

K39N SLED9020N BRANCA FITA 20WM 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. Quantidade lumens esta proporcional a soma de lumens superior e inferior.

Fluxo luminoso – 1816 lm/m

Potência – 42,7 W/m

Intensidade pico – 368cd

CCT – 3457K



IRC – 97,2

Coordenada CIE 1931 – x- 0,408 y- 0,393

A x L - 115x38

Peso - 2,20kg/m

IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

17/08/2021 07:22:16

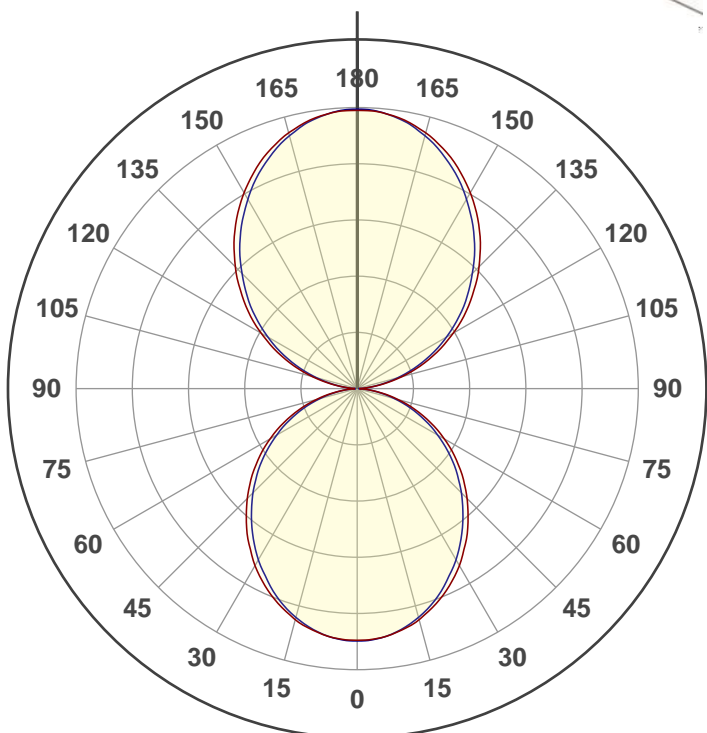
