

ENEZA SLED9070 BRANCA WW CLUSTER BRANCO 10W 3000K 80



Luminária downlight de embutir em forro de gesso ou Dry-wall com facho de abertura Wall Washer. Corpo em alumínio injetado com acabamento da aba na cor branca e anti ofuscante em plástico injetado com acabamento na cor branca. Refletor metalizado e difusor em acrílico translúcido. Indicado para iluminação de destaque etc.

Fluxo luminoso – 614 lm

Potência – 11,6 W

Intensidade pico – 316cd

CCT – 3052K



IRC – 84,1

Coordenada CIE 1931 – x- 0,433 y- 0,402

A x L x C - 49x45x147

Peso - 0,23kg

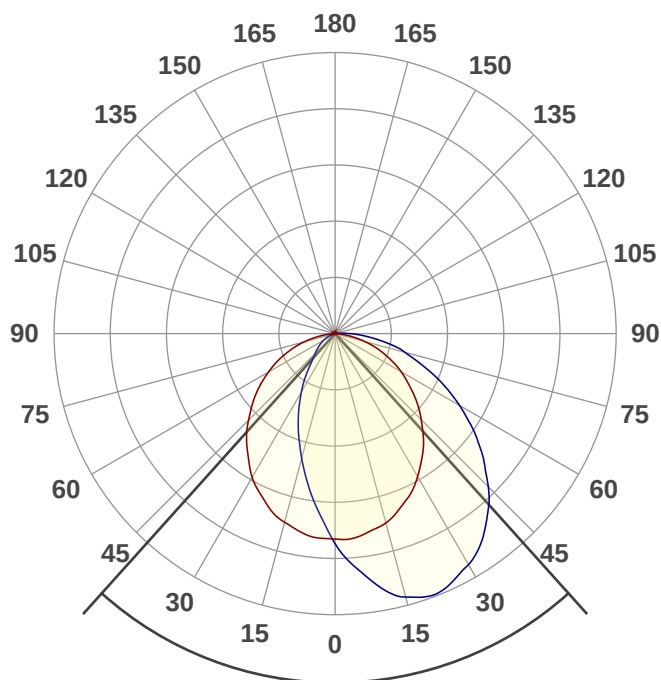
IP - 20 - Uso Interno

IK - 00 – Não aplicável

Alimentação - Tipicamente 220Vac. (verificar)

