

9003 SLED9003U BRANCA FITA 20WM 2700K 95 - 1m



Luminária linear de sobrepor em forro de gesso ou Dry-wall 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 – 1116 lm/m

Potência – 20,6 W/m

Intensidade pico – 250cd

CCT – 2656K



IRC – 97,1

Coordenada CIE 1931 – x- 0,466 y- 0,416

A x L - 21x24

Peso - 0,18kg/m

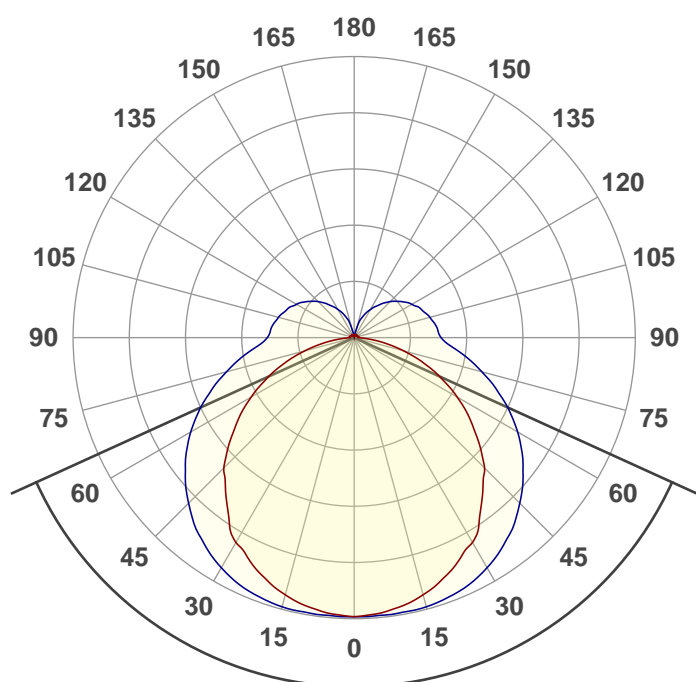
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - 12vdc

