

## 9003 SLED9003U BRANCA FITA 20WM 3500K 95 - 1m



Luminária linear de sobrepor em forro de gesso ou Dry-wall 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 – 1216 lm/m

Potência – 20,6 W/m

Intensidade pico – 272cd

CCT – 3384K



IRC – 96,9

Coordenada CIE 1931 – x- 0,411 y- 0,392

A x L - 21x24

Peso - 0,18kg/m

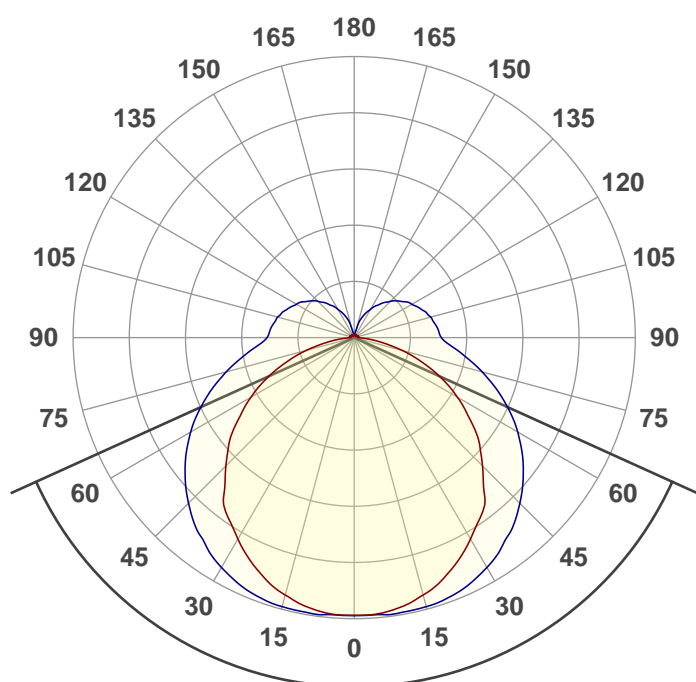
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