Data do ensaio

28/01/2021 15:14:14



Facho de abertura

83,9°

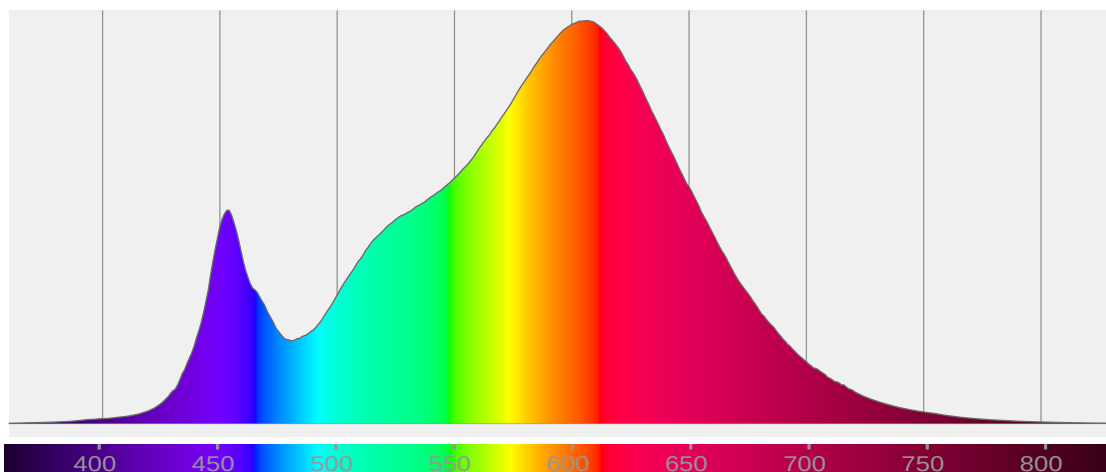
Rf 85,8

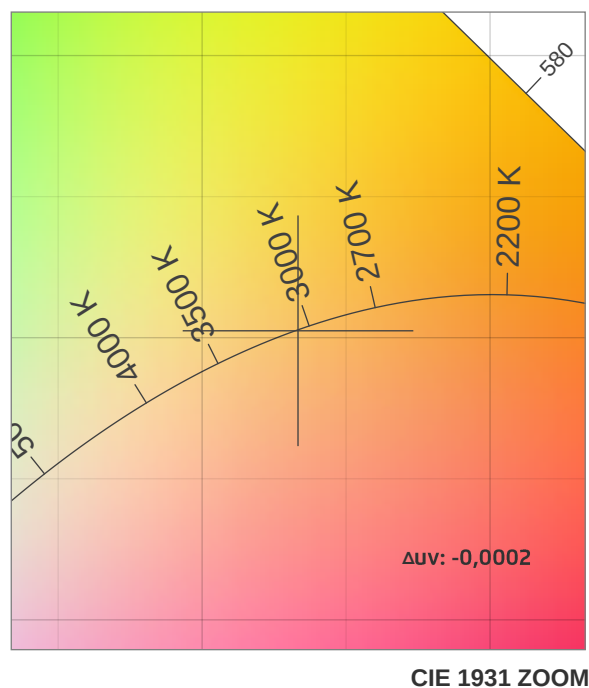
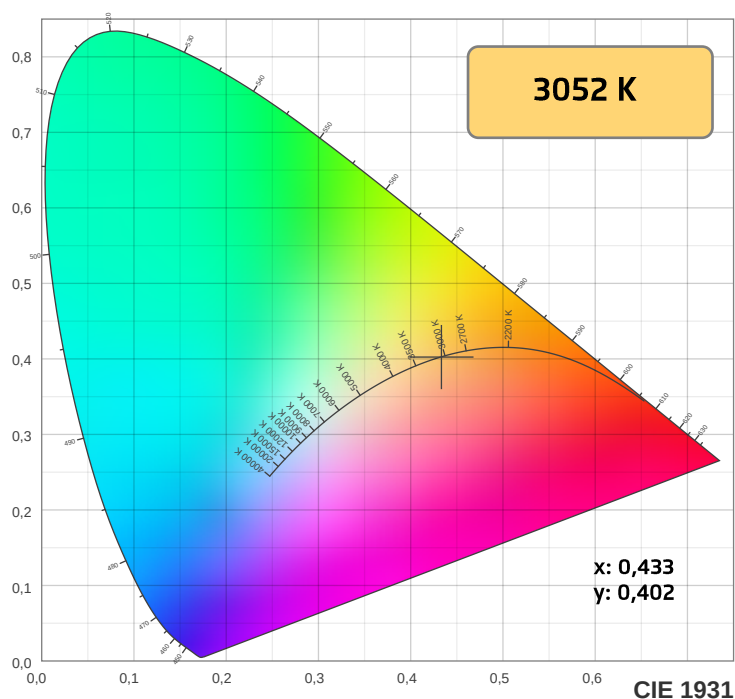
Fidelity index Rf

Rg 95,9

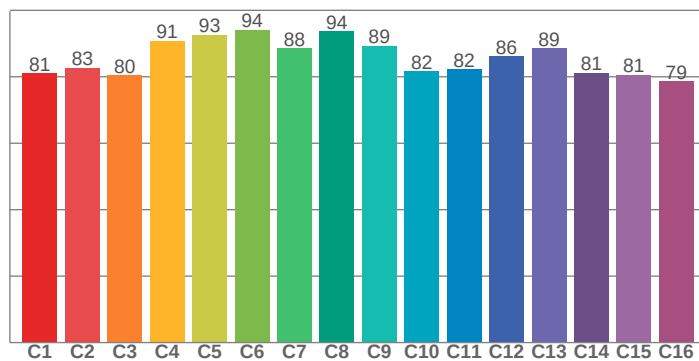
Gamut index Rg

Hue Bin	R _f	Shifts (%)	
		Chroma	Hue
1	81	-11%	0%
2	83	-8%	6%
3	80	-3%	10%
4	91	0%	6%
5	93	0%	3%
6	94	2%	-2%
7	88	-4%	-5%
8	94	-3%	-1%
9	89	-5%	5%
10	82	-4%	10%
11	82	0%	13%
12	86	6%	3%
13	89	4%	-7%
14	81	5%	-15%
15	81	-3%	-12%
16	79	-7%	-15%

