

FITA SLED8224 20WM 2400K 95 - 1m



Fluxo luminoso – 1250 lm/m

Potência – 21,0 W/m

Intensidade pico – 427cd

CCT – 2421K

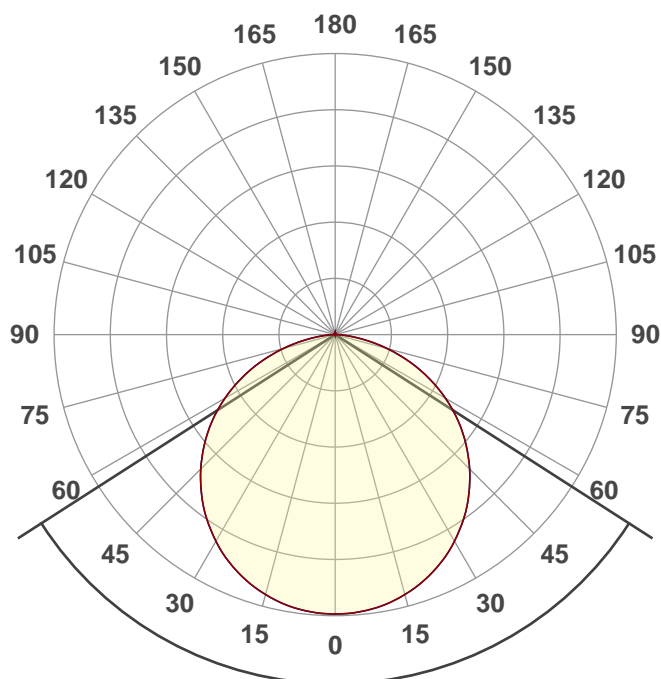


IRC – 96,7

Coordenada CIE 1931 – x- 0,490 y- 0,423

Data do ensaio

20/07/2021 15:08:43



Facho de abertura

114,6°

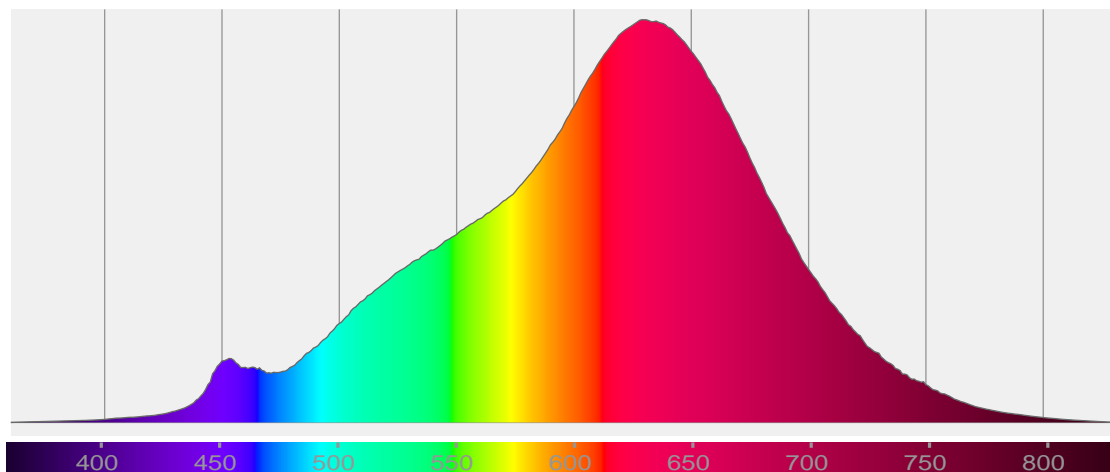
Rf 93,6

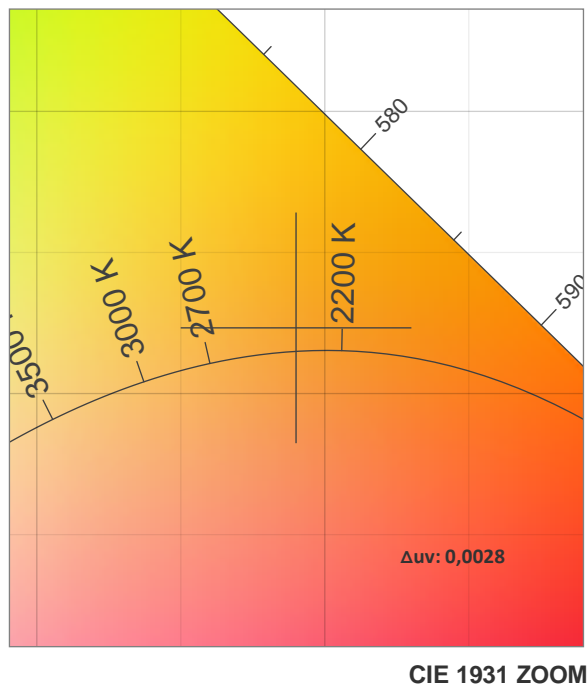
