

## 9005 SLED9005U BRANCA FITA 20WM 4000K 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 – 1356 lm/m

Potência – 20,0 W/m

Intensidade pico – 290cd

CCT – 3956K



IRC – 98,3

Coordenada CIE 1931 – x- 0,382 y- 0,377

A x L - 8x17

Peso - 0,12kg/m

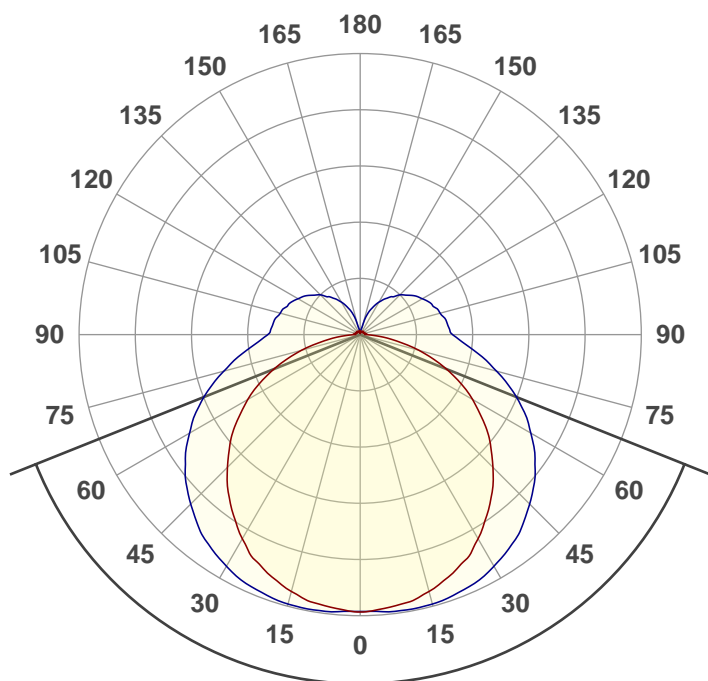
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

