Luminaire

Code	12801328375
Name	Vuota M/30
Line	

Measurem.

Code	CL092A25D022GP
Name	Vuota M/30

Source Data

Code	Cree JB2835BWT-G-U22EA0000	Cree JB2835BWT-G-U22EA0000	Correlated Color Temperature (CCT)	2439K	Q.ty 1
Name	CREE LED		Color rendering index (CRI)	93	
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Asymmetrical
Date	13-11-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	439.0 lm
Maximum	511.10 cd/klm	Position	C=180.0° G=2.5°
Remarks	RM25110603		

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	10.81 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

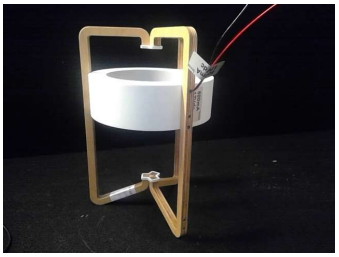
Temperature	24.7 °C	Air Speed	0.0 m/s
Humidity	43.0 %		

Luminaire Dimensions

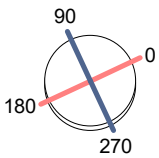
Round Luminaire	Diam.	190 mm	Height	60 mm	
Round Luminous Area	Diam.	190 mm	Height	60 mm	
Horizontal Luminous Area	0.028353 m2		Emitting area on Plane 180°	0.011400 m2	
Emitting area on Plane 0°	0.011400 m2		Emitting area on Plane 270°	0.011400 m2	
Emitting area on Plane 90°	0.011400 m2		Glare area at 76°	0.017921 m2	

Photometric Assessment

Luminaire Flux	439.0 lm	Source Flux	439.0 lm
Efficacy	40.608 lm/W	Efficiency	100.0 %
CIE Flux Codes	50 79 95 93 100	D DIN 5040	A31
F UTE	0.93 E + 0.07 T	B NBN	BZ 4

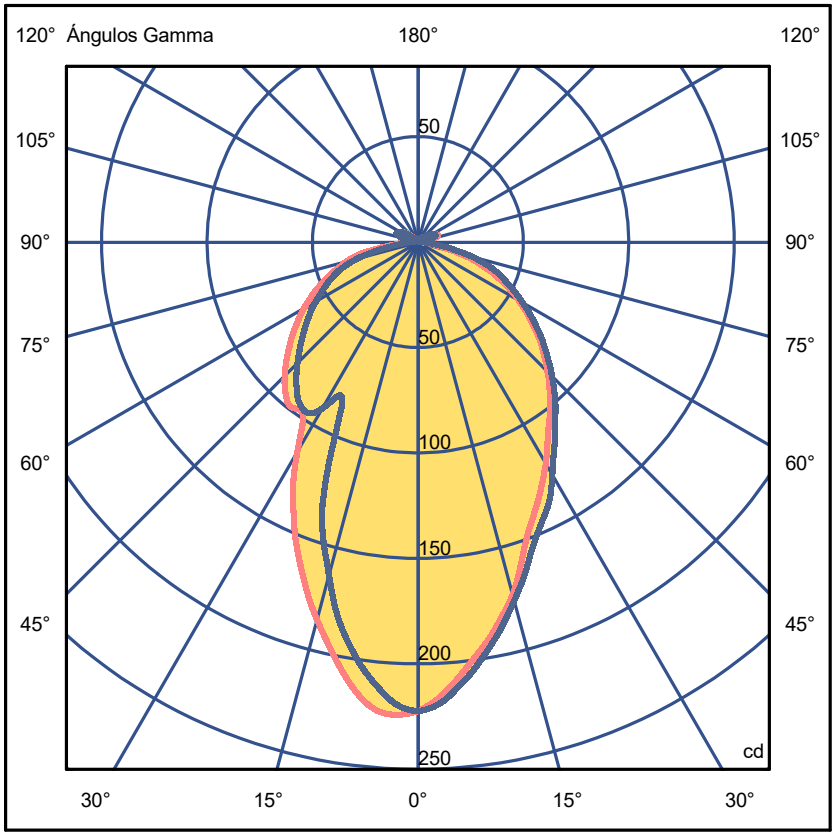


Diam=190mm





ULOR 6.85 %
DLOR 93.15 %
RN 6.85 %



Luminaire
Code 12801328375
Name Vuota M/30
Measurem.
Code CL092A25D022GP
Name Vuota M/30

Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Luminous Intensity Table cd **Table 1/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00
G 0.0	223	223	223	223	223	223	223	223	223	223	223	223	223
G 2.5	217	217	218	219	219	219	219	220	220	221	221	222	224
G 5.0	209	210	212	212	212	212	212	214	215	217	218	219	223
G 7.5	200	201	203	202	202	202	204	206	209	211	212	212	217
G 10.0	192	192	192	190	189	191	195	199	201	202	204	202	207
G 12.5	182	183	182	176	174	180	186	190	192	193	194	189	196
G 15.0	173	174	172	161	161	171	176	180	182	184	183	175	185
G 17.5	161	159	155	143	149	161	167	170	173	175	172	159	175
G 20.0	150	146	136	120	133	151	157	160	164	164	160	144	163
G 22.5	142	138	120	91	109	140	149	153	152	149	142	125	152
G 25.0	135	130	101	84	91	131	142	145	142	139	126	98	140
G 27.5	128	122	94	97	85	123	136	139	135	132	111	80	128
G 30.0	121	114	100	103	93	114	127	132	128	124	96	86	114
G 32.5	114	109	101	103	97	109	120	125	122	117	92	96	102
G 35.0	108	106	99	101	95	107	113	118	115	111	97	99	97
G 37.5	103	101	95	97	92	105	107	112	109	106	97	98	99
G 40.0	98	96	91	92	89	100	101	106	103	101	94	95	97
G 42.5	92	90	85	87	84	96	96	99	97	96	90	90	94
G 45.0	87	85	80	82	80	90	90	93	92	91	85	86	89
G 47.5	82	79	76	78	76	84	84	87	87	86	80	82	85
G 50.0	77	74	71	73	71	79	79	81	81	80	76	77	80
G 52.5	71	69	66	69	67	73	73	76	76	75	71	73	76
G 55.0	66	64	62	65	62	68	68	70	71	70	67	69	71
G 57.5	61	59	57	60	58	63	63	65	66	65	62	65	67
G 60.0	55	54	53	56	54	58	57	60	61	60	58	61	62
G 62.5	50	49	49	51	49	52	52	55	56	55	54	57	58
G 65.0	44	43	45	47	44	47	48	50	50	50	50	53	53
G 67.5	39	38	41	42	40	41	43	45	45	45	46	49	48
G 70.0	33	33	36	37	35	36	38	40	40	39	42	44	44
G 72.5	27	28	30	31	30	30	33	34	34	34	39	40	39
G 75.0	20	21	23	24	25	25	27	29	28	29	33	34	35
G 77.5	14	15	16	17	18	18	19	21	22	24	26	28	30
G 80.0	10	10	11	12	12	12	14	14	15	15	17	18	24
G 82.5	6	6	7	8	8	8	9	10	10	11	12	13	16
G 85.0	4	4	4	5	5	5	6	6	7	7	8	9	11
G 87.5	2	2	2	2	3	3	3	4	4	4	5	5	7
G 90.0	2	2	2	2	2	1	2	2	2	2	2	3	4
G 92.5	2	2	2	2	2	2	2	2	2	2	2	2	2
G 95.0	3	3	3	2	2	2	2	2	2	2	2	2	2
G 97.5	4	3	3	3	3	2	2	2	2	2	2	2	2
G100.0	6	6	5	5	4	4	3	3	3	3	3	2	2
G102.5	7	8	8	7	7	6	5	4	5	5	4	4	3
G105.0	9	9	9	9	9	7	7	6	6	7	7	6	5
G107.5	10	10	11	11	10	9	8	7	8	8	8	8	7
G110.0	10	11	11	11	11	10	9	8	9	9	10	10	9
G112.5	10	10	11	11	11	9	9	9	9	10	11	11	10
G115.0	9	9	10	11	10	9	9	9	9	9	10	11	11
G117.5	8	9	10	10	10	8	9	8	9	9	10	10	10
G120.0	7	7	9	9	9	8	8	8	8	8	9	10	10
G122.5	6	6	7	8	7	7	7	7	7	8	8	9	9
G125.0	5	5	6	6	6	5	6	6	6	7	8	8	8
G127.5	5	4	5	5	4	5	5	5	6	5	6	7	7
G130.0	4	4	4	4	3	4	4	4	5	4	5	6	6
G132.5	4	4	3	3	3	4	4	4	4	4	4	4	4
G135.0	3	3	3	2	3	3	3	3	4	4	3	3	4
G137.5	3	2	2	2	3	3	3	3	3	3	2	2	3
G140.0	2	2	2	2	2	3	2	2	2	2	2	2	3
G142.5	2	2	2	2	2	2	2	2	2	2	2	2	2
G145.0	2	2	2	2	2	2	1	1	2	2	2	2	2
G147.5	2	2	2	2	2	1	1	1	1	2	2	2	2
G150.0	2	2	2	2	2	1	1	1	1	2	2	2	2
G152.5	2	2	2	2	2	1	1	1	1	2	2	2	2
G155.0	2	2	2	2	1	1	1	1	1	2	2	2	2
G157.5	2	2	2	2	2	1	1	1	2	2	2	2	2
G160.0	2	2	2	2	2	2	1	1	2	2	2	2	2
G162.5	2	2	2	2	2	2	2	2	2	2	2	2	2
G165.0	2	2	2	2	2	2	2	2	2	2	2	2	2
G167.5	1	1	2	2	2	2	2	2	2	2	2	2	2
G170.0	1	1	1	2	2	2	2	2	2	1	1	1	1
G172.5	0	0	1	1	1	1	1	1	1	1	1	1	1
G175.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire
Code 12801328375
Name Vuota M/30
Measurem.
Code CL092A25D022GP
Name Vuota M/30

Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

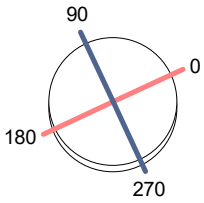
Luminous Intensity Table cd **Table 2/2**

