

SLED9122SR LUMINARIA LINEAR DE SOBREPOR 2x2 20Wm 4000K 95 1M



Fluxo luminoso – 1072 lm/m

Potência – 20,1 W/m

Intensidade pico – 429cd

CCT – 4067K

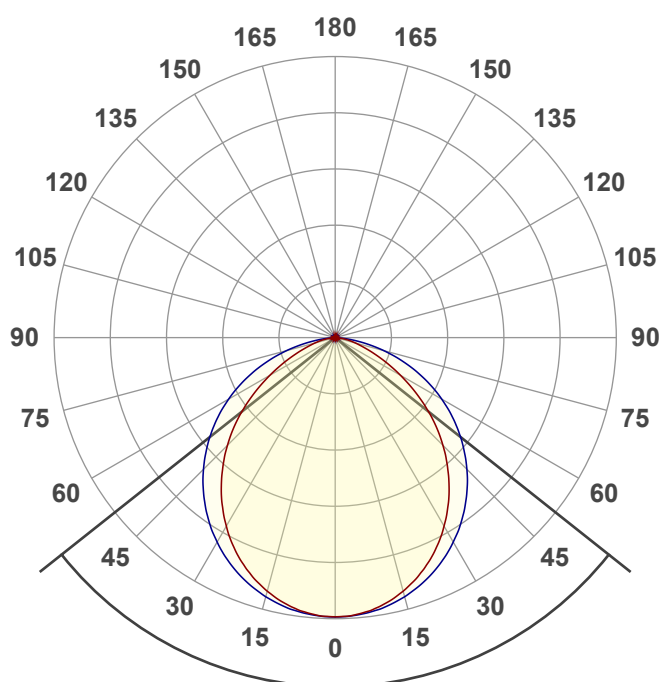


IRC – 98,4

Coordenada CIE 1931 – x- 0,378 y- 0,376

Data do ensaio

28/08/2024 13:15:45



Facho de abertura

103,1°

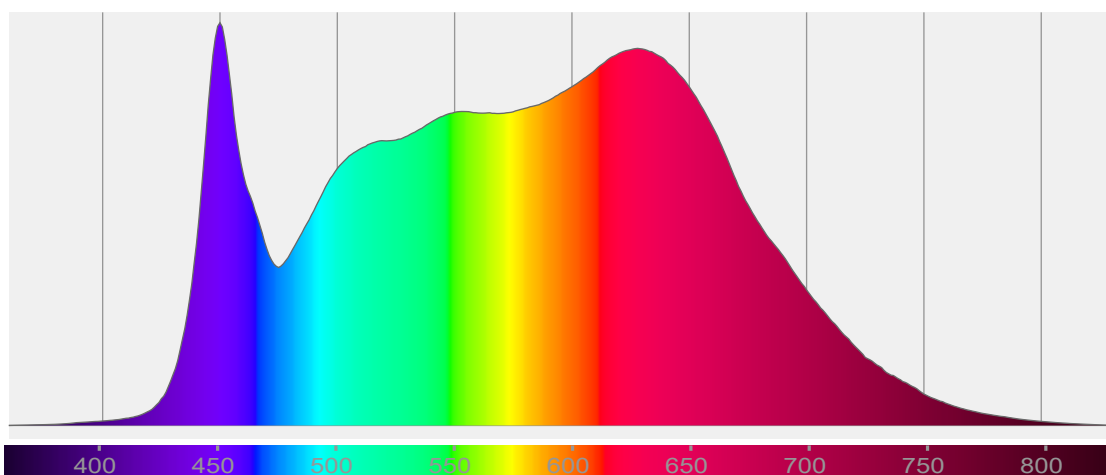
Rf 94,4