12/09/2022 11:42:19



Facho de abertura

**136,4°**

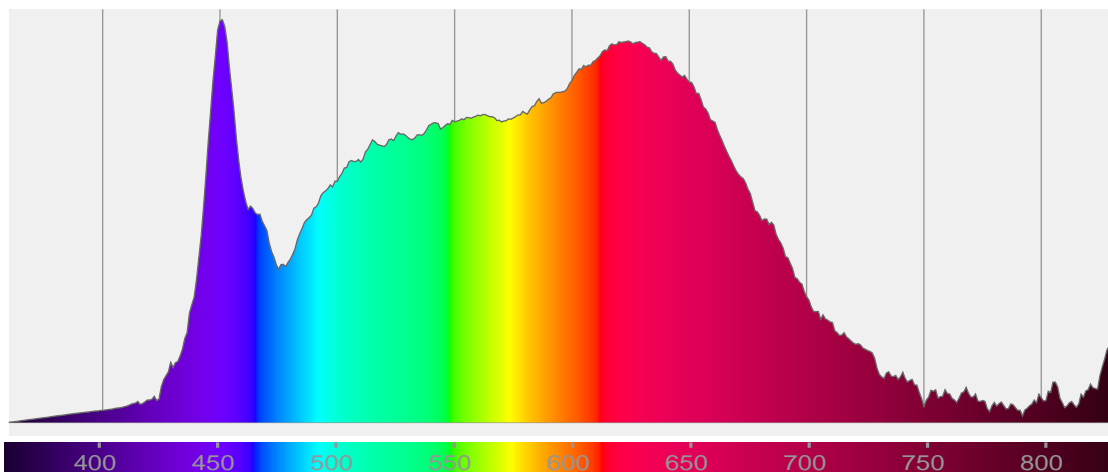
**Rf 94,7**

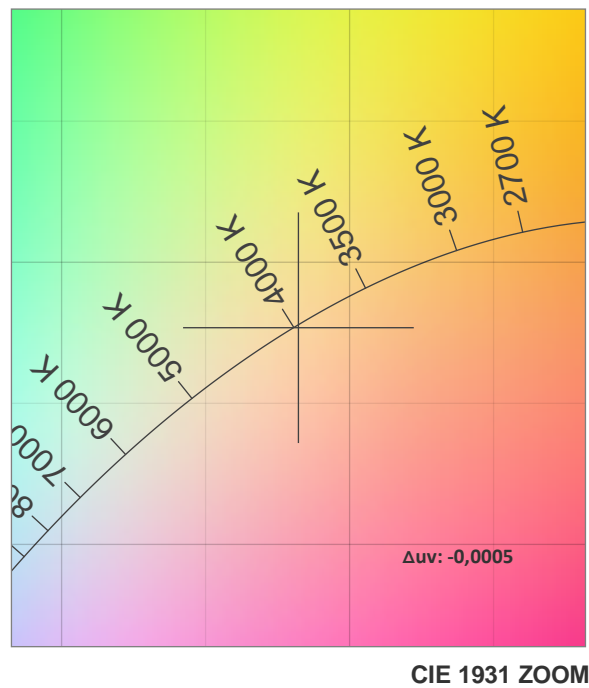
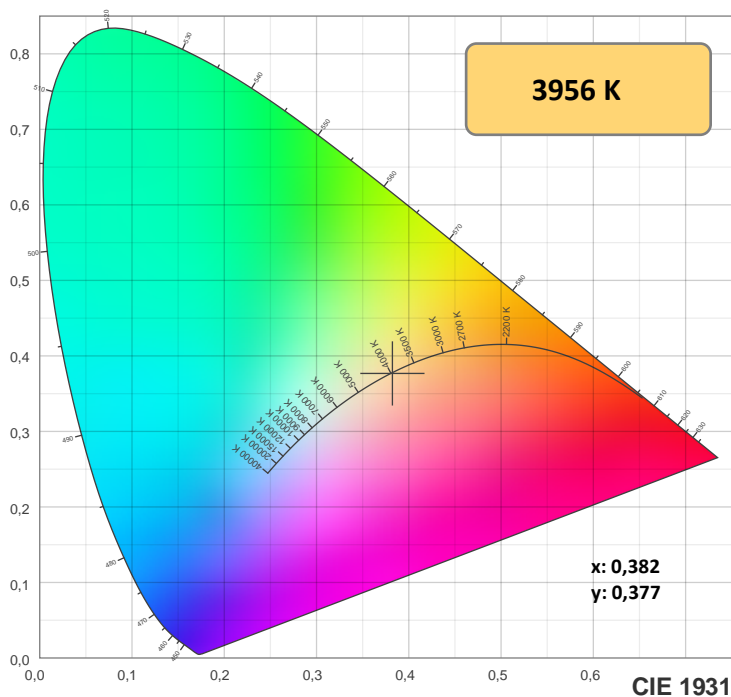
Fidelity index Rf

