

K39N SLED9020N BRANCA FITA 15WM 3500K 95 - 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 – 1240 lm/m

Potência – 29,8 W/m

Intensidade pico – 301cd

CCT – 3733K



IRC – 96,3

Coordenada CIE 1931 – x- 0,393 y- 0,382

A x L - 115x38

Peso - 2,20kg/m

IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

21/03/2023 09:21:16

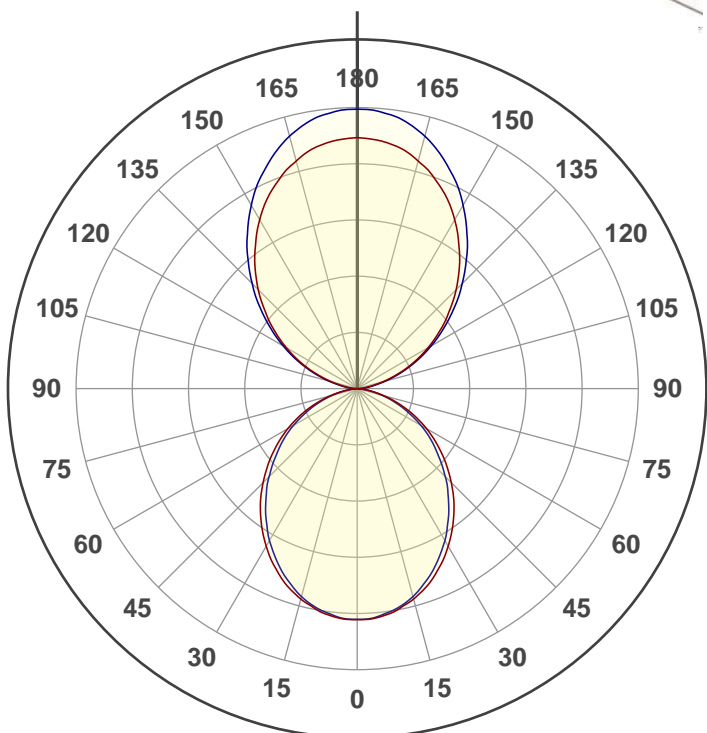
Rf 93,2

Fidelity index Rf

