Luminaire

Code	19603400xxx
Name	NUT B/90 TRIAC
Line	

Measurem.

Code	CL092A25D016GP
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	425.0 lm
Maximum	426.62 cd/klm	Position	C=90.0° G=18.0°
Remarks	RM25062604		

Electrical Parameters

Channel 1		Channel 2	
Voltage	230.00 V	Voltage	0.00 V
Current	0.04 A	Current	0.00 A
Power	8.92 W	Power	0.00 W
Frequency	50 Hz	Frequency	0 Hz
Power Factor	0.92	Power Factor	0.00

Environmental Parameters

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

Luminaire Dimensions

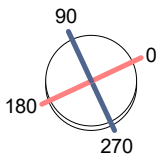
Round Luminaire	Diam.	100 mm	Height	120 mm	
Round Luminous Area	Diam.	80 mm	Height	0 mm	
Horizontal Luminous Area		0.005027 m2	Emitting area on Plane 180°		0.000000 m2
Emitting area on Plane 0°		0.000000 m2	Emitting area on Plane 270°		0.000000 m2
Emitting area on Plane 90°		0.000000 m2	Glare area at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

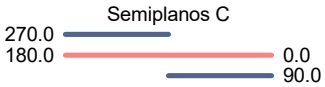
Photometric Assessment

Luminaire Flux	425.0 lm	Source Flux	425.0 lm
Efficacy	47.649 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

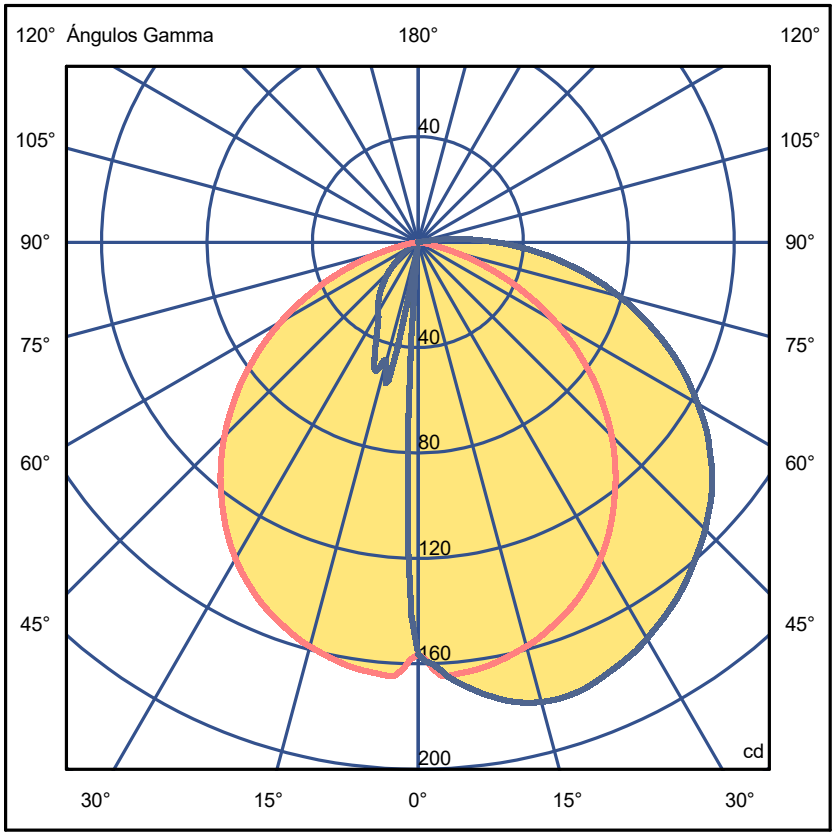


Diam=100mm





ULOR 0.95 %
DLOR 99.05 %
RN 0.95 %



Luminaire
Code 19603400xxx
Name NUT B/90 TRIAC
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Code CL092A25D016GP
Name NUT B/90 TRIAC

Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%		
Source Flux	425 lm	Maximum value	181.32 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	156	156	156	156	156	156	156	156	156	156	156	156	156
G 1.0	142	142	143	146	150	155	158	158	159	158	158	159	159
G 2.0	113	115	120	130	142	153	162	161	160	159	159	159	160
G 3.0	75	81	95	114	134	152	165	163	162	161	161	162	163
G 4.0	37	47	72	103	130	152	165	164	163	163	163	164	165
G 5.0	6	21	57	98	124	147	164	164	164	164	166	167	167
G 6.0	0	18	57	101	126	148	164	164	164	165	167	168	169
G 7.0	0	19	63	110	133	151	164	164	165	166	167	170	171
G 8.0	0	22	71	121	141	155	164	164	165	166	169	171	173
G 9.0	4	28	81	132	150	159	163	164	165	167	170	173	174
G 10.0	22	45	94	141	148	155	162	163	165	167	171	174	176
G 11.0	41	60	103	144	150	156	162	163	165	167	171	175	177
G 12.0	53	71	108	143	149	155	161	163	164	167	172	176	178
G 13.0	55	71	107	142	148	154	160	162	164	167	172	177	179
G 14.0	50	67	104	140	147	153	160	161	164	167	173	178	180
G 15.0	46	64	102	139	145	152	159	161	163	167	173	178	181
G 16.0	47	64	101	137	144	151	158	160	163	166	173	179	181
G 17.0	49	66	101	135	142	150	157	159	162	166	173	179	181
G 18.0	51	67	100	133	141	148	156	159	162	166	173	179	181
G 19.0	51	66	99	131	139	147	155	158	161	165	172	179	181
G 20.0	48	64	97	129	138	146	154	157	160	165	172	178	181
G 21.0	46	61	94	127	136	144	152	155	159	164	171	178	180
G 22.0	43	59	92	125	144	150	151	154	158	164	171	177	180
G 23.0	41	56	90	123	142	149	150	153	157	163	171	177	179
G 24.0	39	54	87	121	140	147	148	152	157	163	170	176	179
G 25.0	37	52	85	118	138	145	147	151	156	162	169	175	178
G 26.0	35	50	83	116	135	143	145	150	155	162	169	175	177
G 27.0	33	48	81	114	133	141	144	148	154	161	168	174	176
G 28.0	32	47	79	111	130	139	142	147	153	160	167	173	176
G 29.0	31	45	77	108	128	136	140	146	152	159	166	172	175
G 30.0	30	44	75	106	125	134	138	144	151	158	165	171	174
G 31.0	30	43	73	103	122	132	137	143	150	157	165	170	173
G 32.0	29	42	71	101	119	129	135	141	149	156	164	169	172
G 33.0	28	41	69	98	117	127	133	140	147	155	163	168	171
G 34.0	27	39	67	95	114	124	130	138	146	154	162	167	169
G 35.0	26	38	64	92	111	121	128	136	145	153	160	166	168
G 36.0	25	36	62	89	108	119	126	134	143	152	159	165	167
G 37.0	24	35	60	87	105	116	124	133	142	150	158	164	166
G 38.0	23	34	58	84	102	113	121	131	140	149	157	162	164
G 39.0	22	32	56	81	99	110	119	129	139	148	155	161	163
G 40.0	21	31	53	78	96	107	117	127	137	146	154	159	162
G 41.0	20	29	51	75	92	105	114	125	135	145	153	158	160
G 42.0	19	28	49	72	89	102	112	123	133	143	151	156	159
G 43.0	18	26	47	69	86	99	109	120	131	141	149	155	157
G 44.0	16	25	44	66	83	96	106	118	129	139	148	154	156
G 45.0	15	23	42	63	79	93	104	116	127	138	146	152	154
G 46.0	14	22	39	59	76	89	101	113	125	136	144	150	152
G 47.0	13	20	37	57	73	86	98	111	123	134	143	148	151
G 48.0	12	19	35	54	70	83	96	108	121	132	141	147	149
G 49.0	11	17	32	50	66	80	93	106	118	130	139	145	147
G 50.0	9	16	30	47	63	77	90	103	116	128	137	143	146
G 51.0	8	14	28	44	60	74	87	101	114	125	135	141	144
G 52.0	7	13	25	41	56	70	84	98	111	123	133	139	142
G 53.0	6	11	23	38	53	67	81	95	109	121	130	137	139
G 54.0	5	10	21	35	49	64	78	92	106	118	128	135	137
G 55.0	4	8	18	31	46	60	75	90	104	116	126	132	135
G 56.0	3	7	16	28	42	57	72	87	101	113	123	130	133
G 57.0	3	6	14	25	39	54	69	84	98	111	121	128	130
G 58.0	2	5	12	22	36	50	66	81	95	108	118	125	128
G 59.0	1	3	10	20	32	47	63	78	93	105	116	123	125
G 60.0	1	2	8	17	29	44	60	75	90	103	113	120	123
G 61.0	0	2	6	14	26	41	56	72	87	100	110	117	120
G 62.0	0	1	4	12	23	38	53	69	84	97	108	115	117
G 63.0	0	1	3	9	20	34	50	66	81	94	105	112	115
G 64.0	0	1	2	7	17	31	47	63	78	92	102	109	112
G 65.0	0	0	1	5	15	28	44	60	75	89	99	107	109
G 66.0	0	0	1	3	12	26	41	57	72	86	97	104	106
G 67.0	0	1	1	2	11	23	38	54	69	83	94	101	104
G 68.0	0	0	1	1	9	21	34	51	66	80	91	98	100
G 69.0	0	0	0	1	8	18	31	48	63	77	88	95	97
G 70.0	0	0	0	0	7	16	28	44	60	74	85	92	94
G 71.0	0	0	0	0	6	14	25	41	57	71	82	89	92
G 72.0	0	0	0	0	5	12	22	38	54	68	79	86	88

Luminaire
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Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 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	11	19	35	50	65	76	83	85
G 74.0	0	0	0	0	3	9	16	32	47	61	73	80	82
G 75.0	0	0	0	0	2	7	14	29	44	58	69	76	79
G 76.0	0	0	0	0	2	5	11	26	41	55	66	73	76
G 77.0	0	0	0	0	1	4	9	23	38	52	63	70	73
G 78.0	0	0	0	0	1	3	7	20	35	49	60	67	69
G 79.0	0	0	0	0	2	3	5	18	32	46	57	64	66
G 80.0	0	0	0	0	1	2	3	15	29	42	53	60	63
G 81.0	0	0	0	0	1	2	2	13	27	39	50	57	59
G 82.0	0	0	0	0	0	1	1	12	24	36	46	54	56
G 83.0	0	0	0	0	0	0	1	10	21	33	43	50	53
G 84.0	0	0	0	0	0	0	0	9	19	30	40	47	50
G 85.0	0	0	0	0	0	0	0	7	17	27	36	43	46
G 86.0	0	0	0	0	0	0	0	6	15	24	33	40	43
G 87.0	0	0	0	0	0	0	0	5	12	21	30	37	40
G 88.0	0	0	0	0	0	0	0	4	10	18	26	33	36
G 89.0	0	0	0	0	0	0	0	3	8	15	23	30	33
G 90.0	0	0	0	0	0	0	0	2	6	12	20	27	30
G 91.0	0	0	0	0	0	0	0	3	6	10	17	23	26
G 92.0	0	0	0	0	0	0	0	2	4	8	14	20	23
G 93.0	0	0	0	0	0	0	0	1	3	6	12	18	20
G 94.0	0	0	0	0	0	0	0	1	2	4	9	15	17
G 95.0	0	0	0	0	0	0	0	0	1	3	7	12	14
G 96.0	0	0	0	0	0	0	0	0	1	2	6	10	12
G 97.0	0	0	0	0	0	0	0	0	1	1	4	7	9
G 98.0	0	0	0	0	0	0	0	0	0	0	3	5	7
G 99.0	0	0	0	0	0	0	0	0	0	0	2	4	4
G100.0	0	0	0	0	0	0	0	0	0	0	1	2	3
G101.0	0	0	0	0	0	0	0	0	0	0	1	1	2
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	1	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

