

## SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 9,6Wm 5500K 80 1M



Fluxo luminoso – 650 lm/m

Potência – 9,1 W/m

Intensidade pico – 264cd

CCT – 5669K

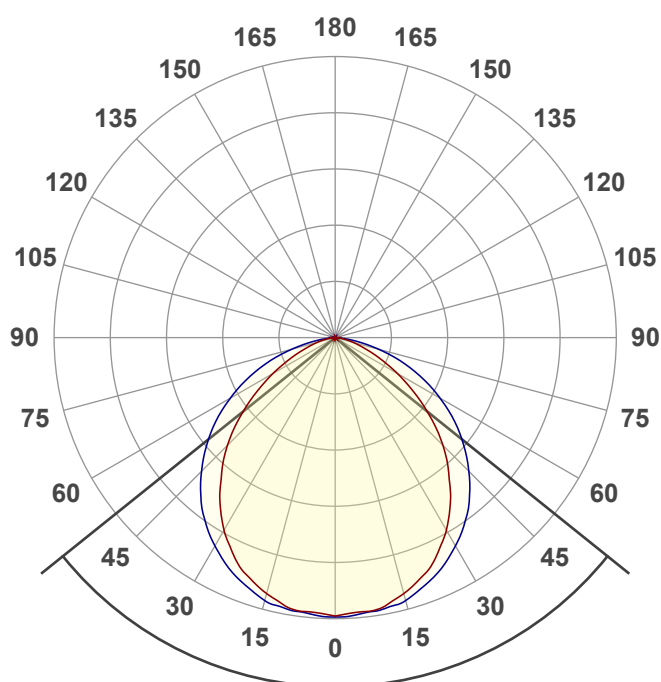


IRC – 83,4

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

