Luminaire

Code	19603400xxxU
Name	NUT B/90 TRIAC
Line	

Measurem.

Code	CL092A25D016GPE1
Name	NUT B/90 TRIAC

Source Data

Code	LM281B+PRO	Correlated Color Temperature (CCT)	2670K	Q.ty	1
Name	SAMSUNG	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Sym. on planes 270-90
Date	02-07-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	367.7 lm
Maximum	426.62 cd/klm	Position	C=90.0° G=18.0°
Remarks	RM25062604		

Electrical Parameters

Channel 1		Channel 2	
Voltage	120.10 V	Voltage	0.00 V
Current	0.07 A	Current	0.00 A
Power	7.74 W	Power	0.00 W
Frequency	50 Hz	Frequency	0 Hz
Power Factor	0.97	Power Factor	0.00

Environmental Parameters

Temperature	24.2 °C	Air Speed	0.0 m/s
Humidity	50.9 %		

Luminaire Dimensions

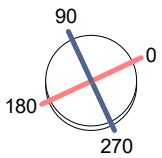
Round Luminaire	Diam.	100 mm	Height	120 mm	
Round Luminous Area	Diam.	80 mm	Height	0 mm	
Horizontal Luminous Area		0.005027 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at 76°		0.001216 m2

Photometric Assessment

Luminaire Flux	367.7 lm	Source Flux	367.7 lm
Efficacy	47.509 lm/W	Efficiency	100.0 %
CIE Flux Codes	47 78 94 99 100	D DIN 5040	A31
F UTE	0.99 E + 0.01 T	B NBN	BZ 5

