

K39N SLED9020N BRANCA FITA 19WM 2400K 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 – 1838 lm/m

Potência – 37,6 W/m

Intensidade pico – 414cd

CCT – 2453K



IRC – 94,8

Coordenada CIE 1931 – x- 0,488 y- 0,425

A x L - 115x38

Peso - 2,20kg/m

IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

20/03/2023 16:35:08

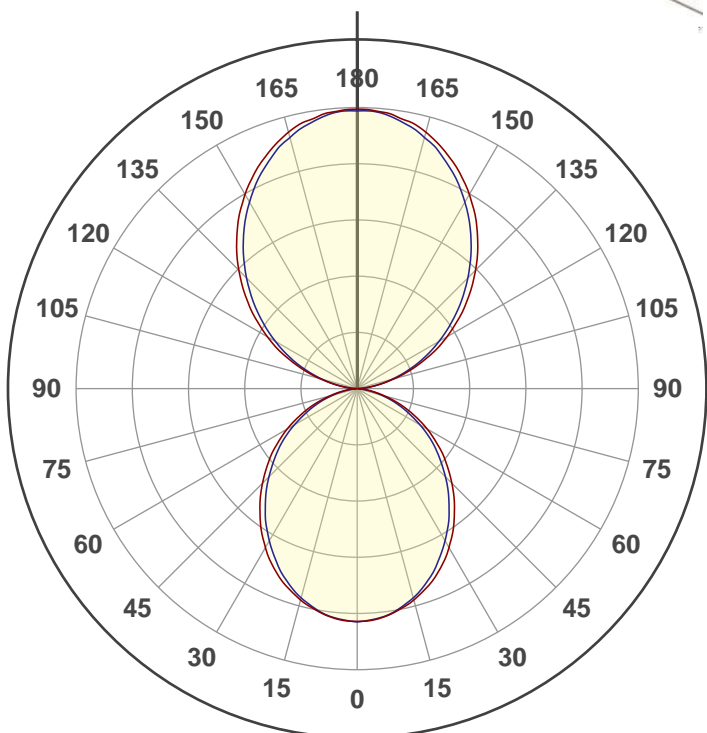
Rf 93,2

Fidelity index Rf

