

SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 14,4Wm 3500K 80 1M



Fluxo luminoso – 896 lm/m

Potência – 14,4 W/m

Intensidade pico – 357cd

CCT – 3424K

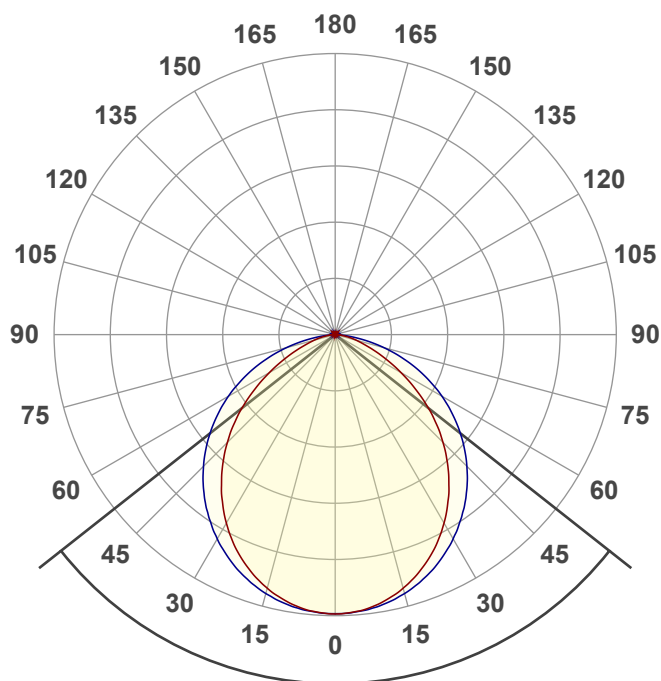


IRC – 84,5

Coordenada CIE 1931 – x- 0,409 y- 0,391

Data do ensaio

28/08/2024 16:47:40



Facho de abertura

103,5°

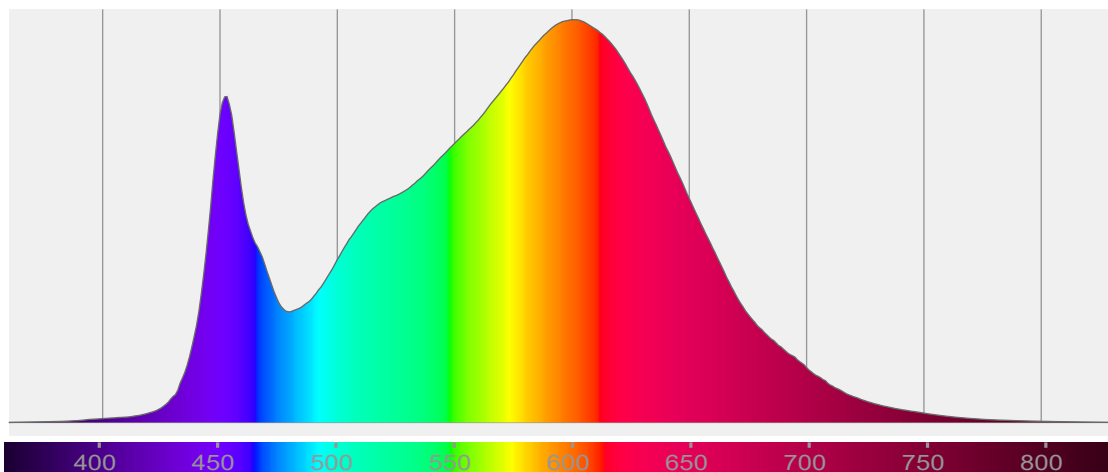
Rf 85,2