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	223	223	223	223	223	223	223	223	223	223	223
G 2.5	224	223	222	221	220	220	219	219	220	220	219
G 5.0	223	222	220	217	214	212	211	212	212	212	212
G 7.5	217	216	214	211	206	203	202	203	203	204	203
G 10.0	207	207	206	202	197	192	192	193	195	195	195
G 12.5	198	198	195	192	186	179	179	183	185	186	186
G 15.0	188	187	185	182	174	163	166	173	175	176	176
G 17.5	177	175	175	172	165	149	153	163	165	166	167
G 20.0	166	164	164	161	151	132	138	152	156	157	157
G 22.5	154	154	153	147	134	107	113	140	148	150	148
G 25.0	146	147	142	137	125	85	89	129	139	144	141
G 27.5	138	139	135	130	114	82	85	114	131	138	134
G 30.0	130	134	128	122	102	91	94	104	123	131	128
G 32.5	122	128	122	117	98	96	99	103	115	123	121
G 35.0	115	121	116	111	100	96	99	102	109	116	114
G 37.5	109	114	110	107	98	94	96	98	106	108	108
G 40.0	104	107	104	102	95	90	92	94	101	102	102
G 42.5	100	101	99	97	91	85	88	90	96	96	95
G 45.0	95	95	93	92	86	81	83	84	90	90	90
G 47.5	89	89	87	87	81	76	79	80	84	84	84
G 50.0	84	83	82	82	76	72	74	75	79	78	78
G 52.5	79	78	77	77	71	68	70	70	74	72	73
G 55.0	74	72	72	72	66	64	66	65	69	67	67
G 57.5	69	67	66	67	61	60	62	61	64	62	62
G 60.0	64	62	61	62	57	56	57	56	58	57	57
G 62.5	59	57	57	57	52	52	53	51	53	52	52
G 65.0	54	52	52	51	48	48	49	46	48	48	47
G 67.5	49	48	47	46	43	44	44	42	43	43	43
G 70.0	44	44	42	41	38	40	40	38	37	38	37
G 72.5	39	39	37	35	33	35	35	33	32	33	32
G 75.0	34	33	32	29	29	30	29	28	27	25	25
G 77.5	28	28	26	24	23	22	21	21	19	18	17
G 80.0	22	19	18	17	16	16	15	15	13	13	12
G 82.5	14	14	13	12	11	11	10	10	9	9	8
G 85.0	10	10	9	8	8	7	7	6	5	5	5
G 87.5	7	6	6	5	5	4	4	4	3	3	2
G 90.0	4	3	3	3	2	2	2	2	1	2	2
G 92.5	2	2	2	2	2	2	2	2	2	2	2
G 95.0	2	2	2	2	2	2	2	2	2	2	2
G 97.5	2	2	2	2	2	2	2	3	2	3	2
G100.0	2	2	2	3	3	3	3	4	4	4	4
G102.5	3	3	3	4	5	5	5	6	6	6	6
G105.0	5	5	5	6	7	7	8	8	8	8	7
G107.5	7	7	7	7	8	9	9	10	9	9	9
G110.0	8	8	8	9	10	11	11	11	10	10	10
G112.5	9	9	9	10	10	11	11	11	10	10	10
G115.0	10	10	10	10	10	11	11	11	10	10	9
G117.5	9	9	9	9	9	10	10	10	9	9	8
G120.0	9	9	9	9	9	10	10	9	8	8	7
G122.5	8	8	8	8	8	9	9	8	7	7	6
G125.0	7	8	7	7	7	7	7	7	5	6	5
G127.5	6	7	6	6	5	6	6	5	5	5	4
G130.0	5	6	5	5	4	4	4	4	4	4	4
G132.5	5	5	4	5	4	3	4	3	4	4	3
G135.0	4	4	4	4	4	3	3	3	4	3	3
G137.5	4	4	3	3	3	3	2	3	3	3	2
G140.0	3	3	2	3	3	3	2	2	3	2	2
G142.5	2	2	2	2	2	2	2	2	2	2	1
G145.0	2	2	1	2	2	2	2	2	2	2	1
G147.5	2	1	1	1	2	2	2	2	2	1	0
G150.0	1	1	0	1	2	2	2	2	2	1	0
G152.5	1	1	0	1	1	2	2	2	2	1	0
G155.0	1	1	0	1	1	2	2	2	2	2	1
G157.5	2	1	0	1	1	2	2	2	2	2	1
G160.0	2	2	1	1	2	2	2	2	2	2	1
G162.5	2	2	1	2	2	2	2	2	2	2	1
G165.0	2	2	2	2	2	2	2	2	2	2	1
G167.5	2	2	2	2	2	2	2	2	1	1	1
G170.0	2	2	2	2	2	2	1	1	1	1	1
G172.5	1	1	1	1	1	1	1	1	1	1	1
G175.0	0	0	0	0	1	1	1	1	1	1	0
G177.5	0	0	0	0	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0	0	0	0	0

Luminaire
Code 12801328375
Name Vuota M/30
Measurem.
Code CL092A25D022GP
Name Vuota M/30

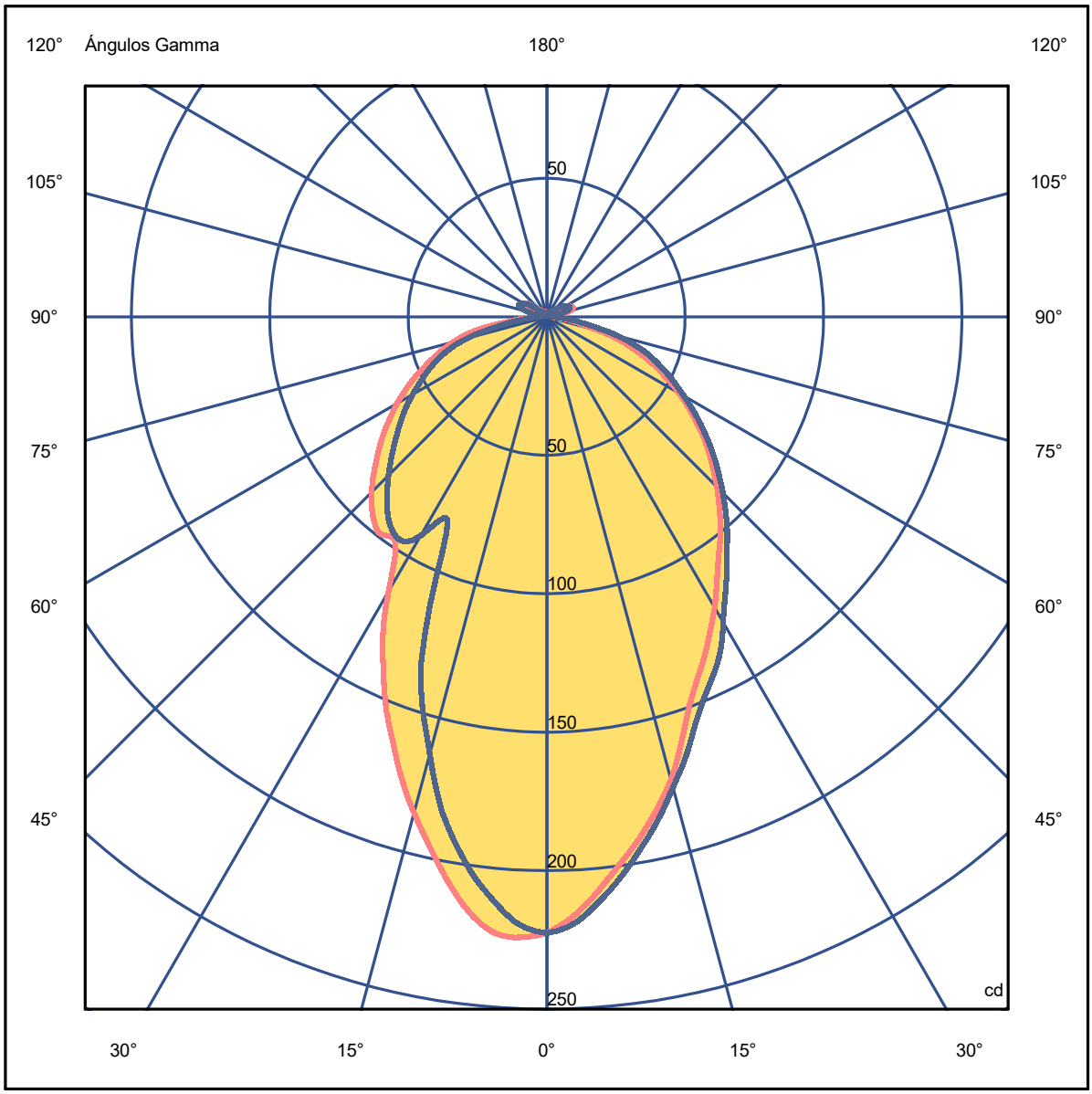
Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Diam=190mm



