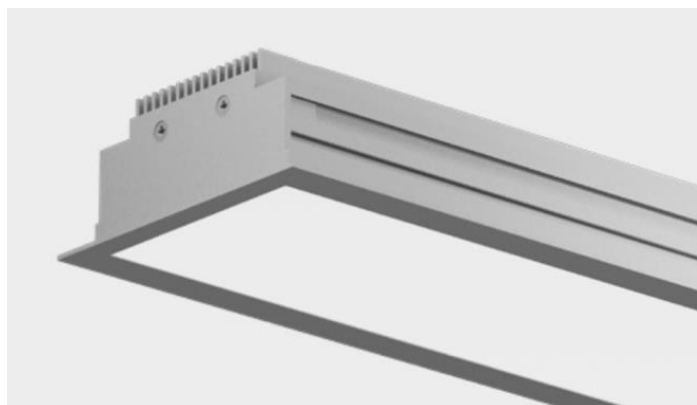


## SLED9114 E70 BARRA 2XM80B 137W 3000K 80 2124mm



Fluxo luminoso – 11713 lm/m

Potência – 137,1 W/m

Intensidade pico – 4154cd

CCT – 2854K

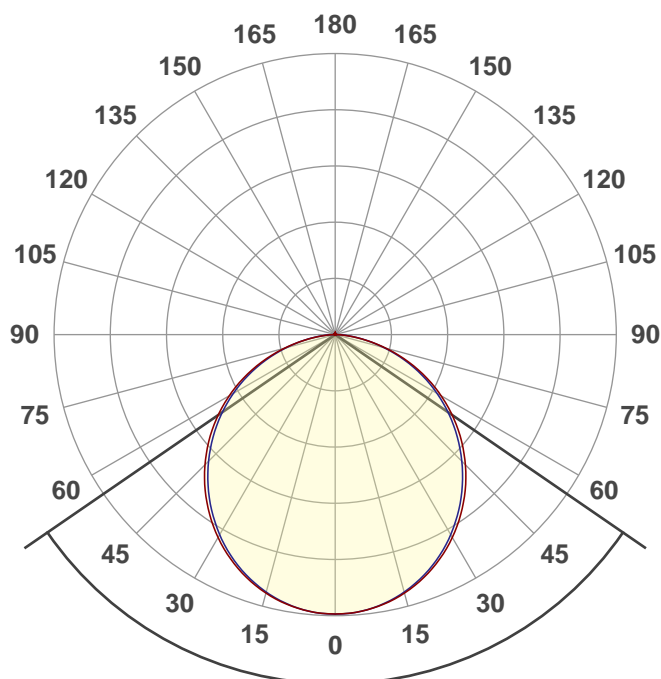


IRC – 83,5

Coordenada CIE 1931 – x- 0,445 y- 0,402

Data do ensaio