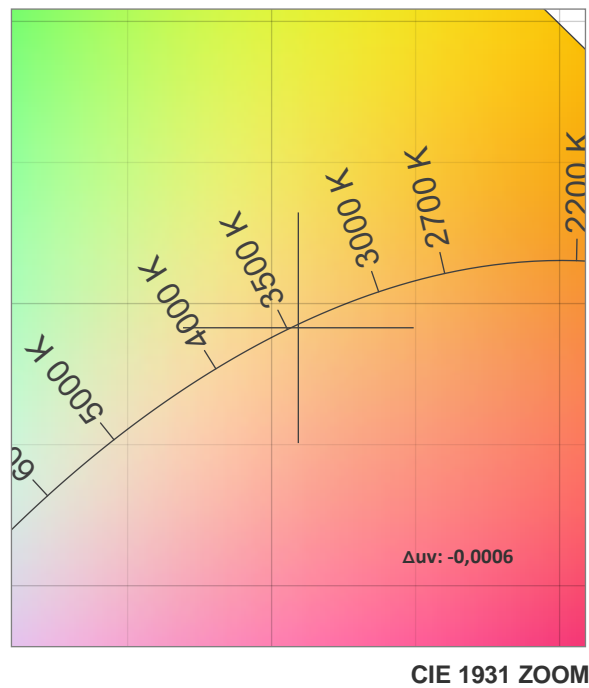
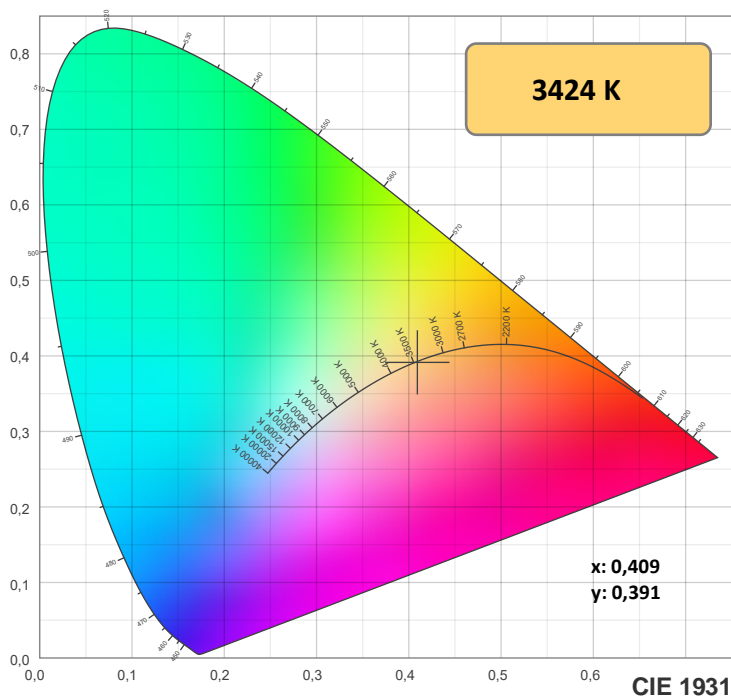
Fidelity index Rf

Rg 95,2

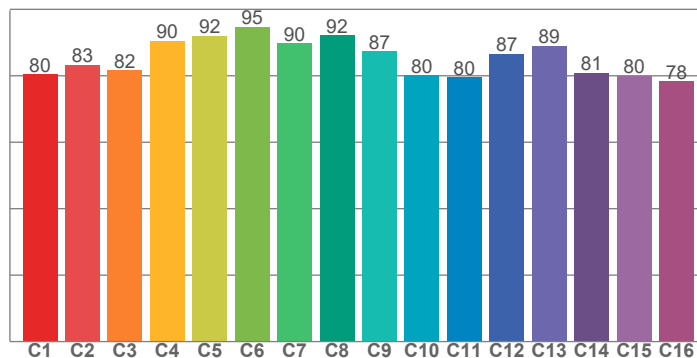
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	83	-7%	6%
3	82	-3%	9%
4	90	-1%	4%
5	92	-2%	2%
6	95	0%	-2%
7	90	-6%	-2%
8	92	-4%	1%
9	87	-5%	7%
10	80	-4%	13%
11	80	2%	13%
12	87	8%	2%
13	89	4%	-7%
14	81	5%	-15%
15	80	-3%	-14%
16	78	-7%	-11%