Luminaire
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Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

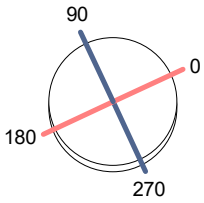
Luminous Intensity Table cd **Table 3/3**

	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

Luminaire
Code 19603400xxx
Name NUT B/90 TRIAC
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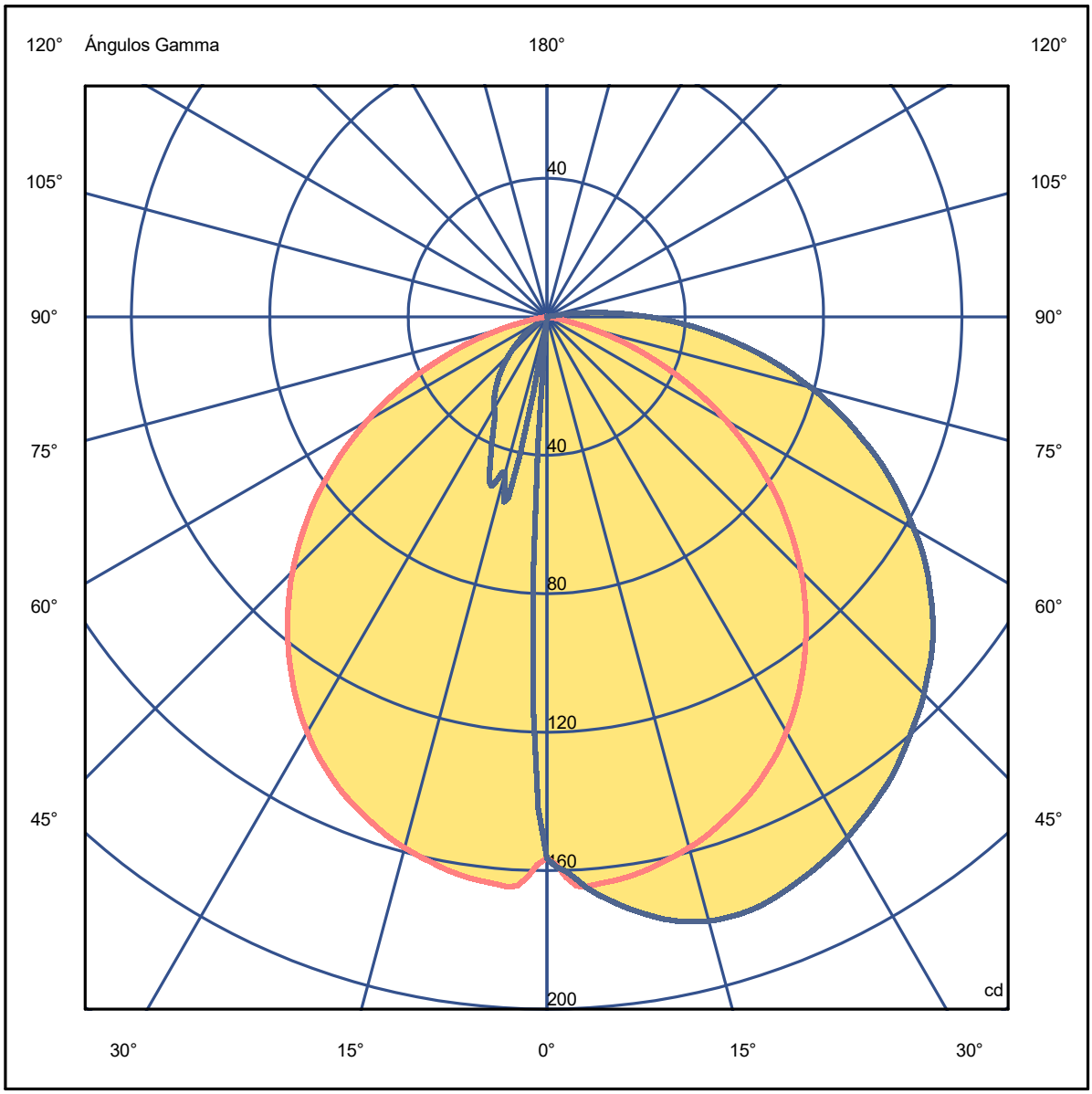
Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Diam=100mm