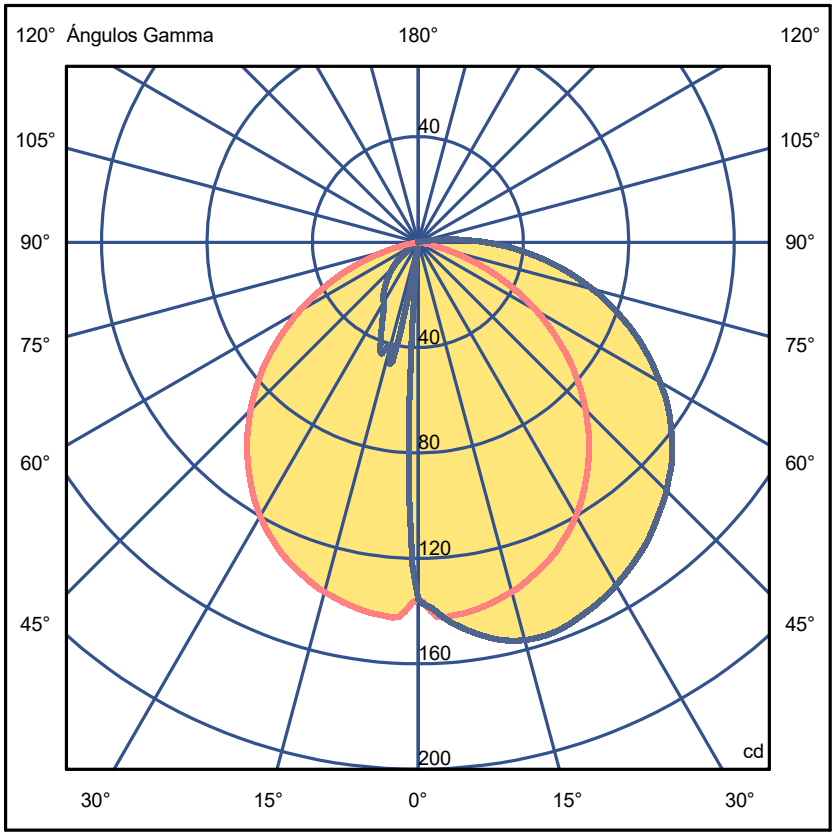


Diam=100mm





ULOR 0.95 %
DLOR 99.05 %
RN 0.95 %



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Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Luminous Intensity Table cd **Table 1/3**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	135	135	135	135	135	135	135	135	135	135	135	135	135
G 1.0	123	123	124	126	130	134	137	137	137	137	137	137	138
G 2.0	97	99	104	112	123	133	140	139	139	138	137	138	139
G 3.0	65	70	82	98	116	132	142	141	140	139	140	140	141
G 4.0	32	41	63	89	113	131	143	142	141	141	141	142	143
G 5.0	5	19	50	85	107	127	142	142	142	142	143	144	145
G 6.0	0	15	49	87	109	128	142	142	142	143	144	146	146
G 7.0	0	17	55	95	115	131	142	142	143	143	145	147	148
G 8.0	0	19	62	105	122	134	141	142	143	144	146	148	149
G 9.0	4	24	70	114	130	137	141	142	142	144	147	150	151
G 10.0	19	39	81	122	128	134	141	141	143	144	148	151	152
G 11.0	35	52	89	125	130	135	140	141	142	144	148	152	153
G 12.0	46	61	93	124	129	134	139	141	142	144	149	153	154
G 13.0	47	62	93	123	128	133	139	140	142	144	149	153	155
G 14.0	43	58	90	121	127	132	138	140	142	144	149	154	156
G 15.0	40	55	88	120	126	132	137	139	141	144	149	154	156
G 16.0	40	55	87	119	125	131	137	139	141	144	149	154	157
G 17.0	43	57	87	117	123	130	136	138	140	144	149	155	157
G 18.0	44	58	87	115	122	128	135	137	140	143	149	155	157
G 19.0	44	57	86	114	120	127	134	136	139	143	149	154	157
G 20.0	42	55	84	112	119	126	133	136	139	143	149	154	157
G 21.0	40	53	82	110	117	125	132	134	137	142	148	154	156
G 22.0	37	51	80	108	124	130	131	133	137	142	148	153	156
G 23.0	35	49	78	106	123	129	130	132	136	141	148	153	155
G 24.0	34	47	76	105	121	127	128	131	136	141	147	152	154
G 25.0	32	45	74	102	119	125	127	131	135	140	147	152	154
G 26.0	30	43	72	100	117	124	126	130	134	140	146	151	153
G 27.0	29	42	70	98	115	122	124	128	133	139	145	150	153
G 28.0	28	40	68	96	113	120	123	127	133	138	145	150	152
G 29.0	27	39	66	94	111	118	121	126	132	138	144	149	151
G 30.0	26	38	65	92	108	116	120	125	131	137	143	148	150
G 31.0	26	37	63	89	106	114	118	124	130	136	142	147	149
G 32.0	25	36	61	87	103	112	116	122	129	135	142	146	148
G 33.0	24	35	59	85	101	110	115	121	128	134	141	146	148
G 34.0	23	34	58	82	98	107	113	119	126	133	140	145	147
G 35.0	22	33	56	80	96	105	111	118	125	132	139	144	146
G 36.0	22	31	54	77	93	103	109	116	124	131	138	143	145
G 37.0	21	30	52	75	91	100	107	115	123	130	137	142	144
G 38.0	20	29	50	72	88	98	105	113	121	129	136	140	142
G 39.0	19	28	48	70	85	95	103	111	120	128	134	139	141
G 40.0	18	27	46	67	83	93	101	110	118	126	133	138	140
G 41.0	17	25	44	65	80	90	99	108	117	125	132	137	138
G 42.0	16	24	42	62	77	88	97	106	115	124	131	135	137
G 43.0	15	23	40	60	75	85	94	104	114	122	129	134	136
G 44.0	14	21	38	57	72	83	92	102	112	121	128	133	135
G 45.0	13	20	36	54	69	80	90	100	110	119	126	131	133
G 46.0	12	19	34	51	66	77	88	98	108	117	125	130	132
G 47.0	11	17	32	49	63	75	85	96	106	116	123	128	130
G 48.0	10	16	30	46	60	72	83	94	104	114	122	127	129
G 49.0	9	15	28	44	57	69	80	92	102	112	120	126	128
G 50.0	8	13	26	41	54	67	78	89	100	110	118	124	126
G 51.0	7	12	24	38	52	64	76	87	98	108	117	122	124
G 52.0	6	11	22	35	49	61	73	85	96	106	115	120	122
G 53.0	6	10	20	33	46	58	70	83	94	104	113	118	121
G 54.0	5	8	18	30	43	55	68	80	92	102	111	116	119
G 55.0	4	7	16	27	40	52	65	78	90	100	109	115	117
G 56.0	3	6	14	25	37	49	63	75	87	98	107	113	115
G 57.0	2	5	12	22	34	47	60	73	85	96	105	111	113
G 58.0	2	4	10	19	31	44	57	70	83	94	102	108	111
G 59.0	1	3	8	17	28	41	54	68	80	91	100	106	108
G 60.0	1	2	7	14	25	38	52	65	78	89	98	104	106
G 61.0	0	1	5	12	22	35	49	63	75	87	96	102	104
G 62.0	0	1	4	10	20	32	46	60	73	84	93	99	101
G 63.0	0	1	3	8	17	30	44	57	70	82	91	97	99
G 64.0	0	1	2	6	15	27	41	55	68	79	88	95	97
G 65.0	0	0	1	4	13	24	38	52	65	77	86	92	94
G 66.0	0	0	0	3	11	22	35	49	63	74	84	90	92
G 67.0	0	0	1	2	9	20	32	47	60	72	81	87	90
G 68.0	0	0	1	1	8	18	30	44	57	69	79	85	87
G 69.0	0	0	0	1	7	16	27	41	55	66	76	82	84
G 70.0	0	0	0	0	6	14	24	38	52	64	73	80	82
G 71.0	0	0	0	0	5	12	22	36	49	61	71	77	79
G 72.0	0	0	0	0	4	11	19	33	46	59	68	74	76

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Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Luminous Intensity Table cd **Table 2/3**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 73.0	0	0	0	0	4	9	17	30	44	56	65	72	74
G 74.0	0	0	0	0	3	8	14	27	41	53	63	69	71
G 75.0	0	0	0	0	2	6	12	25	38	51	60	66	68
G 76.0	0	0	0	0	2	5	10	22	36	48	57	63	65
G 77.0	0	0	0	0	1	3	8	20	33	45	55	61	63
G 78.0	0	0	0	0	0	2	6	18	30	42	52	58	60
G 79.0	0	0	0	0	1	3	4	15	28	40	49	55	57
G 80.0	0	0	0	0	1	2	3	13	25	37	46	52	54
G 81.0	0	0	0	0	1	1	2	12	23	34	43	49	51
G 82.0	0	0	0	0	0	1	1	10	21	31	40	46	49
G 83.0	0	0	0	0	0	0	0	9	18	28	37	44	46
G 84.0	0	0	0	0	0	0	0	7	16	26	34	41	43
G 85.0	0	0	0	0	0	0	0	6	14	23	31	38	40
G 86.0	0	0	0	0	0	0	0	6	13	21	29	35	37
G 87.0	0	0	0	0	0	0	0	5	11	18	26	32	34
G 88.0	0	0	0	0	0	0	0	4	9	16	23	29	31
G 89.0	0	0	0	0	0	0	0	3	7	13	20	26	29
G 90.0	0	0	0	0	0	0	0	2	6	11	17	23	26
G 91.0	0	0	0	0	0	0	0	2	5	9	15	20	23
G 92.0	0	0	0	0	0	0	0	2	4	7	12	18	20
G 93.0	0	0	0	0	0	0	0	1	3	5	10	15	18
G 94.0	0	0	0	0	0	0	0	1	2	3	8	13	15
G 95.0	0	0	0	0	0	0	0	0	1	2	6	11	12
G 96.0	0	0	0	0	0	0	0	0	0	1	5	8	10
G 97.0	0	0	0	0	0	0	0	0	0	1	4	6	8
G 98.0	0	0	0	0	0	0	0	0	0	0	2	5	6
G 99.0	0	0	0	0	0	0	0	0	0	0	2	3	4
G100.0	0	0	0	0	0	0	0	0	0	0	1	2	2
G101.0	0	0	0	0	0	0	0	0	0	0	1	1	1
G102.0	0	0	0	0	0	0	0	0	0	0	0	1	1
G103.0	0	0	0	0	0	0	0	0	0	0	0	0	1
G104.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G106.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G107.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G108.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G109.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G111.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G112.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G113.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G114.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G115.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G116.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G117.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G118.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G119.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G121.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G122.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G123.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G124.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G126.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G127.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G128.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G129.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G131.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G132.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G133.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G134.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G136.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G137.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G138.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G139.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G141.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G142.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G143.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G144.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

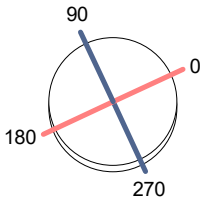
Luminous Intensity Table cd **Table 3/3**

