

SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 20Wm 2400K 95 1M



Fluxo luminoso – 826 lm/m

Potência – 20,5 W/m

Intensidade pico – 334cd

CCT – 2457K

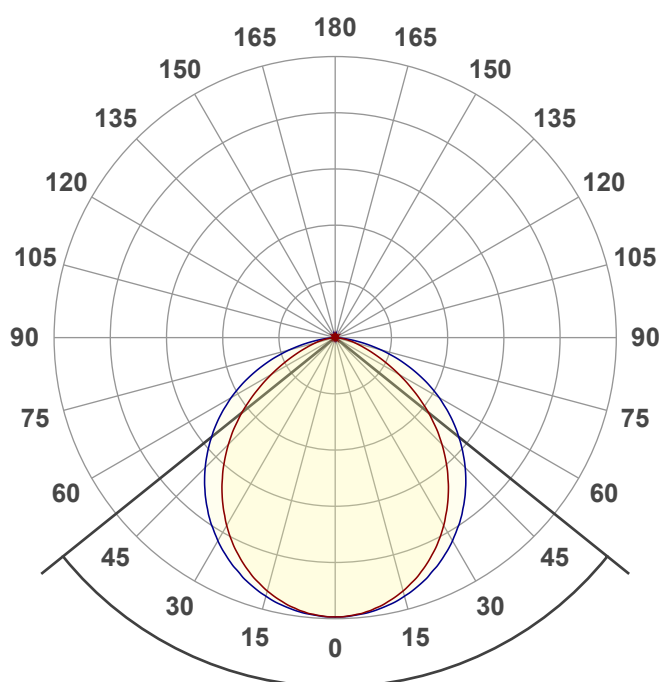


IRC – 96,3

Coordenada CIE 1931 – x- 0,487 y- 0,424

Data do ensaio

30/08/2024 09:45:04



Facho de abertura

102,4°

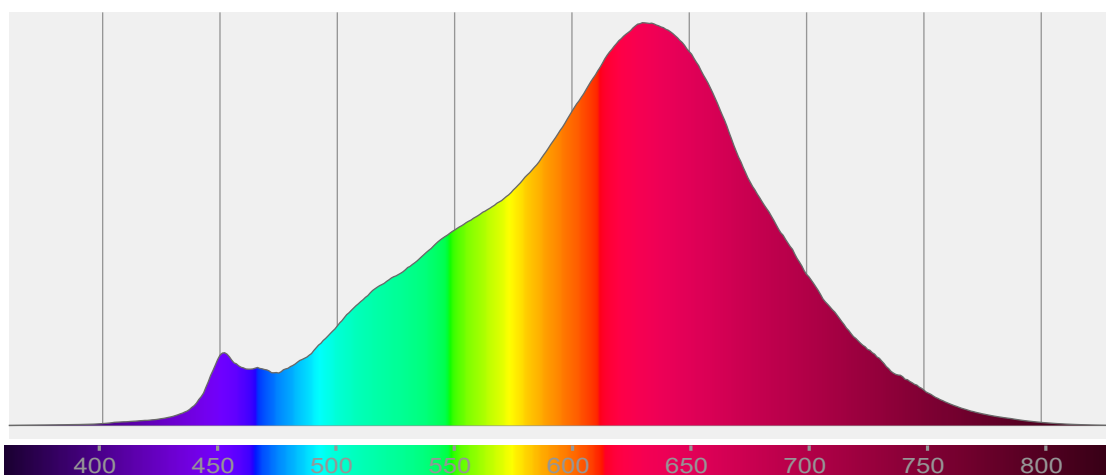
Rf 92,6

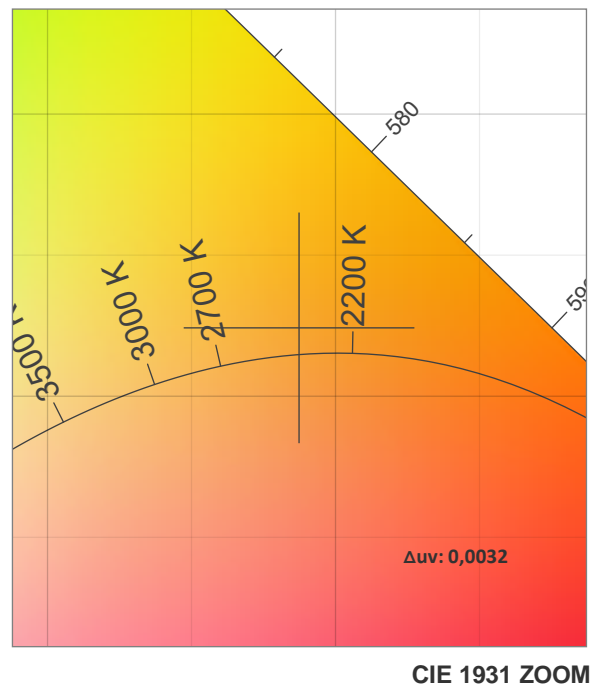