07/03/2022 17:12:54



Facho de abertura

**131,2°**

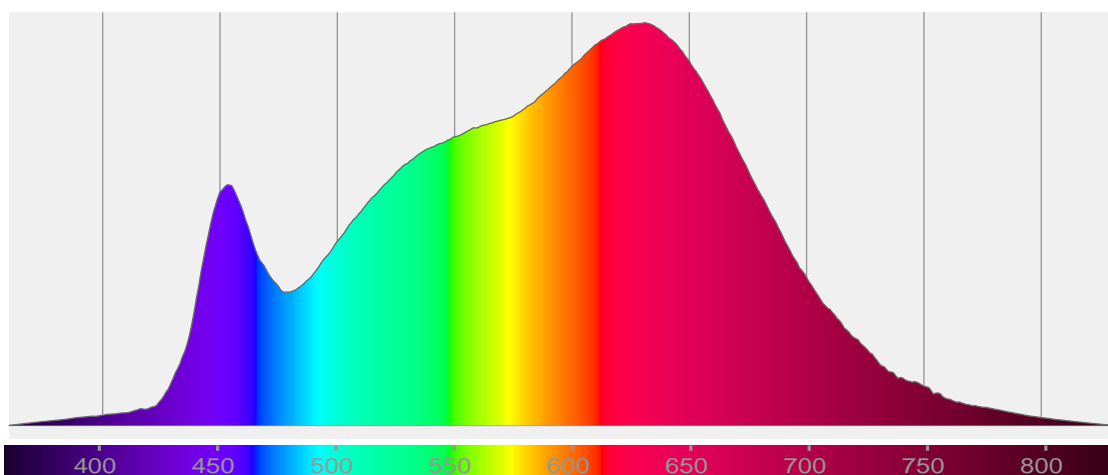
**Rf 94,0**

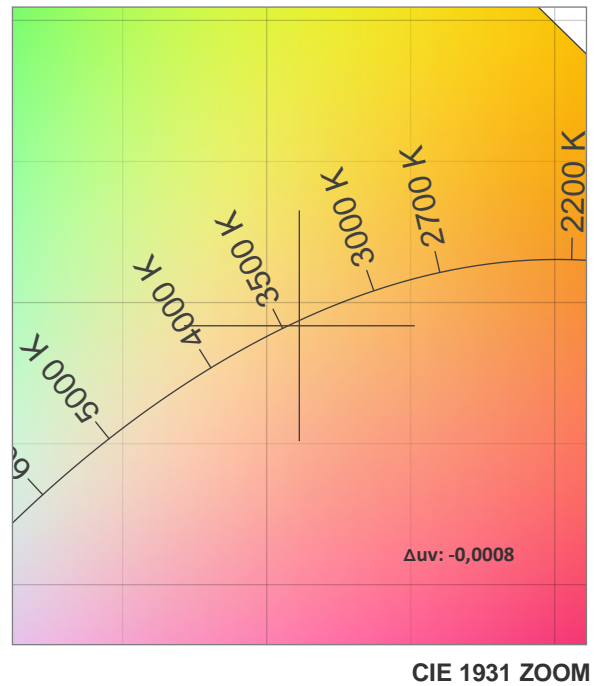
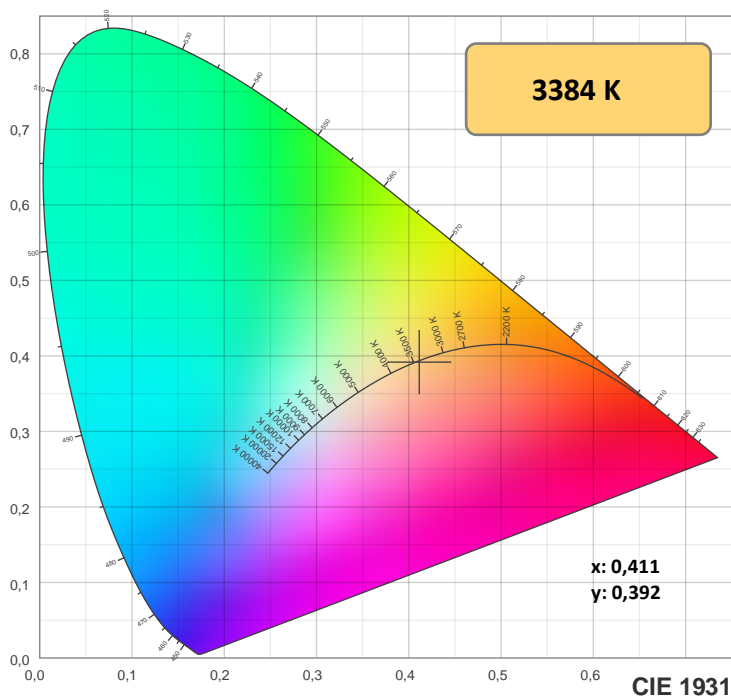
Fidelity index Rf

**Rg 100,6**

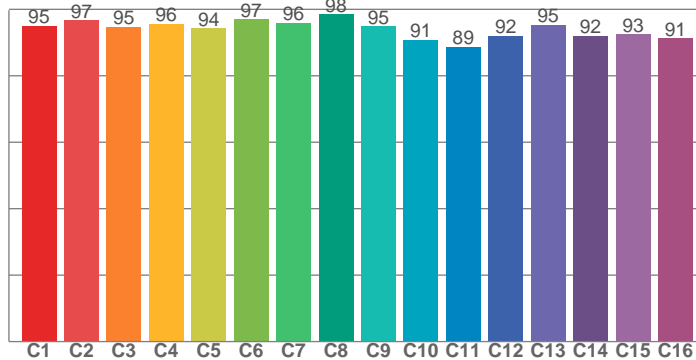
Gamut index Rg

		Shifts (%)	
Hue Bin	R <sub>f</sub>	Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-1%	1%
5	94	-2%	1%
6	97	1%	1%
7	96	-1%	1%
8	98	0%	0%
9	95	-1%	3%
10	91	-1%	6%
11	89	2%	7%
12	92	5%	2%
13	95	2%	-2%
14	92	5%	-4%
15	93	1%	-4%
16	91	0%	-5%

