

## FITA SLED8124 15WM 2400K 95 - 1m



Fluxo luminoso – 960 lm/m

Potência – 15,0 W/m

Intensidade pico – 308cd

CCT – 2427K

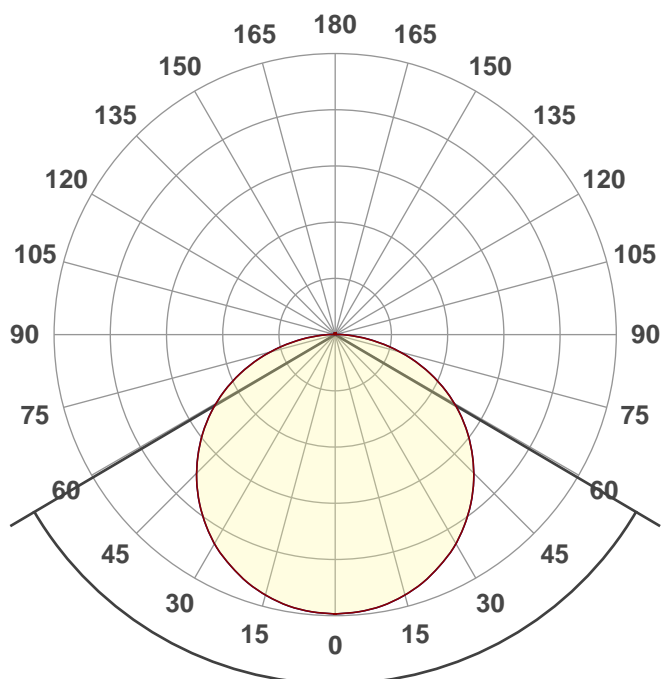


IRC – 96,3

Coordenada CIE 1931 – x- 0,493 y- 0,428

Data do ensaio

22/04/2020 17:16:40



Facho de abertura

**119°**

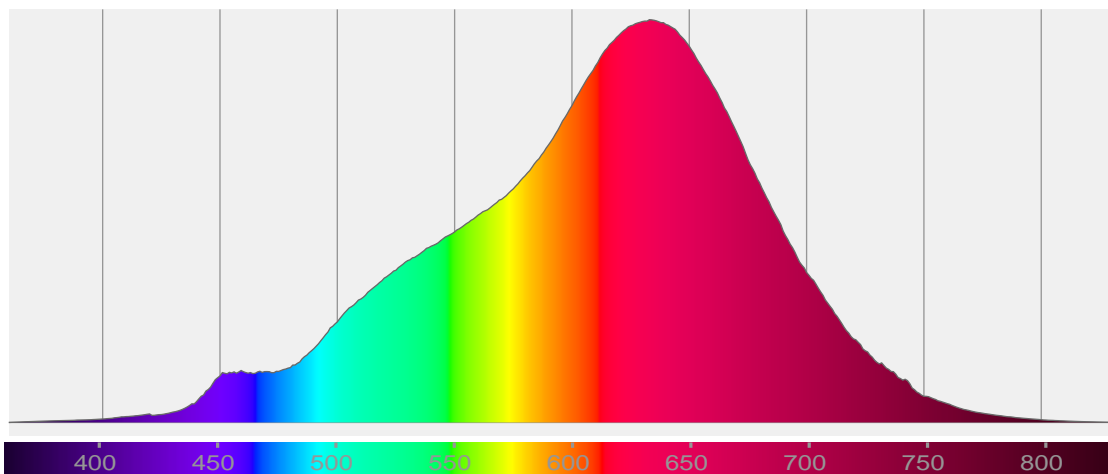
**Rf 91,6**

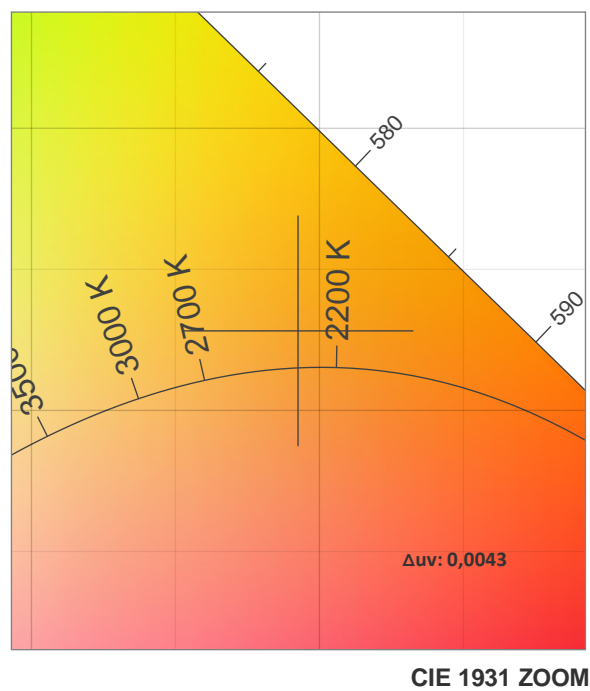
