

P50 SLED9017 BRANCA FITA 15WM 3000K 95 - 1m



Luminária linear pendente com iluminação difusa.
Corpo em alumínio extrudado com acabamento na cor branca. Difusor em acrílico extrudado leitoso. Indicado para residência, recepção, escritório etc.

Fluxo luminoso – 548 lm/m

Potência – 14,3 W/m

Intensidade pico – 224cd

CCT – 2923K



IRC – 97,9

Coordenada CIE 1931 – x- 0,440 y- 0,401

A x L - 50x50

Peso - 1,1kg/m

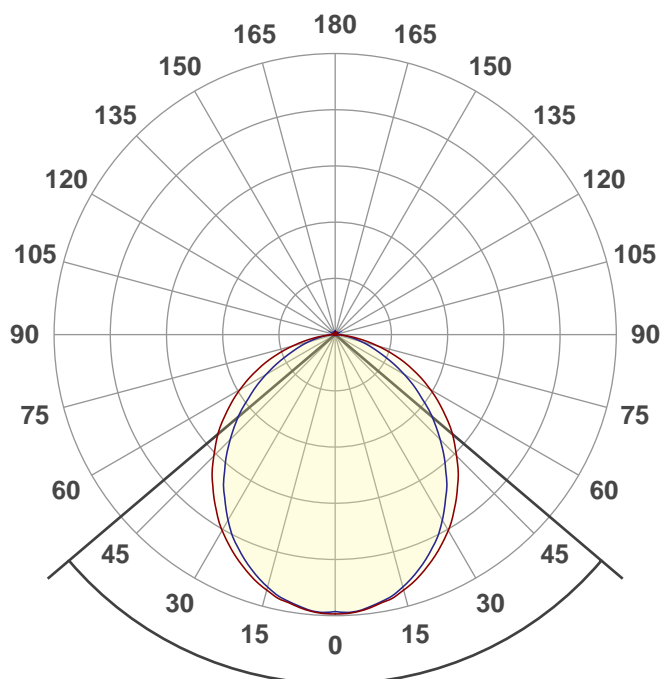
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