Data do ensaio

27/08/2024 14:31:00



Facho de abertura

**102,5°**

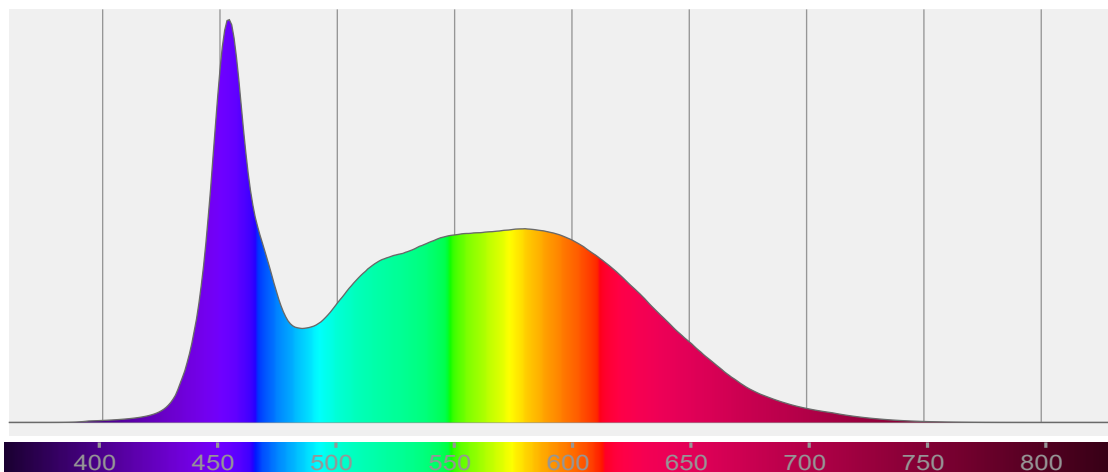
**Rf 82,3**

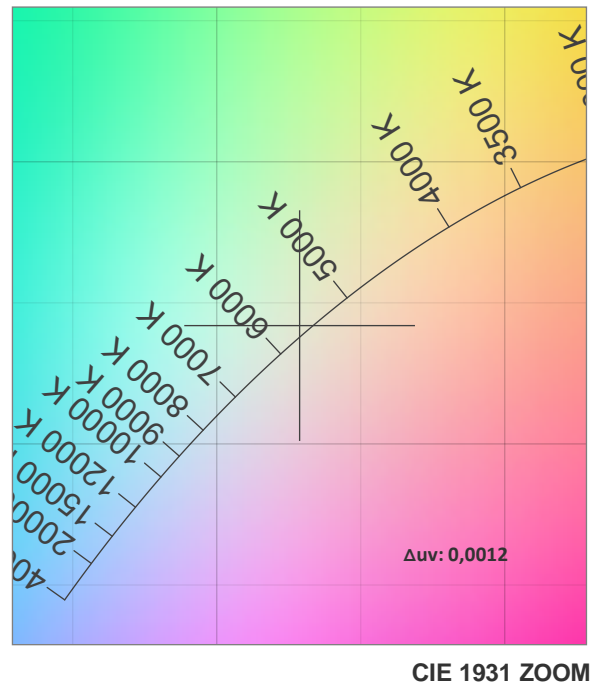
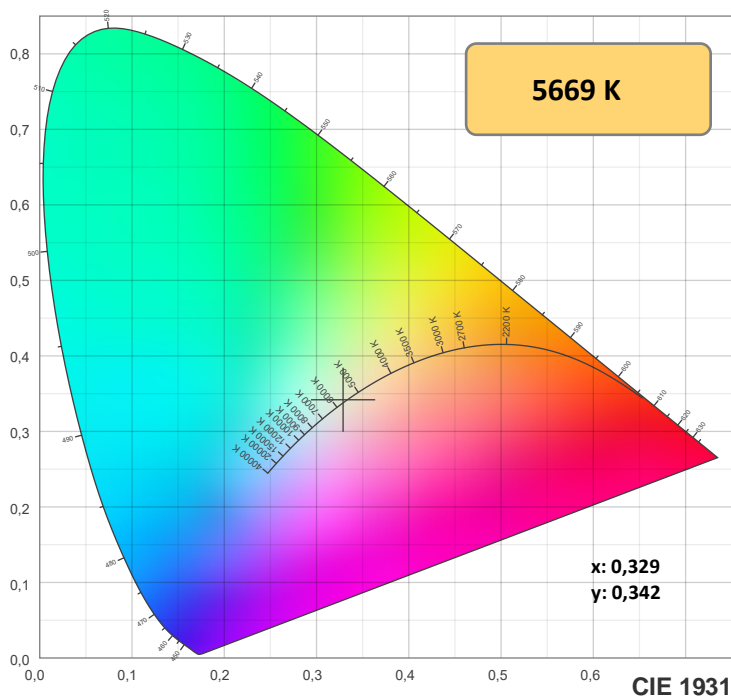
Fidelity index Rf