Semiplanos C

180.0 0.0
270.0 90.0



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Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	15.7	16.9	16.1	17.3	17.7	15.3	16.5	15.7	16.8	17.2
x=2H y=3H	17.3	18.4	17.7	18.8	19.2	16.7	17.8	17.1	18.2	18.6
x=2H y=4H	17.9	19.0	18.4	19.4	19.8	17.3	18.3	17.7	18.7	19.1
x=2H y=6H	18.4	19.4	18.9	19.8	20.2	17.6	18.5	18.0	19.0	19.4
x=2H y=8H	18.5	19.4	19.0	19.8	20.3	17.6	18.5	18.1	19.0	19.4
x=2H y=12H	18.6	19.4	19.0	19.9	20.3	17.6	18.5	18.1	18.9	19.4
x=4H y=2H	16.3	17.3	16.7	17.7	18.2	15.9	16.9	16.4	17.3	17.8
x=4H y=3H	18.1	18.9	18.5	19.4	19.9	17.5	18.4	18.0	18.8	19.3
x=4H y=4H	18.9	19.6	19.4	20.1	20.6	18.2	19.0	18.7	19.4	19.9
x=4H y=6H	19.4	20.1	19.9	20.6	21.1	18.6	19.2	19.1	19.7	20.3
x=4H y=8H	19.5	20.2	20.1	20.7	21.2	18.7	19.3	19.2	19.8	20.3
x=4H y=12H	19.6	20.2	20.2	20.7	21.3	18.7	19.2	19.2	19.8	20.3
x=8H y=4H	19.1	19.7	19.6	20.2	20.8	18.4	19.1	19.0	19.6	20.1
x=8H y=6H	19.7	20.2	20.3	20.8	21.4	18.9	19.4	19.5	19.9	20.5
x=8H y=8H	19.9	20.3	20.5	20.9	21.5	19.0	19.5	19.6	20.0	20.6
x=8H y=12H	20.0	20.4	20.6	21.0	21.6	19.1	19.5	19.7	20.1	20.7
x=12H y=4H	19.1	19.6	19.6	20.1	20.7	18.4	19.0	19.0	19.5	20.1
x=12H y=6H	19.7	20.2	20.3	20.7	21.3	18.9	19.3	19.5	19.9	20.5
x=12H y=8H	19.9	20.3	20.5	20.9	21.5	19.1	19.4	19.7	20.0	20.7

Luminaire
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Name Vuota M/30
Measurem.
Code CL092A25D022GP
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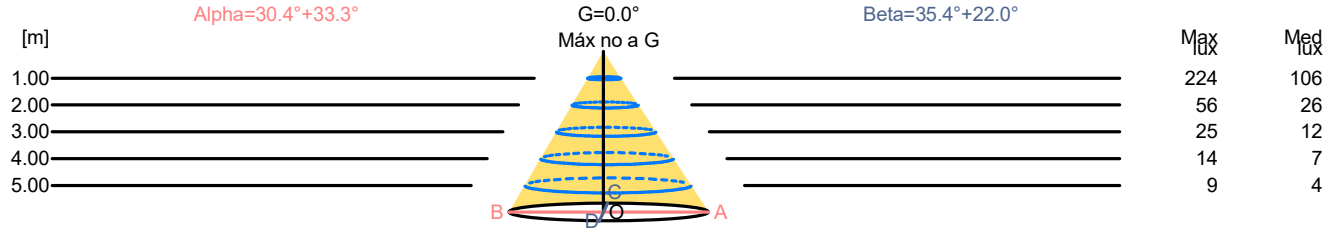
Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Width at 50.00 % of Max Intensity

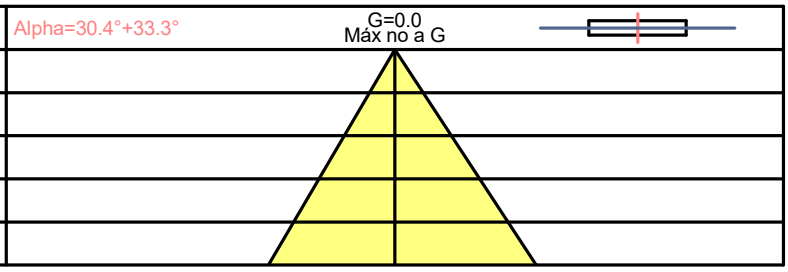
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	0.66	1.31	1.97	2.62	3.28	OC	0.71	1.42	2.14	2.85	3.56
OB	0.59	1.17	1.76	2.35	2.93	OD	0.40	0.81	1.21	1.62	2.02

Luminous Intensities [cd]

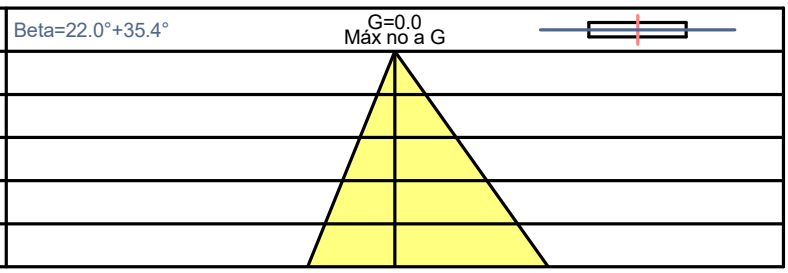
	0	5	15	25	35	45	55	65	75	85
OA	222.55	208.51	173.18	134.92	107.86	86.90	65.88	44.33	20.47	3.60
OB	222.55	222.98	185.35	139.77	97.15	89.50	71.46	53.19	34.96	10.80
OC	222.55	212.36	176.02	142.41	113.37	89.94	67.96	47.56	26.75	6.08
OD	222.55	212.49	163.35	85.44	95.90	80.77	63.93	48.03	29.66	7.30



H[m]	D[m]	Max lux	Med lux
1.00	1.24	224	106
2.00	2.48	56	26
3.00	3.73	25	12
4.00	4.97	14	7
5.00	6.21	9	4



