

K39N SLED9020N BRANCA BARRA 23W 3000K 90 - 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 – 2314 lm/m

Potência – 45,7 W/m

Intensidade pico – 438cd

CCT – 3000K



IRC – 92,9

Coordenada CIE 1931 – x- 0,432 y- 0,394

A x L - 115x38

Peso - 2,20kg/m

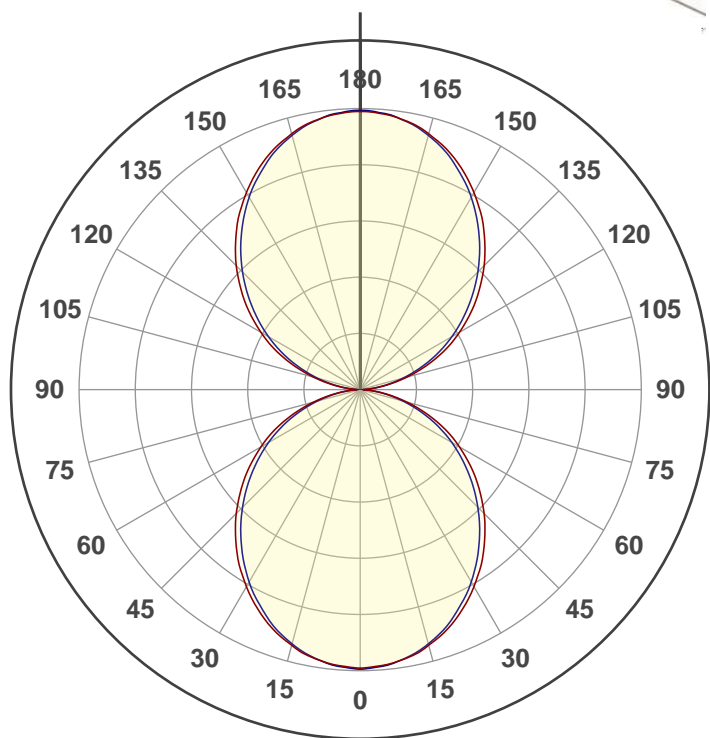
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

