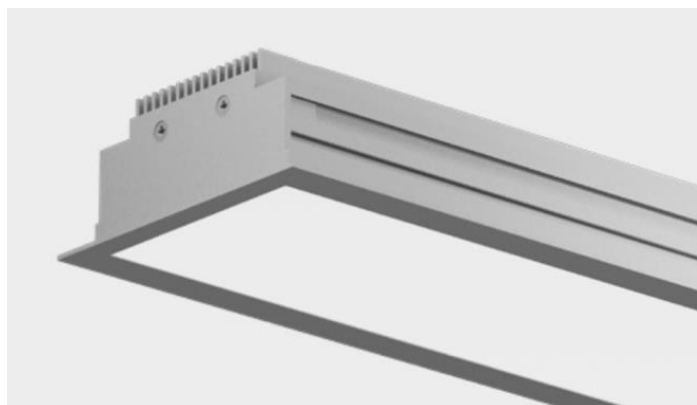


SLED9116 E70 BARRA 2XM80L 45° 3000K 80 400mm



Fluxo luminoso – 3762 lm/m

Potência – 46,0 W/m

Intensidade pico – 1334cd

CCT – 2854K

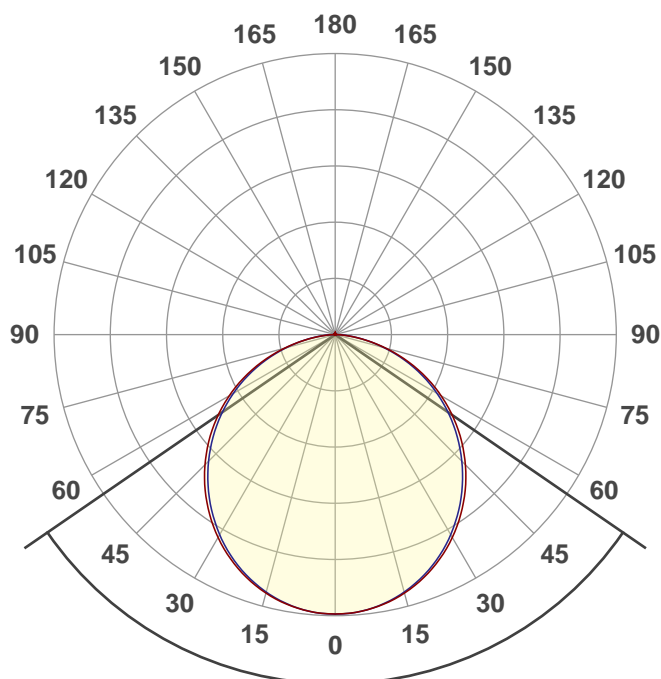


IRC – 83,5