Data do ensaio

07/03/2022 14:40:07



Facho de abertura

131,1°

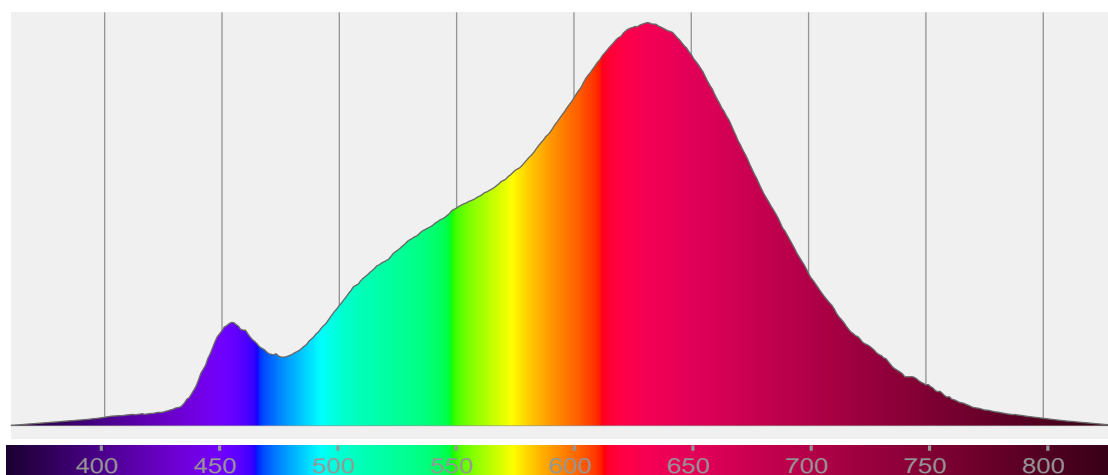
Rf 95,2

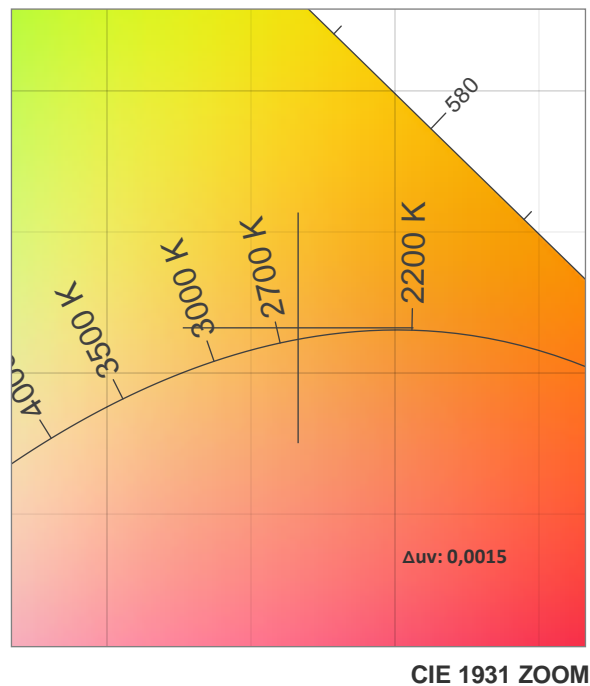
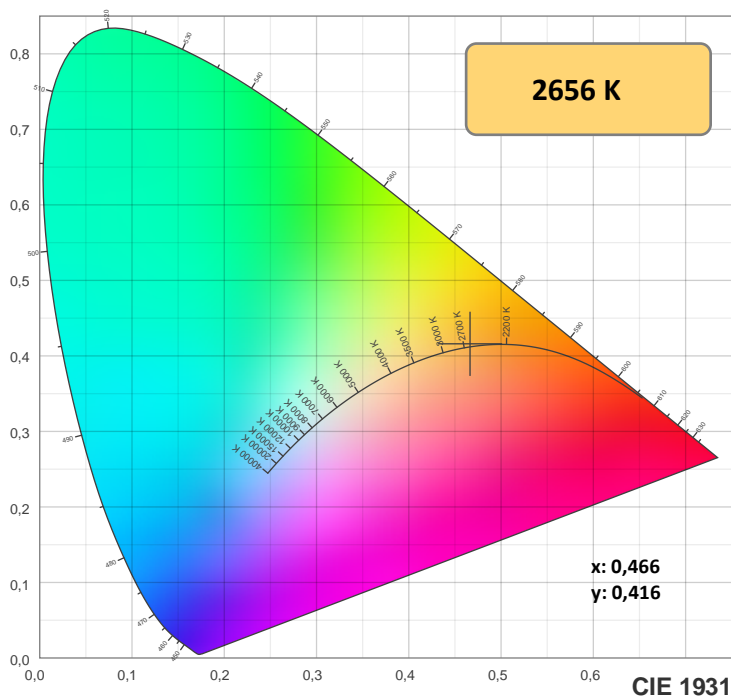
Fidelity index Rf

Rg 99,2

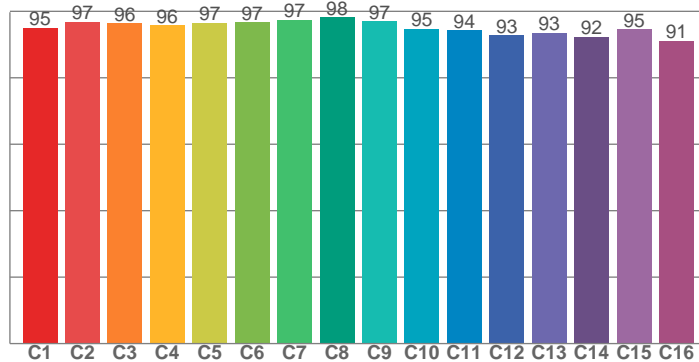
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	0%
3	96	-1%	1%
4	96	-3%	-1%
5	97	-2%	2%
6	97	0%	2%
7	97	-1%	1%
8	98	1%	1%
9	97	0%	2%
10	95	0%	3%
11	94	2%	4%
12	93	3%	-1%
13	93	1%	-5%
14	92	2%	-6%
15	95	-2%	-1%
16	91	-1%	-7%