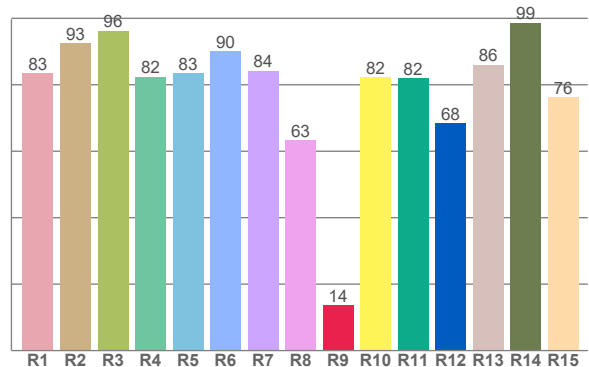




TM-30: 85,2



CRI: 84,5 (R1-R8)



CRlra R1-R8 / CRlre R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,4	92,6	96,3	82,5	83,4	90,0	84,2	63,3	13,7	82,4	82,0	68,4	86,0	98,7	76,2

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,4	83,3	81,6	90,5	92,0	94,7	89,8	92,2	87,3	80,1	79,6	86,6	88,9	80,8	79,9	78,3

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
3424 K	84,5	13,7	85,2	95,2	83,7	0,409	0,391	0,238	0,341	-0,0006