**Rg 100,5**

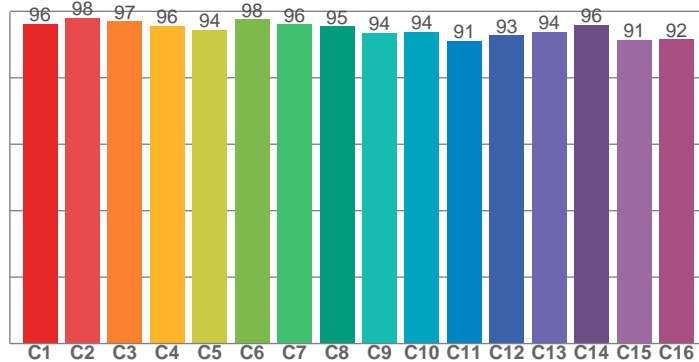
Gamut index Rg

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

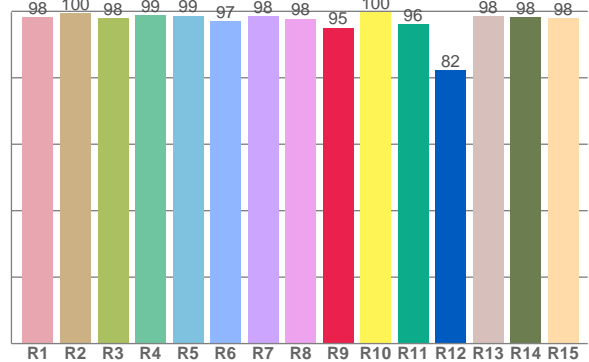




TM-30: 94,7



CRI: 98,3 (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	99,5	97,9	98,8	98,7	97,1	98,4	97,8	95,1	99,7	96,1	82,3	98,5	98,2	98,0

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
96,2	98,1	97,0	95,7	94,5	97,6	96,1	95,5	93,6	93,8	91,1	92,8	93,8	95,8	91,4	91,5

## 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
3956 K	98,3	95,1	94,7	100,5	97,2	0,382	0,377	0,226	0,335	-0,0005

