

## 9002N SLED9002N BRANCA FITA 20WM 2700K 95 - 1m



Luminária linear de embutir 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 – 628 lm/m

Potência – 20,2 W/m

Intensidade pico – 245cd

CCT – 2696K



IRC – 96,4

Coordenada CIE 1931 – x- 0,463 y- 0,415

A x L - 31x29

Peso - 0,35kg/m

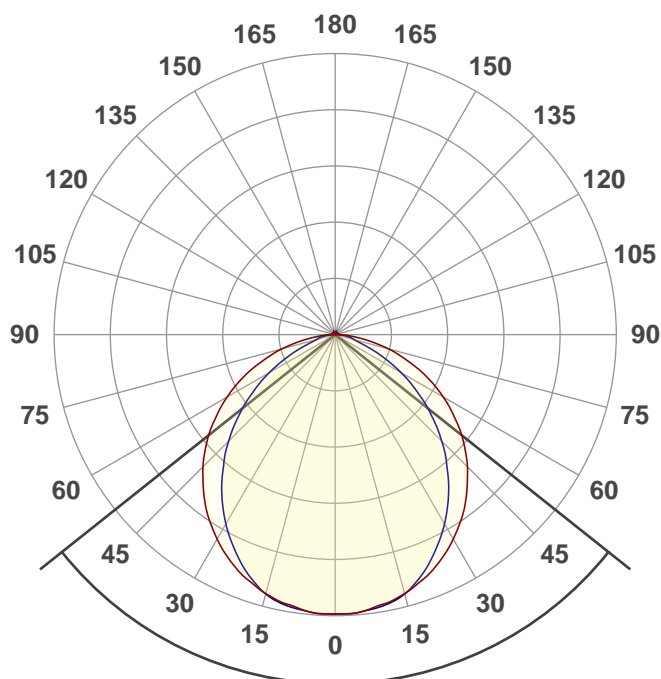
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