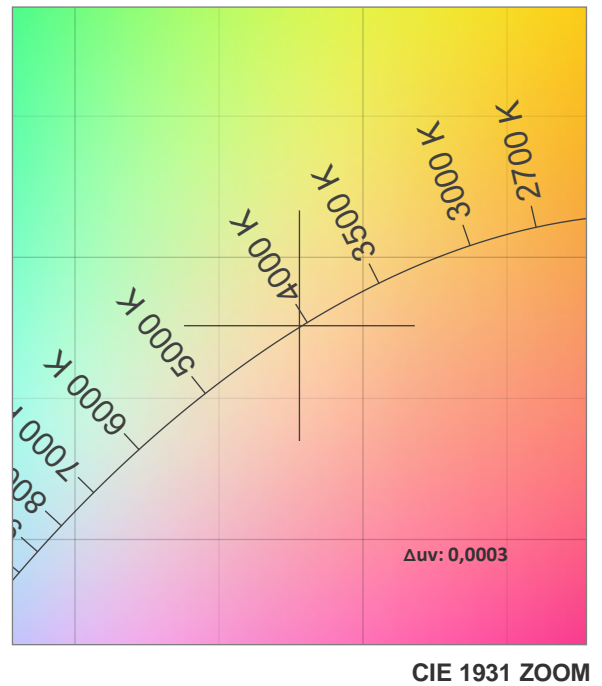
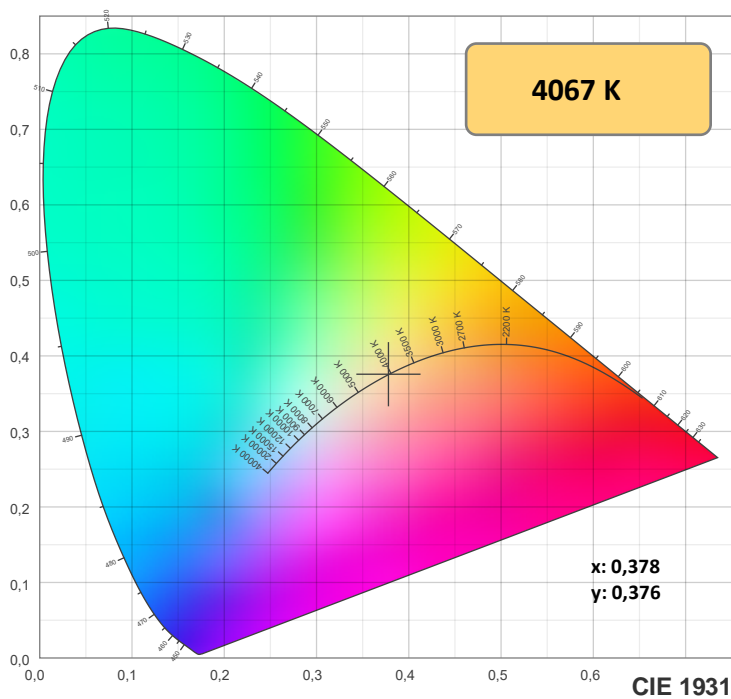
Fidelity index Rf

Rg 100,3

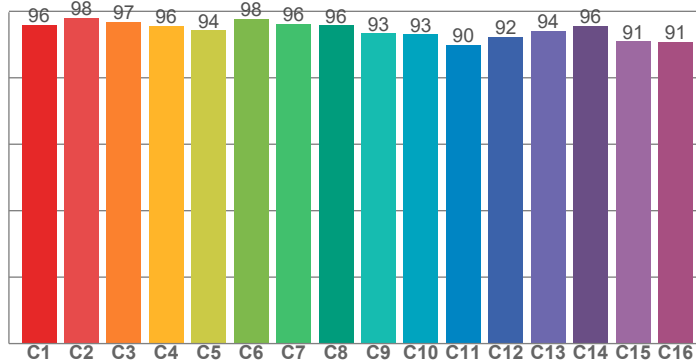
Gamut index Rg

		Shifts (%)	
Hue Bin	R _f	Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	96	-2%	-1%
5	94	-4%	0%
6	98	0%	1%
7	96	-1%	2%
8	96	-1%	3%
9	93	0%	5%
10	93	0%	4%
11	90	3%	6%
12	92	3%	2%
13	94	3%	-2%
14	96	1%	-1%
15	91	2%	-5%
16	91	2%	-5%