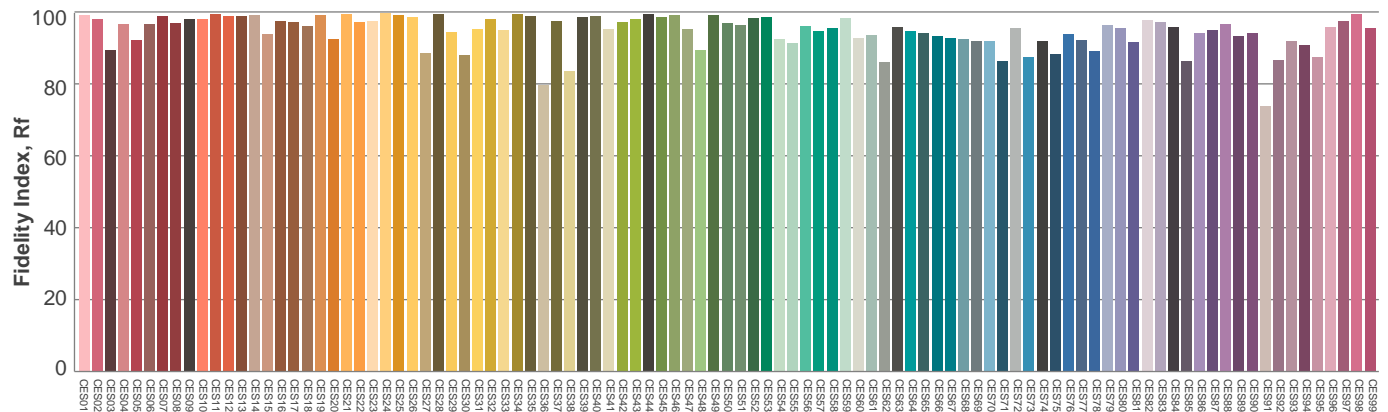
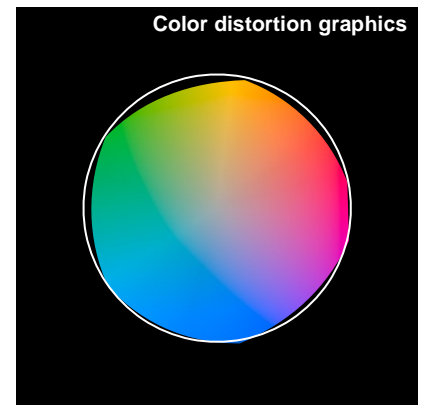
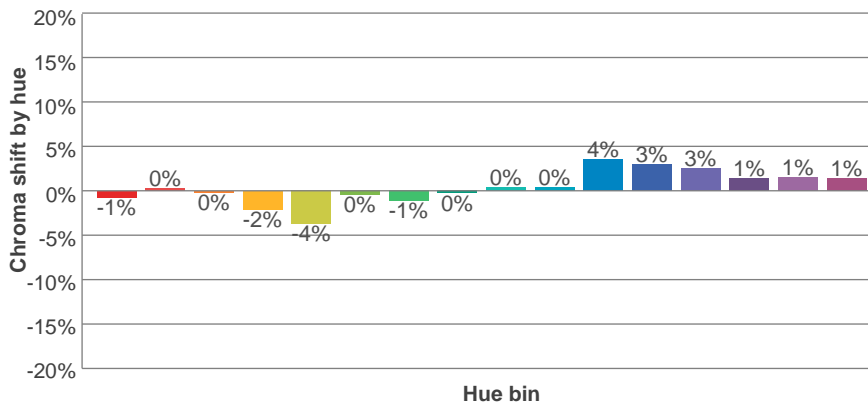
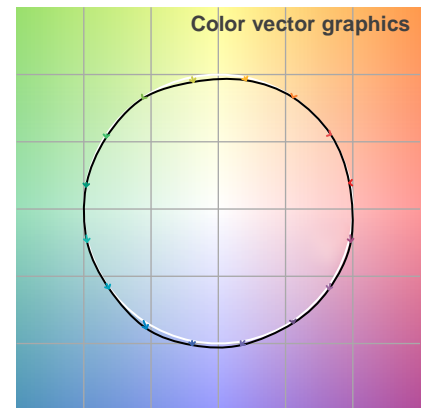
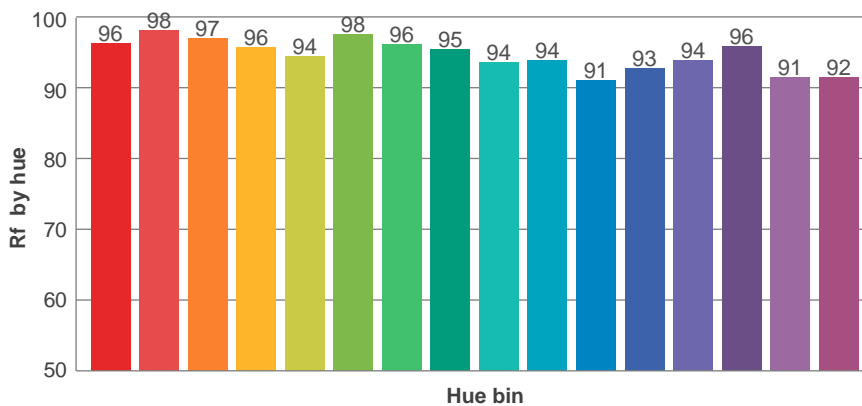
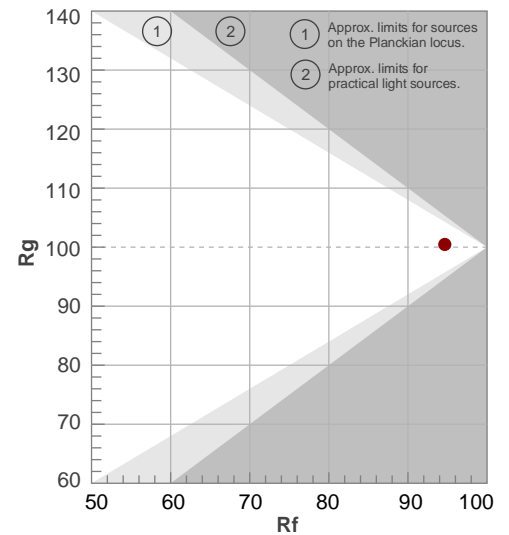
**Rf 94,7**

