

## K39N SLED9020N BRANCA FITA 19WM 4000K 80 - 1m

Luminária linear pendente com iluminação direta e indireta difusa. Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc. Acessórios são de acordo com a instalação.

Fluxo luminoso – 2244 lm/m

Potência – 37,5 W/m

Intensidade pico – 460cd

CCT – 4011K



IRC – 82,4

Coordenada CIE 1931 – x- 0,381 y- 0,381

A x L - 115x38

Peso - 2,20kg/m

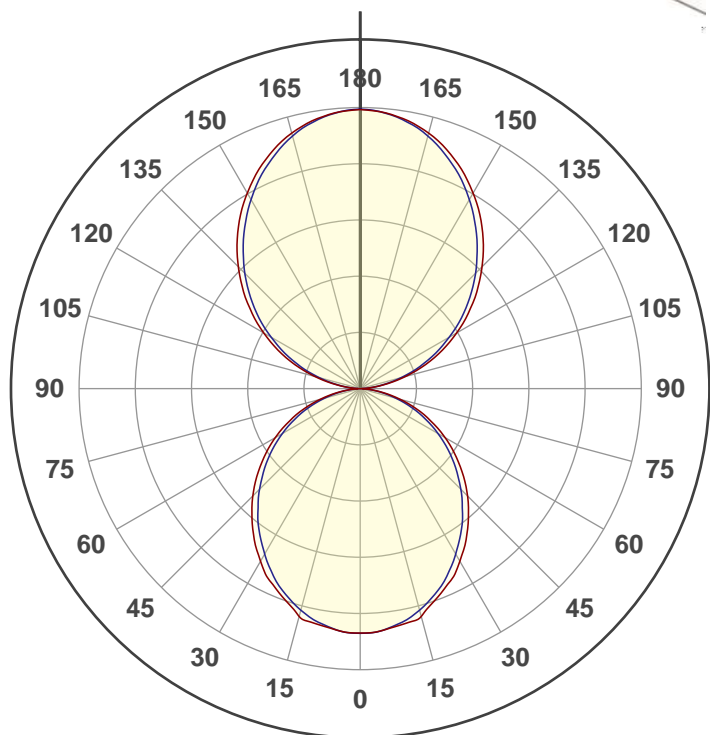
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