	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G146.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G147.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G148.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G149.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G151.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G152.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G153.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G154.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G156.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G157.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G158.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G159.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G161.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G162.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G163.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G164.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G166.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G167.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G168.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G169.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G171.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G172.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G173.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G174.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G176.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G177.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G178.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G179.0	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

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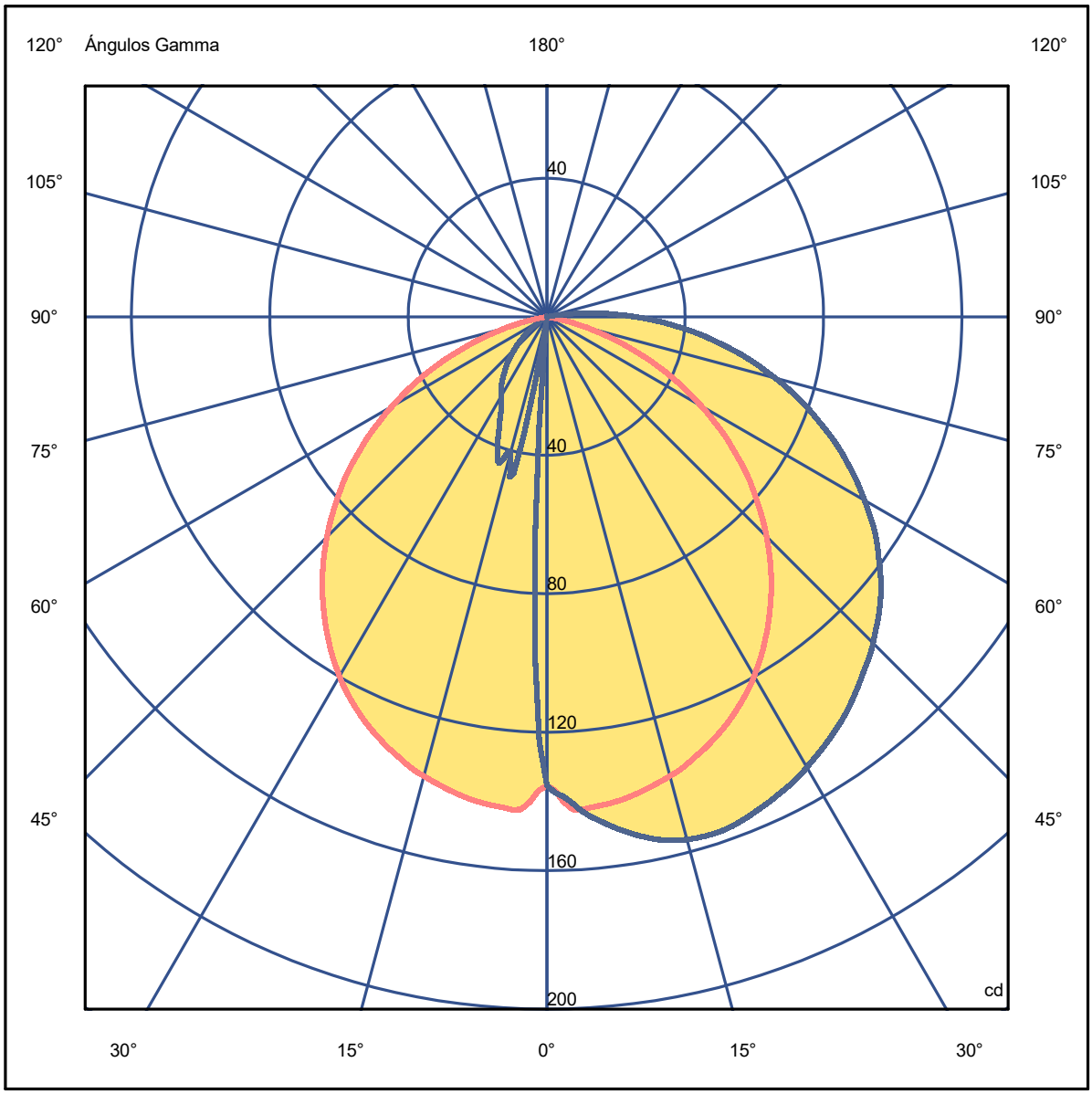
Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Diam=100mm



Semiplanos C





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Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

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	23.5	24.9	23.9	25.1	25.4	13.3	14.6	13.6	14.8	15.1
x=2H y=3H	24.6	25.8	25.0	26.1	26.4	13.1	14.3	13.4	14.6	14.8
x=2H y=4H	24.9	26.0	25.2	26.3	26.6	13.0	14.1	13.4	14.4	14.7
x=2H y=6H	24.9	26.0	25.3	26.3	26.6	12.9	14.0	13.3	14.3	14.6
x=2H y=8H	24.9	25.9	25.3	26.2	26.6	12.9	13.9	13.2	14.2	14.5
x=2H y=12H	24.9	25.8	25.3	26.2	26.5	12.8	13.8	13.2	14.1	14.5
x=4H y=2H	24.5	25.6	24.9	25.9	26.2	14.1	15.2	14.4	15.5	15.8
x=4H y=3H	25.9	26.8	26.3	27.2	27.5	13.9	14.9	14.3	15.2	15.6
x=4H y=4H	26.3	27.2	26.7	27.5	27.9	13.8	14.7	14.3	15.1	15.5
x=4H y=6H	26.5	27.3	26.9	27.6	28.1	13.8	14.5	14.2	14.9	15.3
x=4H y=8H	26.5	27.2	26.9	27.6	28.0	13.7	14.4	14.2	14.8	15.3
x=4H y=12H	26.5	27.1	26.9	27.5	28.0	13.7	14.3	14.2	14.8	15.2
x=8H y=4H	27.1	27.8	27.5	28.2	28.6	13.8	14.5	14.3	14.9	15.4
x=8H y=6H	27.6	28.1	28.0	28.6	29.1	13.8	14.3	14.2	14.8	15.3
x=8H y=8H	27.7	28.2	28.2	28.7	29.2	13.7	14.2	14.2	14.7	15.2
x=8H y=12H	27.7	28.2	28.2	28.7	29.2	13.7	14.1	14.2	14.6	15.1
x=12H y=4H	27.3	27.9	27.8	28.4	28.8	13.8	14.4	14.3	14.9	15.3
x=12H y=6H	27.9	28.4	28.4	28.9	29.4	13.7	14.2	14.2	14.7	15.2
x=12H y=8H	28.1	28.6	28.6	29.1	29.6	13.7	14.1	14.2	14.6	15.1