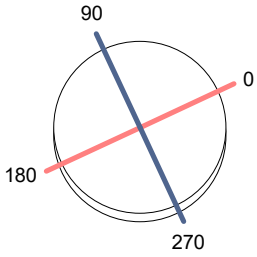
H[m]	D[m]	Max lux	Med lux
1.00	1.12	224	106
2.00	2.23	56	26
3.00	3.35	25	12
4.00	4.47	14	7
5.00	5.58	9	4



Luminaire
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Measurem.
Code CL092A25D022GP
Name Vuota M/30

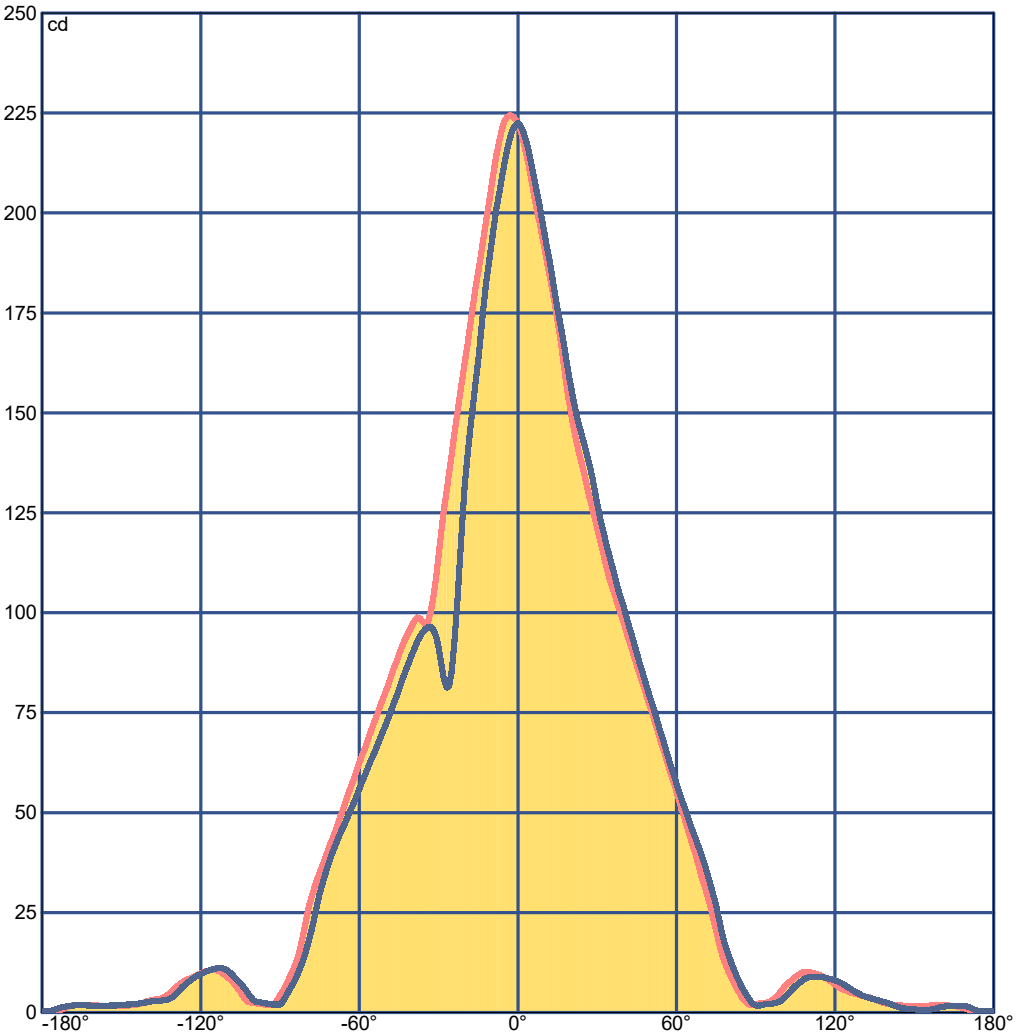
Luminaire Flux	439 lm	Luminaire Power	10.8 W	Efficacy	40.608 lm/W	Efficiency	100.00%
Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Diam=190mm



Semiplanos C





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Name Vuota M/30

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Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Flujo Total=438.97 Flujo Luminaria=438.97

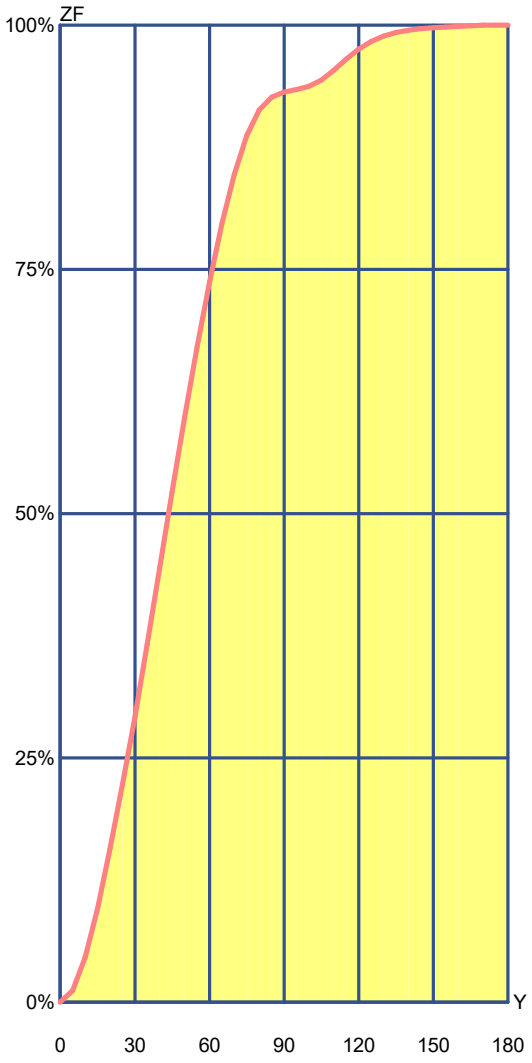
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.33	0.41	0.48	0.55	0.61	0.69	0.75	0.79	0.84	0.87	0.93	0.97
RC	5	5	5	5	5	5	4	4	4	4	4	4

Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	45	157	292	444	599	737	847	913	932	937	954	975	989	995	997	999	1000	1000