16/08/2021 15:29:14



Facho de abertura

**360°**

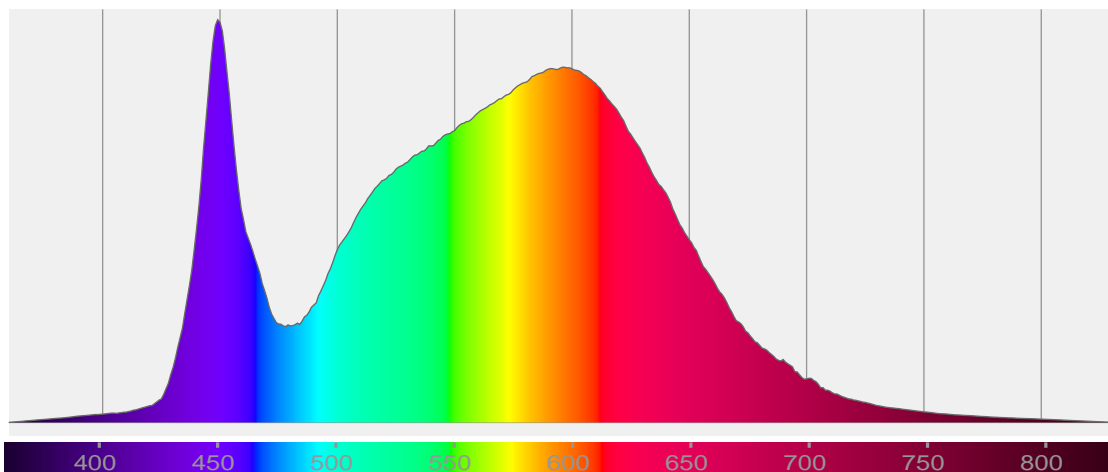
**Rf 83,9**

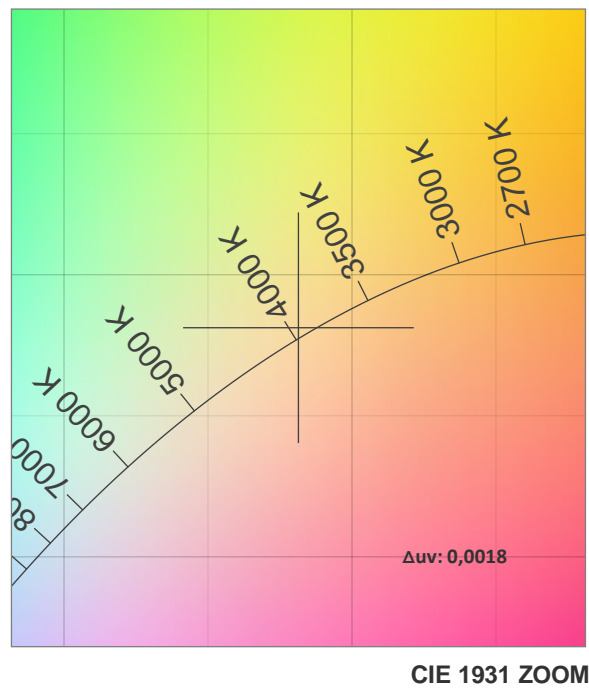
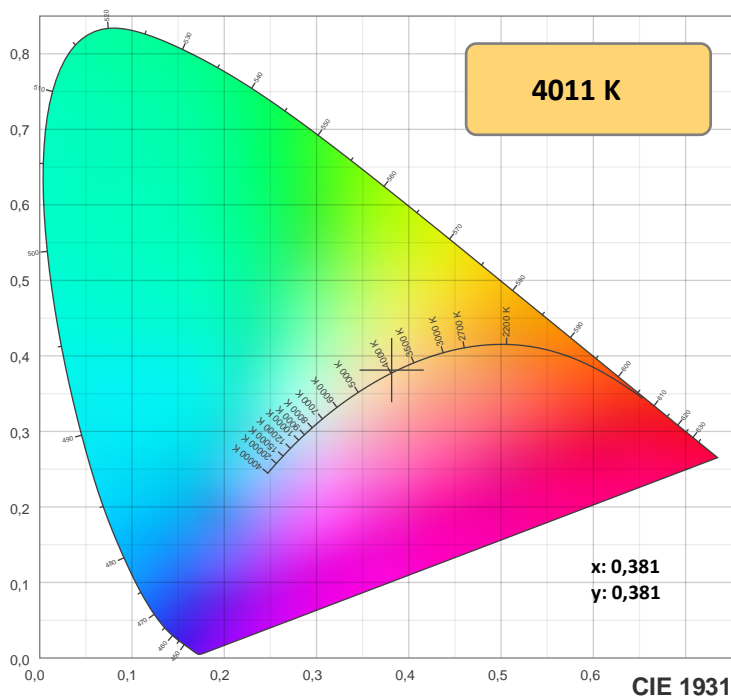
Fidelity index Rf

**Rg 96,1**

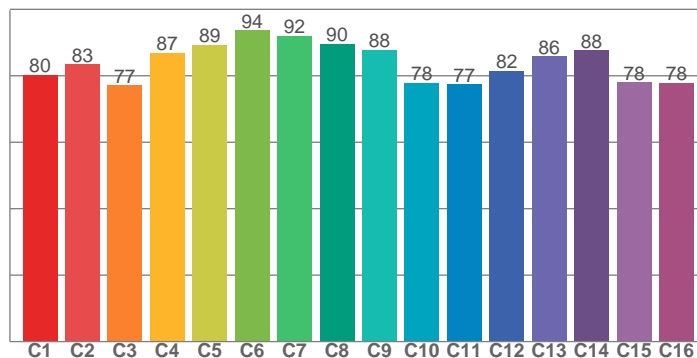
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	80	-12%	-1%
2	83	-8%	6%
3	77	-4%	12%
4	87	0%	8%
5	89	2%	5%
6	94	3%	-2%
7	92	-3%	-4%
8	90	-6%	-2%
9	88	-7%	4%
10	78	-8%	11%
11	77	2%	15%
12	82	6%	8%
13	86	8%	-5%
14	88	6%	-7%
15	78	0%	-16%
16	78	-5%	-13%