16/03/2023 10:13:58



Facho de abertura

99,3°

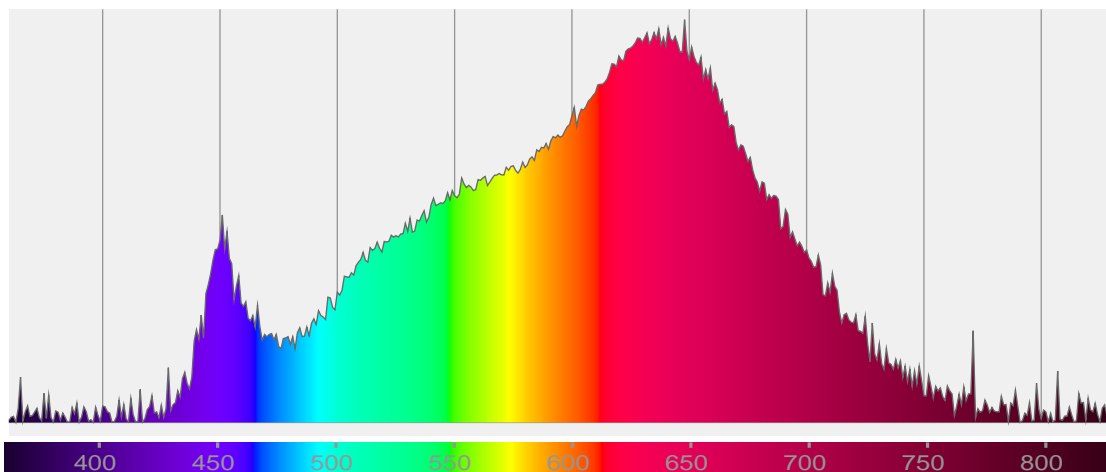
Rf 94,9

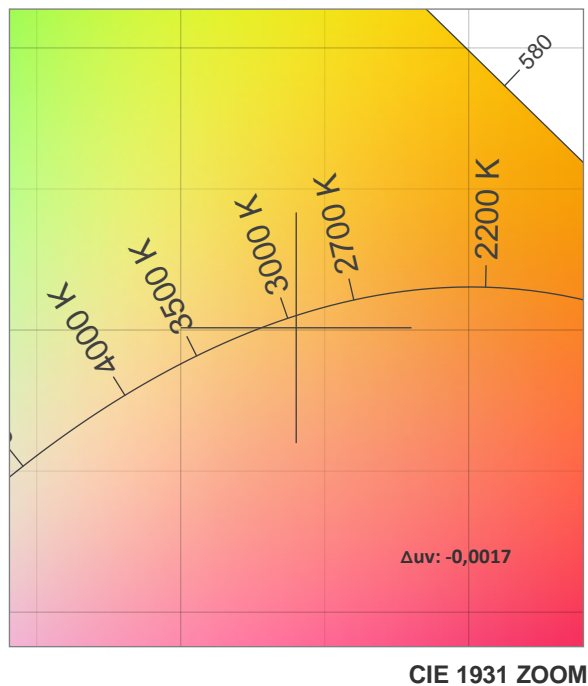
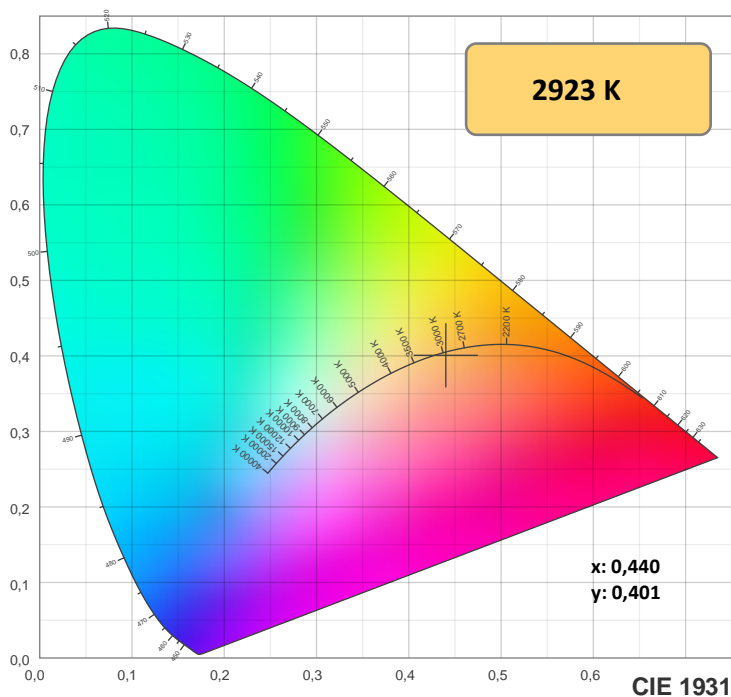
Fidelity index Rf

Rg 102,7

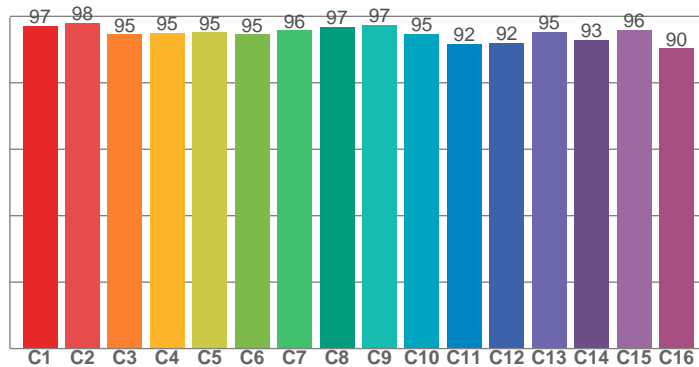
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	0%	1%
3	95	0%	3%
4	95	0%	1%
5	95	2%	2%
6	95	4%	1%
7	96	1%	-1%
8	97	1%	-2%
9	97	0%	0%
10	95	0%	3%
11	92	1%	6%
12	92	4%	2%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%