Rf 94,2

Fidelity index Rf

Rg 100,7

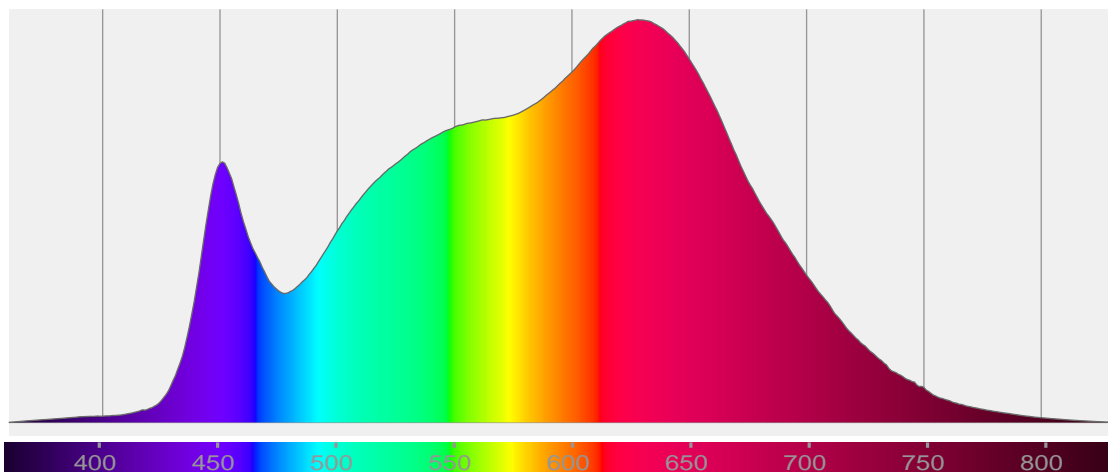
Gamut index Rg

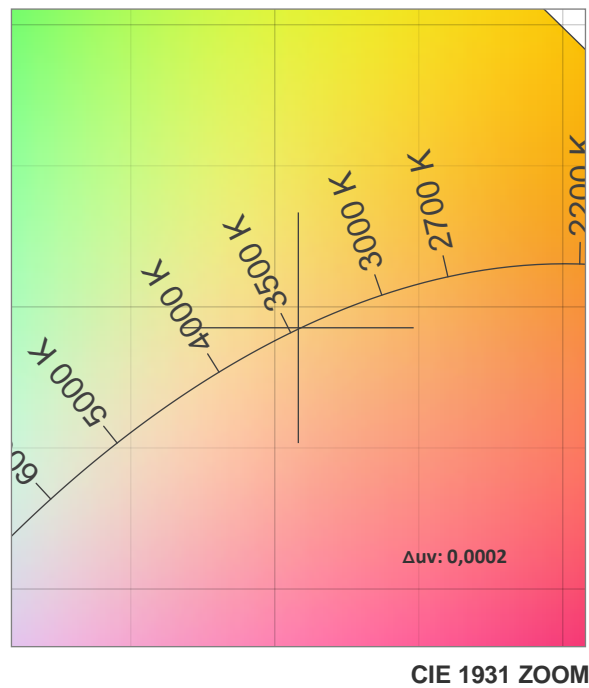
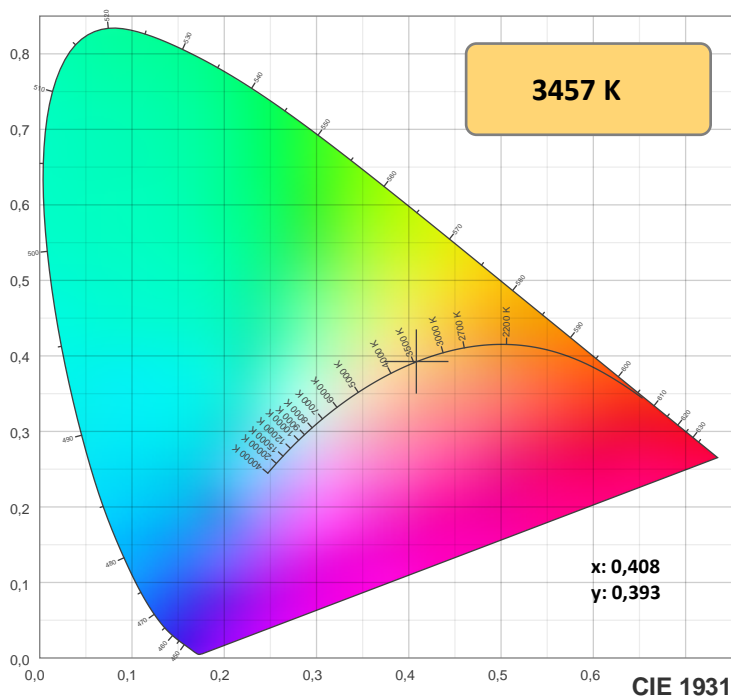
Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	96	-2%	0%
2	97	-1%	0%
3	95	0%	2%
4	96	-1%	1%
5	94	-2%	1%
6	97	1%	1%
7	96	-1%	1%
8	97	0%	1%
9	96	-1%	3%
10	91	-1%	6%
11	89	3%	7%
12	92	4%	2%
13	96	2%	-2%
14	92	5%	-4%
15	93	1%	-4%
16	91	1%	-5%