**Rg 93,3**

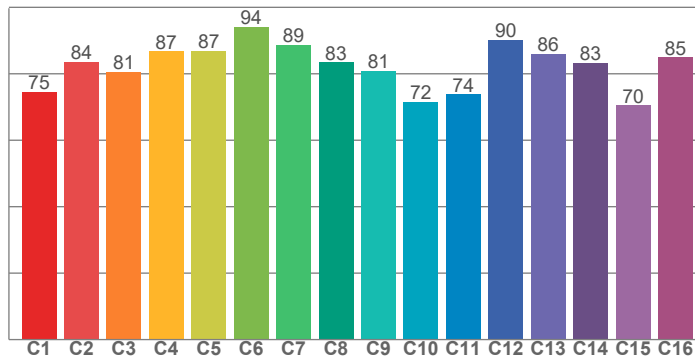
Gamut index Rg

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%

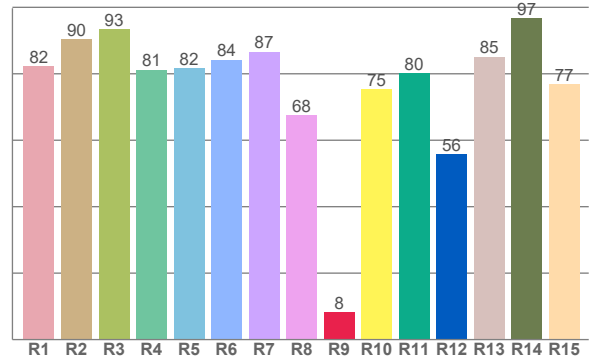




TM-30: 82,3



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