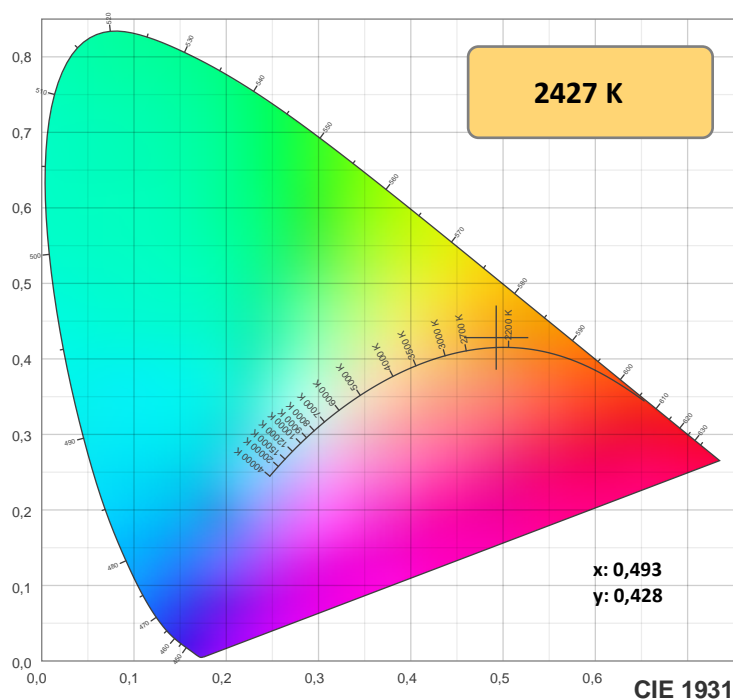
Fidelity index Rf

**Rg 94,2**

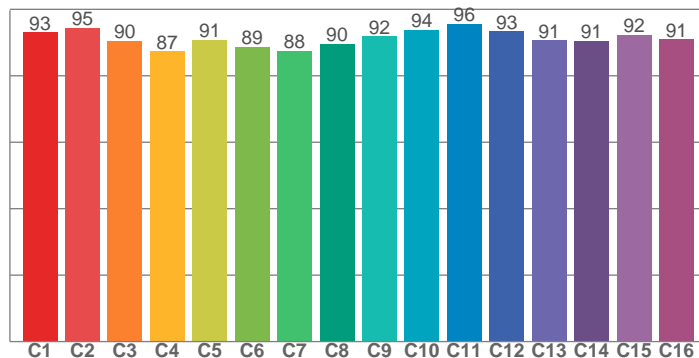
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	-1%
3	90	-4%	-3%
4	87	-8%	-4%
5	91	-8%	1%
6	89	-6%	6%
7	88	-5%	6%
8	90	0%	7%
9	92	0%	5%
10	94	0%	4%
11	96	2%	2%
12	93	1%	-3%
13	91	-1%	-8%
14	91	-2%	-5%
15	92	-4%	1%
16	91	-3%	-4%