14/03/2023 11:30:40



Facho de abertura

**111°**

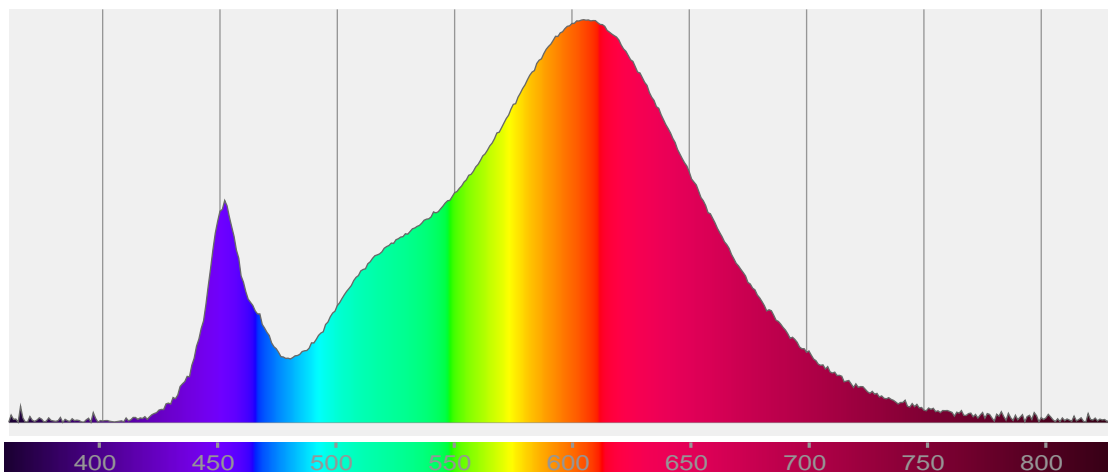
**Rf 84,9**

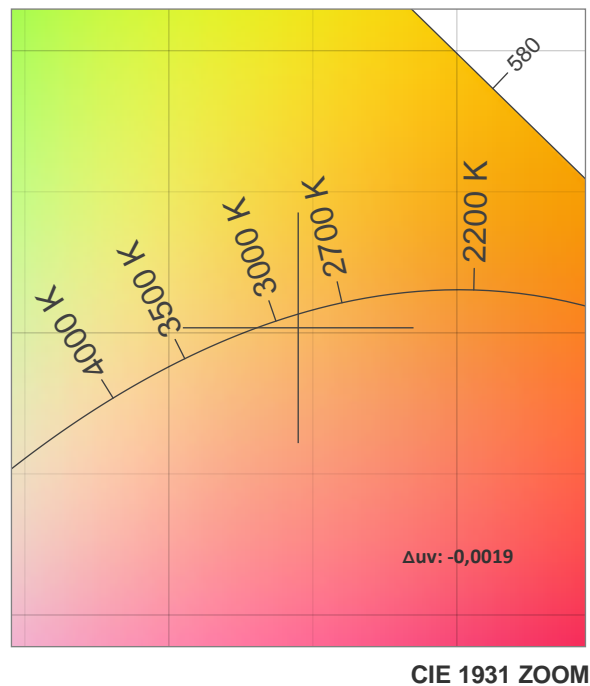
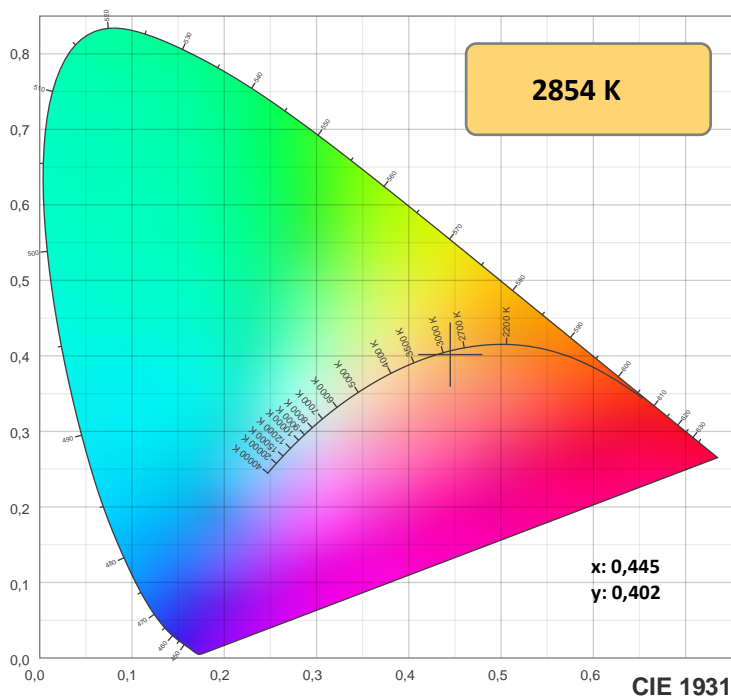
Fidelity index Rf

**Rg 97,0**

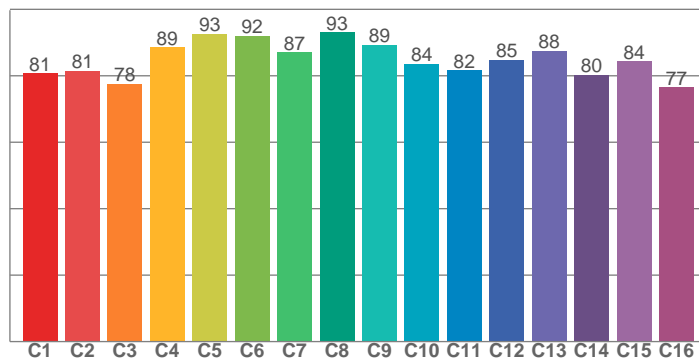
Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%