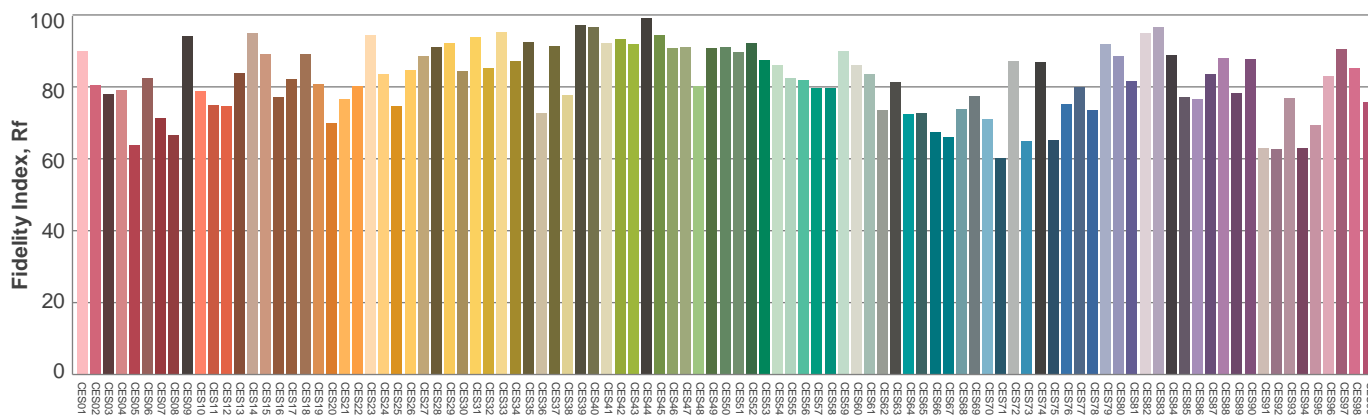
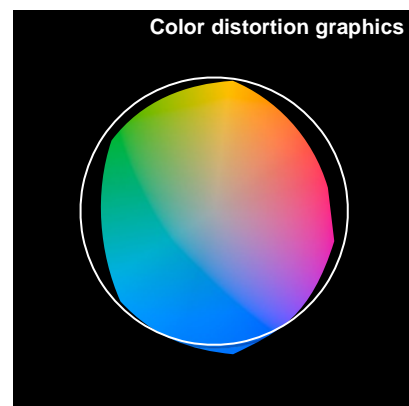
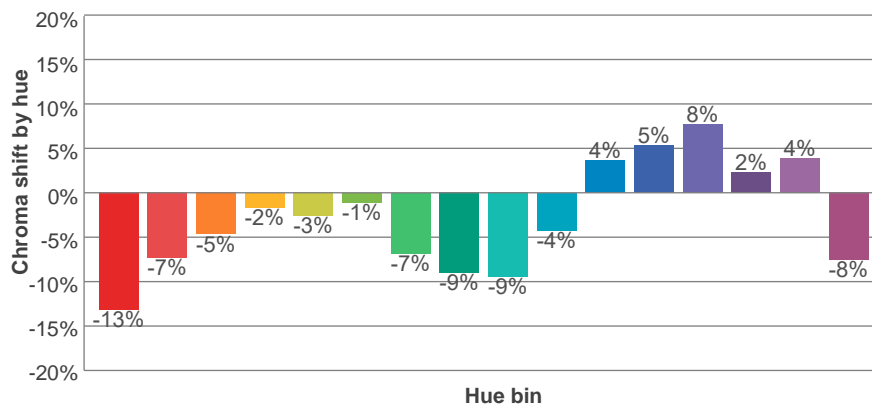
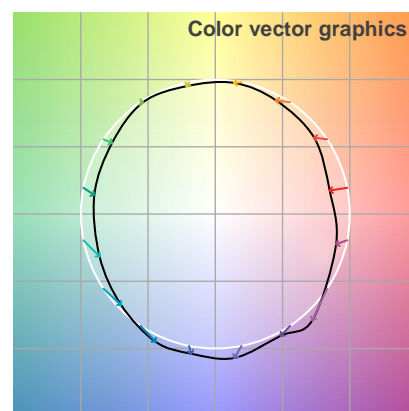
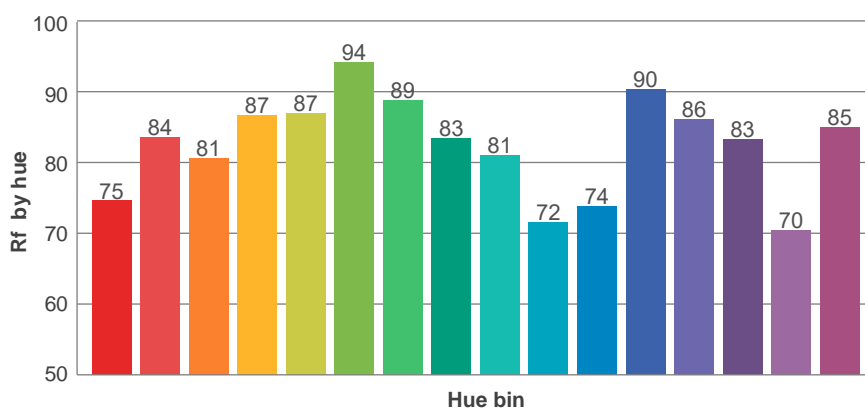
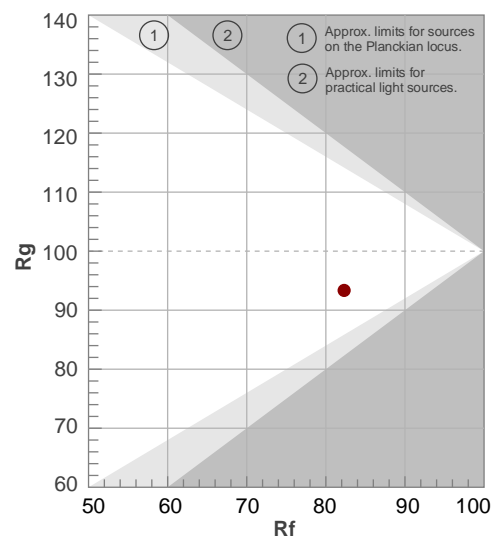
**Rf 82,3**