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

Data do ensaio

14/03/2023 11:30:40



Facho de abertura

111°

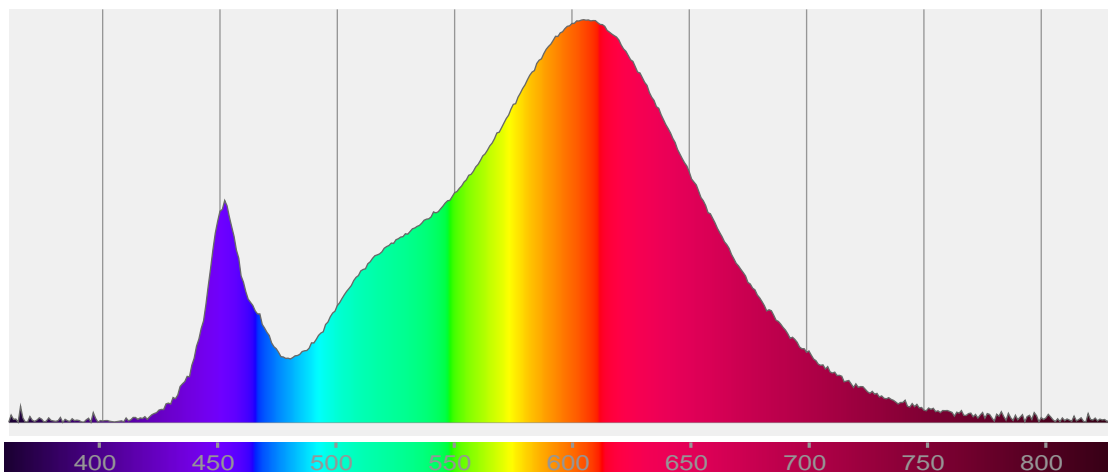
Rf 84,9

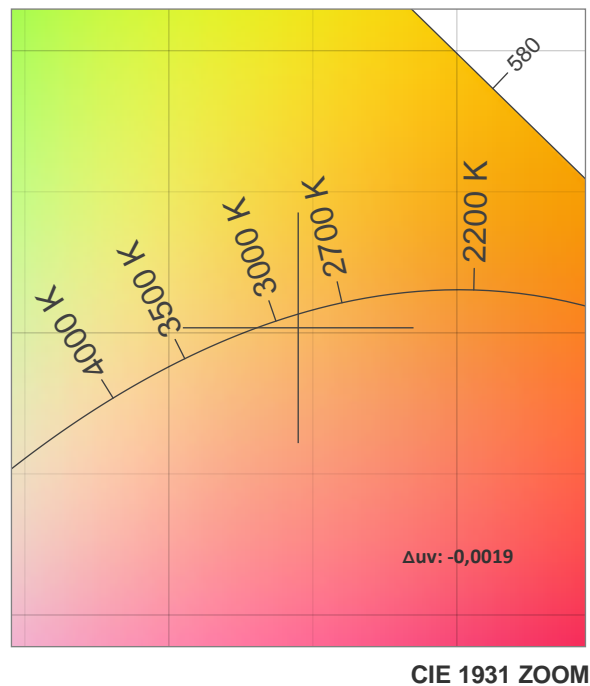
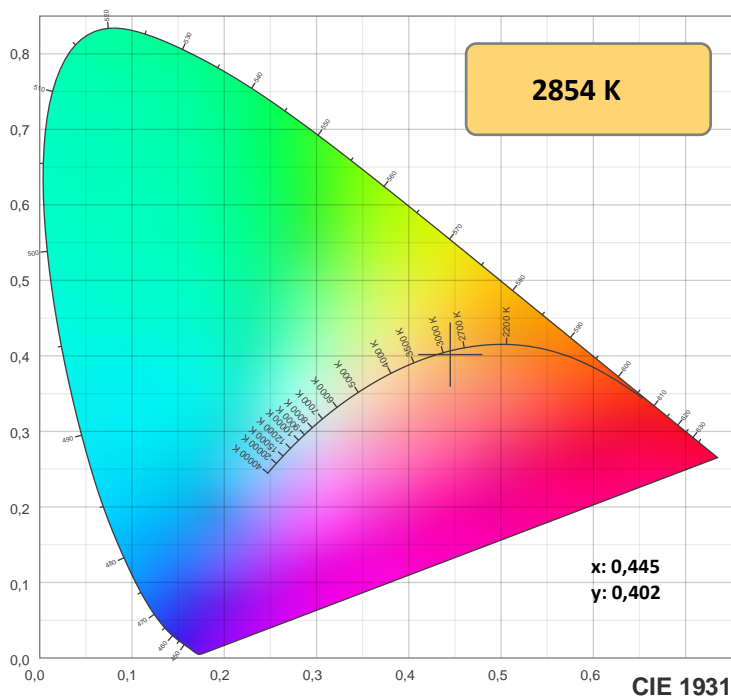
Fidelity index Rf