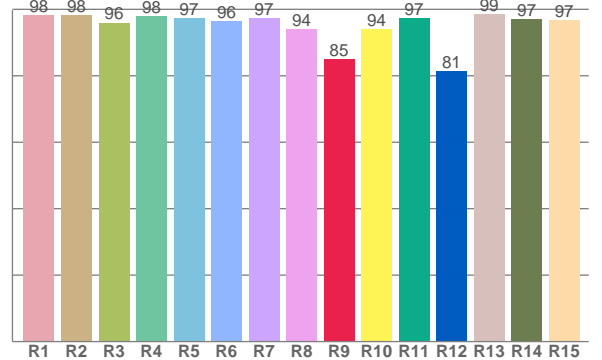




TM-30: 94,0



CRI: 96,9 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,3	98,3	96,0	97,9	97,3	96,4	97,2	94,0	85,0	94,1	97,4	81,4	98,6	96,9	96,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,6	94,8	95,6	94,3	97,0	96,0	98,5	94,9	90,8	88,7	92,0	95,3	92,0	92,5	91,2

## 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
3384 K	96,9	85,0	94,0	100,6	94,8	0,411	0,392	0,239	0,342	-0,0008

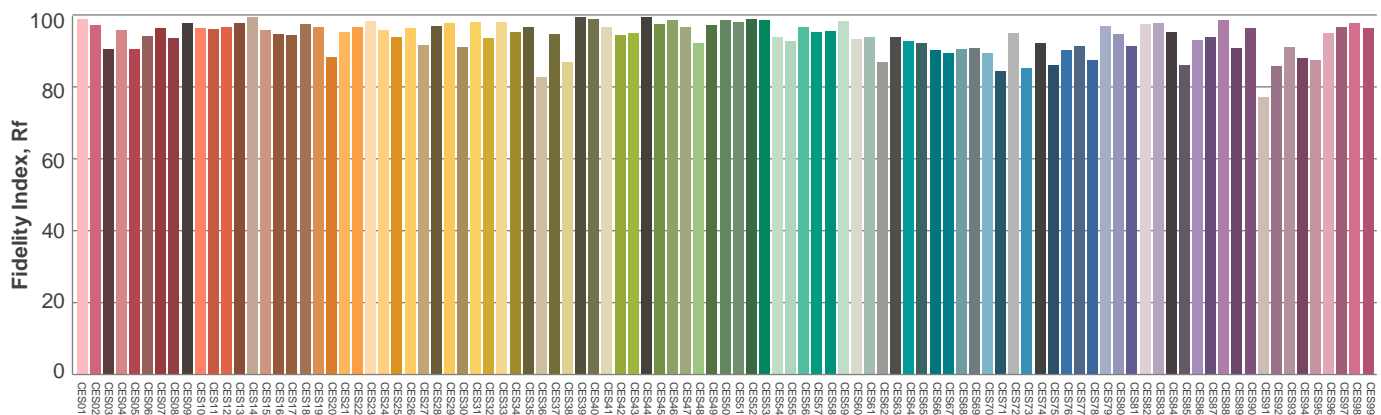