09/03/2022 09:53:50



Facho de abertura

**103°**

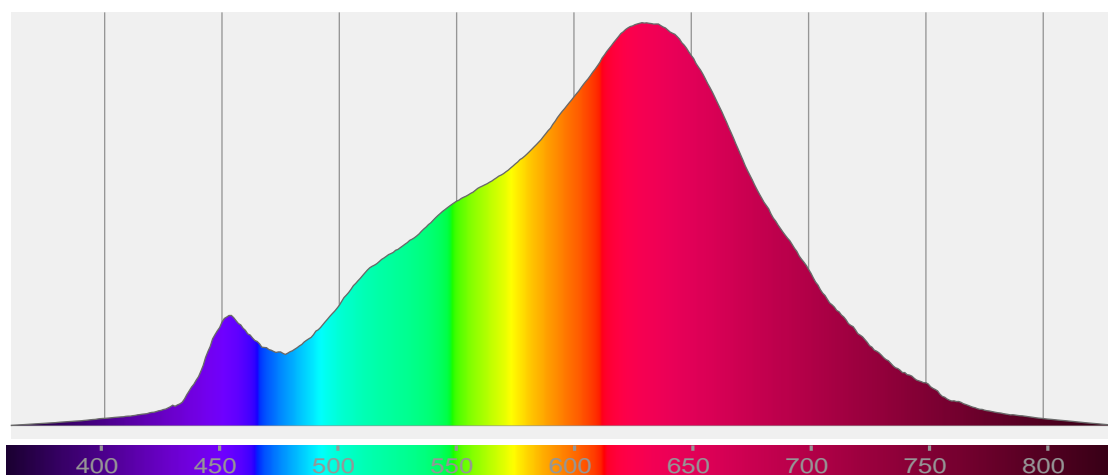
**Rf 95,1**

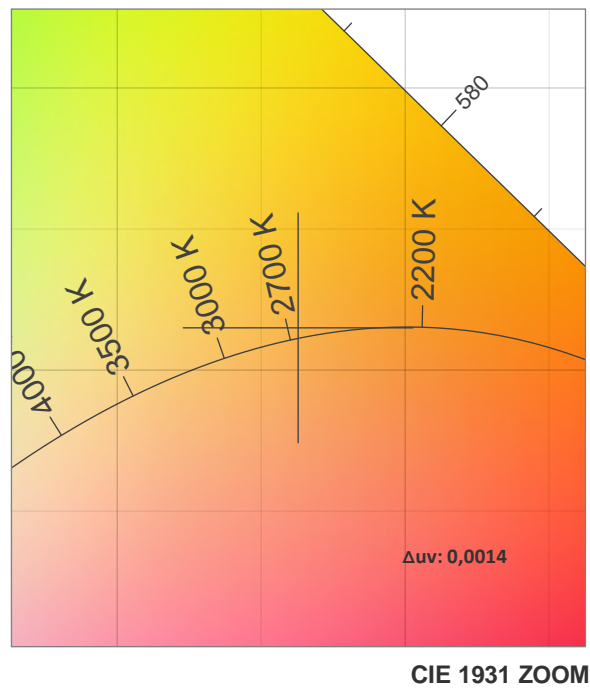
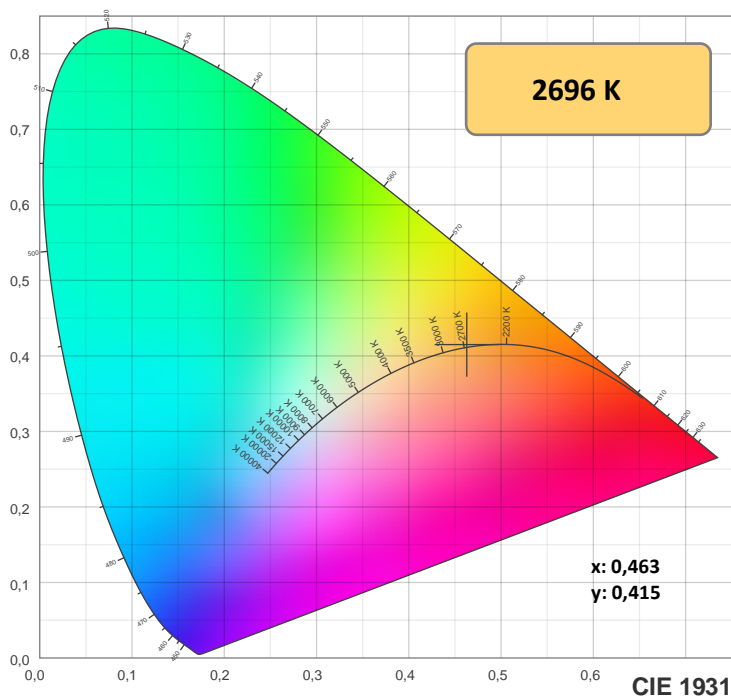
Fidelity index Rf

**Rg 99,4**

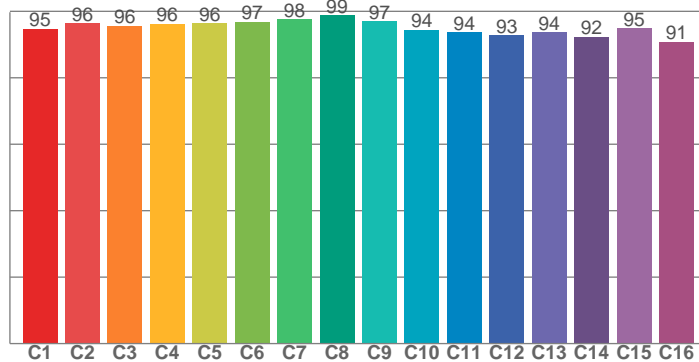
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-2%	1%
3	96	-1%	2%
4	96	-2%	0%
5	96	-1%	2%
6	97	1%	2%
7	98	-1%	0%
8	99	0%	1%
9	97	-1%	2%
10	94	0%	4%
11	94	1%	5%
12	93	3%	-1%
13	94	2%	-5%
14	92	2%	-6%
15	95	-1%	-2%
16	91	-1%	-7%