06/10/2022 10:41:44



Facho de abertura

360°

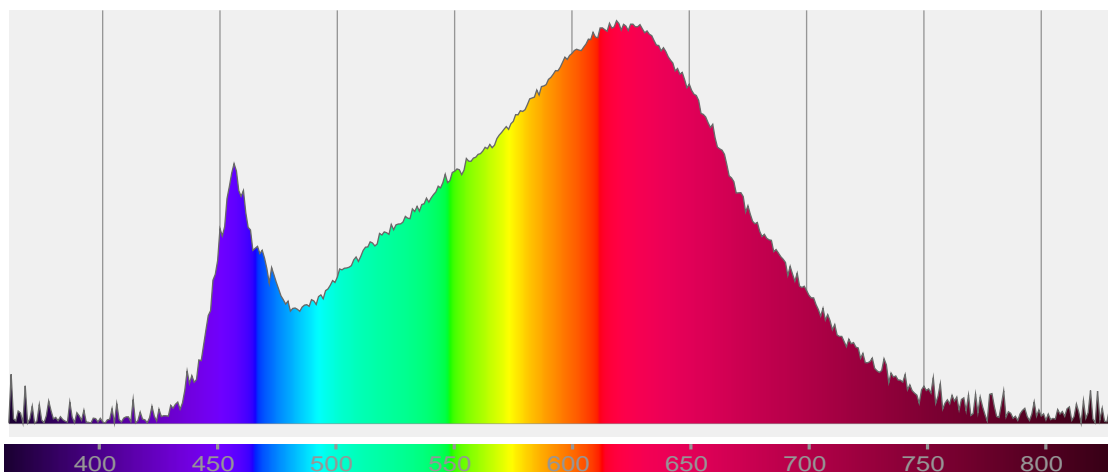
Rf 90,3

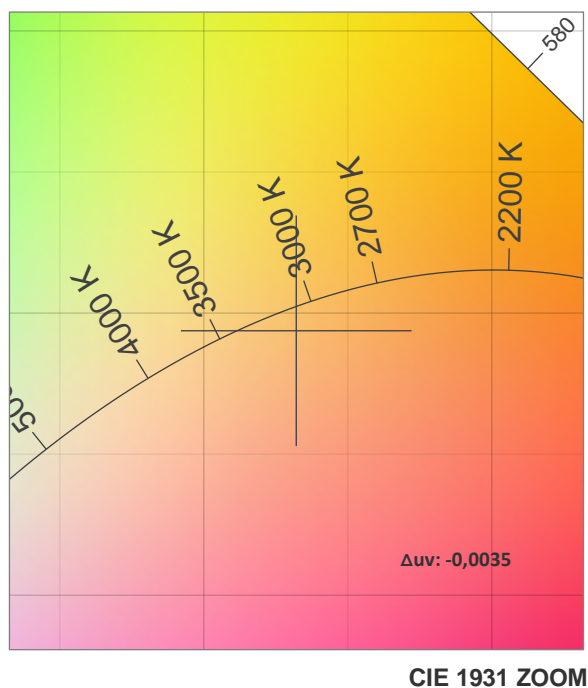
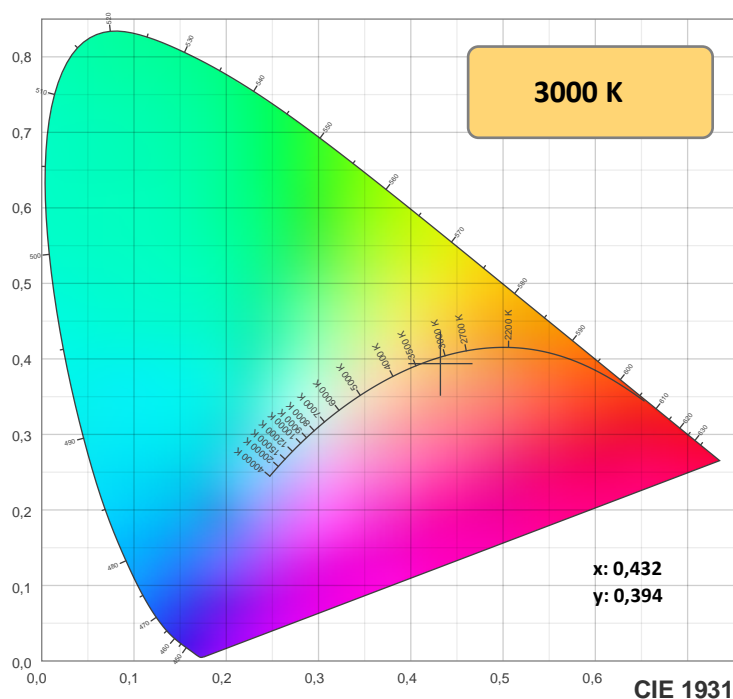
Fidelity index Rf

Rg 98,2

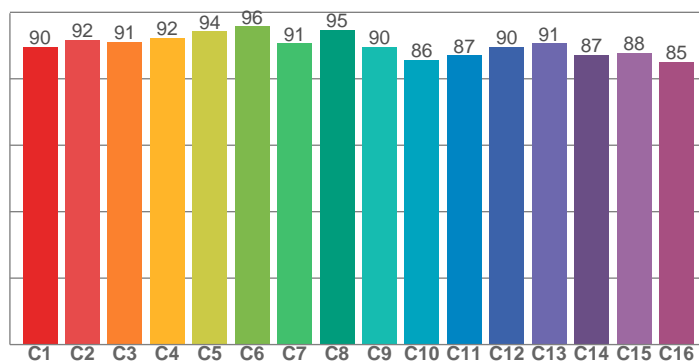
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	90	-5%	2%
2	92	-3%	3%
3	91	-1%	4%
4	92	-3%	0%
5	94	-2%	1%
6	96	0%	-1%
7	91	-5%	1%
8	95	-2%	2%
9	90	-2%	6%
10	86	1%	9%
11	87	4%	9%
12	90	6%	0%
13	91	2%	-7%
14	87	4%	-10%
15	88	-2%	-6%
16	85	-3%	-11%

