

FITA SLED8104 7WM 4000K 90 IP33 - 1m



Fluxo luminoso – 670 lm/m

Potência – 7,2 W/m

Intensidade pico – 150cd

CCT – 4155K

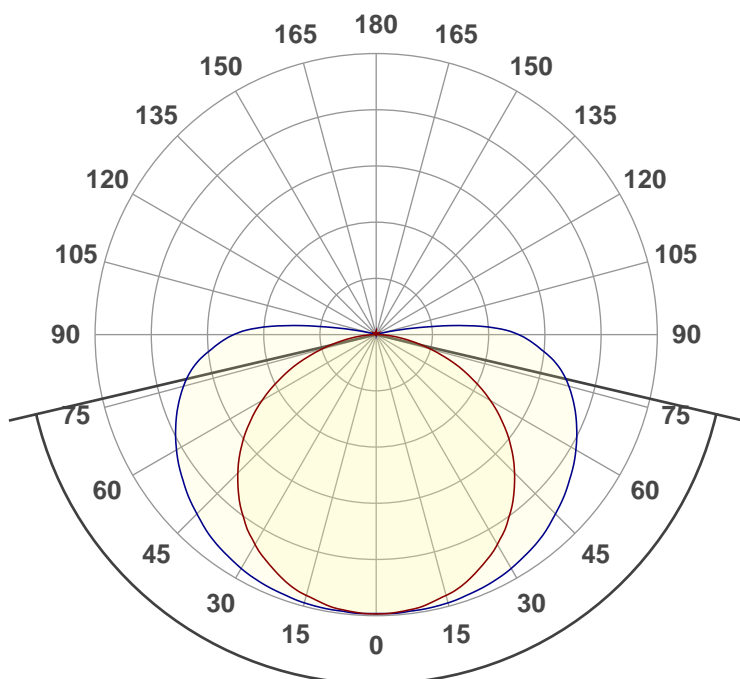


IRC – 91,9

Coordenada CIE 1931 – x- 0,374 y- 0,370

Data do ensaio

20/05/2024 09:41:23



Facho de abertura

153,6°

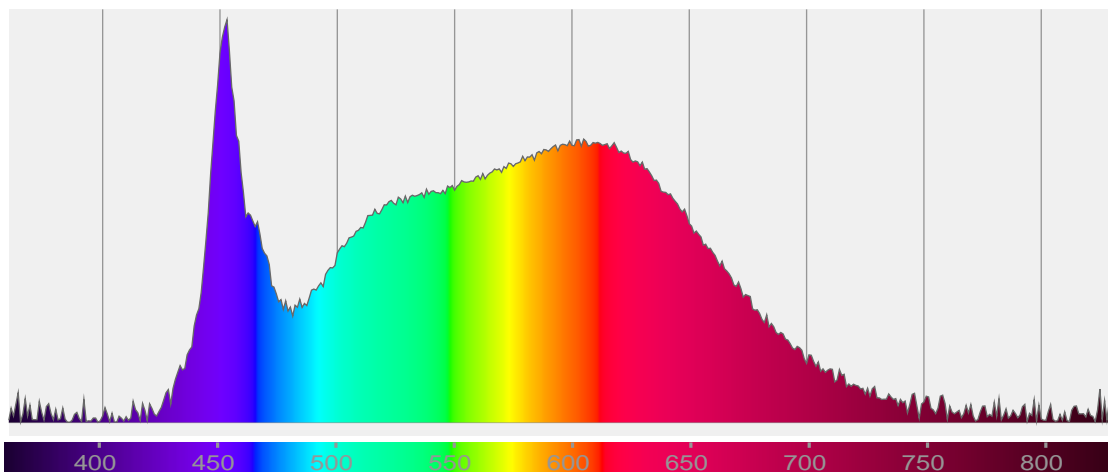
Rf 89,4

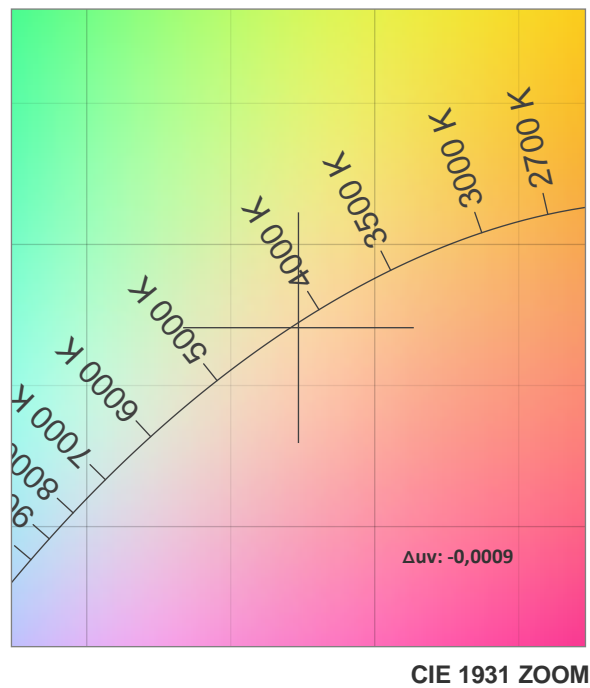