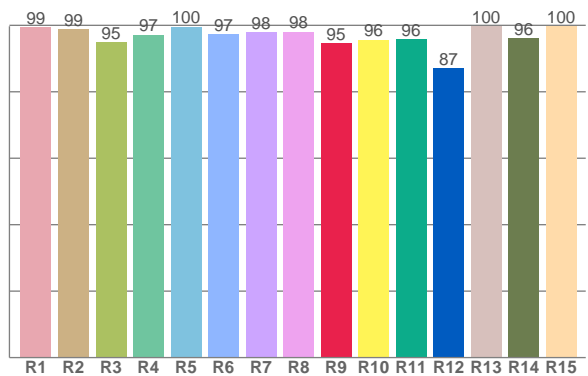




TM-30: 94,9



CRI: 97,9 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,5	98,8	94,9	97,2	99,6	97,4	97,9	98,1	94,7	95,6	95,8	87,0	99,7	96,1	99,7

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
97,2	98,0	94,6	95,1	95,2	94,5	95,8	96,9	97,5	94,7	91,7	92,0	95,4	93,0	96,0	90,4

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
2923 K	97,9	94,7	94,9	102,7	94,4	0,440	0,401	0,254	0,347	-0,0017

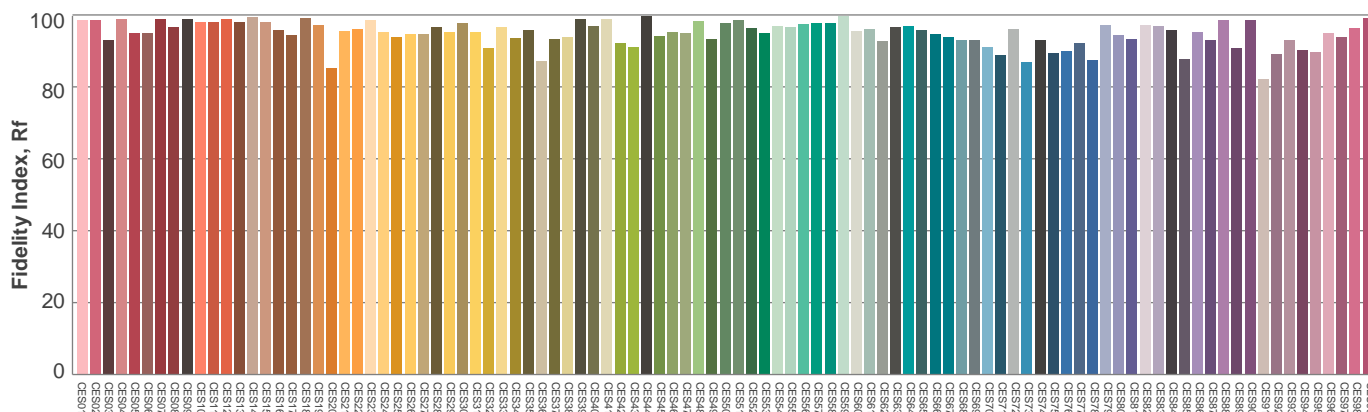
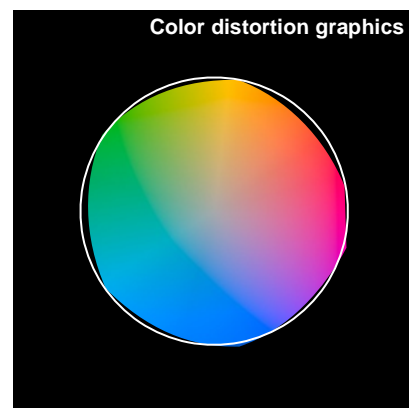