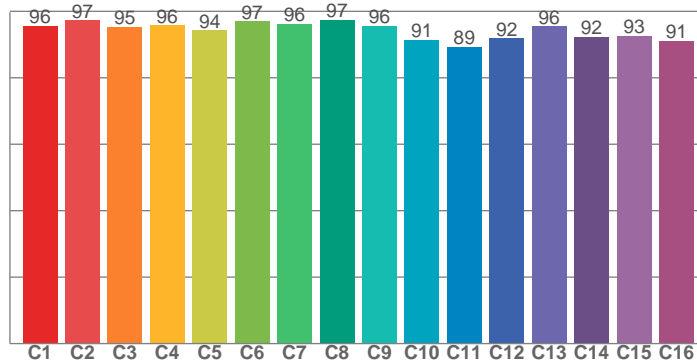
Facho de abertura

360°

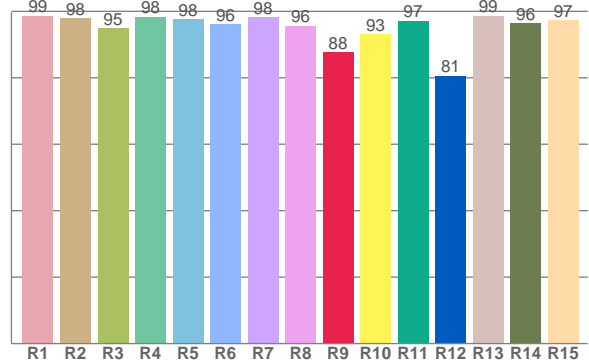




TM-30: 94,2



CRI: 97,2 (R1-R8)



CRiRa R1-R8 / CRiRe R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,7	97,9	94,9	98,3	97,6	96,1	98,2	95,7	87,6	93,2	97,2	80,7	98,6	96,3	97,2

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,5	97,3	95,4	95,7	94,3	96,9	96,2	97,4	95,5	91,4	89,2	91,8	95,5	92,3	92,7	91,1

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
3457 K	97,2	87,6	94,2	100,7	95,7	0,408	0,393	0,237	0,342	0,0002