Semiplanos C





Luminaire
Code 19603400xxx
Name NUT B/90 TRIAC
Measurem.
Code CL092A25D016GP
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Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 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	24.1	25.4	24.4	25.6	25.9	13.8	15.1	14.1	15.3	15.6
x=2H y=3H	25.1	26.3	25.5	26.6	26.9	13.6	14.8	13.9	15.1	15.3
x=2H y=4H	25.4	26.5	25.8	26.8	27.1	13.5	14.6	13.9	14.9	15.2
x=2H y=6H	25.4	26.5	25.8	26.8	27.1	13.4	14.5	13.8	14.8	15.1
x=2H y=8H	25.4	26.4	25.8	26.7	27.1	13.4	14.4	13.7	14.7	15.0
x=2H y=12H	25.4	26.3	25.8	26.7	27.0	13.3	14.3	13.7	14.6	15.0
x=4H y=2H	25.0	26.1	25.4	26.4	26.7	14.6	15.7	14.9	16.0	16.3
x=4H y=3H	26.4	27.3	26.8	27.7	28.0	14.4	15.4	14.8	15.7	16.1
x=4H y=4H	26.8	27.7	27.2	28.0	28.4	14.4	15.2	14.8	15.6	16.0
x=4H y=6H	27.0	27.8	27.4	28.1	28.6	14.3	15.0	14.7	15.4	15.8
x=4H y=8H	27.0	27.7	27.5	28.1	28.5	14.2	14.9	14.7	15.3	15.8
x=4H y=12H	27.0	27.6	27.4	28.0	28.5	14.2	14.8	14.7	15.3	15.7
x=8H y=4H	27.6	28.3	28.1	28.7	29.1	14.3	15.0	14.8	15.4	15.9
x=8H y=6H	28.1	28.6	28.5	29.1	29.6	14.3	14.8	14.7	15.3	15.8
x=8H y=8H	28.2	28.7	28.7	29.2	29.7	14.2	14.7	14.7	15.2	15.7
x=8H y=12H	28.2	28.7	28.7	29.2	29.7	14.2	14.6	14.7	15.1	15.6
x=12H y=4H	27.8	28.4	28.3	28.9	29.3	14.3	14.9	14.8	15.4	15.8
x=12H y=6H	28.4	28.9	28.9	29.4	29.9	14.2	14.7	14.7	15.2	15.7
x=12H y=8H	28.6	29.1	29.1	29.6	30.1	14.2	14.6	14.7	15.1	15.7

Luminaire
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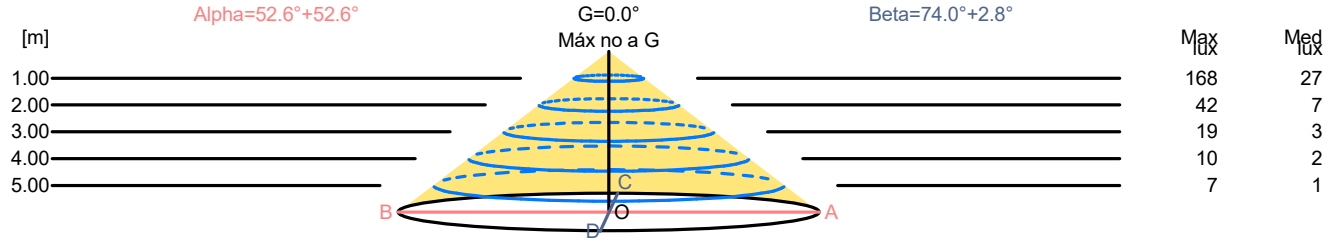
Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Width at 50.00 % of Max Intensity

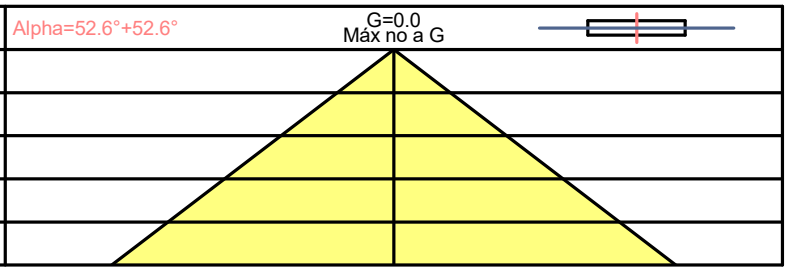
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.31	2.62	3.93	5.24	6.55	OC	3.48	6.96	10.45	13.93	17.41
OB	1.31	2.62	3.93	5.24	6.55	OD	0.05	0.10	0.15	0.20	0.24

Luminous Intensities [cd]

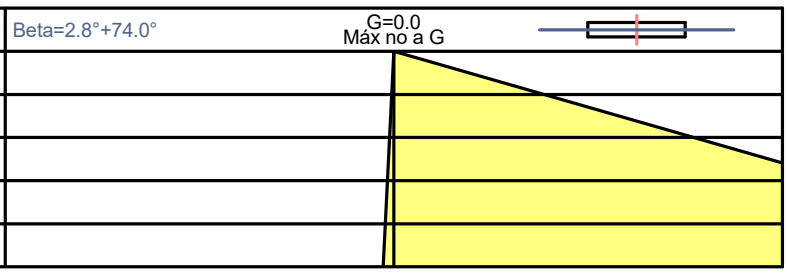
	0	5	15	25	35	45	55	65	75	85
OA	156.41	164.49	158.75	146.94	128.15	103.89	75.13	43.95	13.75	0.23
OB	156.41	164.49	158.75	146.94	128.15	103.89	75.13	43.95	13.75	0.23
OC	156.41	167.42	180.68	177.88	168.23	154.12	134.89	109.11	78.97	46.28
OD	156.41	5.99	46.48	36.74	25.90	15.30	4.36	0.11	0.02	0.04



H[m]	D[m]	Max lux	Med lux
1.00	2.62	168	27
2.00	5.24	42	7
3.00	7.85	19	3
4.00	10.47	10	2
5.00	13.09	7	1



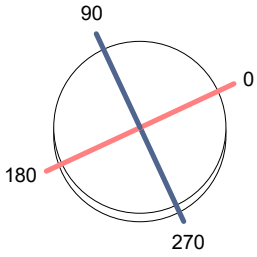
H[m]	D[m]	Max lux	Med lux
1.00	3.53	168	27
2.00	7.06	42	7
3.00	10.59	19	3
4.00	14.12	10	2
5.00	17.65	7	1