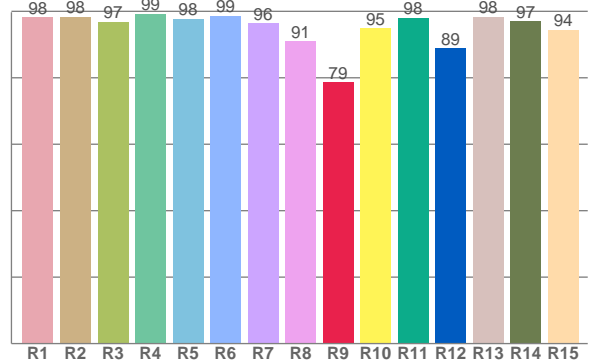




TM-30: 95,2



CRI: 97,1 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
98,1	98,4	96,8	99,3	97,8	98,7	96,4	91,0	78,6	94,8	98,1	88,9	98,4	97,1	94,4

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
95,0	96,9	96,4	95,8	96,5	96,7	97,4	98,2	97,0	94,8	94,3	92,8	93,5	92,4	94,6	91,0

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
2656 K	97,1	78,6	95,2	99,2	93,9	0,466	0,416	0,264	0,354	0,0015

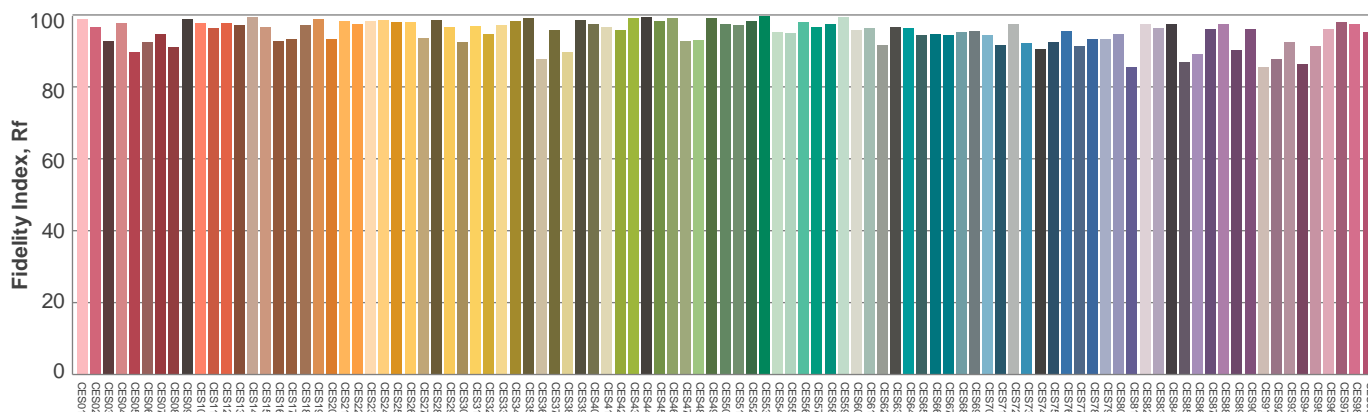
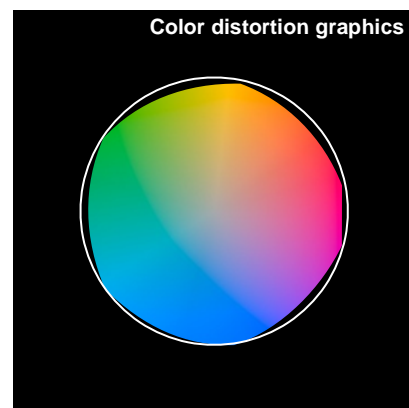