Rg 96,2

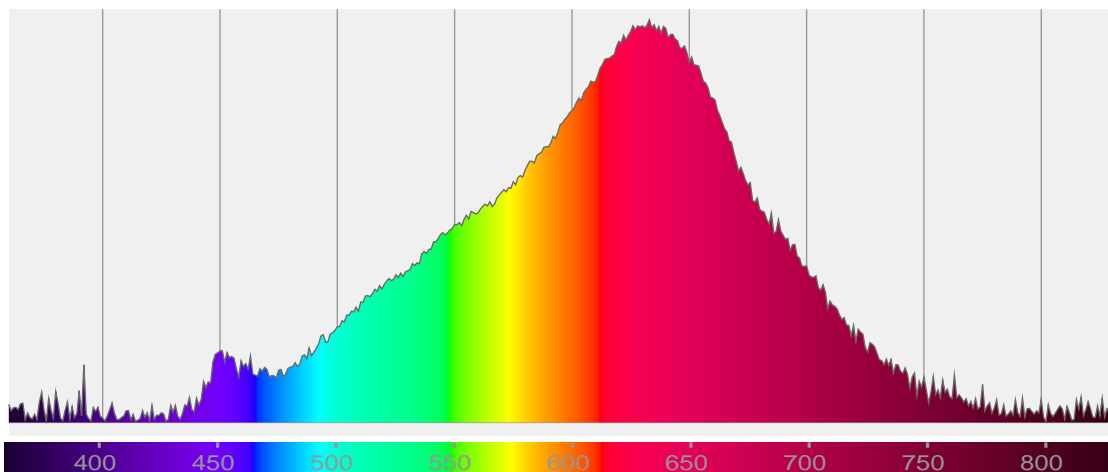
Gamut index Rg

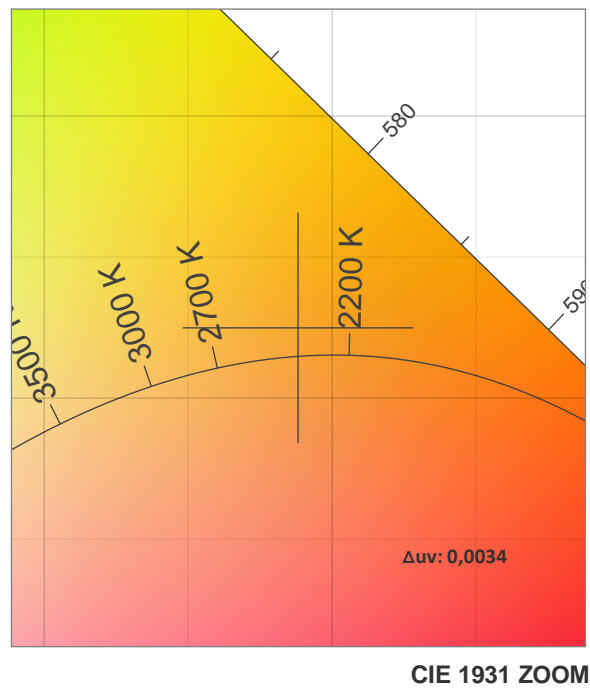
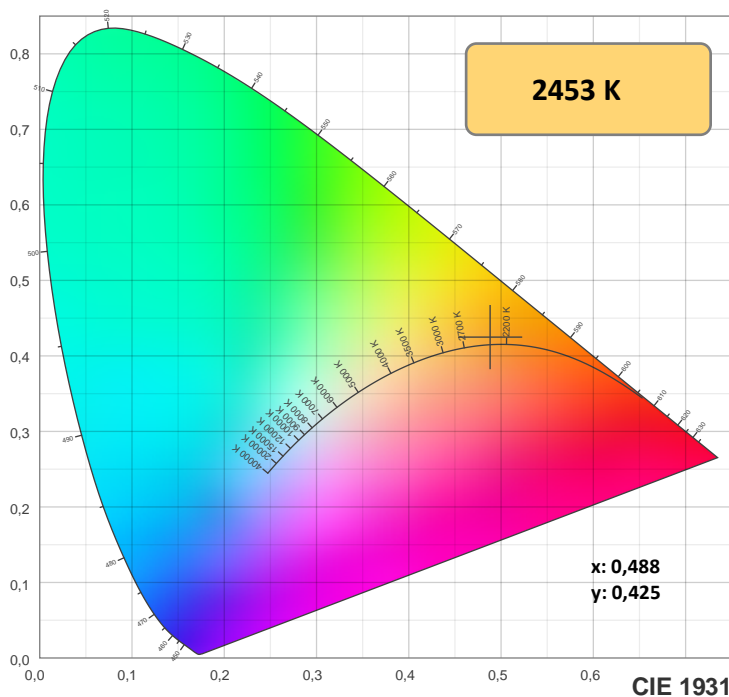
		Shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	93	-3%	0%
2	94	-3%	0%
3	94	-3%	0%
4	93	-5%	-1%
5	94	-5%	2%
6	93	-3%	4%
7	93	-3%	3%
8	94	-1%	4%
9	94	-1%	3%
10	93	-1%	4%
11	94	2%	4%
12	94	2%	-1%
13	92	1%	-8%
14	91	0%	-6%
15	94	-3%	-1%
16	91	-3%	-6%



