

P50 SLED9017 BRANCA FITA 14,4WM 5500K 80 - 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 – 800 lm/m

Potência – 14,5 W/m

Intensidade pico – 336cd

CCT – 5730K



IRC – 84,9

Coordenada CIE 1931 – x- 0,328 y- 0,337

A x L - 50x50

Peso - 1,1kg/m

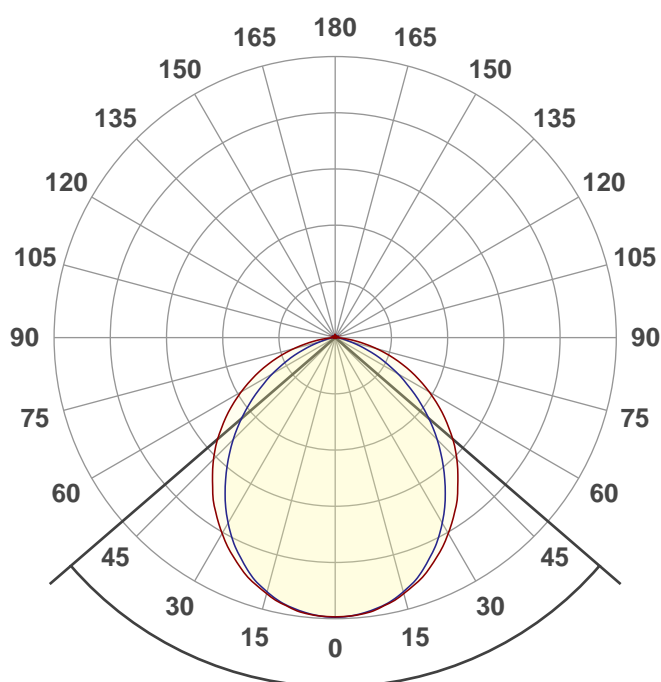
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