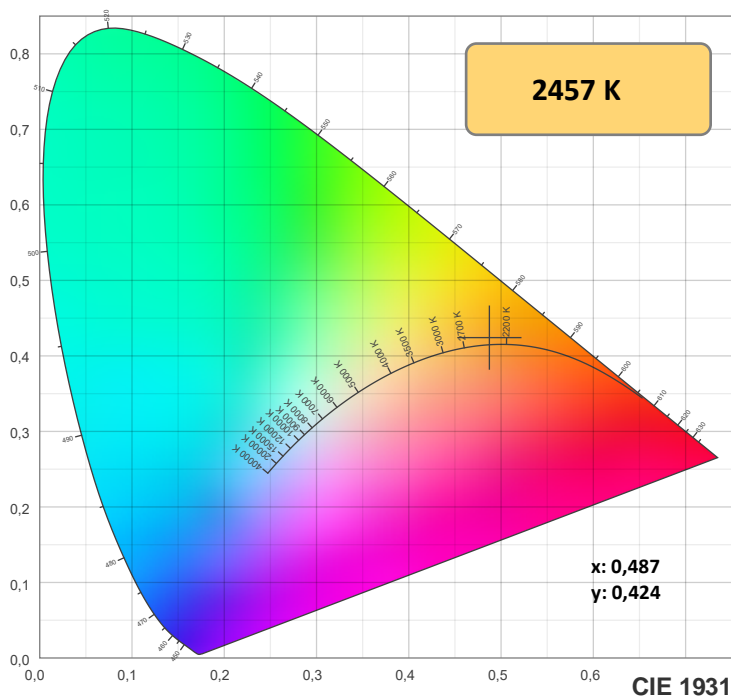
Fidelity index Rf

Rg 96,2

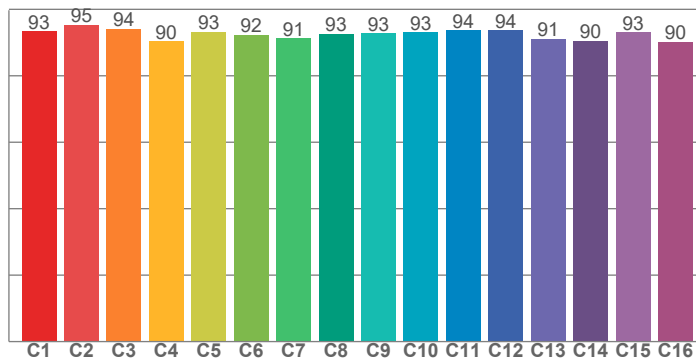
Gamut index Rg

		Shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	93	-3%	1%
2	95	-2%	0%
3	94	-3%	-1%
4	90	-6%	-3%
5	93	-6%	1%
6	92	-4%	4%
7	91	-4%	4%
8	93	-1%	5%
9	93	0%	4%
10	93	0%	4%
11	94	3%	4%
12	94	2%	-2%
13	91	0%	-8%
14	90	0%	-6%
15	93	-3%	0%
16	90	-2%	-6%