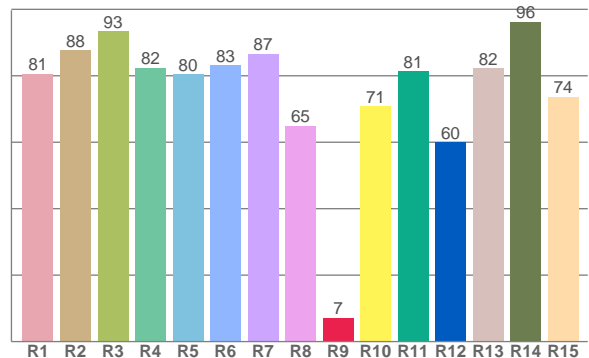




TM-30: 83,9



CRI: 82,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
80,6	87,7	93,3	82,4	80,5	83,1	86,6	65,0	7,2	70,8	81,3	60,1	82,2	96,2	73,6

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,3	83,4	77,1	86,8	89,4	93,6	92,0	89,7	87,7	77,9	77,4	81,5	85,9	87,6	78,0	77,8

## 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	Δuv
4011 K	82,4	7,2	83,9	96,1	82,2	0,381	0,381	0,224	0,336	0,0018

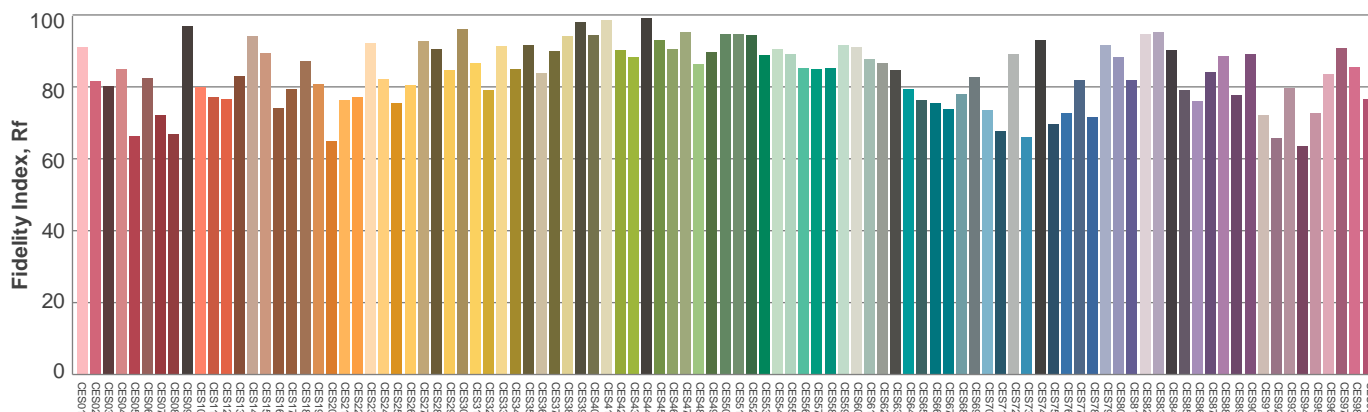