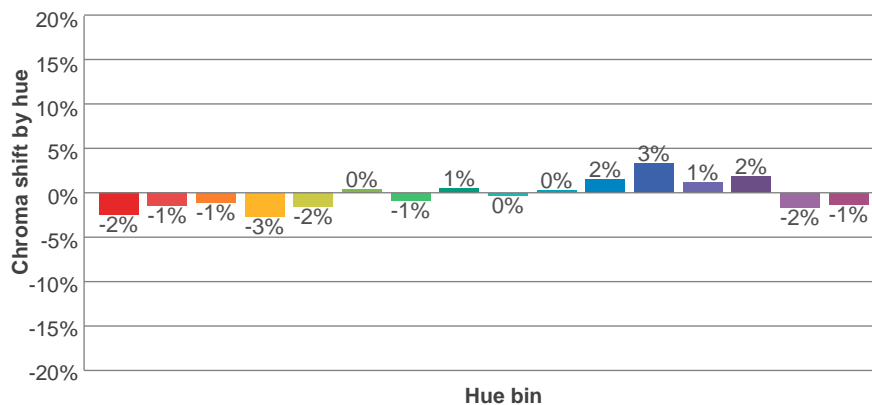
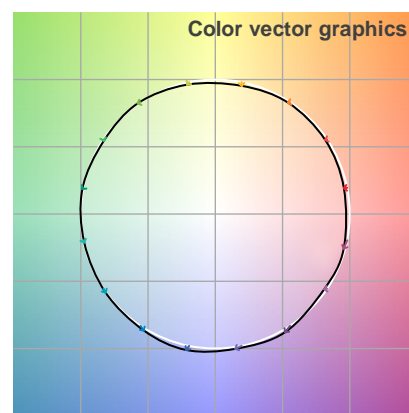
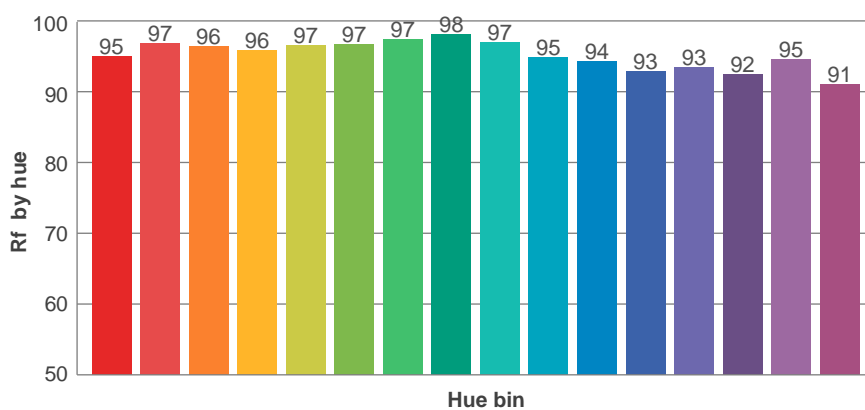
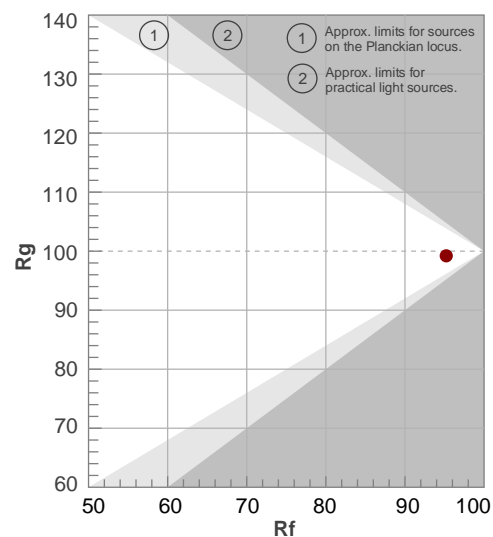
Rf 95,2

Fidelity index Rf

Rg 99,2

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	95	-2%	0%
2	97	-1%	0%
3	96	-1%	1%
4	96	-3%	-1%
5	97	-2%	2%
6	97	0%	2%
7	97	-1%	1%
8	98	1%	1%
9	97	0%	2%
10	95	0%	3%
11	94	2%	4%
12	93	3%	-1%
13	93	1%	-5%
14	92	2%	-6%
15	95	-2%	-1%
16	91	-1%	-7%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