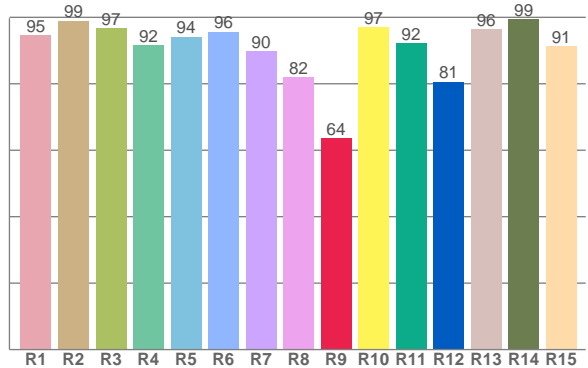




TM-30: 90,3



CRI: 92,9 (R1-R8)



CRi R1-R8 / CRi R9-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
94,6	99,0	96,7	91,6	94,2	95,6	89,7	82,0	63,6	97,0	92,2	80,6	96,4	99,3	91,4

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
89,6	91,7	91,1	92,2	94,2	95,7	90,6	94,7	89,6	85,7	87,1	89,6	90,6	87,2	87,8	85,1

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
3000 K	92,9	63,6	90,3	98,2	90,1	0,432	0,394	0,252	0,344	-0,0035