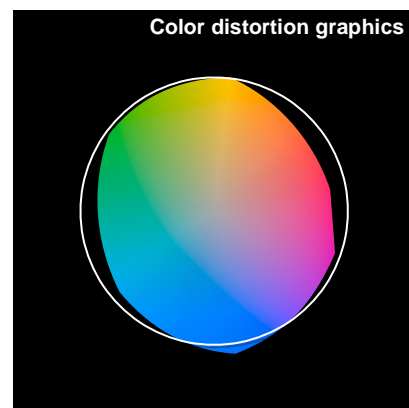
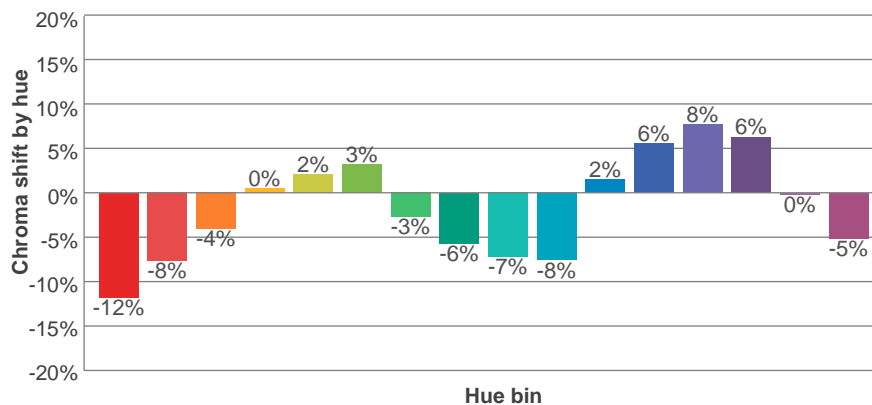
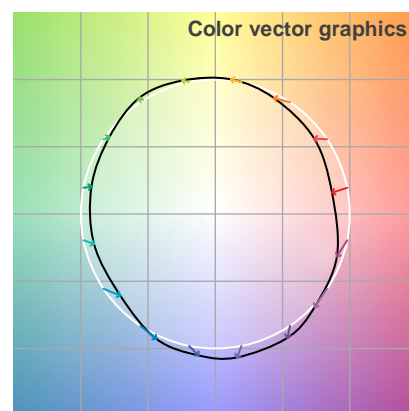
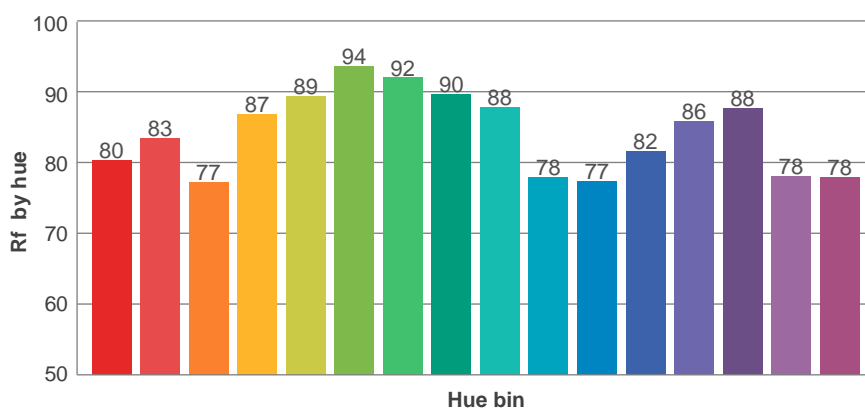
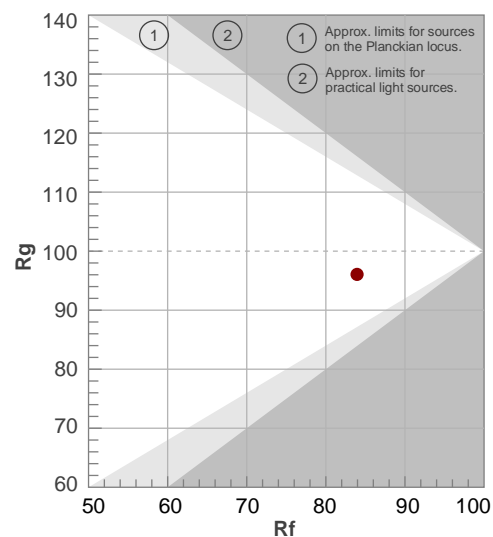
**Rf 83,9**

Fidelity index Rf

**Rg 96,1**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
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10	78	-8%	11%
11	77	2%	15%
12	82	6%	8%
13	86	8%	-5%
14	88	6%	-7%
15	78	0%	-16%
16	78	-5%	-13%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