Luminaire
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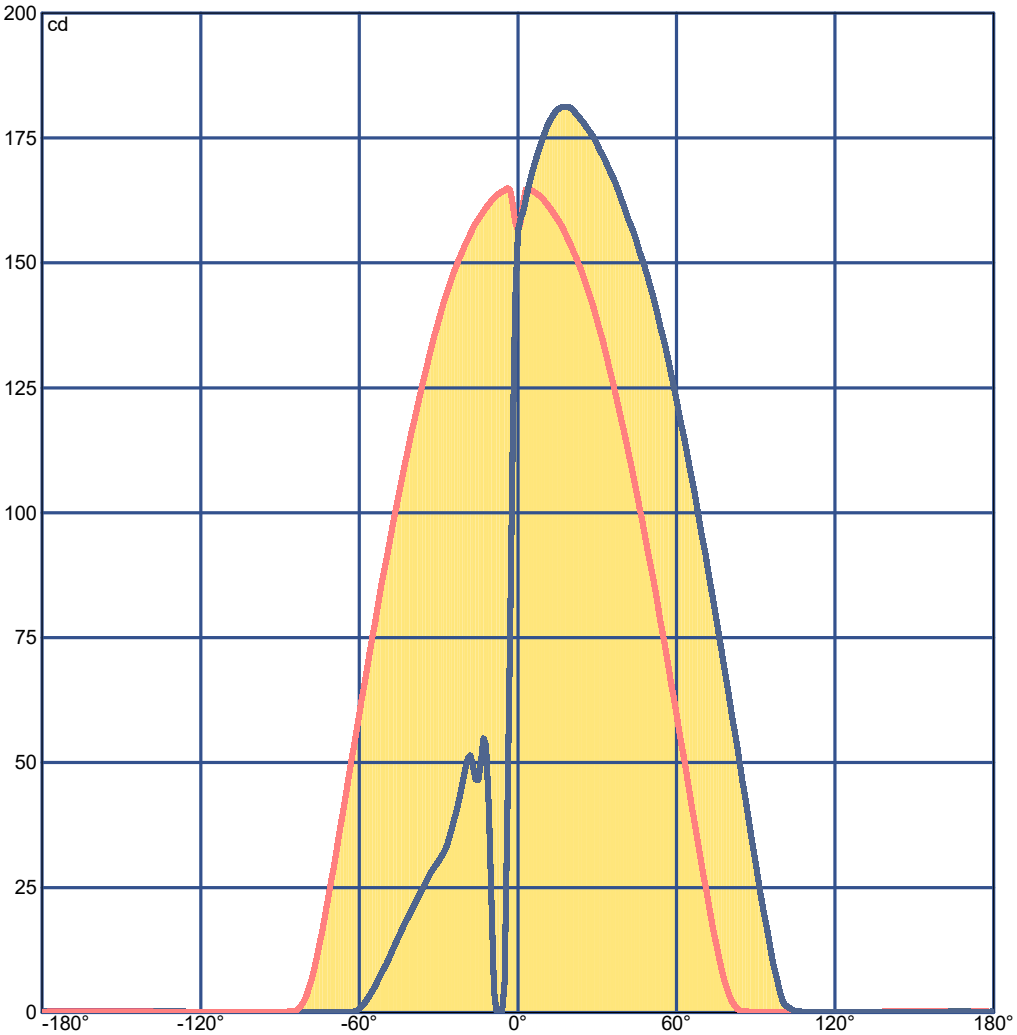
Luminaire Flux	425 lm	Luminaire Power	8.9 W	Efficacy	47.649 lm/W	Efficiency	100.00%
Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Diam=100mm



Semiplanos C





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Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Flujo Total=425.03 Flujo Luminaria=425.03

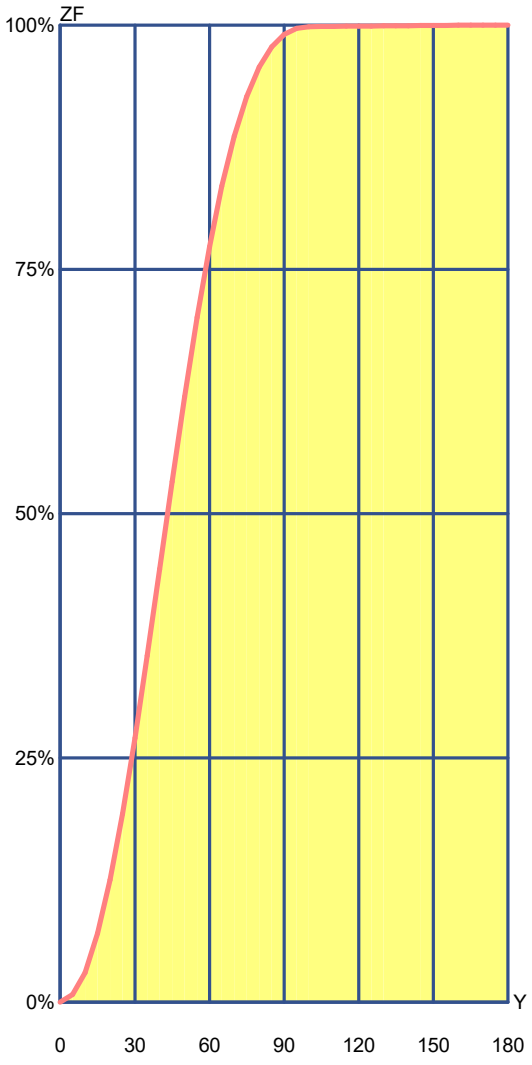
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.39	0.46	0.53	0.59	0.67	0.73	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	6	6