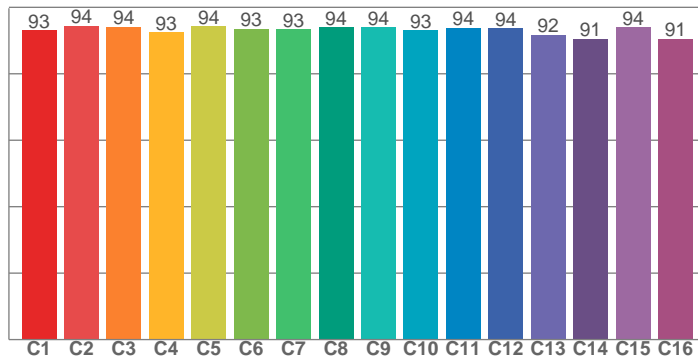
Facho de abertura

360°

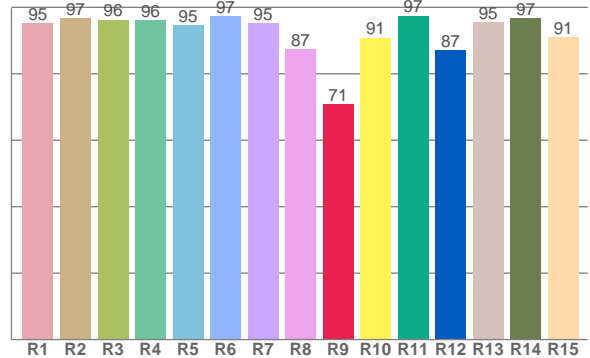




TM-30: 93,2



CRI: 94,8 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
95,2	96,6	96,3	96,1	94,6	97,3	95,3	87,4	70,7	90,9	97,4	87,0	95,5	96,7	90,9

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,0	94,4	94,1	92,5	94,3	93,5	93,4	94,0	94,0	93,1	93,7	93,7	91,8	90,5	93,9	90,5

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
2453 K	94,8	70,7	93,2	96,2	87,7	0,488	0,425	0,274	0,358	0,0034

