

FITA SLED8103 7WM 3000K 90 IP33 - 1m



Fluxo luminoso – 603 lm/m

Potência – 7,2 W/m

Intensidade pico – 147cd

CCT – 2988K

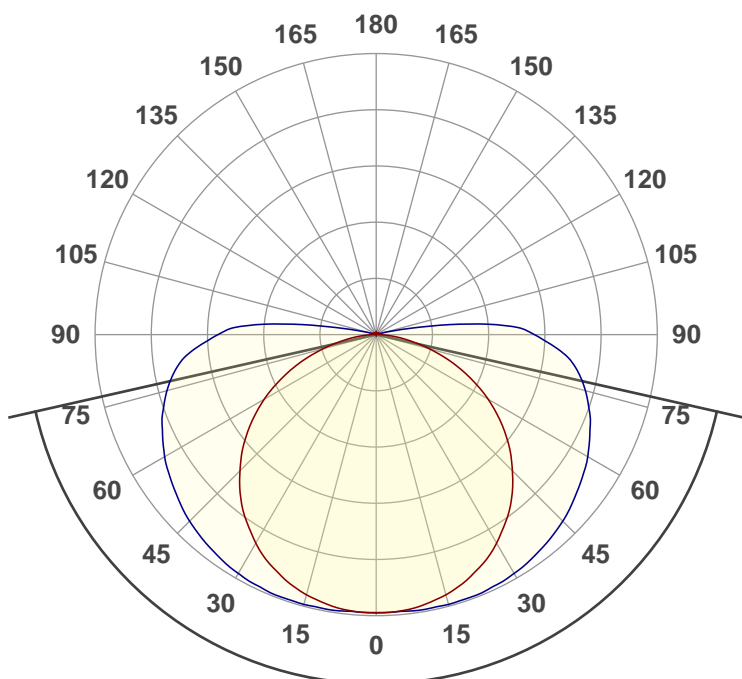


IRC – 90,5

Coordenada CIE 1931 – x- 0,436 y- 0,400

Data do ensaio

20/05/2024 11:32:37



Facho de abertura

154,6°

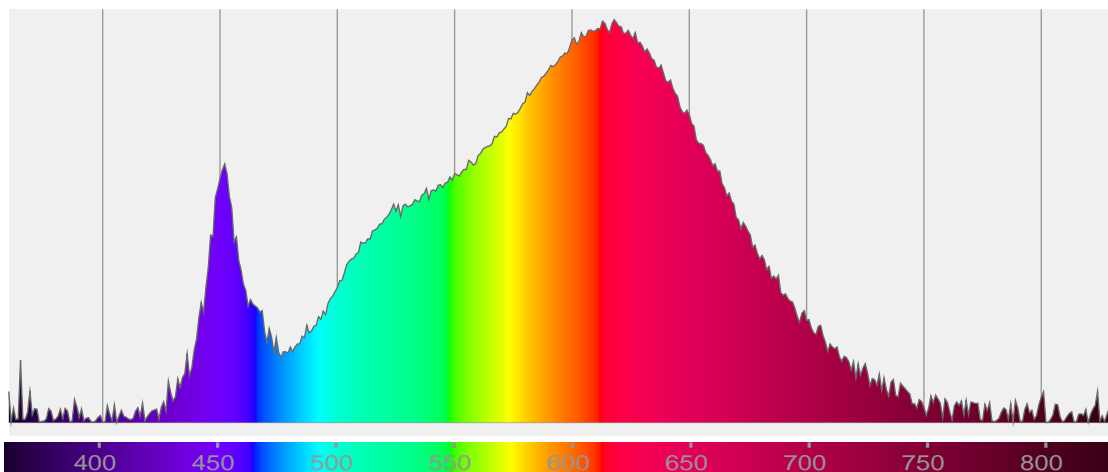
Rf 89,6

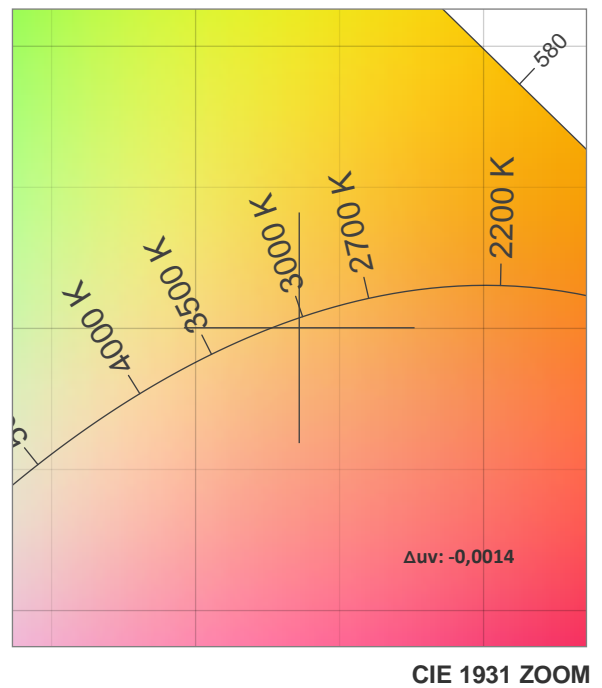