Códigos de Flujo C.I.E.
50 79 95 93 100

C.I.E.	5/5/5/5/5/5/4/4/4/4/4/4	LOR	100.00000 %
D DIN 5040	A31	ULOR	6.84841 %
F UTE	0.93 E + 0.07 T	DLOR	93.15159 %
B NBN	BZ 4	UFF	6.84841 %
RN	6.84841 %	DFF	93.15159 %
BLF	1.0	FFR	7.35190 %



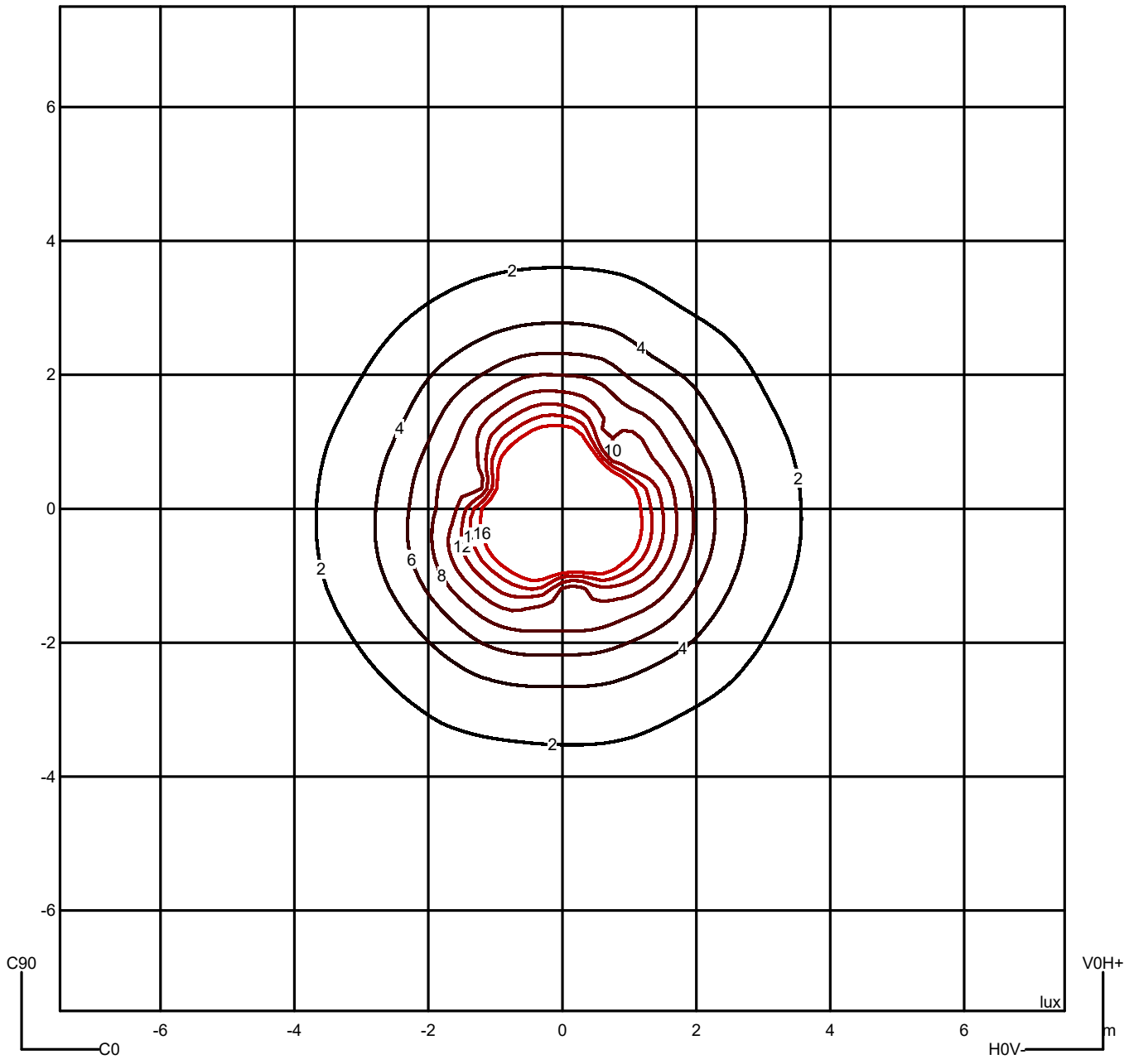
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.90	11.90	1.19 %	1.19 %
10°	33.53	45.42	3.35 %	4.54 %
15°	50.32	95.74	5.03 %	9.57 %
20°	61.48	157.22	6.15 %	15.72 %
25°	66.04	223.26	6.60 %	22.33 %
30°	68.82	292.08	6.88 %	29.21 %
35°	74.09	366.17	7.41 %	36.62 %
40°	77.96	444.13	7.80 %	44.41 %
45°	78.45	522.58	7.85 %	52.26 %
50°	76.13	598.71	7.61 %	59.87 %
55°	72.02	670.73	7.20 %	67.07 %
60°	66.33	737.06	6.63 %	73.71 %
65°	59.18	796.24	5.92 %	79.62 %
70°	50.60	846.85	5.06 %	84.68 %
75°	40.16	887.01	4.02 %	88.70 %
80°	26.20	913.20	2.62 %	91.32 %
85°	13.10	926.31	1.31 %	92.63 %
90°	5.21	931.52	0.52 %	93.15 %
95°	2.52	934.04	0.25 %	93.40 %
100°	3.24	937.27	0.32 %	93.73 %
105°	6.34	943.62	0.63 %	94.36 %
110°	10.10	953.71	1.01 %	95.37 %
115°	11.39	965.11	1.14 %	96.51 %
120°	10.21	975.32	1.02 %	97.53 %
125°	7.95	983.27	0.79 %	98.33 %
130°	5.43	988.70	0.54 %	98.87 %
135°	3.55	992.26	0.36 %	99.23 %
140°	2.40	994.66	0.24 %	99.47 %
145°	1.56	996.21	0.16 %	99.62 %
150°	1.04	997.25	0.10 %	99.72 %
155°	0.79	998.04	0.08 %	99.80 %
160°	0.71	998.75	0.07 %	99.87 %
165°	0.64	999.38	0.06 %	99.94 %
170°	0.44	999.82	0.04 %	99.98 %
175°	0.16	999.98	0.02 %	100.00 %
180°	0.02	1000.00	0.00 %	100.00 %

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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m