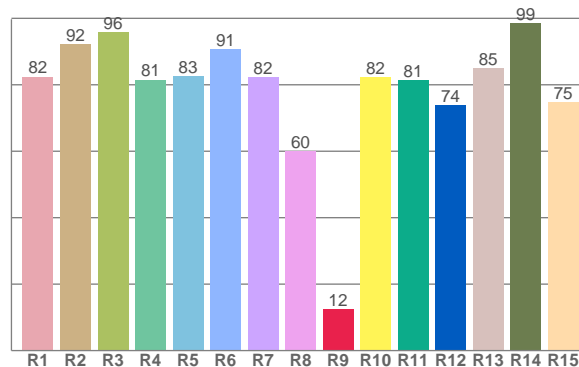




TM-30: 84,9



CRI: 83,5 (R1-R8)



CRIRA R1-R8 / CRIR R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
82,4	92,2	95,8	81,5	82,6	90,8	82,3	60,1	12,5	82,3	81,4	73,8	84,9	98,6	74,8

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
80,8	81,5	77,6	88,6	92,7	91,9	87,0	93,0	89,2	83,6	81,6	84,8	87,6	80,3	84,3	76,5

## 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
2854 K	83,5	12,5	84,9	97,0	82,1	0,445	0,402	0,257	0,348	-0,0019

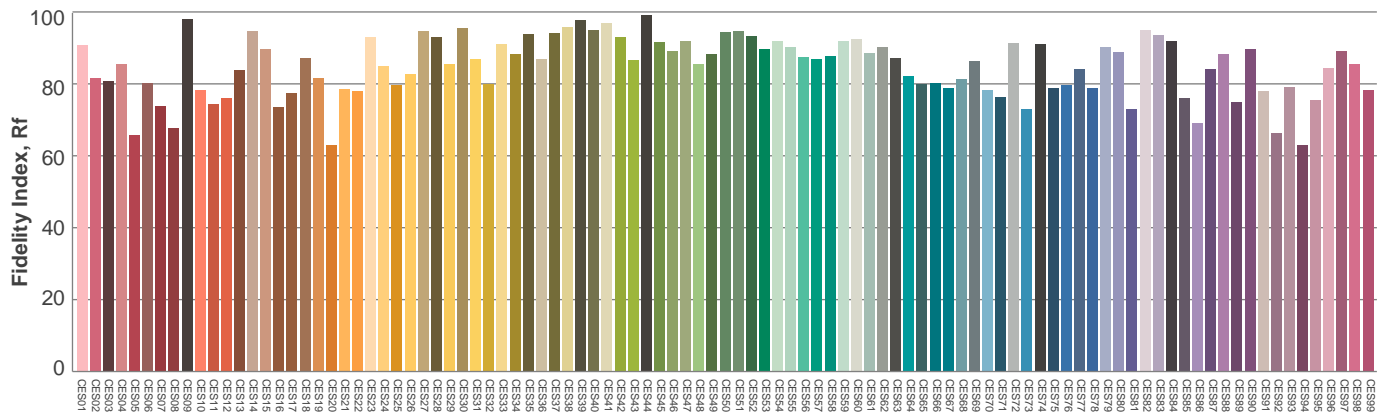