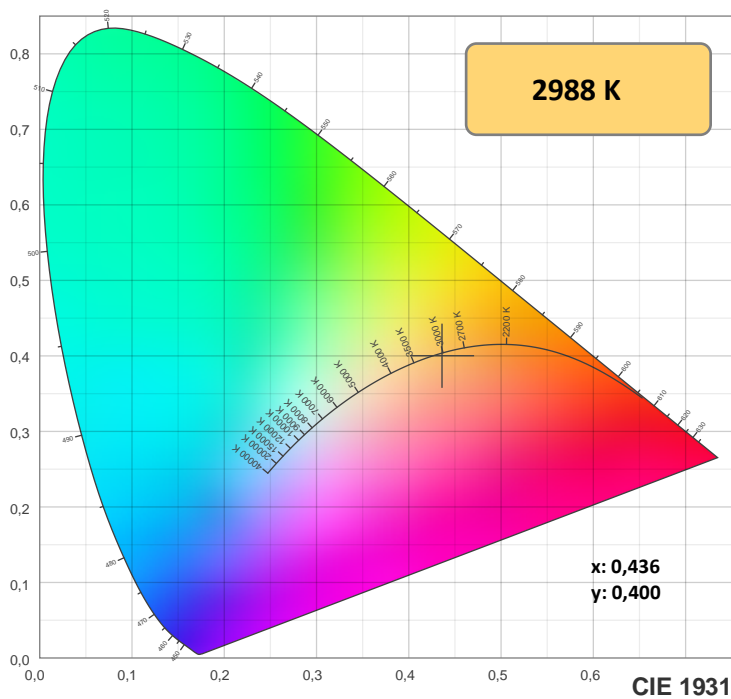
Fidelity index Rf

Rg 99,9

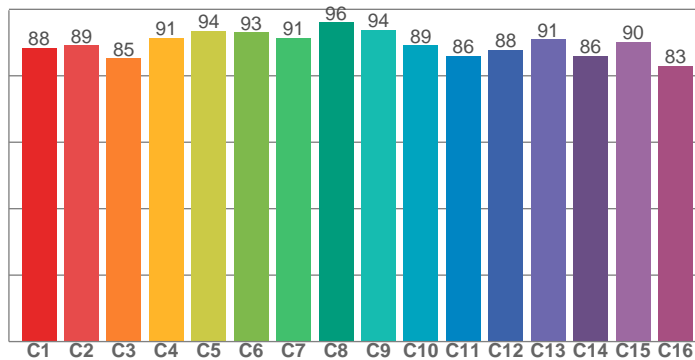
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	88	-6%	-1%
2	89	-5%	4%
3	85	-1%	8%
4	91	0%	4%
5	94	3%	4%
6	93	4%	-1%
7	91	-1%	-5%
8	96	0%	-2%
9	94	-3%	1%
10	89	-3%	6%
11	86	0%	10%
12	88	6%	3%
13	91	5%	-4%
14	86	6%	-10%
15	90	-1%	-6%
16	83	-3%	-13%