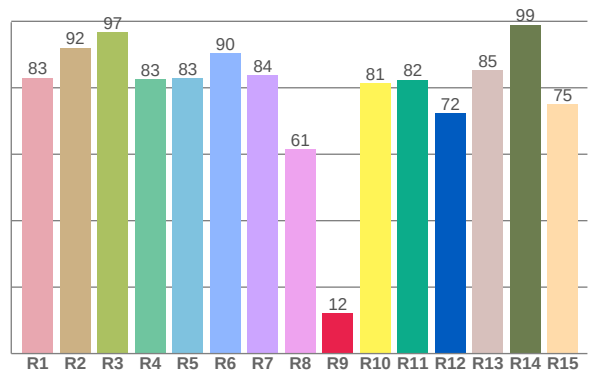




TM-30: 85,8



CRI: 84,1 (R1-R8)



CRiRa R1-R8 / CRiRe R1-R15

R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83,0	92,0	96,7	82,6	83,0	90,4	83,7	61,5	12,1	81,4	82,4	72,4	85,3	99,0	75,0

TM30 valores C. 16 valores extraídos dos 99.

C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	C15	C16
81,0	82,7	80,5	90,8	92,6	94,1	88,5	93,7	89,3	81,6	82,3	86,1	88,5	81,2	80,6	78,6

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 divition from black body
CCT	IRC	CRI R9	TM30 Rf	TM30 Rg	CQS	x	y	u	v	Δuv
3052 K	84,1	12,1	85,8	95,9	83,1	0,433	0,402	0,249	0,347	-0,0002

