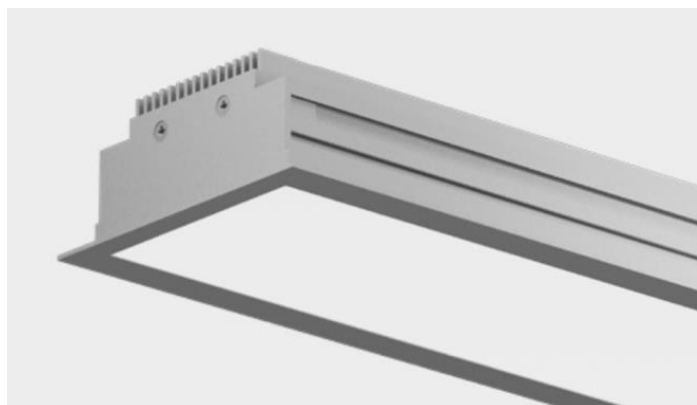


## SLED9113 E70 BARRA 2XM80B 3000K 80 1224mm



Fluxo luminoso – 7524 lm/m

Potência – 87,8 W/m

Intensidade pico – 2669cd

CCT – 2854K

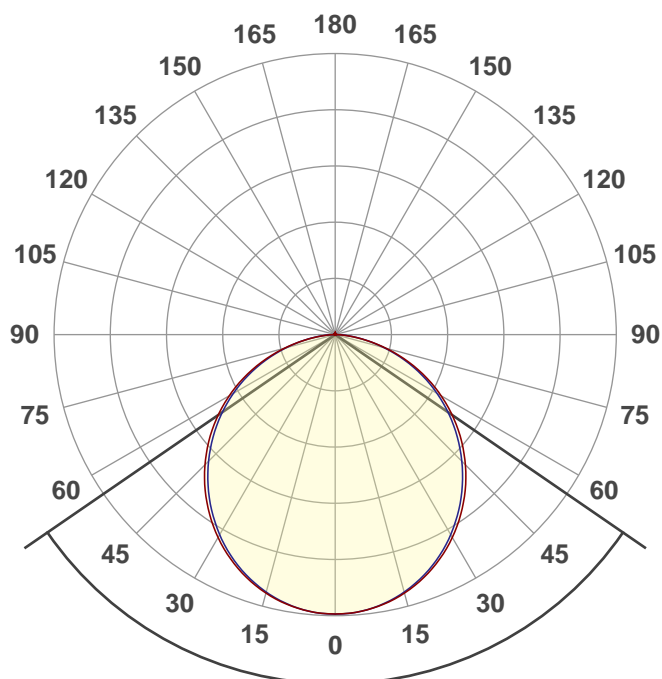


IRC – 83,5