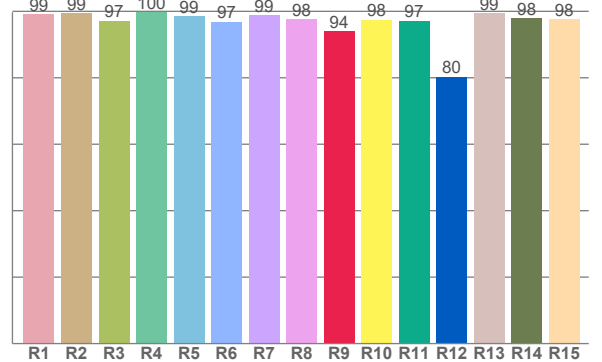




TM-30: 94,4



CRI: 98,4 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
99,1	99,4	97,1	99,6	98,6	96,9	98,8	97,7	93,9	97,5	97,1	80,3	99,4	97,9	97,7

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,9	98,1	96,9	95,6	94,3	97,7	96,2	95,7	93,4	93,0	90,0	92,4	94,1	95,7	91,0	90,7

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
4067 K	98,4	93,9	94,4	100,3	96,8	0,378	0,376	0,224	0,334	0,0003

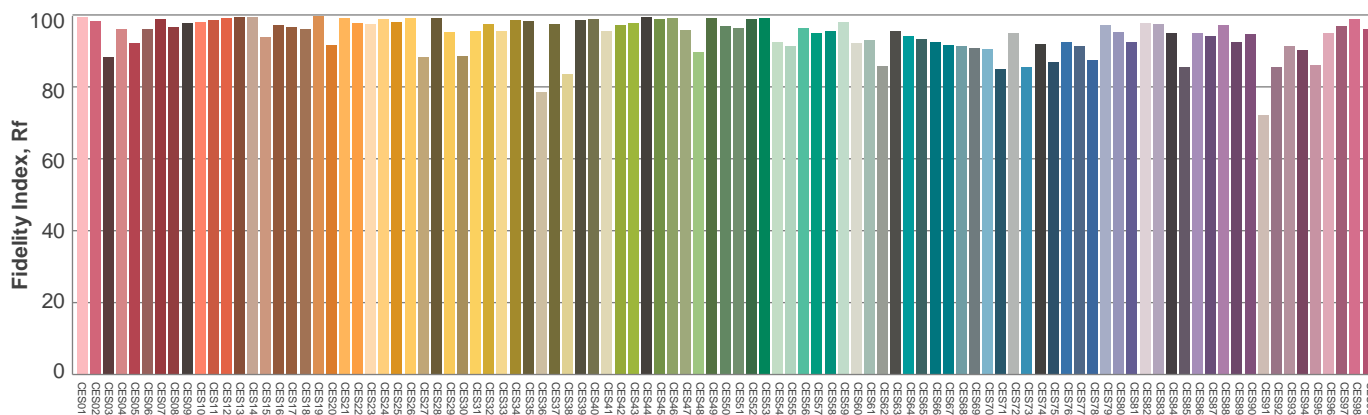
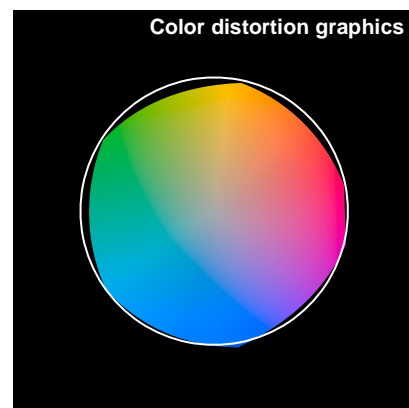