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 %



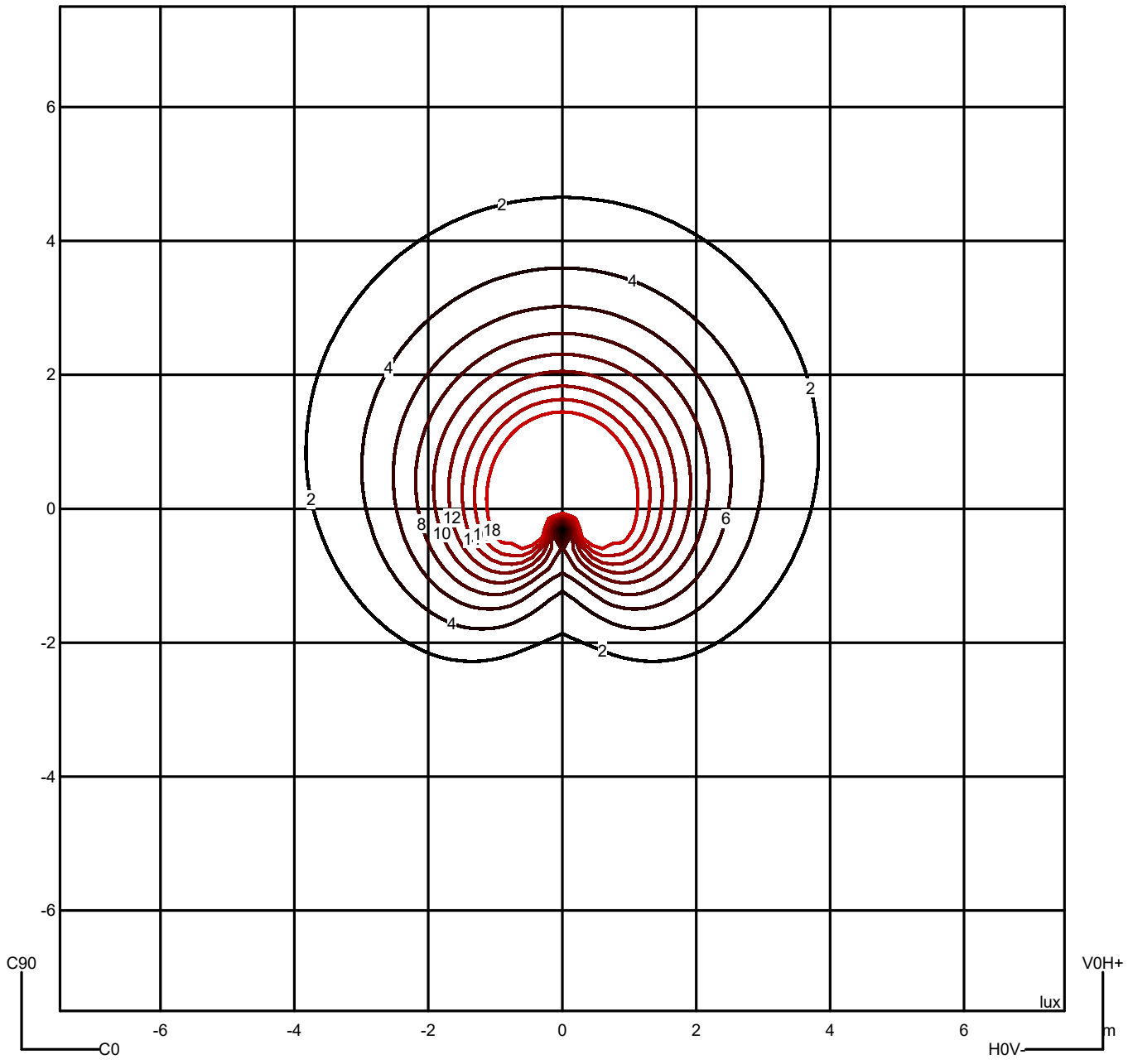
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.73	7.73	0.77 %	0.77 %
10°	22.36	30.09	2.24 %	3.01 %
15°	40.22	70.31	4.02 %	7.03 %
20°	54.89	125.21	5.49 %	12.52 %
25°	67.53	192.74	6.75 %	19.27 %
30°	77.40	270.14	7.74 %	27.01 %
35°	84.51	354.65	8.45 %	35.47 %
40°	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 %

Luminaire
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Source Flux	425 lm	Maximum value	181.32 cd	Position	C=90.00 G=18.00	CG	Sym. on planes 270-90

Isolux (Floor)

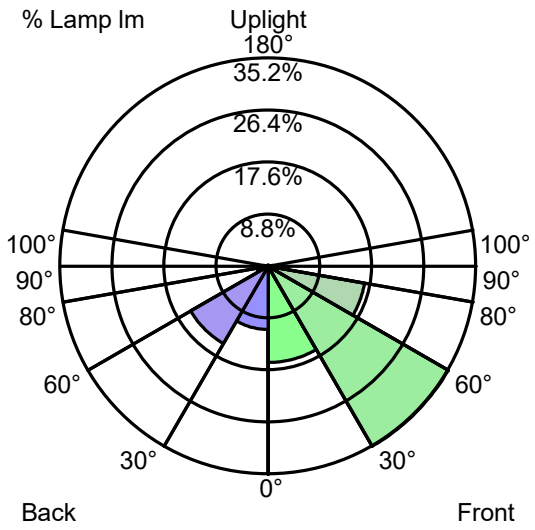
Luminaire position X=0.00m Y=0.00m Z=2.50m

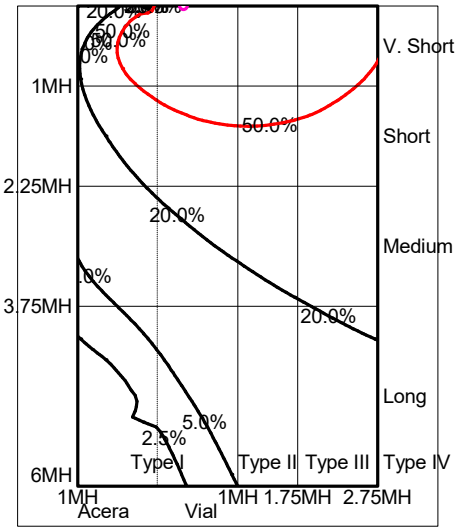


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US ROAD STANDARDS





Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	69.3 lm	16.3 %	16.3 %
FM	30° -- 60°	149.6 lm	35.2 %	35.2 %
FH	60° -- 80°	70.5 lm	16.6 %	16.6 %
FVH	80° -- 90°	14.1 lm	3.3 %	3.3 %
BL	0° -- 30°	45.5 lm	10.7 %	10.7 %
BM	30° -- 60°	64.3 lm	15.1 %	15.1 %
BH	60° -- 80°	7.7 lm	1.8 %	1.8 %
BVH	80° -- 90°	0.1 lm	0.0 %	0.0 %
UL	90° -- 100°	3.3 lm	0.8 %	0.8 %
UH	100° -- 180°	0.7 lm	0.2 %	0.2 %
TOTALS		425.0 lm	100.0 %	100.0 %
BUG B0 U1 G1 Type IV Very Short Asymmetrical				