Coordenada CIE 1931 – x- 0,445 y- 0,402

Data do ensaio

14/03/2023 11:30:40



Facho de abertura

**111°**

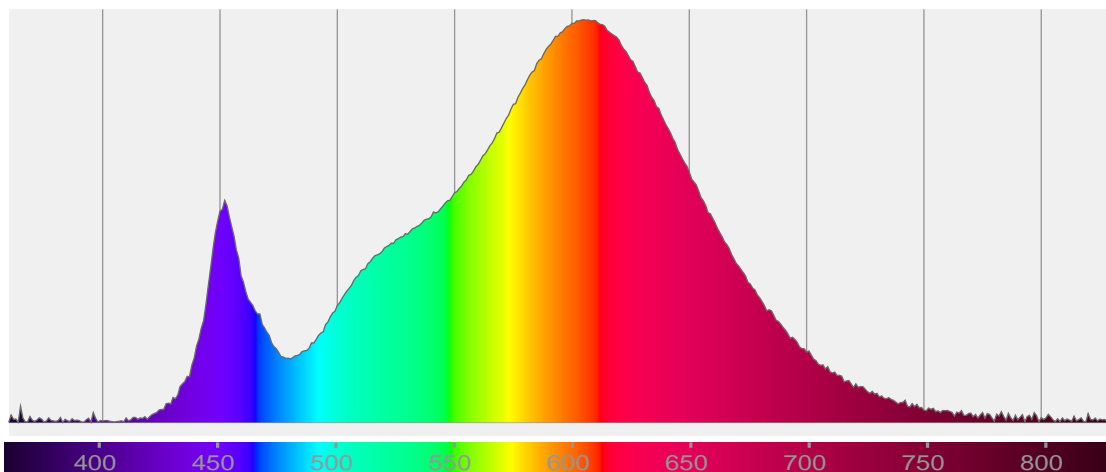
**Rf 84,9**

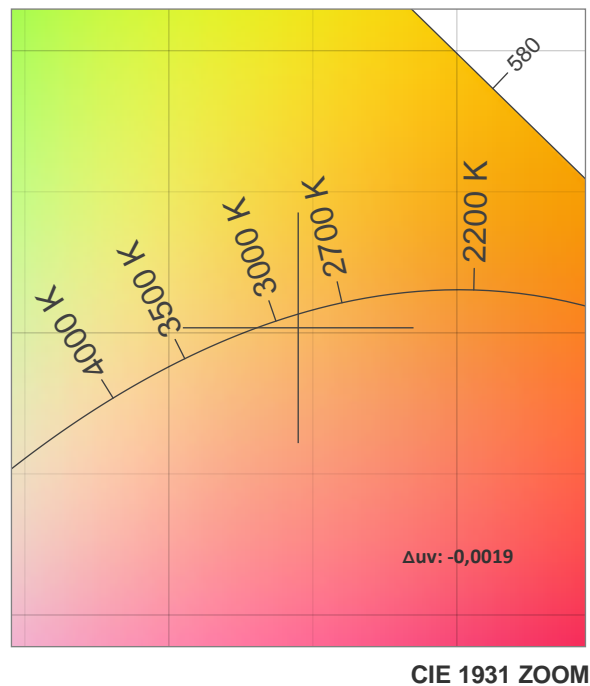
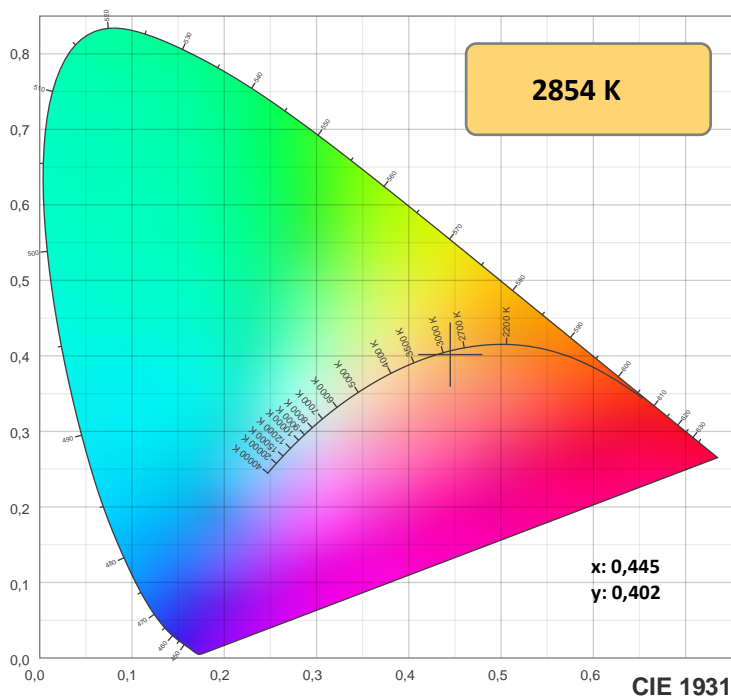
Fidelity index Rf