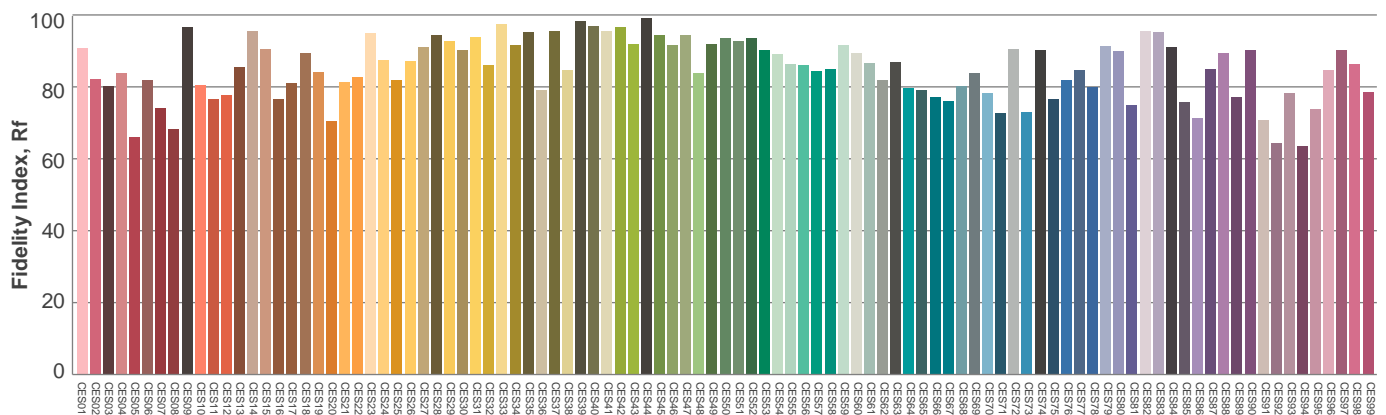
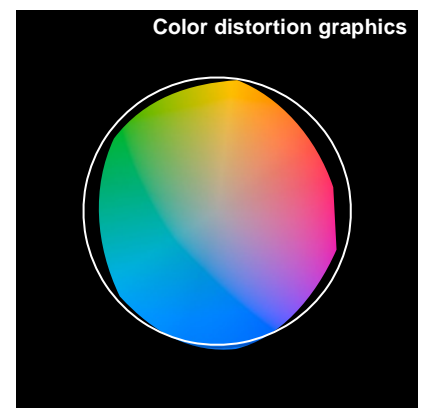
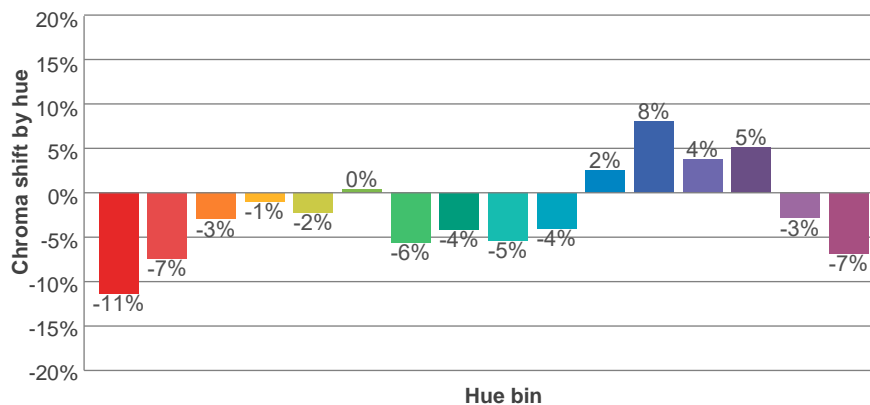
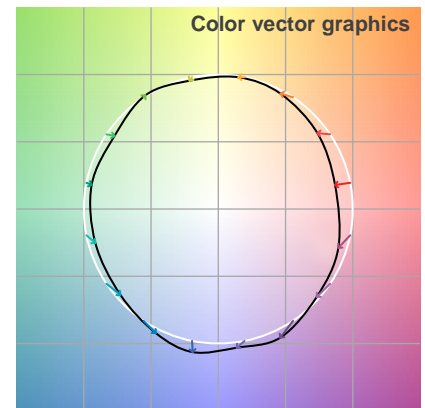
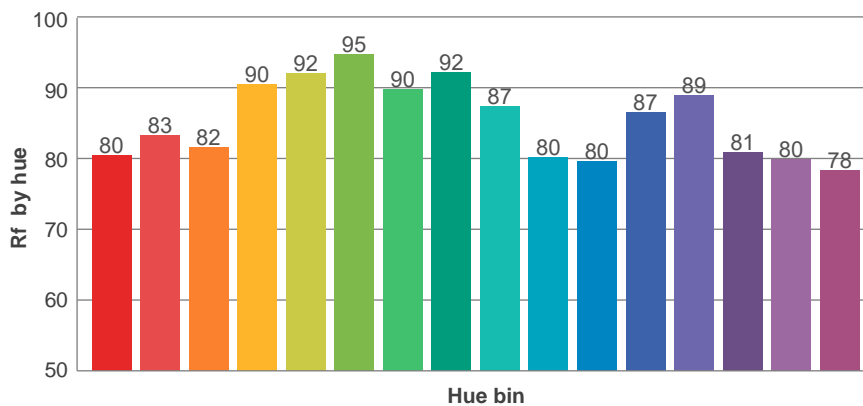
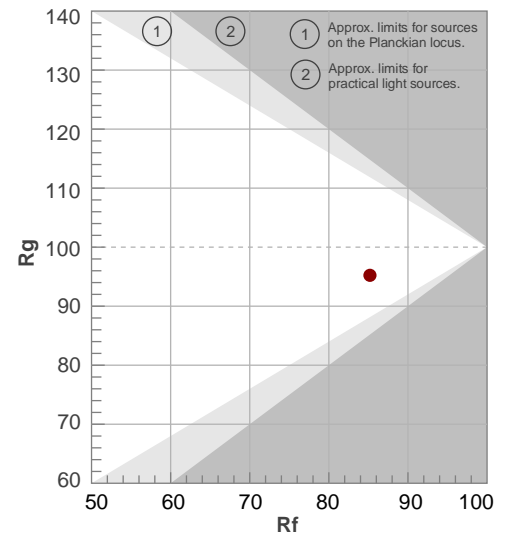
Rf 85,2

Fidelity index Rf

Rg 95,2

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	80	-11%	1%
2	83	-7%	6%
3	82	-3%	9%
4	90	-1%	4%
5	92	-2%	2%
6	95	0%	-2%
7	90	-6%	-2%
8	92	-4%	1%
9	87	-5%	7%
10	80	-4%	13%
11	80	2%	13%
12	87	8%	2%
13	89	4%	-7%
14	81	5%	-15%
15	80	-3%	-14%
16	78	-7%	-11%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