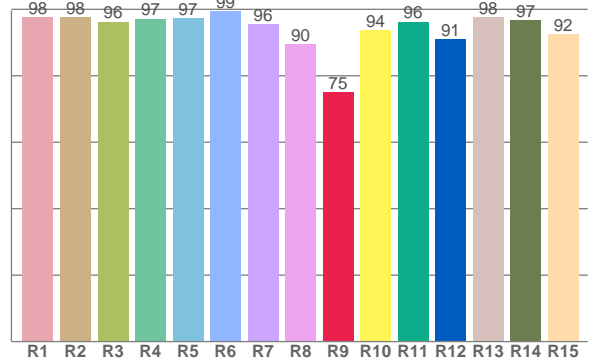




TM-30: 91,6



CRI: 96,3 (R1-R8)



CRiRa R1-R8 / CRiRe R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
97,7	97,6	96,3	97,1	97,3	99,4	95,6	89,6	75,0	93,7	96,3	90,9	97,7	96,8	92,5

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
93,1	94,5	90,5	87,3	90,8	88,7	87,5	89,6	91,9	93,9	95,7	93,4	90,6	90,5	92,4	90,9

## 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	$\Delta uv$
2427 K	96,3	75,0	91,6	94,2	83,5	0,493	0,428	0,275	0,359	0,0043

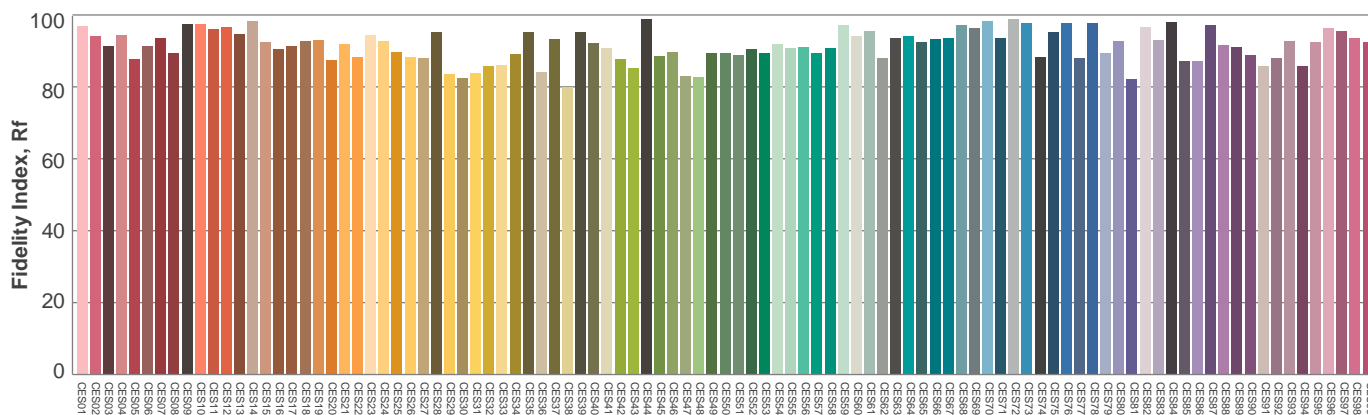
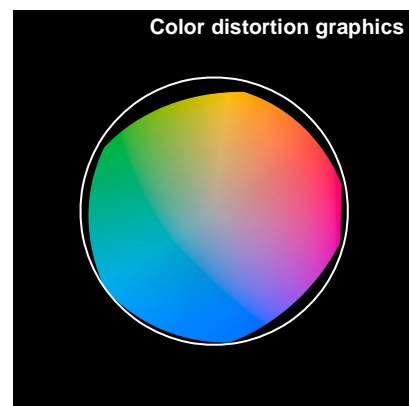
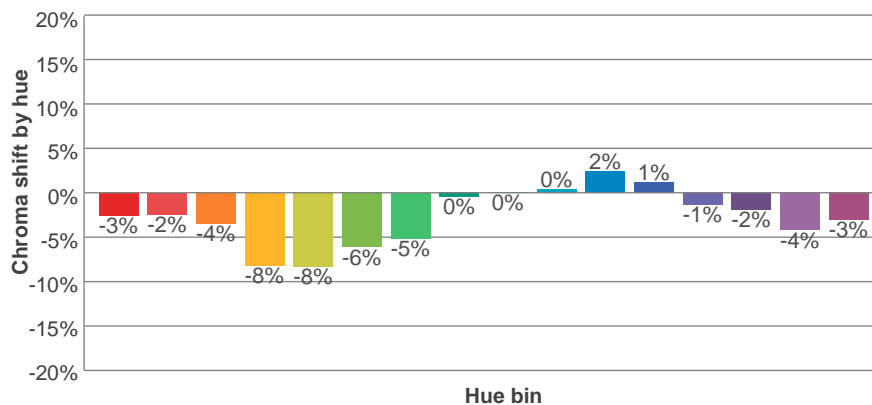
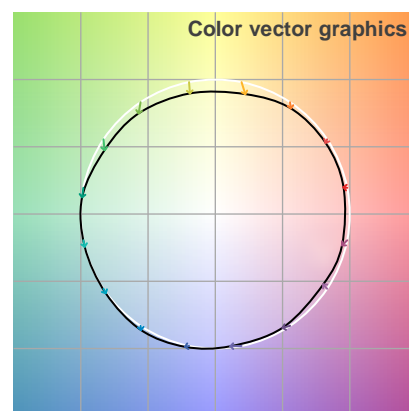
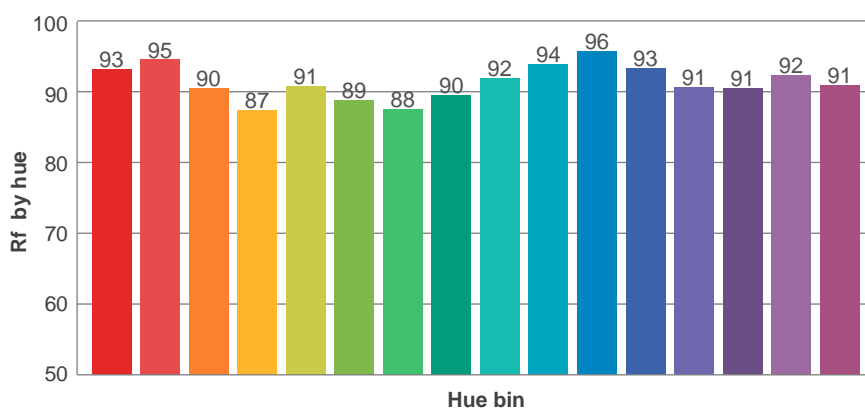
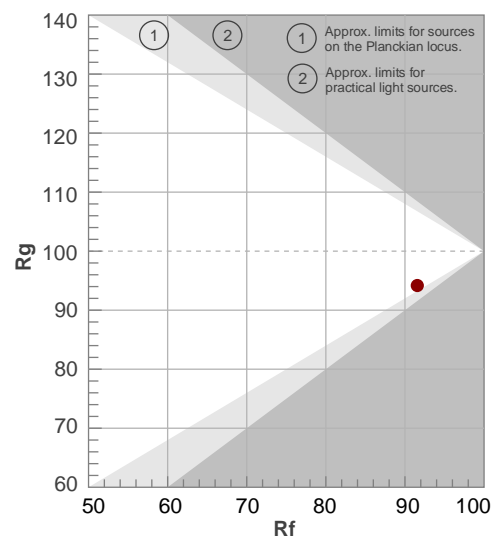
**Rf 91,6**