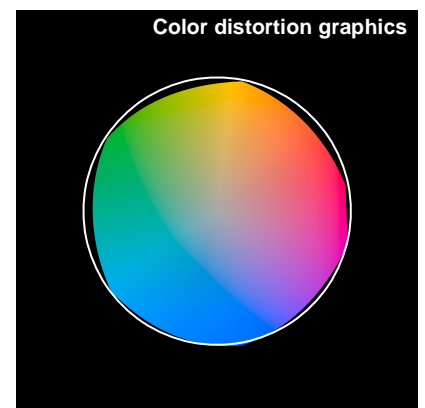
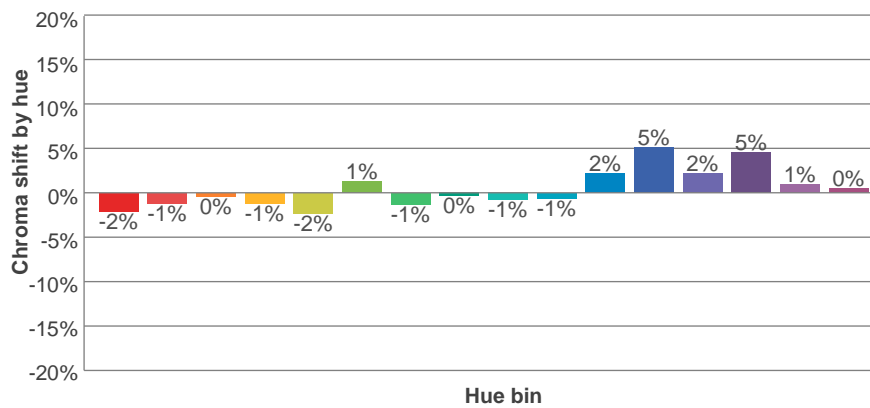
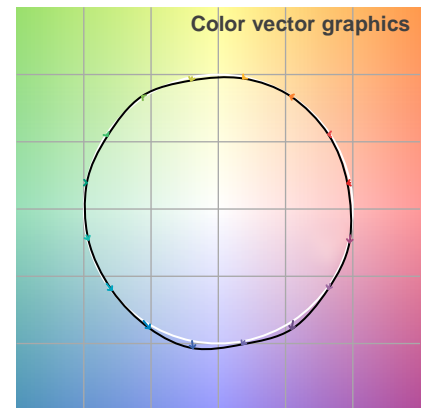
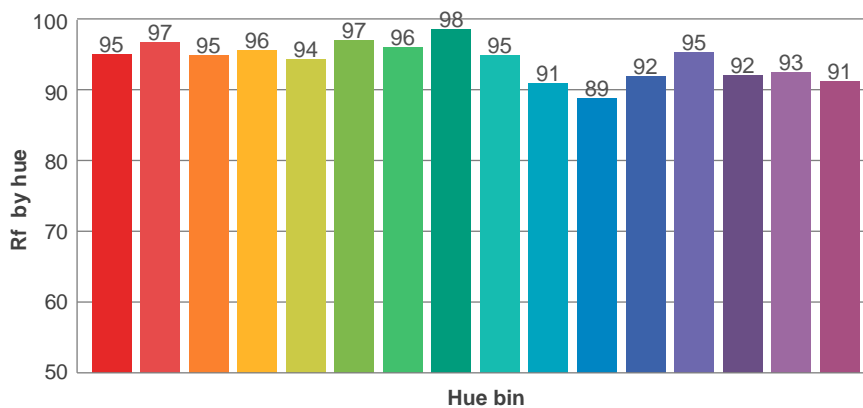
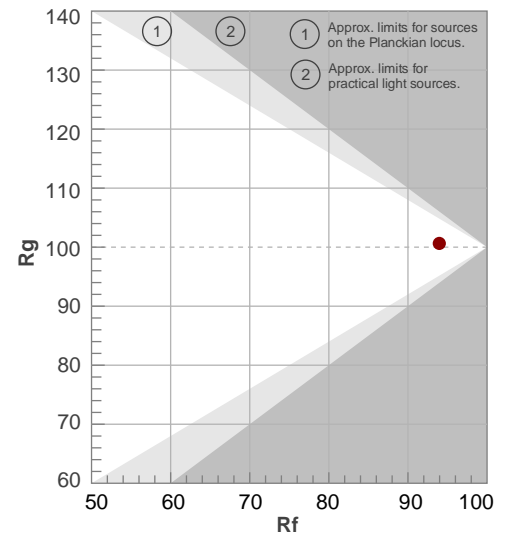
**Rf 94,0**

Fidelity index Rf

**Rg 100,6**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	1%
3	95	0%	2%
4	96	-1%	1%
5	94	-2%	1%
6	97	1%	1%
7	96	-1%	1%
8	98	0%	0%
9	95	-1%	3%
10	91	-1%	6%
11	89	2%	7%
12	92	5%	2%
13	95	2%	-2%
14	92	5%	-4%
15	93	1%	-4%
16	91	0%	-5%