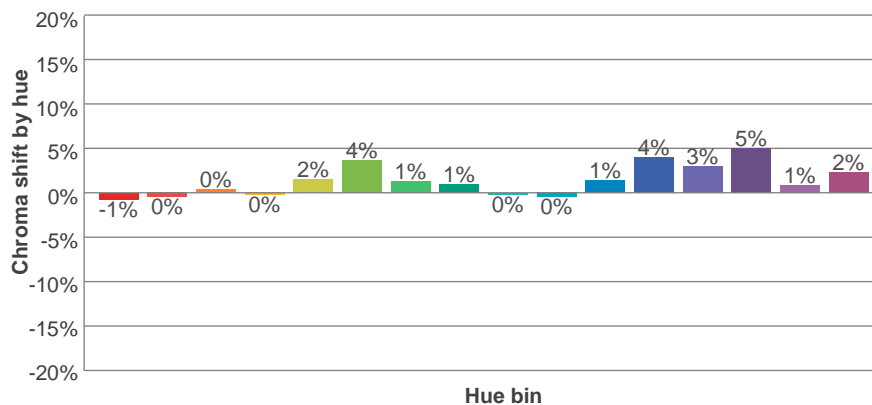
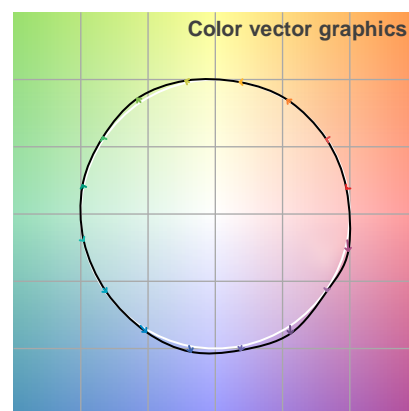
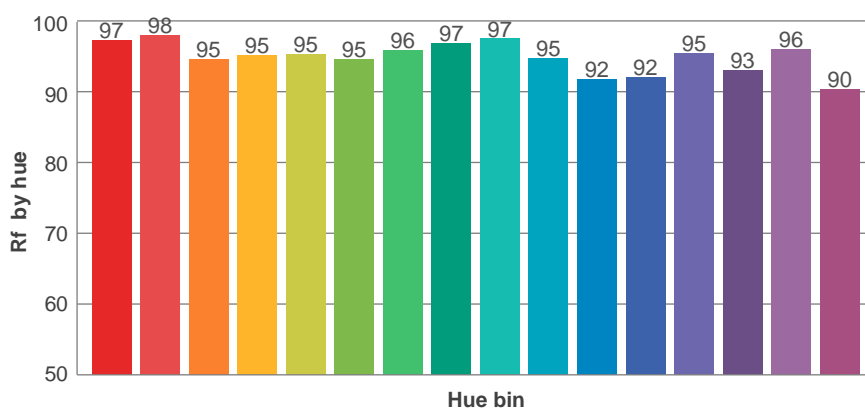
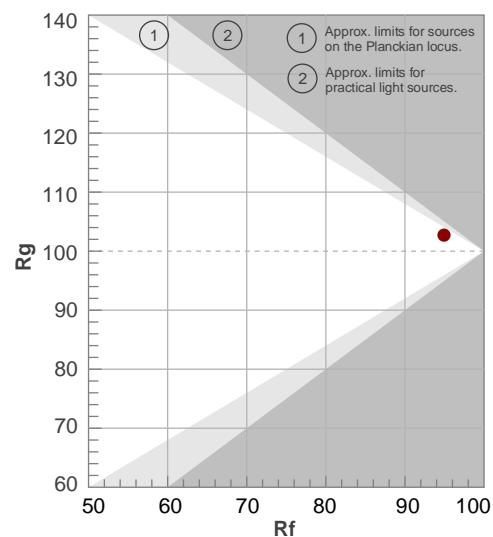
Rf 94,9

Fidelity index Rf

Rg 102,7

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	97	-1%	-1%
2	98	0%	1%
3	95	0%	3%
4	95	0%	1%
5	95	2%	2%
6	95	4%	1%
7	96	1%	-1%
8	97	1%	-2%
9	97	0%	0%
10	95	0%	3%
11	92	1%	6%
12	92	4%	2%
13	95	3%	-1%
14	93	5%	-3%
15	96	1%	-2%
16	90	2%	-8%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