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Source Flux	425 lm	Maximum value	181.32 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]*

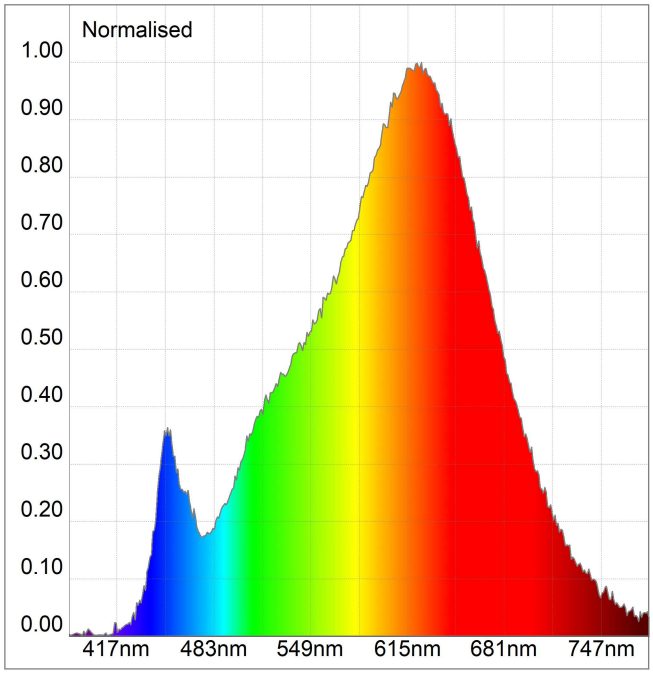
CRI8(Ra) [92.7]* CRI15(Rav) [90.2]*

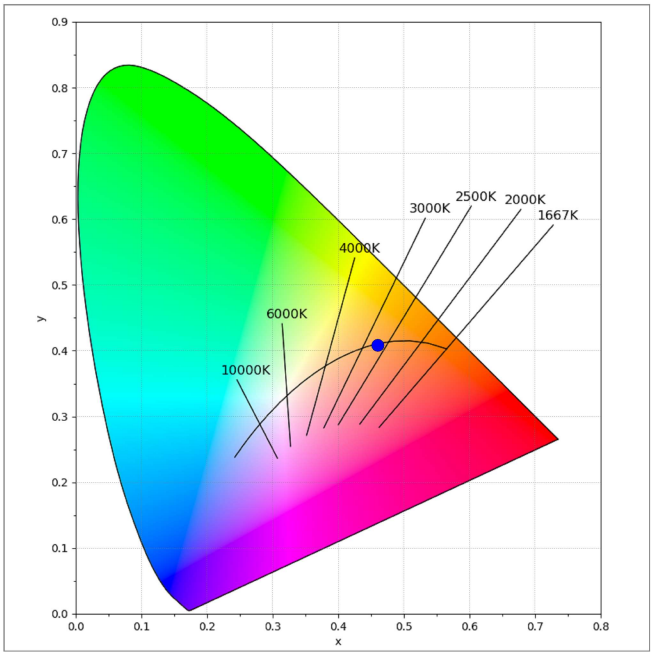
R 1: 93.1	R 2: 97.3	R 3: 98.5	R 4: 92.7	R 5: 93.2
R 6: 96.9	R 7: 90.3	R 8: 79.6	R 9: 56.9	R10: 93.1
R11: 94.2	R12: 85.6	R13: 94.4	R14: 99.4	R15: 88.5