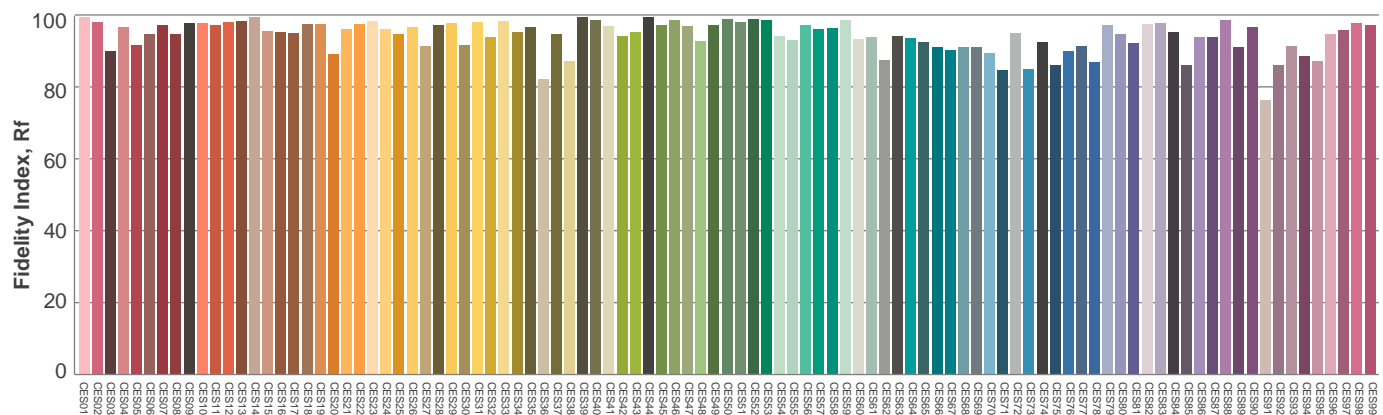
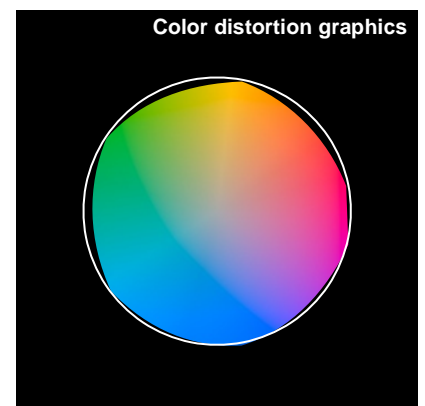
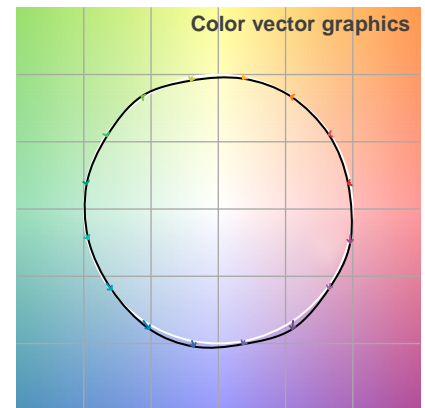
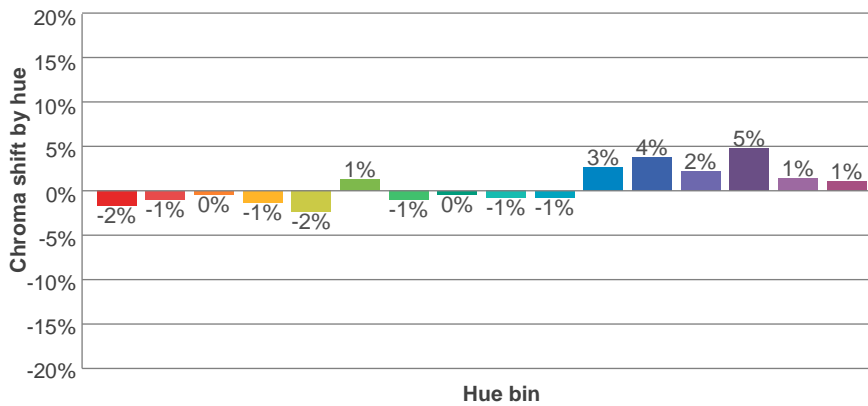
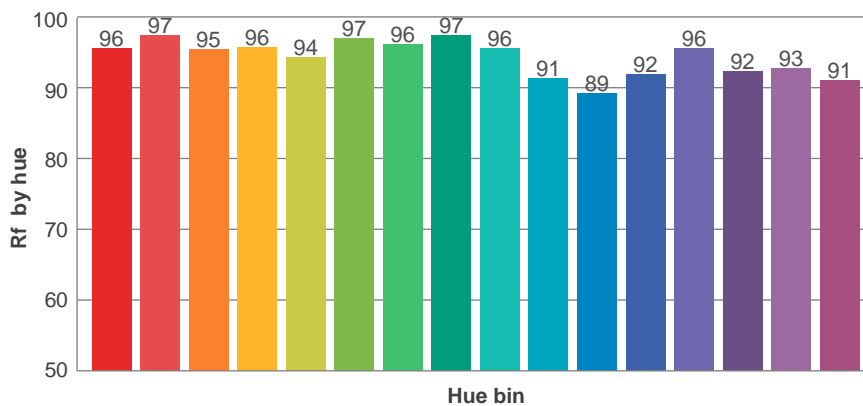
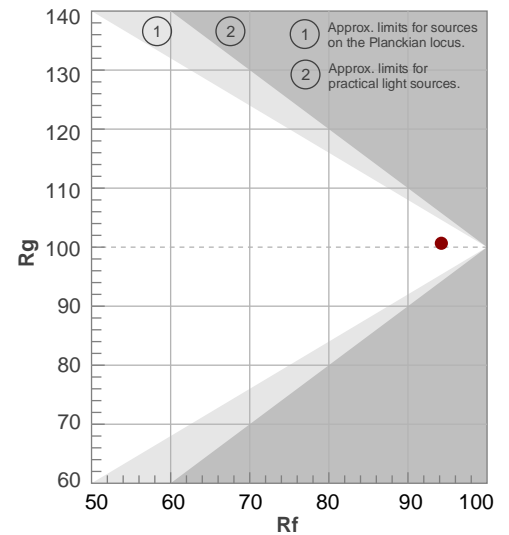
Rf 94,2