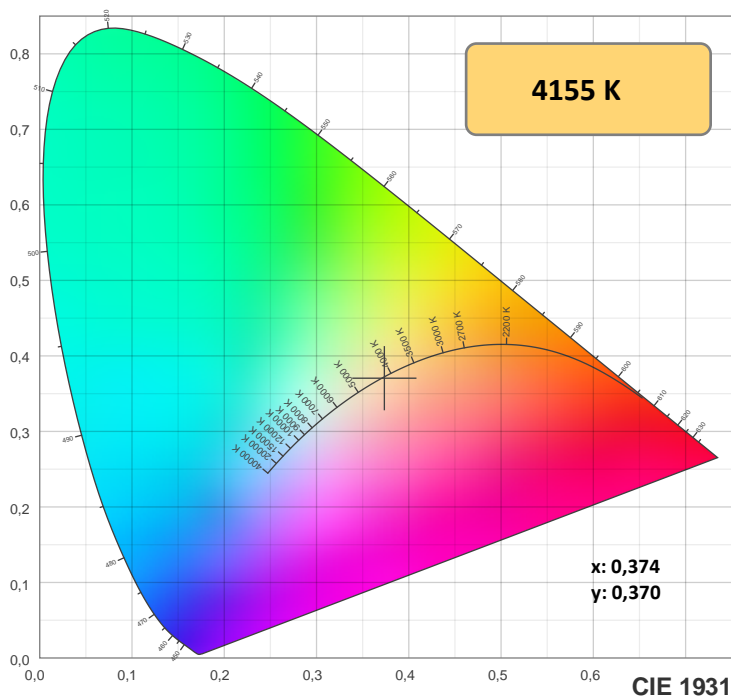
Fidelity index Rf

Rg 97,9

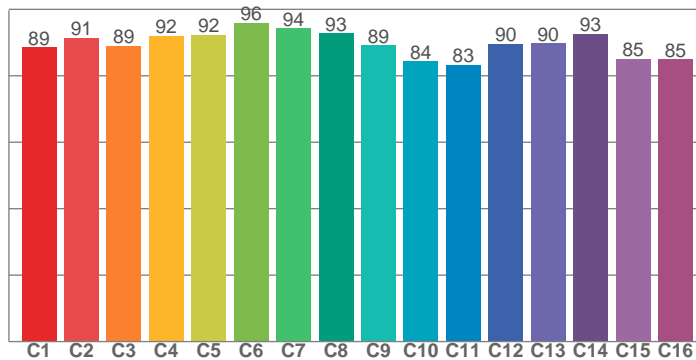
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-6%	0%
2	91	-3%	3%
3	89	-2%	5%
4	92	-2%	2%
5	92	-3%	1%
6	96	0%	0%
7	94	-3%	0%
8	93	-3%	2%
9	89	-3%	7%
10	84	-3%	9%
11	83	4%	11%
12	90	5%	3%
13	90	6%	-6%
14	93	2%	-3%
15	85	0%	-10%
16	85	-2%	-9%