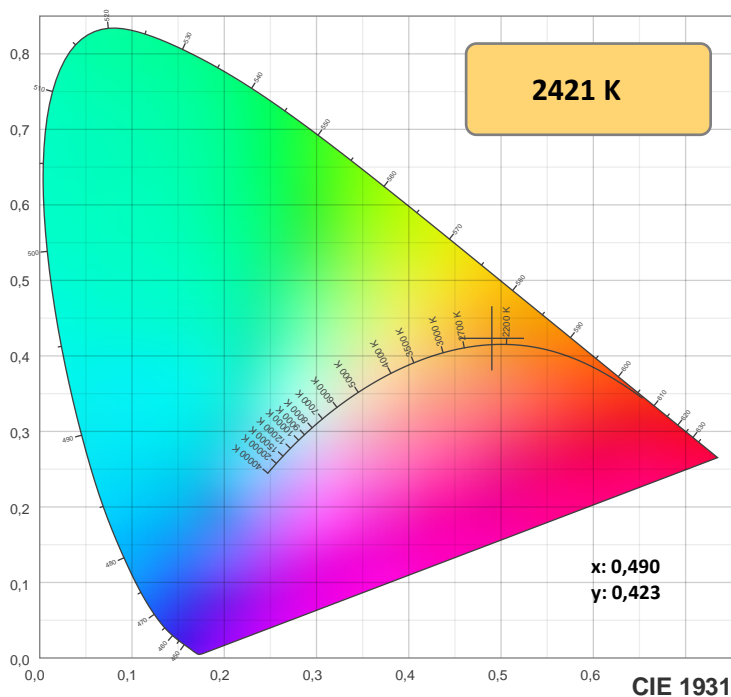
Fidelity index Rf

Rg 96,6

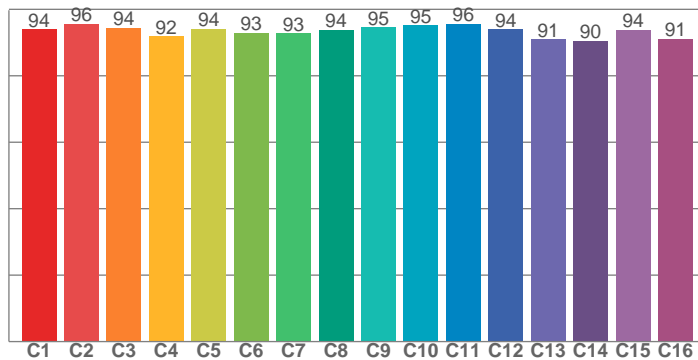
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	96	-2%	0%
3	94	-2%	-1%
4	92	-5%	-3%
5	94	-5%	1%
6	93	-3%	4%
7	93	-3%	3%
8	94	0%	4%
9	95	0%	3%
10	95	0%	3%
11	96	2%	2%
12	94	2%	-2%
13	91	0%	-8%
14	90	-1%	-7%
15	94	-3%	-1%
16	91	-3%	-5%