Fidelity index R_f

Rg 100,7

Gamut index Rg

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



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

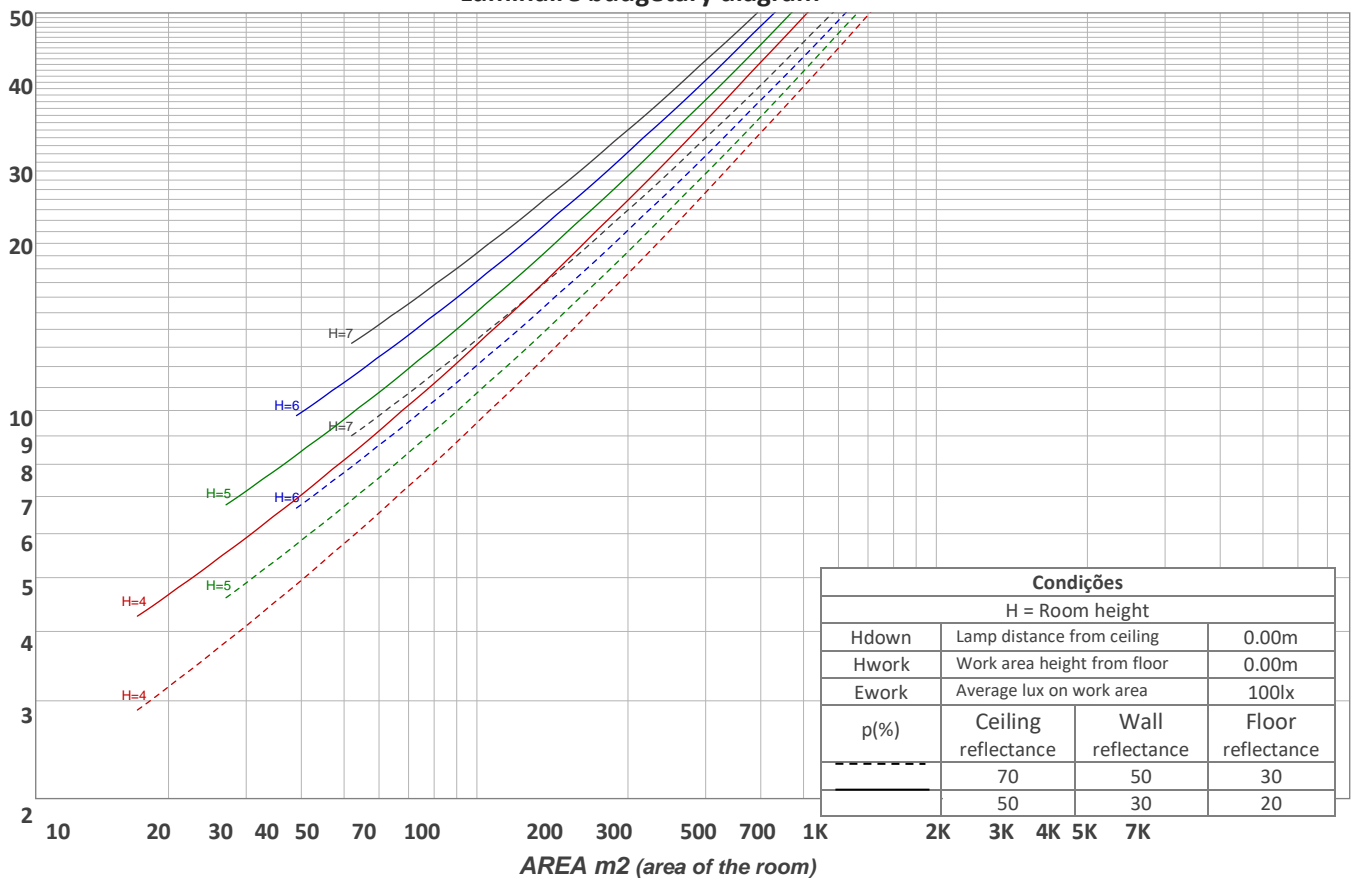
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	16,0	16,8	16,9	17,6	18,8	15,7	16,5	16,6	17,3	18,5
	3H	17,3	18,1	18,3	18,9	20,1	17,0	17,7	18,0	18,6	19,8
	4H	17,9	18,6	18,9	19,5	20,6	17,5	18,2	18,5	19,1	20,2
	6H	18,3	18,8	19,2	19,8	21,0	17,9	18,4	18,8	19,4	20,6
	8H	18,4	19,0	19,3	19,9	21,1	17,9	18,6	18,9	19,5	20,6
	12H	18,4	19,1	19,3	19,9	21,1	18,0	18,7	18,9	19,5	20,7
4H	2H	16,4	17,1	17,4	18,0	19,1	16,2	16,9	17,2	17,8	18,9
	3H	18,0	18,7	18,9	19,5	20,7	17,7	18,5	18,7	19,3	20,4
	4H	18,6	19,6	19,6	20,1	21,3	18,3	19,3	19,3	19,8	21,0
	6H	19,0	19,6	20,1	20,5	21,6	18,7	19,3	19,7	20,1	21,3
	8H	19,2	19,6	20,2	20,6	21,7	18,8	19,2	19,8	20,2	21,4
	12H	19,2	19,6	20,2	20,6	21,7	18,9	19,2	19,9	20,2	21,4
8H	4H	18,7	19,1	19,7	20,1	21,3	18,5	18,9	19,5	19,9	21,0
	6H	19,3	19,6	20,3	20,7	21,8	19,0	19,3	20,0	20,4	21,5
	8H	19,5	19,7	20,6	20,8	22,0	19,2	19,4	20,2	20,5	21,7
	12H	19,6	19,8	20,7	20,9	22,1	19,3	19,5	20,4	20,6	21,7
12H	4H	18,7	19,0	19,7	20,1	21,2	18,5	18,8	19,4	19,8	20,9
	6H	19,3	19,6	20,4	20,6	21,9	19,0	19,3	20,1	20,3	21,6
	8H	19,5	19,8	20,6	20,8	22,0	19,2	19,5	20,3	20,5	21,7
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 / -0,2					0,2 / -0,3				
S = 2.0H		0,5 / -0,6					0,4 / -0,6				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1816 lm total luminous flux											