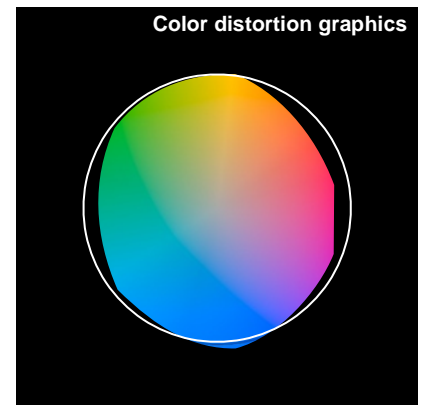
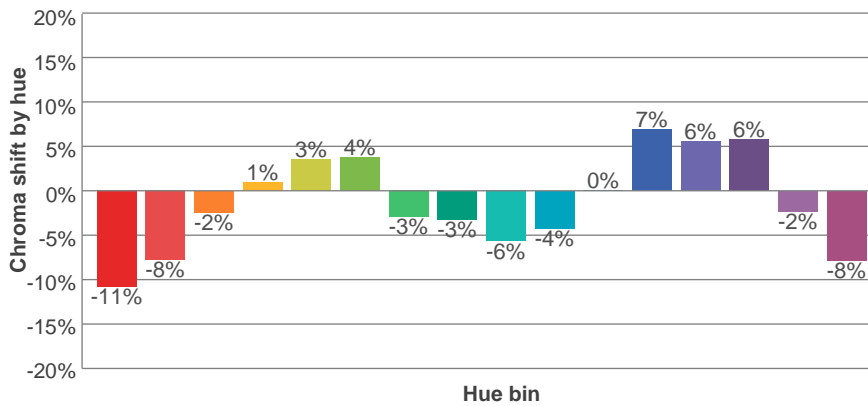
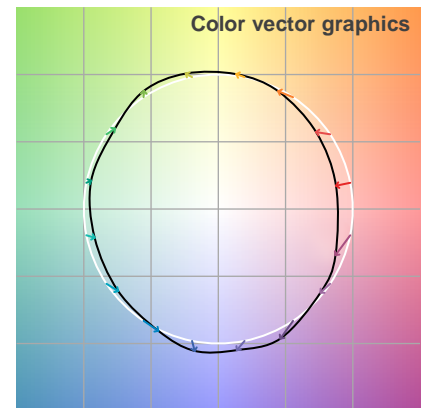
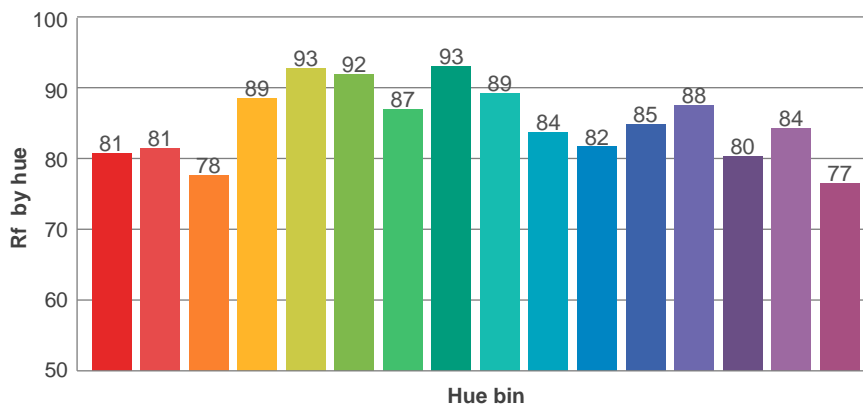
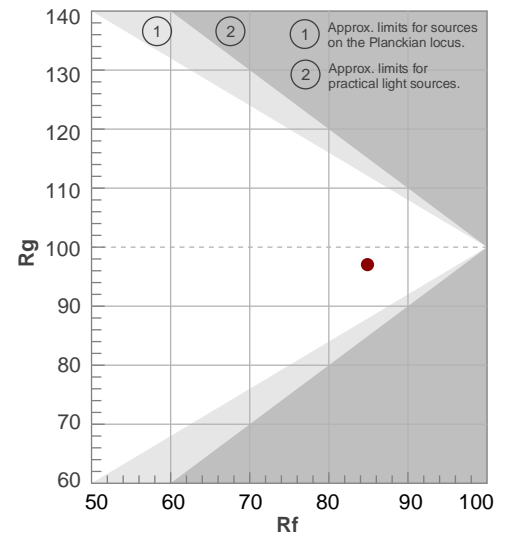
**Rf 84,9**

Fidelity index Rf

**Rg 97,0**

Gamut index Rg

Hue Bin	R <sub>f</sub>	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	81	-8%	7%
3	78	-2%	12%
4	89	1%	6%
5	93	3%	4%
6	92	4%	-3%
7	87	-3%	-7%
8	93	-3%	-2%
9	89	-6%	3%
10	84	-4%	9%
11	82	0%	13%
12	85	7%	3%
13	88	6%	-7%
14	80	6%	-15%
15	84	-2%	-9%
16	77	-8%	-17%