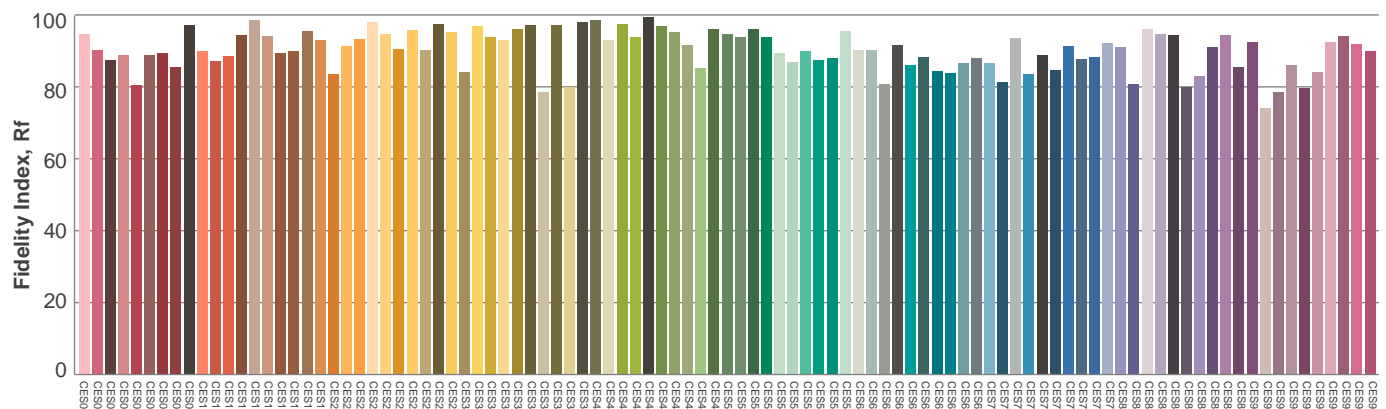
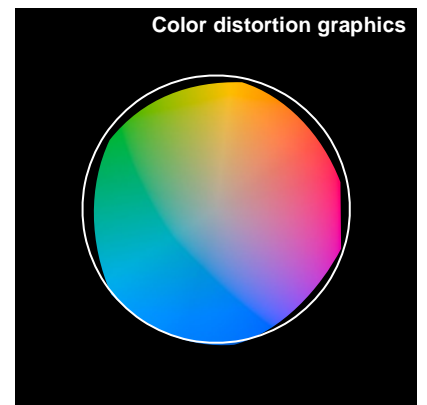
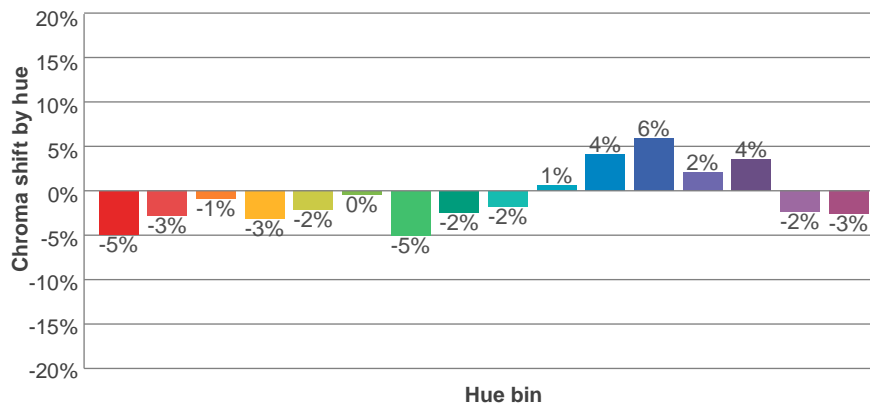
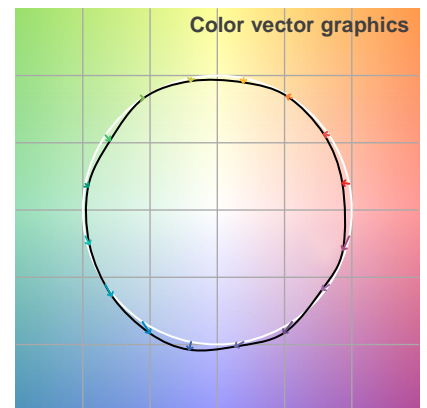
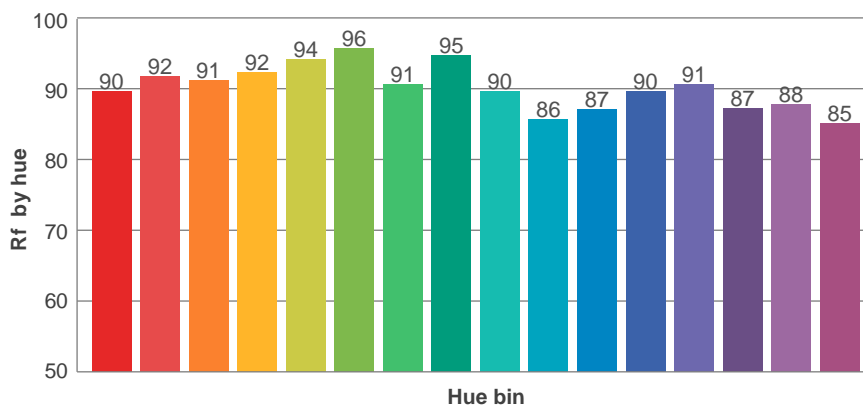
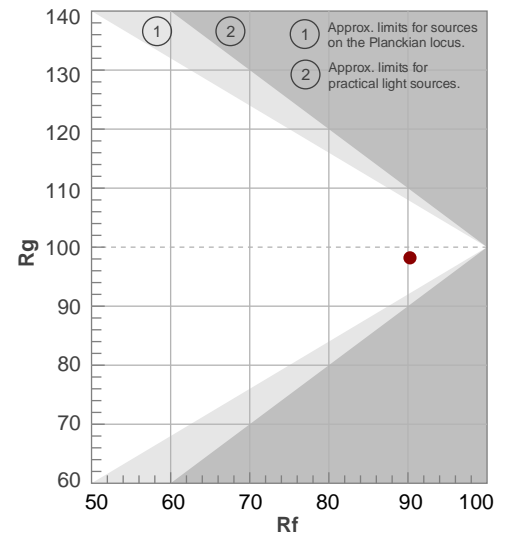
Rf 90,3

Fidelity index Rf

Rg 98,2

Gamut index Rg

Hue Bin	Ri	Shifts (%)	
		Chroma	Hue
1	90	-5%	2%
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8	95	-2%	2%
9	90	-2%	6%
10	86	1%	9%
11	87	4%	9%
12	90	6%	0%
13	91	2%	-7%
14	87	4%	-10%
15	88	-2%	-6%
16	85	-3%	-11%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