Fidelity index Rf

**Rg 100,5**

Gamut index Rg

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



Glare Evaluation According to UGR

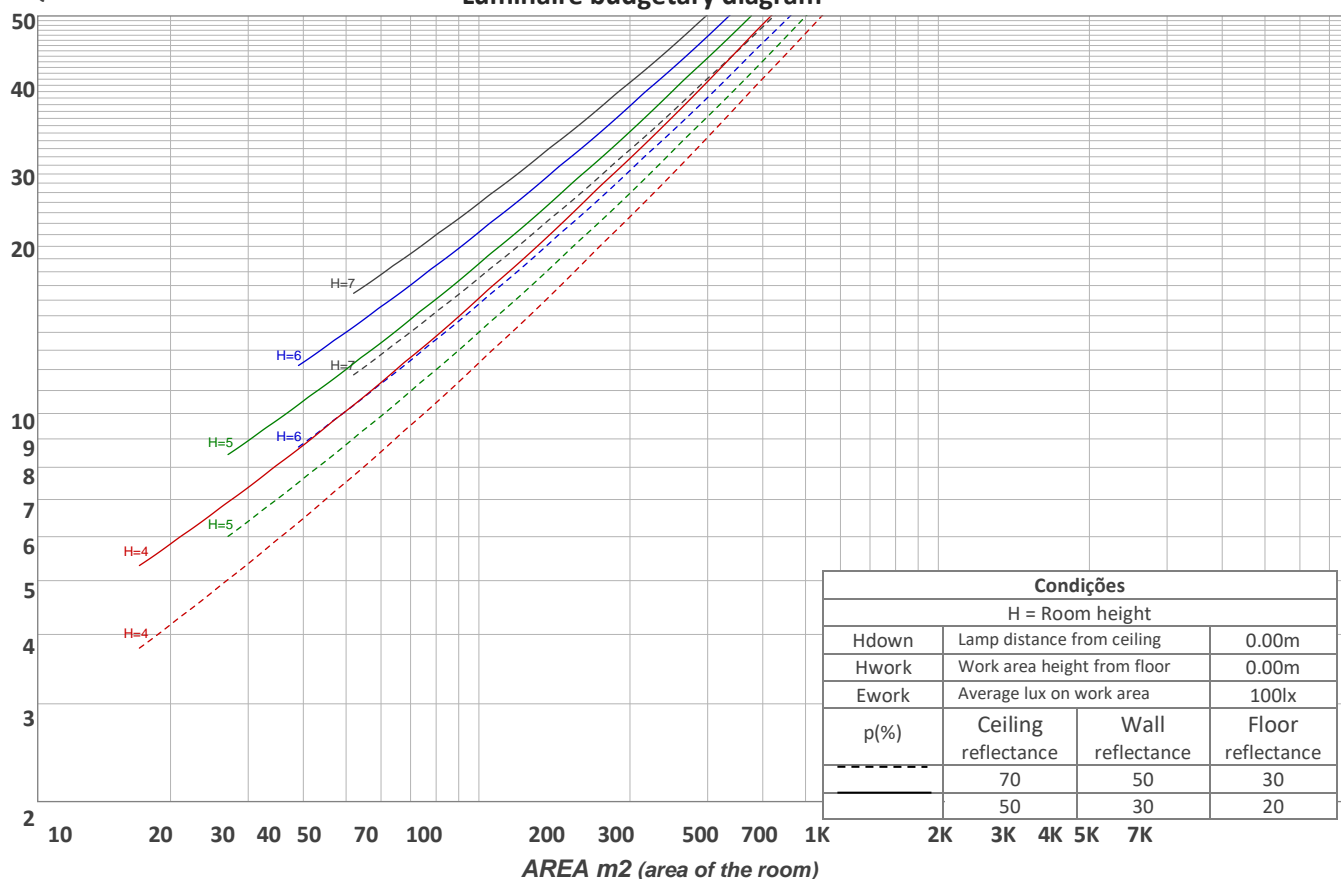
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,9	22,1	21,5	22,6	23,3	22,8	23,9	23,3	24,5	25,1
	3H	22,5	23,6	23,1	24,2	24,8	25,2	26,3	25,8	26,9	27,5
	4H	23,1	24,2	23,8	24,8	25,4	26,4	27,5	27,1	28,1	28,7
	6H	23,6	24,6	24,2	25,2	25,9	27,8	28,8	28,4	29,4	30,1
	8H	23,8	24,7	24,4	25,3	26,0	28,6	29,5	29,2	30,1	30,8
	12H	23,8	24,8	24,5	25,4	26,1	29,4	30,4	30,0	30,9	31,7
4H	2H	22,0	23,1	22,6	23,6	24,3	23,3	24,4	24,0	25,0	25,6
	3H	23,9	24,9	24,5	25,4	26,2	26,0	27,0	26,7	27,6	28,3
	4H	24,6	25,7	25,3	26,1	27,0	27,4	28,5	28,1	29,0	29,8
	6H	25,2	26,0	25,9	26,6	27,4	29,0	29,8	29,7	30,4	31,1
	8H	25,4	26,1	26,1	26,8	27,5	29,8	30,5	30,6	31,2	31,9
	12H	25,6	26,2	26,3	26,9	27,7	30,8	31,4	31,5	32,1	32,9
8H	4H	25,4	26,1	26,2	26,8	27,5	27,8	28,5	28,5	29,1	29,8
	6H	26,3	26,9	27,1	27,6	28,5	29,6	30,1	30,3	30,9	31,7
	8H	26,7	27,2	27,5	28,0	28,9	30,6	31,1	31,4	31,9	32,8
	12H	27,0	27,4	27,8	28,2	29,0	31,8	32,2	32,6	33,0	33,8
12H	4H	25,7	26,2	26,4	27,0	27,7	27,8	28,4	28,5	29,1	29,9
	6H	26,7	27,2	27,5	28,0	28,9	29,7	30,2	30,4	30,9	31,8
	8H	27,2	27,6	28,0	28,4	29,3	30,8	31,2	31,6	32,0	32,8
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 / -0,1				
S = 2.0H		0,3 / -0,4					0,2 / -0,2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1356 lm total luminous flux											