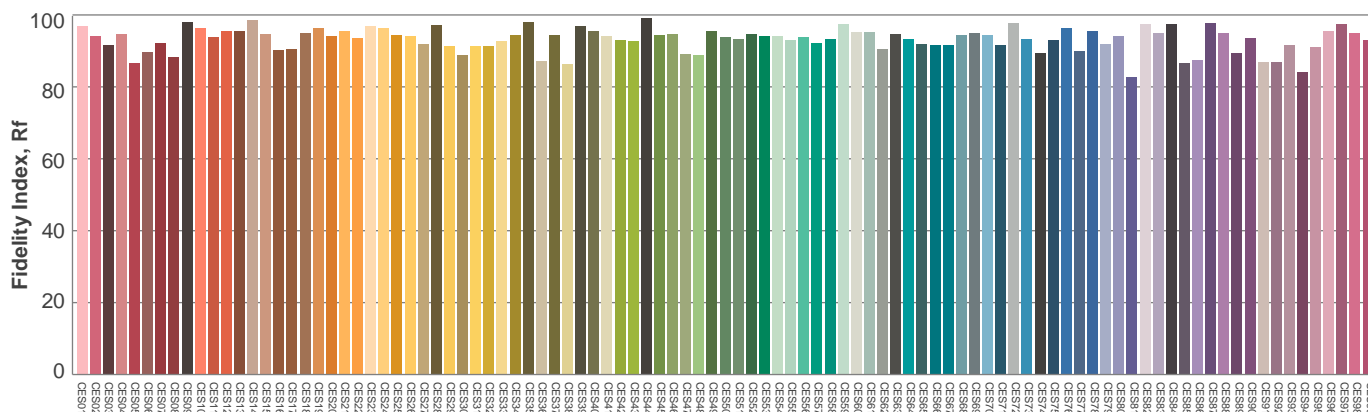
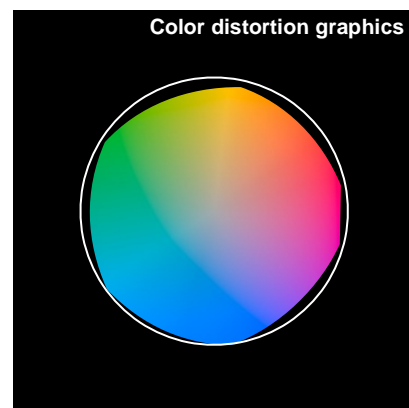
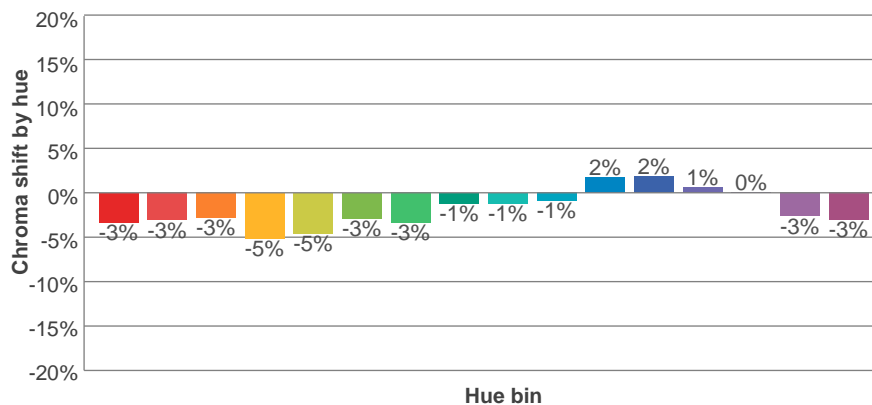
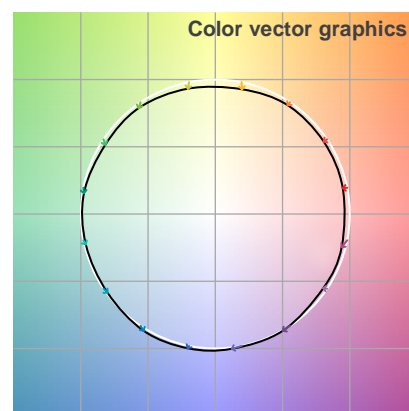
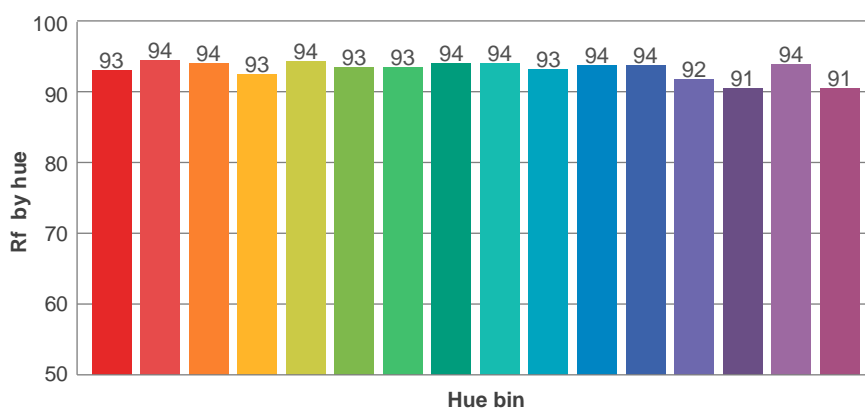
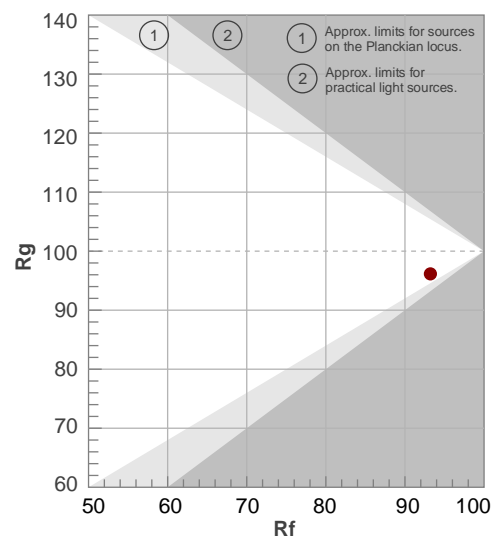
Rf 93,2

