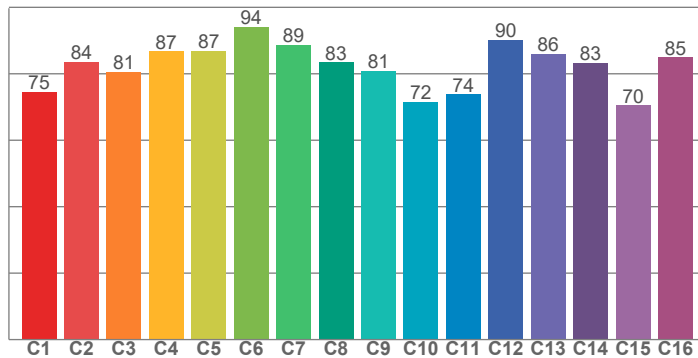
Gamut index Rg

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%

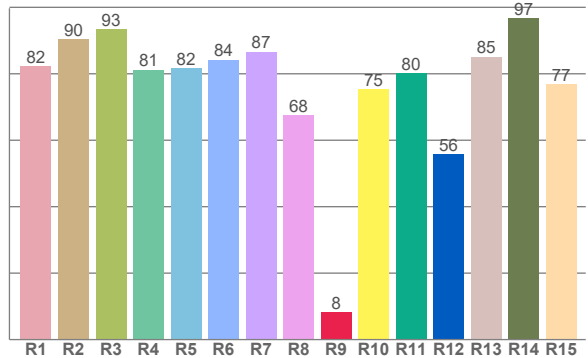




TM-30: 82,3



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	$\Delta uv$
5669 K	83,4	8,2	82,3	93,3	79,9	0,329	0,342	0,204	0,318	0,0012

