Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

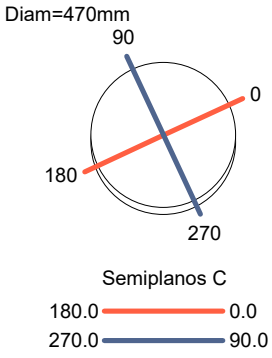
Round Luminaire	Diam. 470 mm	Height	470 mm
Round Luminous Area	Diam. 470 mm	Height	470 mm
Horizontal Luminous Area	0.173494 m2	Emitting area on Plane 180°	0.220900 m2
Emitting area on Plane 0°	0.220900 m2	Emitting area on Plane 270°	0.220900 m2
Emitting area on Plane 90°	0.220900 m2	Glare area at 76°	0.256310 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	09-02-2021	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	2069.81 lm
Operator	ASSELUM	Rated Voltage	230.23 V
Temperature	25.10 °C	Rated Current	0.12 A
Humidity	29.50 %	Photocell	Prc
Notes	RM20111706		

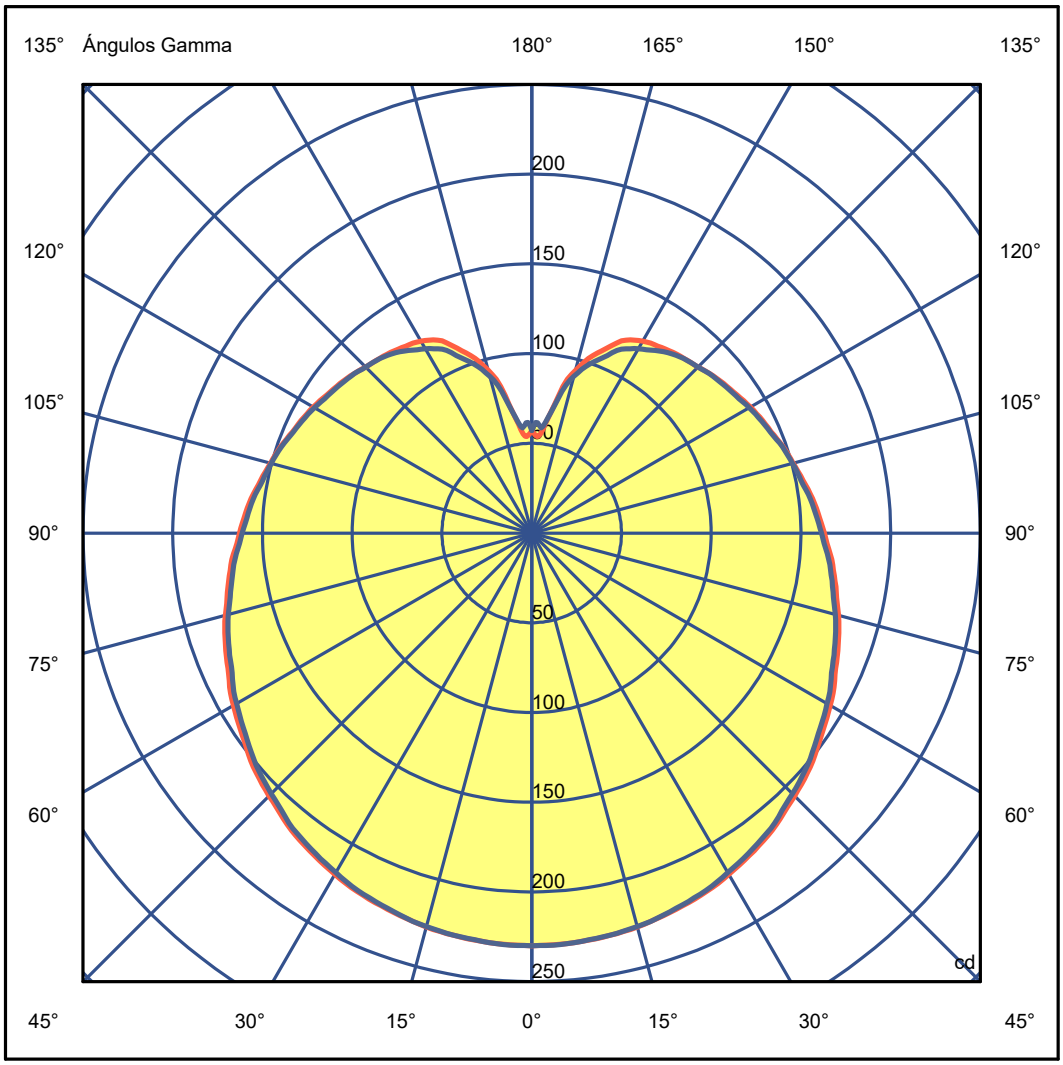
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
Mid-Power LED -5630 Series 5000	SE000-5630XX9003-00000000-00004		2069.81	25.89	1