Fidelity index Rf

Rg 96,2

Gamut index Rg

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



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

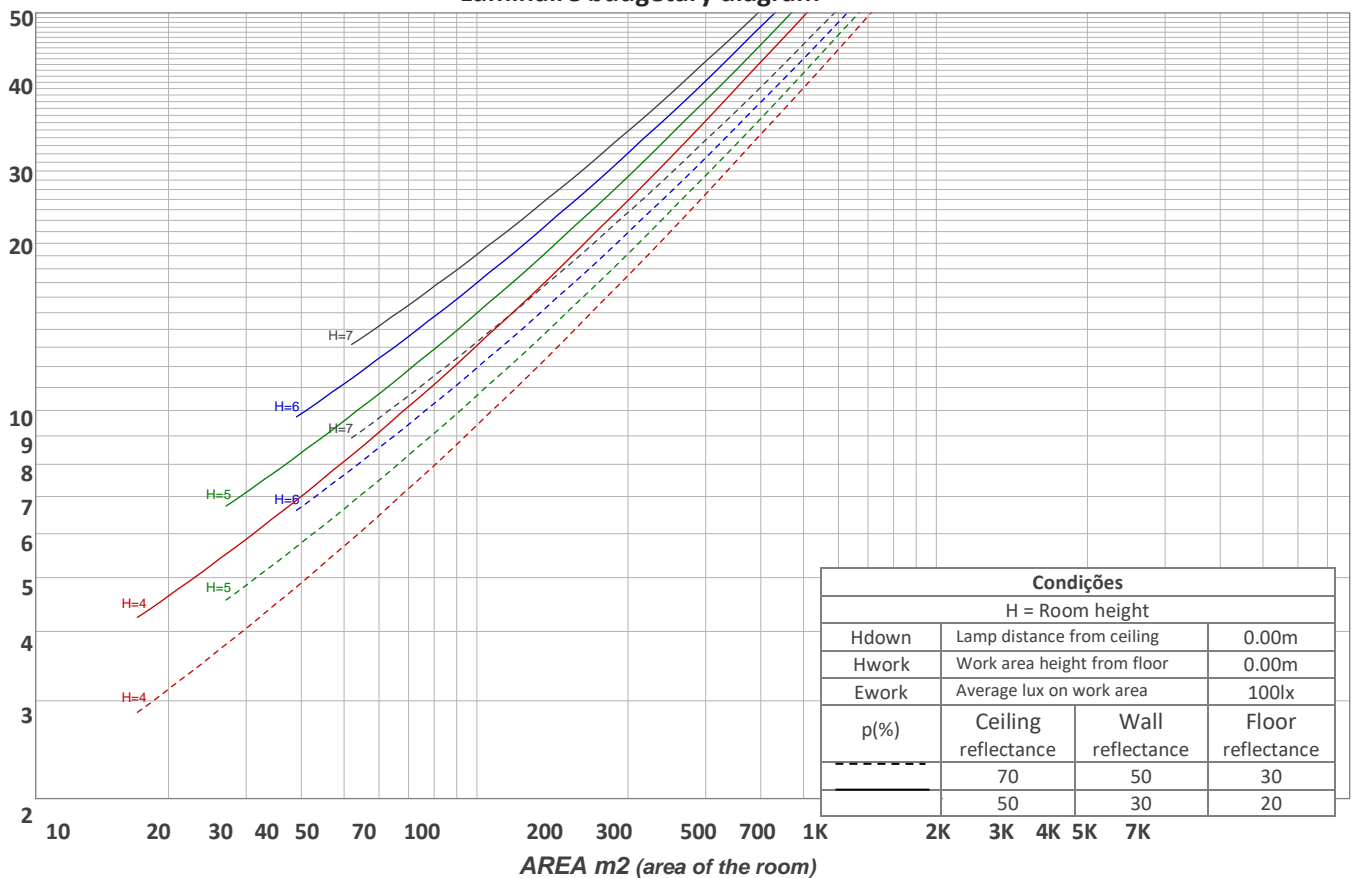
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	15,3	16,1	16,3	17,0	18,2	14,9	15,7	15,9	16,5	17,8
	3H	16,4	17,2	17,4	18,0	19,2	16,0	16,7	17,0	17,6	18,7
	4H	16,8	17,5	17,8	18,4	19,6	16,3	17,0	17,3	17,9	19,1
	6H	17,0	17,6	18,0	18,6	19,8	16,5	17,0	17,4	18,0	19,2
	8H	17,1	17,7	18,0	18,6	19,8	16,5	17,1	17,5	18,0	19,2
	12H	17,1	17,8	18,0	18,6	19,8	16,5	17,2	17,4	18,0	19,2
4H	2H	15,7	16,3	16,7	17,2	18,4	15,3	16,0	16,3	16,9	18,1
	3H	17,0	17,7	18,0	18,5	19,7	16,6	17,3	17,6	18,1	19,3
	4H	17,4	18,4	18,4	19,0	20,2	17,0	18,0	18,0	18,5	19,7
	6H	17,7	18,2	18,7	19,1	20,3	17,2	17,8	18,3	18,7	19,9
	8H	17,8	18,1	18,8	19,1	20,3	17,3	17,7	18,3	18,7	19,8
	12H	17,8	18,1	18,8	19,1	20,3	17,3	17,5	18,3	18,6	19,8
8H	4H	17,5	17,9	18,5	18,9	20,1	17,1	17,5	18,1	18,5	19,7
	6H	17,9	18,1	18,9	19,2	20,4	17,5	17,7	18,5	18,8	20,0
	8H	18,0	18,2	19,0	19,3	20,5	17,5	17,8	18,6	18,9	20,1
	12H	18,0	18,2	19,1	19,3	20,5	17,5	17,8	18,6	18,8	20,0
12H	4H	17,5	17,7	18,5	18,8	20,0	17,1	17,4	18,1	18,4	19,6
	6H	17,8	18,1	18,9	19,2	20,4	17,5	17,7	18,5	18,8	20,0
	8H	18,0	18,2	19,0	19,2	20,4	17,6	17,8	18,6	18,8	20,0
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,2				
S = 1.5H		0,2 / -0,4					0,3 / -0,5				
S = 2.0H		0,6 / -0,8					0,6 / -0,9				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1838 lm total luminous flux											