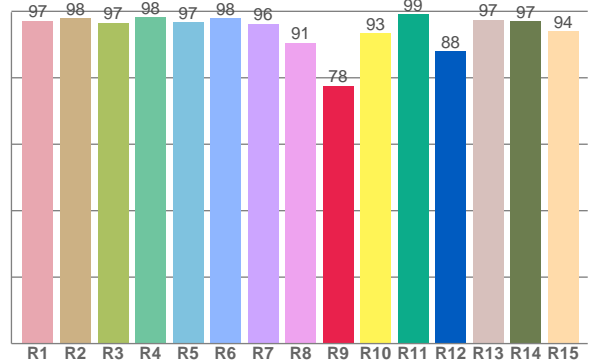




TM-30: 95,1



CRI: 96,4 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,2	97,8	96,6	98,1	96,7	98,0	96,2	90,6	77,6	93,5	99,1	88,0	97,4	97,0	93,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,8	96,4	95,6	96,3	96,4	96,8	97,6	98,7	96,9	94,3	93,6	92,7	93,7	92,3	94,9	90,8

## 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	$\Delta uv$
2696 K	96,4	77,6	95,1	99,4	93,9	0,463	0,415	0,262	0,353	0,0014

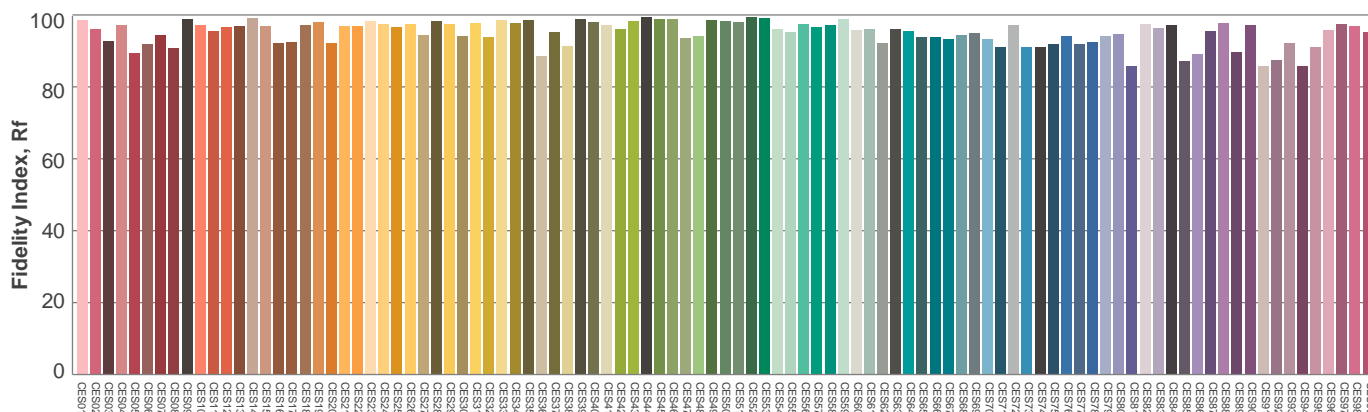