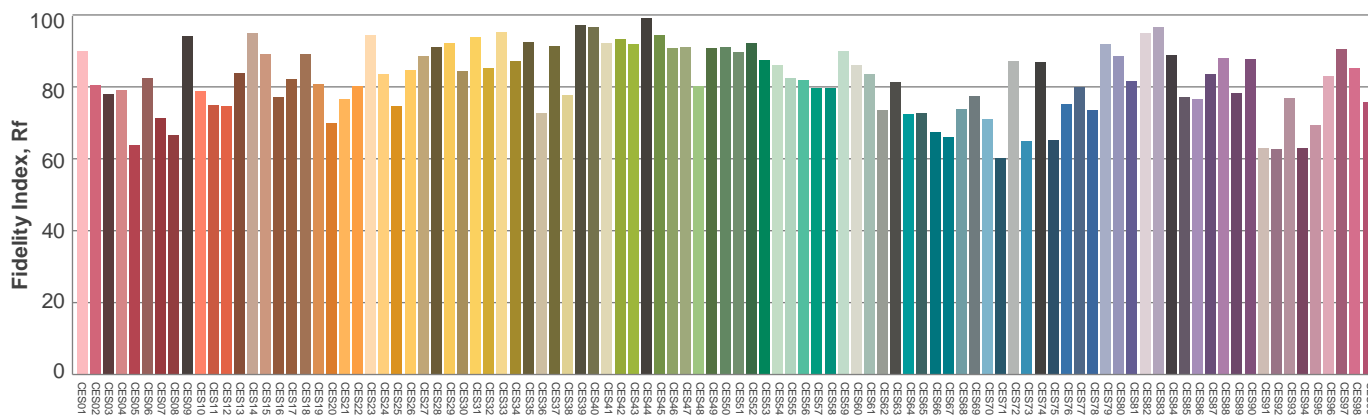
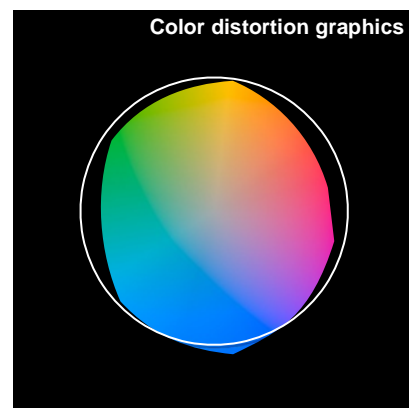
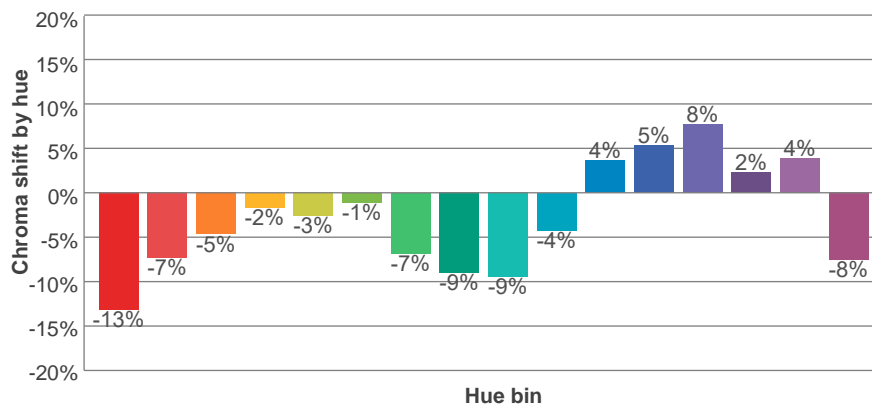
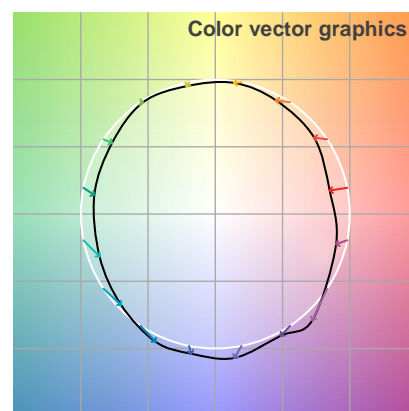
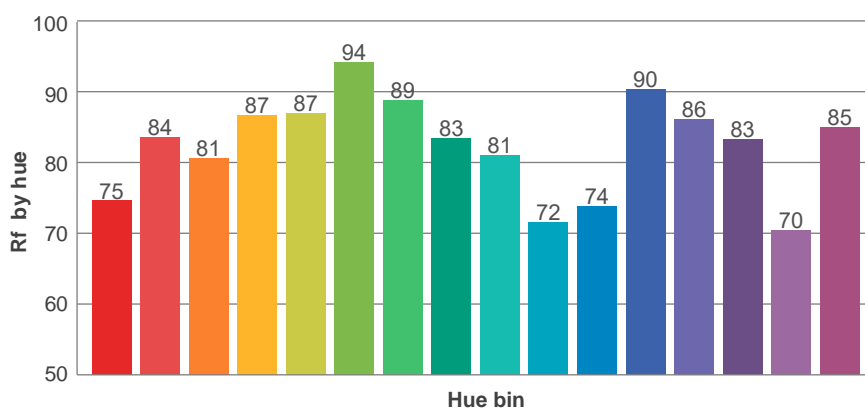
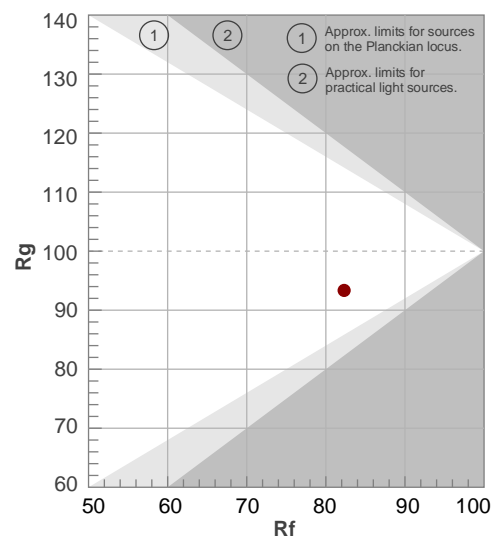
**Rf 82,3**

Fidelity index Rf

**Rg 93,3**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	75	-13%	1%
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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