Rg 97,0

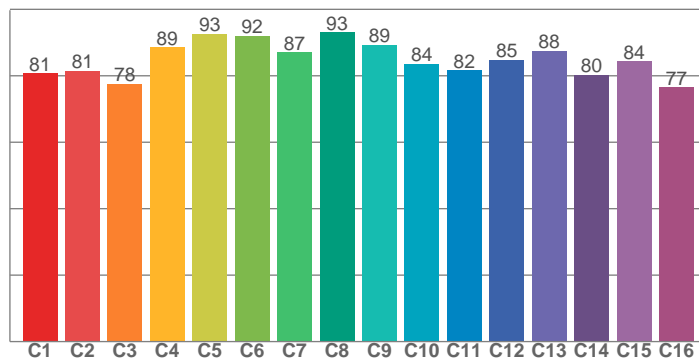
Gamut index Rg

Hue Bin	R _f	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%

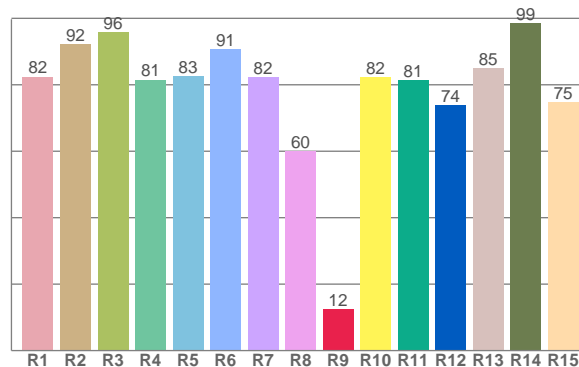




TM-30: 84,9



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