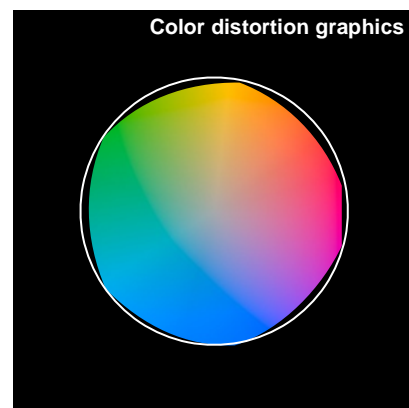
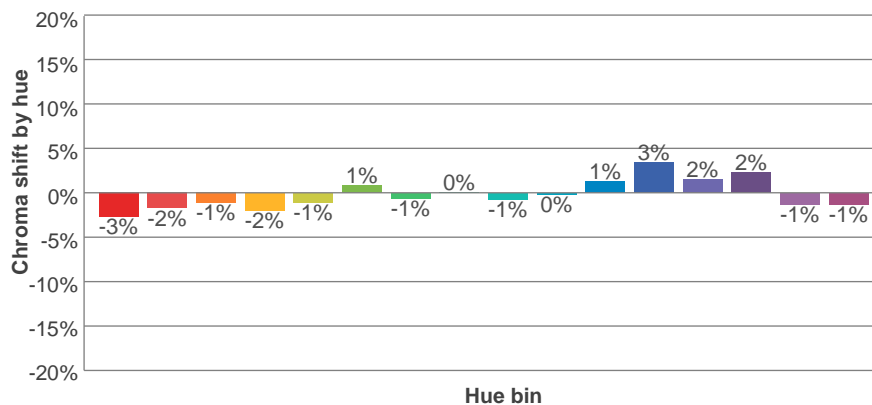
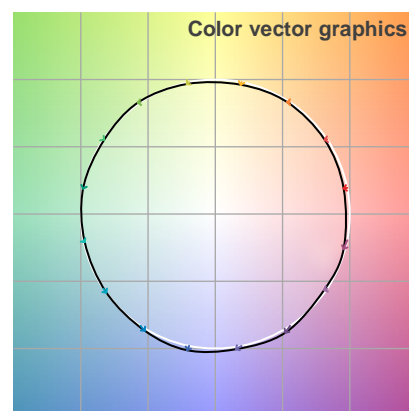
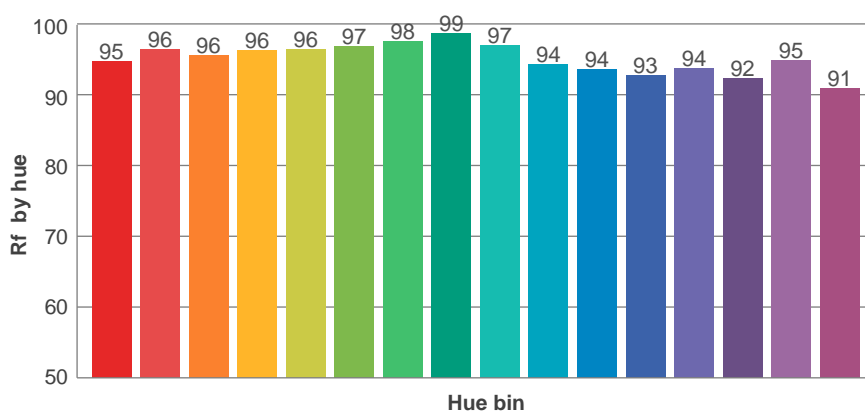
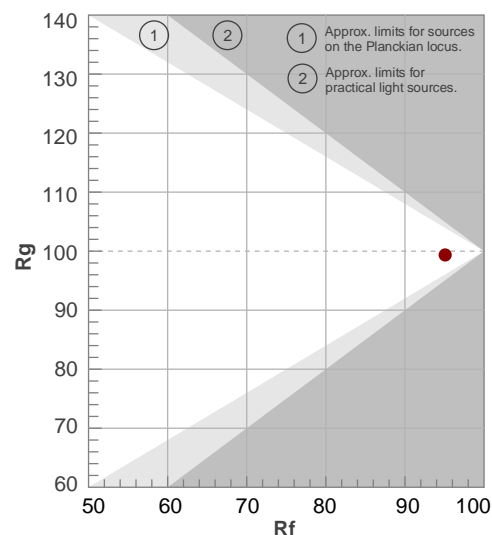
**Rf 95,1**

Fidelity index Rf

**Rg 99,4**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	95	-3%	0%
2	96	-2%	1%
3	96	-1%	2%
4	96	-2%	0%
5	96	-1%	2%
6	97	1%	2%
7	98	-1%	0%
8	99	0%	1%
9	97	-1%	2%
10	94	0%	4%
11	94	1%	5%
12	93	3%	-1%
13	94	2%	-5%
14	92	2%	-6%
15	95	-1%	-2%
16	91	-1%	-7%