Luminaire
Code 19603400xxxU
Name NUT B/90 TRIAC
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Code CL092A25D016GPE1
Name NUT B/90 TRIAC

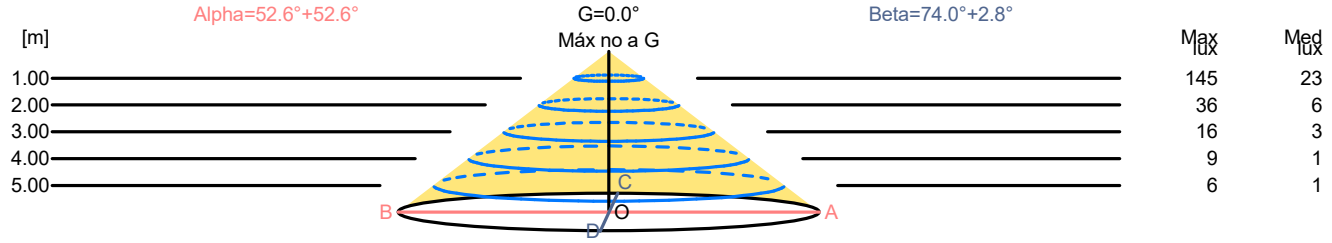
Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Width at 50.00 % of Max Intensity

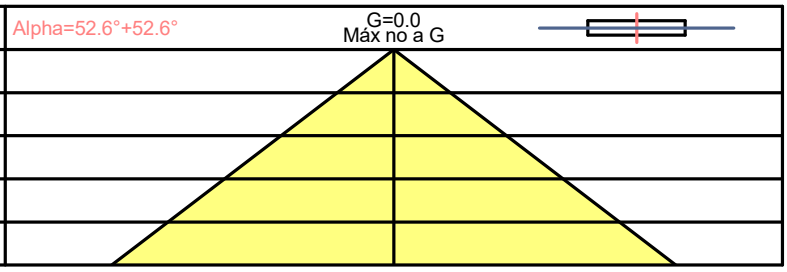
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.31	2.62	3.93	5.24	6.55	OC	3.48	6.96	10.45	13.93	17.41
OB	1.31	2.62	3.93	5.24	6.55	OD	0.05	0.10	0.15	0.20	0.24

Luminous Intensities [cd]

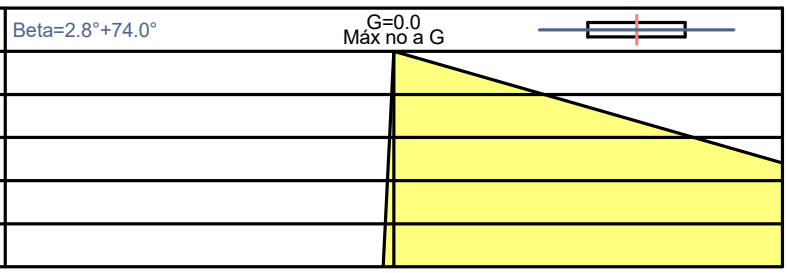
	0	5	15	25	35	45	55	65	75	85
OA	135.32	142.31	137.35	127.13	110.87	89.88	65.00	38.03	11.90	0.20
OB	135.32	142.31	137.35	127.13	110.87	89.88	65.00	38.03	11.90	0.20
OC	135.32	144.85	156.32	153.90	145.54	133.34	116.70	94.40	68.32	40.04
OD	135.32	5.18	40.22	31.79	22.41	13.23	3.77	0.09	0.02	0.03



H[m]	D[m]	Max lux	Med lux
1.00	2.62	145	23
2.00	5.24	36	6
3.00	7.85	16	3
4.00	10.47	9	1
5.00	13.09	6	1



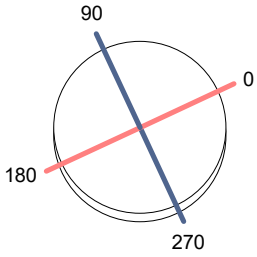
H[m]	D[m]	Max lux	Med lux
1.00	3.53	145	23
2.00	7.06	36	6
3.00	10.59	16	3
4.00	14.12	9	1
5.00	17.65	6	1



Luminaire
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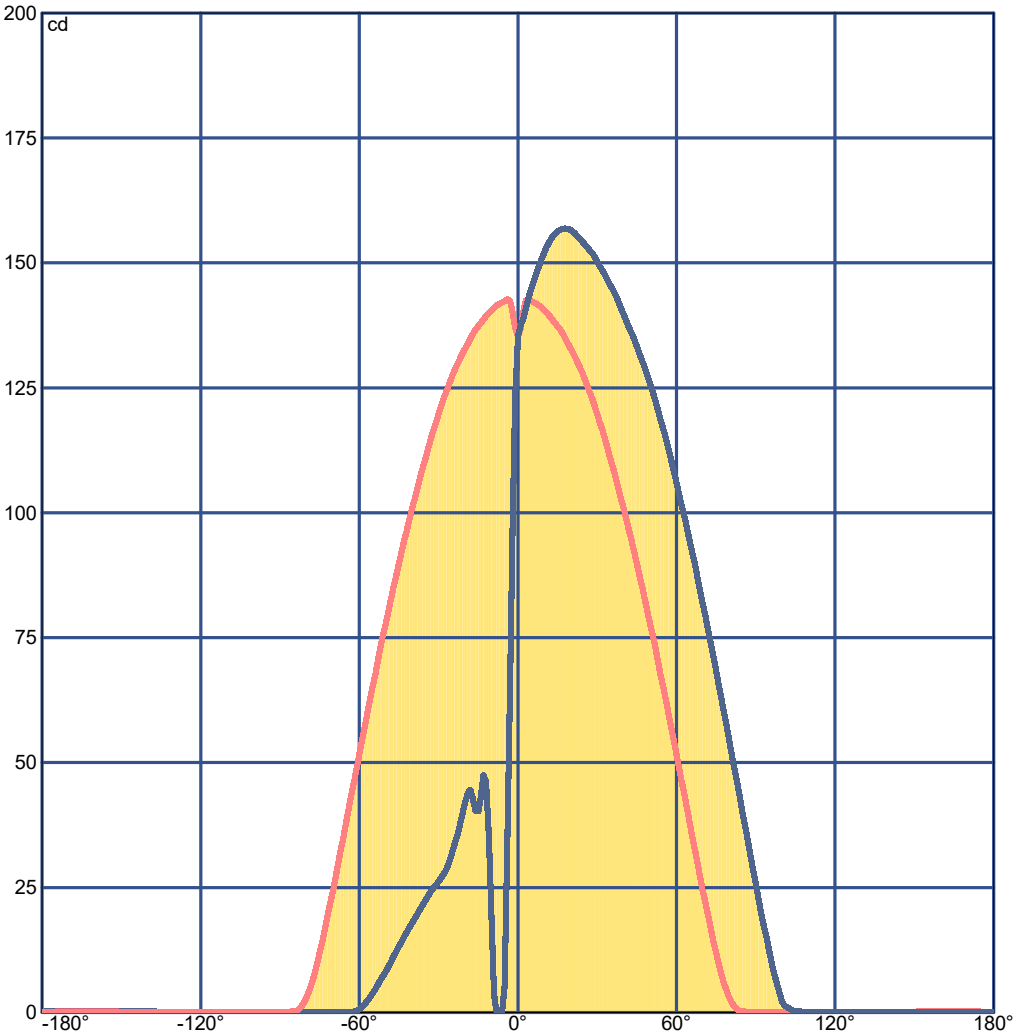
Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Diam=100mm