27/02/2023 11:00:01



Facho de abertura

98,4°

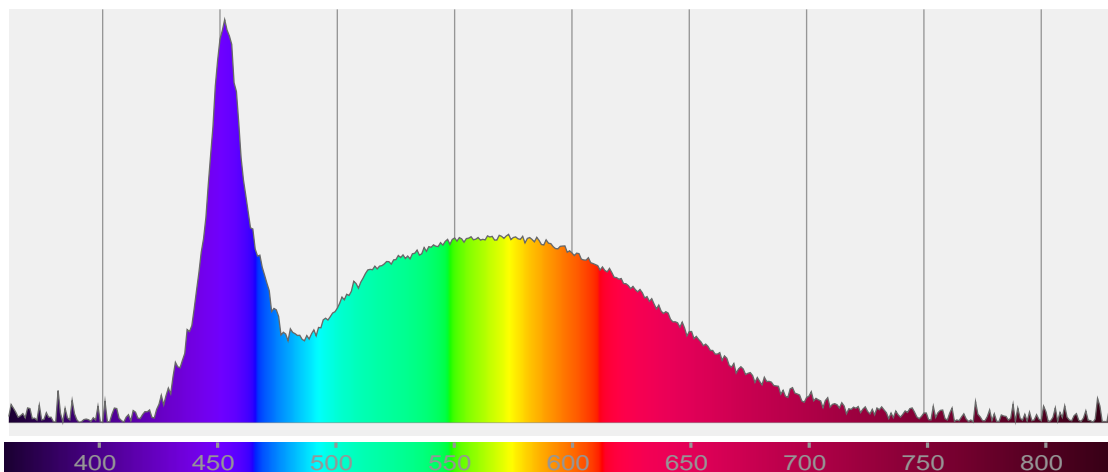
Rf 83,7

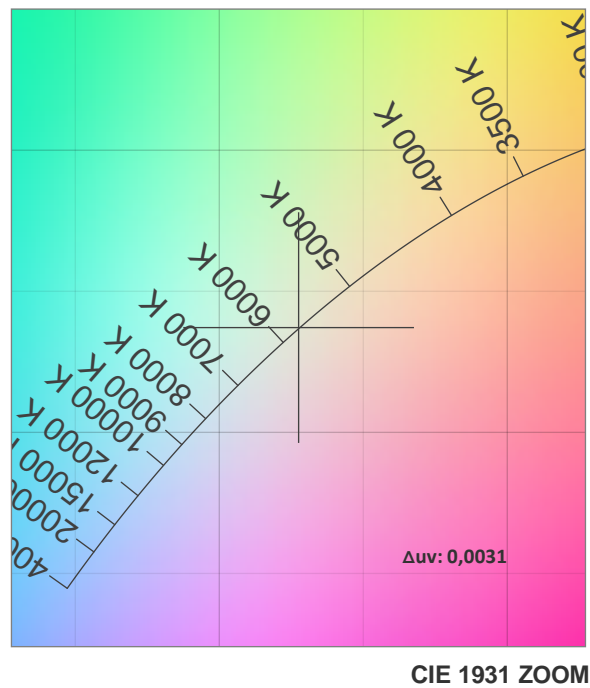
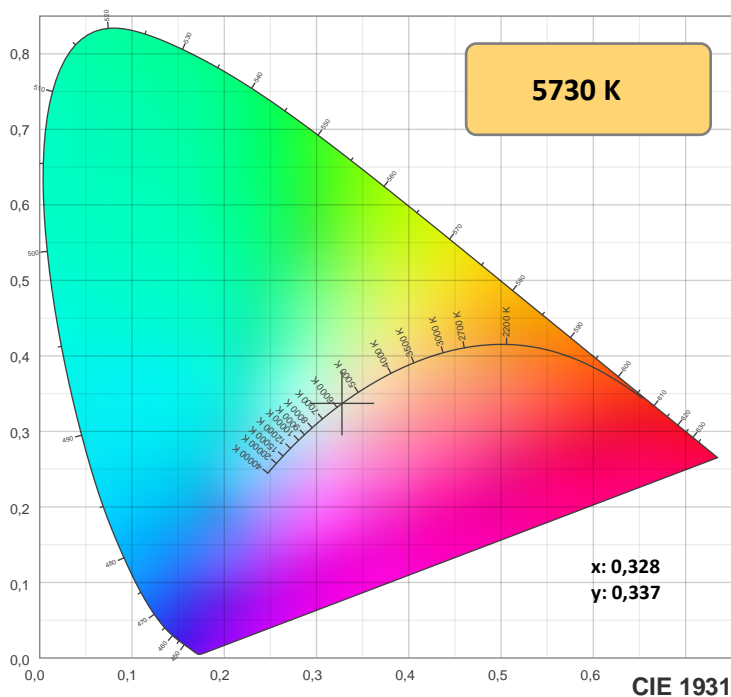
Fidelity index Rf

Rg 96,0

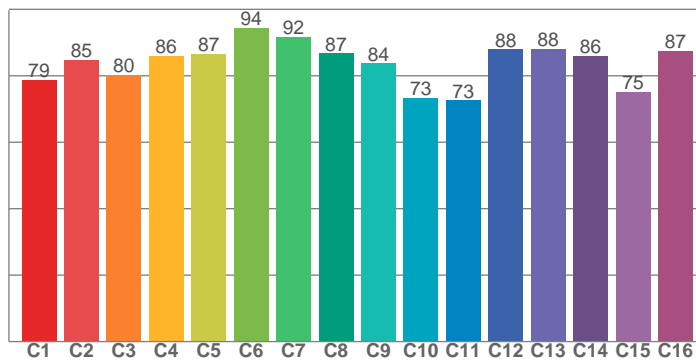
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	79	-11%	0%
2	85	-7%	6%
3	80	-4%	10%
4	86	0%	7%
5	87	0%	4%
6	94	2%	-1%
7	92	-4%	-2%
8	87	-7%	1%
9	84	-9%	11%
10	73	-5%	16%
11	73	2%	17%
12	88	5%	6%
13	88	9%	-2%
14	86	4%	-7%
15	75	6%	-21%
16	87	-5%	-5%