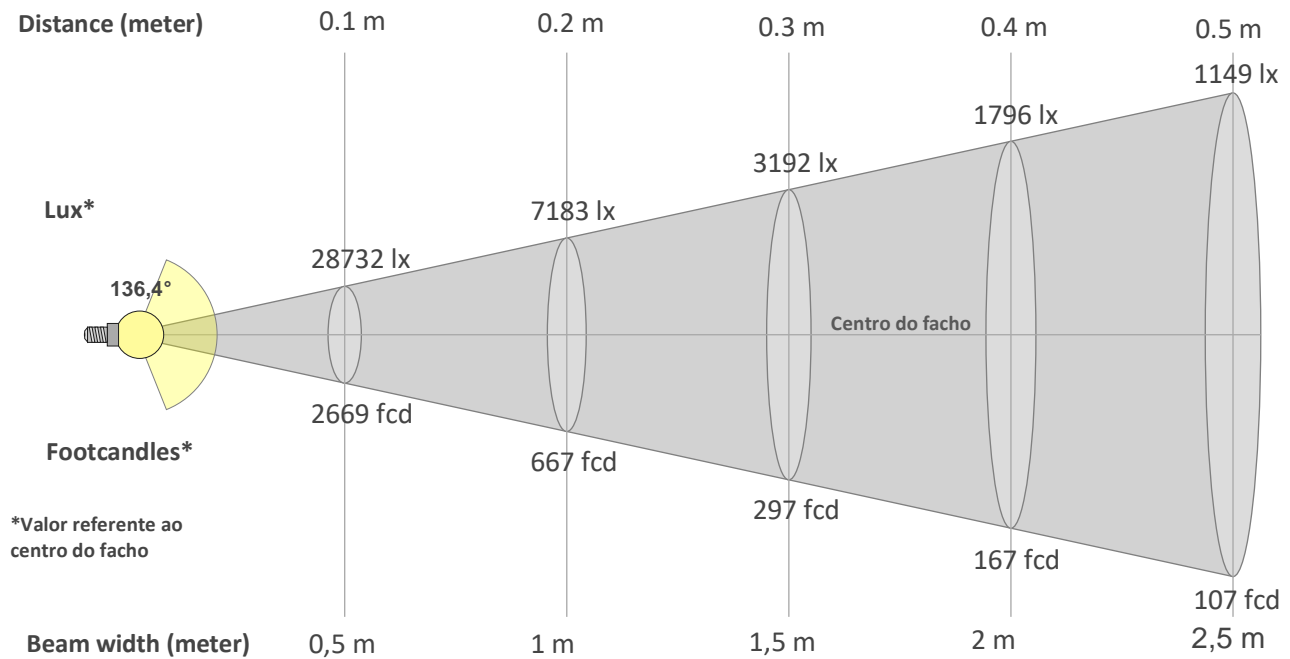
### Coeficiente de utilização

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	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81
1	102	96	91	87	97	92	88	83	84	81	77	77	74	71	70	68	66	63
2	92	83	75	68	87	79	72	66	72	67	62	66	61	57	60	57	53	50
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	41
4	76	63	54	46	72	60	52	45	55	48	42	51	45	40	46	41	37	34
5	69	56	46	39	66	53	45	38	49	42	36	45	39	34	41	36	32	29
6	64	50	41	34	60	48	39	33	44	37	31	41	34	29	37	32	28	25
7	59	45	36	30	56	43	35	29	40	33	27	37	31	26	34	29	24	22
8	55	41	32	26	52	39	31	26	36	29	24	34	27	23	31	26	22	20
9	51	37	29	23	48	36	28	23	33	26	22	31	25	21	29	23	19	17
10	48	34	26	21	45	33	26	20	31	24	19	29	23	19	27	21	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