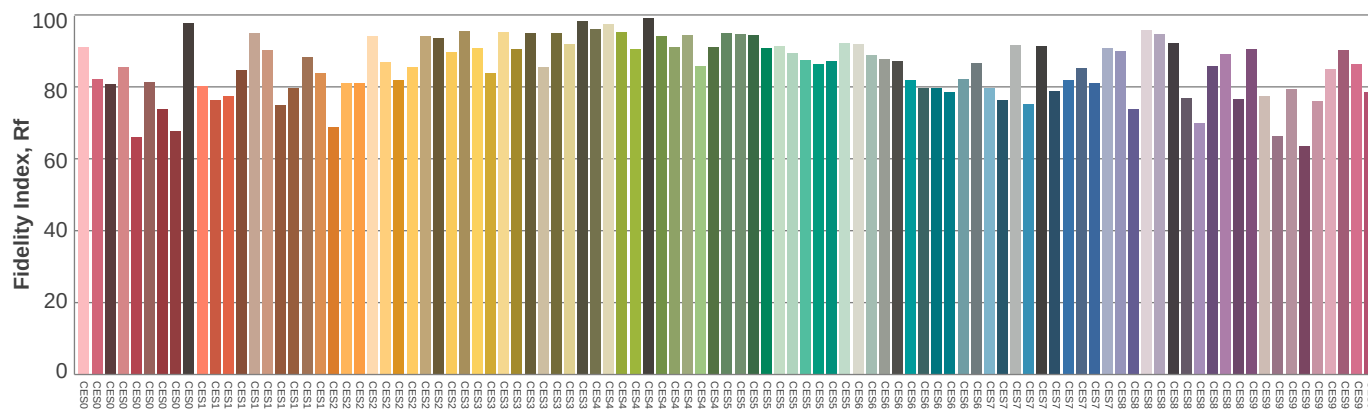
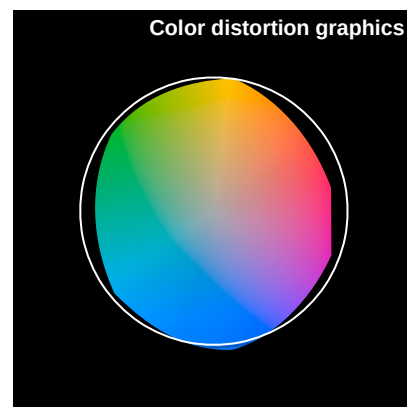
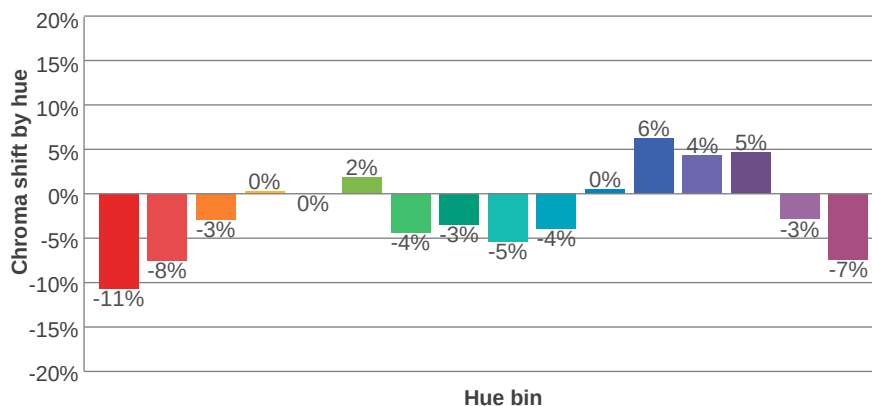
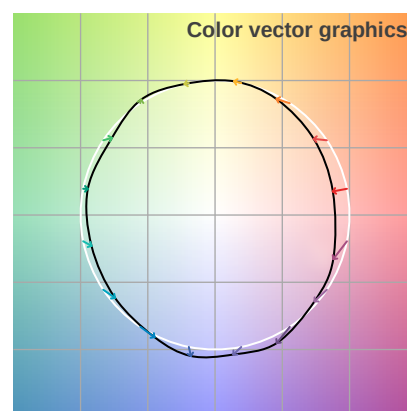
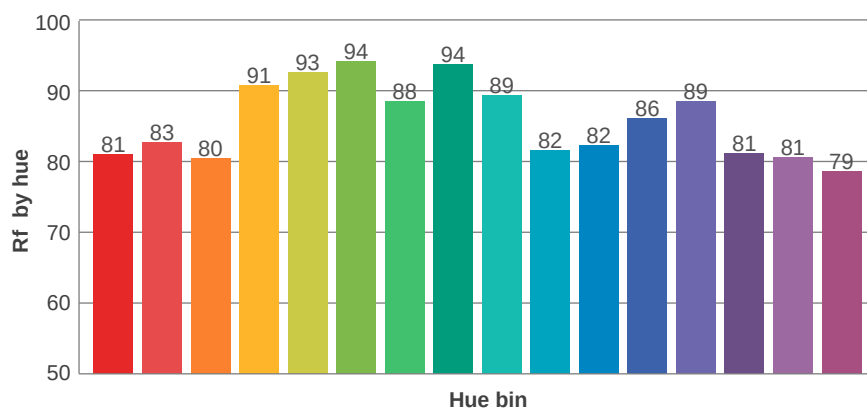
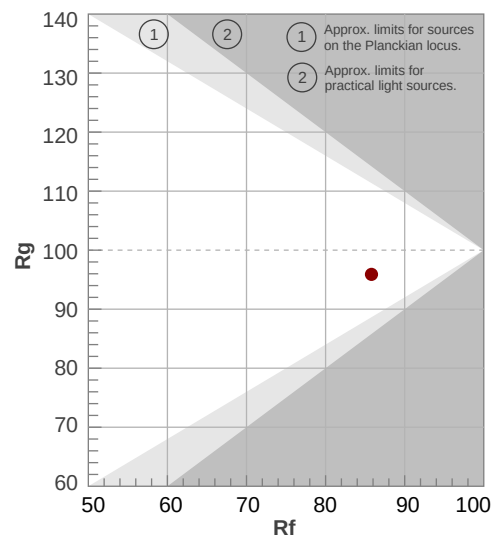
Rf 85,8