Avaliação todas as amostras de cores

**Glare Evaluation According to UGR**

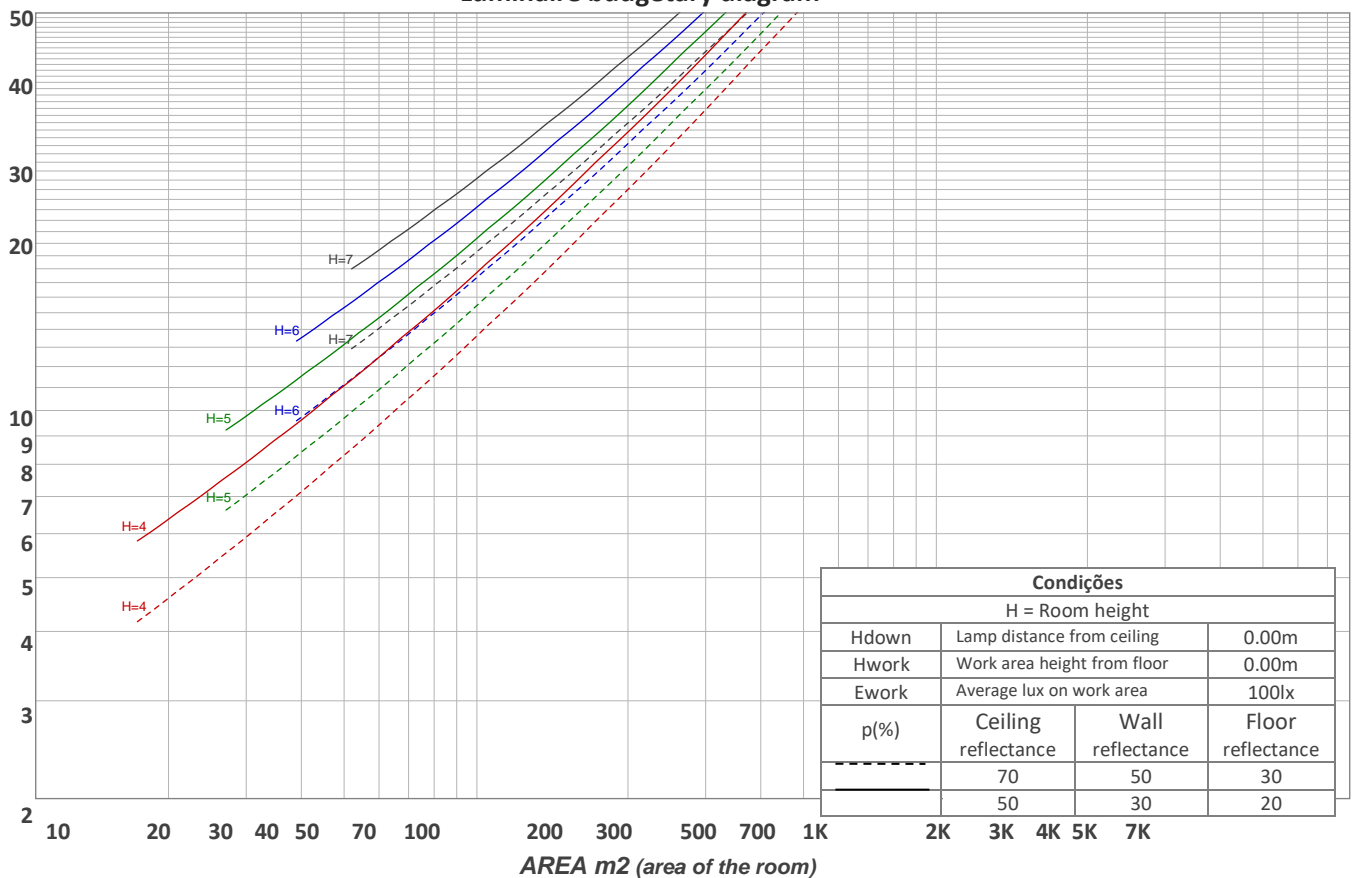
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	18,1	19,3	18,7	19,8	20,4	20,8	21,9	21,3	22,5	23,1
	3H	19,3	20,4	19,9	21,0	21,5	23,1	24,2	23,7	24,8	25,4
	4H	19,7	20,7	20,3	21,3	21,9	24,3	25,4	25,0	26,0	26,6
	6H	19,9	20,9	20,5	21,5	22,2	25,7	26,6	26,3	27,2	27,9
	8H	20,0	20,9	20,6	21,5	22,2	26,4	27,3	27,0	27,9	28,6
	12H	20,0	20,9	20,6	21,5	22,2	27,2	28,1	27,8	28,7	29,4
4H	2H	19,2	20,2	19,8	20,8	21,4	21,2	22,2	21,8	22,8	23,4
	3H	20,6	21,6	21,2	22,1	22,9	23,8	24,7	24,4	25,3	26,0
	4H	21,1	22,1	21,8	22,6	23,4	25,1	26,1	25,7	26,6	27,4
	6H	21,4	22,2	22,2	22,9	23,6	26,5	27,3	27,3	28,0	28,7
	8H	21,5	22,2	22,2	22,9	23,6	27,3	28,0	28,1	28,7	29,4
	12H	21,6	22,1	22,3	22,9	23,6	28,2	28,8	29,0	29,5	30,3
8H	4H	21,9	22,6	22,6	23,2	23,9	25,2	25,9	25,9	26,6	27,3
	6H	22,4	23,0	23,2	23,7	24,5	26,9	27,4	27,6	28,2	29,0
	8H	22,6	23,1	23,4	23,9	24,8	27,8	28,3	28,6	29,1	30,0
	12H	22,8	23,2	23,5	23,9	24,8	28,9	29,3	29,7	30,1	31,0
12H	4H	22,1	22,6	22,8	23,3	24,1	25,2	25,8	25,9	26,5	27,3
	6H	22,8	23,3	23,5	24,0	24,9	26,9	27,4	27,7	28,2	29,1
	8H	23,1	23,5	23,9	24,2	25,1	27,9	28,3	28,7	29,1	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		0,2 / -0,3					0,2 / -0,2				
S = 2.0H		0,4 / -0,7					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1216 lm total luminous flux											