287lx	72lx	32lx	18lx	11lx	8lx	6lx	4lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
26,7fcd	6,7fcd	3fcd	1,7fcd	1,1fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	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°
287	283	271	254	226	195	160	121	78	35	7	5	5	4	4	4	3	3	3	3
100%	98%	94%	88%	79%	68%	56%	42%	27%	12%	2%	2%	2%	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°
287	290	288	282	268	249	224	195	159	123	96	90	85	77	69	58	47	35	19	5
100%	101%	100%	98%	93%	87%	78%	68%	55%	43%	33%	31%	29%	27%	24%	20%	16%	12%	7%	2%

### Intensities in 180° c-plane

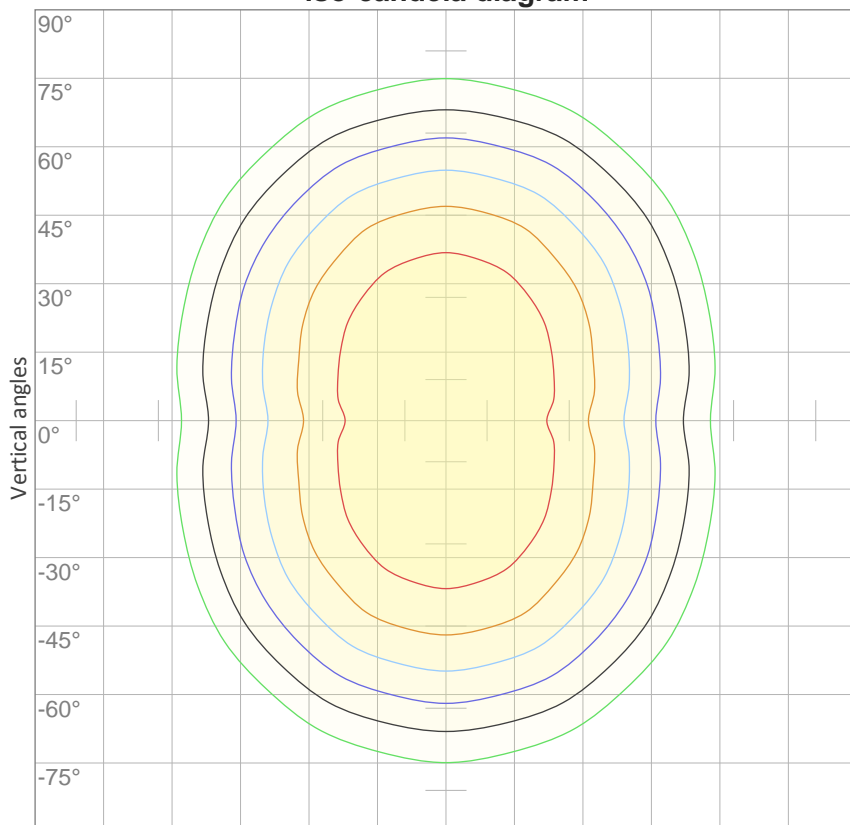
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
287	283	271	254	226	195	160	121	78	35	7	5	5	4	4	4	3	3	3	3
100%	98%	94%	88%	79%	68%	56%	42%	27%	12%	2%	2%	2%	1%	1%	1%	1%	1%	1%	1%