**Rg 97,0**

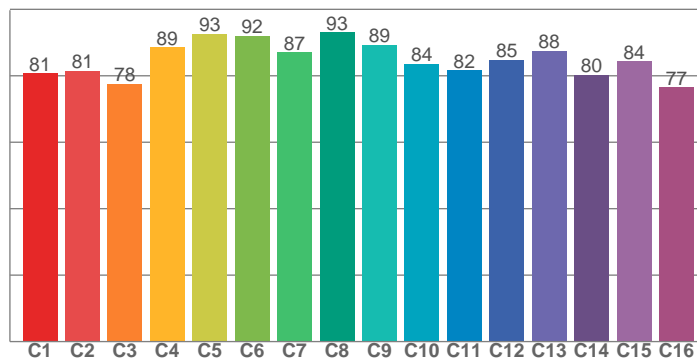
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%

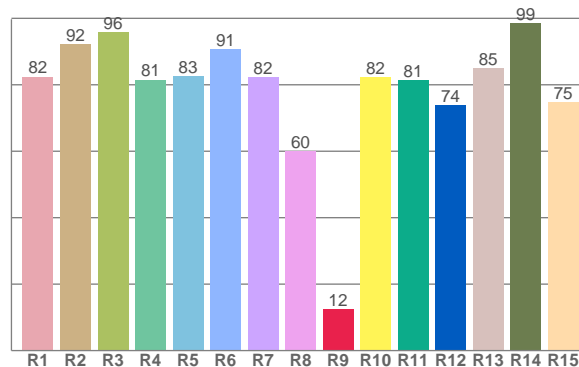




TM-30: 84,9



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,4	92,2	95,8	81,5	82,6	90,8	82,3	60,1	12,5	82,3	81,4	73,8	84,9	98,6	74,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	81,5	77,6	88,6	92,7	91,9	87,0	93,0	89,2	83,6	81,6	84,8	87,6	80,3	84,3	76,5