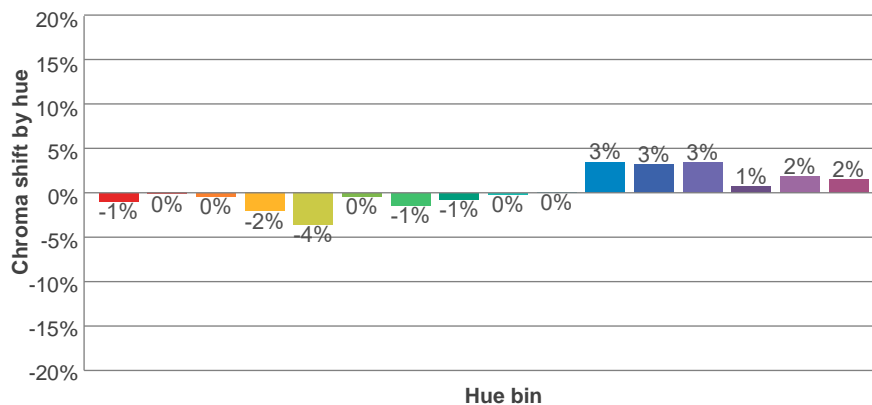
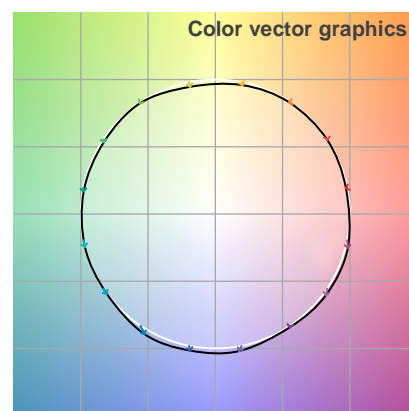
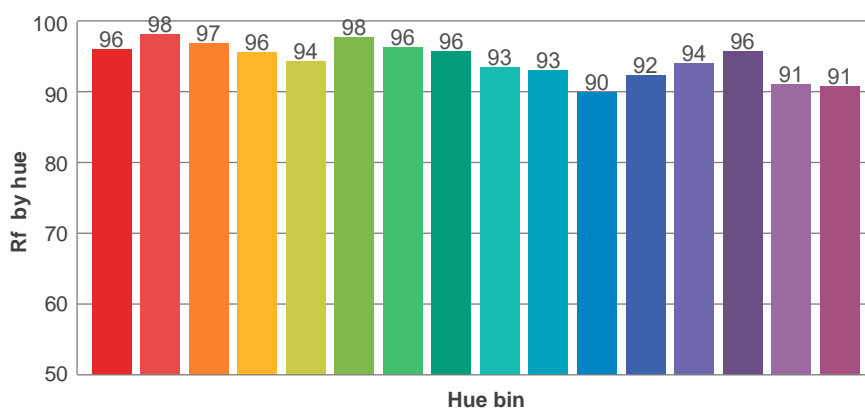
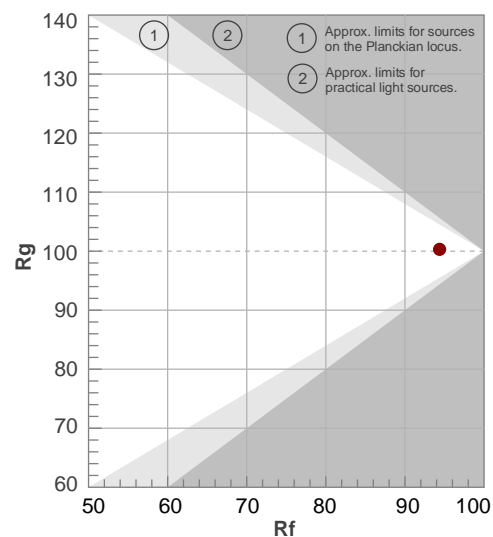
Rf 94,4

Fidelity index Rf

Rg 100,3

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	96	-1%	0%
2	98	0%	0%
3	97	0%	0%
4	96	-2%	-1%
5	94	-4%	0%
6	98	0%	1%
7	96	-1%	2%
8	96	-1%	3%
9	93	0%	5%
10	93	0%	4%
11	90	3%	6%
12	92	3%	2%
13	94	3%	-2%
14	96	1%	-1%
15	91	2%	-5%
16	91	2%	-5%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