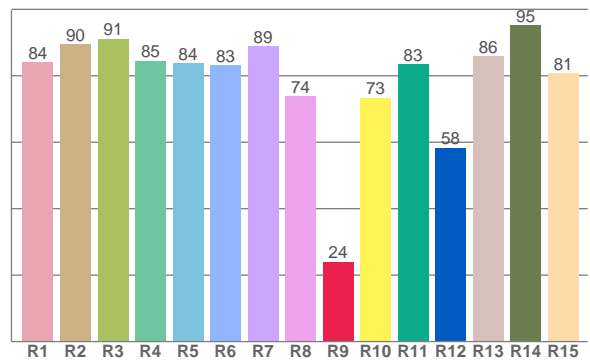




TM-30: 83,7



CRI: 84,9 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84,1	89,5	91,1	84,6	83,8	83,2	89,0	73,9	24,0	73,4	83,4	58,3	85,9	95,2	80,7

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
78,8	84,8	80,2	86,0	86,5	94,5	91,8	86,8	83,8	73,4	72,6	88,0	88,0	85,9	75,1	87,4

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
5730 K	84,9	24,0	83,7	96,0	81,2	0,328	0,337	0,205	0,317	0,0031

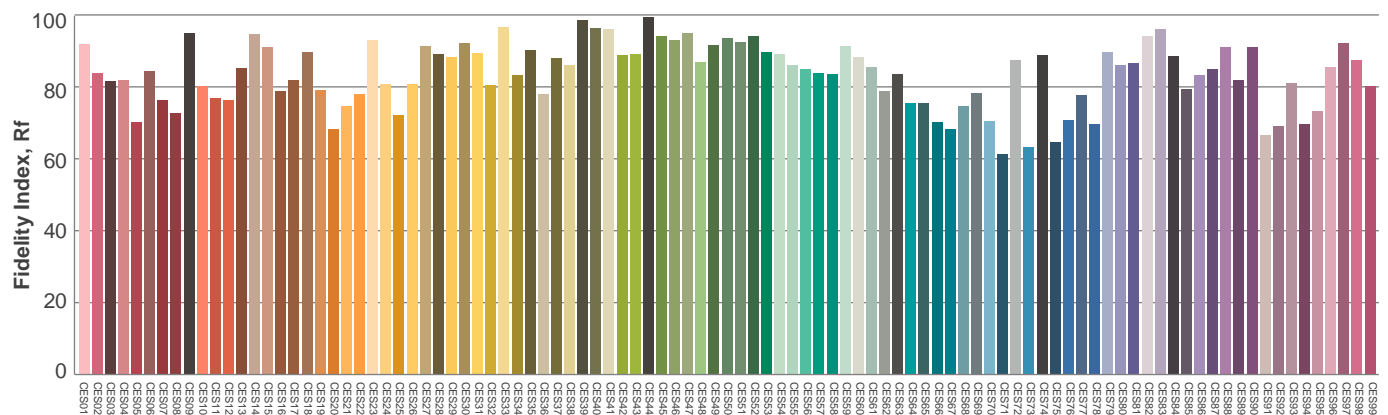
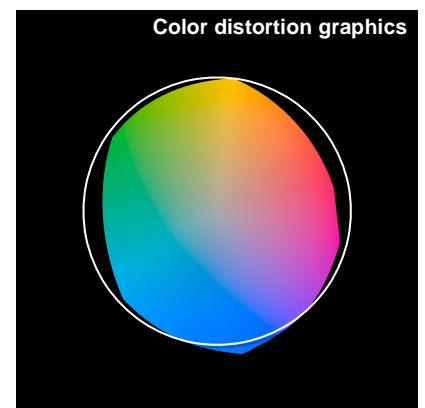
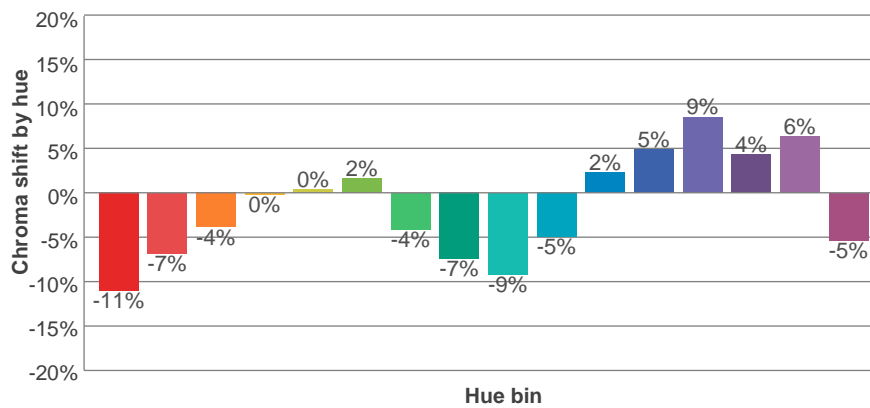
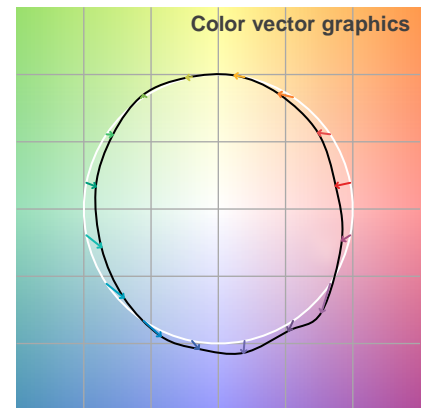
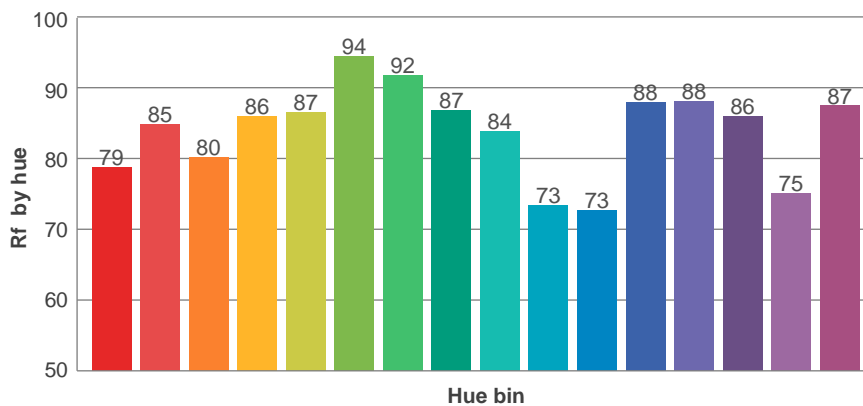
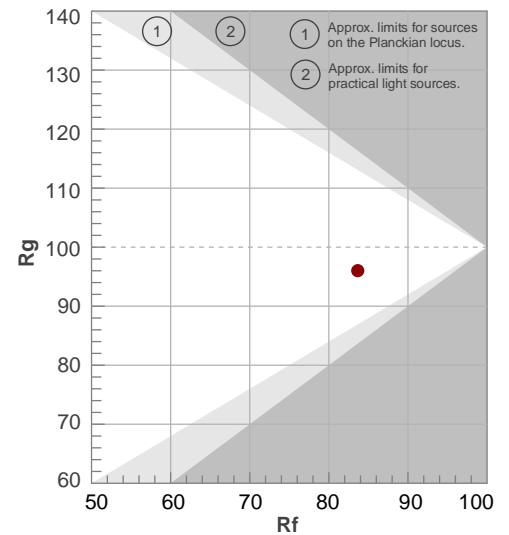
Rf 83,7