**Glare Evaluation According to UGR**

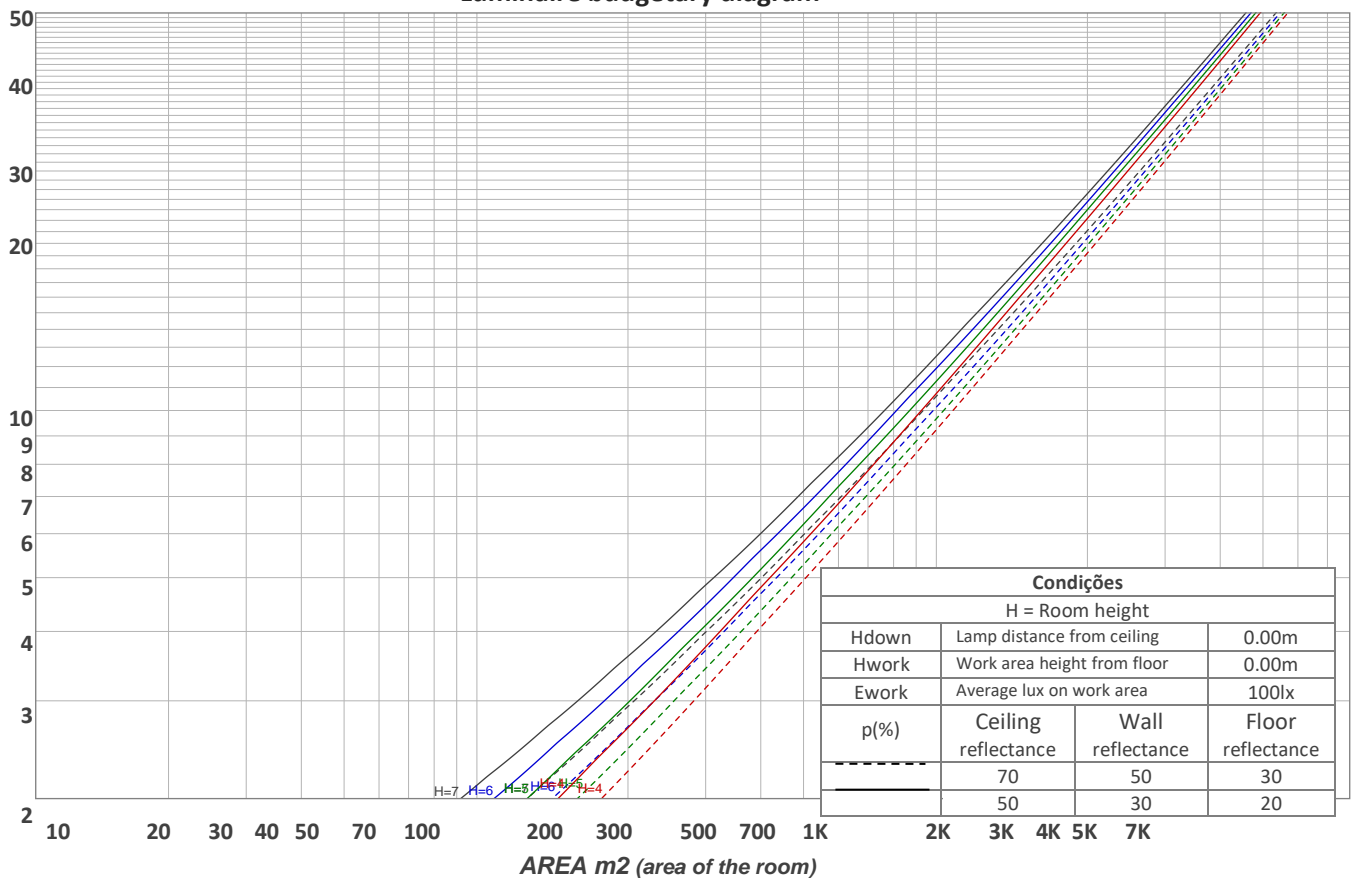
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X    Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	23,8	25,1	24,1	25,4	25,6	23,7	24,9	23,9	25,2	25,4
	3H	25,3	26,6	25,7	26,9	27,1	25,1	26,4	25,5	26,7	26,9
	4H	25,9	27,1	26,4	27,4	27,7	25,7	26,9	26,2	27,2	27,5
	6H	26,4	27,5	26,8	27,8	28,2	26,2	27,3	26,6	27,6	28,0
	8H	26,5	27,6	26,9	27,9	28,3	26,4	27,4	26,7	27,7	28,1
	12H	26,6	27,6	27,0	27,9	28,4	26,4	27,4	26,8	27,8	28,2
4H	2H	24,4	25,6	24,8	25,9	26,2	24,3	25,5	24,7	25,8	26,0
	3H	26,2	27,2	26,6	27,6	28,0	26,1	27,1	26,4	27,4	27,9
	4H	26,9	27,8	27,3	28,2	28,8	26,7	27,6	27,2	28,1	28,6
	6H	27,4	28,3	27,9	28,7	29,1	27,3	28,1	27,8	28,5	28,9
	8H	27,6	28,4	28,1	28,8	29,2	27,4	28,2	28,0	28,6	29,0
	12H	27,7	28,3	28,2	28,8	29,3	27,5	28,2	28,1	28,6	29,1
8H	4H	27,2	28,0	27,7	28,3	28,7	27,0	27,8	27,5	28,2	28,6
	6H	27,8	28,5	28,4	28,9	29,5	27,7	28,3	28,2	28,8	29,3
	8H	28,1	28,6	28,6	29,2	29,8	28,0	28,5	28,5	29,0	29,7
	12H	28,3	28,7	28,8	29,2	29,8	28,2	28,6	28,7	29,1	29,7
12H	4H	27,2	27,8	27,7	28,3	28,8	27,0	27,7	27,5	28,1	28,6
	6H	27,9	28,5	28,4	29,0	29,6	27,8	28,3	28,3	28,8	29,5
	8H	28,2	28,6	28,8	29,1	29,8	28,1	28,5	28,7	29,0	29,6
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		0,4 / -0,5					0,4 / -0,5				
Standard table		n/a					n/a				
Correction summand		n/a					n/a				
Corrected glare indices referring to 11713 lm total luminous flux											