Fidelity index Rf

Rg 95,9

Gamut index Rg

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8	94	-3%	-1%
9	89	-5%	5%
10	82	-4%	10%
11	82	0%	13%
12	86	6%	3%
13	89	4%	-7%
14	81	5%	-15%
15	81	-3%	-12%
16	79	-7%	-15%



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				
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Variation of the observer position for the luminaire distance S										
n/a	n/a					n/a				
n/a	n/a					n/a				
n/a	n/a					n/a				
Standard table	n/a					n/a				
Correction summand	n/a					n/a				
Corrected glare indices referring to 614 lm total luminous flux										

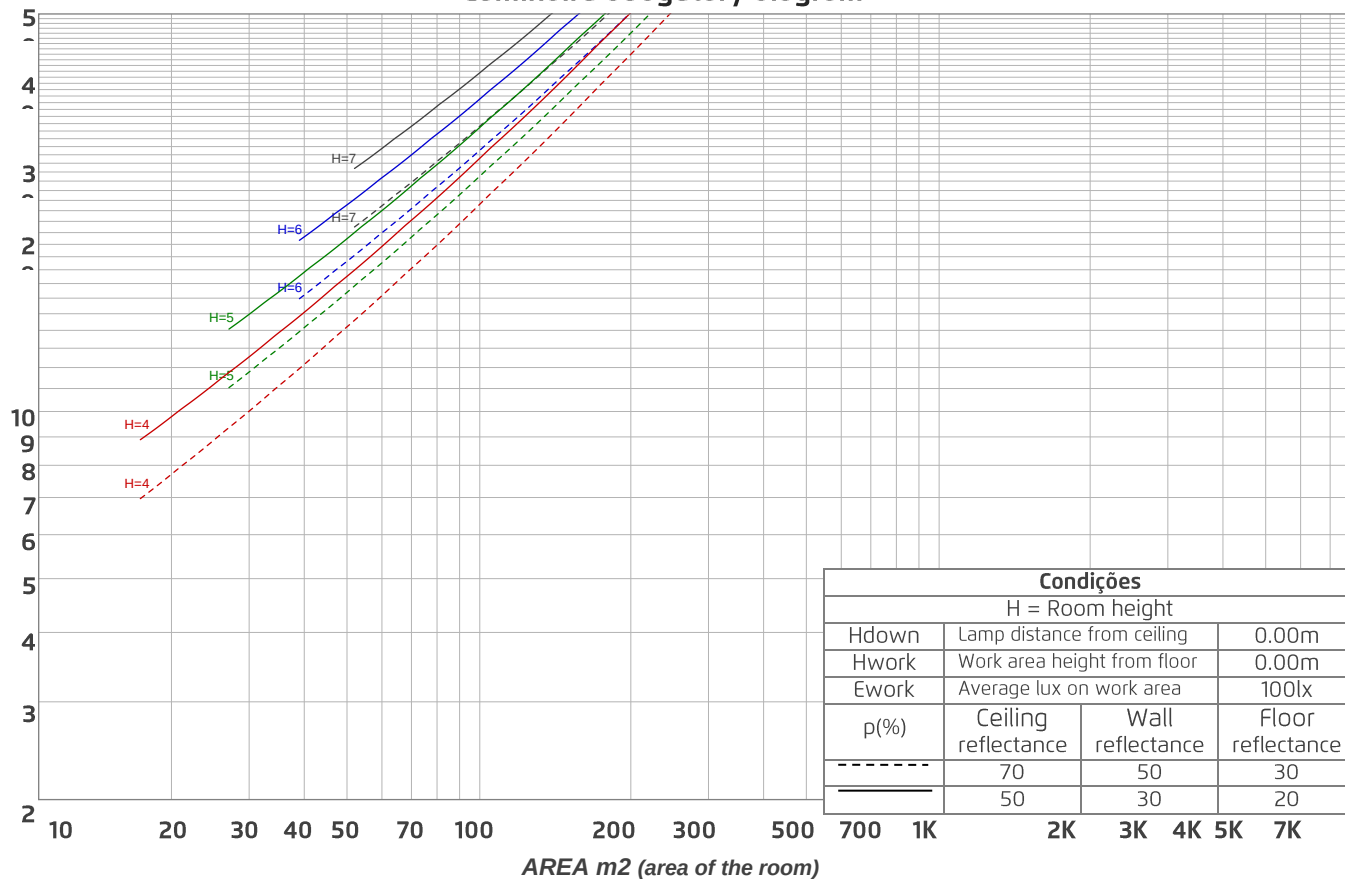
UGR data could not be calculated due to missing/wrong symmetry. Goto Edit->Photometric->Corrections and select Correct asymmetry.