Semiplanos C





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Name NUT B/90 TRIAC

Luminaire Flux	368 lm	Luminaire Power	7.7 W	Efficacy	47.509 lm/W	Efficiency	100.00%
Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Flujo Total=367.72 Flujo Luminaria=367.72

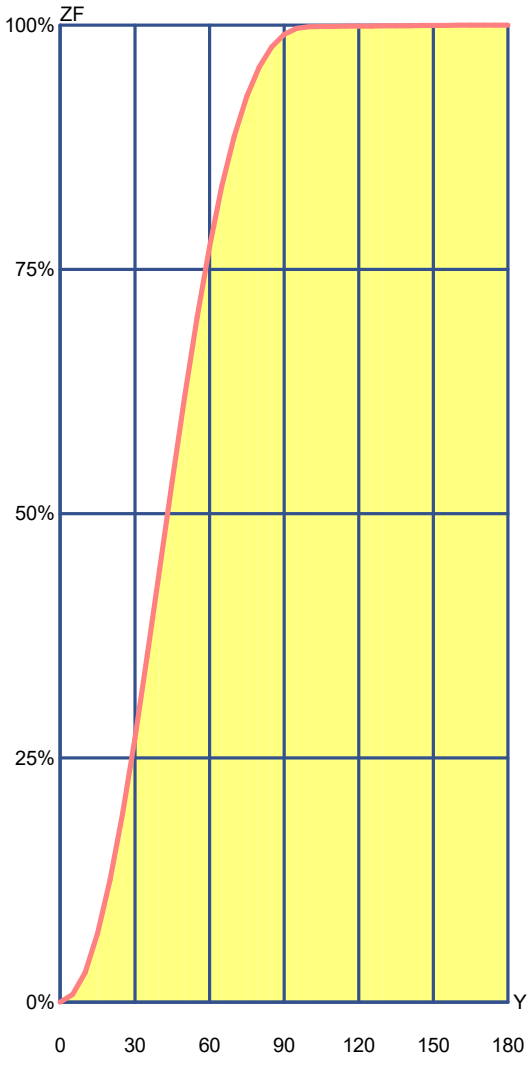
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	6	6

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)	30	125	270	443	620	773	886	957	991	998	999	999	999	999	1000	1000	1000	1000

Códigos de Flujo C.I.E.
47 78 94 99 100

C.I.E.	5/5/5/5/5/5/5/5/5/6/6	LOR	100.00000 %
D DIN 5040	A31	ULOR	0.94951 %
F UTE	0.99 E + 0.01 T	DLOR	99.05049 %
B NBN	BZ 5	UFF	0.94951 %
RN	0.94951 %	DFF	99.05049 %
BLF	1.0	FFR	0.95862 %