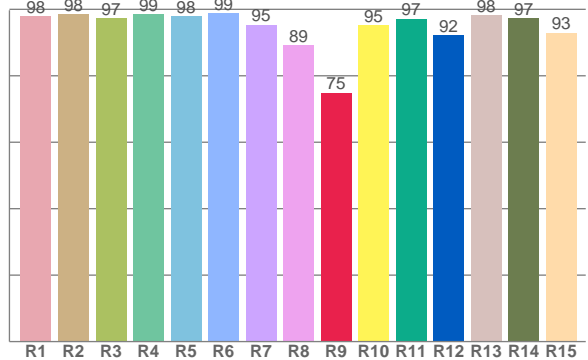




TM-30: 93,6



CRI: 96,7 (R1-R8)



CRIRA R1-R8 / CRIRE R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,9	98,4	97,3	98,5	97,8	98,9	95,4	89,1	74,9	95,3	97,1	92,2	98,3	97,3	93,0

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
94,0	95,7	94,4	91,8	94,1	92,9	92,7	93,7	94,6	95,2	95,6	94,0	90,9	90,5	93,8	91,1

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
2421 K	96,7	74,9	93,6	96,6	88,1	0,490	0,423	0,276	0,358	0,0028

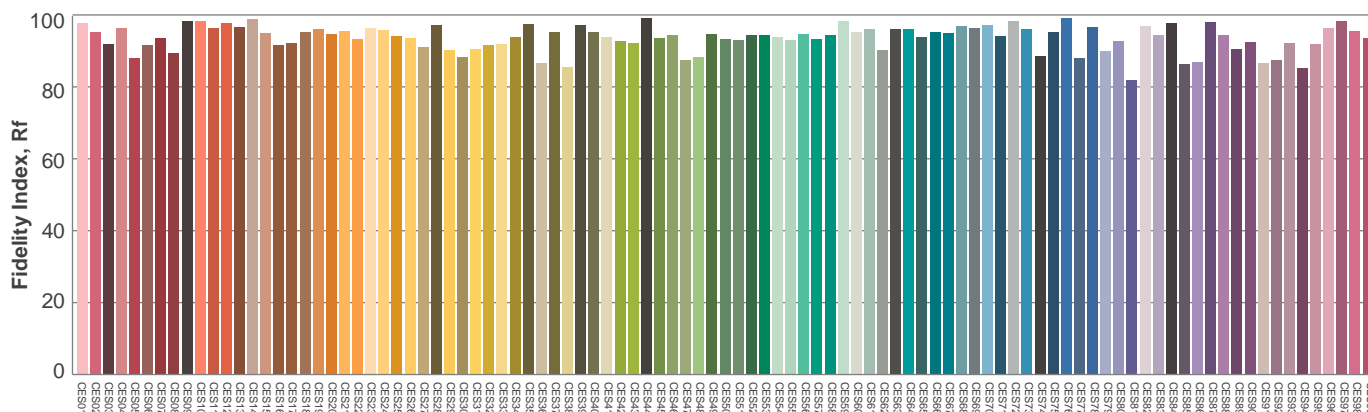