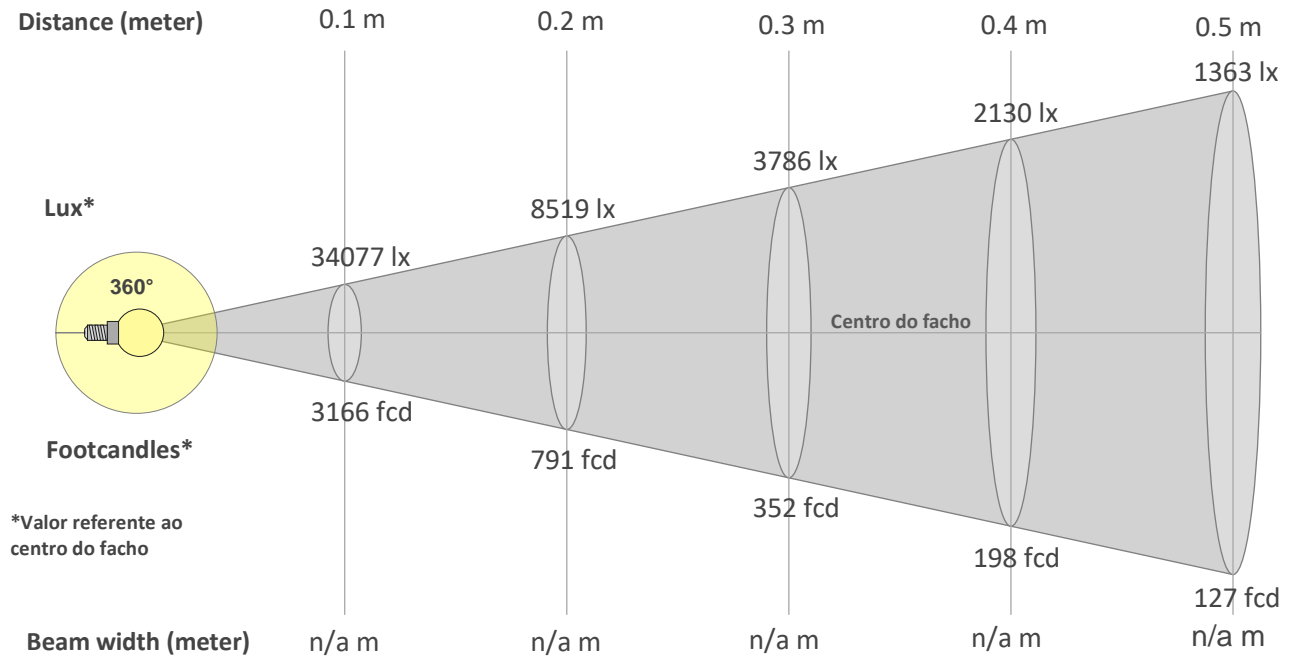
Coeficiente de utilização

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	97	97	97	97	80	80	80	65	65	65	51	51	51	44
1	97	92	89	85	88	85	82	79	71	68	66	57	56	54	45	44	43	38
2	88	81	75	70	81	74	69	65	62	58	55	51	48	46	40	38	37	32
3	80	71	64	58	73	66	59	54	55	50	46	45	42	39	36	33	31	27
4	74	63	55	49	67	58	51	46	49	44	40	40	36	33	32	29	27	23
5	68	56	48	42	62	52	45	40	44	38	34	36	32	29	29	26	24	20
6	62	50	42	37	57	47	39	34	39	34	30	32	28	25	26	23	21	18
7	58	45	38	32	53	42	35	30	36	30	26	29	25	22	24	21	19	16
8	53	41	34	28	49	38	31	27	32	27	23	27	23	20	22	19	17	14
9	50	38	30	25	45	35	28	24	30	24	21	25	21	18	20	17	15	13
10	46	34	27	23	42	32	26	21	27	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