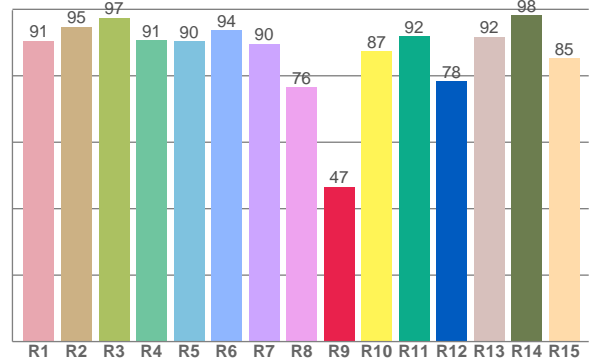




TM-30: 89,6



CRI: 90,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90,5	94,8	97,5	90,8	90,4	93,6	89,6	76,5	46,6	87,3	91,9	78,4	91,7	98,3	85,3

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
88,5	89,2	85,3	91,4	93,6	93,0	91,5	96,1	93,9	89,2	86,0	87,8	91,0	86,0	90,2	83,0

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
2988 K	90,5	46,6	89,6	99,9	88,2	0,436	0,400	0,252	0,346	-0,0014

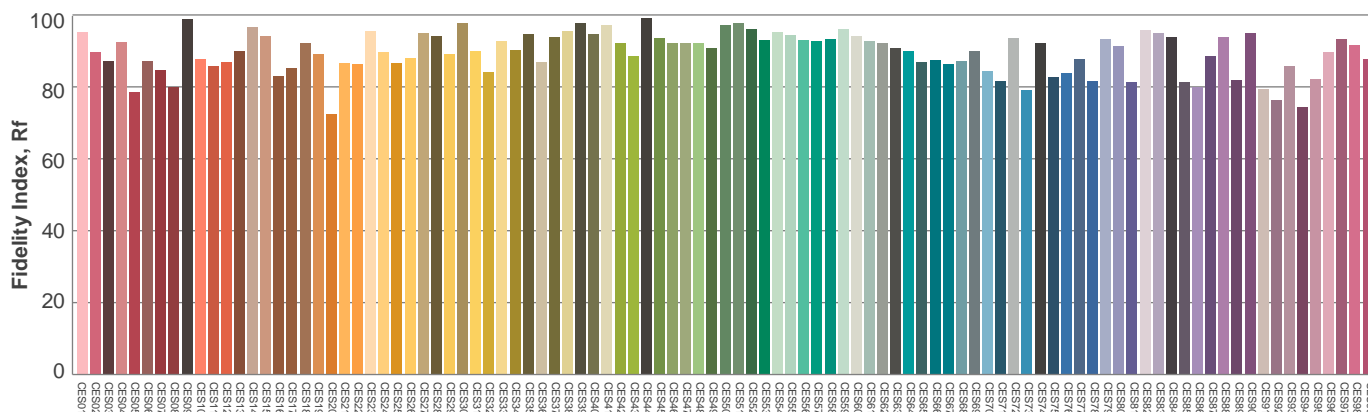