Fidelity index Rf

**Rg 94,2**

Gamut index Rg

Hue Bin	R <sub>i</sub>	Shifts (%)	
		Chroma	Hue
1	93	-3%	1%
2	95	-2%	-1%
3	90	-4%	-3%
4	87	-8%	-4%
5	91	-8%	1%
6	89	-6%	6%
7	88	-5%	6%
8	90	0%	7%
9	92	0%	5%
10	94	0%	4%
11	96	2%	2%
12	93	1%	-3%
13	91	-1%	-8%
14	91	-2%	-5%
15	92	-4%	1%
16	91	-3%	-4%



Avaliação todas as amostras de cores

Glare Evaluation According to UGR

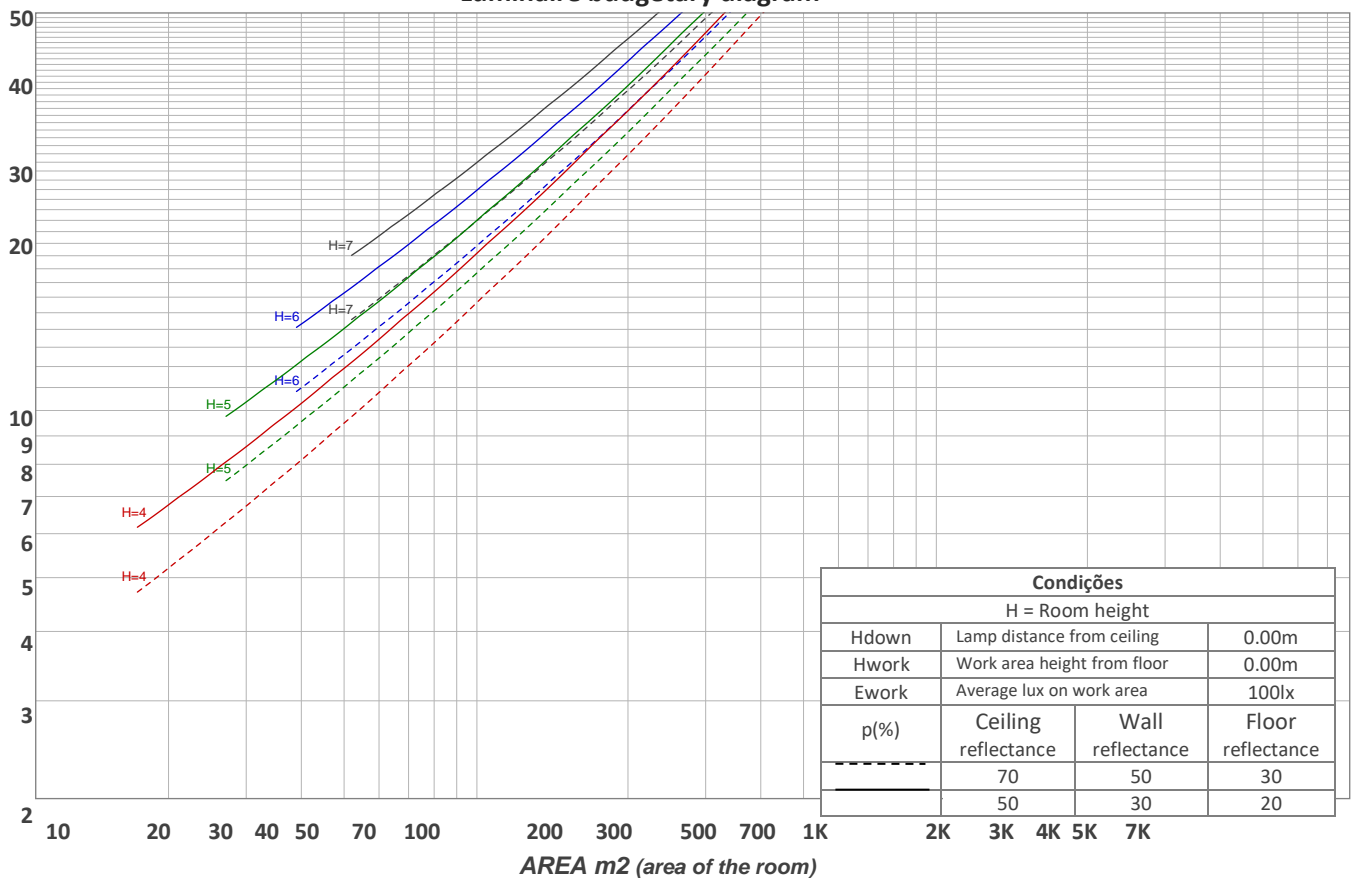
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	25,2	26,5	25,5	26,8	27,0	25,3	26,5	25,5	26,8	27,1
	3H	26,9	28,2	27,3	28,5	28,7	26,9	28,2	27,4	28,5	28,8
	4H	27,6	28,9	28,0	29,2	29,4	27,7	28,9	28,1	29,2	29,5
	6H	28,3	29,4	28,6	29,7	30,1	28,4	29,5	28,7	29,8	30,2
	8H	28,5	29,6	28,8	29,9	30,3	28,6	29,7	28,9	30,0	30,4
	12H	28,6	29,7	29,0	30,0	30,5	28,8	29,8	29,1	30,1	30,6
4H	2H	25,9	27,1	26,3	27,4	27,7	25,9	27,2	26,3	27,5	27,7
	3H	27,9	28,9	28,3	29,3	29,7	27,9	29,0	28,3	29,3	29,8
	4H	28,7	29,6	29,1	30,1	30,6	28,7	29,7	29,2	30,1	30,7
	6H	29,4	30,3	29,9	30,7	31,1	29,5	30,4	30,0	30,8	31,1
	8H	29,7	30,5	30,2	30,9	31,3	29,8	30,6	30,3	31,0	31,4
	12H	29,9	30,6	30,4	31,0	31,5	30,0	30,7	30,5	31,1	31,6
8H	4H	29,0	29,9	29,5	30,2	30,6	29,1	29,9	29,6	30,3	30,7
	6H	29,9	30,6	30,4	31,0	31,6	30,0	30,6	30,5	31,1	31,7
	8H	30,3	30,9	30,9	31,4	32,1	30,4	31,0	30,9	31,5	32,2
	12H	30,6	31,1	31,2	31,6	32,3	30,8	31,2	31,3	31,7	32,4
12H	4H	29,1	29,8	29,6	30,2	30,7	29,1	29,8	29,6	30,2	30,7
	6H	30,0	30,6	30,6	31,1	31,8	30,1	30,7	30,6	31,2	31,9
	8H	30,5	30,9	31,1	31,5	32,1	30,6	31,0	31,1	31,5	32,2
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 / -0,2					0,1 / -0,2				
S = 2.0H		0,3 / -0,4					0,3 / -0,3				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 960 lm total luminous flux											