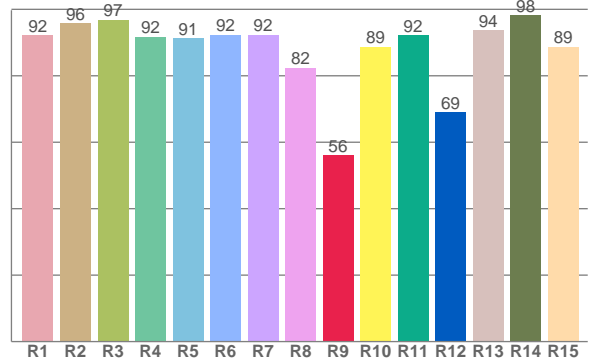




TM-30: 89,4



CRI: 91,9 (R1-R8)



CRiRa R1-R8 / CRiRe R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
92,3	95,8	96,9	91,7	91,3	92,4	92,4	82,5	56,1	88,7	92,2	69,1	93,7	98,3	88,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,6	91,4	88,9	92,1	92,3	96,0	94,2	92,7	89,1	84,3	83,2	89,6	89,7	92,5	85,1	84,9

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
4155 K	91,9	56,1	89,4	97,9	90,1	0,374	0,370	0,223	0,332	-0,0009

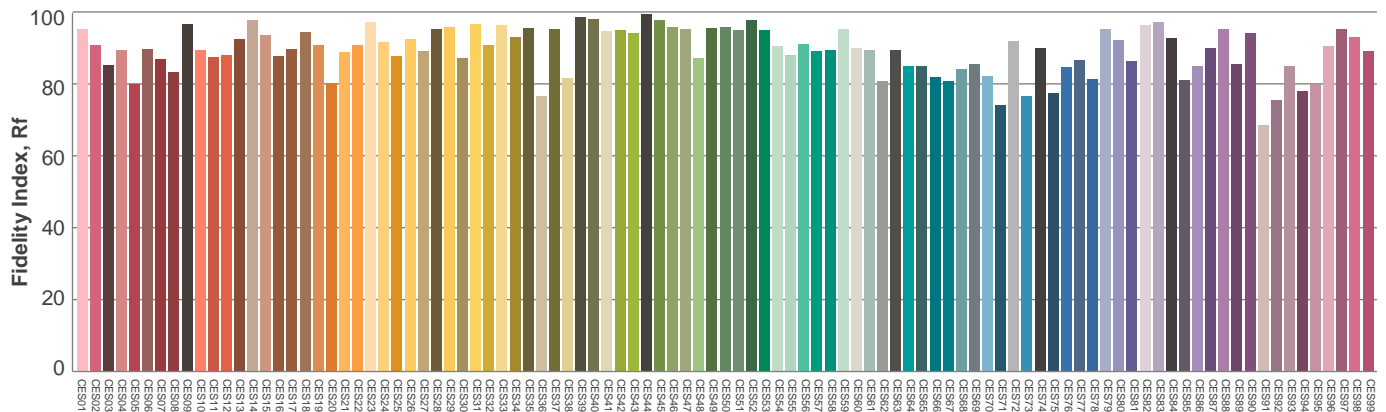