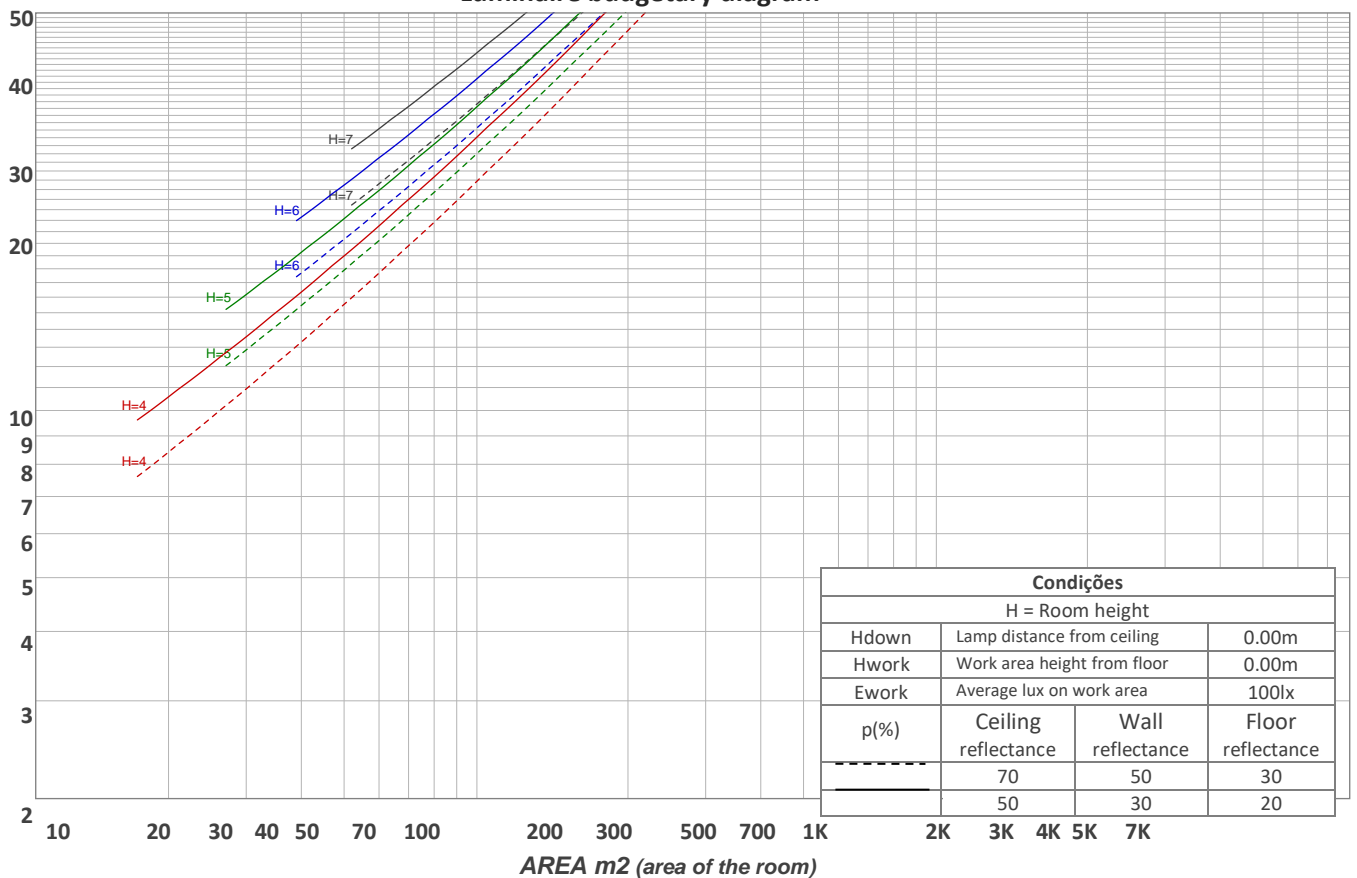
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17,9	19,1	18,2	19,4	19,6	16,7	17,8	16,9	18,1	18,4
	3H	19,3	20,5	19,7	20,8	21,0	17,5	18,7	18,0	19,0	19,3
	4H	19,8	21,0	20,3	21,2	21,5	17,9	19,0	18,3	19,3	19,6
	6H	20,3	21,2	20,6	21,5	21,9	18,2	19,2	18,5	19,5	19,9
	8H	20,3	21,3	20,7	21,6	22,1	18,3	19,2	18,6	19,6	20,0
	12H	20,4	21,3	20,7	21,6	22,1	18,3	19,2	18,7	19,6	20,1
4H	2H	18,3	19,4	18,7	19,7	20,0	17,3	18,4	17,7	18,7	19,0
	3H	19,9	20,8	20,3	21,2	21,7	18,4	19,3	18,8	19,7	20,2
	4H	20,5	21,4	20,9	21,8	22,3	18,7	19,6	19,2	20,0	20,6
	6H	20,9	21,8	21,5	22,1	22,5	19,1	19,9	19,6	20,2	20,6
	8H	21,1	21,8	21,6	22,2	22,6	19,2	19,9	19,7	20,3	20,7
	12H	21,1	21,7	21,6	22,2	22,7	19,2	19,9	19,8	20,3	20,8
8H	4H	20,6	21,3	21,1	21,7	22,1	19,0	19,7	19,5	20,1	20,5
	6H	21,1	21,7	21,6	22,2	22,7	19,4	19,9	19,9	20,4	21,0
	8H	21,3	21,8	21,9	22,3	23,0	19,6	20,0	20,1	20,6	21,2
	12H	21,4	21,8	22,0	22,4	23,0	19,7	20,1	20,3	20,6	21,2
12H	4H	20,5	21,2	21,1	21,6	22,1	19,0	19,6	19,5	20,0	20,5
	6H	21,1	21,6	21,7	22,2	22,8	19,4	19,9	20,0	20,5	21,1
	8H	21,3	21,7	21,9	22,3	22,9	19,6	20,0	20,2	20,5	21,2
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 / -0,3					0,3 / -0,5				
S = 2.0H		0,6 / -0,8					0,8 / -1,1				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 548 lm total luminous flux											