## 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
2854 K	83,5	12,5	84,9	97,0	82,1	0,445	0,402	0,257	0,348	-0,0019

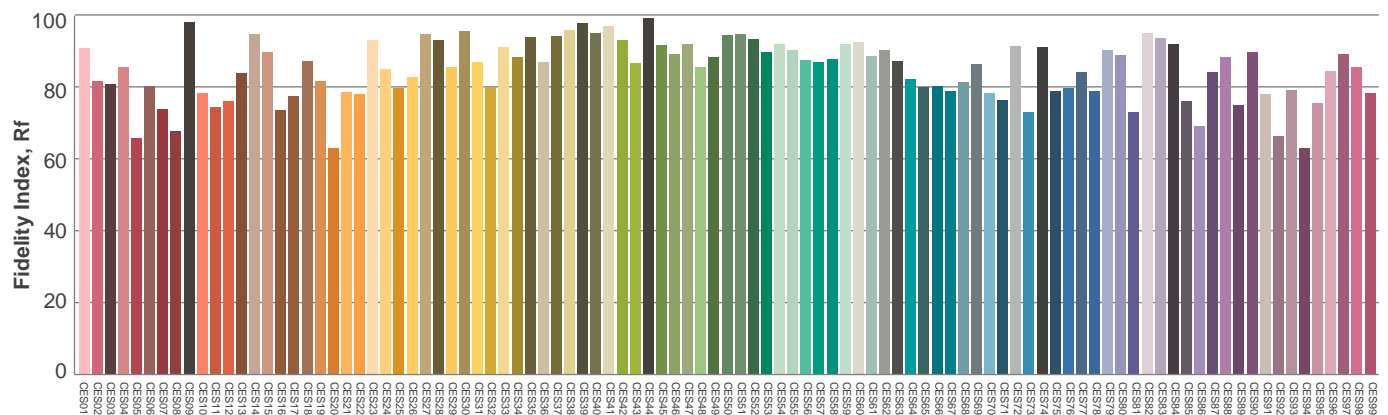
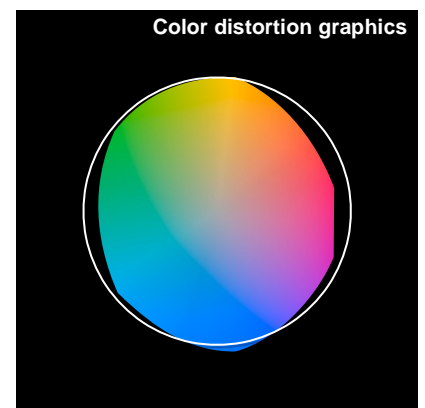