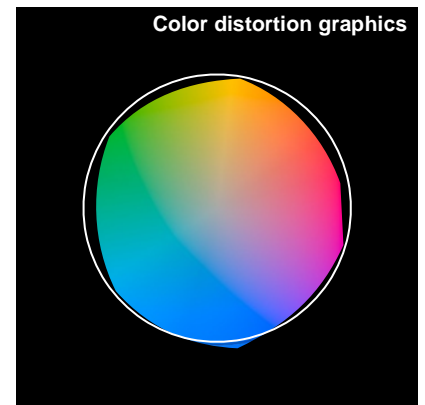
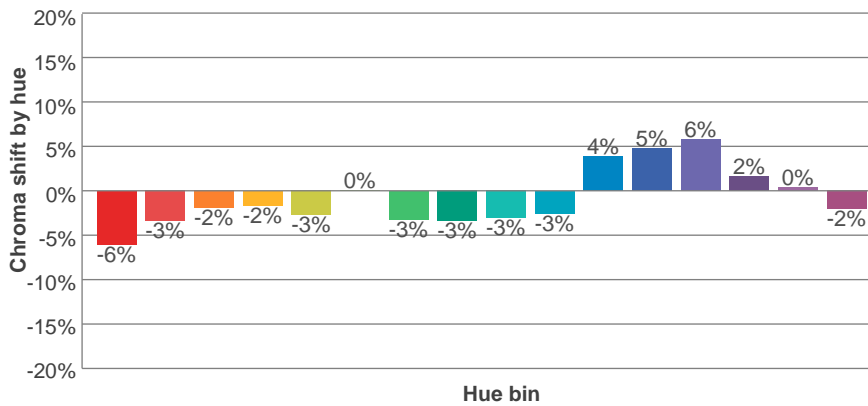
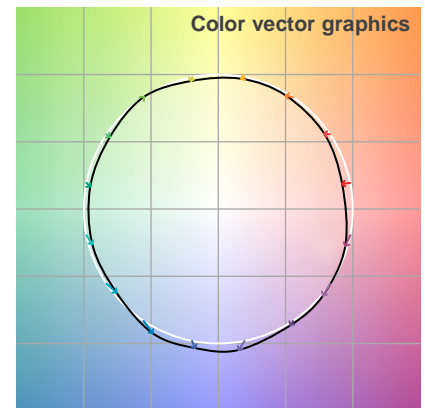
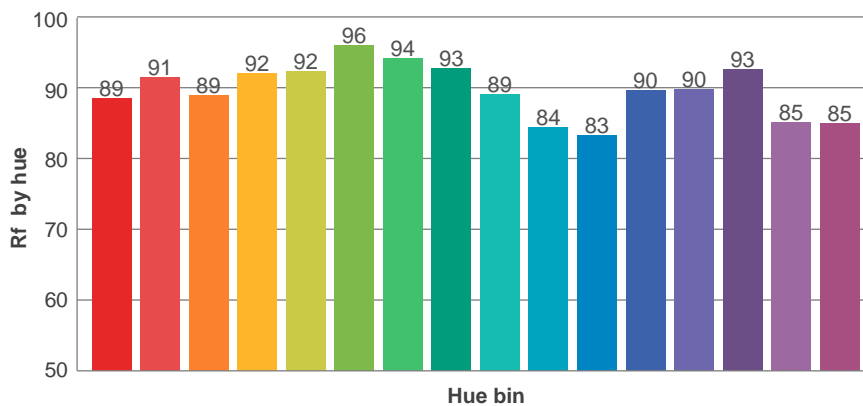
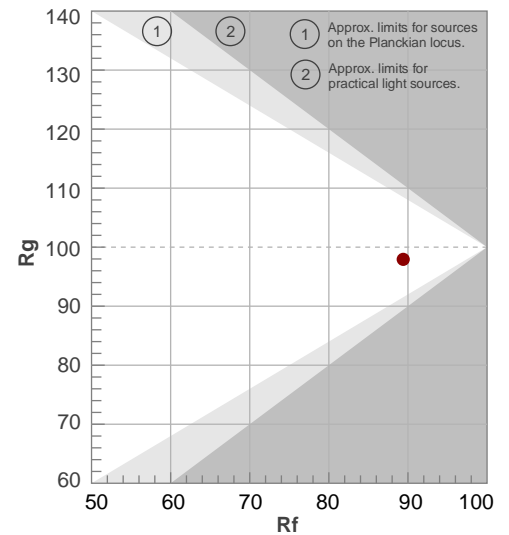
Rf 89,4

Fidelity index Rf

Rg 97,9

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	89	-6%	0%
2	91	-3%	3%
3	89	-2%	5%
4	92	-2%	2%
5	92	-3%	1%
6	96	0%	0%
7	94	-3%	0%
8	93	-3%	2%
9	89	-3%	7%
10	84	-3%	9%
11	83	4%	11%
12	90	5%	3%
13	90	6%	-6%
14	93	2%	-3%
15	85	0%	-10%
16	85	-2%	-9%