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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7	89	-7%	-1%
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9	81	-9%	14%
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11	74	4%	16%
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13	86	8%	-7%
14	83	2%	-10%
15	70	4%	-26%
16	85	-8%	-4%



Glare Evaluation According to UGR

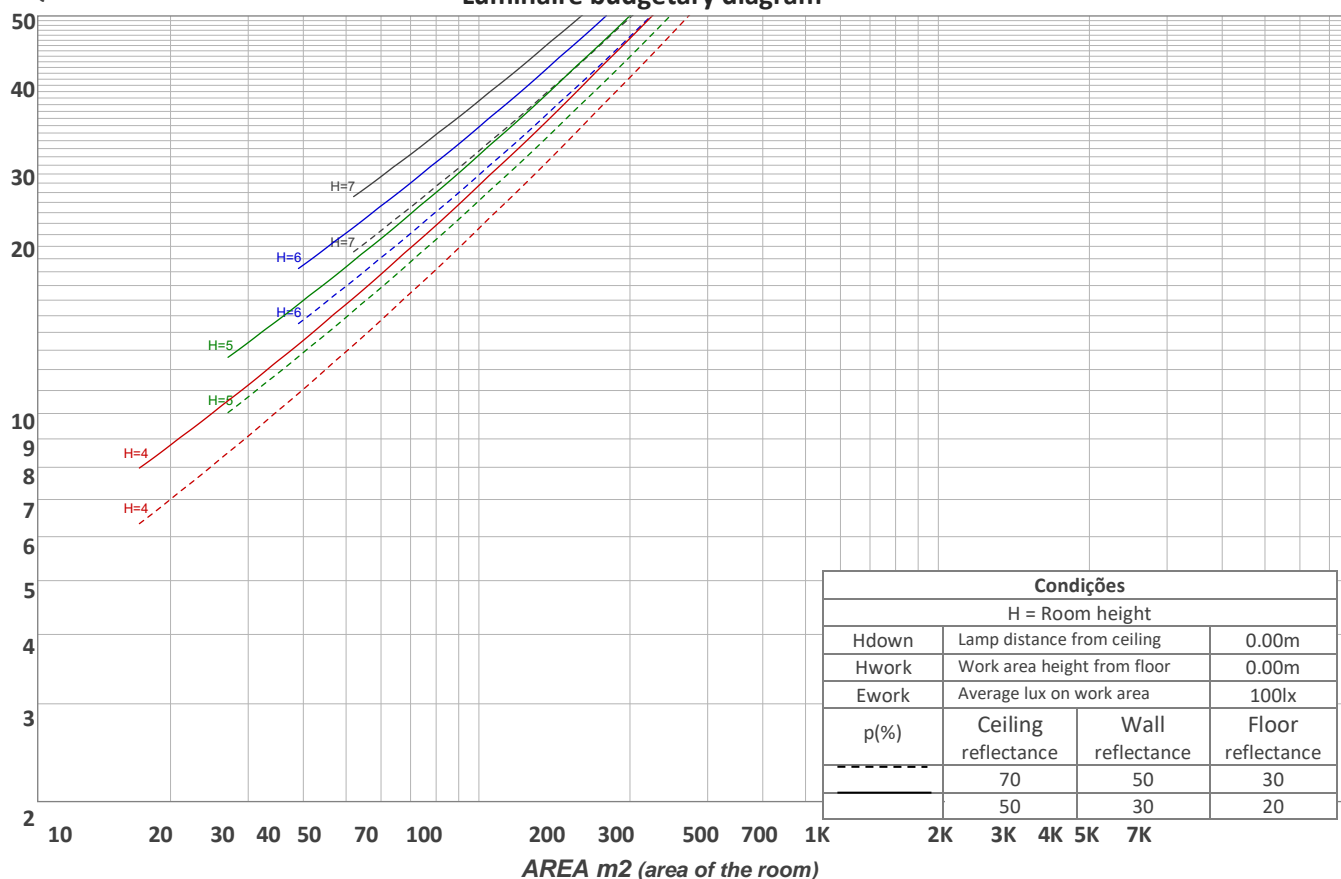
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	19,5	20,6	19,7	20,9	21,1	21,3	22,4	21,5	22,7	22,9
	3H	20,0	21,2	20,5	21,5	21,7	22,6	23,8	23,0	24,1	24,3
	4H	20,2	21,4	20,6	21,6	21,9	23,1	24,3	23,5	24,5	24,8
	6H	20,4	21,4	20,7	21,7	22,0	23,5	24,5	23,8	24,7	25,1
	8H	20,4	21,4	20,7	21,7	22,1	23,5	24,5	23,9	24,8	25,2
	12H	20,4	21,3	20,7	21,6	22,1	23,5	24,4	23,9	24,8	25,2
4H	2H	20,1	21,2	20,5	21,5	21,7	21,5	22,7	21,9	22,9	23,2
	3H	20,9	21,8	21,3	22,2	22,6	23,2	24,1	23,6	24,5	24,9
	4H	21,1	21,9	21,5	22,3	22,9	23,7	24,6	24,2	25,0	25,5
	6H	21,2	22,1	21,7	22,4	22,8	24,1	24,9	24,6	25,3	25,6
	8H	21,3	22,0	21,8	22,4	22,7	24,2	24,9	24,7	25,3	25,7
	12H	21,2	21,9	21,7	22,3	22,8	24,2	24,8	24,7	25,2	25,7
8H	4H	21,3	22,0	21,8	22,4	22,8	23,8	24,5	24,3	24,9	25,2
	6H	21,5	22,1	22,0	22,6	23,1	24,2	24,8	24,7	25,2	25,8
	8H	21,6	22,1	22,1	22,6	23,2	24,4	24,8	24,9	25,4	26,0
	12H	21,6	22,0	22,2	22,5	23,1	24,4	24,8	25,0	25,3	25,9
12H	4H	21,3	21,9	21,8	22,3	22,8	23,7	24,3	24,2	24,7	25,2
	6H	21,6	22,1	22,1	22,6	23,2	24,2	24,7	24,7	25,2	25,9
	8H	21,6	22,0	22,2	22,6	23,2	24,3	24,7	24,9	25,2	25,9
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 650 lm total luminous flux											