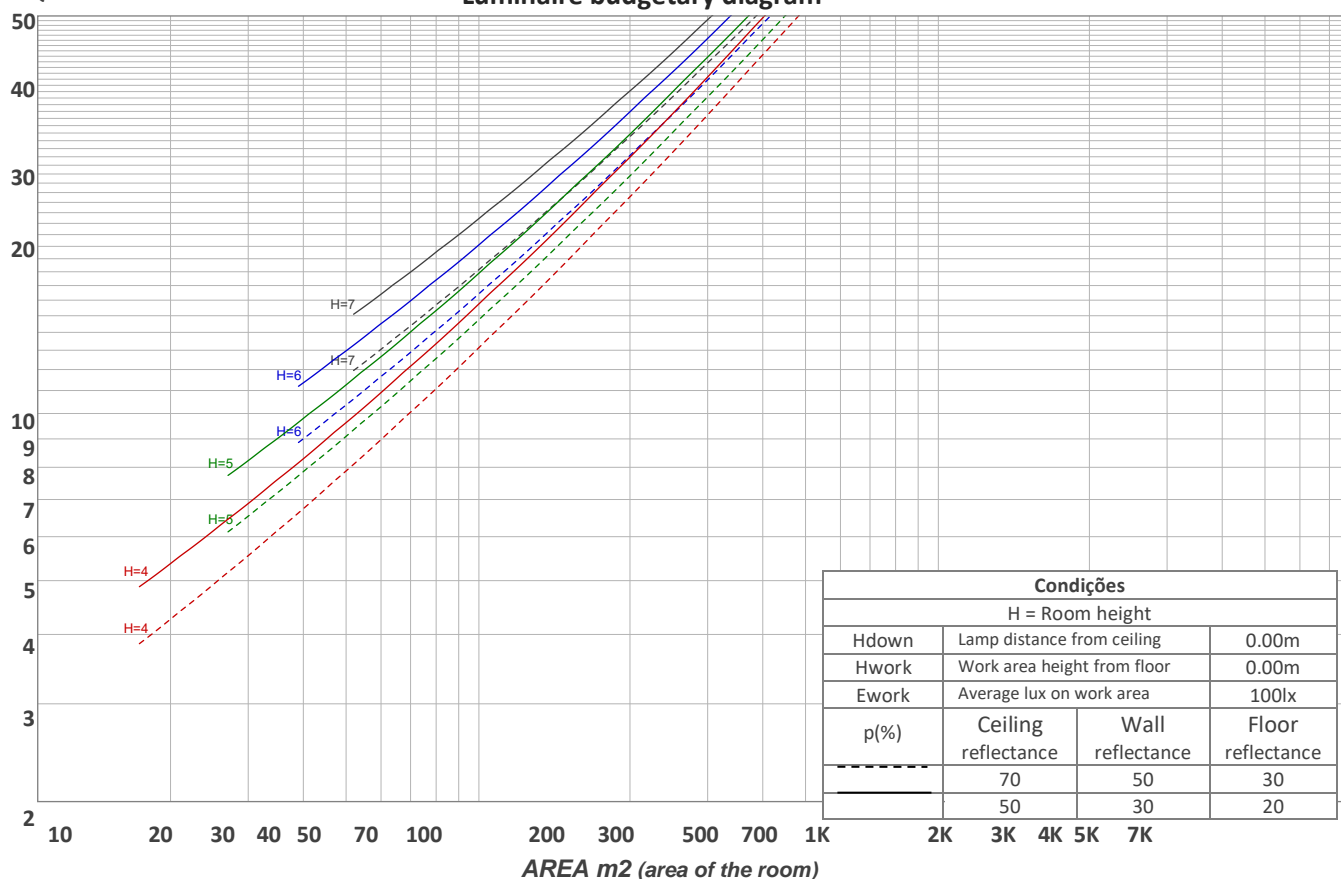
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	21,3	22,4	21,5	22,7	23,0	23,1	24,2	23,3	24,5	24,7
	3H	21,9	23,1	22,3	23,4	23,6	24,5	25,7	24,9	26,0	26,2
	4H	22,2	23,3	22,6	23,6	23,8	25,1	26,2	25,5	26,5	26,8
	6H	22,4	23,4	22,7	23,6	24,0	25,5	26,5	25,8	26,8	27,2
	8H	22,4	23,3	22,7	23,7	24,1	25,6	26,5	25,9	26,9	27,3
	12H	22,4	23,3	22,7	23,6	24,1	25,6	26,5	26,0	26,9	27,3
4H	2H	21,9	23,1	22,3	23,3	23,6	23,4	24,5	23,8	24,8	25,0
	3H	22,8	23,8	23,2	24,1	24,6	25,1	26,0	25,5	26,4	26,8
	4H	23,1	23,9	23,5	24,3	24,9	25,7	26,6	26,1	27,0	27,5
	6H	23,3	24,1	23,8	24,4	24,8	26,2	27,0	26,7	27,3	27,7
	8H	23,3	24,1	23,8	24,4	24,8	26,3	27,0	26,8	27,4	27,8
	12H	23,3	23,9	23,8	24,3	24,8	26,3	26,9	26,8	27,4	27,8
8H	4H	23,3	24,1	23,8	24,4	24,8	25,7	26,5	26,3	26,9	27,2
	6H	23,6	24,2	24,1	24,6	25,2	26,3	26,9	26,8	27,3	27,9
	8H	23,7	24,2	24,2	24,7	25,4	26,5	27,0	27,0	27,5	28,1
	12H	23,7	24,1	24,3	24,7	25,3	26,5	27,0	27,1	27,5	28,1
12H	4H	23,3	23,9	23,8	24,3	24,8	25,7	26,3	26,2	26,8	27,2
	6H	23,7	24,2	24,2	24,7	25,3	26,3	26,8	26,8	27,3	27,9
	8H	23,8	24,2	24,3	24,7	25,3	26,5	26,9	27,1	27,4	28,0
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 / -1,6					0,6 / -0,8				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1072 lm total luminous flux											