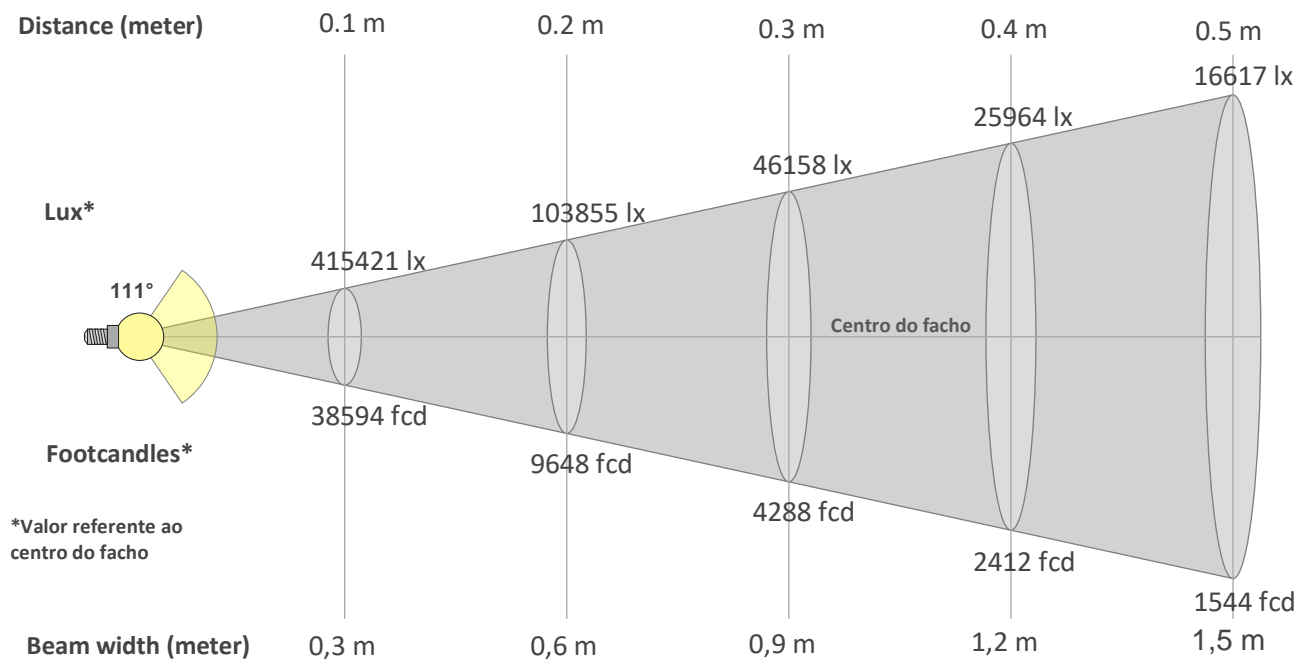
**Coeficiente de utilização**

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	102	102	102	99
1	109	104	100	96	106	101	98	94	97	94	91	93	90	88	89	87	85	83
2	99	90	84	78	96	88	82	77	85	80	75	81	77	73	78	75	71	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	64	60	58
4	82	70	61	55	80	69	61	54	66	59	53	64	58	53	62	56	52	50
5	76	63	54	47	74	62	53	47	59	52	46	57	51	46	55	50	45	43
6	70	56	48	41	68	56	47	41	54	46	40	52	45	40	50	44	40	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	35	46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32	43	37	32	42	36	31	30
9	56	43	35	29	55	42	34	29	41	34	29	40	33	29	39	33	28	27
10	53	40	32	26	52	39	31	26	38	31	26	37	31	26	36	30	26	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
4154lx	1039lx	462lx	260lx	166lx	115lx	85lx	65lx	51lx	42lx	34lx	29lx	25lx	21lx	18lx	16lx	14lx	13lx	12lx	10lx