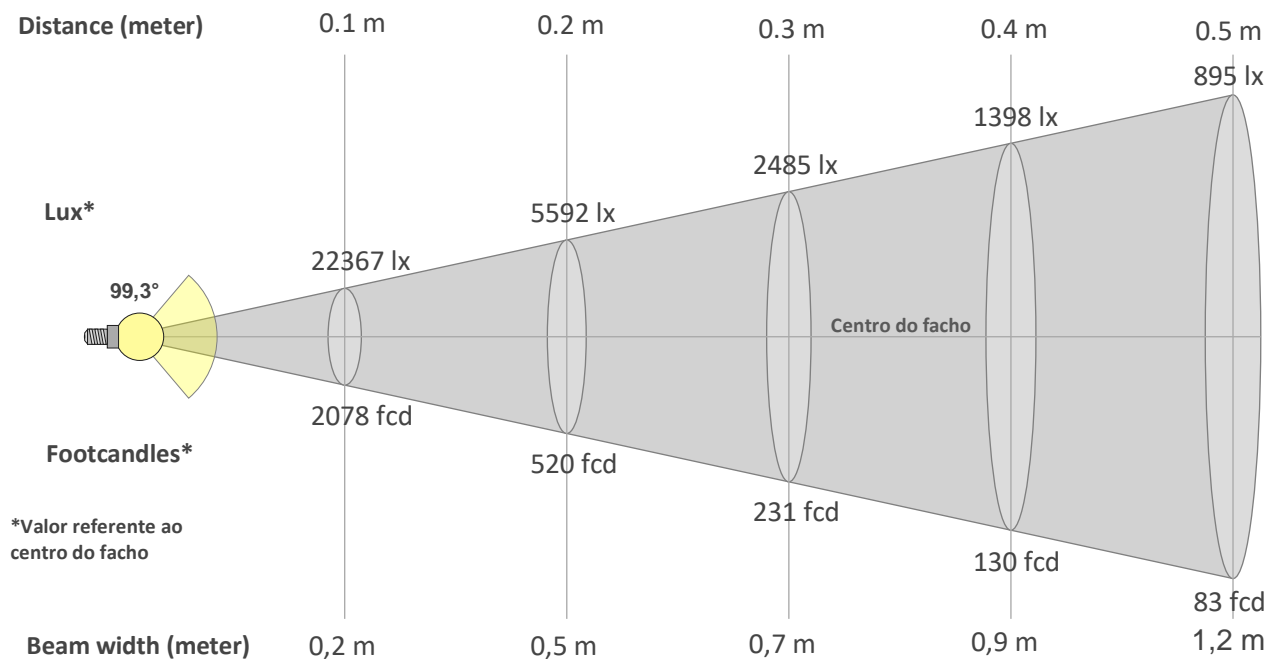
Coeficiente de utilização

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	119	119	119	119	116	116	116	116	110	110	110	105	105	105	101	101	101	99
1	109	105	101	97	106	102	99	96	98	95	92	94	92	89	90	88	86	84
2	100	92	86	80	97	90	84	79	87	82	77	83	79	75	80	77	74	71
3	92	82	74	68	89	80	73	67	77	71	66	74	69	64	71	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	57	50	75	64	56	50	62	55	49	60	53	49	58	52	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	42	40
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	42	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	44	38	34	32
9	58	45	37	32	57	44	37	32	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	26

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
224lx	56lx	25lx	14lx	9lx	6lx	5lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