Avaliação todas as amostras de cores

**Glare Evaluation According to UGR**

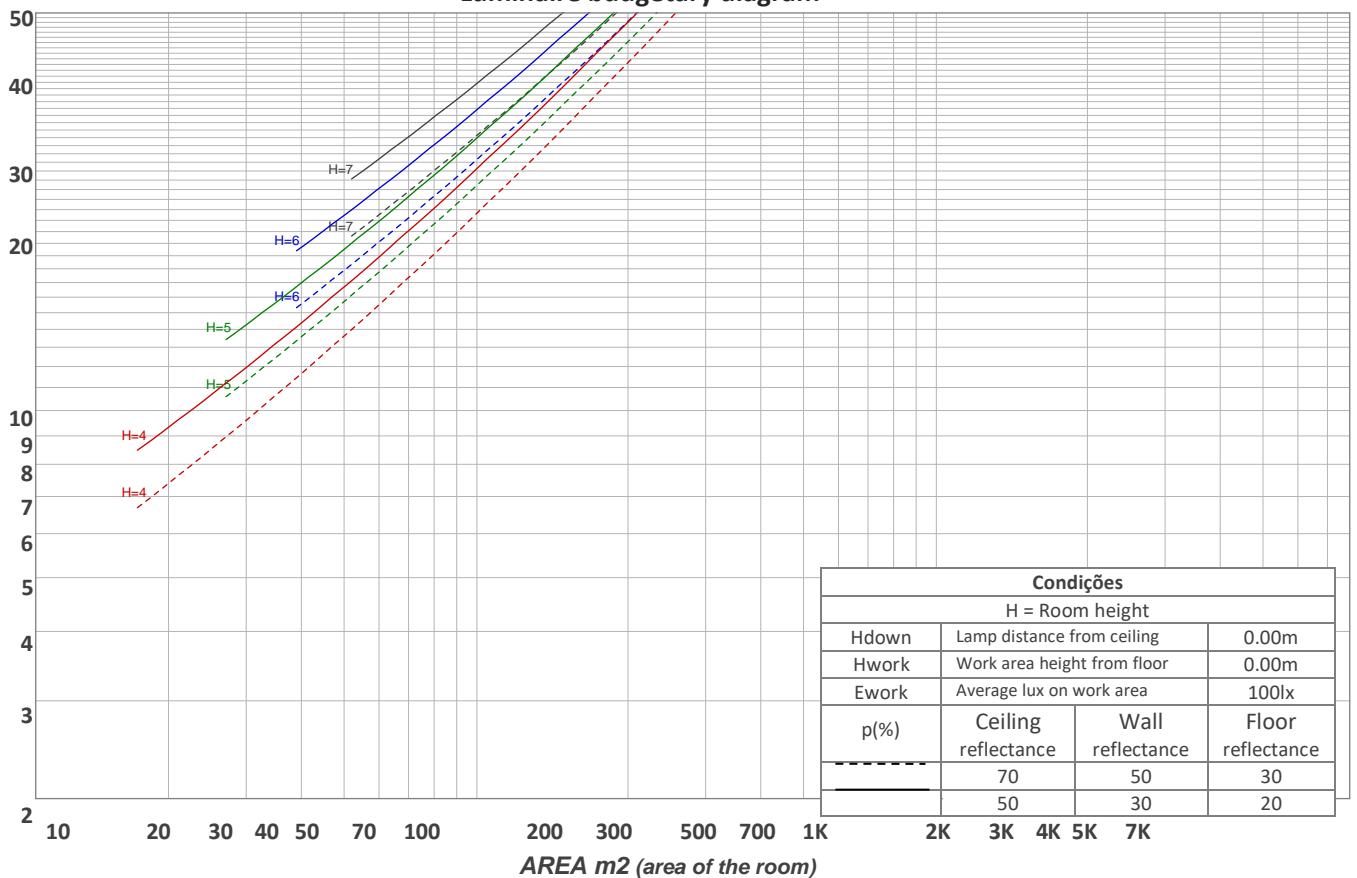
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	26,7	27,8	26,9	28,1	28,4	24,8	25,9	25,0	26,2	26,5
	3H	28,1	29,3	28,6	29,6	29,9	25,4	26,5	25,8	26,8	27,1
	4H	28,8	29,9	29,2	30,2	30,5	25,6	26,7	26,0	27,0	27,3
	6H	29,3	30,3	29,6	30,6	31,0	25,8	26,8	26,1	27,1	27,5
	8H	29,4	30,4	29,8	30,7	31,2	25,9	26,8	26,2	27,2	27,6
	12H	29,5	30,4	29,9	30,8	31,3	25,9	26,9	26,3	27,2	27,7
4H	2H	27,0	28,1	27,4	28,4	28,7	25,4	26,5	25,8	26,8	27,1
	3H	28,7	29,7	29,1	30,0	30,5	26,3	27,2	26,7	27,6	28,0
	4H	29,4	30,2	29,8	30,7	31,2	26,4	27,3	26,9	27,7	28,3
	6H	29,9	30,7	30,4	31,1	31,5	26,7	27,5	27,2	27,9	28,3
	8H	30,1	30,8	30,6	31,2	31,7	26,8	27,6	27,3	28,0	28,4
	12H	30,2	30,9	30,8	31,3	31,8	26,9	27,5	27,4	28,0	28,5
8H	4H	29,4	30,1	29,9	30,5	31,0	26,7	27,4	27,2	27,8	28,2
	6H	30,0	30,6	30,6	31,1	31,7	27,1	27,6	27,6	28,1	28,7
	8H	30,3	30,8	30,8	31,3	32,0	27,3	27,8	27,8	28,3	29,0
	12H	30,5	30,9	31,1	31,4	32,1	27,4	27,8	28,0	28,4	29,0
12H	4H	29,4	30,0	29,9	30,4	30,9	26,7	27,3	27,2	27,8	28,3
	6H	30,1	30,5	30,6	31,1	31,8	27,1	27,6	27,7	28,2	28,8
	8H	30,3	30,7	30,9	31,2	31,9	27,4	27,8	28,0	28,3	28,9
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,2 / -0,2				
S = 1.5H		0,2 / -0,2					0,4 / -0,7				
S = 2.0H		0,6 / -0,7					0,9 / -1,4				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 628 lm total luminous flux											