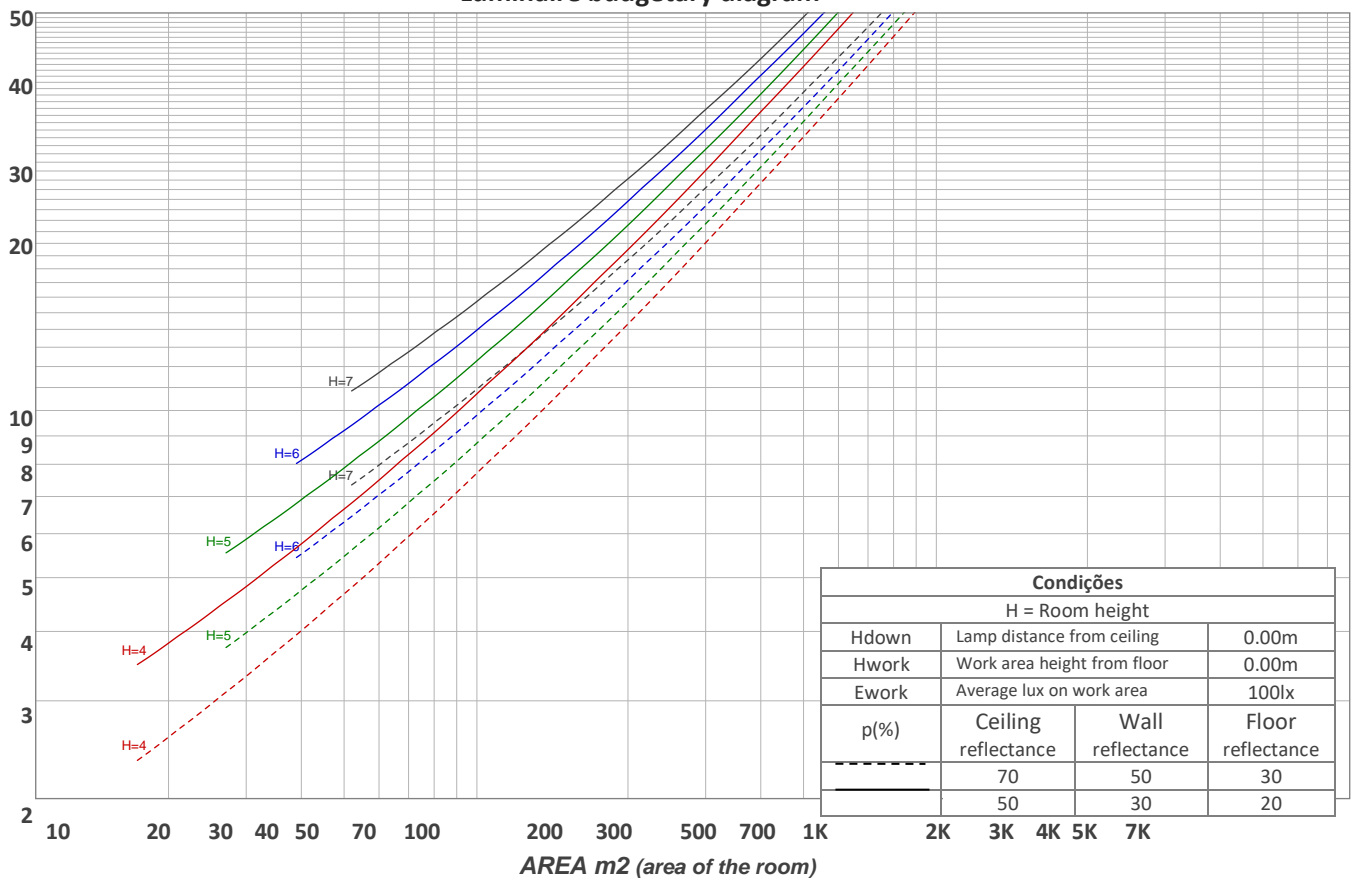
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	16,6	17,4	17,6	18,3	19,5	16,3	17,1	17,2	17,9	19,1
	3H	18,0	18,8	19,0	19,6	20,8	17,6	18,3	18,6	19,2	20,3
	4H	18,6	19,2	19,5	20,2	21,3	18,1	18,7	19,1	19,7	20,8
	6H	18,9	19,5	19,9	20,5	21,6	18,4	19,0	19,3	20,0	21,1
	8H	19,0	19,7	20,0	20,6	21,7	18,5	19,1	19,4	20,0	21,2
	12H	19,0	19,8	20,0	20,6	21,8	18,5	19,3	19,5	20,1	21,2
4H	2H	17,1	17,7	18,0	18,7	19,8	16,8	17,4	17,8	18,4	19,5
	3H	18,7	19,4	19,6	20,2	21,4	18,3	19,0	19,3	19,9	21,0
	4H	19,3	20,3	20,3	20,8	22,0	18,8	19,8	19,8	20,4	21,6
	6H	19,7	20,3	20,7	21,1	22,3	19,2	19,8	20,3	20,7	21,8
	8H	19,8	20,2	20,8	21,2	22,4	19,4	19,8	20,4	20,8	21,9
	12H	19,9	20,2	20,9	21,2	22,4	19,4	19,7	20,4	20,8	21,9
8H	4H	19,4	19,8	20,4	20,8	21,9	19,0	19,4	20,0	20,4	21,6
	6H	20,0	20,2	21,0	21,3	22,5	19,6	19,8	20,6	20,9	22,1
	8H	20,1	20,4	21,2	21,5	22,7	19,7	20,0	20,8	21,0	22,3
	12H	20,2	20,5	21,3	21,5	22,7	19,8	20,0	20,9	21,1	22,3
12H	4H	19,4	19,7	20,4	20,7	21,9	19,0	19,3	20,0	20,3	21,5
	6H	20,0	20,2	21,0	21,3	22,5	19,6	19,8	20,6	20,9	22,1
	8H	20,2	20,4	21,2	21,4	22,6	19,8	20,0	20,8	21,0	22,2
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 / -0,3				
S = 2.0H		0,5 / -0,5					0,5 / -0,6				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 2244 lm total luminous flux											