385,9fcd	96,5fcd	42,9fcd	24,1fcd	15,4fcd	10,7fcd	7,9fcd	6fcd	4,8fcd	3,9fcd	3,2fcd	2,7fcd	2,3fcd	2fcd	1,7fcd	1,5fcd	1,3fcd	1,2fcd	1,1fcd	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°
4154	4135	4076	3979	3846	3679	3483	3257	3009	2738	2449	2140	1818	1481	1132	780	445	172	17	7
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	0%	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°
4154	4134	4068	3963	3820	3644	3435	3199	2939	2662	2370	2066	1749	1421	1086	753	445	182	19	5
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

### Intensities in 180° c-plane

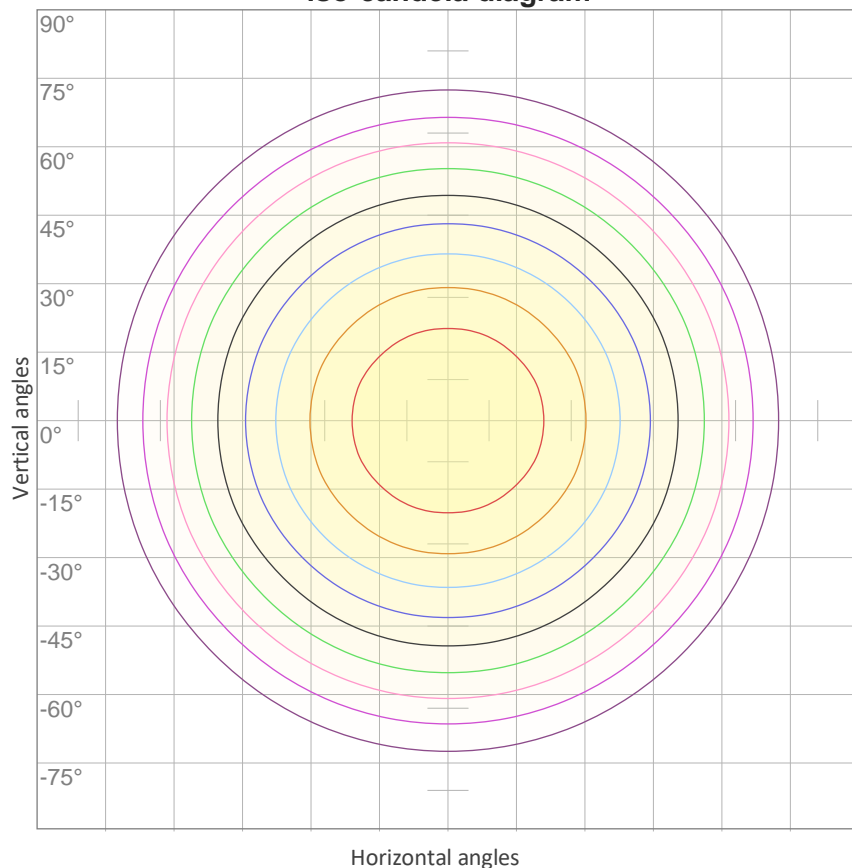
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
4154	4135	4076	3979	3846	3679	3483	3257	3009	2738	2449	2140	1818	1481	1132	780	445	172	17	7
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	0%	0%