Rg 99,8

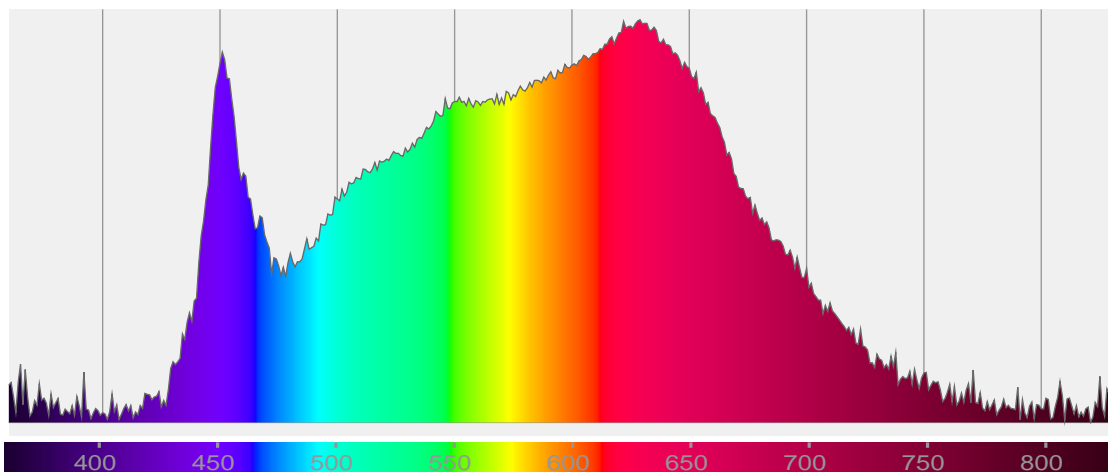
Gamut index Rg

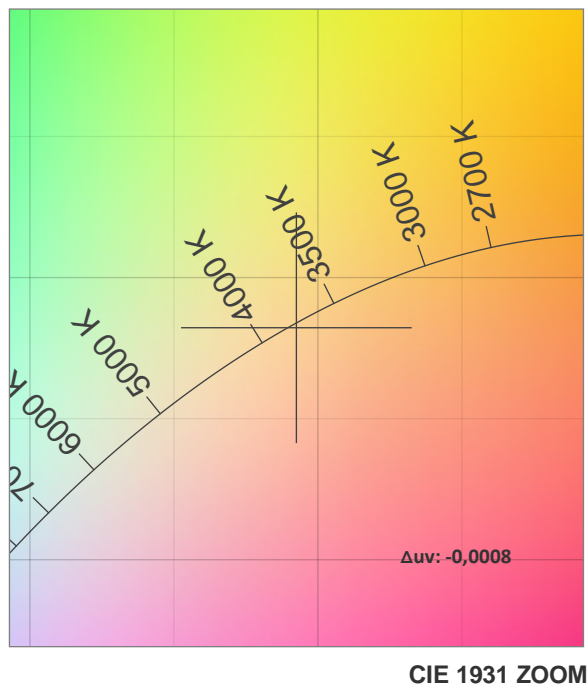
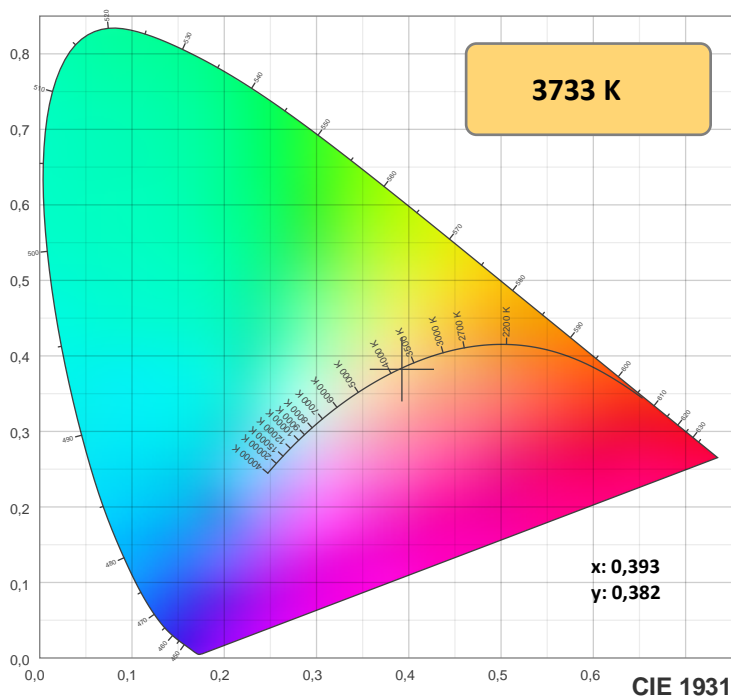
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-2%	0%
2	96	-1%	1%
3	94	-1%	2%
4	95	-2%	1%
5	94	-3%	1%
6	97	0%	0%
7	95	-2%	1%
8	96	-1%	1%
9	93	-1%	4%
10	89	-1%	7%
11	88	3%	8%
12	91	4%	2%
13	95	2%	-2%
14	91	5%	-5%
15	92	1%	-4%
16	90	0%	-6%