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

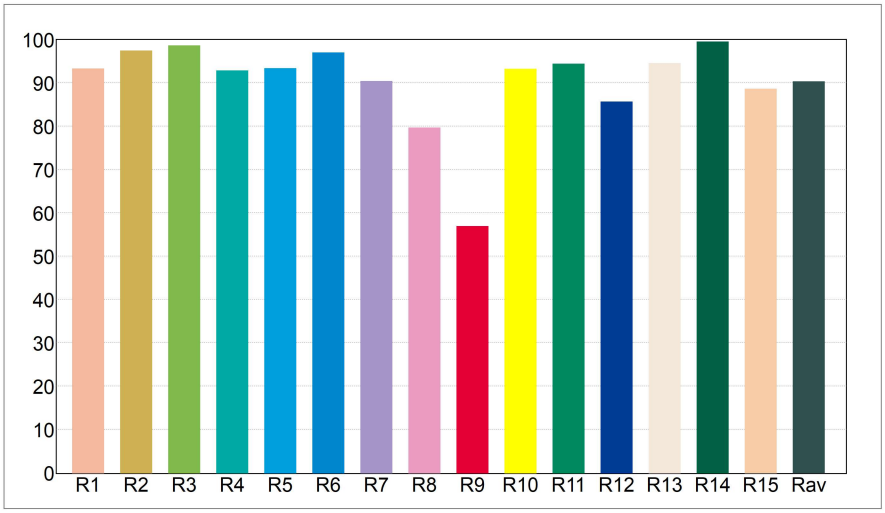


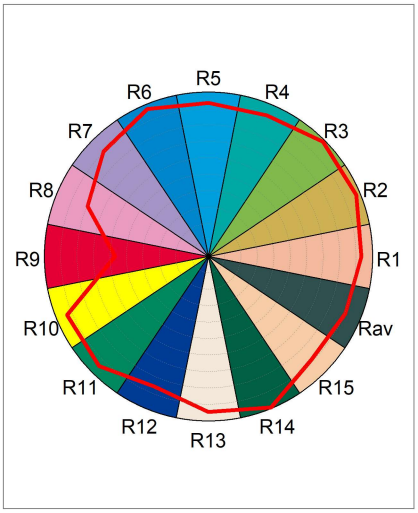


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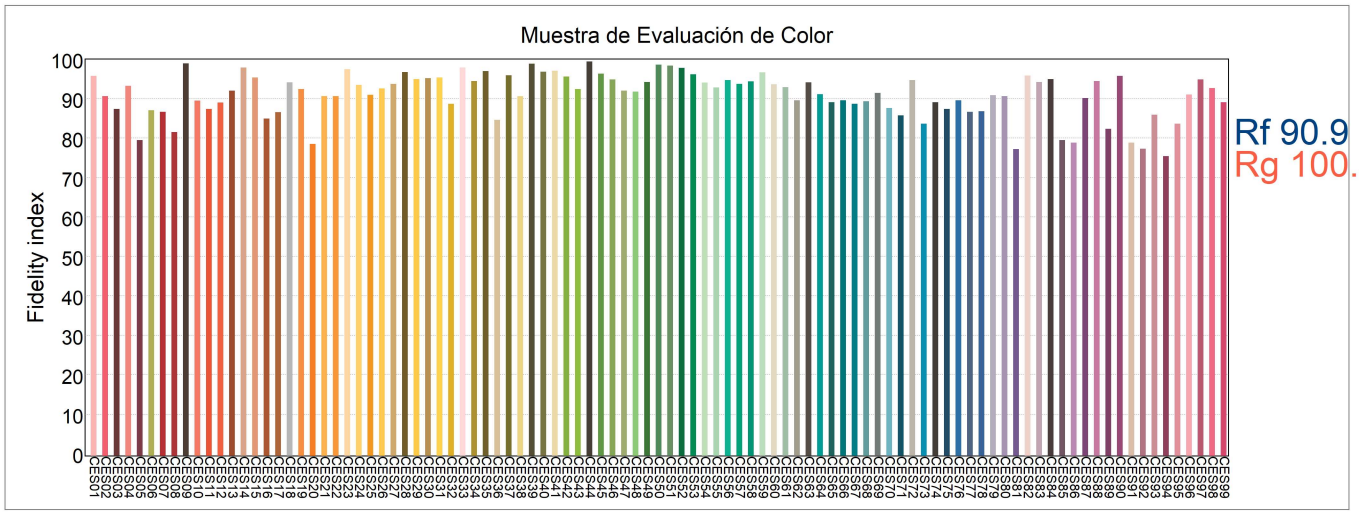
CRI Graphs



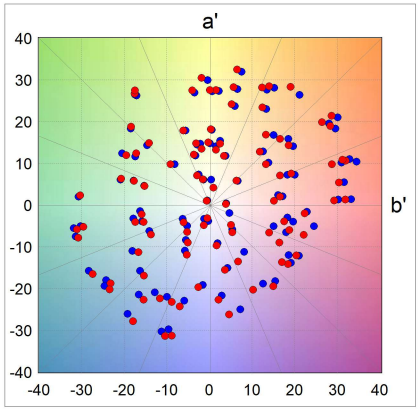


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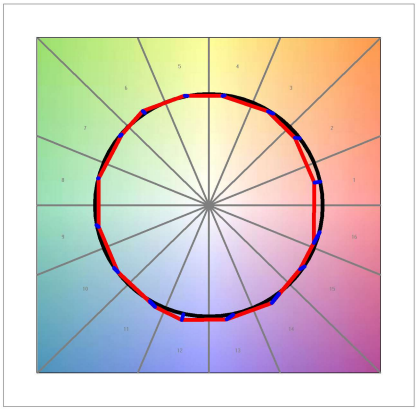
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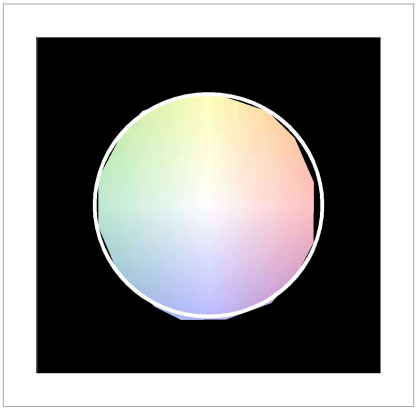
Chromatic Coordinates (a', b') 99 CES



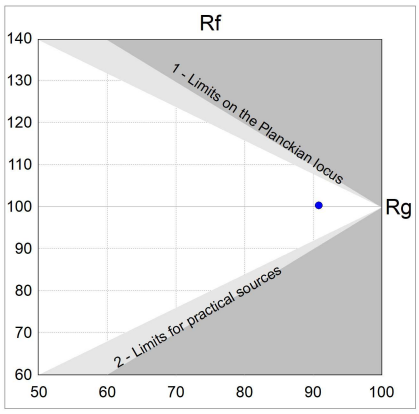
Color Vector Graphic



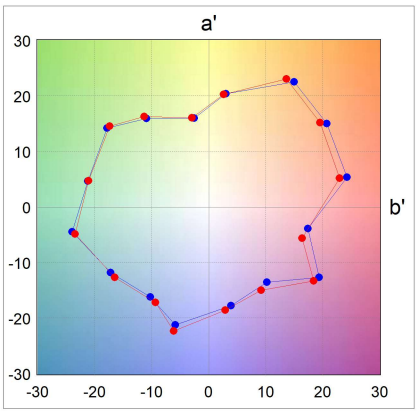
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