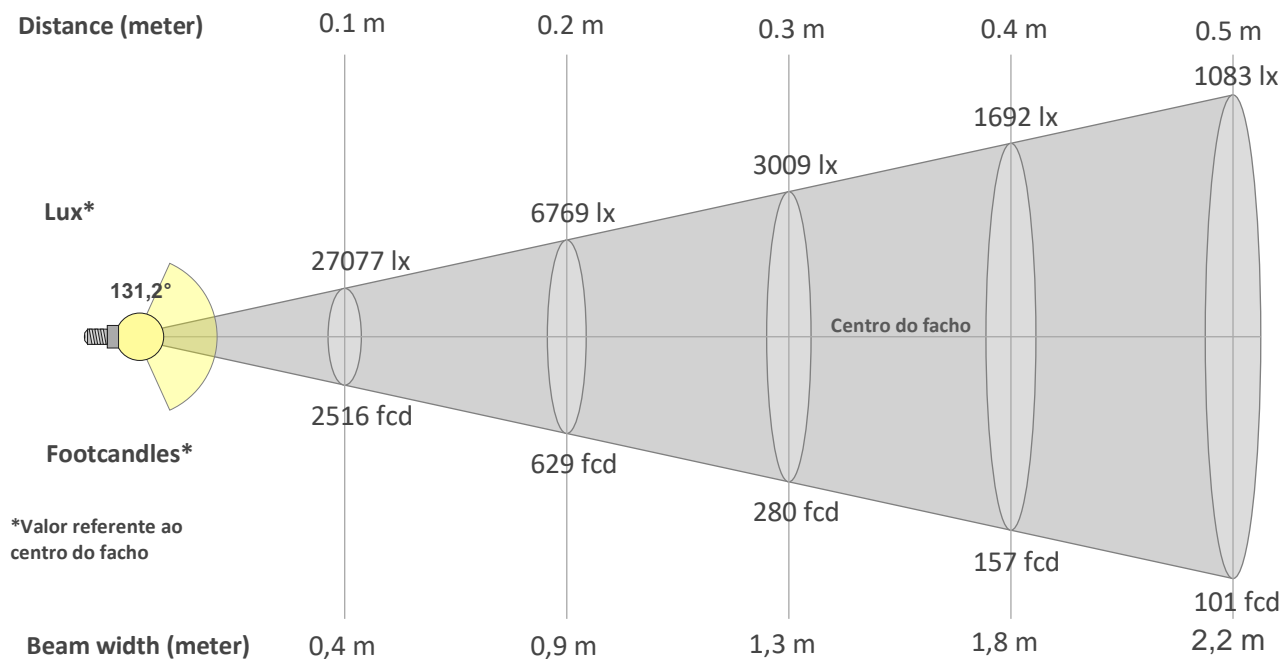
**Coeficiente de utilização**

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	102	97	92	87	98	93	88	84	85	81	78	78	75	72	71	69	67	63
2	92	83	76	69	88	80	73	67	73	67	62	67	62	58	61	57	54	51
3	83	72	63	57	79	69	61	55	63	57	51	58	53	48	53	49	45	42
4	76	63	54	47	72	61	52	46	56	49	43	51	45	41	47	42	38	35
5	70	56	47	40	66	54	45	39	50	42	37	46	40	35	42	37	33	30
6	64	50	41	35	61	48	40	34	45	37	32	41	35	30	38	33	28	26
7	59	45	37	30	56	44	35	30	41	33	28	37	31	27	35	29	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	32	26	22	20
9	51	38	29	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	34	26	21	31	25	20	29	23	19	27	22	18	16

**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
271lx	68lx	30lx	17lx	11lx	8lx	6lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