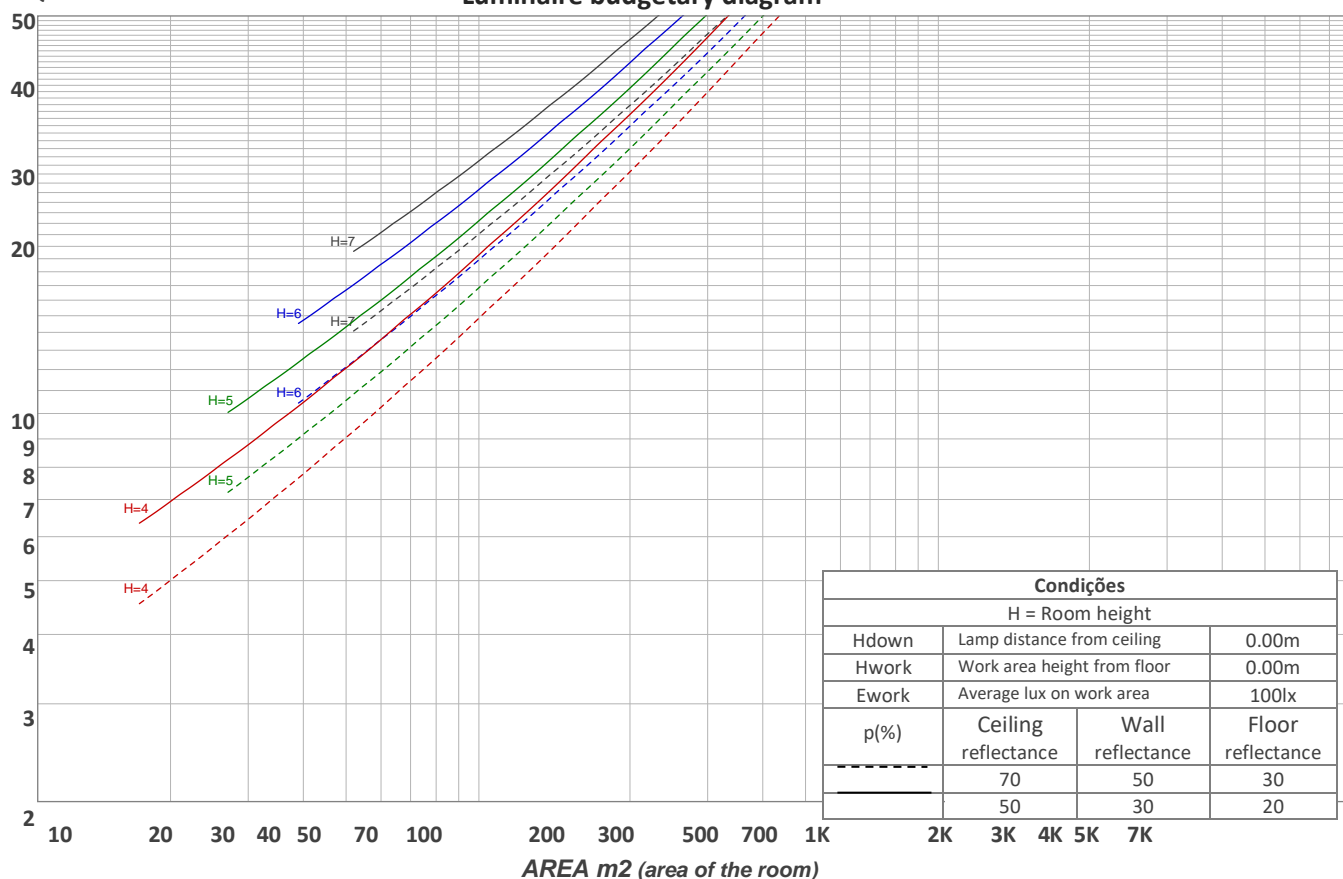
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	17,8	19,0	18,4	19,5	20,1	20,5	21,6	21,0	22,2	22,8
	3H	19,0	20,1	19,6	20,7	21,2	22,8	23,9	23,4	24,5	25,1
	4H	19,4	20,5	20,0	21,0	21,7	24,0	25,1	24,7	25,7	26,3
	6H	19,7	20,6	20,3	21,2	21,9	25,4	26,3	26,0	26,9	27,6
	8H	19,7	20,7	20,3	21,3	22,0	26,1	27,0	26,7	27,6	28,3
	12H	19,7	20,7	20,3	21,3	22,0	26,9	27,8	27,5	28,4	29,1
4H	2H	18,9	19,9	19,5	20,5	21,1	20,9	21,9	21,5	22,5	23,1
	3H	20,3	21,3	20,9	21,9	22,6	23,5	24,4	24,1	25,0	25,7
	4H	20,8	21,9	21,5	22,3	23,2	24,8	25,8	25,4	26,3	27,1
	6H	21,2	22,0	21,9	22,6	23,3	26,2	27,1	27,0	27,7	28,4
	8H	21,3	22,0	22,0	22,6	23,3	27,0	27,7	27,8	28,4	29,1
	12H	21,3	21,9	22,0	22,6	23,4	27,9	28,5	28,6	29,2	30,0
8H	4H	21,6	22,3	22,3	22,9	23,6	24,9	25,6	25,6	26,3	27,0
	6H	22,2	22,7	22,9	23,5	24,3	26,6	27,1	27,3	27,9	28,7
	8H	22,4	22,9	23,1	23,6	24,5	27,5	28,0	28,3	28,8	29,7
	12H	22,5	22,9	23,3	23,7	24,5	28,6	29,0	29,4	29,8	30,7
12H	4H	21,8	22,4	22,5	23,1	23,8	24,9	25,5	25,6	26,2	27,0
	6H	22,5	23,0	23,2	23,8	24,7	26,6	27,1	27,4	27,9	28,8
	8H	22,8	23,2	23,6	24,0	24,8	27,6	28,0	28,4	28,8	29,7
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,2 / -0,3					0,2 / -0,2				
S = 2.0H		0,4 / -0,7					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1116 lm total luminous flux											