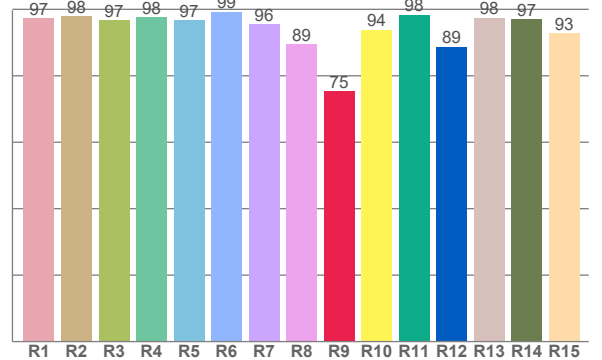




TM-30: 92,6



CRI: 96,3 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,3	97,9	96,7	97,7	96,8	99,3	95,6	89,5	75,4	93,8	98,4	88,8	97,5	96,9	92,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,4	95,3	94,1	90,3	93,2	92,3	91,3	92,7	92,7	93,1	93,6	93,7	91,2	90,5	93,1	90,3

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
2457 K	96,3	75,4	92,6	96,2	87,9	0,487	0,424	0,274	0,358	0,0032

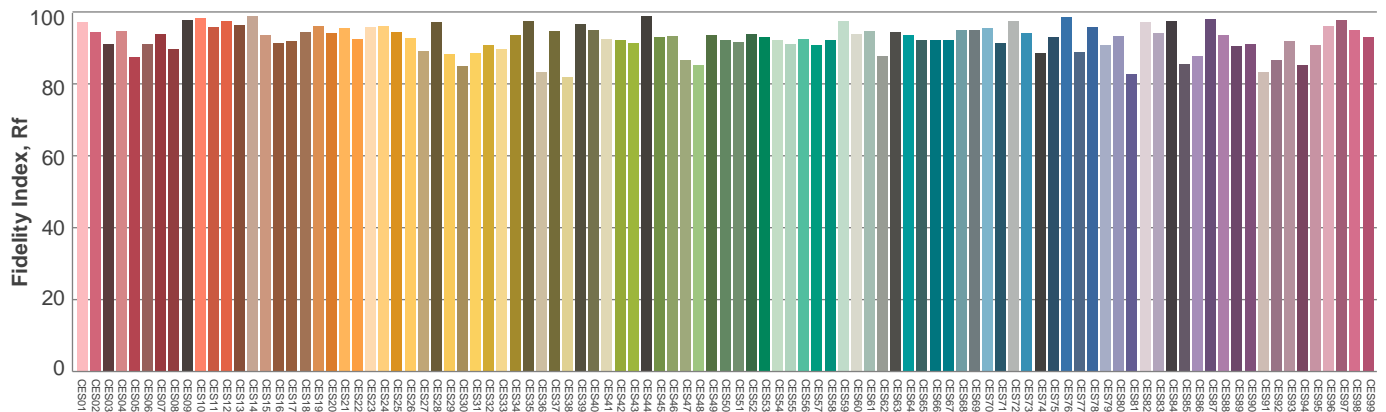