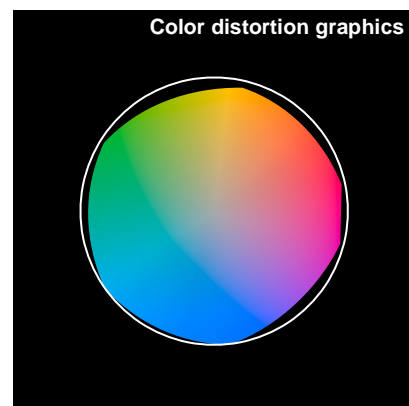
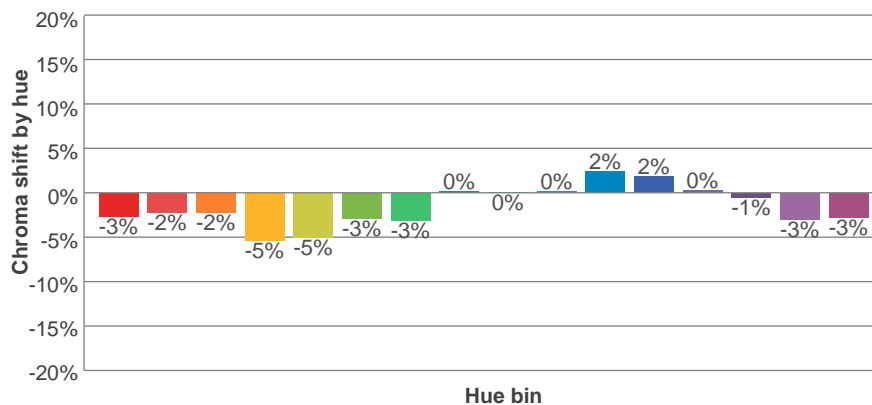
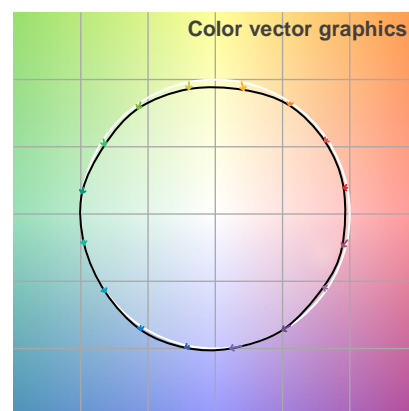
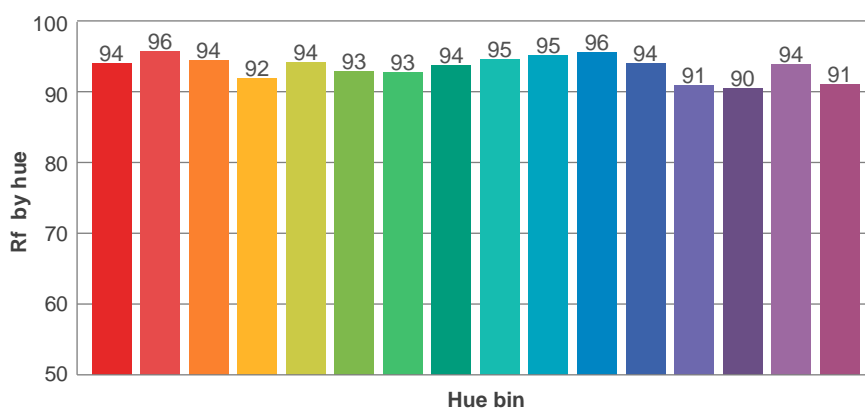
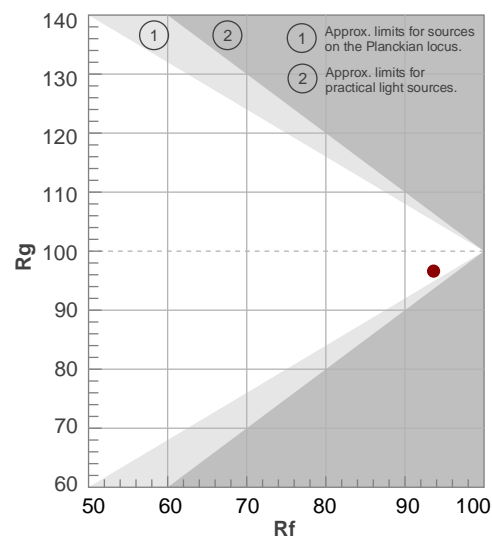
Rf 93,6

Fidelity index Rf

Rg 96,6

Gamut index Rg

Hue Bin	R _i	Shifts (%)	
		Chroma	Hue
1	94	-3%	1%
2	96	-2%	0%
3	94	-2%	-1%
4	92	-5%	-3%
5	94	-5%	1%
6	93	-3%	4%
7	93	-3%	3%
8	94	0%	4%
9	95	0%	3%
10	95	0%	3%
11	96	2%	2%
12	94	2%	-2%
13	91	0%	-8%
14	90	-1%	-7%
15	94	-3%	-1%
16	91	-3%	-5%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