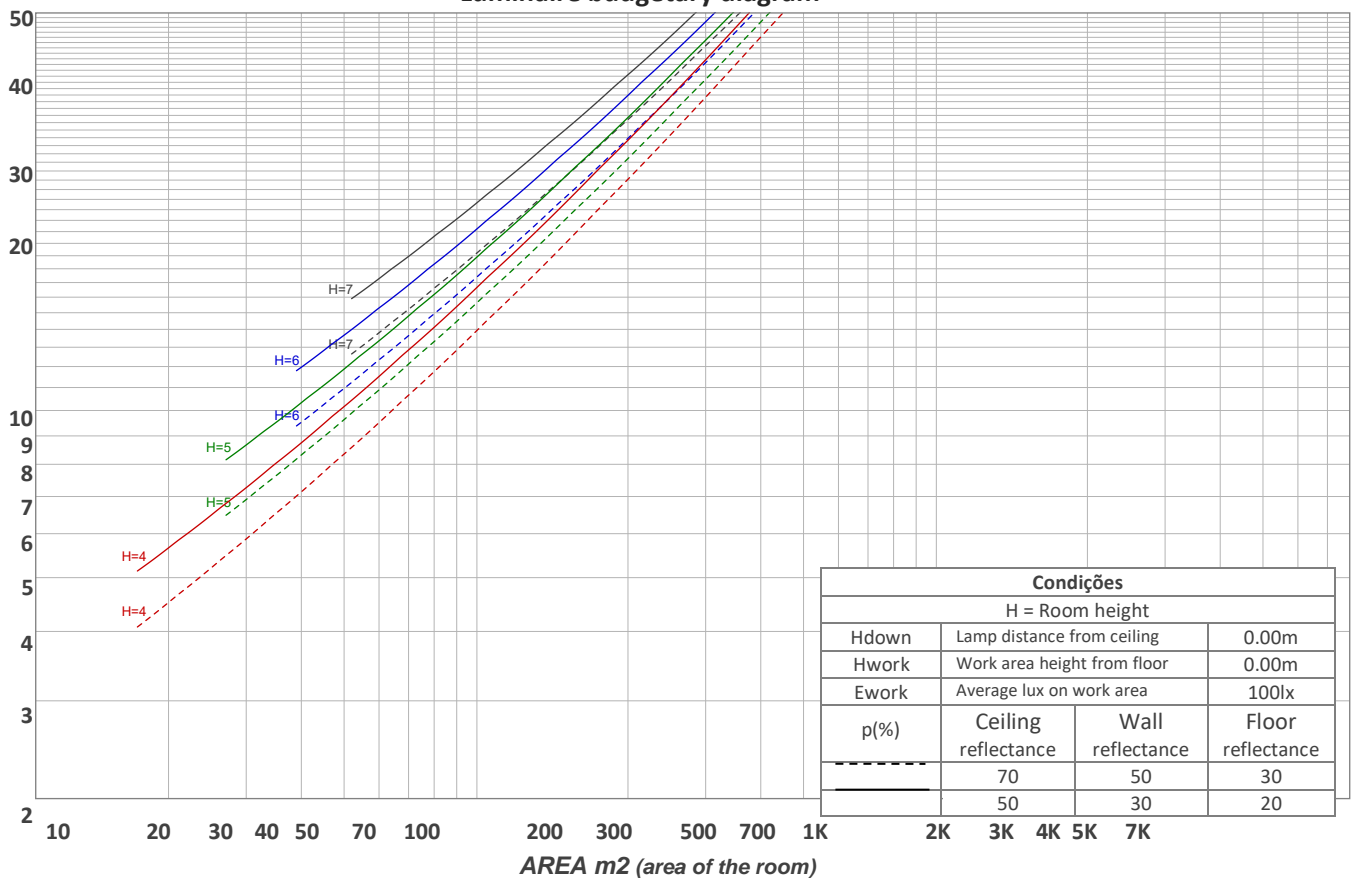
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	21,0	22,1	21,2	22,4	22,6	22,8	23,9	23,0	24,2	24,4
	3H	21,6	22,7	22,0	23,0	23,2	24,1	25,3	24,5	25,6	25,8
	4H	21,7	22,9	22,2	23,1	23,4	24,6	25,8	25,1	26,0	26,3
	6H	21,9	22,9	22,2	23,2	23,6	25,0	26,0	25,3	26,3	26,6
	8H	21,9	22,9	22,3	23,2	23,6	25,0	26,0	25,4	26,3	26,7
	12H	21,9	22,8	22,2	23,1	23,6	25,0	26,0	25,4	26,3	26,7
4H	2H	21,6	22,7	22,0	23,0	23,2	23,0	24,2	23,4	24,4	24,7
	3H	22,4	23,3	22,8	23,7	24,1	24,7	25,6	25,1	26,0	26,4
	4H	22,6	23,4	23,0	23,9	24,4	25,2	26,1	25,7	26,5	27,0
	6H	22,7	23,6	23,2	23,9	24,3	25,6	26,4	26,1	26,8	27,1
	8H	22,8	23,5	23,3	23,9	24,3	25,7	26,4	26,2	26,8	27,2
	12H	22,8	23,4	23,3	23,8	24,3	25,7	26,3	26,2	26,7	27,2
8H	4H	22,8	23,5	23,3	23,9	24,3	25,3	26,0	25,8	26,4	26,7
	6H	23,0	23,6	23,5	24,1	24,6	25,7	26,3	26,2	26,7	27,3
	8H	23,1	23,6	23,6	24,1	24,8	25,9	26,3	26,4	26,9	27,5
	12H	23,1	23,5	23,7	24,0	24,6	25,9	26,3	26,5	26,8	27,4
12H	4H	22,8	23,4	23,3	23,8	24,3	25,2	25,8	25,7	26,3	26,7
	6H	23,1	23,6	23,6	24,1	24,7	25,7	26,2	26,2	26,7	27,4
	8H	23,2	23,6	23,7	24,1	24,7	25,9	26,3	26,4	26,8	27,4
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 1003 lm total luminous flux											