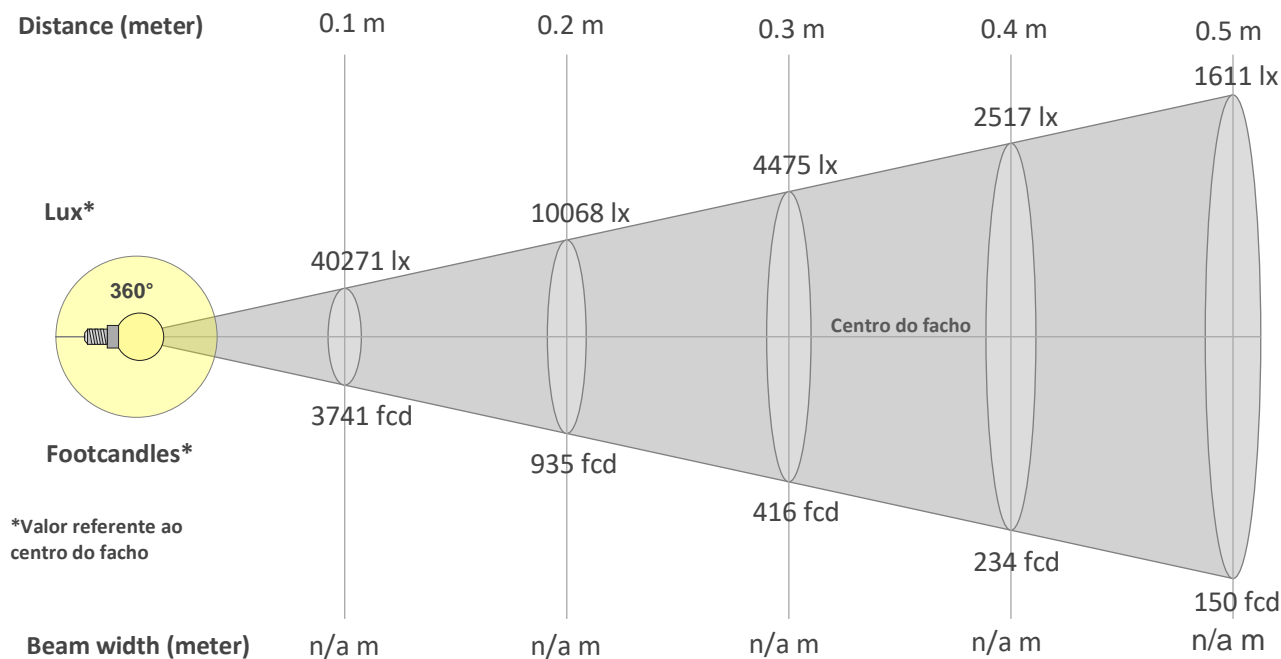
**Coeficiente de utilização**

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	106	106	106	106	98	98	98	98	82	82	82	67	67	67	53	53	53	47
1	97	93	89	85	89	85	82	79	71	69	67	59	57	55	47	46	45	39
2	88	81	75	70	81	74	69	65	62	59	55	51	49	46	41	39	38	33
3	80	71	64	58	74	65	59	54	55	50	46	45	42	39	36	34	32	28
4	74	63	55	49	67	58	51	46	49	44	39	40	37	33	33	30	27	24
5	67	56	48	42	62	52	44	39	44	38	34	36	32	29	29	26	24	21
6	62	50	42	36	57	46	39	34	39	34	30	33	28	25	26	23	21	18
7	57	45	37	32	53	42	35	30	36	30	26	30	25	22	24	21	19	16
8	53	41	33	28	49	38	31	26	32	27	23	27	23	20	22	19	17	14
9	50	37	30	25	45	35	28	23	30	24	21	25	21	18	20	17	15	13
10	46	34	27	22	42	32	25	21	27	22	18	23	19	16	19	16	14	12

**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
403lx	101lx	45lx	25lx	16lx	11lx	8lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