Fidelity index Rf

Rg 96,0

Gamut index Rg

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15	75	6%	-21%
16	87	-5%	-5%



Glare Evaluation According to UGR

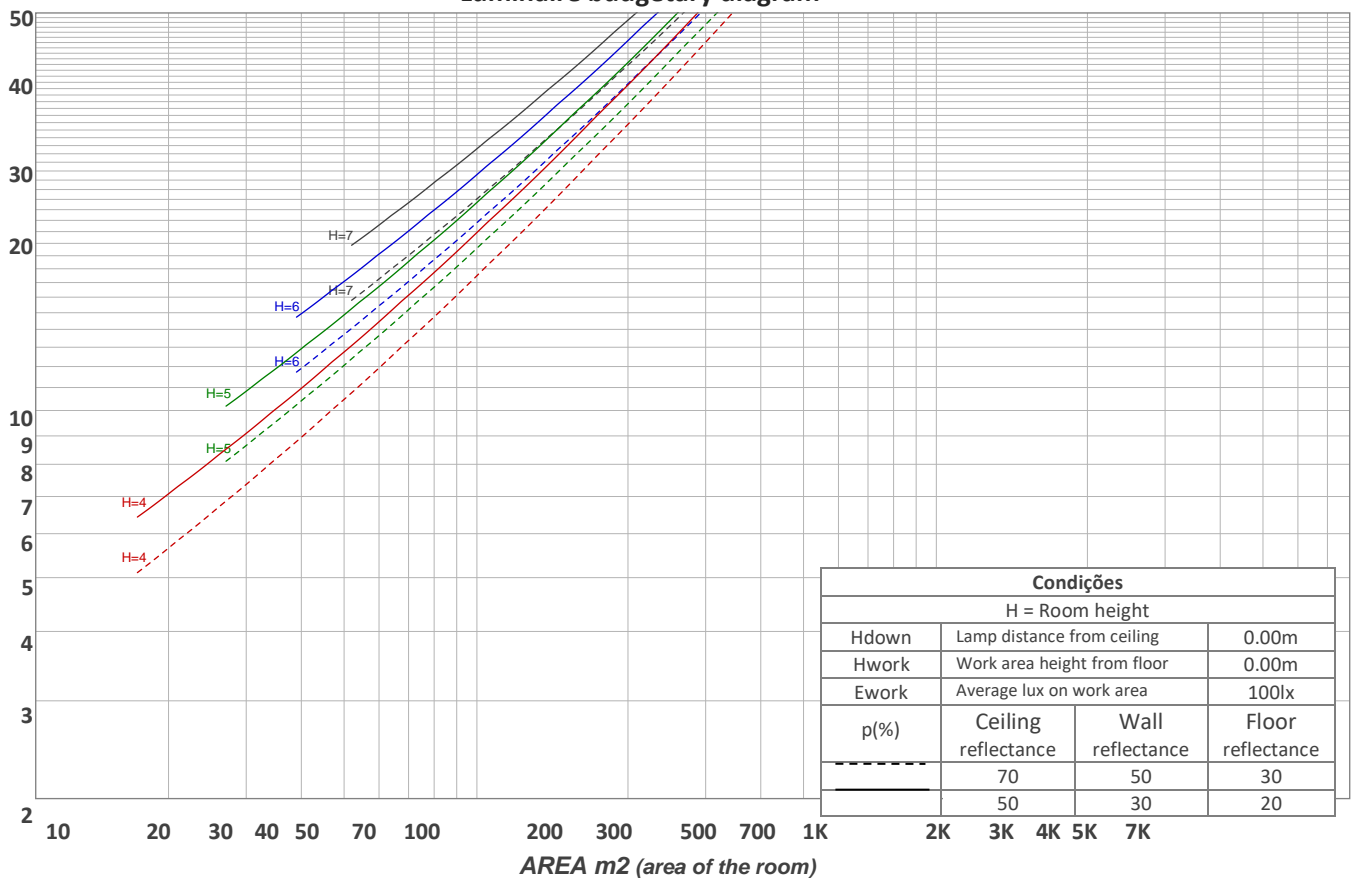
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	19,4	20,5	19,6	20,8	21,0	17,8	19,0	18,1	19,3	19,5
	3H	20,7	21,8	21,1	22,1	22,4	18,5	19,6	18,9	19,9	20,2
	4H	21,2	22,3	21,6	22,6	22,9	18,6	19,7	19,0	20,0	20,3
	6H	21,6	22,5	21,9	22,8	23,2	18,7	19,7	19,0	20,0	20,4
	8H	21,7	22,6	22,0	22,9	23,3	18,7	19,6	19,1	20,0	20,4
	12H	21,7	22,6	22,0	22,9	23,4	18,7	19,6	19,1	19,9	20,4
4H	2H	19,7	20,8	20,1	21,1	21,3	18,4	19,5	18,8	19,8	20,1
	3H	21,3	22,2	21,6	22,5	23,0	19,3	20,2	19,7	20,6	21,0
	4H	21,8	22,6	22,2	23,1	23,6	19,4	20,3	19,9	20,7	21,2
	6H	22,2	23,0	22,7	23,4	23,7	19,5	20,3	20,0	20,7	21,1
	8H	22,3	23,0	22,8	23,4	23,8	19,5	20,2	20,0	20,6	21,0
	12H	22,3	22,9	22,8	23,4	23,9	19,5	20,1	20,0	20,5	21,0
8H	4H	21,8	22,5	22,3	22,9	23,3	19,6	20,3	20,1	20,7	21,1
	6H	22,3	22,8	22,8	23,3	23,9	19,7	20,3	20,3	20,8	21,3
	8H	22,5	22,9	23,0	23,5	24,1	19,8	20,3	20,3	20,8	21,5
	12H	22,5	22,9	23,1	23,4	24,1	19,8	20,2	20,4	20,7	21,4
12H	4H	21,8	22,4	22,3	22,8	23,3	19,6	20,2	20,1	20,6	21,1
	6H	22,3	22,8	22,8	23,3	23,9	19,8	20,2	20,3	20,8	21,4
	8H	22,4	22,8	23,0	23,3	24,0	19,8	20,2	20,4	20,7	21,4
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,2 / -0,3				
S = 1.5H		0,2 / -0,3					0,5 / -0,9				
S = 2.0H		0,7 / -0,9					1,1 / -1,8				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 800 lm total luminous flux											