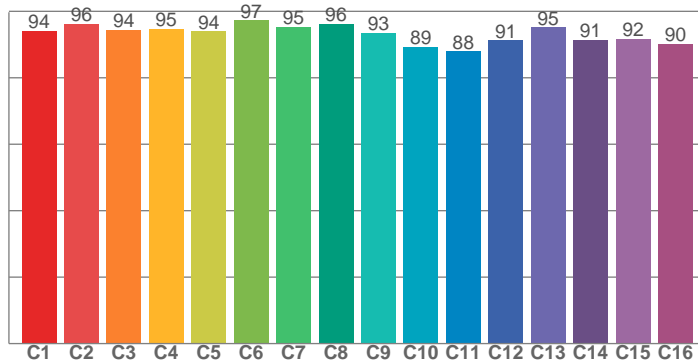
Facho de abertura

360°

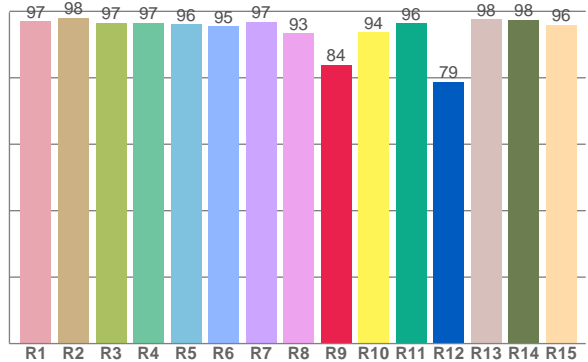




TM-30: 93,2



CRI: 96,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,0	98,0	96,5	96,6	96,1	95,4	96,9	93,4	83,9	93,6	96,5	78,8	97,6	97,5	95,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,1	96,2	94,4	94,6	94,0	97,3	95,4	96,3	93,5	89,3	87,9	91,2	95,2	91,5	91,8	90,2

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
3733 K	96,3	83,9	93,2	99,8	94,7	0,393	0,382	0,231	0,337	-0,0008