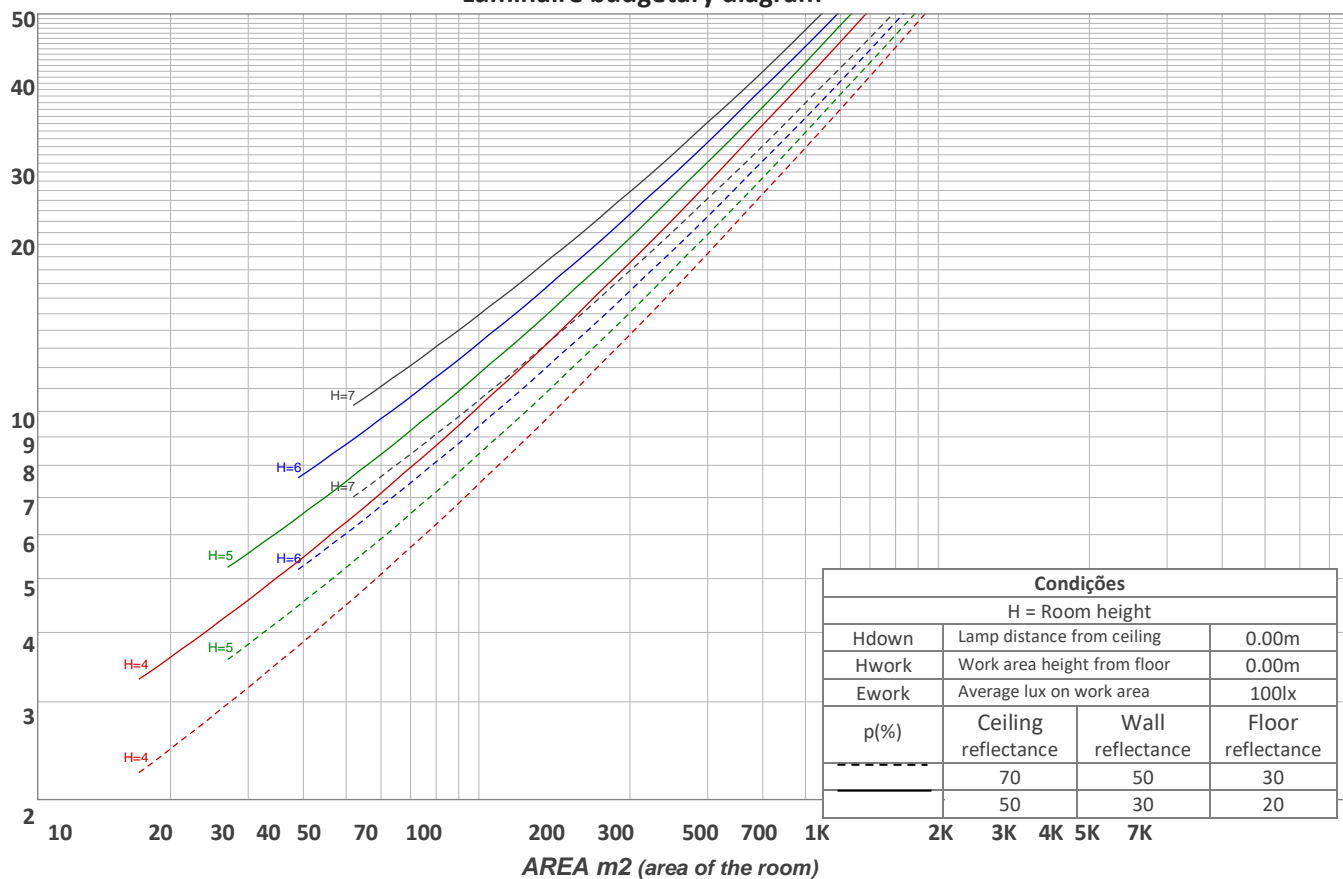
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17,3	18,1	18,2	18,9	20,1	17,0	17,8	17,9	18,6	19,8
	3H	18,7	19,5	19,7	20,3	21,4	18,3	19,1	19,3	19,9	21,0
	4H	19,3	19,9	20,2	20,8	21,9	18,8	19,5	19,8	20,4	21,5
	6H	19,6	20,2	20,5	21,2	22,3	19,2	19,8	20,1	20,8	21,9
	8H	19,7	20,4	20,6	21,3	22,4	19,3	20,0	20,2	20,8	22,0
	12H	19,8	20,5	20,7	21,3	22,4	19,3	20,1	20,3	20,9	22,0
4H	2H	17,7	18,4	18,7	19,3	20,4	17,5	18,2	18,4	19,1	20,2
	3H	19,4	20,1	20,3	20,9	22,0	19,0	19,8	20,0	20,6	21,7
	4H	20,0	21,0	20,9	21,5	22,7	19,6	20,6	20,6	21,1	22,3
	6H	20,4	21,0	21,4	21,9	23,0	20,1	20,6	21,0	21,5	22,6
	8H	20,6	21,0	21,6	22,0	23,1	20,2	20,6	21,2	21,6	22,7
	12H	20,6	21,0	21,6	22,0	23,1	20,3	20,6	21,2	21,6	22,7
8H	4H	20,1	20,5	21,1	21,5	22,6	19,8	20,2	20,8	21,2	22,3
	6H	20,7	21,0	21,7	22,0	23,2	20,4	20,7	21,4	21,7	22,9
	8H	20,9	21,2	21,9	22,2	23,4	20,6	20,8	21,6	21,9	23,1
	12H	21,0	21,3	22,1	22,3	23,4	20,7	20,9	21,7	22,0	23,1
12H	4H	20,1	20,4	21,1	21,4	22,6	19,8	20,1	20,8	21,1	22,2
	6H	20,7	21,0	21,7	22,0	23,2	20,4	20,6	21,4	21,7	22,9
	8H	20,9	21,2	22,0	22,2	23,3	20,6	20,8	21,7	21,9	23,0
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					0,2 / -0,3					
S = 2.0H	0,4 / -0,5					0,4 / -0,6					
Standard table	n/a					n/a					
Correction summand	n/a					n/a					
Corrected glare indices referring to 2314 lm total luminous flux											