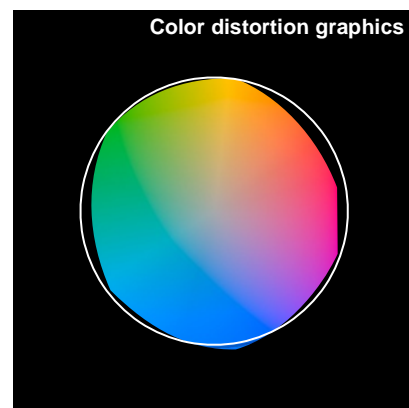
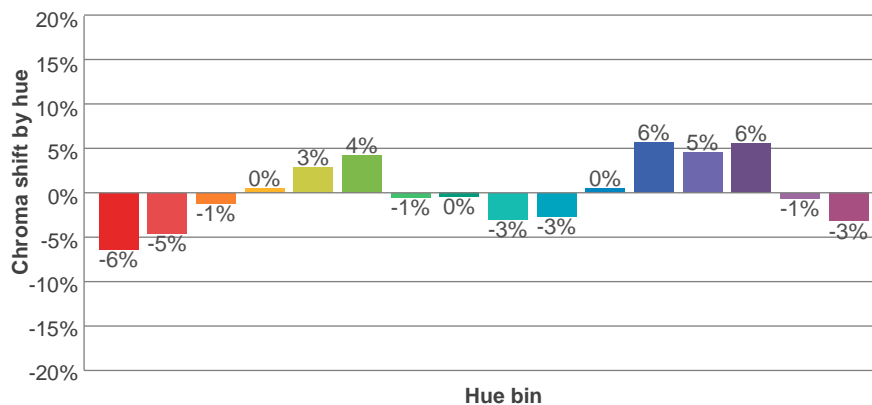
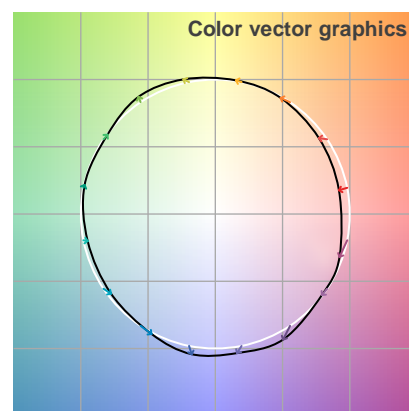
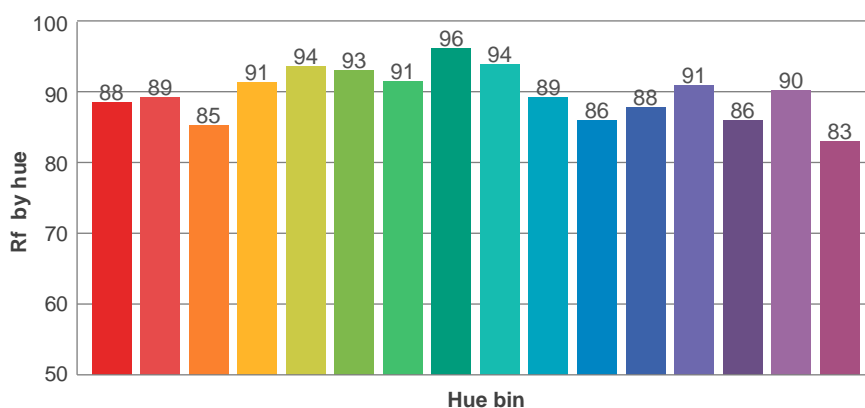
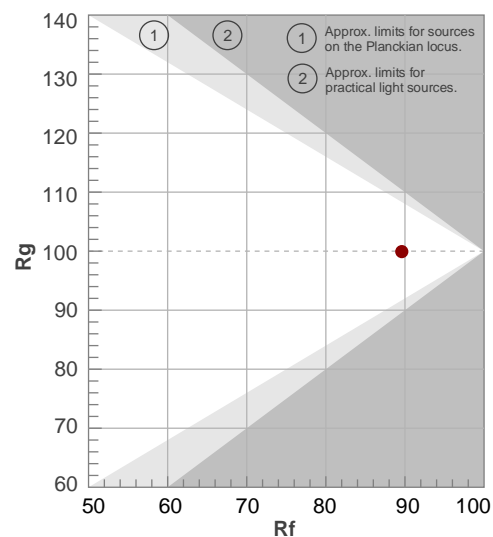
Rf 89,6

Fidelity index Rf

Rg 99,9

Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	88	-6%	-1%
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9	94	-3%	1%
10	89	-3%	6%
11	86	0%	10%
12	88	6%	3%
13	91	5%	-4%
14	86	6%	-10%
15	90	-1%	-6%
16	83	-3%	-13%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