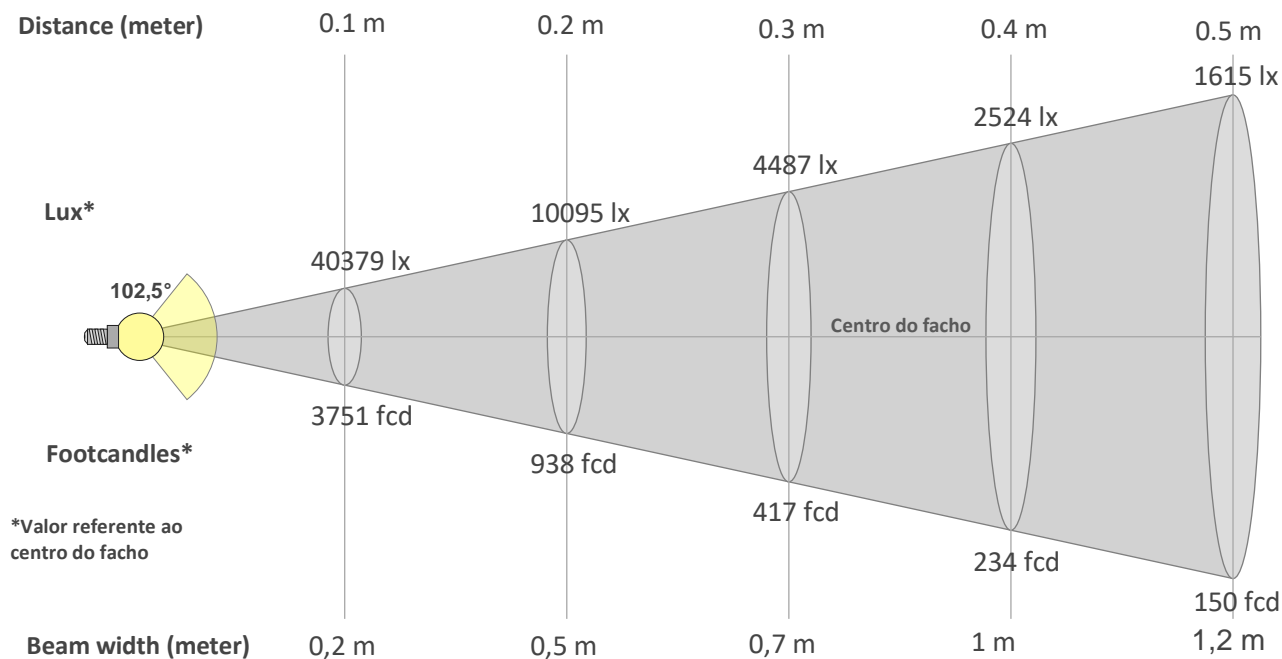
**Coeficiente de utilização**

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
404lx	101lx	45lx	25lx	16lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
37,5fcd	9,4fcd	4,2fcd	2,3fcd	1,5fcd	1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	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°
404	398	396	383	368	347	321	290	255	220	181	141	104	71	45	27	14	4	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°
404	402	399	393	381	366	348	327	302	273	243	211	175	139	103	65	33	9	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