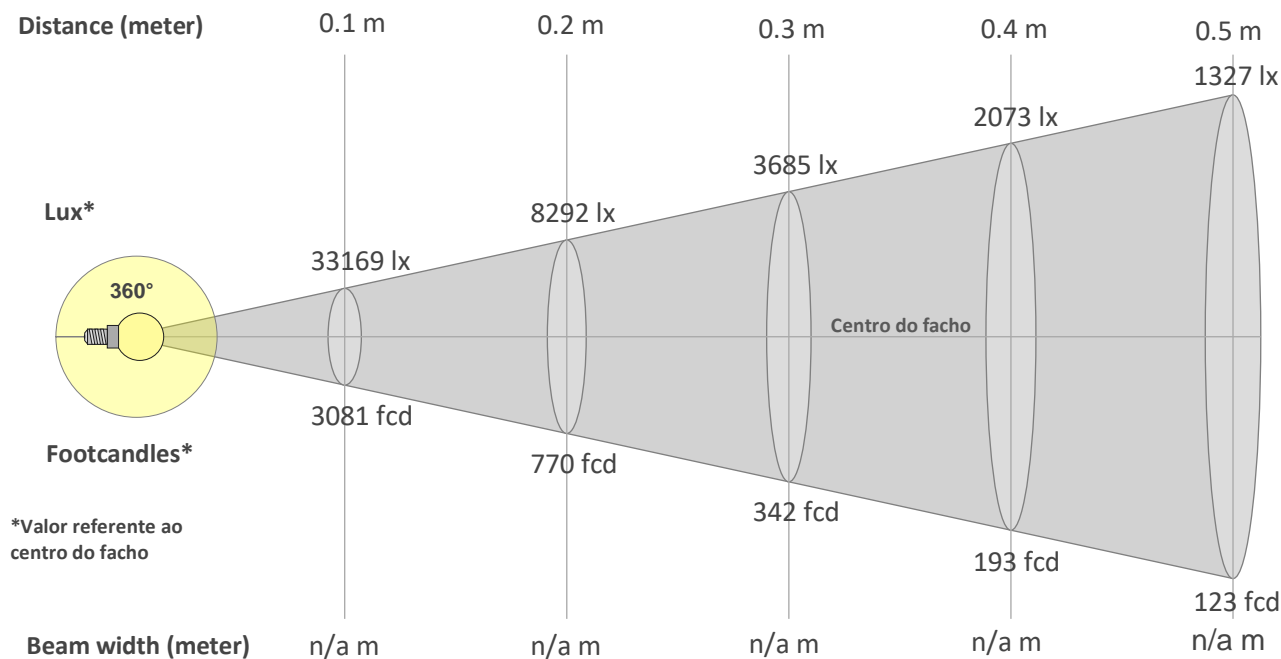
Coeficiente de utilização

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	47
1	97	93	89	86	89	86	82	79	72	69	67	59	58	56	48	46	45	40
2	88	81	75	70	81	75	69	65	63	59	56	52	49	47	42	40	38	33
3	81	71	64	58	74	66	59	54	55	51	47	46	42	39	37	35	32	28
4	74	63	55	49	68	58	51	46	49	44	40	41	37	34	33	30	28	24
5	68	56	48	42	62	52	45	39	44	38	34	37	33	29	30	27	24	21
6	62	50	42	36	57	47	39	34	40	34	30	33	29	26	27	24	21	18
7	58	45	37	32	53	42	35	30	36	30	26	30	26	23	25	21	19	16
8	53	41	33	28	49	38	31	27	33	27	23	28	23	20	23	19	17	15
9	50	38	30	25	46	35	28	24	30	25	21	25	21	18	21	18	15	13
10	46	34	27	22	43	32	26	21	28	22	19	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
332lx	83lx	37lx	21lx	13lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