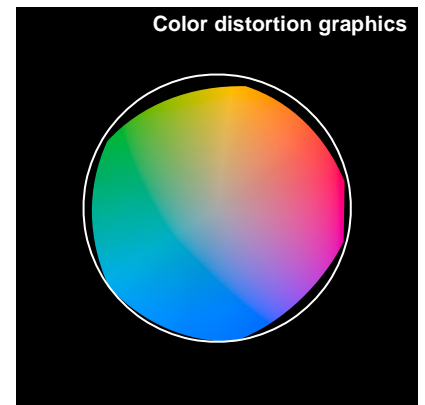
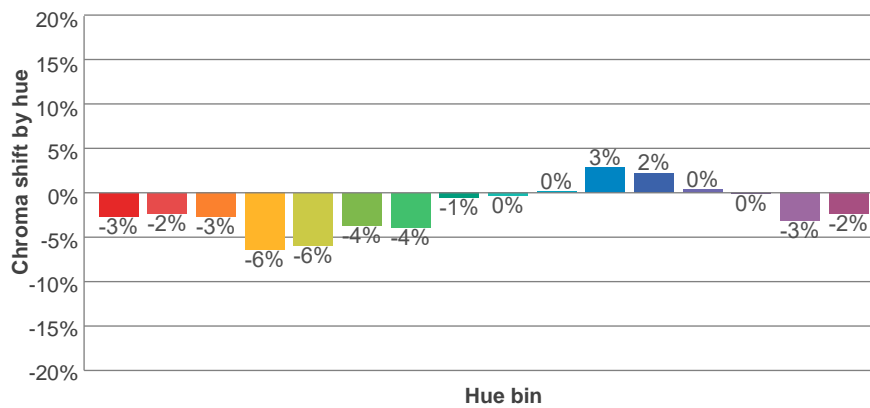
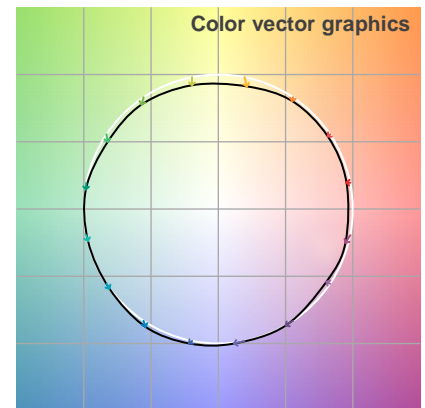
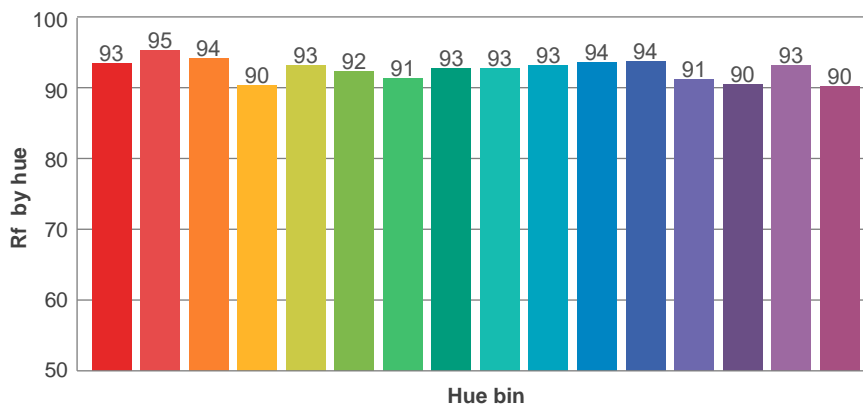
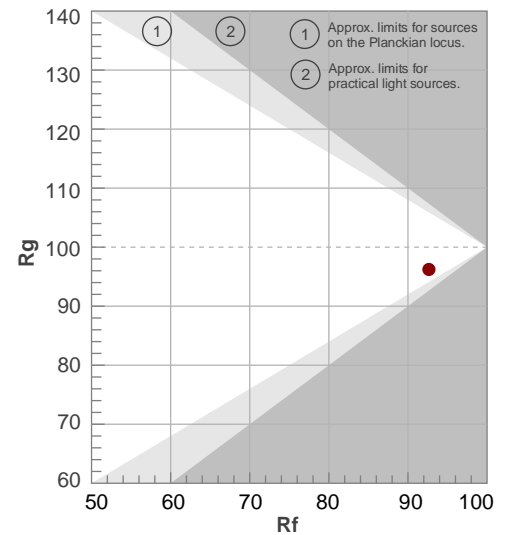
Rf 92,6

Fidelity index Rf

Rg 96,2

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	0%
3	94	-3%	-1%
4	90	-6%	-3%
5	93	-6%	1%
6	92	-4%	4%
7	91	-4%	4%
8	93	-1%	5%
9	93	0%	4%
10	93	0%	4%
11	94	3%	4%
12	94	2%	-2%
13	91	0%	-8%
14	90	0%	-6%
15	93	-3%	0%
16	90	-2%	-6%