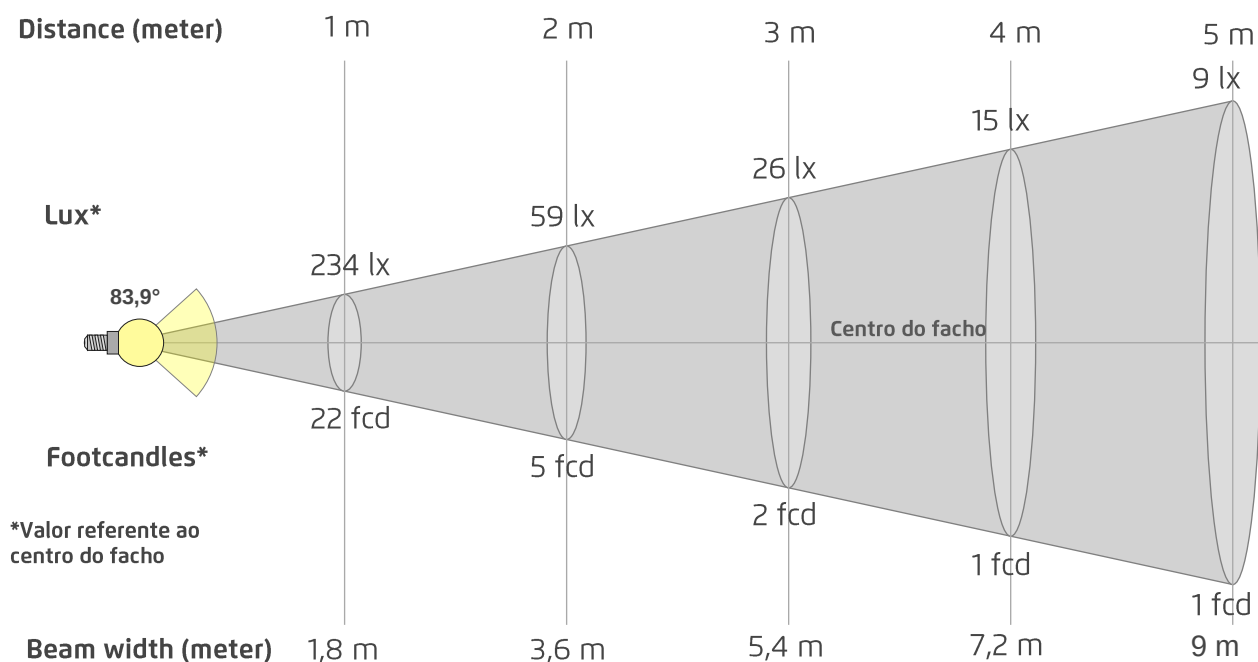
Coeficiente de utilização

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	97	94	97	94	91	93	90	88	89	87	85	83
2	99	91	84	78	96	89	83	77	85	80	75	82	77	73	78	75	72	69
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59
4	83	71	62	56	81	70	62	55	67	60	54	65	58	54	62	57	53	51
5	76	64	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	45	41	39
7	66	52	44	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34
8	61	48	39	34	59	47	39	33	46	38	33	44	38	33	43	37	33	31
9	57	44	36	30	56	43	35	30	42	35	30	41	34	30	40	34	30	28
10	54	41	33	28	52	40	32	27	39	32	27	38	32	27	37	31	27	25

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
234lx	59lx	26lx	15lx	9lx	7lx	5lx	4lx	3lx	2lx	2lx	2lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx	1lx
21,8fcd	5,4fcd	2,4fcd	1,4fcd	0,9fcd	0,6fcd	0,4fcd	0,3fcd	0,3fcd	0,2fcd	0,2fcd	0,2fcd	0,1fcd	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°
234	233	227	222	212	201	187	172	156	138	121	103	86	69	52	35	19	6	0	0
100%	99%	97%	95%	90%	86%	80%	73%	66%	59%	52%	44%	37%	29%	22%	15%	8%	2%	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°
234	266	291	309	316	311	302	288	268	245	219	192	163	134	106	82	59	36	17	5
100%	113%	124%	132%	135%	133%	129%	123%	115%	105%	94%	82%	69%	57%	45%	35%	25%	15%	7%	2%