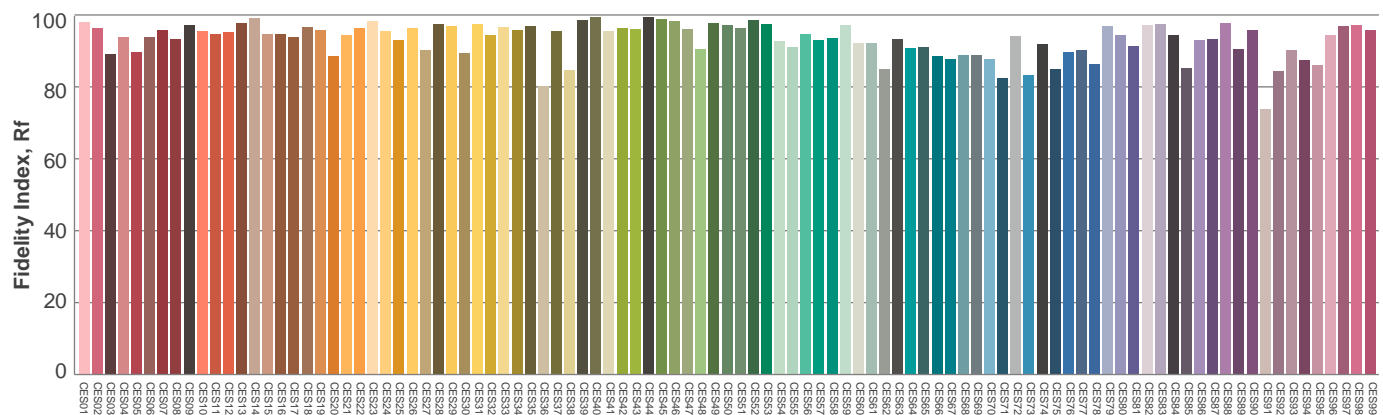
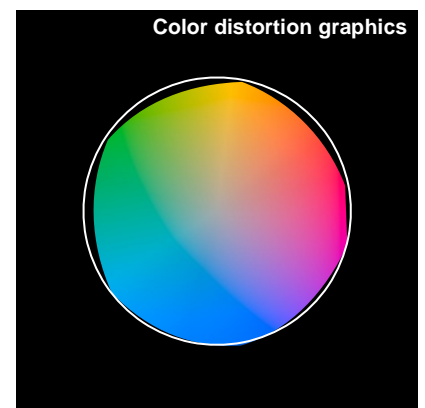
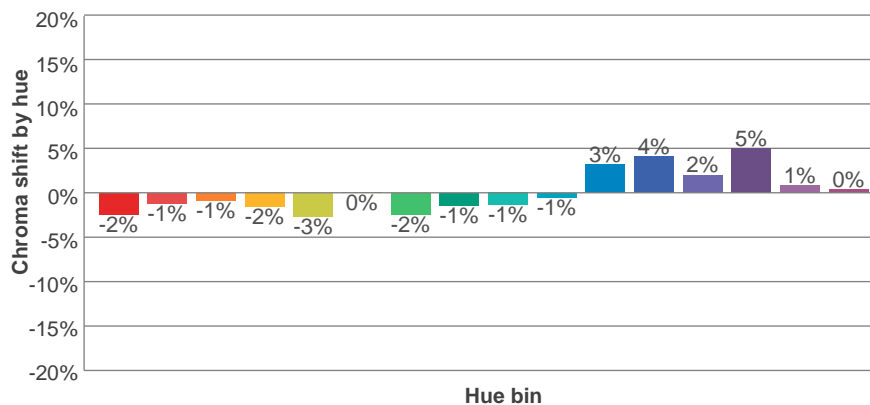
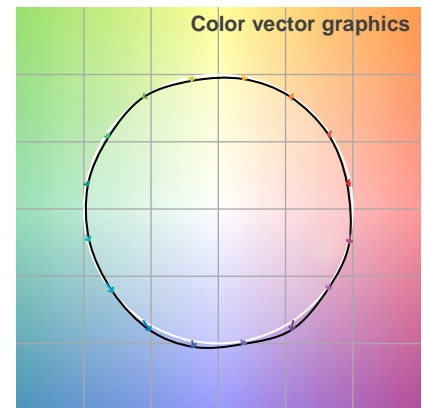
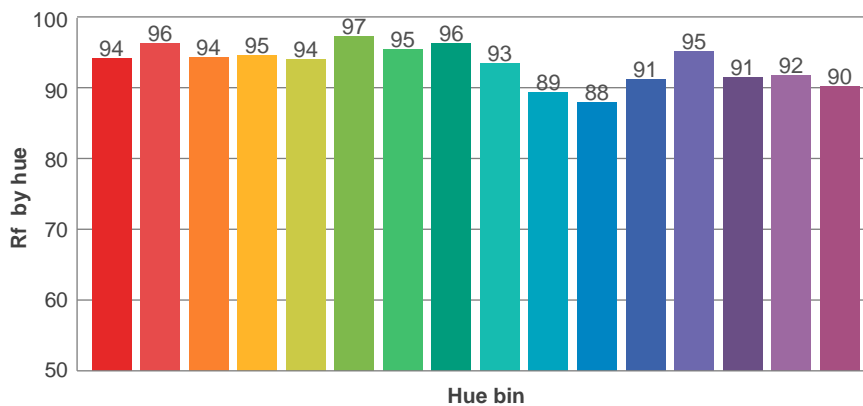
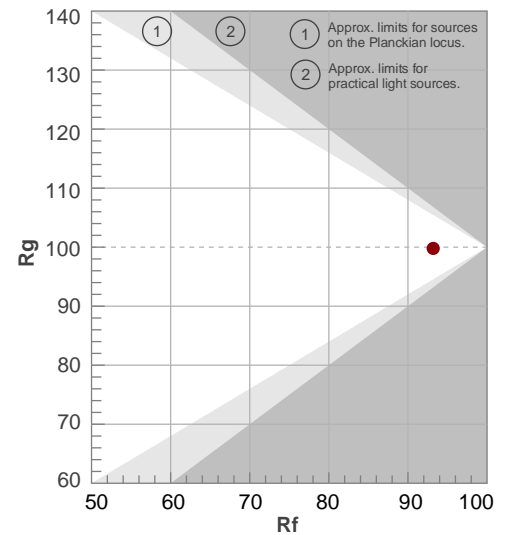
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8	96	-1%	1%
9	93	-1%	4%
10	89	-1%	7%
11	88	3%	8%
12	91	4%	2%
13	95	2%	-2%
14	91	5%	-5%
15	92	1%	-4%
16	90	0%	-6%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