Glare Evaluation According to UGR

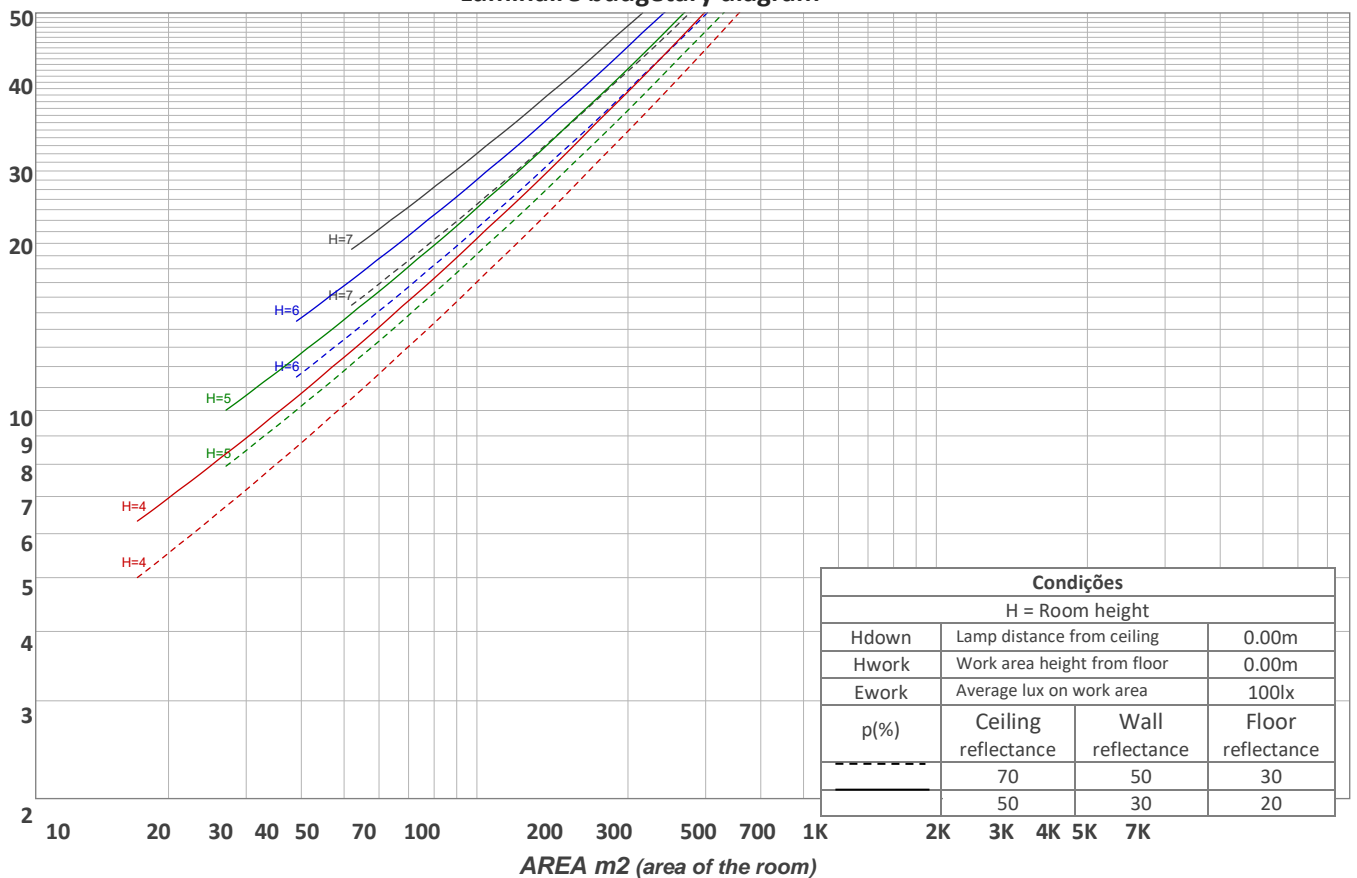
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	20,3	21,5	20,6	21,8	22,0	22,1	23,3	22,4	23,6	23,8
	3H	21,0	22,2	21,4	22,4	22,6	23,5	24,7	23,9	25,0	25,2
	4H	21,2	22,3	21,6	22,6	22,9	24,1	25,2	24,5	25,5	25,7
	6H	21,4	22,4	21,7	22,7	23,0	24,4	25,4	24,8	25,7	26,1
	8H	21,4	22,4	21,8	22,7	23,1	24,5	25,5	24,8	25,8	26,2
	12H	21,4	22,3	21,8	22,7	23,1	24,5	25,4	24,9	25,8	26,2
4H	2H	21,0	22,1	21,4	22,4	22,6	22,4	23,6	22,8	23,8	24,1
	3H	21,9	22,8	22,2	23,1	23,6	24,1	25,0	24,5	25,4	25,8
	4H	22,1	22,9	22,5	23,3	23,9	24,7	25,5	25,1	25,9	26,5
	6H	22,3	23,1	22,8	23,5	23,8	25,1	25,9	25,6	26,2	26,6
	8H	22,3	23,1	22,8	23,4	23,8	25,2	25,9	25,7	26,3	26,7
	12H	22,3	22,9	22,8	23,4	23,8	25,2	25,8	25,7	26,2	26,7
8H	4H	22,3	23,1	22,8	23,4	23,8	24,7	25,5	25,2	25,8	26,2
	6H	22,6	23,2	23,1	23,6	24,2	25,2	25,8	25,7	26,2	26,8
	8H	22,7	23,2	23,2	23,7	24,4	25,4	25,8	25,9	26,4	27,0
	12H	22,7	23,1	23,3	23,6	24,3	25,4	25,8	26,0	26,3	26,9
12H	4H	22,3	22,9	22,8	23,3	23,8	24,7	25,3	25,2	25,7	26,2
	6H	22,7	23,1	23,2	23,7	24,3	25,2	25,7	25,7	26,2	26,9
	8H	22,8	23,2	23,3	23,7	24,3	25,3	25,8	25,9	26,3	26,9
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 / -0,9					0,2 / -0,3				
S = 2.0H		1,1 / -1,7					0,7 / -0,8				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 826 lm total luminous flux											