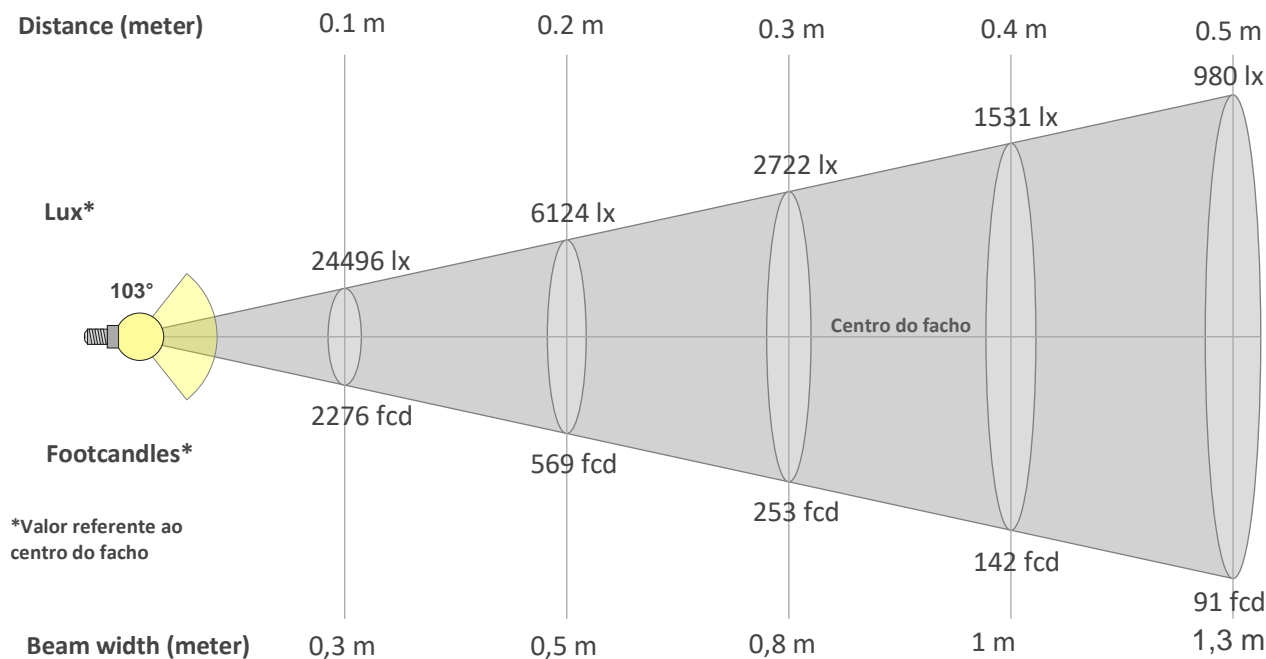
### Coeficiente de utilização

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	110	110	110	105	105	105	100	100	100	98
1	109	105	101	97	106	102	99	95	98	95	92	94	91	89	90	88	86	84
2	100	92	86	80	97	90	84	79	86	81	77	83	79	75	79	76	73	71
3	91	81	74	67	89	80	72	67	76	70	65	73	68	64	71	66	63	60
4	84	72	64	58	81	71	63	57	68	61	56	66	60	55	63	58	54	52
5	77	65	56	50	75	64	56	49	61	54	49	59	53	48	57	52	47	45
6	71	59	50	44	69	58	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	45	39	65	52	44	39	51	43	38	49	43	38	48	42	37	35
8	62	49	40	35	60	48	40	35	46	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	34	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

### 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
245lx	61lx	27lx	15lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