Glare Evaluation According to UGR

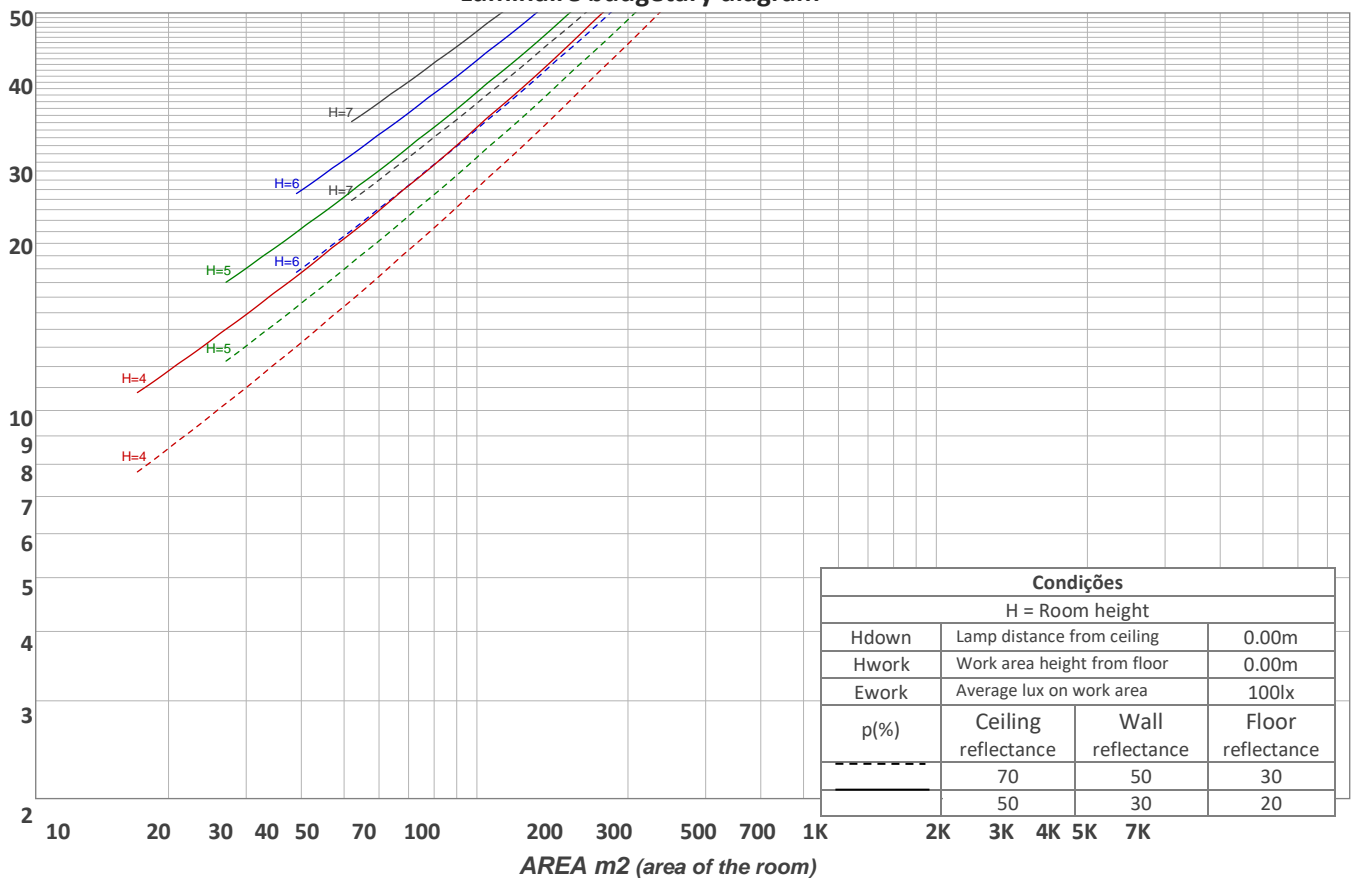
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	23,7	25,0	24,0	25,5	25,8	25,9	27,3	26,3	27,7	28,0
	3H	25,3	26,7	25,8	27,1	27,4	28,8	30,2	29,3	30,6	30,9
	4H	26,1	27,4	26,5	27,8	28,1	30,4	31,8	30,9	32,1	32,5
	6H	26,7	27,9	27,1	28,2	28,7	32,3	33,5	32,7	33,8	34,3
	8H	26,9	28,0	27,3	28,4	28,9	33,2	34,4	33,6	34,8	35,3
	12H	27,0	28,1	27,4	28,5	29,1	34,3	35,4	34,7	35,8	36,4
4H	2H	25,0	26,4	25,5	26,8	27,1	26,6	27,9	27,1	28,3	28,7
	3H	27,1	28,3	27,6	28,7	29,2	29,9	31,0	30,3	31,4	32,0
	4H	28,0	29,1	28,5	29,5	30,2	31,6	32,7	32,1	33,2	33,8
	6H	28,8	29,8	29,3	30,2	30,7	33,6	34,6	34,2	35,1	35,6
	8H	29,1	30,0	29,6	30,5	31,0	34,7	35,6	35,3	36,1	36,6
	12H	29,3	30,1	29,9	30,6	31,2	35,9	36,7	36,4	37,2	37,8
8H	4H	29,3	30,2	29,9	30,7	31,2	32,1	33,0	32,7	33,5	34,0
	6H	30,5	31,3	31,1	31,8	32,5	34,4	35,1	35,0	35,7	36,4
	8H	31,1	31,7	31,7	32,3	33,1	35,7	36,4	36,3	37,0	37,7
	12H	31,5	32,1	32,2	32,7	33,4	37,2	37,7	37,8	38,3	39,0
12H	4H	29,7	30,5	30,3	31,0	31,6	32,1	32,9	32,7	33,5	34,0
	6H	31,2	31,9	31,8	32,5	33,2	34,6	35,2	35,2	35,9	36,6
	8H	31,9	32,5	32,6	33,1	33,8	36,0	36,6	36,6	37,1	37,8
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / 0,0					0,1 / -0,1				
S = 1.5H		0,1 / -0,1					0,1 / -0,1				
S = 2.0H		0,2 / -0,3					0,2 / -0,2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 670 lm total luminous flux											