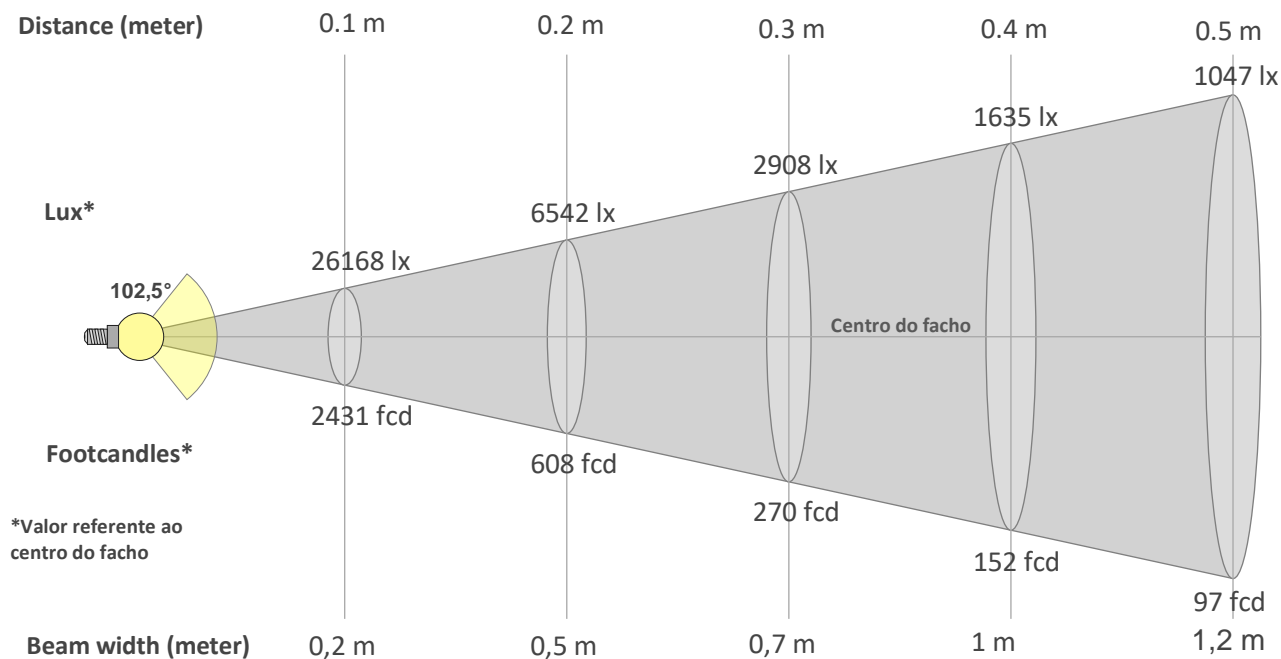
### Coeficiente de utilização

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
262lx	65lx	29lx	16lx	10lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
24,3fcd	6,1fcd	2,7fcd	1,5fcd	1fcd	0,7fcd	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

### 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°
262	258	257	248	238	225	208	188	166	143	117	91	68	46	29	18	9	2	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°
262	260	258	255	247	237	225	212	196	177	157	136	113	90	67	42	21	6	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

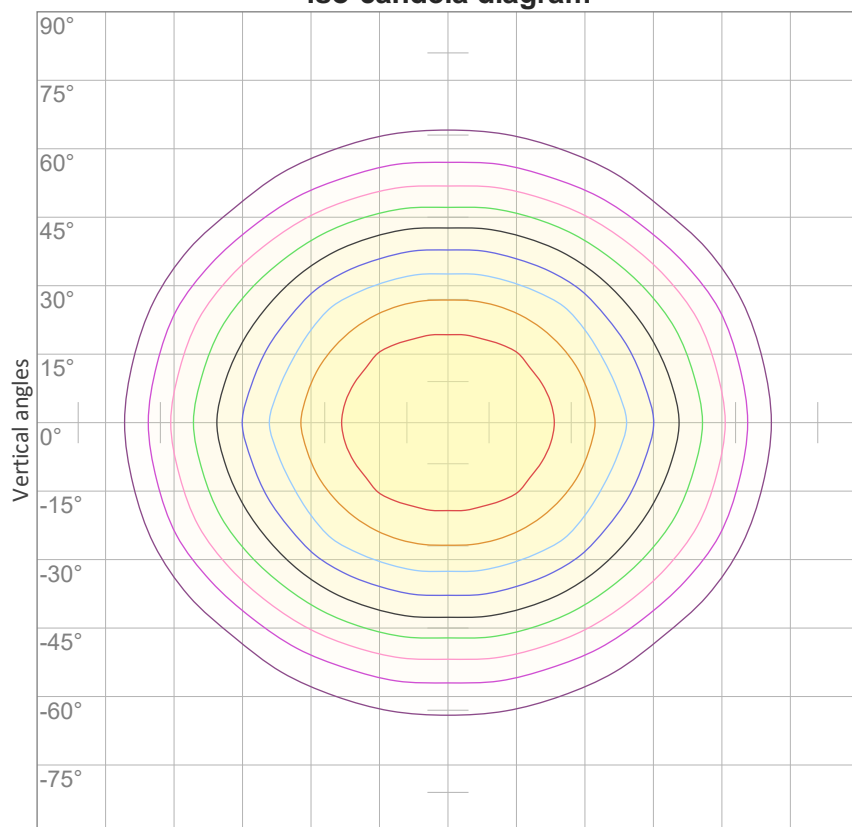
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
262	258	257	248	238	225	208	188	166	143	117	91	68	46	29	18	9	2	0	0
100%	99%	98%	95%	91%	86%	80%	72%	63%	55%	45%	35%	26%	18%	11%	7%	4%	1%	0%	0%