22,8fcd	5,7fcd	2,5fcd	1,4fcd	0,9fcd	0,6fcd	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°
245	244	240	235	228	218	207	194	180	164	147	128	109	89	68	49	29	13	3	2
100%	100%	98%	96%	93%	89%	85%	79%	73%	67%	60%	52%	45%	36%	28%	20%	12%	5%	1%	1%

### 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°
245	244	242	235	224	208	192	173	153	132	110	88	67	46	28	17	13	6	2	1
100%	100%	99%	96%	91%	85%	78%	71%	62%	54%	45%	36%	27%	19%	11%	7%	5%	2%	1%	1%

### Intensities in 180° c-plane

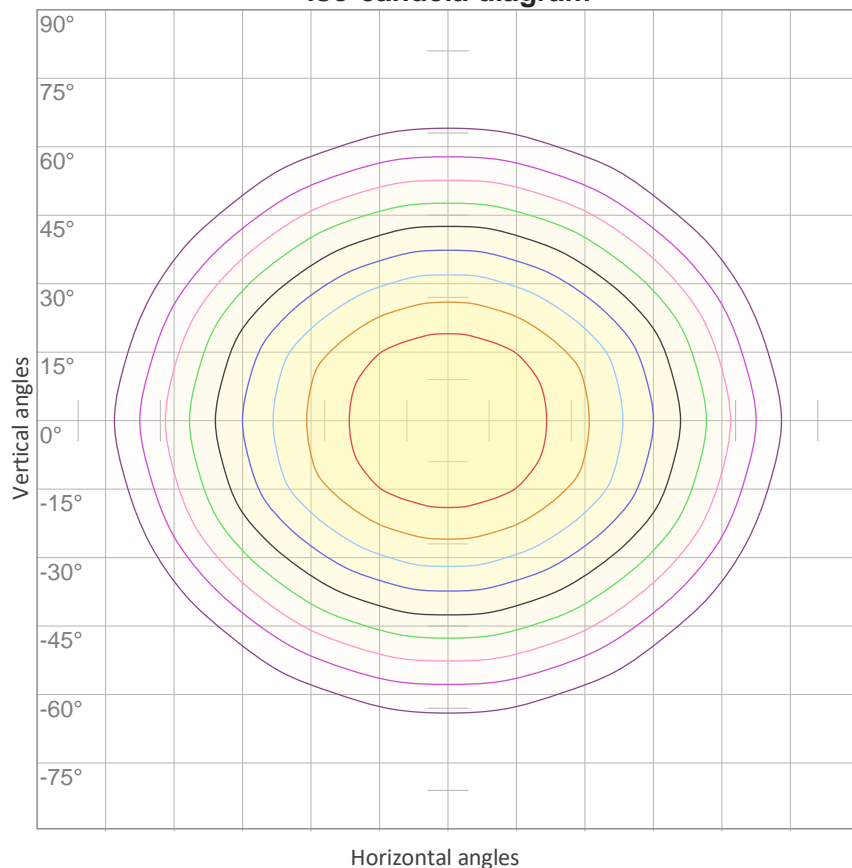
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
245	244	240	235	228	218	207	194	180	164	147	128	109	89	68	49	29	13	3	2
100%	100%	98%	96%	93%	89%	85%	79%	73%	67%	60%	52%	45%	36%	28%	20%	12%	5%	1%	1%