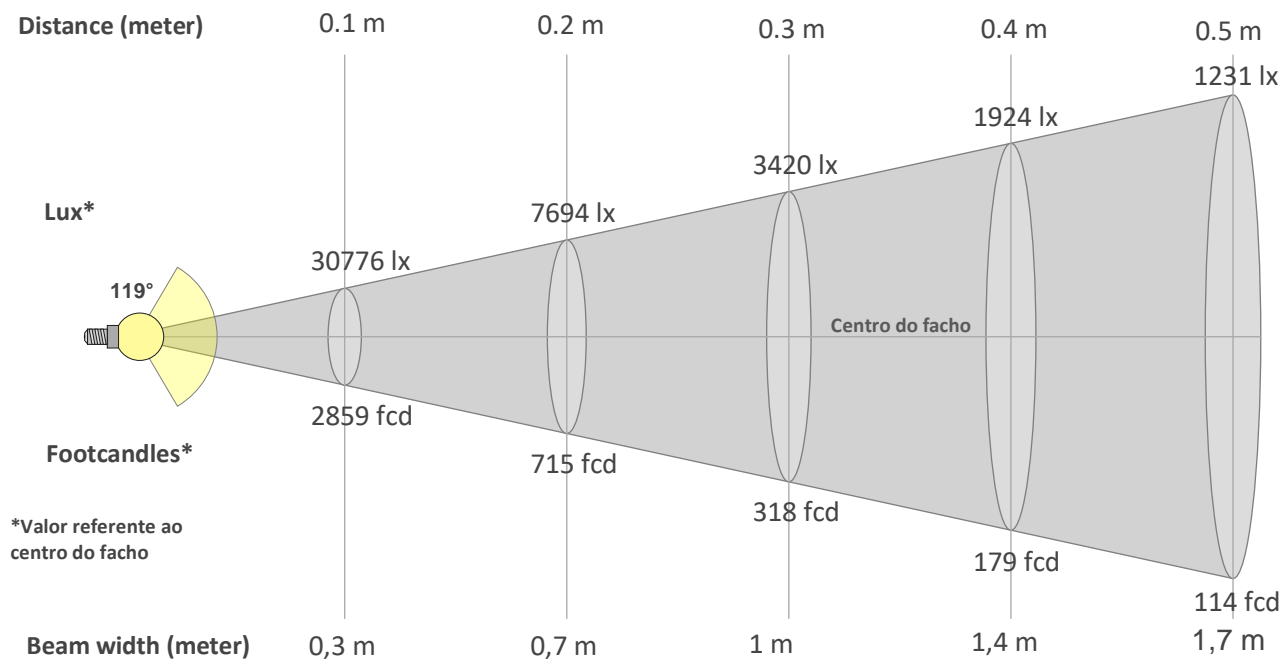
**Coeficiente de utilização**

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	108	103	98	94	105	100	96	92	96	92	89	92	89	86	88	86	84	81
2	98	89	82	76	95	87	80	75	83	78	73	80	75	71	77	73	69	67
3	89	78	69	62	86	76	68	62	73	66	61	70	64	59	67	62	58	56
4	81	69	59	52	79	67	59	52	64	57	51	62	56	50	60	54	50	47
5	74	61	52	45	72	60	51	45	58	50	44	56	49	43	54	48	43	41
6	69	55	46	39	67	54	45	39	52	44	38	50	43	38	48	42	38	35
7	63	50	41	34	62	49	40	34	47	39	34	46	39	34	44	38	33	31
8	59	45	37	31	57	44	36	30	43	36	30	42	35	30	40	34	30	28
9	55	41	33	27	54	41	33	27	40	32	27	38	32	27	37	31	27	25
10	52	38	30	25	50	38	30	25	37	29	25	36	29	24	35	29	24	22

**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
308lx	77lx	34lx	19lx	12lx	9lx	6lx	5lx	4lx	3lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx