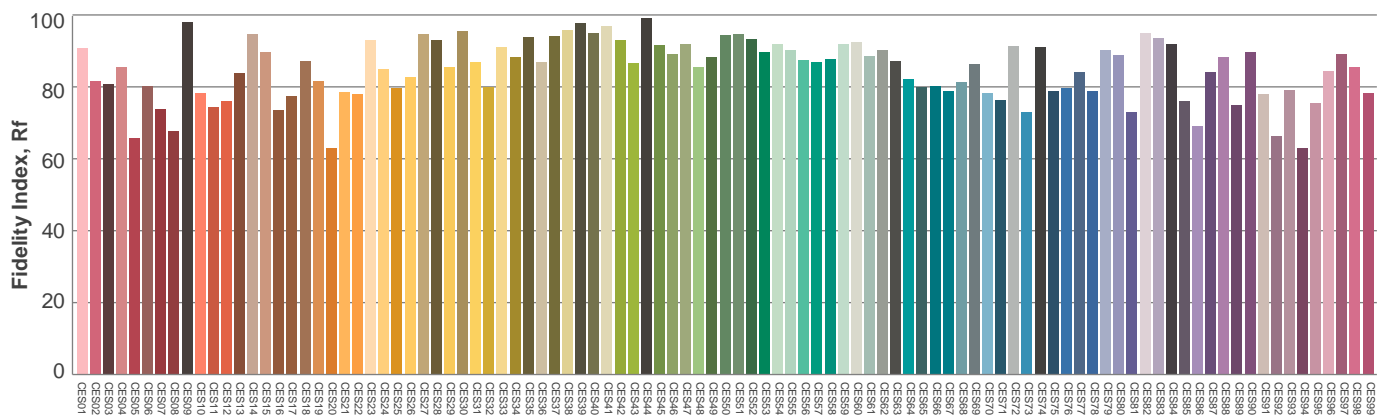
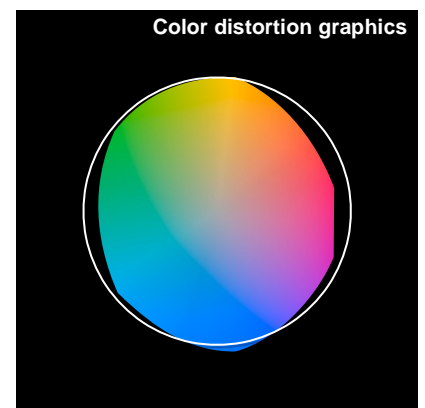
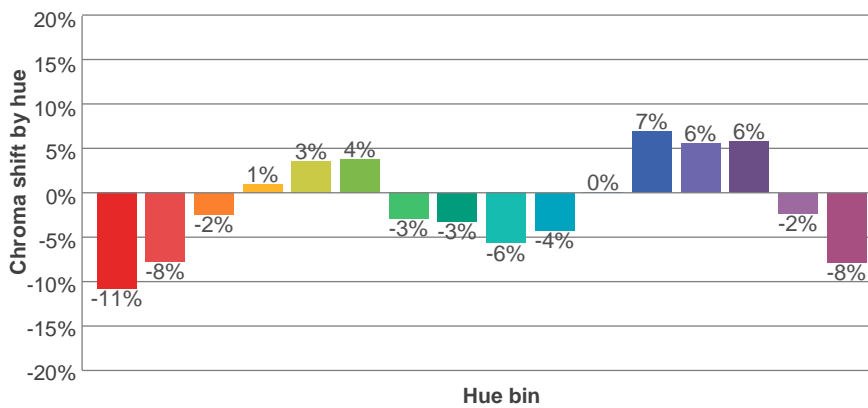
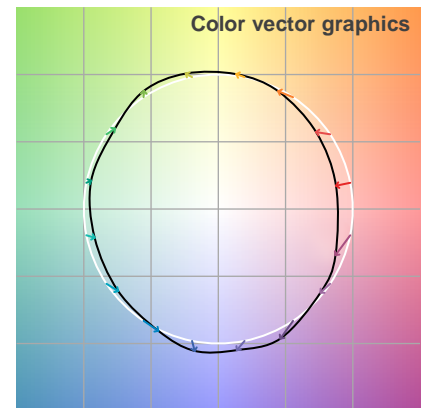
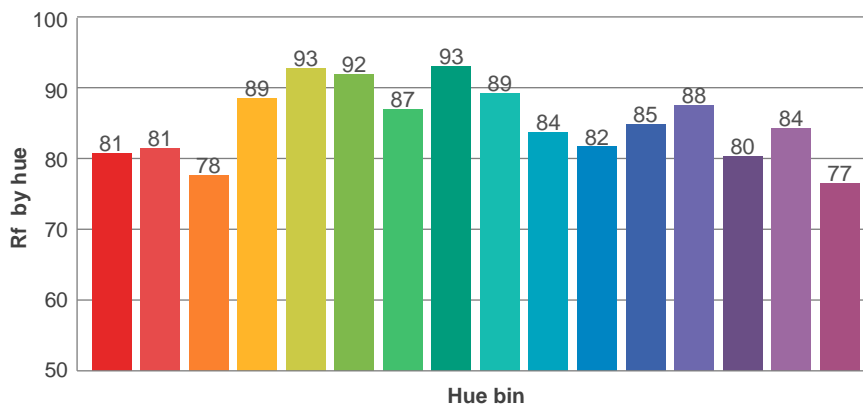
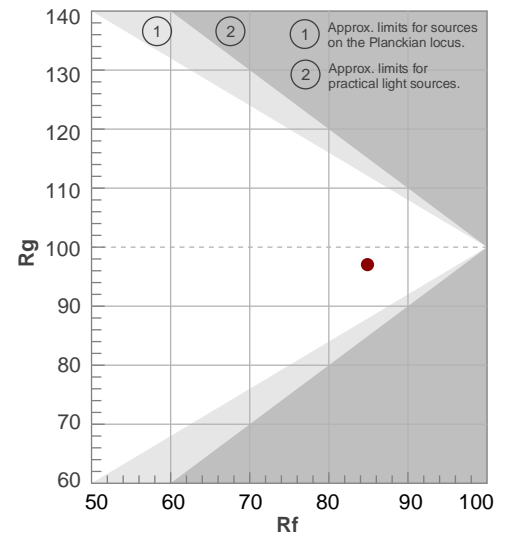
Rf 84,9