### 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°
245	244	242	235	224	208	192	173	153	132	110	88	67	46	28	17	13	6	2	1
100%	100%	99%	96%	91%	85%	78%	71%	62%	54%	45%	36%	27%	19%	11%	7%	5%	2%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103°	150,5°	171,7°	81,7%	57,6%

**iso-candela diagram**



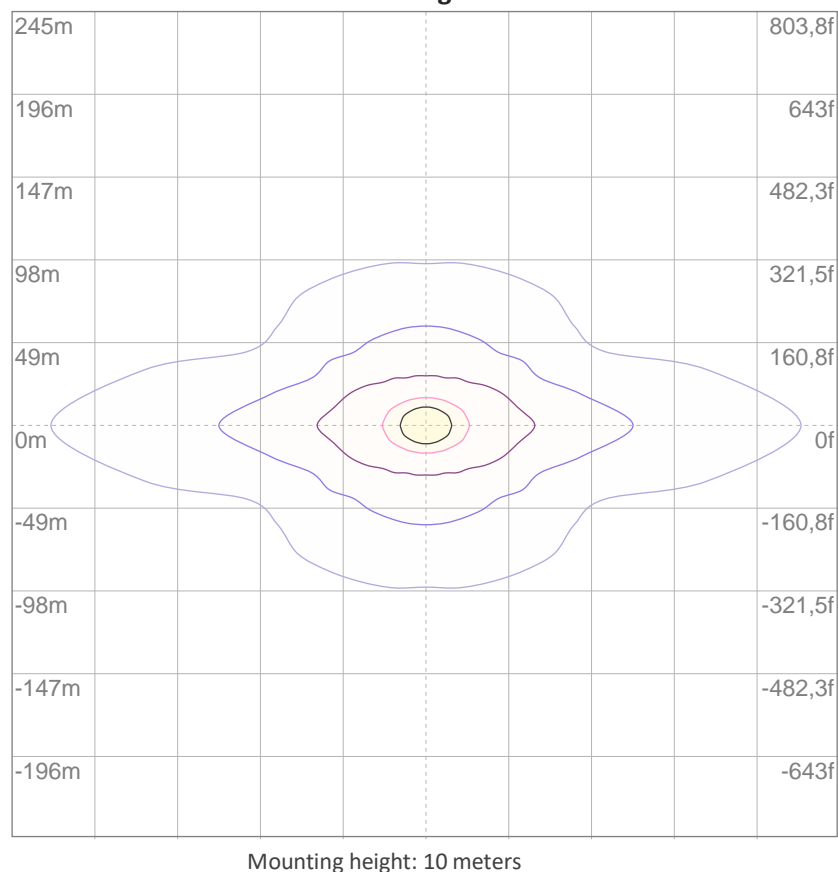
10%	24 cd
20%	49 cd
30%	73 cd
40%	98 cd
50%	122 cd
60%	147 cd
70%	171 cd
80%	196 cd
90%	220 cd

Conditions:

Number of c-planes: 16

Candela at center: 245 cd

**iso-lux diagram**



3%	73,5m lx
5%	0,122 lx
10%	0,245 lx
30%	0,735 lx
50%	1,22 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,45 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,68 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**