20,8fcd	5,2fcd	2,3fcd	1,3fcd	0,8fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

Intensities in 0° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
224	223	218	212	203	193	181	168	153	138	122	105	88	71	53	35	20	6	1	1
100%	100%	97%	95%	91%	86%	81%	75%	68%	62%	55%	47%	39%	32%	24%	16%	9%	3%	0%	0%

Intensities in 90° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
224	222	217	209	199	186	172	155	137	119	101	82	64	47	33	22	13	6	3	1
100%	99%	97%	94%	89%	83%	77%	69%	61%	53%	45%	37%	29%	21%	15%	10%	6%	3%	1%	1%

Intensities in 180° c-plane

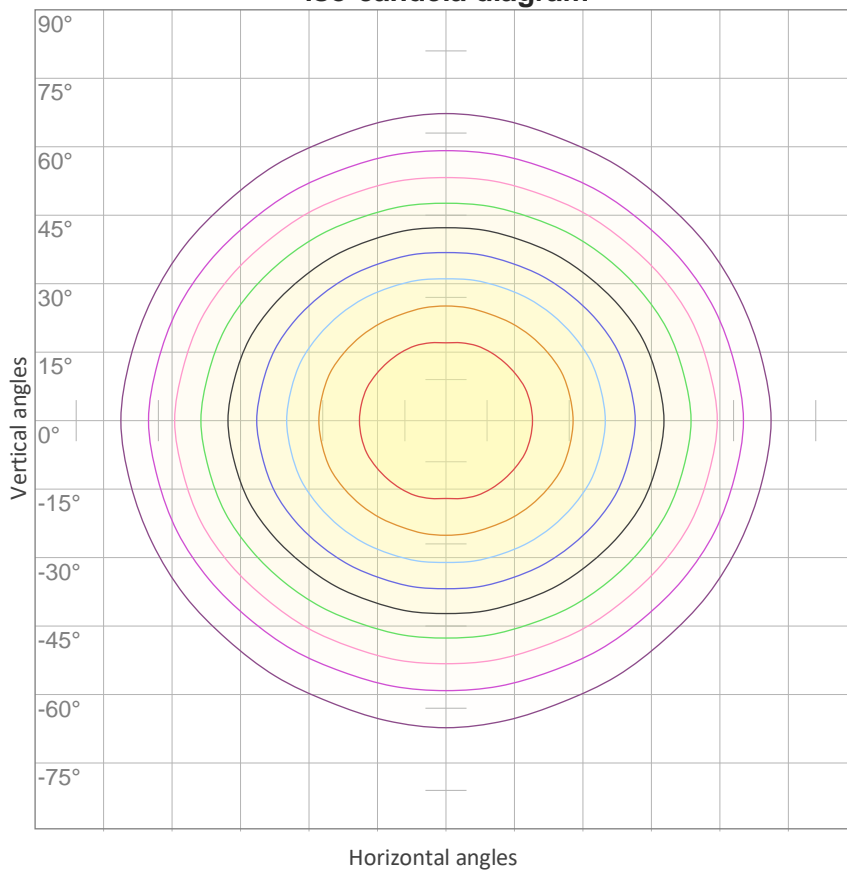
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
224	223	218	212	203	193	181	168	153	138	122	105	88	71	53	35	20	6	1	1
100%	100%	97%	95%	91%	86%	81%	75%	68%	62%	55%	47%	39%	32%	24%	16%	9%	3%	0%	0%