341lx	85lx	38lx	21lx	14lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
31,7fcd	7,9fcd	3,5fcd	2fcd	1,3fcd	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°
341	333	312	282	241	196	150	102	56	19	3	25	75	133	190	245	297	342	379	401
100%	98%	92%	83%	71%	58%	44%	30%	17%	5%	1%	7%	22%	39%	56%	72%	87%	100%	111%	118%

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°
341	332	308	271	229	183	138	91	50	14	3	25	69	121	174	229	283	331	371	397
100%	97%	90%	79%	67%	54%	40%	27%	15%	4%	1%	7%	20%	35%	51%	67%	83%	97%	109%	117%

Intensities in 180° c-plane

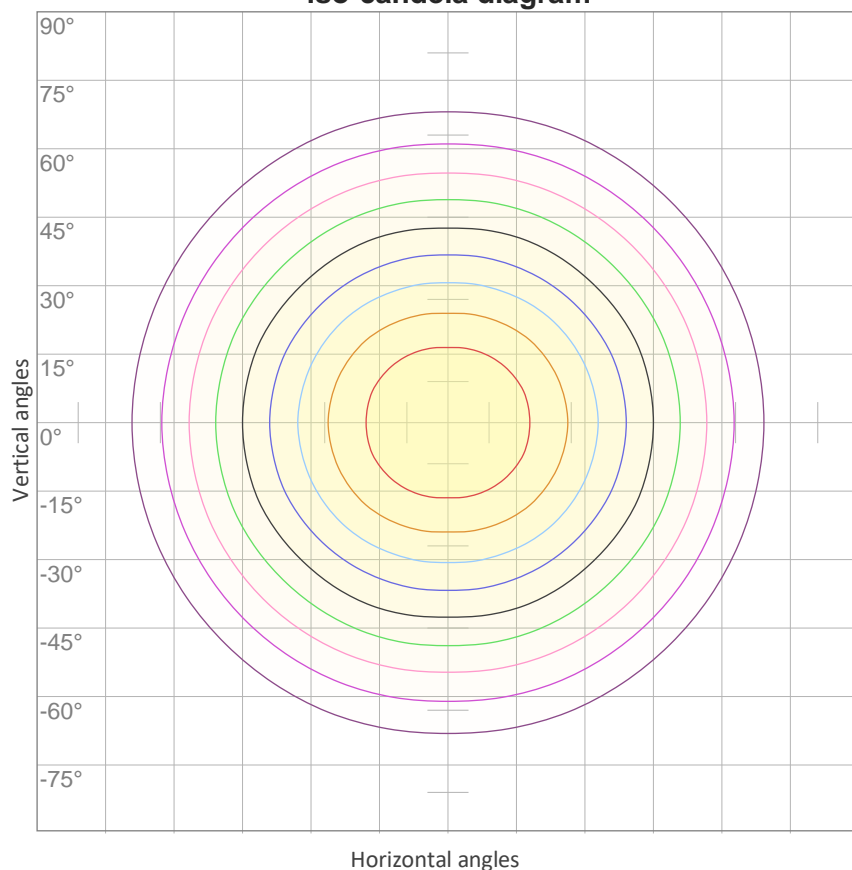
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
341	333	312	282	241	196	150	102	56	19	3	25	75	133	190	245	297	342	379	401
100%	98%	92%	83%	71%	58%	44%	30%	17%	5%	1%	7%	22%	39%	56%	72%	87%	100%	111%	118%