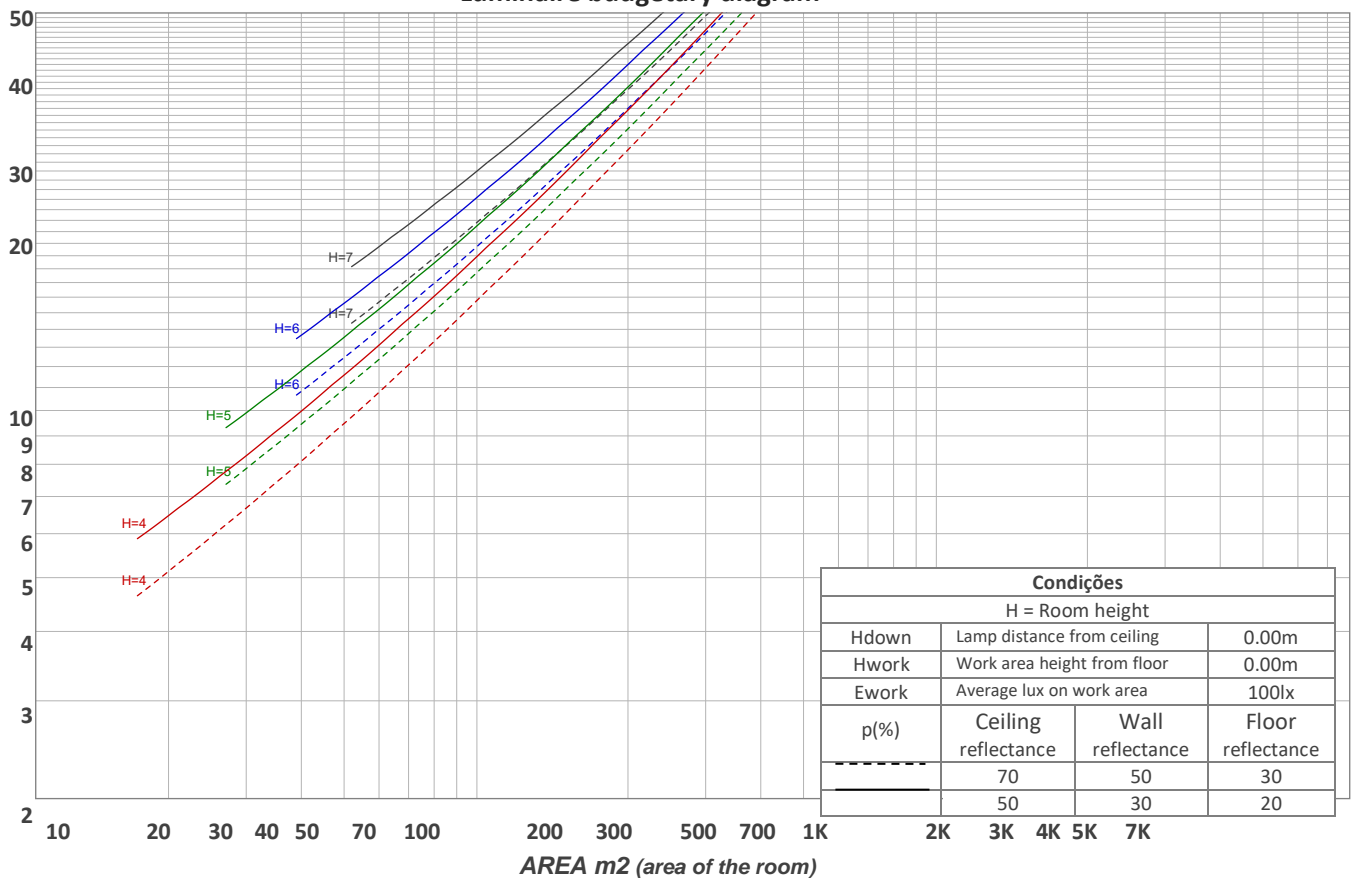
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,7	21,8	20,9	22,1	22,3	22,5	23,6	22,7	23,9	24,1
	3H	21,3	22,5	21,7	22,8	23,0	23,9	25,1	24,3	25,4	25,6
	4H	21,5	22,7	22,0	23,0	23,2	24,5	25,6	24,9	25,9	26,1
	6H	21,8	22,8	22,1	23,1	23,4	24,9	25,9	25,2	26,2	26,6
	8H	21,8	22,8	22,1	23,1	23,5	25,0	25,9	25,3	26,2	26,7
	12H	21,8	22,7	22,1	23,1	23,5	25,0	25,9	25,4	26,3	26,7
4H	2H	21,3	22,4	21,7	22,7	23,0	22,7	23,9	23,2	24,2	24,4
	3H	22,2	23,2	22,6	23,5	24,0	24,5	25,4	24,9	25,8	26,2
	4H	22,5	23,3	22,9	23,7	24,3	25,1	26,0	25,6	26,4	26,9
	6H	22,7	23,5	23,2	23,9	24,2	25,6	26,4	26,1	26,7	27,1
	8H	22,7	23,5	23,2	23,9	24,2	25,7	26,4	26,2	26,8	27,2
	12H	22,7	23,4	23,2	23,8	24,3	25,7	26,3	26,2	26,8	27,2
8H	4H	22,7	23,5	23,2	23,8	24,2	25,2	25,9	25,7	26,3	26,7
	6H	23,0	23,6	23,5	24,1	24,6	25,7	26,3	26,2	26,7	27,3
	8H	23,2	23,6	23,7	24,2	24,8	25,9	26,4	26,4	26,9	27,5
	12H	23,2	23,6	23,8	24,1	24,7	26,0	26,4	26,6	26,9	27,5
12H	4H	22,7	23,3	23,2	23,8	24,2	25,1	25,7	25,6	26,2	26,6
	6H	23,1	23,6	23,6	24,1	24,8	25,7	26,2	26,2	26,7	27,4
	8H	23,2	23,6	23,8	24,1	24,7	25,9	26,3	26,5	26,8	27,4
Variation of the observer position for the luminaire distance S											
S = 1.0H	0,2 / -0,3					0,1 / -0,1					
S = 1.5H	0,5 / -0,8					0,2 / -0,3					
S = 2.0H	1,0 / -1,5					0,6 / -0,7					
Standard table	n/a					n/a					
Correction summand	n/a					n/a					
Corrected glare indices referring to 896 lm total luminous flux											