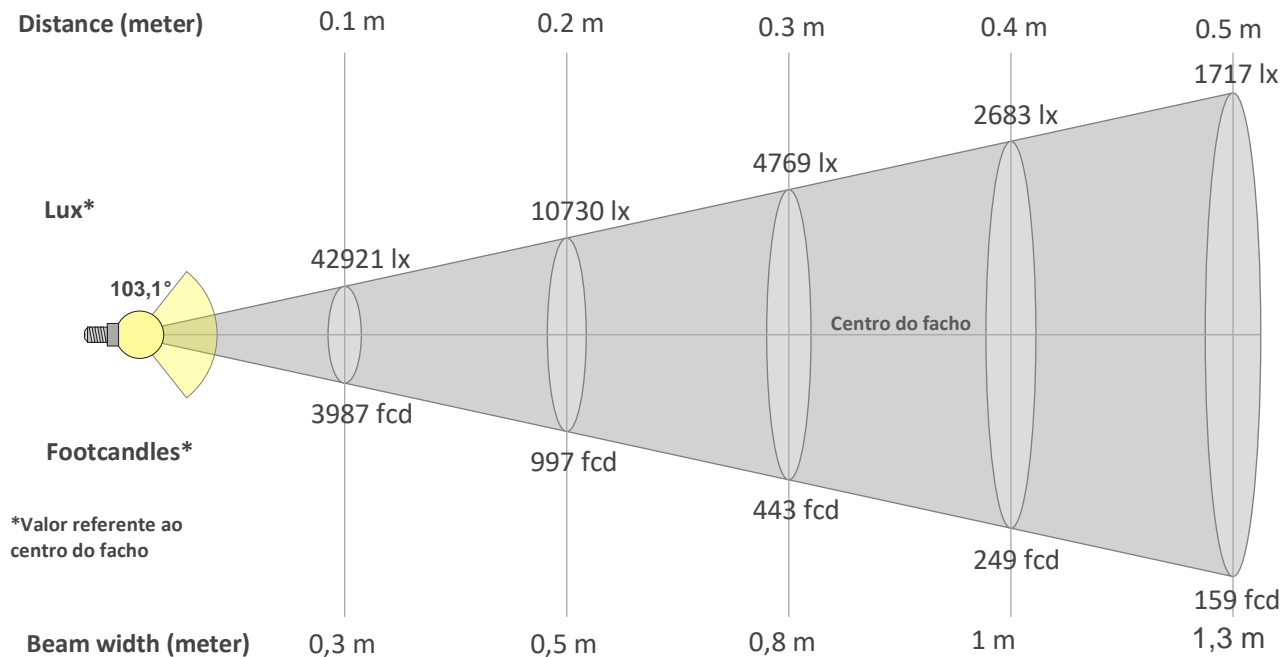
Coeficiente de utilização

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	77	74	72
3	92	82	74	68	89	80	73	67	77	71	66	75	69	65	72	68	64	62
4	84	73	64	58	82	71	64	58	69	62	57	67	61	56	65	59	55	53
5	78	65	57	50	76	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	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32
9	58	45	37	32	57	44	37	31	43	36	31	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	28	39	33	28	38	32	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
429lx	107lx	48lx	27lx	17lx	12lx	9lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