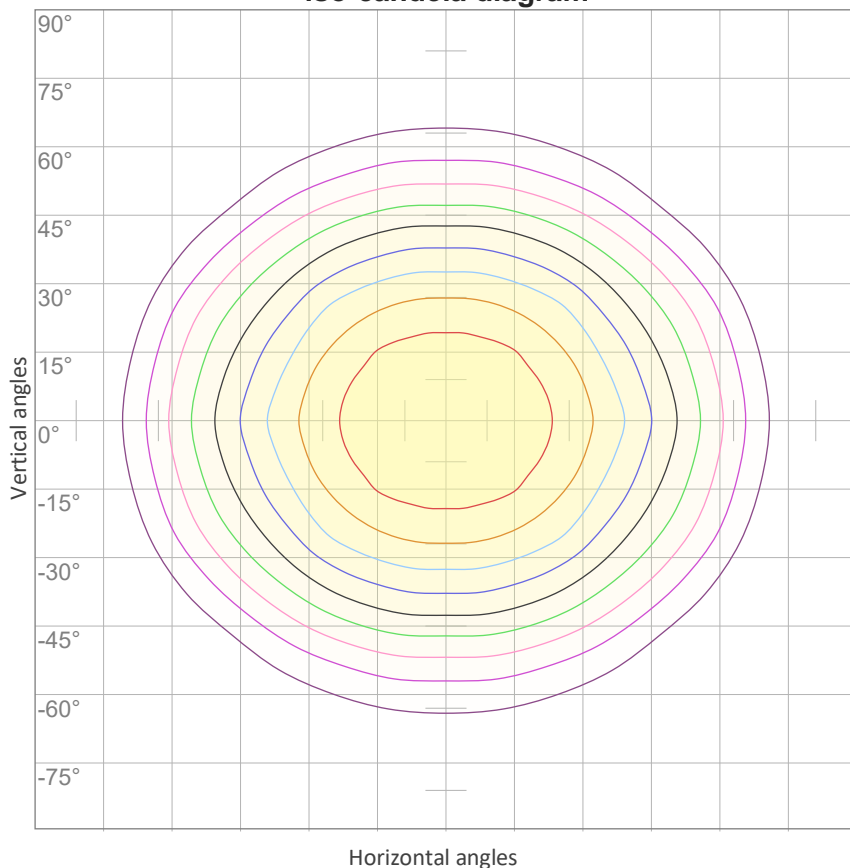
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
404	398	396	383	368	347	321	290	255	220	181	141	104	71	45	27	14	4	0	0
100%	99%	98%	95%	91%	86%	80%	72%	63%	55%	45%	35%	26%	18%	11%	7%	4%	1%	0%	0%

### 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°
404	402	399	393	381	366	348	327	302	273	243	211	175	139	103	65	33	9	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**



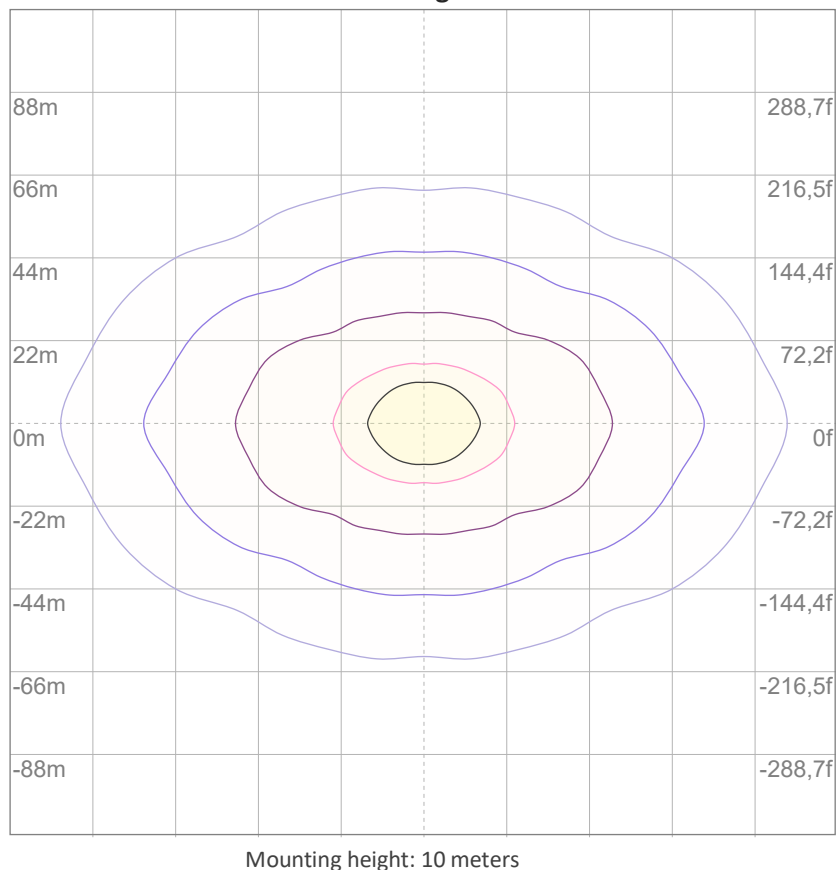
10%	40 cd
20%	81 cd
30%	121 cd
40%	162 cd
50%	202 cd
60%	242 cd
70%	283 cd
80%	323 cd
90%	363 cd

Conditions:

Number of c-planes: 16

Candela at center: 404 cd

**iso-lux diagram**



3%	0,121 lx
5%	0,202 lx
10%	0,404 lx
30%	1,21 lx
50%	2,02 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,04 lx

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

**Potência**



**Voltagem: 12,0 V**

**Corrente: 1,18 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**