Intensities in 270° c-plane

0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
224	222	217	209	199	186	172	155	137	119	101	82	64	47	33	22	13	6	3	1
100%	99%	97%	94%	89%	83%	77%	69%	61%	53%	45%	37%	29%	21%	15%	10%	6%	3%	1%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
99,3°	151,9°	169,7°	82,2%	58,3%

iso-candela diagram



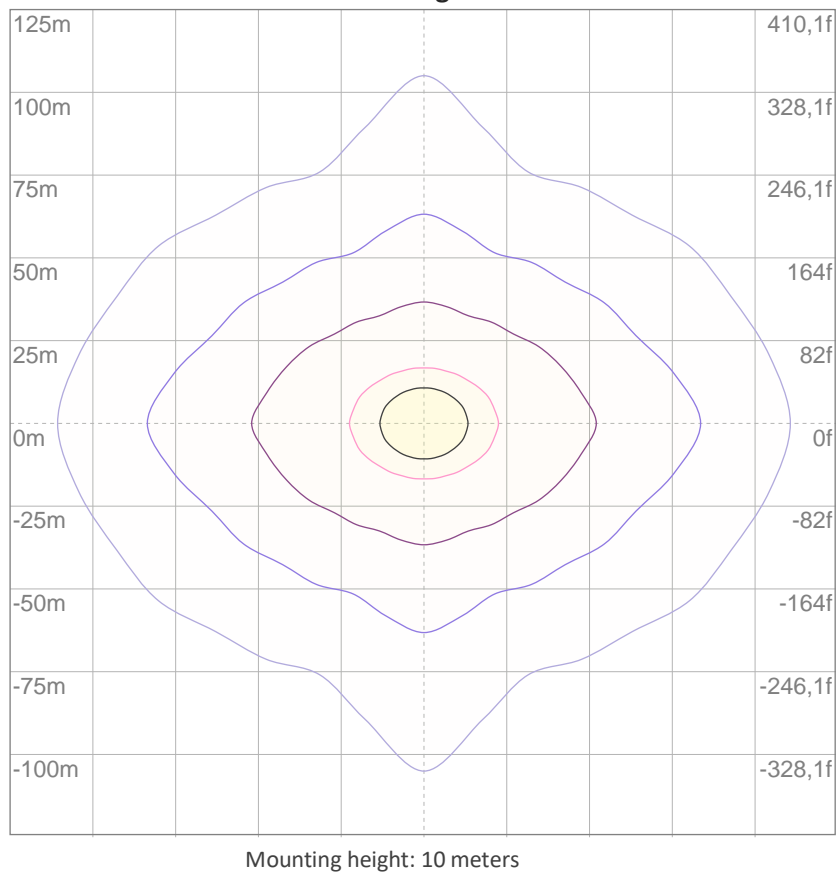
10%	22 cd
20%	45 cd
30%	67 cd
40%	89 cd
50%	112 cd
60%	134 cd
70%	157 cd
80%	179 cd
90%	201 cd

Conditions:

Number of c-planes: 16

Candela at center: 224 cd

iso-lux diagram



3%	67,1m lx
5%	0,112 lx
10%	0,224 lx
30%	0,671 lx
50%	1,12 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,24 lx

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

Potência

Vttagem: 12,0 V

Corrente: 1,19 A

Frequência: 0 Hz

FP: 0,99

THD



THD corrente: n/a

THD tensão: n/a