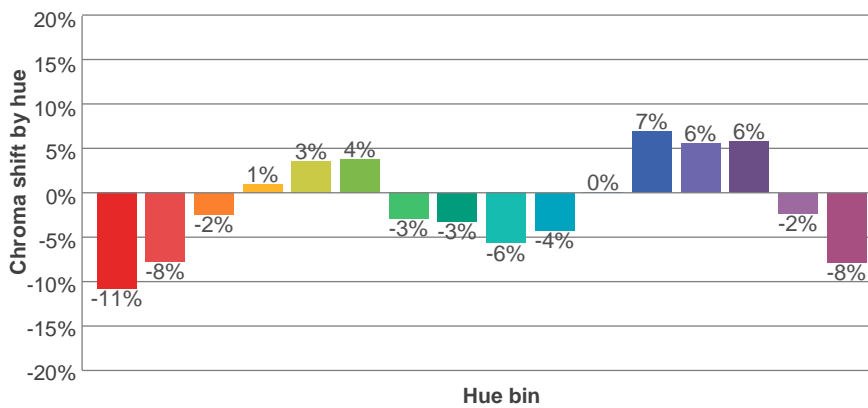
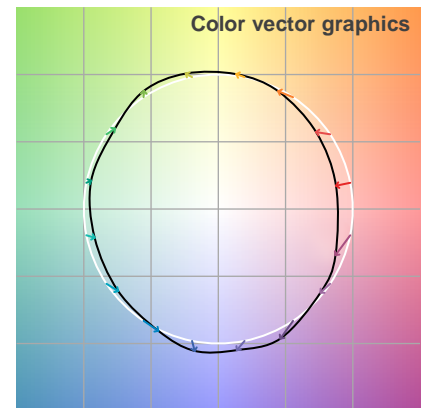
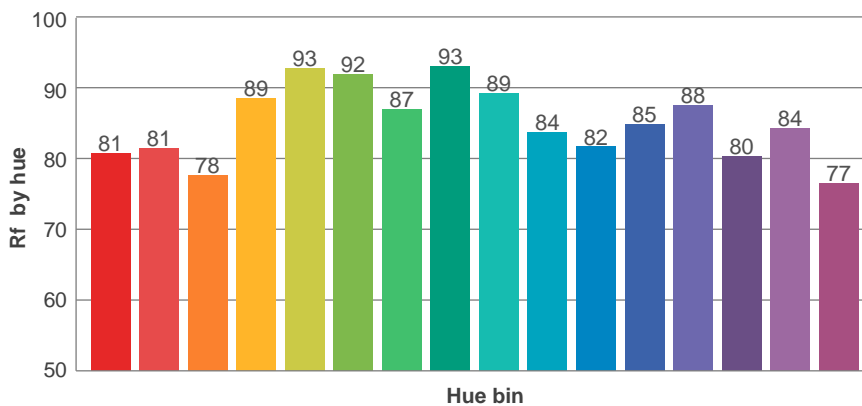
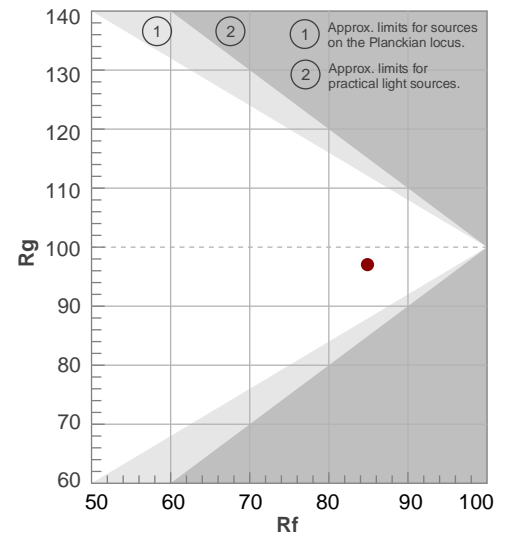
**Rf 84,9**