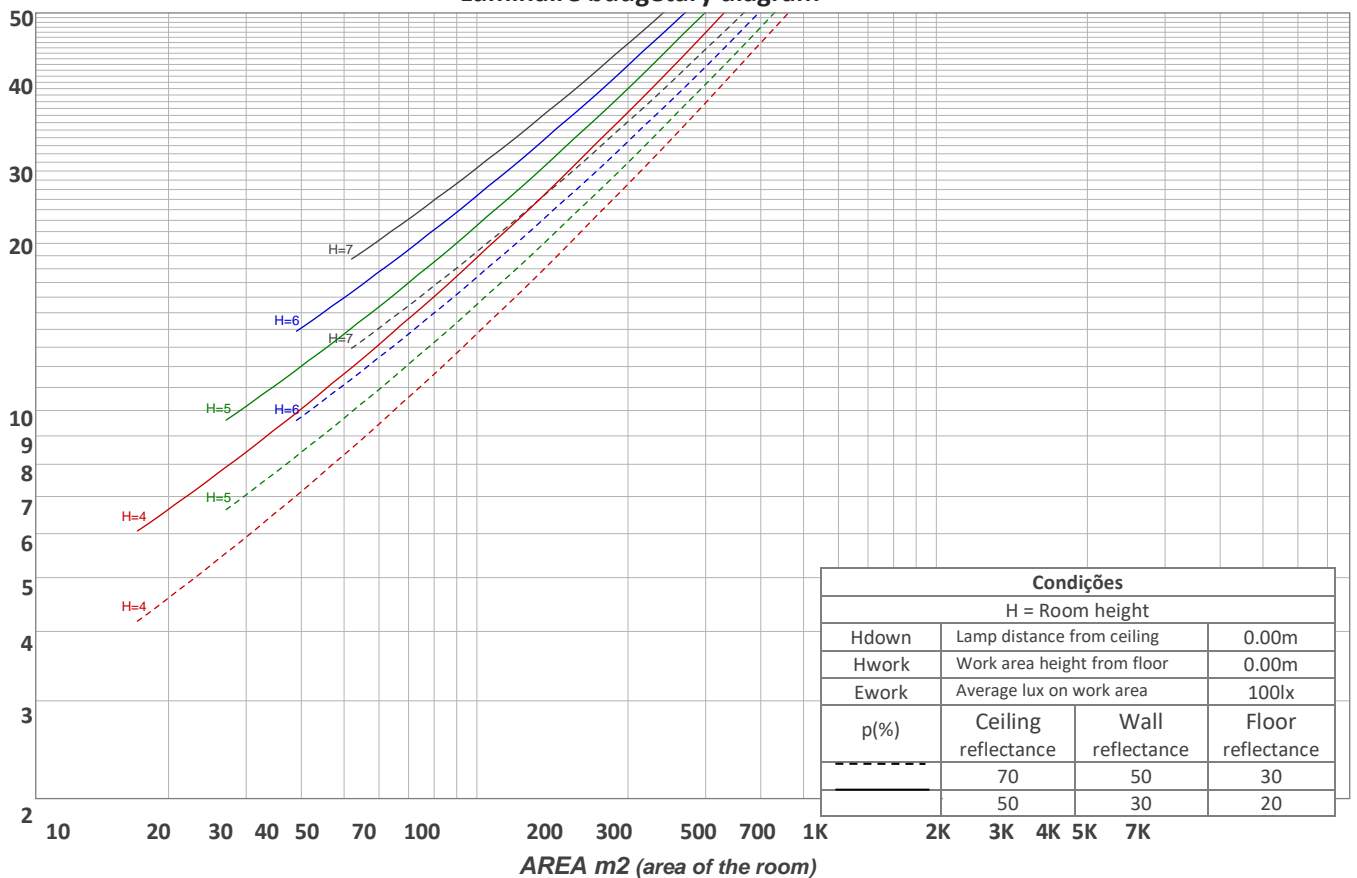
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	14,5	15,3	15,4	16,2	17,3	14,2	15,0	15,1	15,8	17,0
	3H	15,7	16,4	16,6	17,3	18,4	15,3	16,0	16,2	16,8	18,0
	4H	16,0	16,7	17,0	17,6	18,7	15,6	16,3	16,6	17,2	18,3
	6H	16,2	16,8	17,1	17,8	18,9	15,8	16,4	16,7	17,3	18,5
	8H	16,2	16,9	17,2	17,8	18,9	15,8	16,5	16,8	17,4	18,5
	12H	16,2	16,9	17,1	17,7	18,9	15,8	16,5	16,7	17,3	18,5
4H	2H	14,9	15,5	15,9	16,5	17,6	14,6	15,3	15,6	16,2	17,3
	3H	16,2	17,0	17,2	17,8	18,9	15,9	16,6	16,8	17,4	18,6
	4H	16,6	17,6	17,6	18,2	19,3	16,3	17,2	17,3	17,8	19,0
	6H	16,9	17,4	17,9	18,3	19,4	16,5	17,0	17,5	17,9	19,1
	8H	16,9	17,3	17,9	18,3	19,4	16,5	16,9	17,5	17,9	19,1
	12H	16,9	17,2	17,8	18,2	19,3	16,5	16,8	17,5	17,9	19,0
8H	4H	16,7	17,1	17,7	18,1	19,2	16,4	16,8	17,4	17,7	18,9
	6H	17,0	17,3	18,0	18,3	19,5	16,7	17,0	17,7	18,0	19,2
	8H	17,1	17,3	18,1	18,4	19,6	16,8	17,0	17,8	18,1	19,3
	12H	17,0	17,3	18,1	18,3	19,5	16,7	16,9	17,8	18,0	19,2
12H	4H	16,7	17,0	17,6	18,0	19,1	16,3	16,6	17,3	17,6	18,8
	6H	17,0	17,2	18,0	18,3	19,5	16,7	16,9	17,7	18,0	19,2
	8H	17,0	17,2	18,1	18,3	19,5	16,7	16,9	17,8	18,0	19,2
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,2					0,1 / -0,2				
S = 1.5H		0,3 / -0,4					0,3 / -0,5				
S = 2.0H		0,7 / -0,9					0,6 / -0,9				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1240 lm total luminous flux											