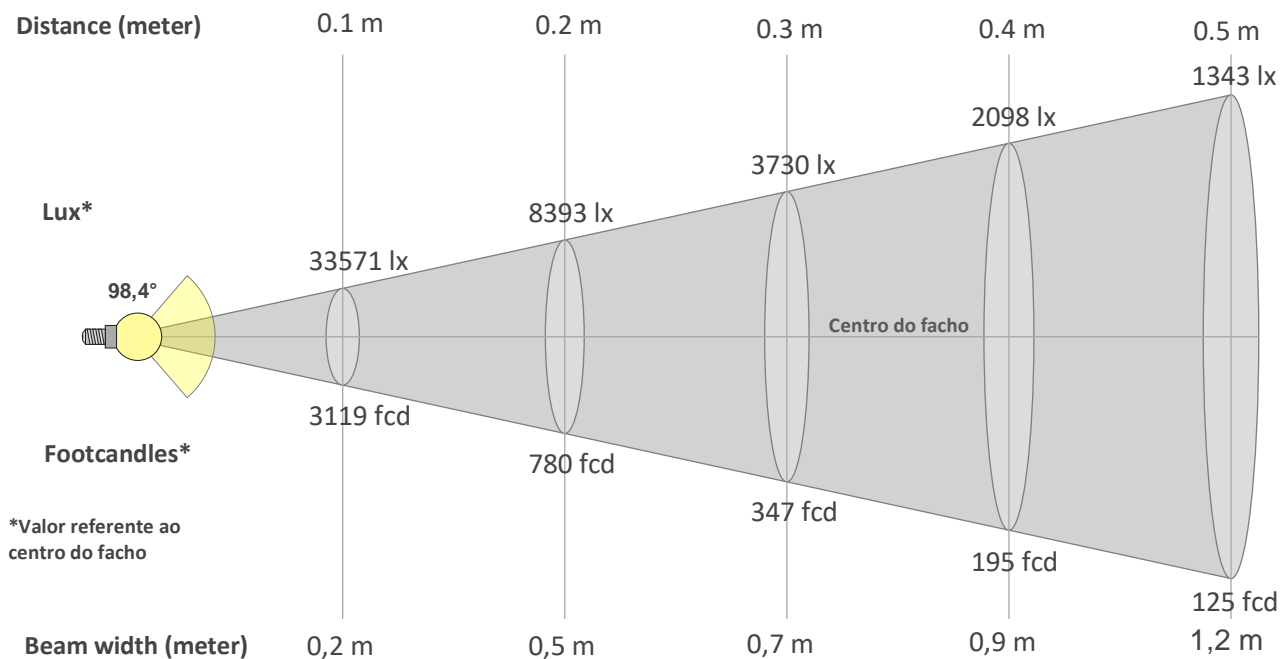
Coeficiente de utilização

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	106	106	106	101	101	101	99
1	110	105	102	98	107	103	100	96	99	96	93	95	92	90	91	89	87	85
2	100	93	87	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	75	69	90	81	74	68	78	72	67	75	70	65	72	68	64	62
4	85	73	65	59	82	72	64	58	69	63	58	67	61	57	65	60	56	54
5	78	66	57	51	76	65	57	51	63	56	50	61	54	50	59	53	49	47
6	72	60	51	45	70	59	51	45	57	50	44	55	49	44	53	48	43	41
7	67	54	46	40	65	53	45	40	52	45	39	50	44	39	49	43	39	37
8	63	50	41	36	61	49	41	36	48	40	35	46	40	35	45	39	35	33
9	59	46	38	32	57	45	37	32	44	37	32	43	36	32	42	36	32	30
10	55	42	35	30	54	42	34	29	41	34	29	40	33	29	39	33	29	27

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