Fidelity index Rf

**Rg 97,0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%



**Glare Evaluation According to UGR**

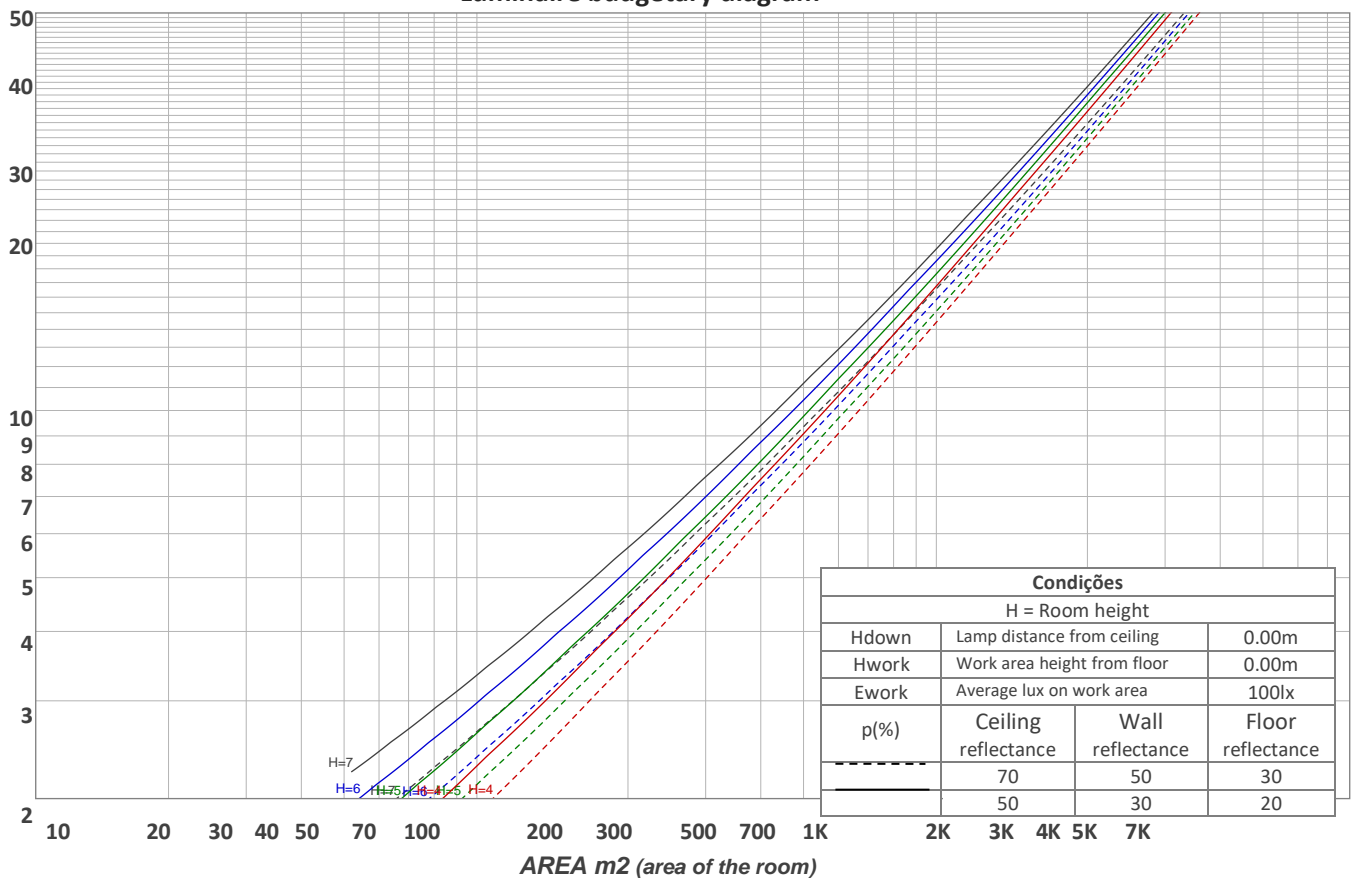
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	24,2	25,4	24,5	25,8	26,0	24,0	25,3	24,3	25,6	25,8
	3H	25,7	27,0	26,1	27,3	27,5	25,5	26,8	25,9	27,0	27,3
	4H	26,3	27,5	26,7	27,8	28,1	26,1	27,3	26,5	27,6	27,9
	6H	26,8	27,9	27,1	28,2	28,5	26,6	27,7	26,9	28,0	28,3
	8H	26,9	27,9	27,3	28,3	28,7	26,7	27,8	27,1	28,1	28,5
	12H	27,0	28,0	27,3	28,3	28,8	26,8	27,8	27,2	28,1	28,6
4H	2H	24,8	26,0	25,2	26,3	26,6	24,7	25,9	25,1	26,1	26,4
	3H	26,6	27,6	27,0	27,9	28,4	26,4	27,4	26,8	27,8	28,2
	4H	27,3	28,2	27,7	28,6	29,2	27,1	28,0	27,5	28,4	29,0
	6H	27,8	28,7	28,3	29,0	29,4	27,6	28,5	28,1	28,9	29,3
	8H	28,0	28,8	28,5	29,1	29,5	27,8	28,6	28,3	29,0	29,4
	12H	28,1	28,7	28,6	29,2	29,6	27,9	28,6	28,4	29,0	29,5
8H	4H	27,5	28,3	28,1	28,7	29,1	27,4	28,2	27,9	28,6	29,0
	6H	28,2	28,8	28,7	29,3	29,9	28,1	28,7	28,6	29,2	29,7
	8H	28,5	29,0	29,0	29,5	30,2	28,4	28,9	28,9	29,4	30,1
	12H	28,6	29,1	29,2	29,6	30,2	28,5	29,0	29,1	29,5	30,1
12H	4H	27,6	28,2	28,1	28,6	29,1	27,4	28,1	27,9	28,5	29,0
	6H	28,3	28,8	28,8	29,4	30,0	28,2	28,7	28,7	29,2	29,9
	8H	28,6	29,0	29,2	29,5	30,1	28,4	28,9	29,0	29,4	30,0
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,1 / -0,2					0,1 / -0,2				
S = 2.0H		0,4 / -0,5					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 7524 lm total luminous flux											