30,8fcd	7,7fcd	3,4fcd	1,9fcd	1,2fcd	0,9fcd	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	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°
332	325	307	280	245	205	162	118	72	27	3	30	78	129	179	227	271	310	341	361
100%	98%	93%	84%	74%	62%	49%	35%	22%	8%	1%	9%	24%	39%	54%	68%	82%	93%	103%	109%

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°
332	325	304	272	235	194	152	108	65	25	2	27	71	120	168	214	260	301	336	359
100%	98%	92%	82%	71%	59%	46%	33%	20%	8%	1%	8%	21%	36%	51%	65%	78%	91%	101%	108%

Intensities in 180° c-plane

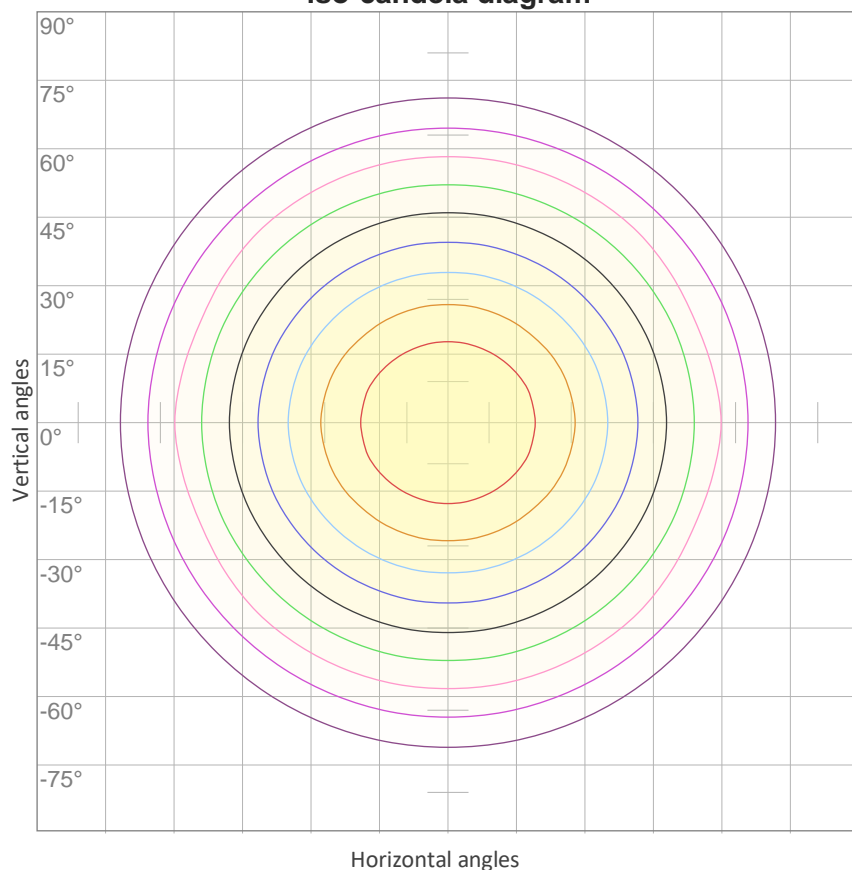
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
332	325	307	280	245	205	162	118	72	27	3	30	78	129	179	227	271	310	341	361
100%	98%	93%	84%	74%	62%	49%	35%	22%	8%	1%	9%	24%	39%	54%	68%	82%	93%	103%	109%