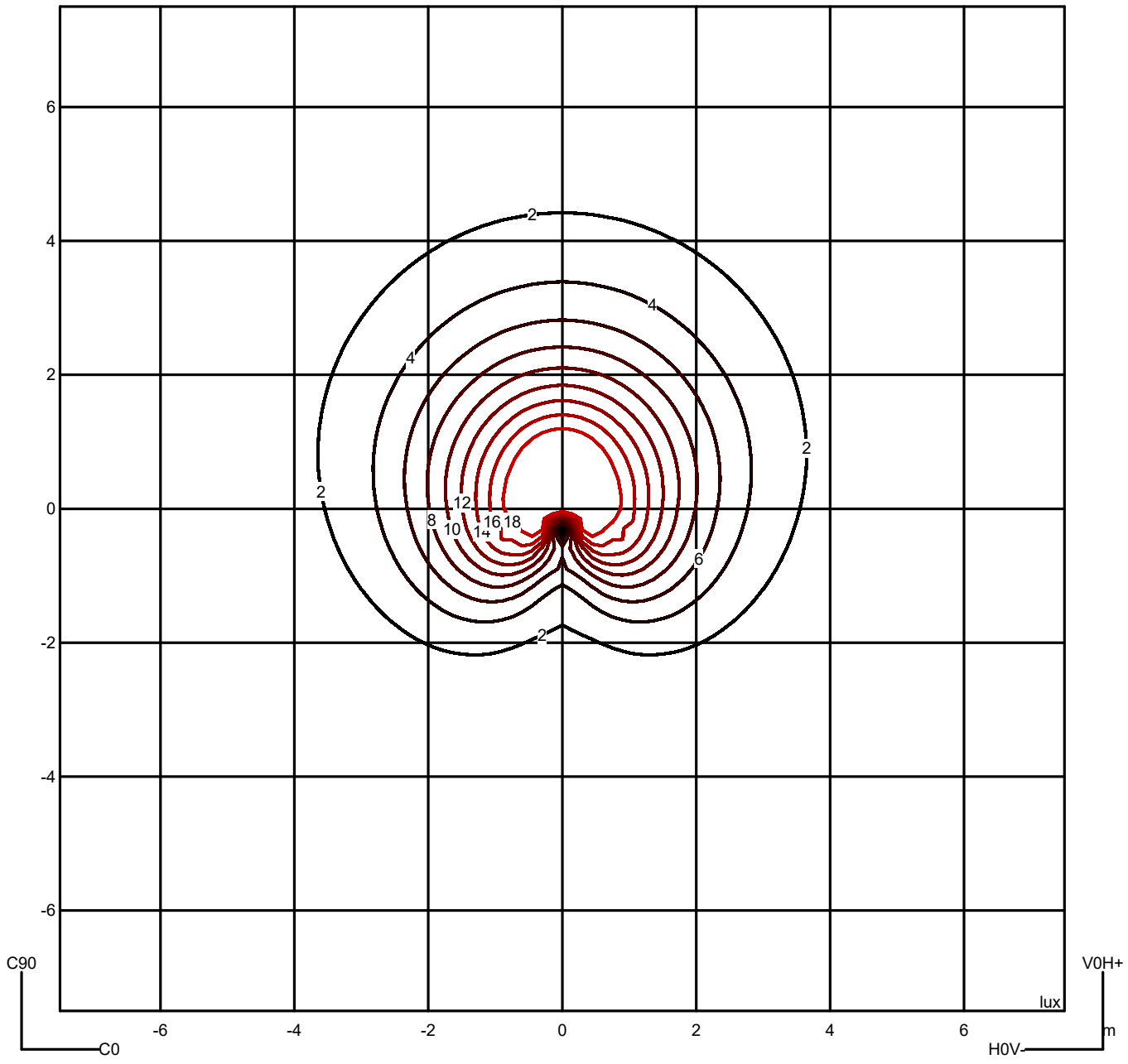
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.73	7.73	0.77 %	0.77 %
10°	22.36	30.09	2.24 %	3.01 %
15°	40.22	70.31	4.02 %	7.03 %
20°	54.89	125.21	5.49 %	12.52 %
25°	67.53	192.74	6.75 %	19.27 %
30°	77.40	270.14	7.74 %	27.01 %
35°	84.51	354.65	8.45 %	35.47 %
40°	88.58	443.23	8.86 %	44.32 %
45°	89.43	532.65	8.94 %	53.27 %
50°	86.92	619.57	8.69 %	61.96 %
55°	81.14	700.71	8.11 %	70.07 %
60°	72.42	773.13	7.24 %	77.31 %
65°	61.86	834.99	6.19 %	83.50 %
70°	51.15	886.14	5.11 %	88.61 %
75°	40.68	926.82	4.07 %	92.68 %
80°	30.19	957.01	3.02 %	95.70 %
85°	20.77	977.78	2.08 %	97.78 %
90°	12.72	990.50	1.27 %	99.05 %
95°	6.01	996.52	0.60 %	99.65 %
100°	1.76	998.27	0.18 %	99.83 %
105°	0.29	998.56	0.03 %	99.86 %
110°	0.12	998.68	0.01 %	99.87 %
115°	0.11	998.80	0.01 %	99.88 %
120°	0.12	998.91	0.01 %	99.89 %
125°	0.12	999.04	0.01 %	99.90 %
130°	0.12	999.16	0.01 %	99.92 %
135°	0.13	999.29	0.01 %	99.93 %
140°	0.12	999.41	0.01 %	99.94 %
145°	0.12	999.53	0.01 %	99.95 %
150°	0.11	999.64	0.01 %	99.96 %
155°	0.10	999.74	0.01 %	99.97 %
160°	0.09	999.83	0.01 %	99.98 %
165°	0.07	999.90	0.01 %	99.99 %
170°	0.06	999.96	0.01 %	100.00 %
175°	0.03	999.99	0.00 %	100.00 %
180°	0.01	1000.00	0.00 %	100.00 %

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Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Isolux (Floor)

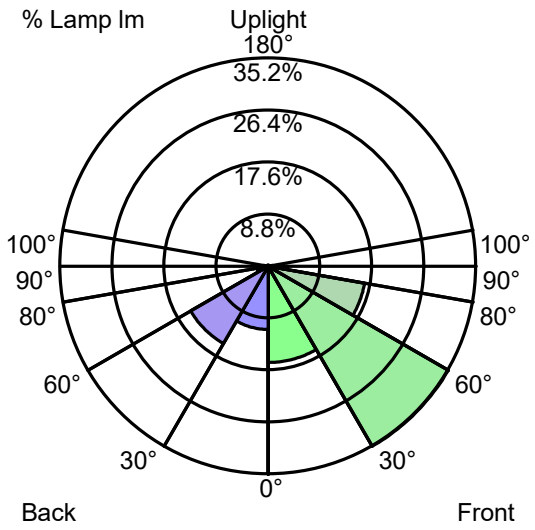
Luminaire position X=0.00m Y=0.00m Z=2.50m

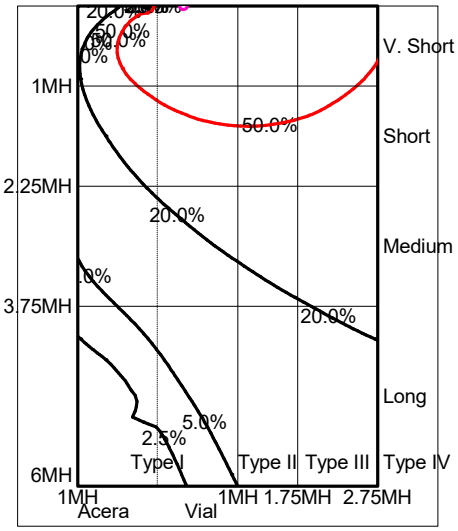


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Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

US ROAD STANDARDS





Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	59.9 lm	16.3 %	16.3 %
FM	30° -- 60°	129.4 lm	35.2 %	35.2 %
FH	60° -- 80°	61.0 lm	16.6 %	16.6 %
FVH	80° -- 90°	12.2 lm	3.3 %	3.3 %
BL	0° -- 30°	39.4 lm	10.7 %	10.7 %
BM	30° -- 60°	55.6 lm	15.1 %	15.1 %
BH	60° -- 80°	6.7 lm	1.8 %	1.8 %
BVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
UL	90° -- 100°	2.8 lm	0.8 %	0.8 %
UH	100° -- 180°	0.6 lm	0.2 %	0.2 %
TOTALS		367.7 lm	100.0 %	100.0 %
BUG B0 U1 G1 Type IV Very Short Asymmetrical				