336lx	84lx	37lx	21lx	13lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
31,2fcd	7,8fcd	3,5fcd	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
336	334	328	318	307	290	272	252	229	207	182	157	130	104	78	52	28	9	1	1
100%	99%	98%	95%	91%	86%	81%	75%	68%	62%	54%	47%	39%	31%	23%	15%	8%	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°
336	333	327	316	301	281	257	231	202	173	144	115	87	61	37	18	10	4	1	1
100%	99%	97%	94%	90%	84%	77%	69%	60%	52%	43%	34%	26%	18%	11%	5%	3%	1%	0%	0%

Intensities in 180° c-plane

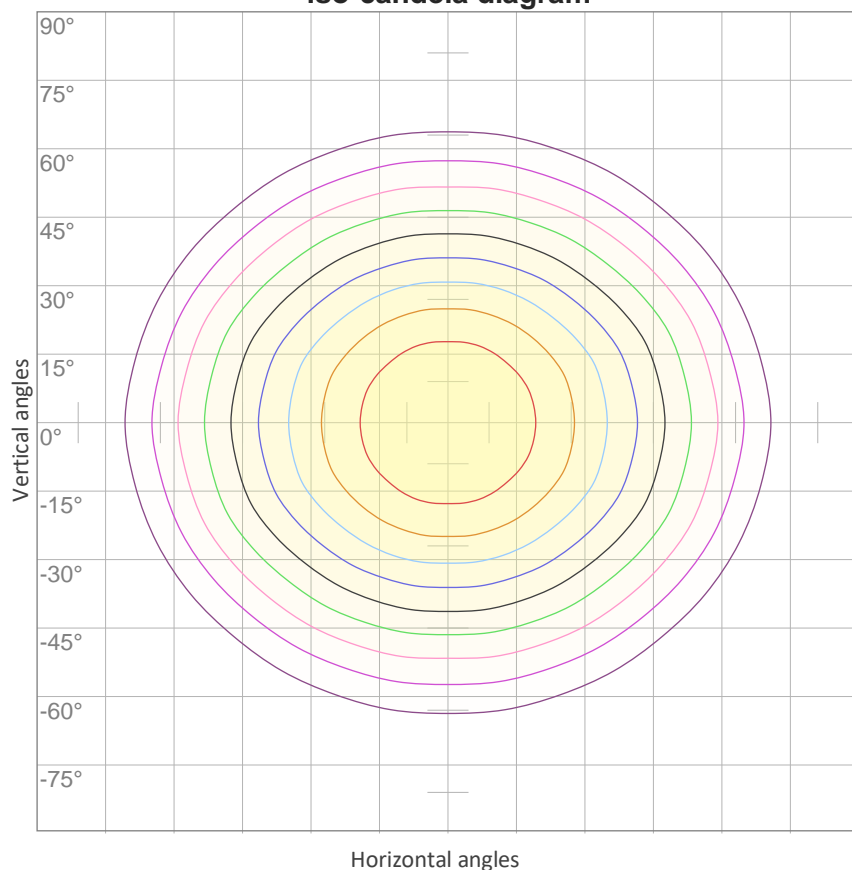
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
336	334	328	318	307	290	272	252	229	207	182	157	130	104	78	52	28	9	1	1
100%	99%	98%	95%	91%	86%	81%	75%	68%	62%	54%	47%	39%	31%	23%	15%	8%	3%	0%	0%