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°
332	325	304	272	235	194	152	108	65	25	2	27	71	120	168	214	260	301	336	359
100%	98%	92%	82%	71%	59%	46%	33%	20%	8%	1%	8%	21%	36%	51%	65%	78%	91%	101%	108%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	38,1%	26,4%

iso-candela diagram



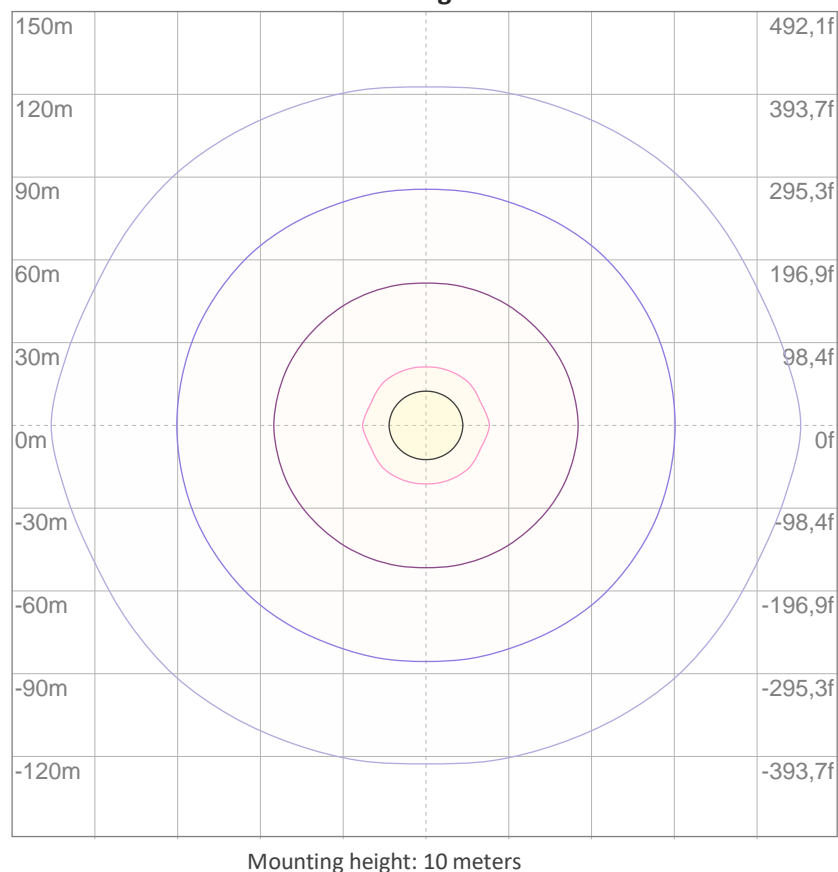
10%	33 cd
20%	66 cd
30%	100 cd
40%	133 cd
50%	166 cd
60%	199 cd
70%	232 cd
80%	265 cd
90%	299 cd

Conditions:

Number of c-planes: 16

Candela at center: 332 cd

iso-lux diagram



3%	99,5m lx
5%	0,166 lx
10%	0,332 lx
30%	0,995 lx
50%	1,66 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,32 lx

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

Potência

Vttagem: 12,0 V

Corrente: 3,56 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a