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Source Flux	368 lm	Maximum value	156.88 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Spectral Data

Std.: No import standard

CIE1931	x =0.460526	y =0.407983
CIE1960	u =0.264111	v =0.350966
CIE1976	u'=0.264111	v'=0.526449
D(u,v)	0.00102	

Color rendering index (CRI)
Color Rendering Components

CCT = [2670 K]*

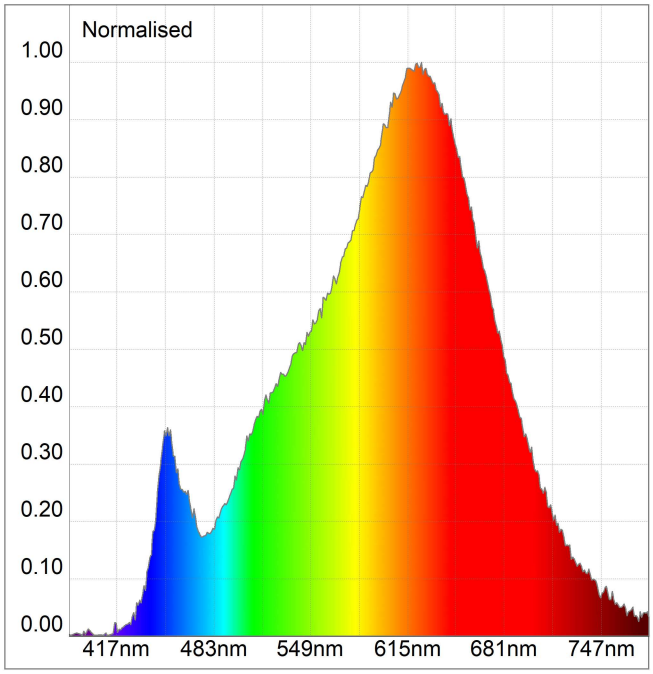
CRI8(Ra) [92.7]* CRI15(Rav) [90.2]*

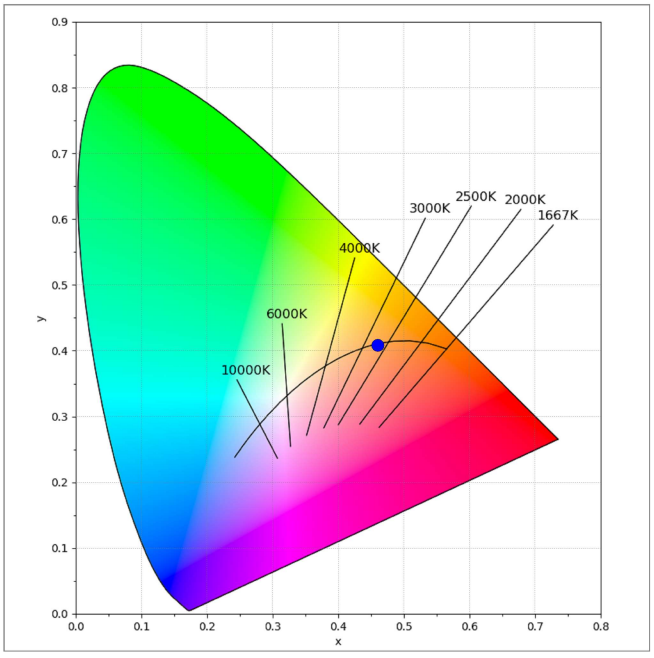
R 1: 93.1	R 2: 97.3	R 3: 98.5	R 4: 92.7	R 5: 93.2
R 6: 96.9	R 7: 90.3	R 8: 79.6	R 9: 56.9	R10: 93.1
R11: 94.2	R12: 85.6	R13: 94.4	R14: 99.4	R15: 88.5

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
385.0	0.002683	391.0	0.004526	397.0	0.007630
403.0	0.001381	409.0	0.003208	415.0	0.004222
421.0	0.014687	427.0	0.019857	433.0	0.062791
439.0	0.120751	445.0	0.246869	451.0	0.348837
457.0	0.313059	463.0	0.250447	469.0	0.205725
475.0	0.172272	481.0	0.178354	487.0	0.205725
493.0	0.234347	499.0	0.271914	505.0	0.325581
511.0	0.368515	517.0	0.386404	523.0	0.423971
529.0	0.459750	535.0	0.466905	541.0	0.508050
547.0	0.529517	553.0	0.545617	559.0	0.588551
565.0	0.627907	571.0	0.660107	577.0	0.690519
583.0	0.745975	589.0	0.792487	595.0	0.846154
601.0	0.885510	607.0	0.944544	613.0	0.966011
619.0	0.985689	625.0	1.000000	631.0	0.974955
637.0	0.942755	643.0	0.908766	649.0	0.847943
655.0	0.785331	661.0	0.719141	667.0	0.642218
673.0	0.574240	679.0	0.516995	685.0	0.441860
691.0	0.391771	697.0	0.343470	703.0	0.286225
709.0	0.259392	715.0	0.202147	721.0	0.184258
727.0	0.133810	733.0	0.126834	739.0	0.116816
745.0	0.084794	751.0	0.087120	757.0	0.054919
763.0	0.056172	769.0	0.050805	775.0	0.032558