39,9fcd	10fcd	4,4fcd	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°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
429	426	417	404	385	362	335	304	270	234	196	155	116	81	52	33	18	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°
429	427	422	412	399	383	363	340	314	286	256	224	189	153	115	77	41	12	0	0
100%	100%	98%	96%	93%	89%	85%	79%	73%	67%	60%	52%	44%	36%	27%	18%	10%	3%	0%	0%

Intensities in 180° c-plane

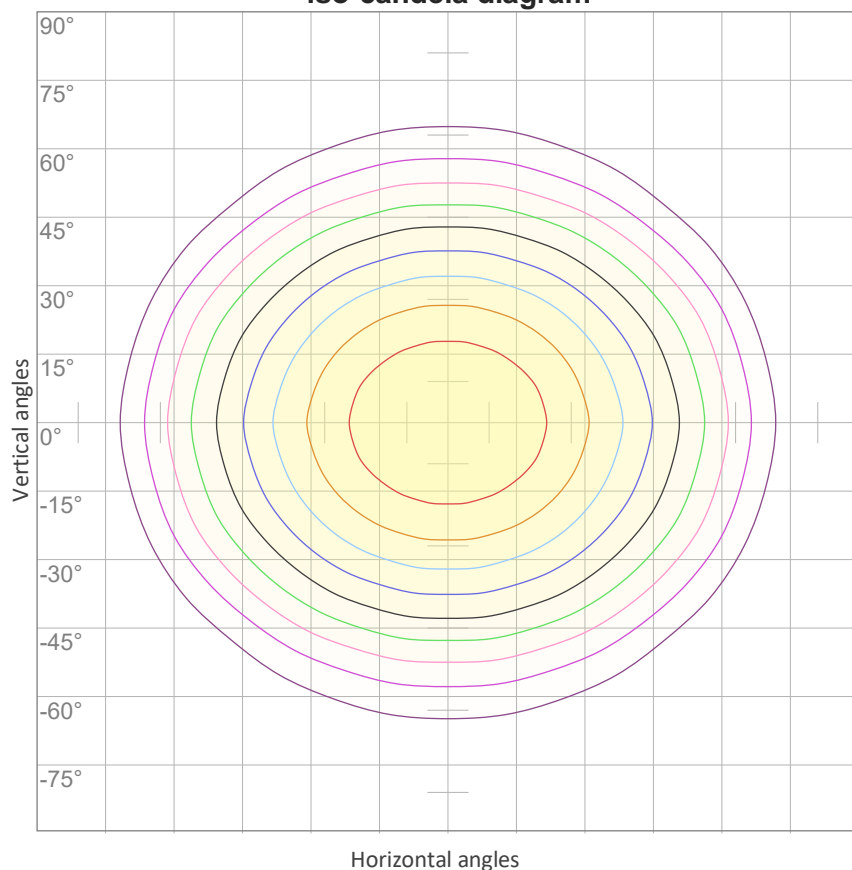
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
429	426	417	404	385	362	335	304	270	234	196	155	116	81	52	33	18	5	0	0
100%	99%	97%	94%	90%	84%	78%	71%	63%	55%	46%	36%	27%	19%	12%	8%	4%	1%	0%	0%