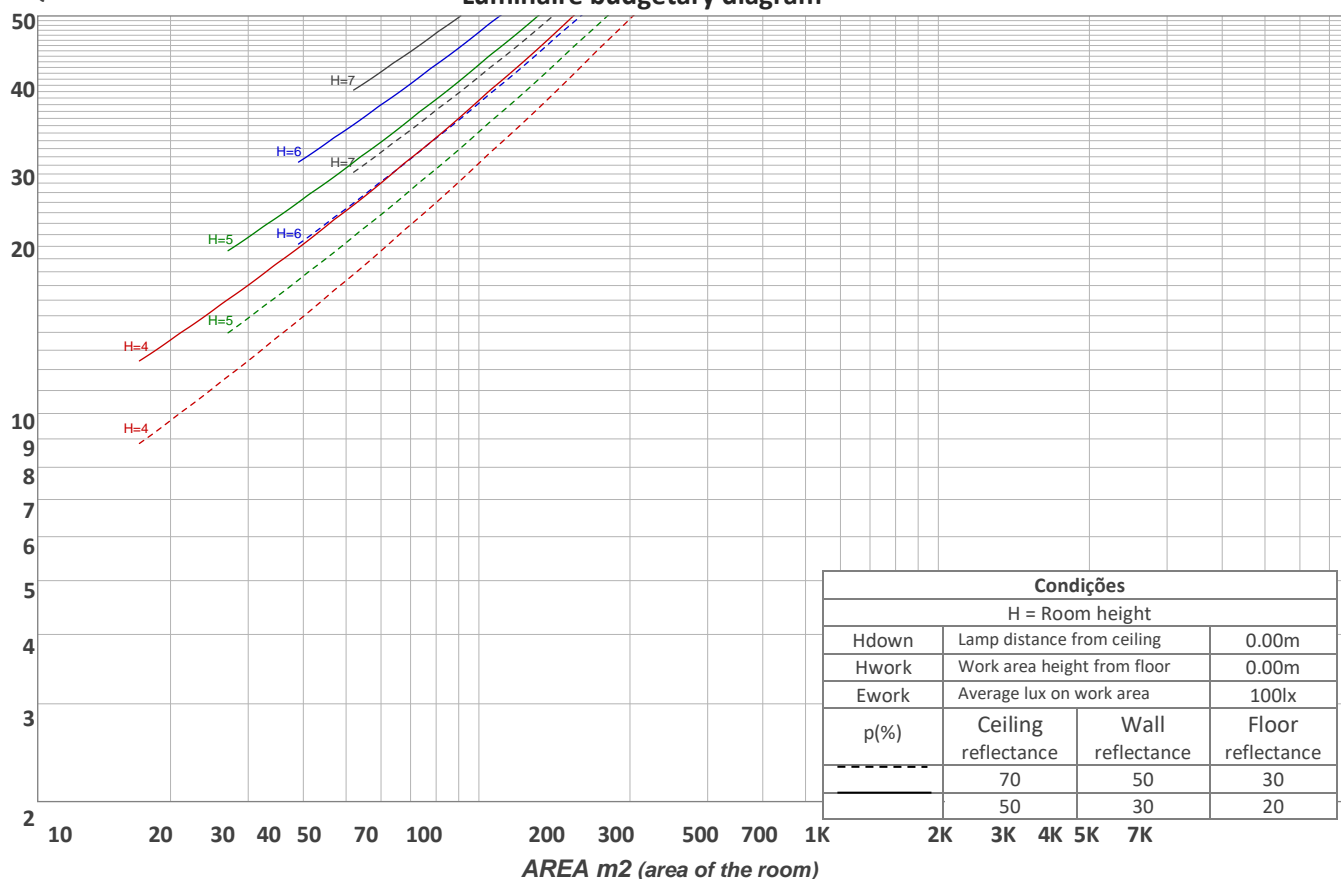
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	23,1	24,4	23,5	24,9	25,2	25,7	27,1	26,1	27,5	27,9
	3H	24,8	26,2	25,3	26,6	27,0	28,8	30,2	29,3	30,6	30,9
	4H	25,6	26,9	26,1	27,3	27,7	30,5	31,8	31,0	32,2	32,6
	6H	26,3	27,4	26,7	27,8	28,3	32,4	33,6	32,8	34,0	34,5
	8H	26,5	27,6	26,9	28,0	28,6	33,4	34,6	33,8	35,0	35,5
	12H	26,6	27,7	27,1	28,2	28,7	34,5	35,7	35,0	36,1	36,6
4H	2H	24,2	25,5	24,7	25,9	26,3	26,2	27,5	26,7	27,9	28,3
	3H	26,4	27,5	26,8	27,9	28,5	29,7	30,8	30,1	31,2	31,8
	4H	27,3	28,5	27,9	28,9	29,6	31,5	32,7	32,1	33,1	33,8
	6H	28,2	29,2	28,8	29,7	30,2	33,7	34,7	34,3	35,2	35,7
	8H	28,6	29,5	29,2	30,0	30,5	34,8	35,7	35,4	36,2	36,8
	12H	28,9	29,7	29,4	30,2	30,8	36,1	36,9	36,7	37,4	38,0
8H	4H	28,4	29,3	29,0	29,8	30,3	31,8	32,7	32,4	33,2	33,8
	6H	29,7	30,4	30,3	31,0	31,7	34,3	35,0	34,9	35,6	36,3
	8H	30,4	31,0	31,0	31,7	32,4	35,7	36,4	36,3	37,0	37,8
	12H	31,0	31,5	31,6	32,1	32,8	37,3	37,9	38,0	38,5	39,2
12H	4H	28,9	29,6	29,4	30,2	30,8	31,9	32,6	32,4	33,2	33,8
	6H	30,3	30,9	30,9	31,6	32,3	34,4	35,1	35,0	35,7	36,4
	8H	31,1	31,6	31,7	32,2	33,0	35,9	36,5	36,6	37,1	37,8
Variation of the observer position for the luminaire distance S											
S = 1.0H		0,1 / -0,1					0,1 / -0,1				
S = 1.5H		0,1 / -0,1					0,1 / -0,1				
S = 2.0H		0,2 / -0,4					0,2 / -0,2				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 603 lm total luminous flux											