Spectrum Graph

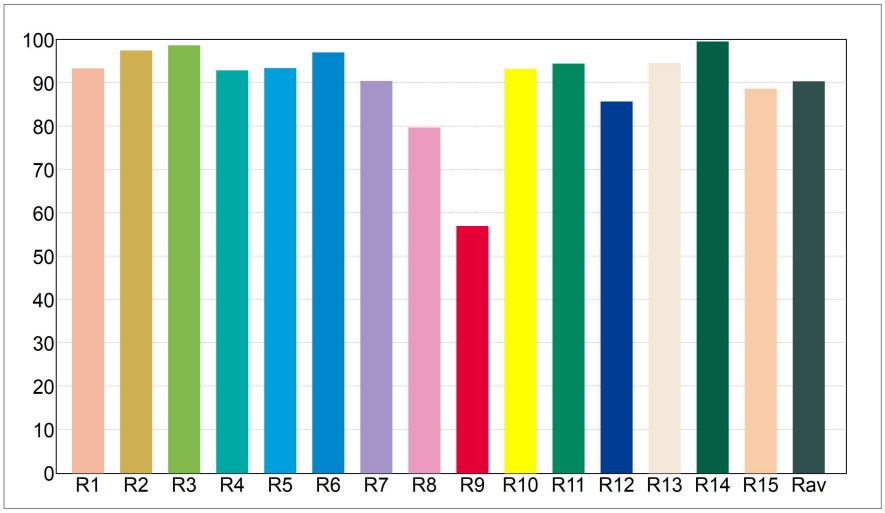


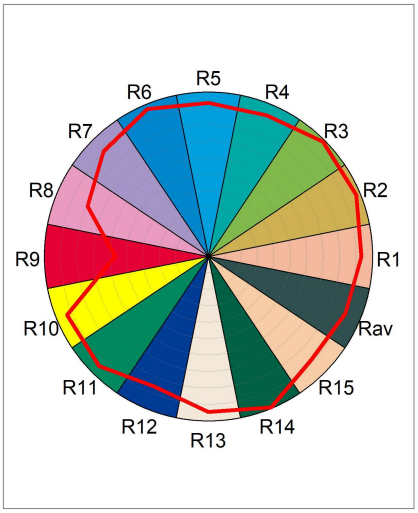


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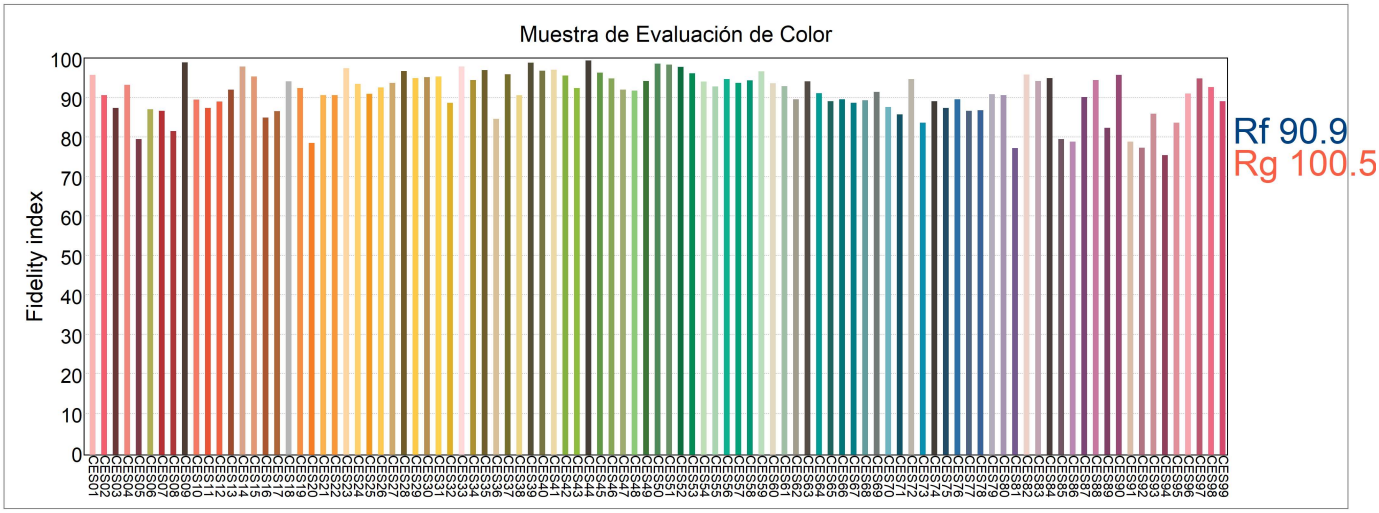
CRI Graphs



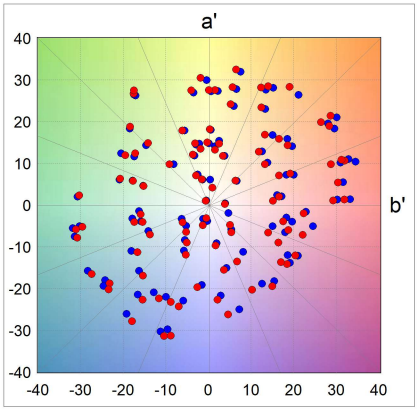


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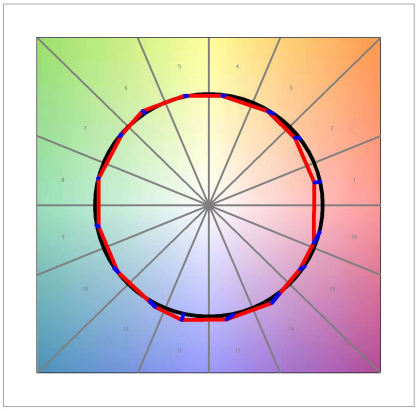
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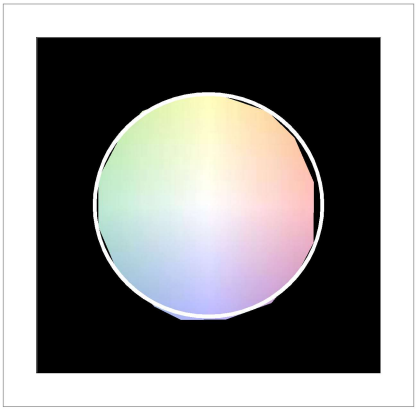
Chromatic Coordinates (a', b') 99 CES



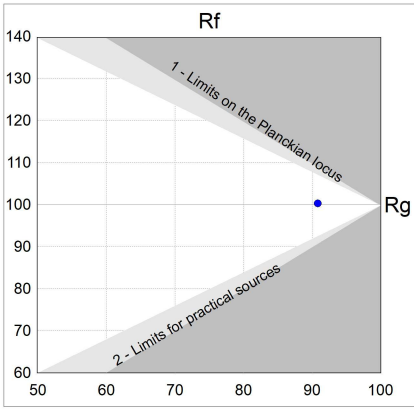
Color Vector Graphic



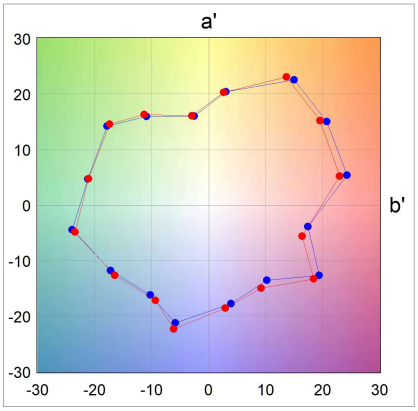
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