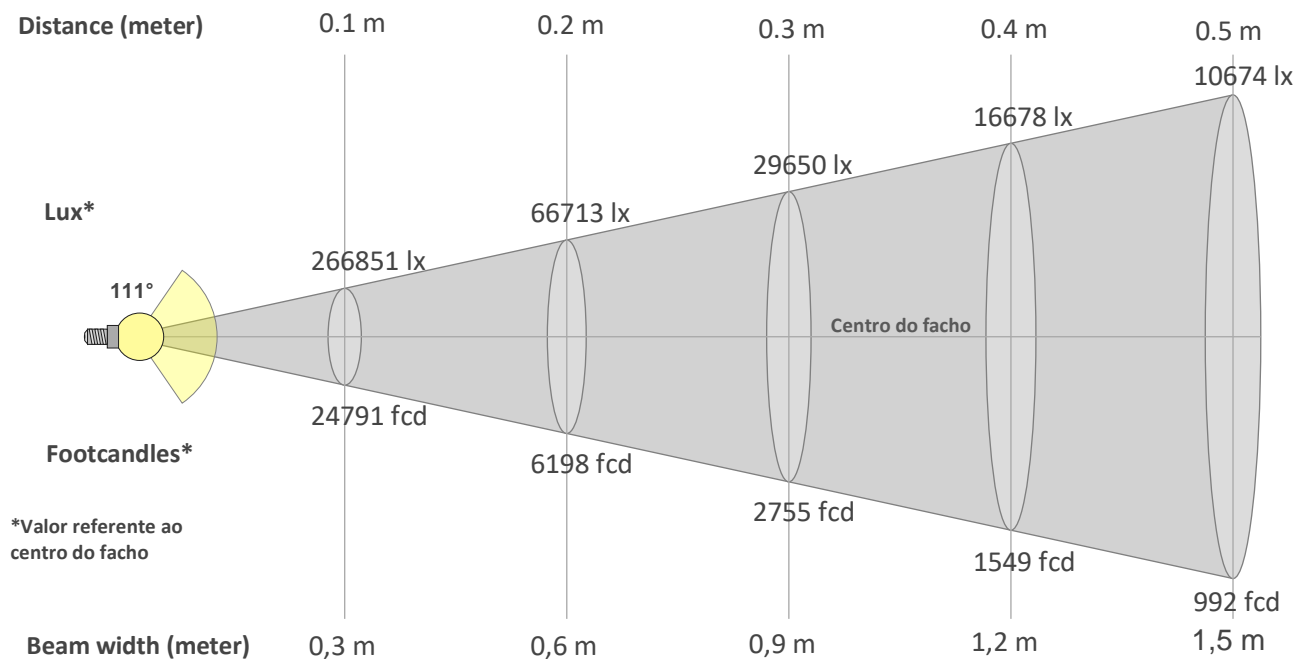
### Coeficiente de utilização

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	99
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	80	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	48	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	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
2669lx	667lx	297lx	167lx	107lx	74lx	54lx	42lx	33lx	27lx	22lx	19lx	16lx	14lx	12lx	10lx	9lx	8lx	7lx	7lx
247,9fcd	62fcd	27,5fcd	15,5fcd	9,9fcd	6,9fcd	5,1fcd	3,9fcd	3,1fcd	2,5fcd	2fcd	1,7fcd	1,5fcd	1,3fcd	1,1fcd	1fcd	0,9fcd	0,8fcd	0,7fcd	0,6fcd

### 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°
2669	2656	2618	2556	2471	2364	2237	2092	1933	1759	1573	1375	1168	951	727	501	286	110	11	4
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	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°
2669	2655	2613	2545	2454	2341	2207	2055	1888	1710	1523	1327	1123	913	698	484	286	117	12	3
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

### Intensities in 180° c-plane

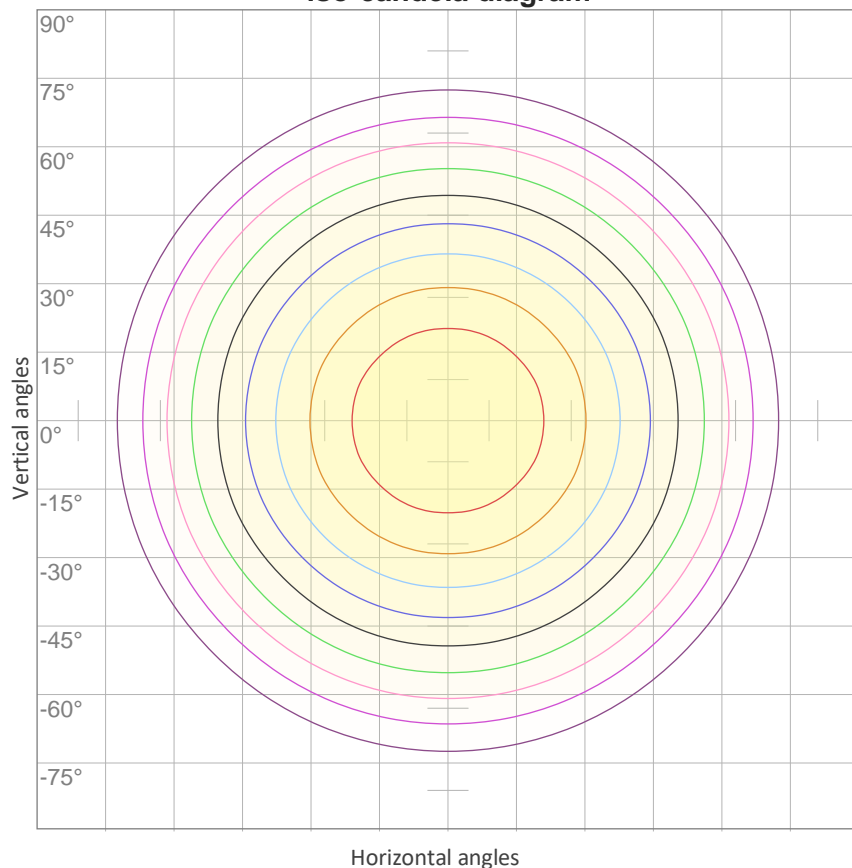
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
2669	2656	2618	2556	2471	2364	2237	2092	1933	1759	1573	1375	1168	951	727	501	286	110	11	4
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	0%	0%