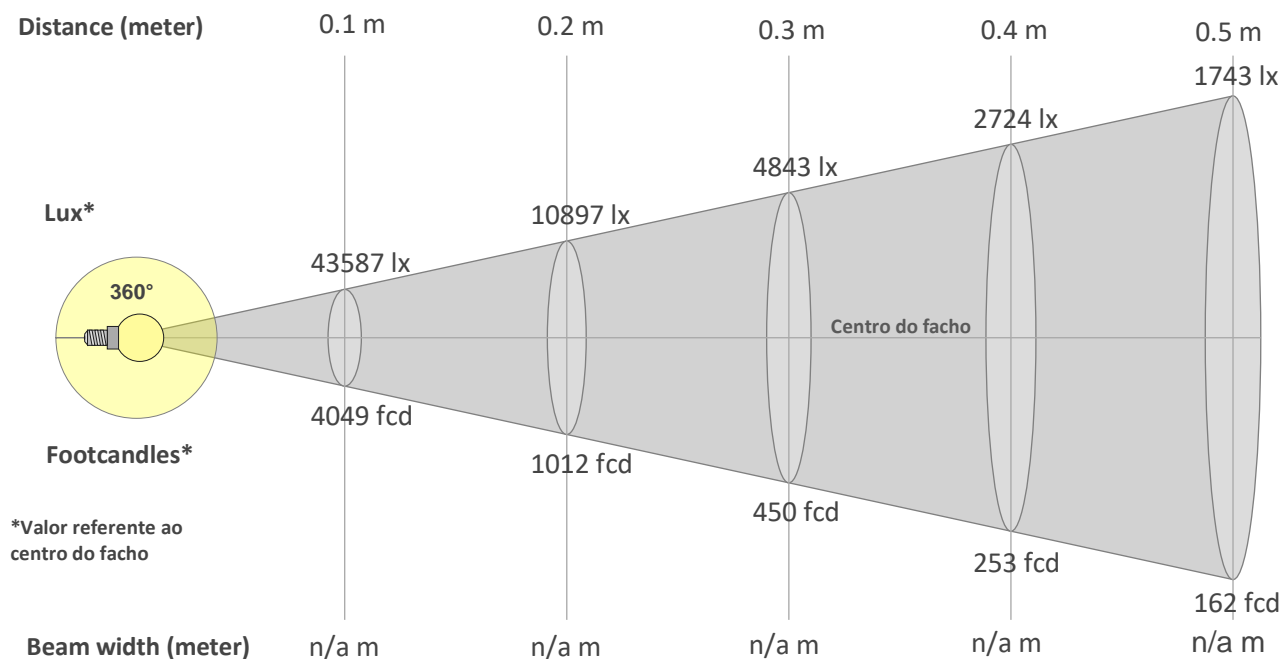
Coeficiente de utilização

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	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	93	89	86	90	86	83	80	73	70	68	61	59	57	49	48	47	42
2	89	81	75	70	82	75	70	65	64	60	56	53	50	48	43	41	40	35
3	81	71	64	58	74	66	60	54	56	51	47	47	43	40	38	36	34	29
4	74	63	55	49	68	58	51	46	50	44	40	42	38	34	34	31	29	25
5	68	56	48	42	62	52	45	39	44	39	35	37	33	30	31	28	25	22
6	63	50	42	36	57	47	40	34	40	34	30	34	29	26	28	25	22	19
7	58	45	37	32	53	42	35	30	36	31	26	31	26	23	25	22	20	17
8	54	41	33	28	49	38	31	27	33	27	23	28	24	20	23	20	17	15
9	50	38	30	25	46	35	28	24	30	25	21	26	21	18	22	18	16	14
10	47	34	27	22	43	32	26	21	28	23	19	24	20	17	20	17	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