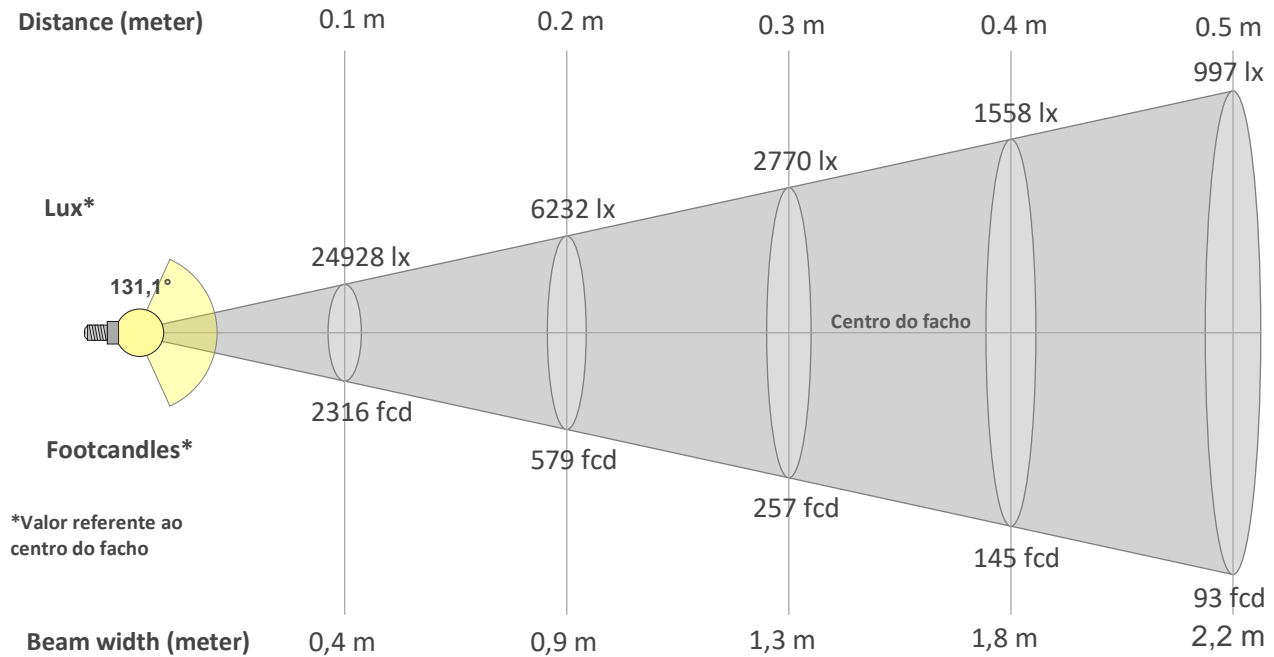
Coeficiente de utilização

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	115	115	115	115	110	110	110	110	101	101	101	92	92	92	85	85	85	81
1	102	97	92	87	98	93	88	84	85	81	78	78	75	72	71	69	67	63
2	92	83	76	69	88	80	73	67	73	67	63	67	62	58	61	58	54	51
3	83	72	63	57	79	69	61	55	63	57	51	58	53	48	53	49	45	42
4	76	63	54	47	72	61	52	46	56	49	43	51	45	41	47	42	38	35
5	70	56	47	40	66	54	45	39	50	43	37	46	40	35	42	37	33	30
6	64	50	41	35	61	48	40	34	45	37	32	41	35	30	38	33	29	26
7	59	46	37	30	56	44	35	30	41	33	28	37	31	27	35	29	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	32	26	22	20
9	51	38	29	24	49	36	29	23	34	27	22	31	25	21	29	24	20	18
10	48	35	27	21	46	34	26	21	31	25	20	29	23	19	27	22	18	16

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