Intensities in 180° c-plane

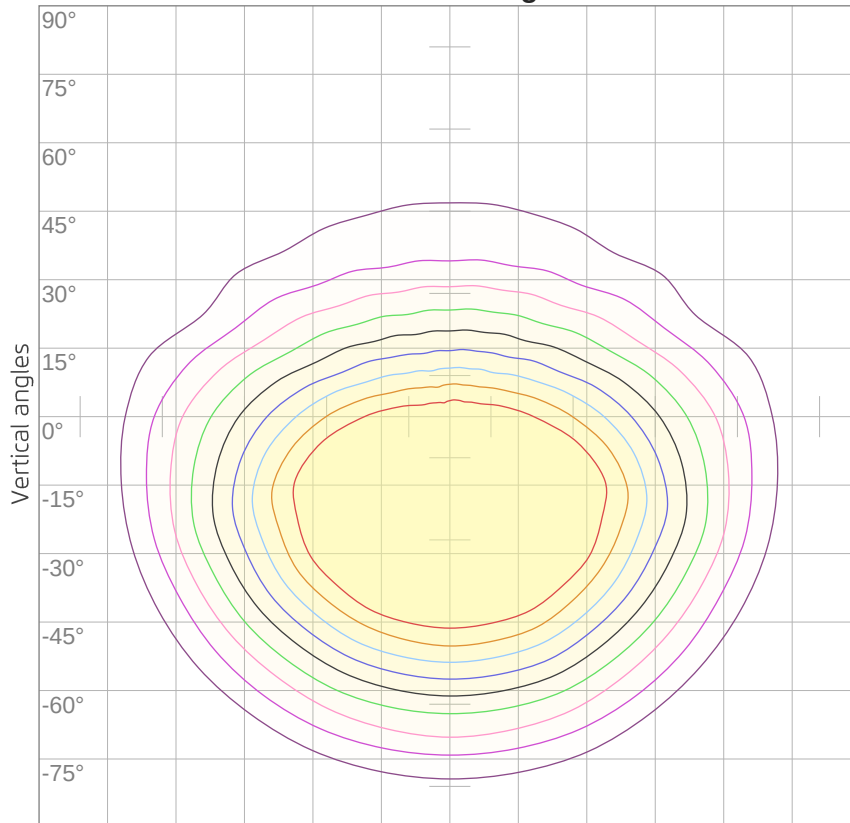
0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°
234	232	228	221	213	200	188	171	156	139	122	105	87	70	53	37	20	7	1	0
100%	99%	97%	94%	91%	86%	80%	73%	67%	59%	52%	45%	37%	30%	23%	16%	9%	3%	0%	0%

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°
234	204	175	146	121	98	76	57	41	32	26	20	15	10	6	2	0	0	0	0
100%	87%	75%	62%	52%	42%	33%	25%	17%	14%	11%	9%	6%	4%	2%	1%	0%	0%	0%	0%

Beam angle 50%	Field angle 10%	Cutoff angle 2,5%	Intensity ratio in 120° cone	Intensity ratio in 90° cone
83,9°	140,5°	164,2°	79,0%	55,6%