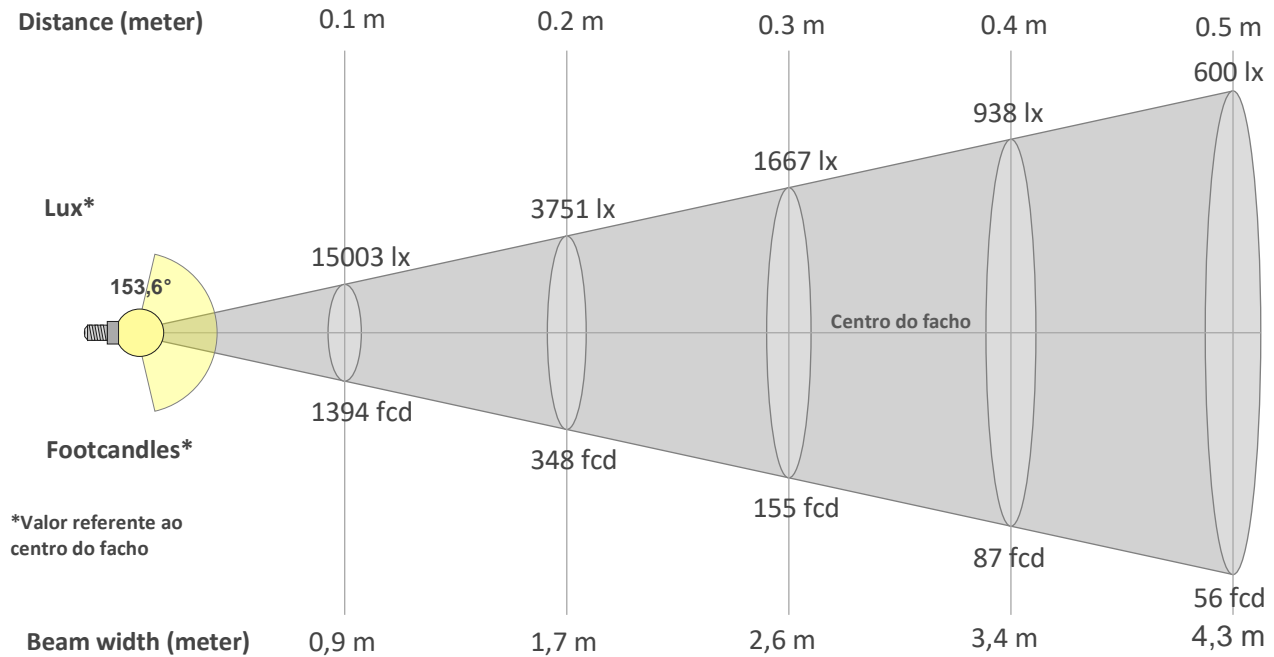
Coeficiente de utilização

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	95
1	103	97	91	86	100	94	88	84	88	84	80	83	80	76	79	76	73	70
2	92	82	74	66	89	80	72	65	75	68	63	71	65	60	67	62	58	55
3	83	71	61	53	80	69	60	52	65	57	51	61	55	49	58	52	48	45
4	76	62	52	44	73	60	51	43	57	49	42	54	47	41	51	45	40	37
5	69	55	45	37	66	53	44	37	50	42	36	48	41	35	45	39	34	31
6	64	49	39	32	61	48	38	32	45	37	31	43	36	30	41	34	29	27
7	59	44	35	28	57	43	34	28	41	33	27	39	32	26	37	31	26	24
8	55	40	31	25	53	39	30	24	37	29	24	36	29	23	34	28	23	21
9	51	37	28	22	49	36	27	22	34	27	21	33	26	21	31	25	21	19
10	48	34	25	20	46	33	25	20	32	24	19	30	24	19	29	23	19	17

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