Fidelity index Rf

Rg 97,0

Gamut index Rg

Hue Bin	R _f	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

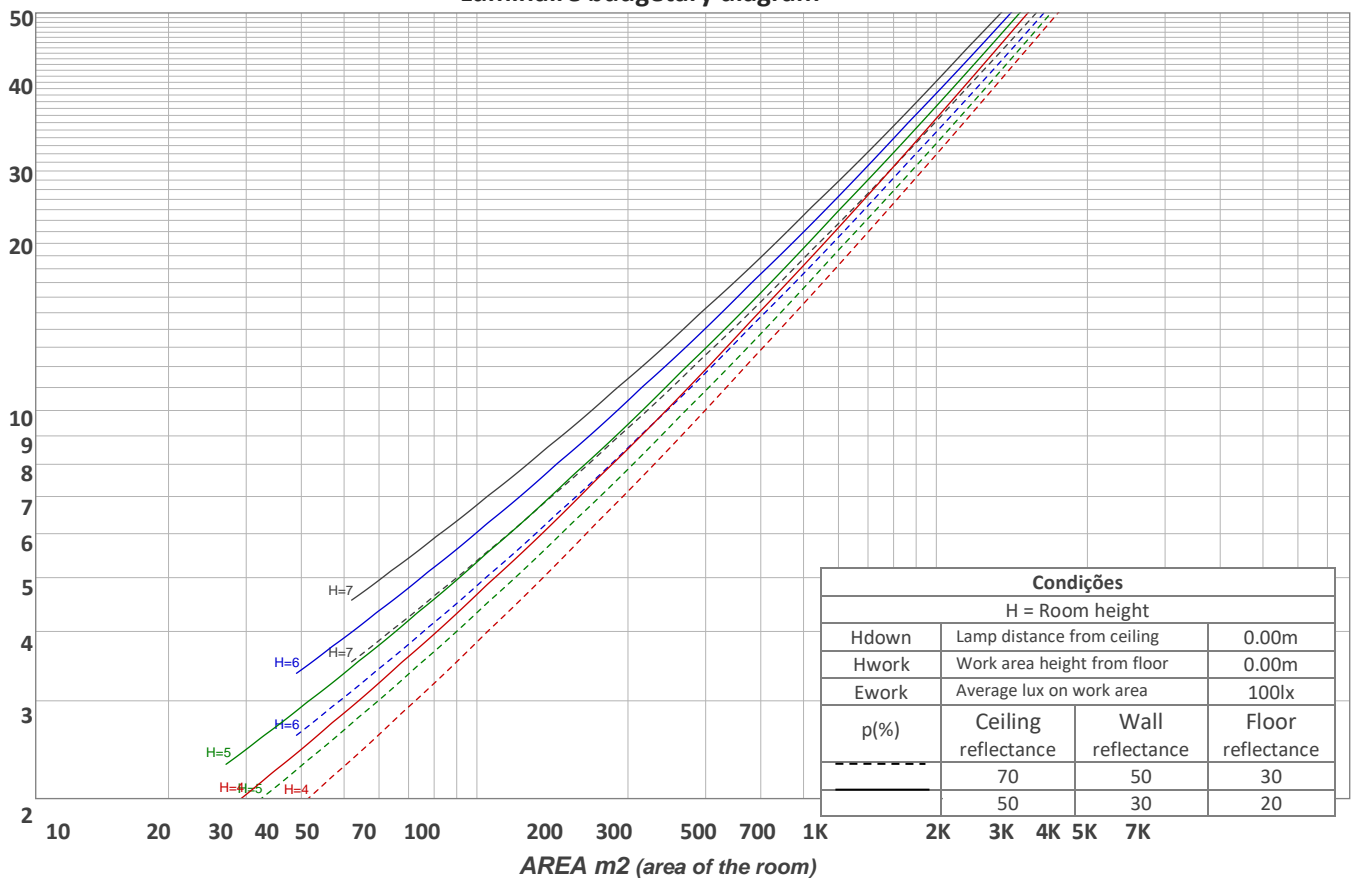
p Ceiling		70	70	50	50	30	70	70	50	50	30
p Walls		50	30	50	30	30	50	30	50	30	30
p Floor		20	20	20	20	20	20	20	20	20	20
Room size X Y		Viewing direction at right angles to lamp axis					Viewing direction parallel to lamp axis				
2H	2H	25,7	26,9	25,9	27,2	27,5	25,5	26,7	25,8	27,1	27,3
	3H	27,2	28,4	27,6	28,7	28,9	27,0	28,2	27,4	28,5	28,7
	4H	27,8	29,0	28,2	29,3	29,6	27,6	28,8	28,0	29,1	29,3
	6H	28,3	29,3	28,6	29,6	30,0	28,1	29,1	28,4	29,4	29,8
	8H	28,4	29,4	28,7	29,7	30,2	28,2	29,2	28,6	29,6	30,0
	12H	28,4	29,4	28,8	29,8	30,2	28,3	29,3	28,7	29,6	30,1
4H	2H	26,3	27,5	26,7	27,8	28,0	26,1	27,3	26,6	27,6	27,9