### 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°
4154	4134	4068	3963	3820	3644	3435	3199	2939	2662	2370	2066	1749	1421	1086	753	445	182	19	5
100%	100%	98%	95%	92%	88%	83%	77%	71%	64%	57%	50%	42%	34%	26%	18%	11%	4%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
111°	161°	173,5°	78,4%	53,5%

**iso-candela diagram**



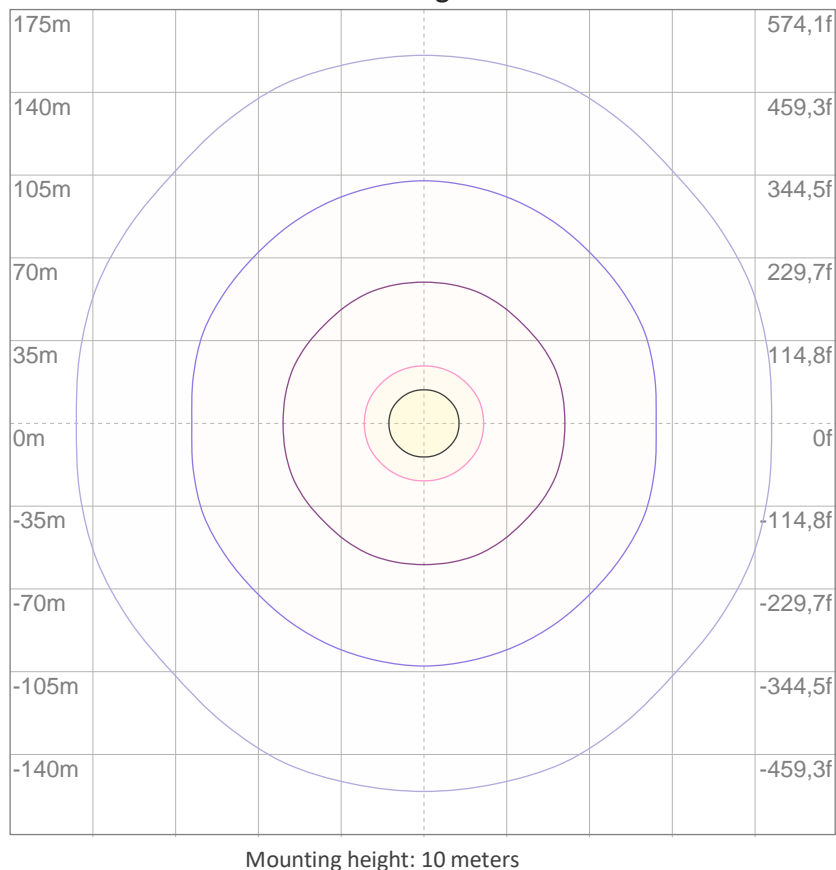
10%	415 cd
20%	831 cd
30%	1246 cd
40%	1662 cd
50%	2077 cd
60%	2493 cd
70%	2908 cd
80%	3323 cd
90%	3739 cd

Conditions:

Number of c-planes: 16

Candela at center: 4154 cd

**iso-lux diagram**



3%	1,25 lx
5%	2,08 lx
10%	4,15 lx
30%	12,5 lx
50%	20,8 lx

Conditions:

Number of c-planes: 16

Lux at center: 41,5 lx

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

**Potência**


**Vttagem: 238 V**  
**Corrente: 0,575 A**  
**Frequência: 0 Hz**  
**FP: 0,95**

**THD**



**THD corrente: n/a**  
**THD tensão: n/a**