436lx	109lx	48lx	27lx	17lx	12lx	9lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx
40,5fcd	10,1fcd	4,5fcd	2,5fcd	1,6fcd	1,1fcd	0,8fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
436	428	406	371	326	274	219	160	97	38	6	38	97	160	219	275	326	370	406	428
100%	98%	93%	85%	75%	63%	50%	37%	22%	9%	1%	9%	22%	37%	50%	63%	75%	85%	93%	98%

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°
436	428	402	363	314	260	204	146	88	35	6	35	88	146	204	261	314	363	402	427
100%	98%	92%	83%	72%	60%	47%	34%	20%	8%	1%	8%	20%	34%	47%	60%	72%	83%	92%	98%

Intensities in 180° c-plane

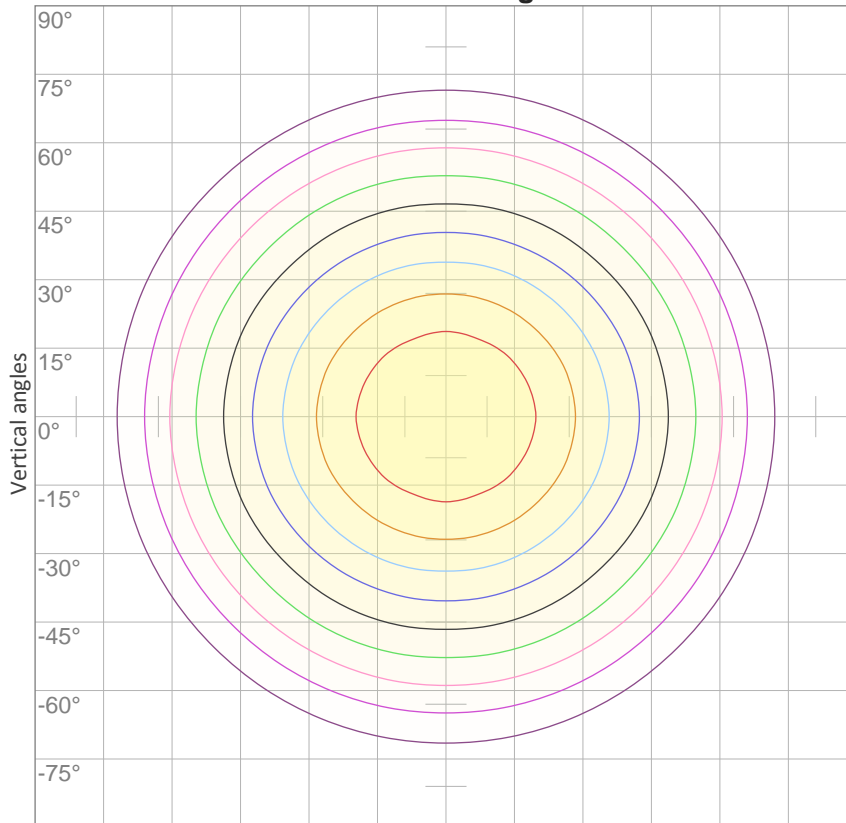
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
436	428	406	371	326	274	219	160	97	38	6	38	97	160	219	275	326	370	406	428
100%	98%	93%	85%	75%	63%	50%	37%	22%	9%	1%	9%	22%	37%	50%	63%	75%	85%	93%	98%