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°
341	332	308	271	229	183	138	91	50	14	3	25	69	121	174	229	283	331	371	397
100%	97%	90%	79%	67%	54%	40%	27%	15%	4%	1%	7%	20%	35%	51%	67%	83%	97%	109%	117%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	36,6%	25,6%

iso-candela diagram



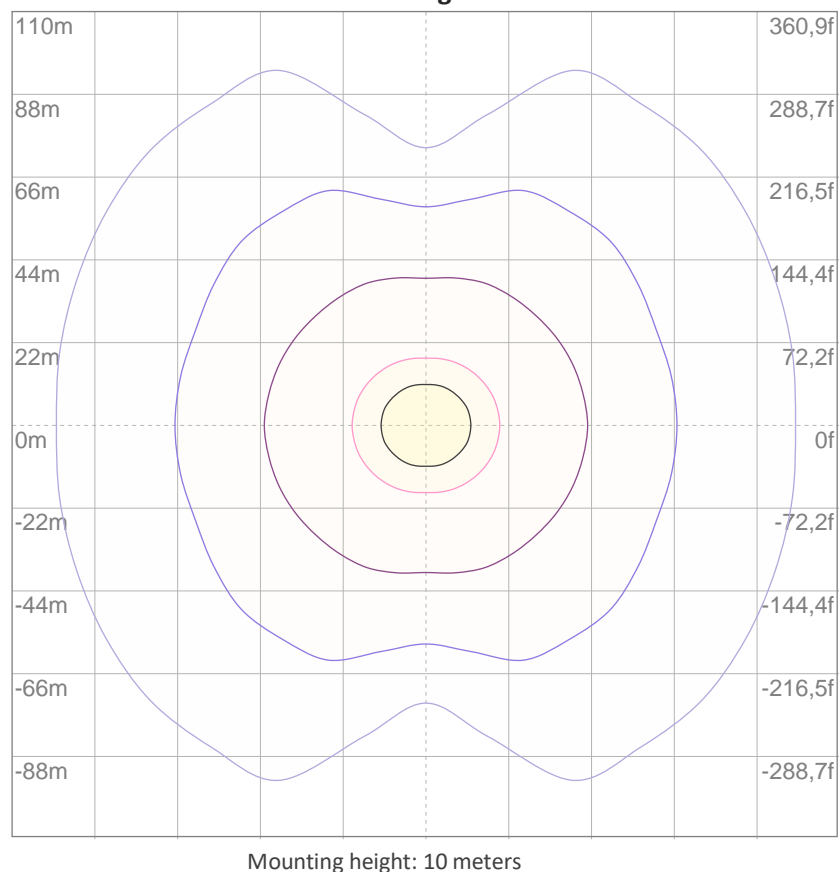
10%	34 cd
20%	68 cd
30%	102 cd
40%	136 cd
50%	170 cd
60%	204 cd
70%	239 cd
80%	273 cd
90%	307 cd

Conditions:

Number of c-planes: 16

Candela at center: 341 cd

iso-lux diagram



3%	0,102 lx
5%	0,170 lx
10%	0,341 lx
30%	1,02 lx
50%	1,70 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,41 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