150lx	38lx	17lx	9lx	6lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx
13,9fcd	3,5fcd	1,5fcd	0,9fcd	0,6fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0,1fcd	0fcd	0fcd	0fcd	0fcd

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°
150	148	143	134	121	105	86	63	39	16	2	1	1	1	1	1	1	1	1	1
100%	99%	95%	89%	81%	70%	57%	42%	26%	11%	1%	1%	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°
150	150	149	146	142	136	129	121	111	98	76	26	2	1	1	1	1	1	1	1
100%	100%	99%	97%	95%	91%	86%	81%	74%	65%	51%	17%	1%	0%	0%	0%	1%	1%	1%	0%

Intensities in 180° c-plane

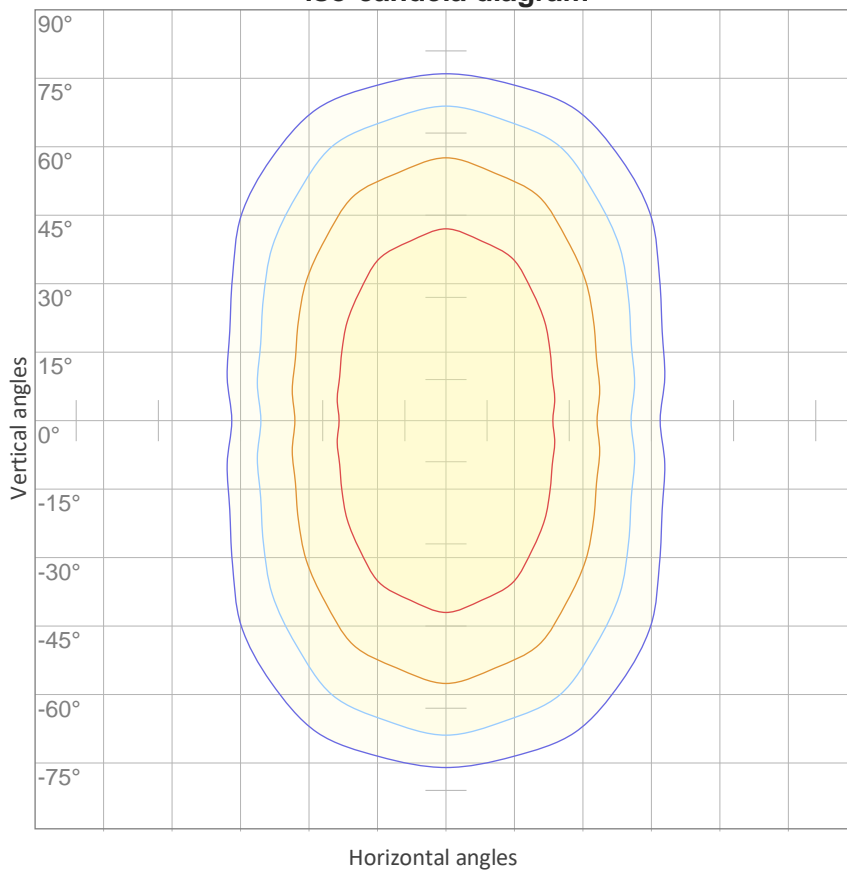
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
150	148	143	134	121	105	86	63	39	16	2	1	1	1	1	1	1	1	1	1
100%	99%	95%	89%	81%	70%	57%	42%	26%	11%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%