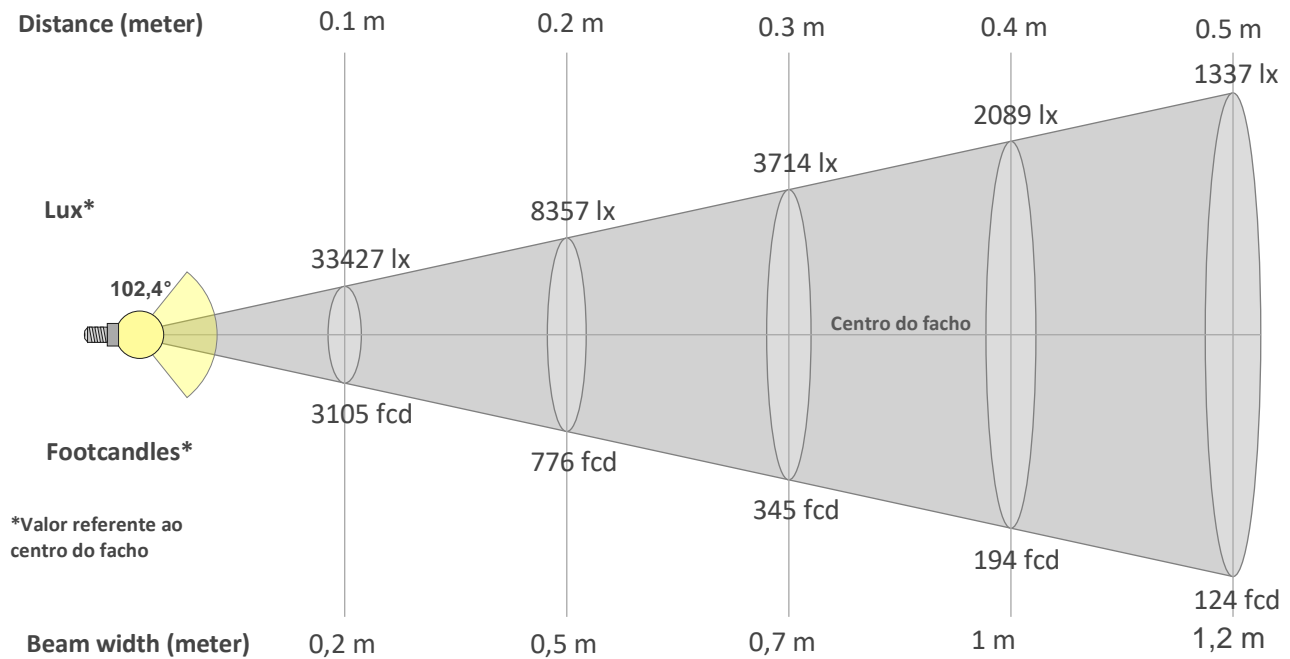
Coeficiente de utilização

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	88	86
2	100	93	86	81	98	91	85	80	87	82	78	84	80	76	81	78	75	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	65	58	82	72	64	58	69	62	57	67	61	56	65	60	55	53
5	78	65	57	50	76	64	56	50	62	55	50	60	54	49	58	53	49	46
6	72	59	50	44	70	58	50	44	56	49	44	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	39	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	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	29	38	33	28	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
334lx	84lx	37lx	21lx	13lx	9lx	7lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