	3H	28,1	29,1	28,5	29,4	29,9	27,9	28,9	28,3	29,3	29,7
	4H	28,7	29,7	29,2	30,1	30,6	28,6	29,5	29,0	29,9	30,5
	6H	29,3	30,2	29,8	30,5	30,9	29,1	30,0	29,6	30,4	30,7
	8H	29,4	30,2	30,0	30,6	31,0	29,3	30,1	29,8	30,5	30,9
	12H	29,5	30,2	30,0	30,6	31,1	29,4	30,1	29,9	30,5	31,0
8H	4H	29,0	29,8	29,5	30,2	30,6	28,9	29,7	29,4	30,0	30,4
	6H	29,7	30,3	30,2	30,8	31,3	29,6	30,2	30,1	30,6	31,2
	8H	30,0	30,5	30,5	31,0	31,7	29,8	30,4	30,4	30,9	31,5
	12H	30,1	30,6	30,7	31,1	31,7	30,0	30,5	30,6	31,0	31,6
12H	4H	29,0	29,7	29,5	30,1	30,6	28,9	29,5	29,4	30,0	30,5
	6H	29,8	30,3	30,3	30,8	31,5	29,6	30,2	30,2	30,7	31,3
	8H	30,0	30,5	30,6	31,0	31,6	29,9	30,4	30,5	30,9	31,5
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 3762 lm total luminous flux											