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°
150	150	149	146	142	136	129	121	111	98	76	26	2	1	1	1	1	1	1	1
100%	100%	99%	97%	95%	91%	86%	81%	74%	65%	51%	17%	1%	0%	0%	0%	1%	1%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
153,6°	190,9°	199,6°	59,2%	37,5%

iso-candela diagram



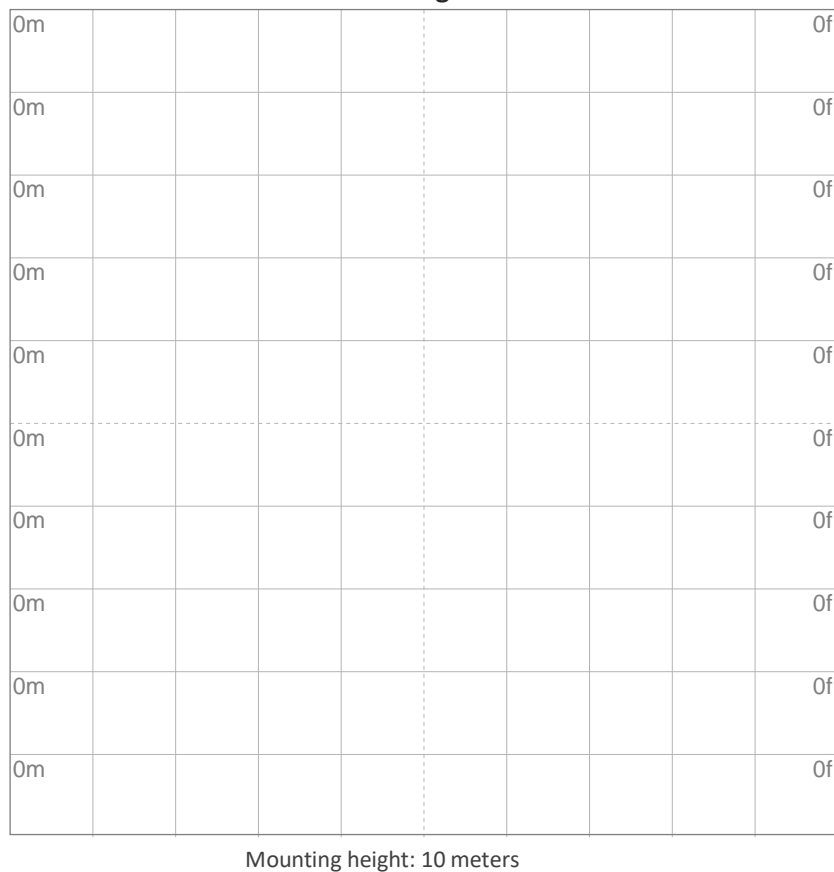
10%	15 cd
20%	30 cd
30%	45 cd
40%	60 cd
50%	75 cd
60%	90 cd
70%	105 cd
80%	120 cd
90%	135 cd

Conditions:

Number of c-planes: 16

Candela at center: 150 cd

iso-lux diagram



3%	45,0m lx
5%	75,0m lx
10%	0,150 lx
30%	0,450 lx
50%	0,750 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,50 lx

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

Potência

Vttagem: 12,0 V

Corrente: 0,600 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a