### 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°
262	260	258	255	247	237	225	212	196	177	157	136	113	90	67	42	21	6	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**



Horizontal angles

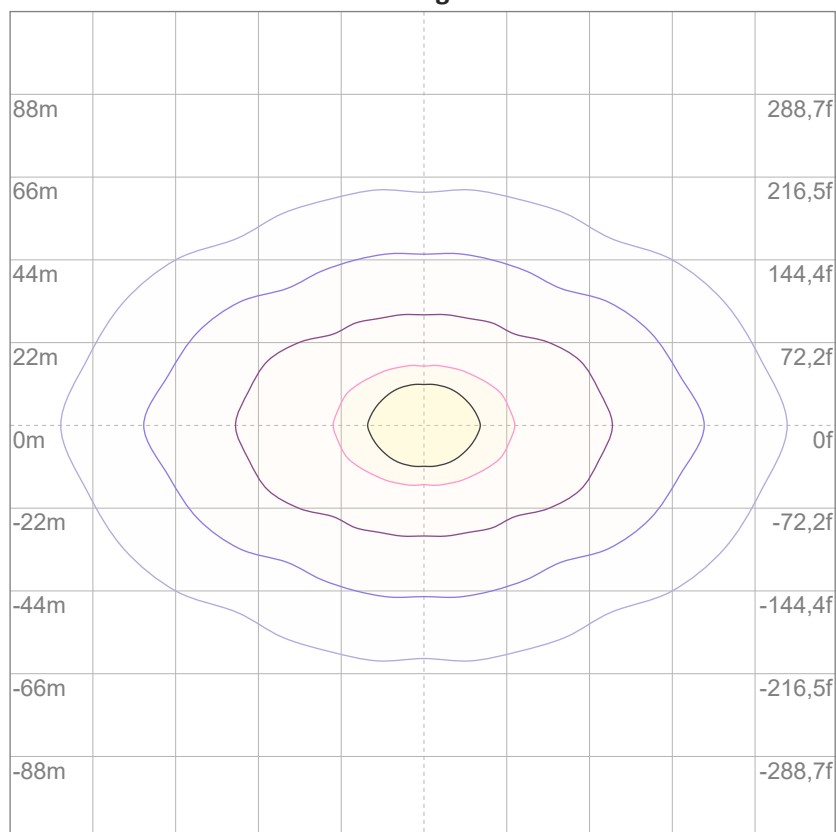
10%	26 cd
20%	52 cd
30%	79 cd
40%	105 cd
50%	131 cd
60%	157 cd
70%	183 cd
80%	209 cd
90%	236 cd

Conditions:

Number of c-planes: 16

Candela at center: 262 cd

**iso-lux diagram**



Mounting height: 10 meters

3%	78,5m lx
5%	0,131 lx
10%	0,262 lx
30%	0,785 lx
50%	1,31 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,62 lx

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

**Potência**



**Vttagem: 12,0 V**

**Corrente: 0,761 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**