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Source Flux	439 lm	Maximum value	224.36 cd	Position	C=180.00 G=2.50	CG	Asymmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.478009	y =0.407042	
CIE1960	u =0.275967	v =0.352494	
CIE1976	u'=0.275967	v'=0.528742	
D(u,v)	0.00235		

Color rendering index (CRI)
Color Rendering Components

CCT = [2439 K]*

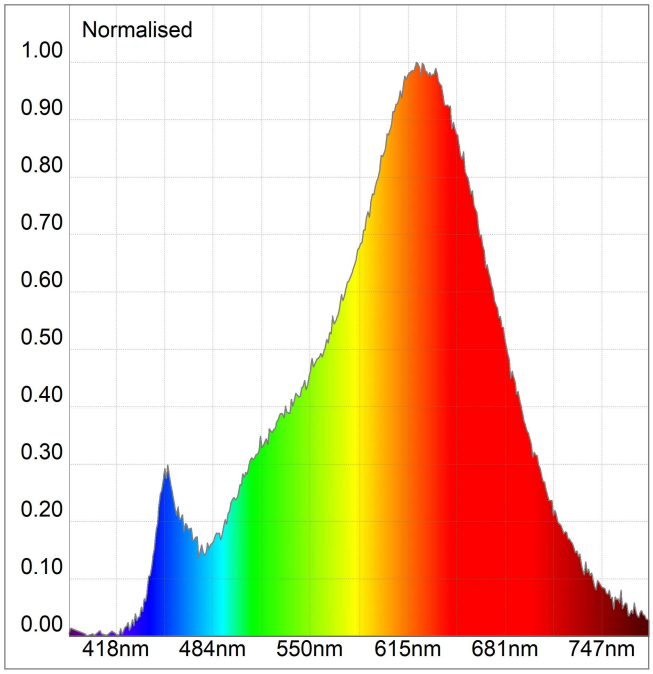
CRI8(Ra) [93.5]* CRI15(Rav) [92.0]*

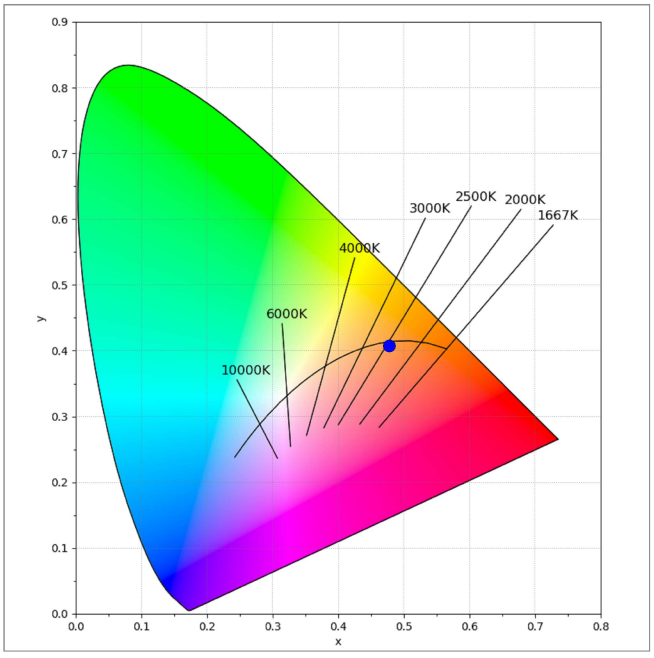
R 1: 95.2	R 2: 99.0	R 3: 97.2	R 4: 94.5	R 5: 95.9
R 6: 95.9	R 7: 89.6	R 8: 80.7	R 9: 61.8	R10: 97.6
R11: 96.7	R12: 89.8	R13: 96.7	R14: 99.4	R15: 90.6

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
386.0	0.004124	392.0	0.008531	398.0	0.000365
404.0	0.003096	410.0	0.002197	416.0	0.006838
422.0	0.003387	428.0	0.016026	434.0	0.033761
440.0	0.104274	446.0	0.195513	452.0	0.274573
458.0	0.222222	464.0	0.181624	470.0	0.165598
476.0	0.159188	482.0	0.159188	488.0	0.179487
494.0	0.213675	500.0	0.240385	506.0	0.285256
512.0	0.309829	518.0	0.332265	524.0	0.354701
530.0	0.387821	536.0	0.387821	542.0	0.416667
548.0	0.436966	554.0	0.480769	560.0	0.503205
566.0	0.543803	572.0	0.584402	578.0	0.631410
584.0	0.683761	590.0	0.729701	596.0	0.799145
602.0	0.875000	608.0	0.926282	614.0	0.975427
620.0	0.983974	626.0	0.997863	632.0	0.975427
638.0	0.961538	644.0	0.922009	650.0	0.872863
656.0	0.802350	662.0	0.743590	668.0	0.672009
674.0	0.602564	680.0	0.538462	686.0	0.448718
692.0	0.412393	698.0	0.353632	704.0	0.314103
710.0	0.255342	716.0	0.219017	722.0	0.178419
728.0	0.161325	734.0	0.125000	740.0	0.105449
746.0	0.093590	752.0	0.072756	758.0	0.063248
764.0	0.057906	770.0	0.057906	776.0	0.036752