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°
336	333	327	316	301	281	257	231	202	173	144	115	87	61	37	18	10	4	1	1
100%	99%	97%	94%	90%	84%	77%	69%	60%	52%	43%	34%	26%	18%	11%	5%	3%	1%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
98,4°	148,4°	164,6°	83,8%	59,9%

iso-candela diagram



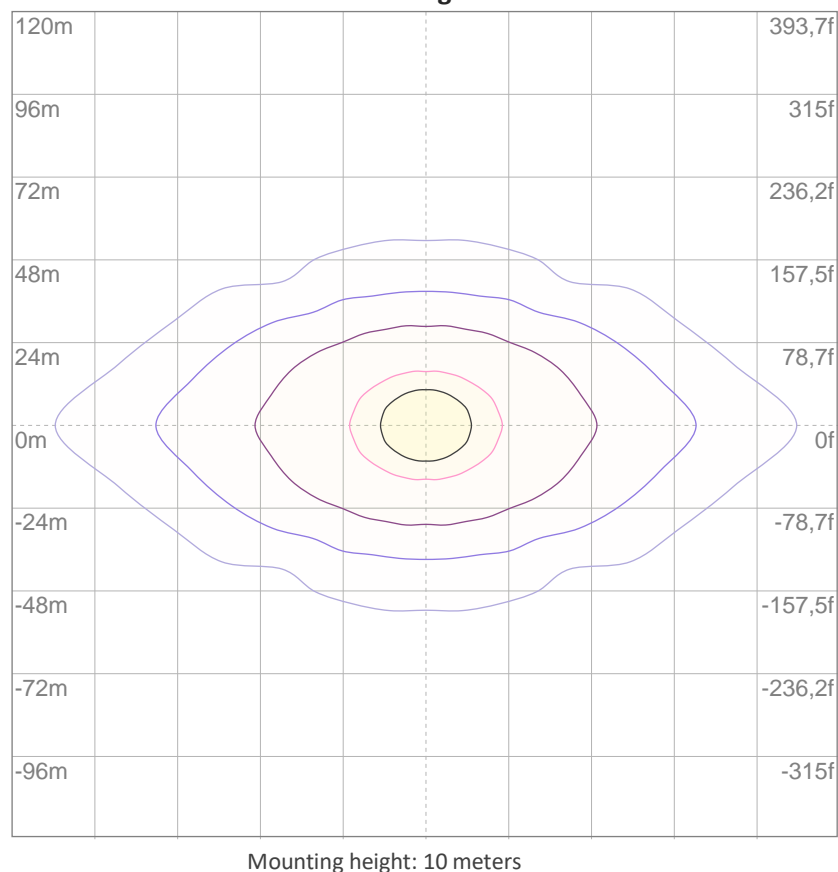
10%	34 cd
20%	67 cd
30%	101 cd
40%	134 cd
50%	168 cd
60%	201 cd
70%	235 cd
80%	269 cd
90%	302 cd

Conditions:

Number of c-planes: 16

Candela at center: 336 cd

iso-lux diagram



3%	0,101 lx
5%	0,168 lx
10%	0,336 lx
30%	1,01 lx
50%	1,68 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,36 lx

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

Potência

Vttagem: 170 V
Corrente: 0,085 A
Frequência: 0 Hz
FP: 0,99

THD



THD corrente: n/a
THD tensão: n/a