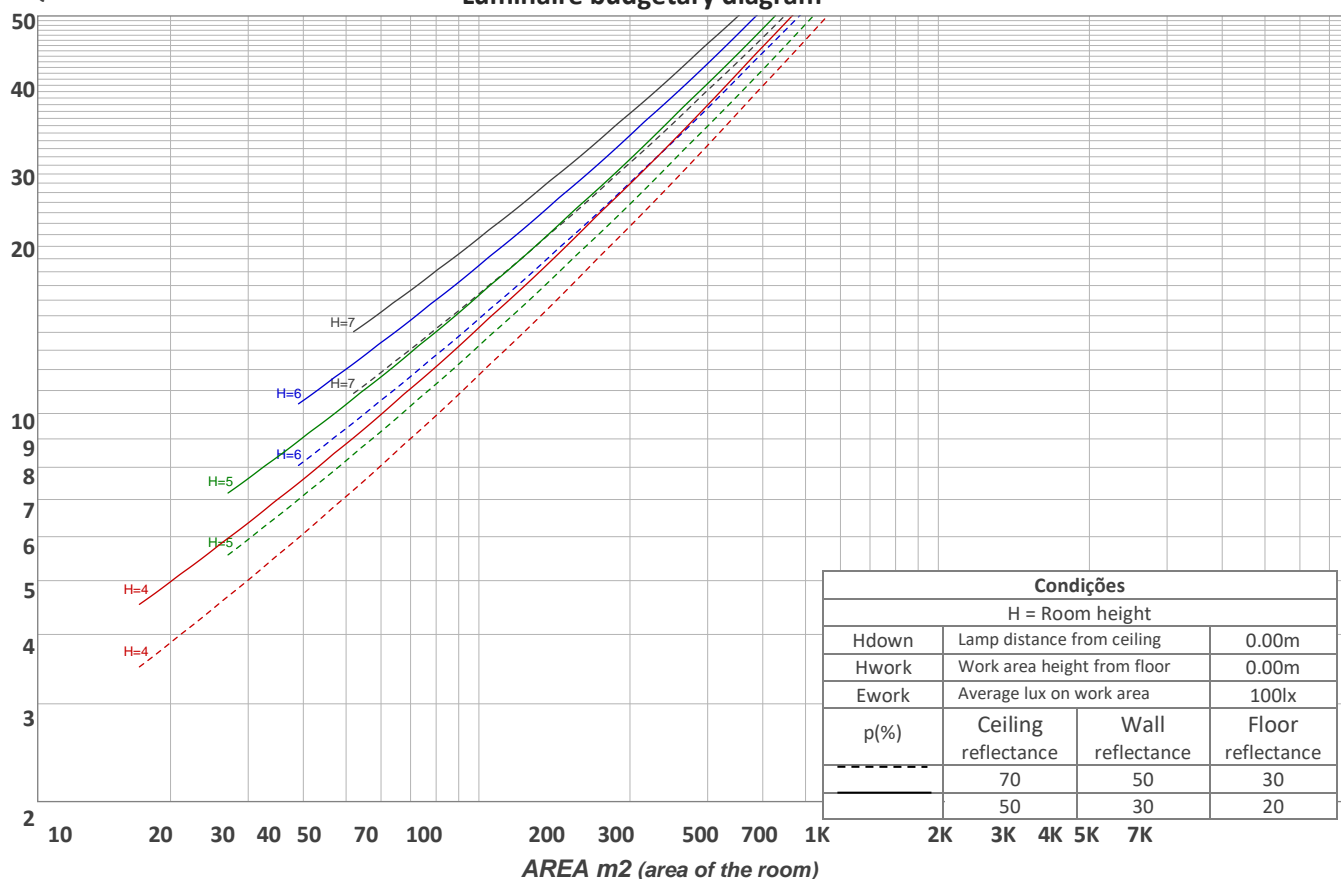
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	26,1	27,3	26,3	27,6	27,8	26,2	27,4	26,4	27,7	28,0
	3H	27,5	28,7	27,9	29,0	29,3	27,6	28,9	28,1	29,2	29,4
	4H	28,1	29,3	28,5	29,5	29,8	28,3	29,5	28,7	29,7	30,0
	6H	28,5	29,5	28,8	29,8	30,2	28,7	29,8	29,0	30,1	30,5
	8H	28,6	29,6	28,9	29,9	30,3	28,8	29,8	29,2	30,2	30,6
	12H	28,6	29,6	29,0	29,9	30,4	28,8	29,8	29,2	30,2	30,6
4H	2H	26,7	27,9	27,1	28,2	28,4	26,8	28,0	27,2	28,3	28,5
	3H	28,4	29,4	28,8	29,7	30,2	28,5	29,5	28,9	29,9	30,3
	4H	29,0	29,9	29,5	30,3	30,9	29,2	30,1	29,6	30,5	31,1
	6H	29,5	30,3	30,0	30,7	31,1	29,7	30,5	30,2	30,9	31,3
	8H	29,6	30,4	30,1	30,8	31,2	29,8	30,6	30,3	31,0	31,4
	12H	29,6	30,3	30,1	30,7	31,2	29,9	30,5	30,4	31,0	31,5
8H	4H	29,3	30,1	29,8	30,4	30,8	29,4	30,2	29,9	30,6	31,0
	6H	29,9	30,5	30,4	30,9	31,5	30,1	30,7	30,6	31,1	31,7
	8H	30,1	30,6	30,6	31,1	31,8	30,3	30,8	30,8	31,3	32,0
	12H	30,2	30,6	30,7	31,1	31,7	30,4	30,8	31,0	31,4	32,0
12H	4H	29,3	29,9	29,8	30,4	30,9	29,4	30,1	29,9	30,5	31,0
	6H	29,9	30,4	30,4	31,0	31,6	30,1	30,6	30,6	31,2	31,8
	8H	30,1	30,6	30,7	31,1	31,7	30,3	30,8	30,9	31,3	31,9
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		0,5 / -0,6					0,5 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 1250 lm total luminous flux											