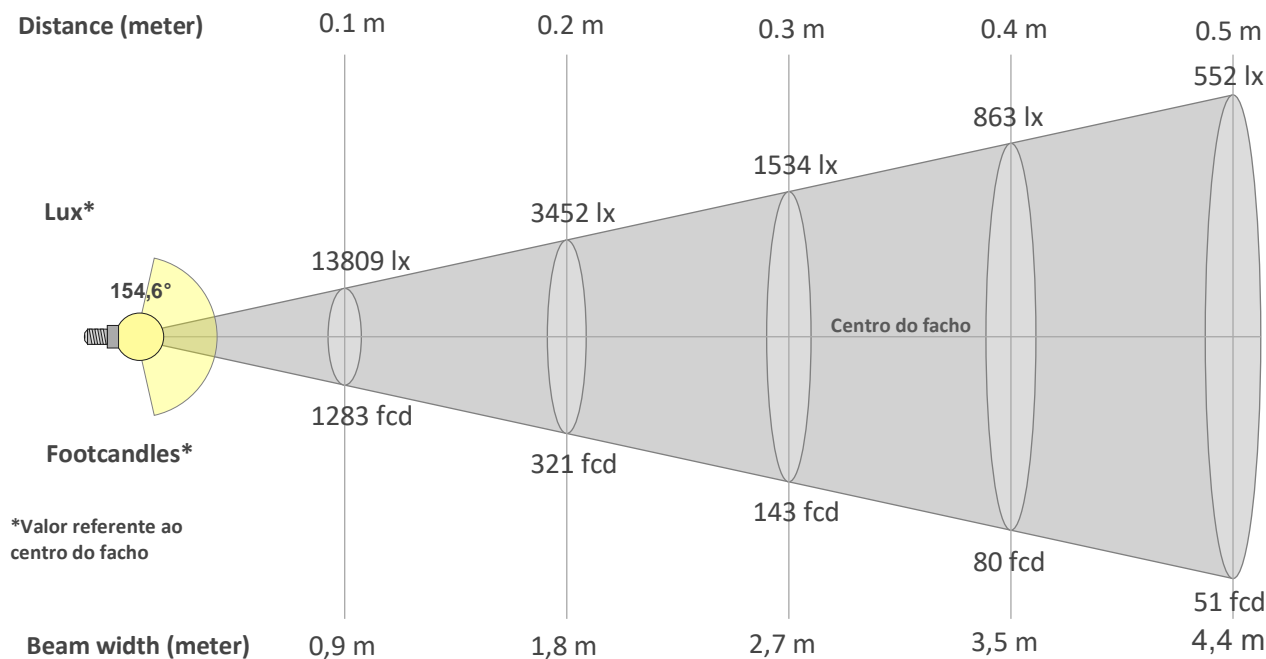
Coeficiente de utilização

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	95	95	95	92
1	102	96	90	84	99	93	87	82	87	82	78	81	78	74	76	73	71	68
2	92	81	73	66	88	79	71	64	74	67	61	69	64	59	65	60	56	53
3	83	70	61	53	79	68	59	52	64	56	50	60	53	48	56	51	46	43
4	75	61	51	44	72	59	50	43	56	48	41	52	46	40	49	43	39	36
5	69	54	44	37	66	53	43	36	49	41	35	47	39	34	44	38	33	30
6	63	48	39	32	60	47	38	31	44	36	30	42	35	29	39	33	28	26
7	58	44	34	27	56	42	33	27	40	32	26	38	31	25	36	29	25	22
8	54	39	30	24	52	38	30	24	36	29	23	34	28	22	33	26	22	20
9	50	36	27	21	48	35	27	21	33	26	21	32	25	20	30	24	19	17
10	47	33	25	19	45	32	24	19	31	23	18	29	23	18	28	22	17	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