Spectrum Graph

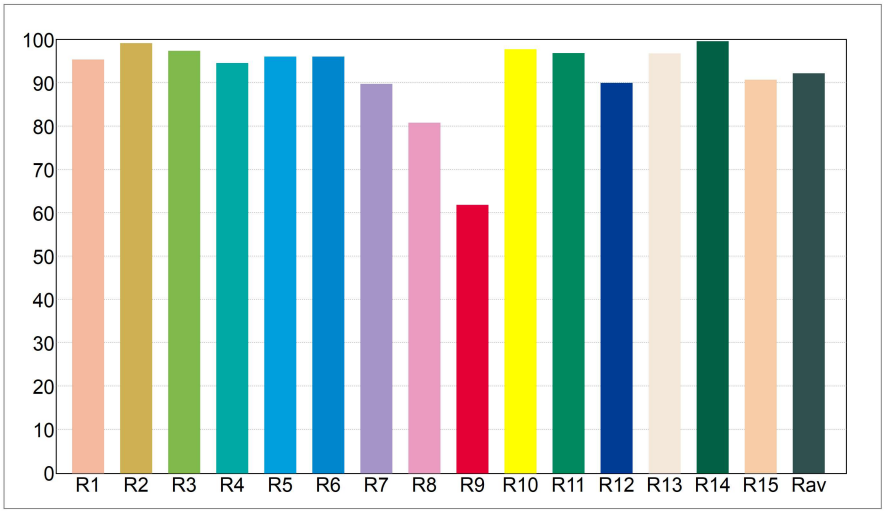


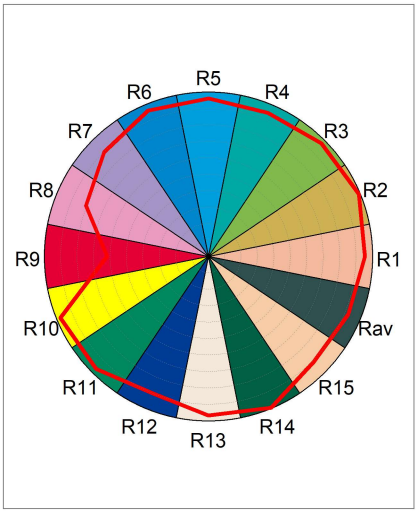


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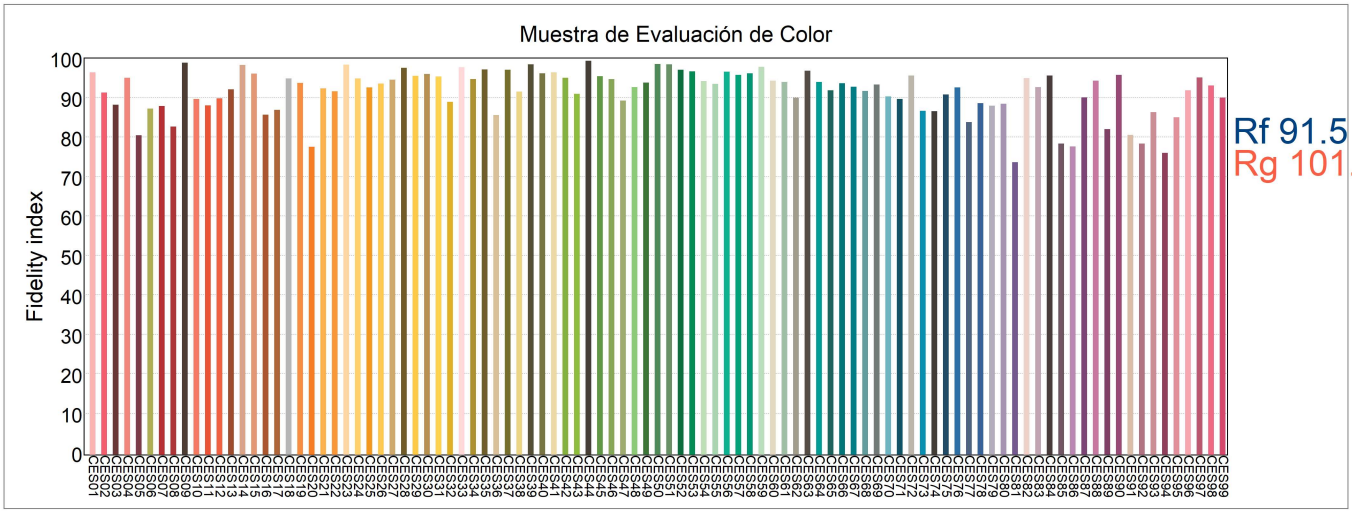
CRI Graphs



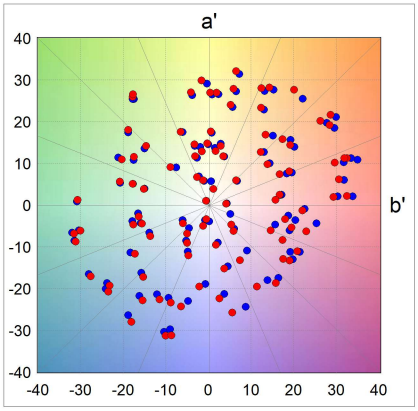


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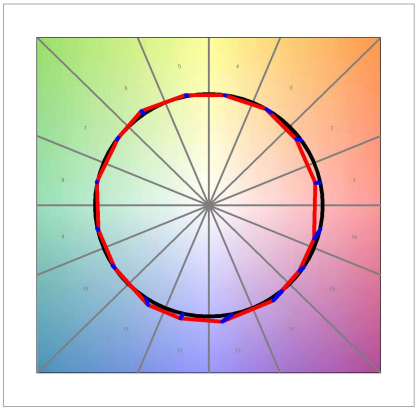
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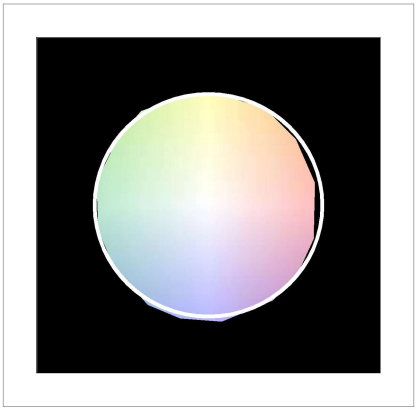
Chromatic Coordinates (a', b') 99 CES



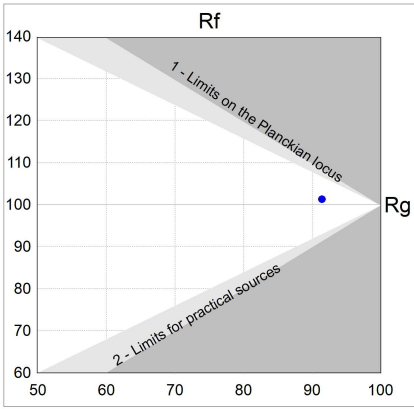
Color Vector Graphic



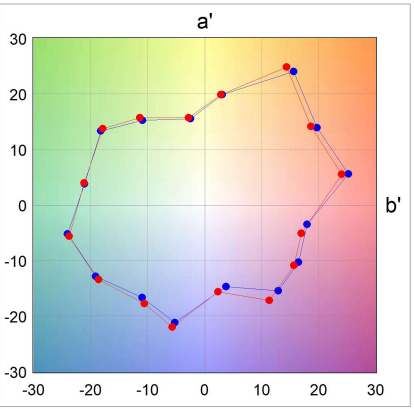
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