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°
436	428	402	363	314	260	204	146	88	35	6	35	88	146	204	261	314	363	402	427
100%	98%	92%	83%	72%	60%	47%	34%	20%	8%	1%	8%	20%	34%	47%	60%	72%	83%	92%	98%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
360°	360°	360°	39,5%	27,2%

iso-candela diagram



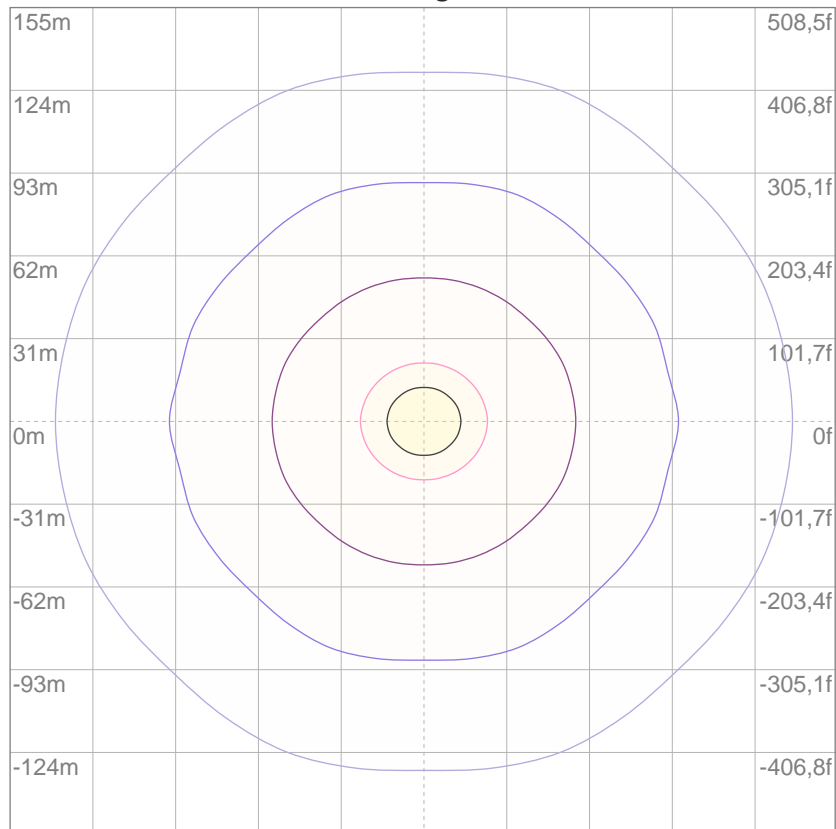
10%	44 cd
20%	87 cd
30%	131 cd
40%	174 cd
50%	218 cd
60%	262 cd
70%	305 cd
80%	349 cd
90%	392 cd

Conditions:

Number of c-planes: 16

Candela at center: 436 cd

iso-lux diagram



3%	0,131 lx
5%	0,218 lx
10%	0,436 lx
30%	1,31 lx
50%	2,18 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,36 lx

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

Potência

Vttagem: 12,0 V
Corrente: 3,81 A
Frequência: 0 Hz
FP: 1,0

THD



THD corrente: n/a
THD tensão: n/a