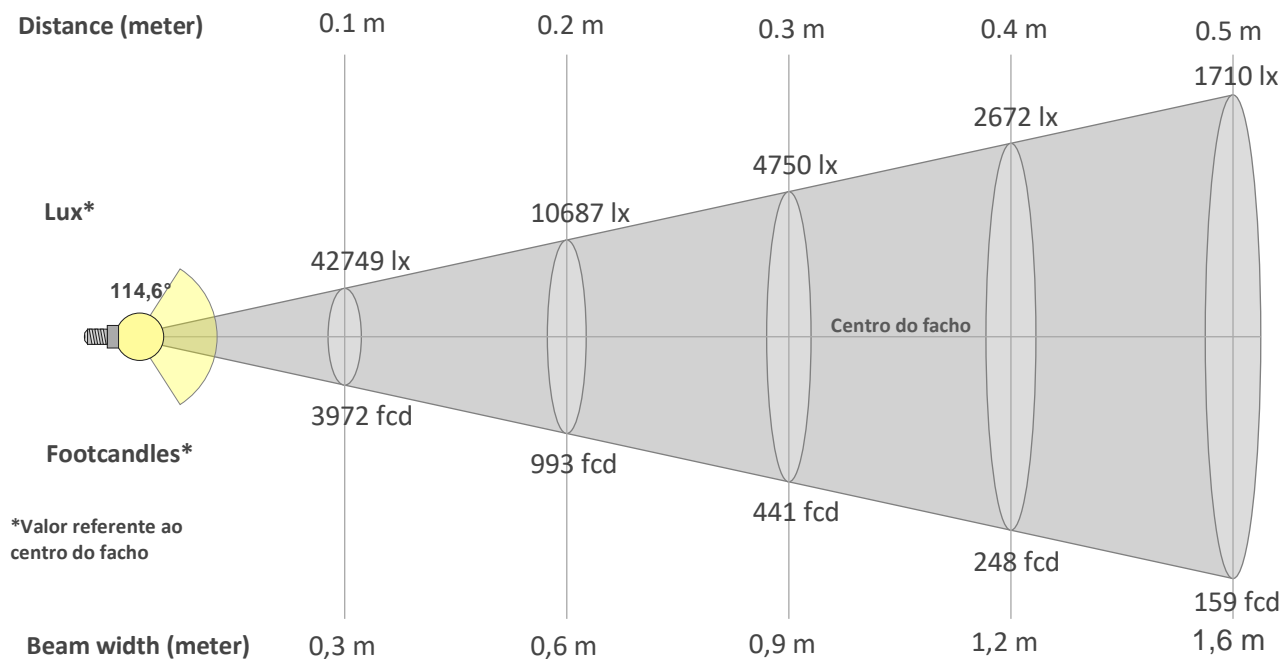
Coeficiente de utilização

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	101	101	101	99
1	109	104	99	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	83	78	96	88	82	77	85	79	75	81	77	73	78	74	71	69
3	90	79	71	64	87	78	70	64	74	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	50	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	45	39	35	33
8	60	46	38	32	58	46	38	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	32	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

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
427lx	107lx	47lx	27lx	17lx	12lx	9lx	7lx	5lx	4lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx
39,7fcd	9,9fcd	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°
427	426	421	412	400	384	365	343	318	291	261	229	195	158	121	82	46	17	2	1
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	28%	19%	11%	4%	1%	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°
427	426	421	412	400	384	365	343	318	291	261	229	195	158	121	82	46	17	2	1
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	28%	19%	11%	4%	1%	0%

Intensities in 180° c-plane

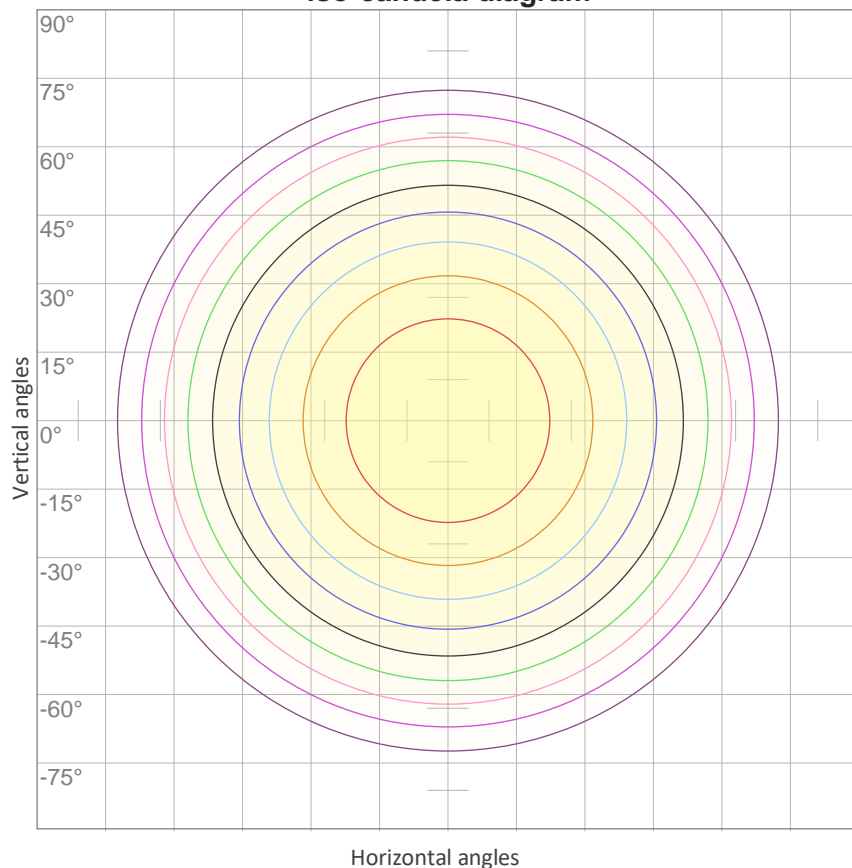
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
427	426	421	412	400	384	365	343	318	291	261	229	195	158	121	82	46	17	2	1
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	28%	19%	11%	4%	1%	0%