25,2fcd	6,3fcd	2,8fcd	1,6fcd	1fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	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°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
271	267	255	235	212	177	142	103	62	24	4	4	4	4	3	3	3	2	3	2
100%	99%	94%	87%	78%	65%	52%	38%	23%	9%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

### Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
271	272	271	263	248	228	203	174	140	108	85	80	75	68	60	50	39	28	17	4
100%	100%	100%	97%	91%	84%	75%	64%	52%	40%	31%	30%	28%	25%	22%	18%	14%	10%	6%	2%

### Intensities in 180° c-plane

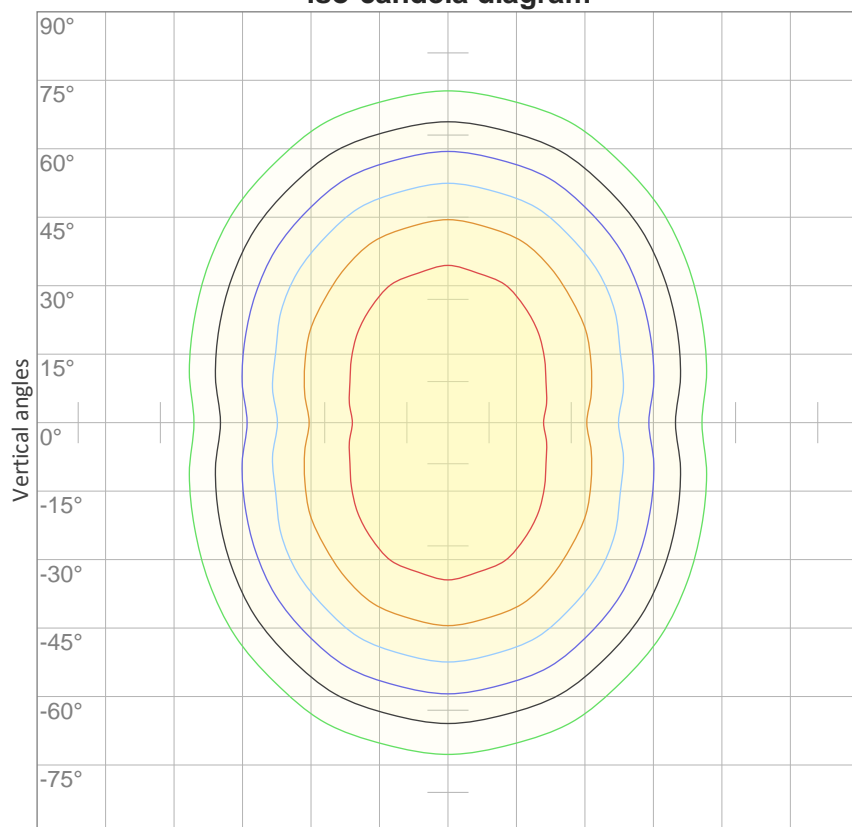
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
271	267	255	235	212	177	142	103	62	24	4	4	4	4	3	3	3	2	3	2
100%	99%	94%	87%	78%	65%	52%	38%	23%	9%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

### Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
271	272	271	263	248	228	203	174	140	108	85	80	75	68	60	50	39	28	17	4
100%	100%	100%	97%	91%	84%	75%	64%	52%	40%	31%	30%	28%	25%	22%	18%	14%	10%	6%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
131,2°	257,1°	305,9°	56,0%	36,5%

**iso-candela diagram**



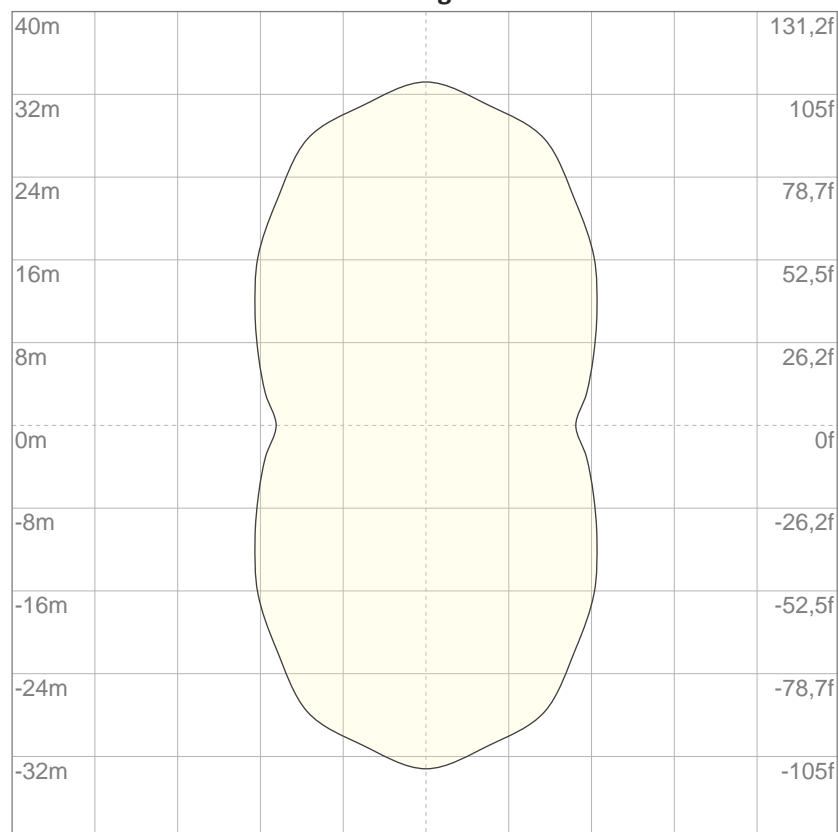
10%	27 cd
20%	54 cd
30%	81 cd
40%	108 cd
50%	135 cd
60%	162 cd
70%	190 cd
80%	217 cd
90%	244 cd

Conditions:

Number of c-planes: 16

Candela at center: 271 cd

**iso-lux diagram**



3%	81,2m lx
5%	0,135 lx
10%	0,271 lx
30%	0,812 lx
50%	1,35 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,71 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,72 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**