31,1fcd	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°
334	332	325	314	299	281	260	235	209	181	151	119	88	61	40	25	14	4	0	0
100%	99%	97%	94%	89%	84%	78%	70%	63%	54%	45%	36%	26%	18%	12%	7%	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°
334	333	328	320	310	297	281	263	242	220	196	171	144	115	86	57	29	8	1	0
100%	100%	98%	96%	93%	89%	84%	79%	72%	66%	59%	51%	43%	35%	26%	17%	9%	2%	0%	0%

Intensities in 180° c-plane

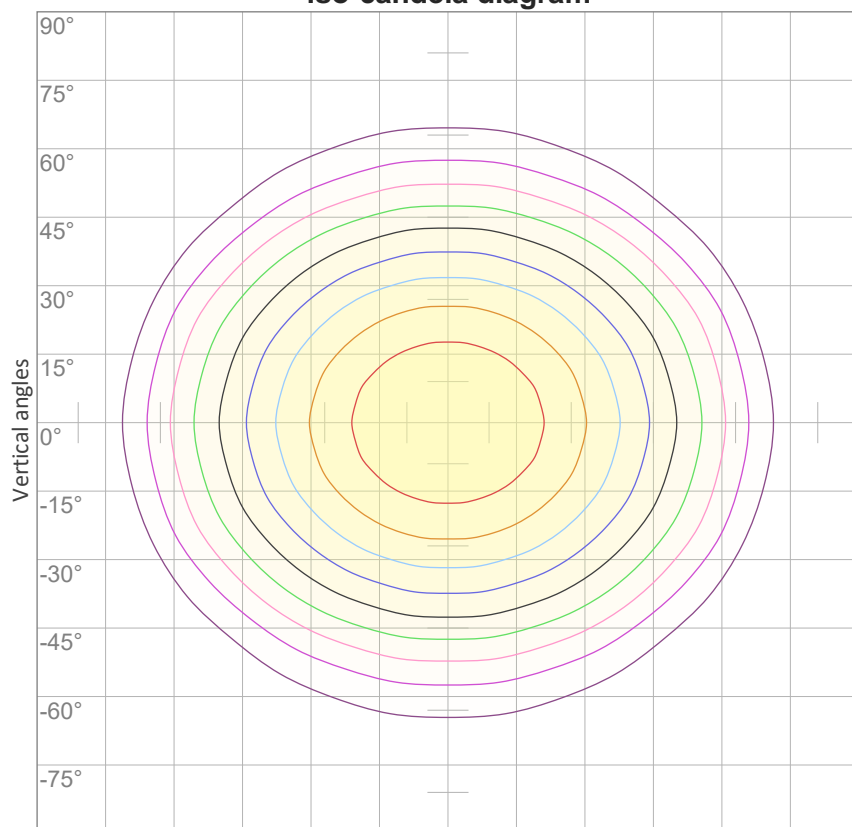
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
334	332	325	314	299	281	260	235	209	181	151	119	88	61	40	25	14	4	0	0
100%	99%	97%	94%	89%	84%	78%	70%	63%	54%	45%	36%	26%	18%	12%	7%	4%	1%	0%	0%