249lx	62lx	28lx	16lx	10lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
23,2fcd	5,8fcd	2,6fcd	1,4fcd	0,9fcd	0,6fcd	0,5fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd

Intensities in 0° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	244	234	216	192	165	130	94	58	24	4	4	3	3	3	3	3	2	2	2
100%	98%	94%	87%	77%	66%	52%	38%	23%	10%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%

Intensities in 90° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	249	248	241	228	209	186	159	129	99	78	73	68	62	54	45	35	26	16	3
100%	100%	99%	97%	91%	84%	75%	64%	52%	40%	31%	29%	27%	25%	22%	18%	14%	10%	6%	1%

Intensities in 180° c-plane

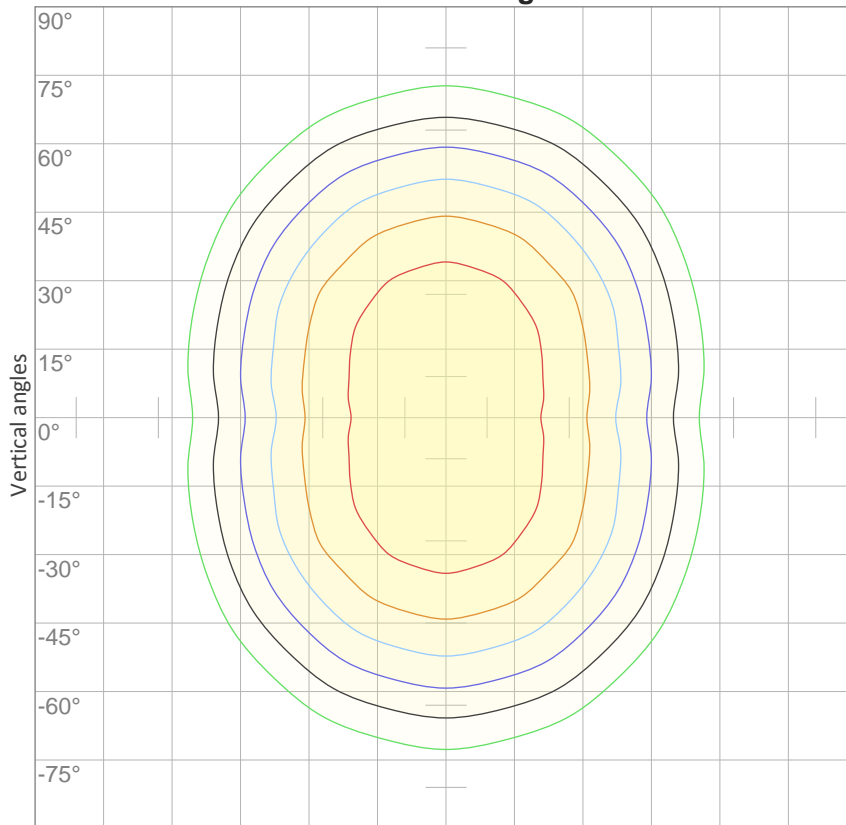
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	244	234	216	192	165	130	94	58	24	4	4	3	3	3	3	3	2	2	2
100%	98%	94%	87%	77%	66%	52%	38%	23%	10%	2%	2%	1%	1%	1%	1%	1%	1%	1%	1%