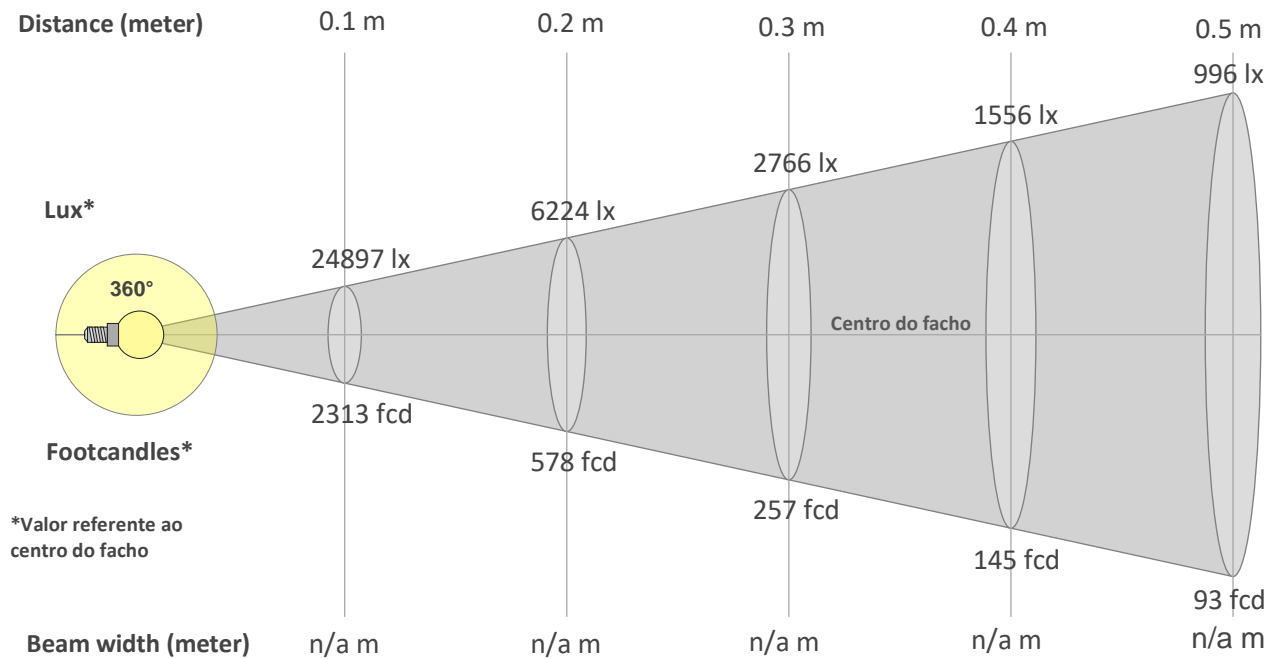
Coeficiente de utilização

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	107	107	107	107	98	98	98	98	82	82	82	67	67	67	54	54	54	48
1	98	93	90	86	90	86	83	80	72	70	68	60	58	57	48	47	46	41
2	89	82	76	71	82	75	70	66	64	60	57	53	50	48	43	41	39	34
3	81	72	65	59	75	67	60	55	56	52	48	47	43	41	38	36	34	29
4	74	64	56	50	68	59	52	47	50	45	41	42	38	35	34	31	29	25
5	68	57	49	43	63	53	46	40	45	39	35	38	34	30	31	28	25	22
6	63	51	43	37	58	47	40	35	40	35	31	34	30	27	28	25	22	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	22	20	17
8	54	42	34	29	50	39	32	27	34	28	24	28	24	21	23	20	18	16
9	50	38	31	26	46	36	29	24	31	25	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

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