138lx	35lx	15lx	9lx	6lx	4lx	3lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	0lx	0lx	0lx	0lx
12,8fcd	3,2fcd	1,4fcd	0,8fcd	0,5fcd	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°
138	133	129	120	109	93	76	56	34	14	2	1	1	1	1	1	1	1	1	1
100%	97%	93%	87%	79%	68%	55%	40%	25%	10%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%

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°
138	135	135	135	132	128	122	116	108	97	77	27	1	1	1	1	1	1	1	1
100%	98%	98%	97%	95%	93%	89%	84%	78%	71%	56%	20%	1%	0%	0%	0%	0%	0%	0%	0%

Intensities in 180° c-plane

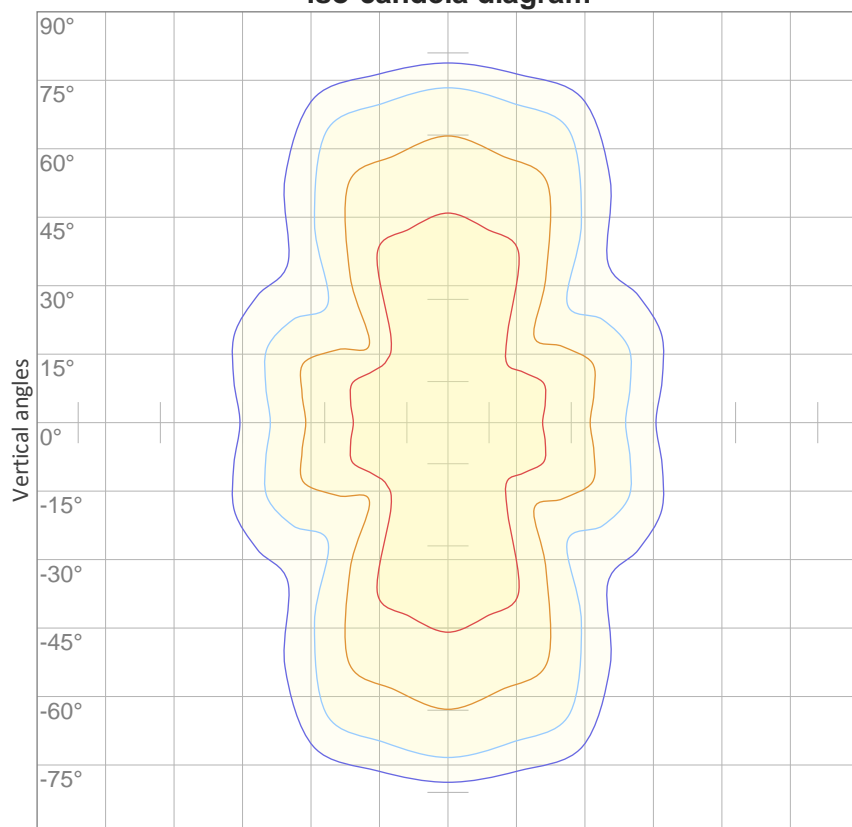
0°	9°	18°	27°	36°	45°	54°	63°	72°	81°	90°	99°	108°	117°	126°	135°	144°	153°	162°	171°
138	133	129	120	109	93	76	56	34	14	2	1	1	1	1	1	1	1	1	1
100%	97%	93%	87%	79%	68%	55%	40%	25%	10%	1%	1%	1%	1%	1%	1%	1%	1%	0%	0%