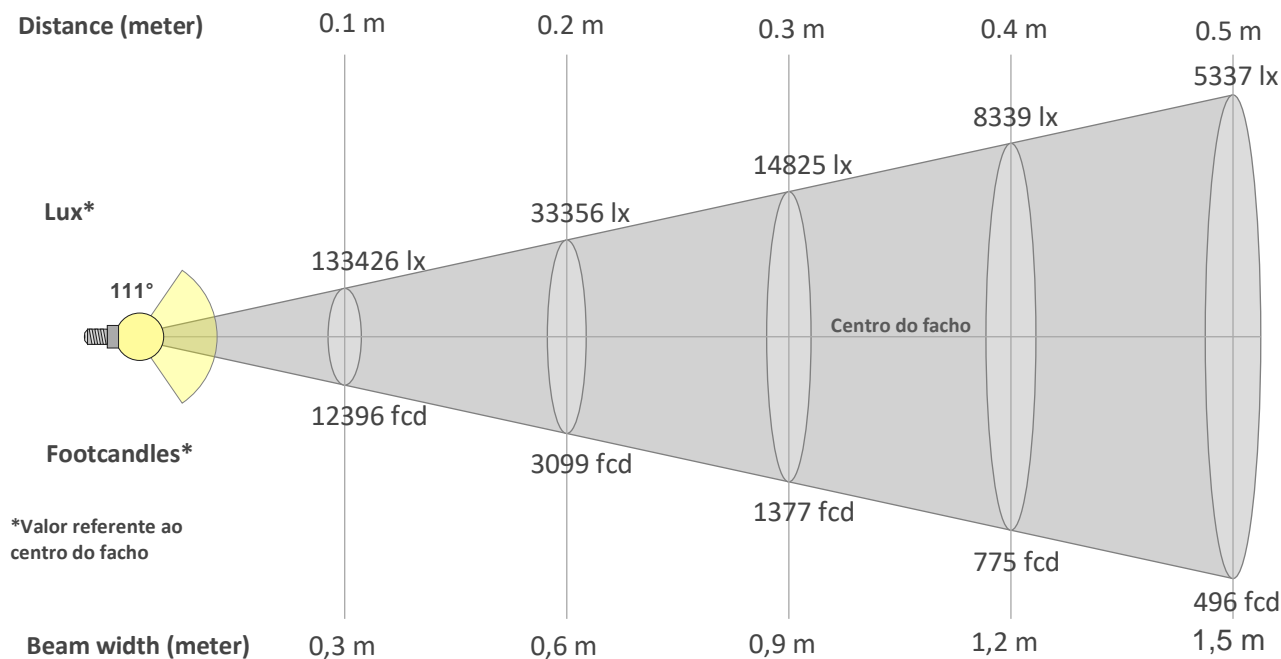
Coeficiente de utilização

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
1334lx	334lx	148lx	83lx	53lx	37lx	27lx	21lx	16lx	13lx	11lx	9lx	8lx	7lx	6lx	5lx	5lx	4lx	4lx	3lx
124fcd	31fcd	13,8fcd	7,7fcd	5fcd	3,4fcd	2,5fcd	1,9fcd	1,5fcd	1,2fcd	1fcd	0,9fcd	0,7fcd	0,6fcd	0,6fcd	0,5fcd	0,4fcd	0,4fcd	0,3fcd	0,3fcd

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°
1334	1328	1309	1278	1235	1182	1119	1046	966	879	787	687	584	476	364	250	143	55	6	2
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°
1334	1328	1307	1273	1227	1170	1103	1027	944	855	761	664	562	456	349	242	143	58	6	2
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

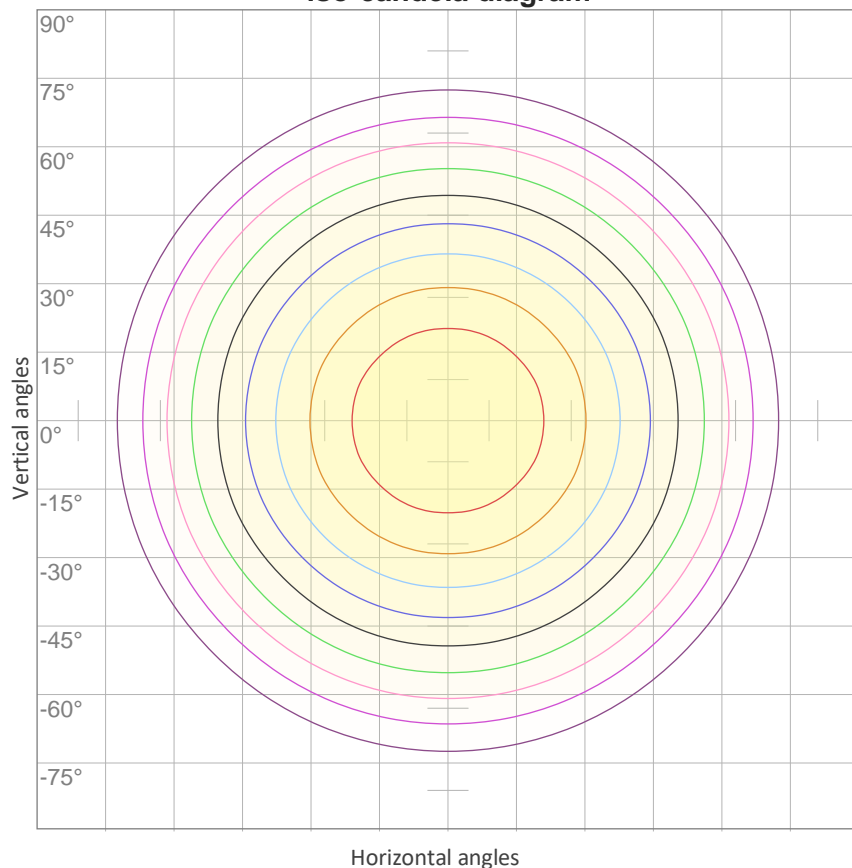
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
1334	1328	1309	1278	1235	1182	1119	1046	966	879	787	687	584	476	364	250	143	55	6	2
100%	100%	98%	96%	93%	89%	84%	78%	72%	66%	59%	52%	44%	36%	27%	19%	11%	4%	0%	0%