249lx	62lx	28lx	16lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
23,1fcd	5,8fcd	2,6fcd	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°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	244	229	206	176	144	109	75	41	12	2	13	40	76	113	151	187	221	248	265
100%	98%	92%	83%	71%	58%	44%	30%	16%	5%	1%	5%	16%	30%	45%	61%	75%	89%	100%	106%

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°
249	242	225	199	168	134	101	68	37	12	2	15	43	79	119	160	202	241	273	295
100%	97%	90%	80%	67%	54%	41%	27%	15%	5%	1%	6%	17%	32%	48%	64%	81%	97%	110%	118%

Intensities in 180° c-plane

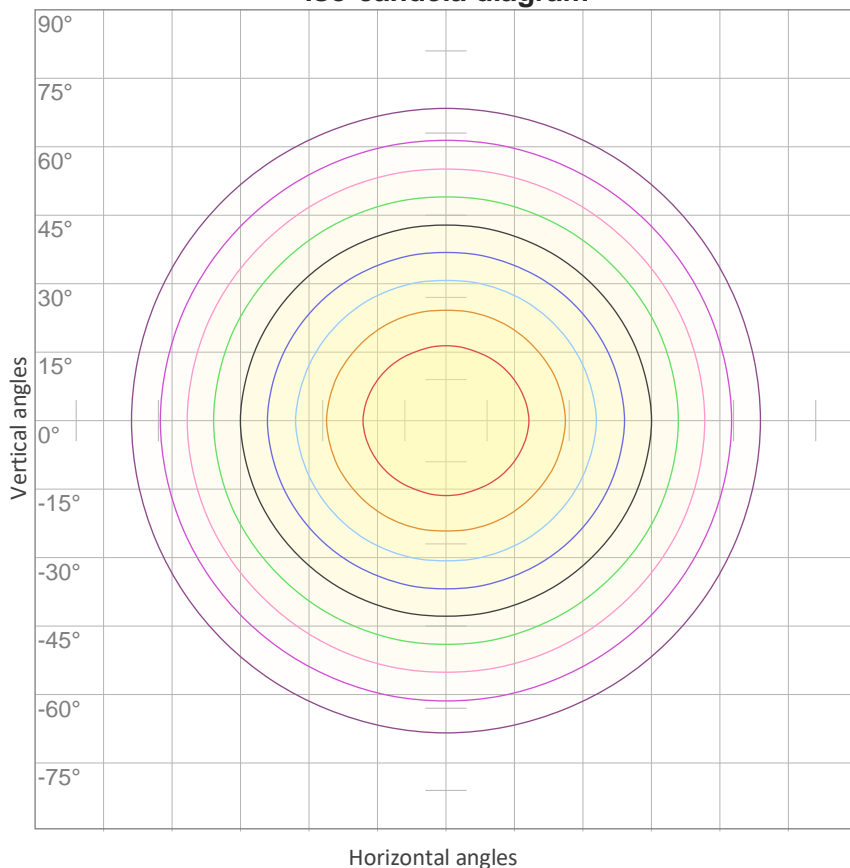
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	244	229	206	176	144	109	75	41	12	2	13	40	76	113	151	187	221	248	265
100%	98%	92%	83%	71%	58%	44%	30%	16%	5%	1%	5%	16%	30%	45%	61%	75%	89%	100%	106%