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°
138	135	135	135	132	128	122	116	108	97	77	27	1	1	1	1	1	1	1	1
100%	98%	98%	97%	95%	93%	89%	84%	78%	71%	56%	20%	1%	0%	0%	0%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
154,6°	189,6°	197,6°	58,0%	36,5%

iso-candela diagram



Horizontal angles

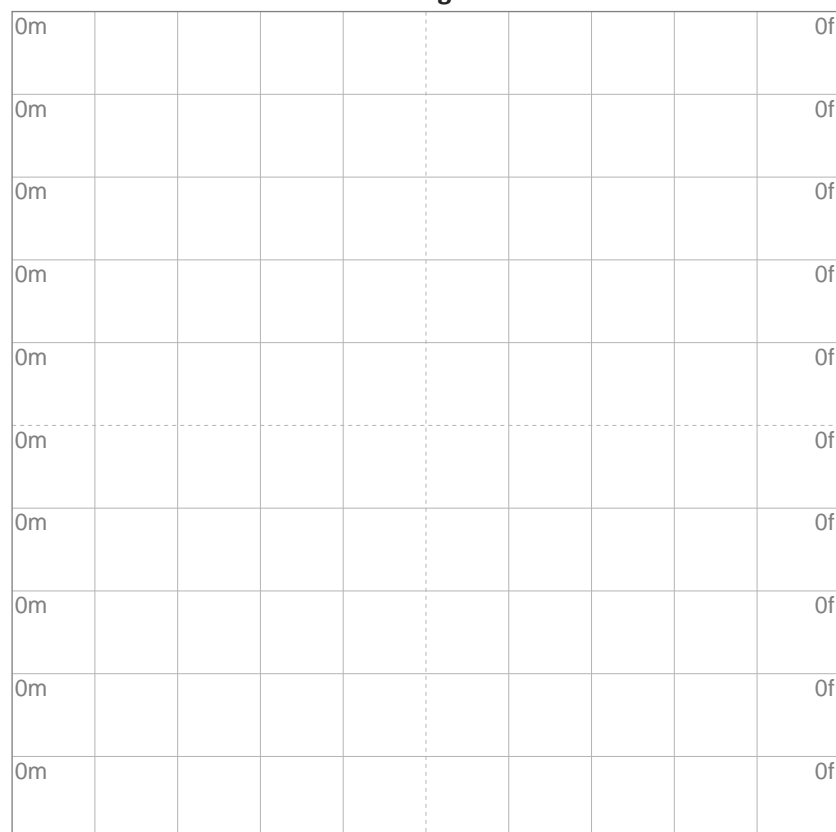
10%	14 cd
20%	28 cd
30%	41 cd
40%	55 cd
50%	69 cd
60%	83 cd
70%	97 cd
80%	110 cd
90%	124 cd

Conditions:

Number of c-planes: 16

Candela at center: 138 cd

iso-lux diagram



Mounting height: 10 meters

3%	41,4m lx
5%	69,0m lx
10%	0,138 lx
30%	0,414 lx
50%	0,690 lx

Conditions:

Number of c-planes: 16

Lux at center: 1,38 lx

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

FP: 1,0

THD tensão: n/a