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°
334	333	328	320	310	297	281	263	242	220	196	171	144	115	86	57	29	8	1	0
100%	100%	98%	96%	93%	89%	84%	79%	72%	66%	59%	51%	43%	35%	26%	17%	9%	2%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
102,4°	150°	167,2°	83,8%	59,0%

iso-candela diagram



Horizontal angles

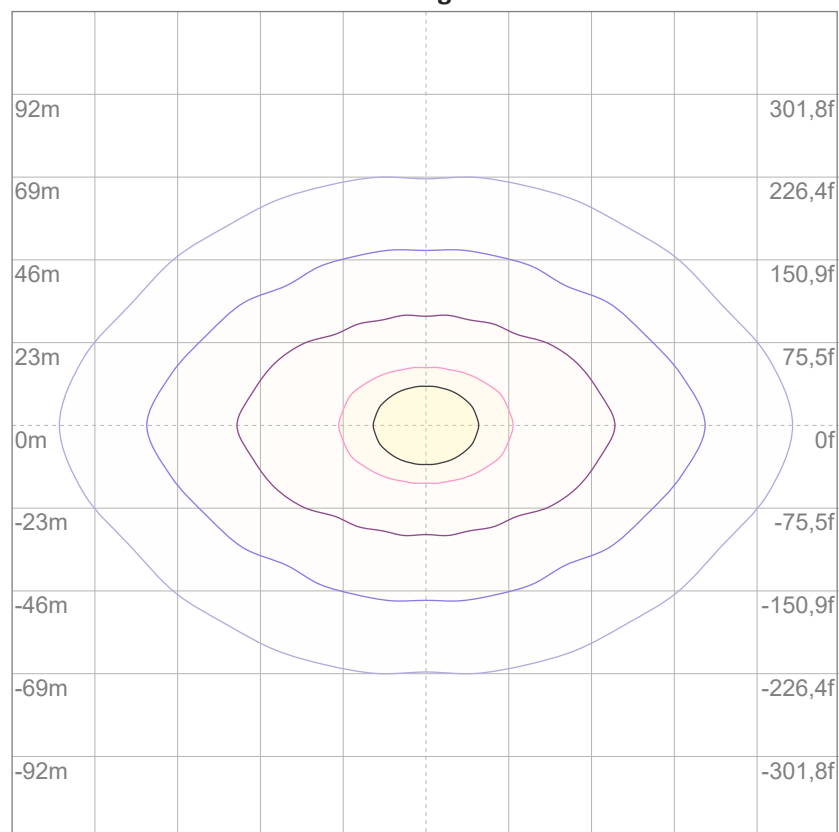
10%	33 cd
20%	67 cd
30%	100 cd
40%	134 cd
50%	167 cd
60%	201 cd
70%	234 cd
80%	267 cd
90%	301 cd

Conditions:

Number of c-planes: 16

Candela at center: 334 cd

iso-lux diagram



Mounting height: 10 meters

3%	0,100 lx
5%	0,167 lx
10%	0,334 lx
30%	1,00 lx
50%	1,67 lx

Conditions:

Number of c-planes: 16

Lux at center: 3,34 lx

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

Potência



Vttagem: 12,0 V

Corrente: 1,71 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a