Intensities in 270° c-plane

0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
249	249	248	241	228	209	186	159	129	99	78	73	68	62	54	45	35	26	16	3
100%	100%	99%	97%	91%	84%	75%	64%	52%	40%	31%	29%	27%	25%	22%	18%	14%	10%	6%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
131,1°	255,7°	306,1°	56,0%	36,6%

iso-candela diagram



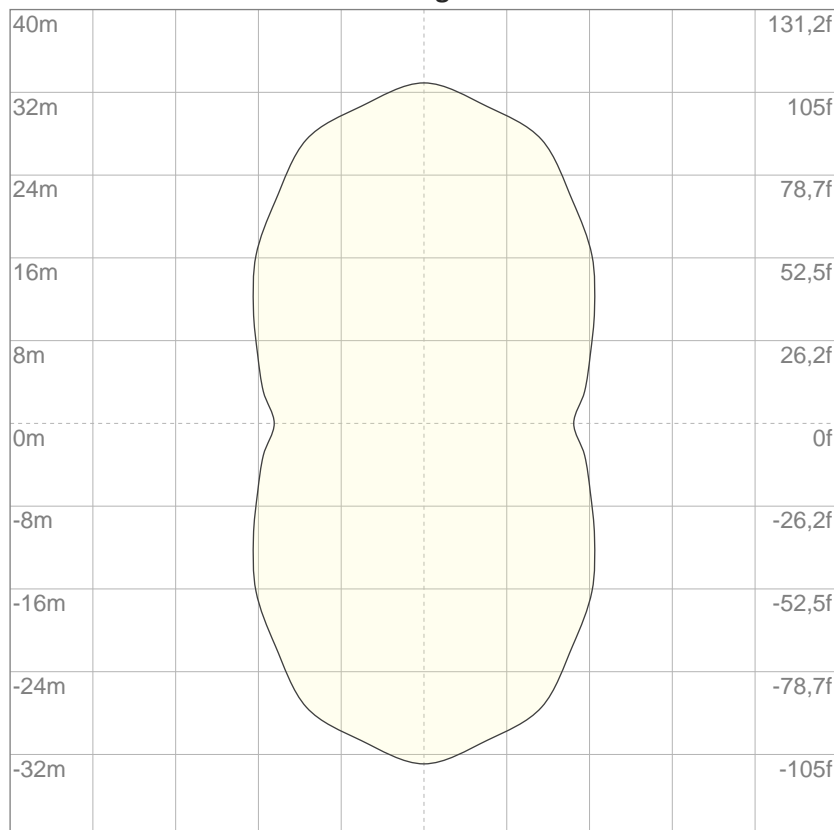
10%	25 cd
20%	50 cd
30%	75 cd
40%	100 cd
50%	125 cd
60%	150 cd
70%	174 cd
80%	199 cd
90%	224 cd

Conditions:

Number of c-planes: 16

Candela at center: 249 cd

iso-lux diagram



3%	74,8m lx
5%	0,125 lx
10%	0,249 lx
30%	0,748 lx
50%	1,25 lx

Conditions:

Number of c-planes: 16

Lux at center: 2,49 lx

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

[illegible]

FP: 1,0

THD tensão: n/a