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°
427	426	421	412	400	384	365	343	318	291	261	229	195	158	121	82	46	17	2	1
100%	100%	98%	96%	93%	90%	85%	80%	74%	68%	61%	54%	46%	37%	28%	19%	11%	4%	1%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
114,6°	160,9°	172,9°	78,2%	52,9%

iso-candela diagram



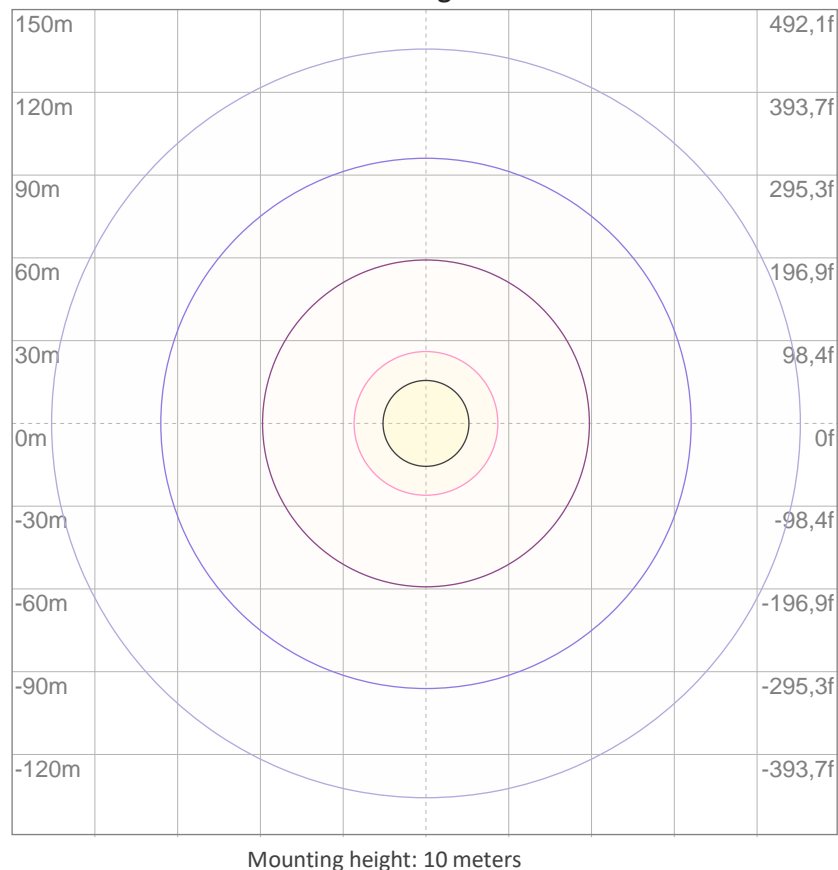
10%	43 cd
20%	85 cd
30%	128 cd
40%	171 cd
50%	214 cd
60%	256 cd
70%	299 cd
80%	342 cd
90%	385 cd

Conditions:

Number of c-planes: 16

Candela at center: 427 cd

iso-lux diagram



3%	0,128 lx
5%	0,214 lx
10%	0,427 lx
30%	1,28 lx
50%	2,14 lx

Conditions:

Number of c-planes: 16

Lux at center: 4,27 lx

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

Potência

Vttagem: 12,0 V

Corrente: 1,75 A

Frequência: 0 Hz

FP: 1,0

THD



THD corrente: n/a

THD tensão: n/a