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°
249	242	225	199	168	134	101	68	37	12	2	15	43	79	119	160	202	241	273	295
100%	97%	90%	80%	67%	54%	41%	27%	15%	5%	1%	6%	17%	32%	48%	64%	81%	97%	110%	118%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	39,6%	28,1%

iso-candela diagram



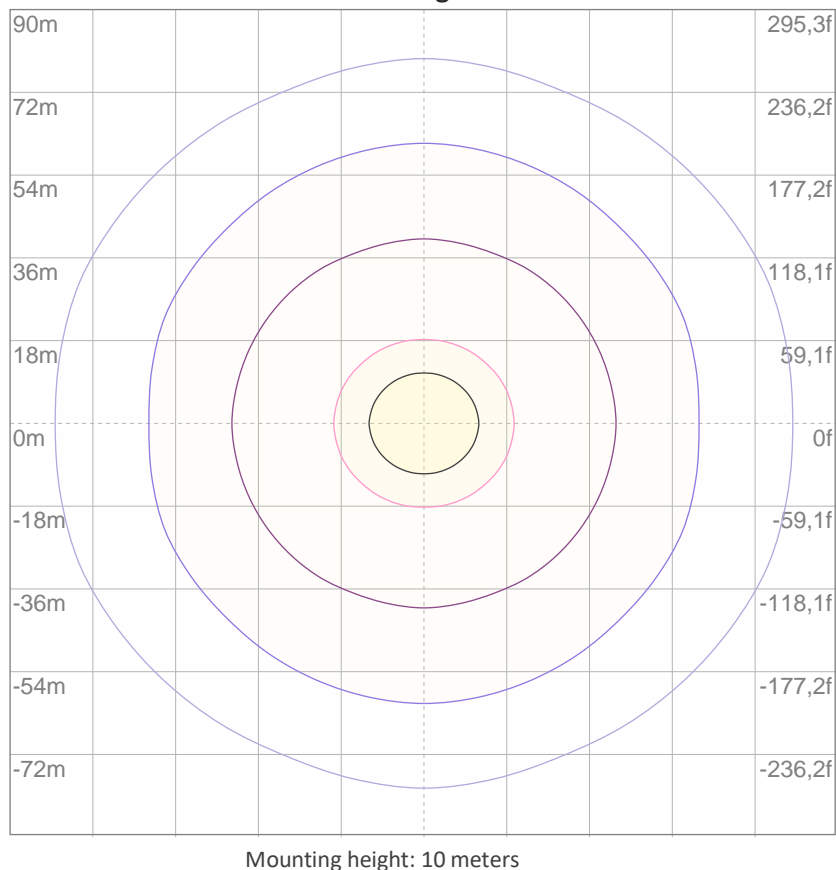
10%	25 cd
20%	50 cd
30%	75 cd
40%	100 cd
50%	124 cd
60%	149 cd
70%	174 cd
80%	199 cd
90%	224 cd

Conditions:

Number of c-planes: 16

Candela at center: 249 cd

iso-lux diagram



3%	74,7m lx
5%	0,124 lx
10%	0,249 lx
30%	0,747 lx
50%	1,24 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,49 lx

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

Potência

Vttagem: 12,0 V

Corrente: 2,48 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a