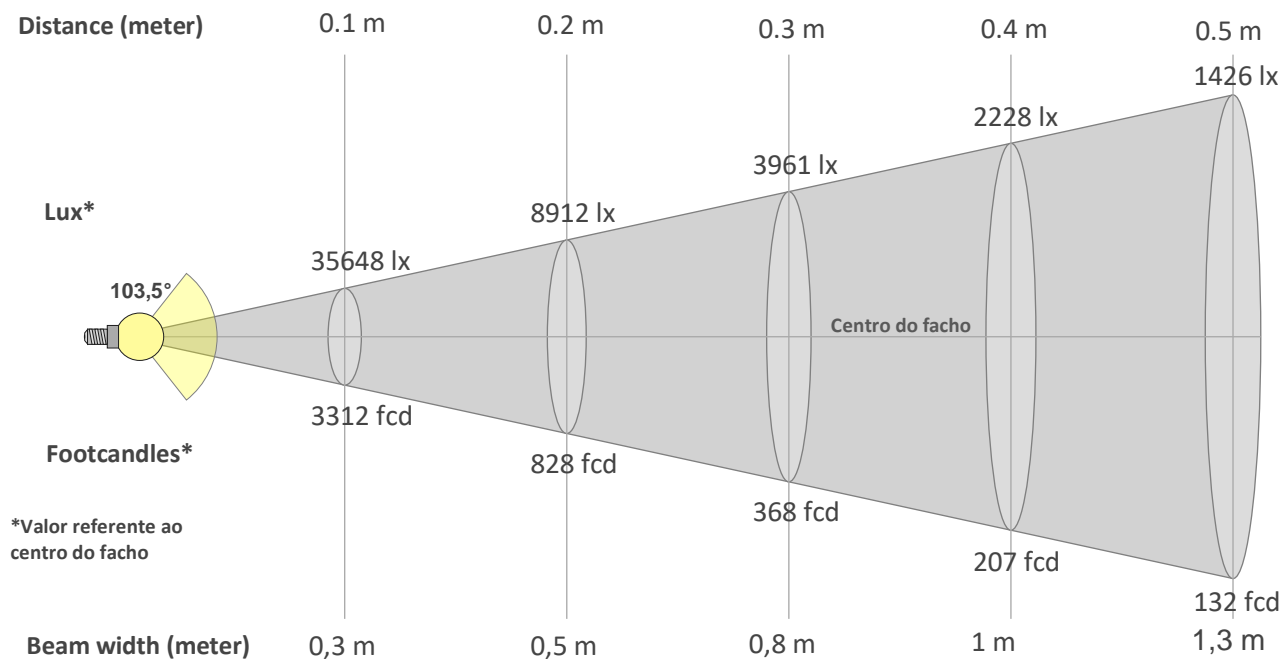
Coeficiente de utilização

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	111	111	111	106	106	106	102	102	102	100
1	110	105	101	98	107	103	99	96	99	96	93	95	92	90	91	89	87	85
2	100	92	86	81	98	90	85	80	87	82	78	84	80	76	81	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	74	69	65	72	67	64	61
4	84	73	64	58	82	71	63	57	69	62	57	66	61	56	64	59	55	53
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	40
7	67	53	45	39	65	53	45	39	51	44	38	50	43	38	48	42	38	36
8	62	49	41	35	60	48	40	35	47	40	34	46	39	34	44	38	34	32
9	58	45	37	31	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	54	41	34	29	53	41	34	28	40	33	28	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
356lx	89lx	40lx	22lx	14lx	10lx	7lx	6lx	4lx	4lx	3lx	2lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx
33,1fcd	8,3fcd	3,7fcd	2,1fcd	1,3fcd	0,9fcd	0,7fcd	0,5fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,2fcd	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°
356	354	347	335	319	301	278	252	224	195	163	129	97	68	44	28	16	5	0	0
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	46%	36%	27%	19%	12%	8%	4%	1%	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°
356	354	350	342	331	317	301	282	261	238	213	186	157	127	96	65	35	11	0	0
100%	99%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	44%	36%	27%	18%	10%	3%	0%	0%

Intensities in 180° c-plane

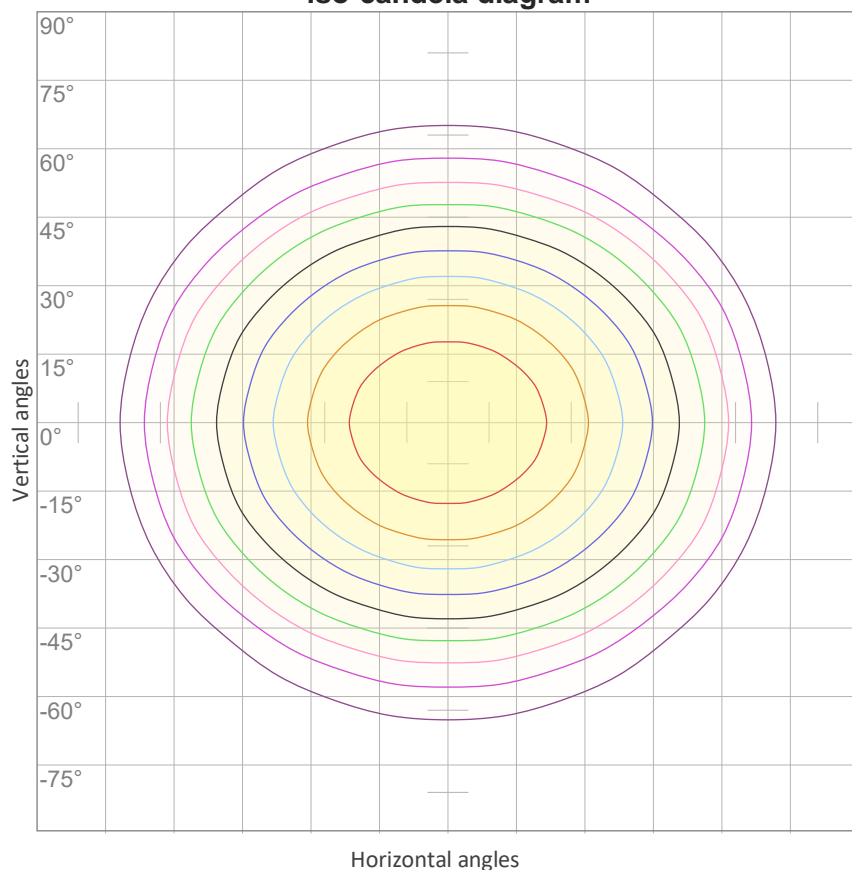
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
356	354	347	335	319	301	278	252	224	195	163	129	97	68	44	28	16	5	0	0
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	46%	36%	27%	19%	12%	8%	4%	1%	0%	0%