37,4fcd	9,4fcd	4,2fcd	2,3fcd	1,5fcd	1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	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°
403	396	375	343	299	250	197	143	87	34	4	38	99	163	224	284	339	387	426	450
100%	98%	93%	85%	74%	62%	49%	36%	22%	8%	1%	9%	25%	40%	56%	70%	84%	96%	106%	112%

### 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°
403	393	367	330	284	234	183	130	78	30	4	34	90	149	210	269	324	376	419	448
100%	98%	91%	82%	71%	58%	45%	32%	19%	7%	1%	9%	22%	37%	52%	67%	81%	93%	104%	111%

### Intensities in 180° c-plane

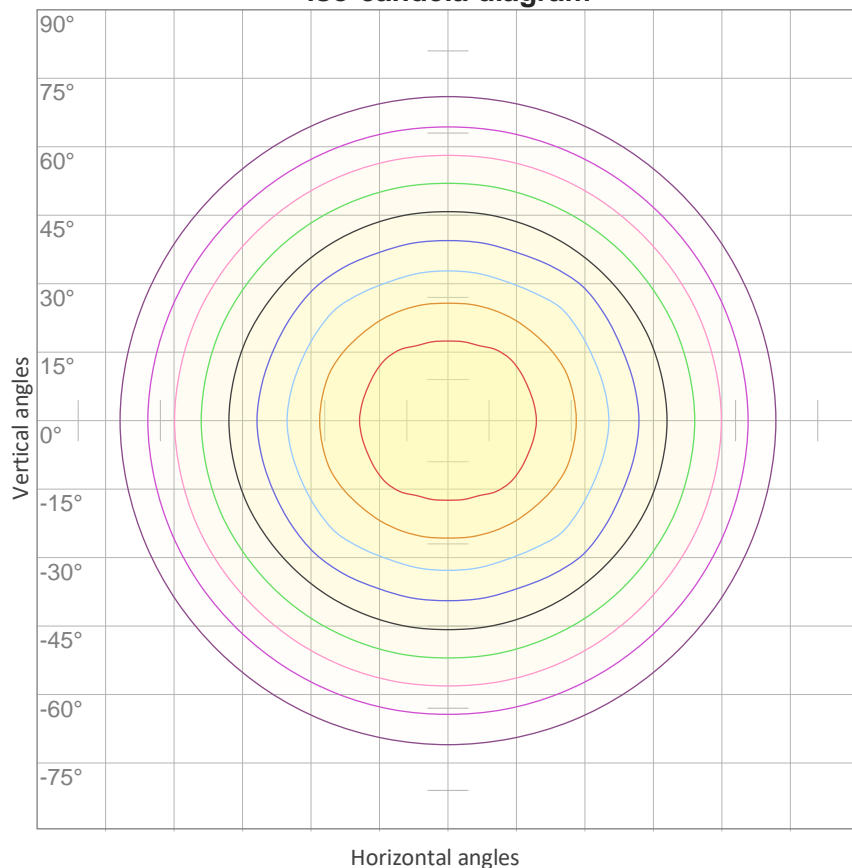
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
403	396	375	343	299	250	197	143	87	34	4	38	99	163	224	284	339	387	426	450
100%	98%	93%	85%	74%	62%	49%	36%	22%	8%	1%	9%	25%	40%	56%	70%	84%	96%	106%	112%