28,6fcd	7,1fcd	3,2fcd	1,8fcd	1,1fcd	0,8fcd	0,6fcd	0,4fcd	0,4fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	0,1fcd	0,1fcd	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°
308	306	303	297	289	278	266	251	234	216	196	174	151	127	101	74	48	24	8	2
100%	100%	98%	96%	94%	90%	86%	82%	76%	70%	64%	57%	49%	41%	33%	24%	16%	8%	3%	1%

### 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°
308	306	303	297	289	278	266	251	234	216	196	174	151	127	101	74	48	24	8	2
100%	100%	98%	96%	94%	90%	86%	82%	76%	70%	64%	57%	49%	41%	33%	24%	16%	8%	3%	1%

### Intensities in 180° c-plane

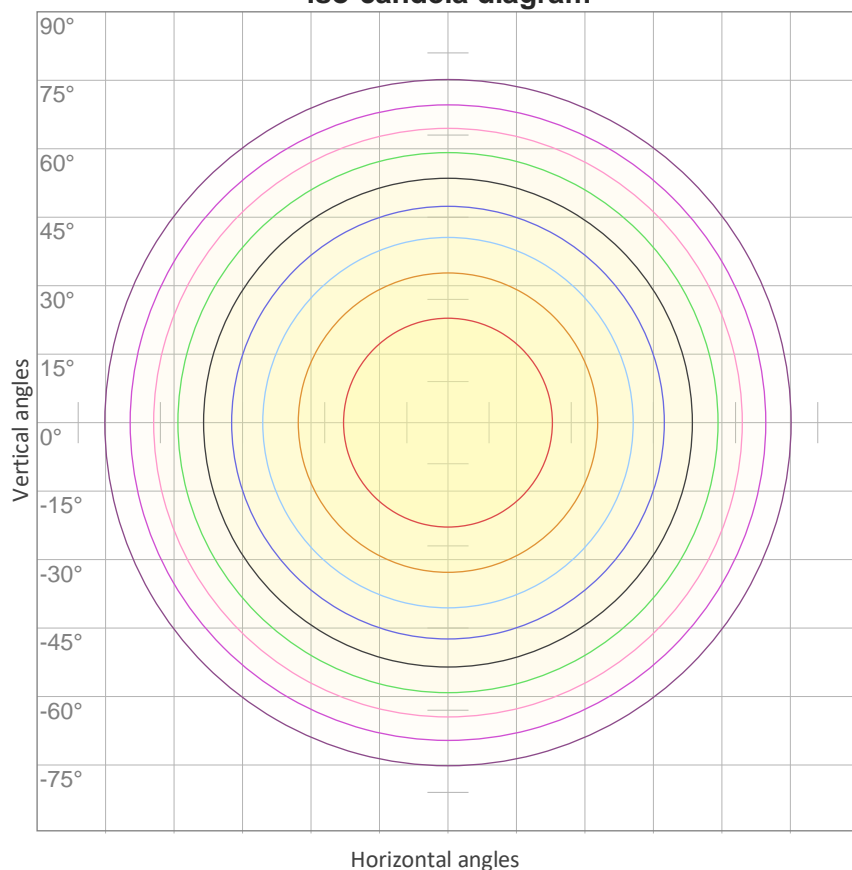
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
308	306	303	297	289	278	266	251	234	216	196	174	151	127	101	74	48	24	8	2
100%	100%	98%	96%	94%	90%	86%	82%	76%	70%	64%	57%	49%	41%	33%	24%	16%	8%	3%	1%