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°
356	354	350	342	331	317	301	282	261	238	213	186	157	127	96	65	35	11	0	0
100%	99%	98%	96%	93%	89%	84%	79%	73%	67%	60%	52%	44%	36%	27%	18%	10%	3%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
103,5°	151,2°	168,4°	83,1%	58,4%

iso-candela diagram



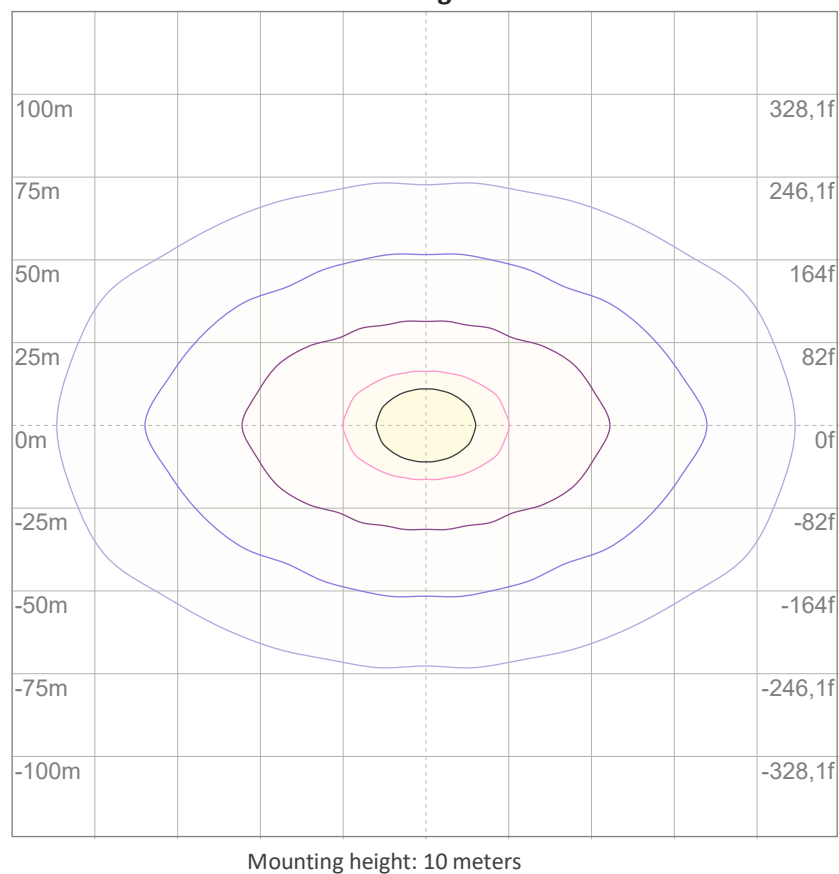
10%	36 cd
20%	71 cd
30%	107 cd
40%	143 cd
50%	178 cd
60%	214 cd
70%	250 cd
80%	285 cd
90%	321 cd

Conditions:

Number of c-planes: 16

Candela at center: 356 cd

iso-lux diagram



3%	0,107 lx
5%	0,178 lx
10%	0,356 lx
30%	1,07 lx
50%	1,78 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,56 lx

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

Potência



Vttagem: 12,0 V

Corrente: 1,20 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a