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°
1334	1328	1307	1273	1227	1170	1103	1027	944	855	761	664	562	456	349	242	143	58	6	2
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



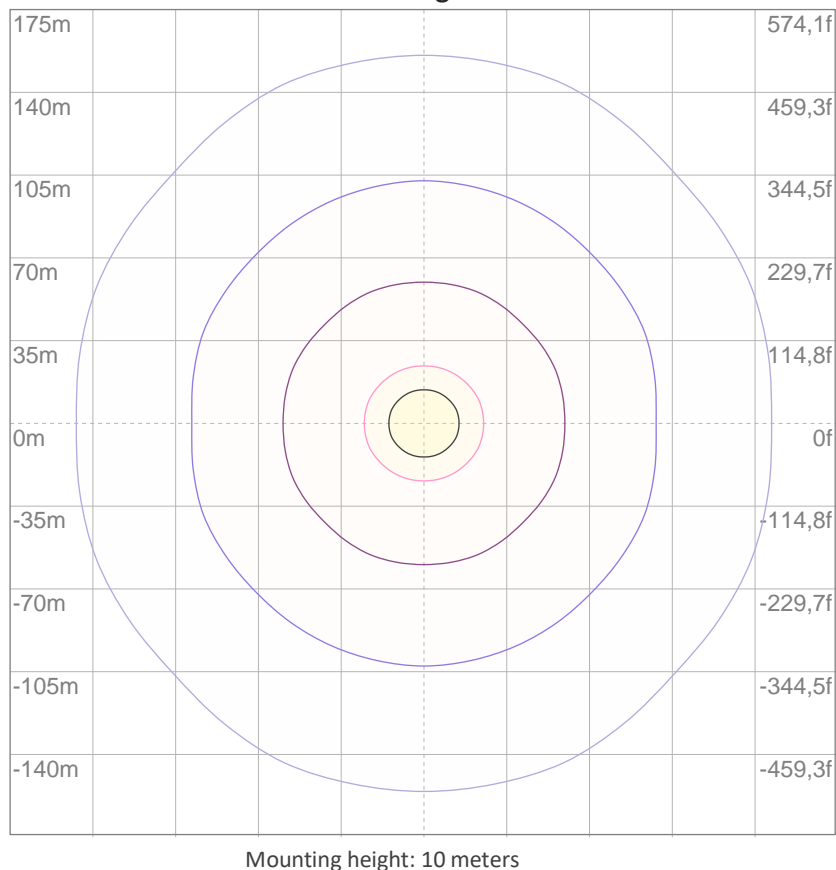
10%	133 cd
20%	267 cd
30%	400 cd
40%	534 cd
50%	667 cd
60%	801 cd
70%	934 cd
80%	1067 cd
90%	1201 cd

Conditions:

Number of c-planes: 16

Candela at center: 1334 cd

iso-lux diagram



3%	0,400 lx
5%	0,667 lx
10%	1,33 lx
30%	4,00 lx
50%	6,67 lx

Conditions:

Number of c-planes: 16

Lux at center: 13,3 lx

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

Potência

Vttagem: 238 V
Corrente: 0,193 A
Frequência: 0 Hz
FP: 0,57

THD



THD corrente: n/a
THD tensão: n/a