### 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°
308	306	303	297	289	278	266	251	234	216	196	174	151	127	101	74	48	24	8	2
100%	100%	98%	96%	94%	90%	86%	82%	76%	70%	64%	57%	49%	41%	33%	24%	16%	8%	3%	1%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
119°	167,1°	180,5°	75,1%	50,2%

**iso-candela diagram**



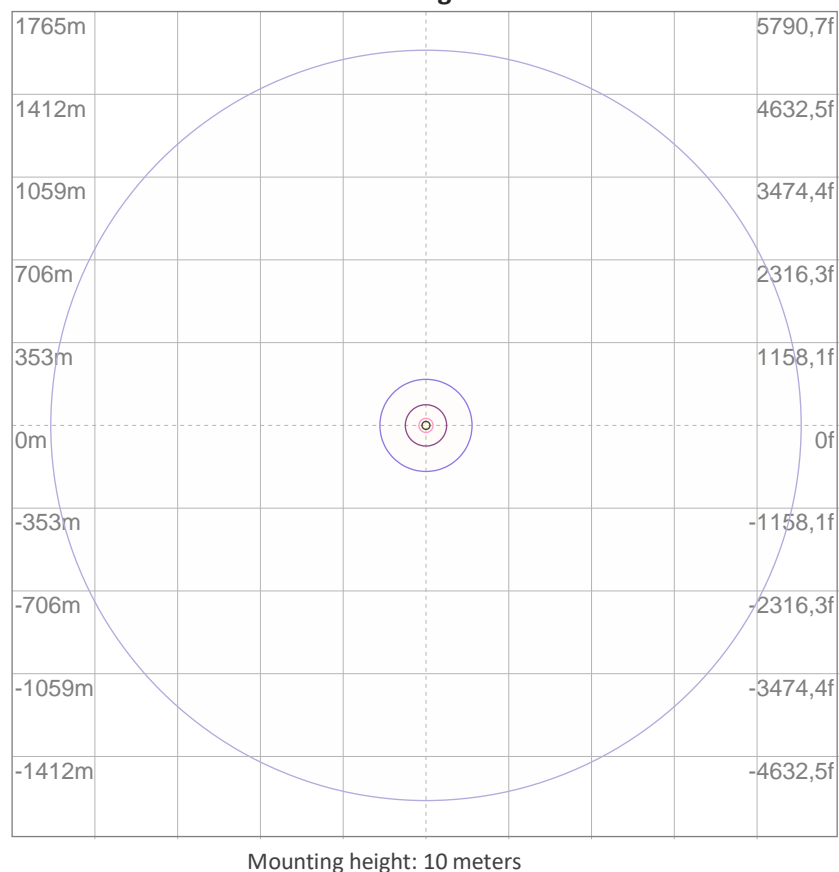
10%	31 cd
20%	62 cd
30%	92 cd
40%	123 cd
50%	154 cd
60%	185 cd
70%	215 cd
80%	246 cd
90%	277 cd

Conditions:

Number of c-planes: 12

Candela at center: 308 cd

**iso-lux diagram**



3%	92,3m lx
5%	0,154 lx
10%	0,308 lx
30%	0,923 lx
50%	1,54 lx

Conditions:

Number of c-planes: 12

Lux at center: 3,08 lx

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

**Potência**


**Vttagem: 12,0 V**

**Corrente: 1,25 A**

**Frequência: 0 Hz**

**FP: 1,0**

**THD**



**THD corrente: n/a**

**THD tensão: n/a**