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°
429	427	422	412	399	383	363	340	314	286	256	224	189	153	115	77	41	12	0	0
100%	100%	98%	96%	93%	89%	85%	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
103,1°	150,8°	167,7°	83,5%	58,7%

iso-candela diagram



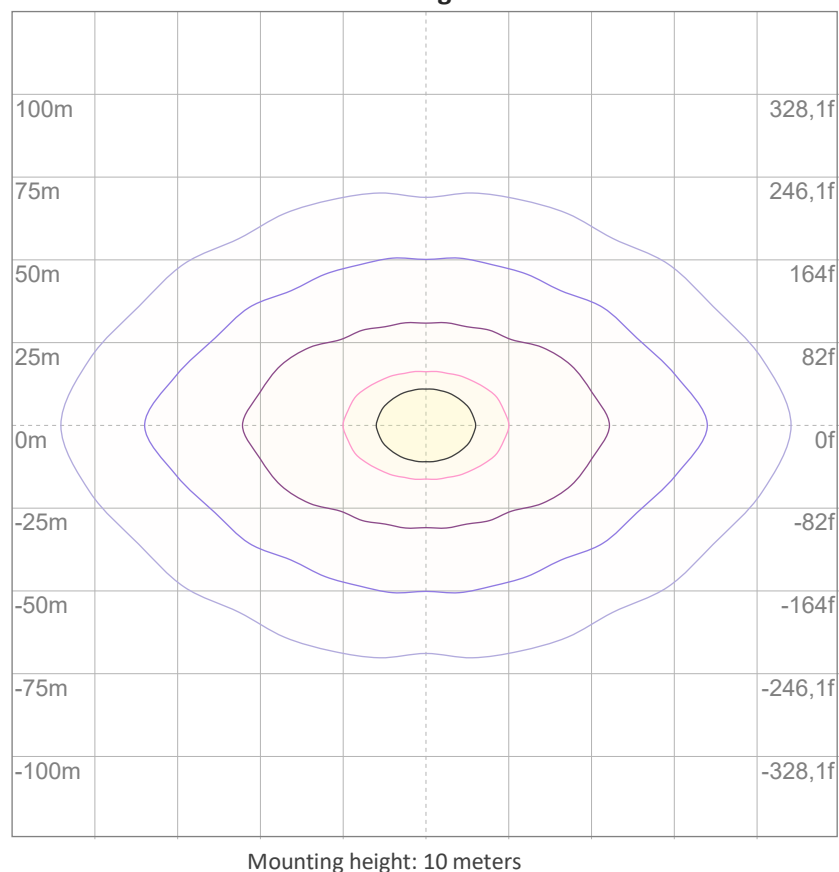
10%	43 cd
20%	86 cd
30%	129 cd
40%	172 cd
50%	215 cd
60%	258 cd
70%	300 cd
80%	343 cd
90%	386 cd

Conditions:

Number of c-planes: 16

Candela at center: 429 cd

iso-lux diagram



3%	0,129 lx
5%	0,215 lx
10%	0,429 lx
30%	1,29 lx
50%	2,15 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,29 lx

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

Potência



Vttagem: 211 V
Corrente: 0,095 A
Frequência: 0 Hz
FP: 1,0

THD



THD corrente: n/a
THD tensão: n/a