### 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°
287	290	288	282	268	249	224	195	159	123	96	90	85	77	69	58	47	35	19	5
100%	101%	100%	98%	93%	87%	78%	68%	55%	43%	33%	31%	29%	27%	24%	20%	16%	12%	7%	2%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
136,4°	266,4°	308,6°	54,7%	35,3%

**iso-candela diagram**



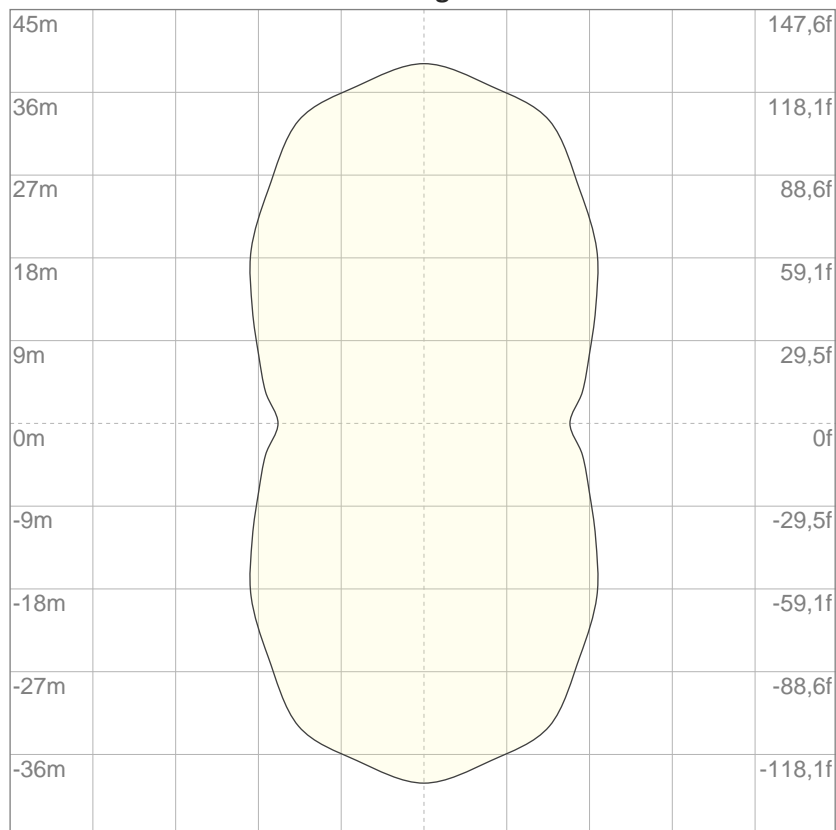
10%	29 cd
20%	57 cd
30%	86 cd
40%	115 cd
50%	144 cd
60%	172 cd
70%	201 cd
80%	230 cd
90%	259 cd

Conditions:

Number of c-planes: 16

Candela at center: 287 cd

**iso-lux diagram**



3%	86,2m lx
5%	0,144 lx
10%	0,287 lx
30%	0,862 lx
50%	1,44 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,87 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,67 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**