iso-candela diagram



Horizontal angles

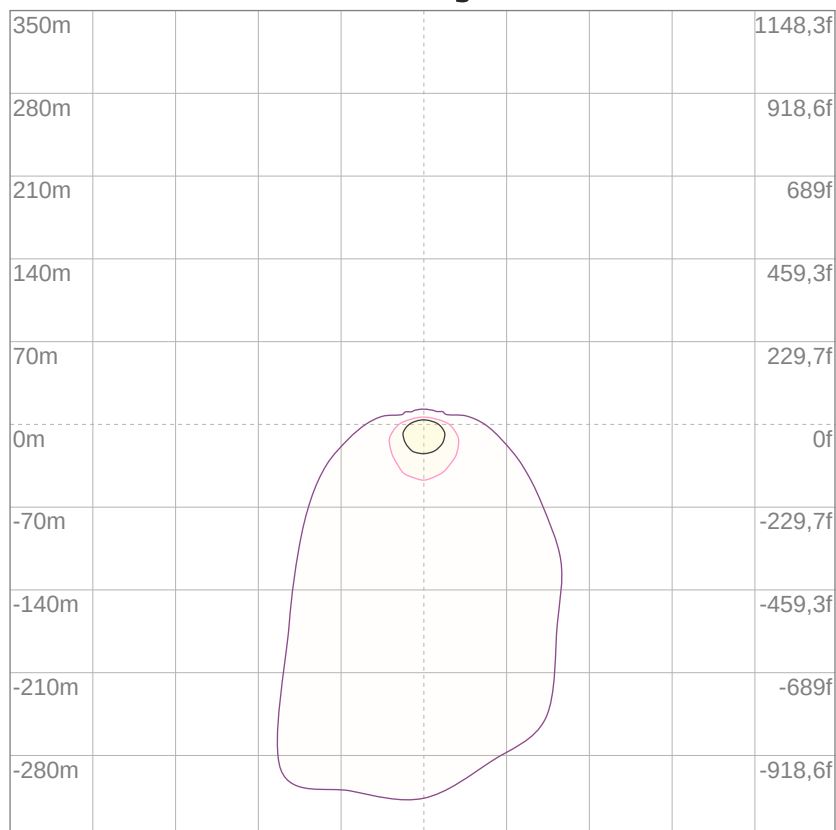
10%	23 cd
20%	47 cd
30%	70 cd
40%	94 cd
50%	117 cd
60%	141 cd
70%	164 cd
80%	187 cd
90%	211 cd

Conditions:

Number of c-planes: 16

Candela at center: 234 cd

iso-lux diagram



Mounting height: 10 meters

3%	70,3m lx
5%	0,117 lx
10%	0,234 lx
30%	0,703 lx
50%	1,17 lx

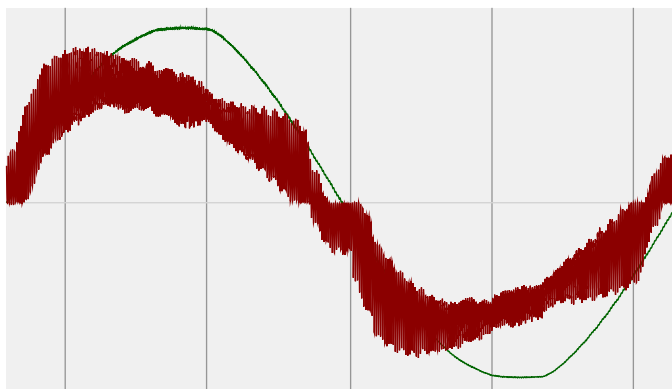
Conditions:

Number of c-planes: 16

Lux at center: 2,34 lx

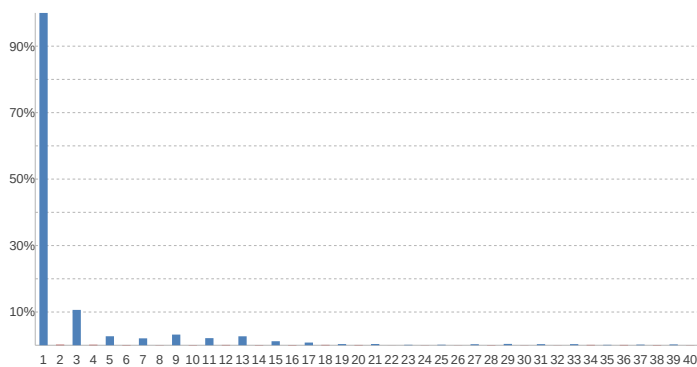
*Lux distribution on a surface
when lamp is mounted at 10
meters from the surface.*

Potência



Voltagem: 228 V
Corrente: 0,055 A
Frequência: 60 Hz
FP: 0,93

THD



THD corrente: 12,25
THD tensão: 1,58