### 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°
403	393	367	330	284	234	183	130	78	30	4	34	90	149	210	269	324	376	419	448
100%	98%	91%	82%	71%	58%	45%	32%	19%	7%	1%	9%	22%	37%	52%	67%	81%	93%	104%	111%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	37,4%	25,9%

**iso-candela diagram**



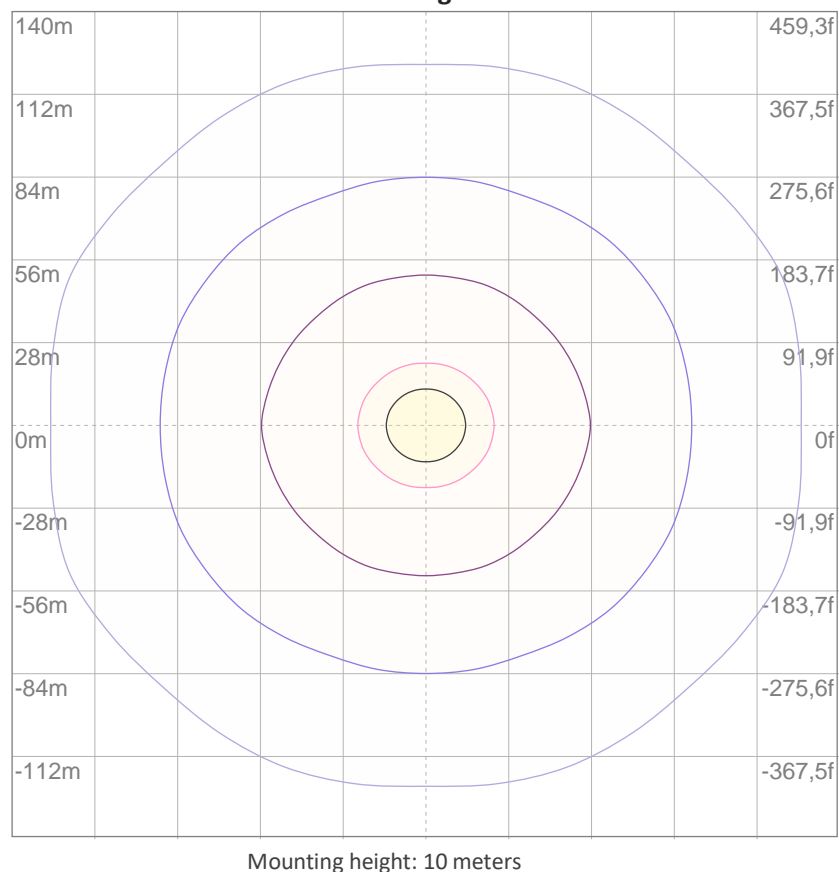
10%	40 cd
20%	81 cd
30%	121 cd
40%	161 cd
50%	201 cd
60%	242 cd
70%	282 cd
80%	322 cd
90%	362 cd

Conditions:

Number of c-planes: 16

Candela at center: 403 cd

**iso-lux diagram**



3%	0,121 lx
5%	0,201 lx
10%	0,403 lx
30%	1,21 lx
50%	2,01 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,03 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 3,13 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**