### 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°
2669	2655	2613	2545	2454	2341	2207	2055	1888	1710	1523	1327	1123	913	698	484	286	117	12	3
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111°	161°	173,5°	78,4%	53,5%

**iso-candela diagram**



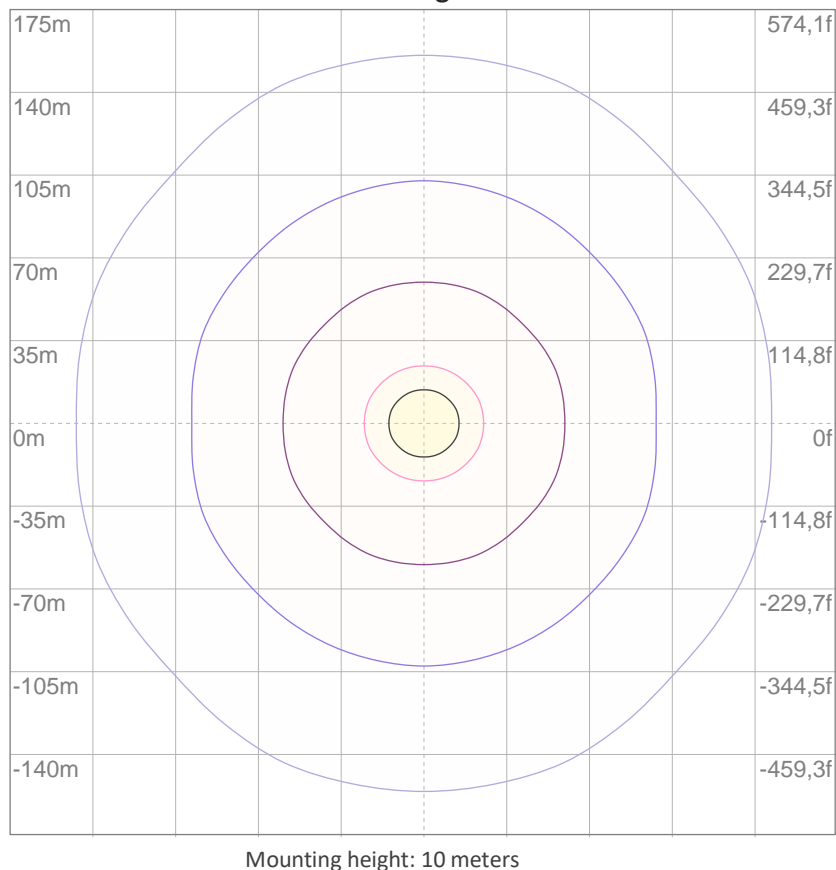
10%	267 cd
20%	534 cd
30%	801 cd
40%	1067 cd
50%	1334 cd
60%	1601 cd
70%	1868 cd
80%	2135 cd
90%	2402 cd

Conditions:

Number of c-planes: 16

Candela at center: 2669 cd

**iso-lux diagram**



3%	0,801 lx
5%	1,33 lx
10%	2,67 lx
30%	8,01 lx
50%	13,3 lx

Conditions:

Number of c-planes: 16

Lux at center: 26,7 lx

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

**Potência**


**Vttagem: 238 V**  
**Corrente: 0,368 A**  
**Frequência: 0 Hz**  
**FP: 0,57**

**THD**



**THD corrente: n/a**  
**THD tensão: n/a**