C.I.E.	28 54 78 58 100	D DIN 5040	C11
F UTE	0.58 J + 0.42 T	B NBN	BZ 7







ULOR 41.53 %
DLOR 58.47 %
RN 41.53 %

Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

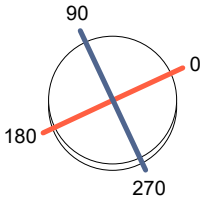
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	229.87	229.87	229.87	229.87	229.87	229.87	229.87
G 2.5	229.76	229.75	229.76	229.77	229.79	229.82	229.83
G 5.0	229.54	229.51	229.49	229.48	229.52	229.57	229.60
G 7.5	229.05	229.07	229.12	229.13	229.07	228.98	228.94
G 10.0	228.55	228.52	228.54	228.54	228.49	228.42	228.38
G 12.5	227.93	227.89	227.91	227.93	227.88	227.81	227.78
G 15.0	227.20	227.10	227.03	227.00	226.97	226.96	226.96
G 17.5	226.11	226.08	226.09	226.09	226.04	225.98	225.94
G 20.0	224.94	224.98	225.06	225.06	224.87	224.62	224.50
G 22.5	223.80	223.73	223.72	223.68	223.53	223.35	223.27
G 25.0	222.63	222.49	222.41	222.32	222.17	222.02	221.95
G 27.5	221.27	220.98	220.69	220.49	220.43	220.47	220.50
G 30.0	219.53	219.35	219.15	218.91	218.66	218.45	218.36
G 32.5	217.73	217.44	217.17	216.88	216.71	216.61	216.58
G 35.0	215.99	215.68	215.38	215.05	214.86	214.73	214.69
G 37.5	214.14	213.75	213.34	212.93	212.77	212.73	212.73
G 40.0	211.99	211.61	211.17	210.75	210.63	210.65	210.68
G 42.5	209.19	209.04	208.93	208.70	208.26	207.80	207.59
G 45.0	207.02	206.66	206.35	205.97	205.68	205.45	205.35
G 47.5	204.81	204.43	204.08	203.67	203.38	203.15	203.06
G 50.0	202.52	202.00	201.45	200.92	200.71	200.67	200.68
G 52.5	199.66	199.29	198.86	198.44	198.09	197.85	197.76
G 55.0	196.76	196.47	196.22	195.83	195.41	195.02	194.85
G 57.5	194.37	193.94	193.55	193.11	192.78	192.52	192.42
G 60.0	191.93	191.49	191.13	190.70	190.35	190.07	189.96
G 62.5	189.61	188.93	188.25	187.73	187.40	187.29	187.43
G 65.0	186.36	186.05	185.77	185.40	184.91	184.45	184.25
G 67.5	183.98	183.53	183.12	182.68	182.34	182.08	181.99
G 70.0	181.68	181.11	180.66	180.28	179.93	179.66	179.70
G 72.5	179.40	178.81	178.27	177.86	177.54	177.37	177.47
G 75.0	176.80	176.33	175.82	175.39	175.14	175.04	175.01
G 77.5	174.06	173.80	173.57	173.27	172.84	172.44	172.26
G 80.0	171.96	171.41	170.94	170.57	170.32	170.17	170.13
G 82.5	169.75	169.27	168.87	168.54	168.24	168.03	168.08
G 85.0	167.74	167.09	166.44	165.98	165.80	165.82	166.04
G 87.5	164.95	164.64	164.35	164.06	163.76	163.53	163.43
G 90.0	162.94	162.64	162.35	162.00	161.71	161.48	161.39
G 92.5	160.94	160.51	160.14	159.85	159.62	159.48	159.44
G 95.0	159.13	158.68	158.30	158.01	157.82	157.73	157.70
G 97.5	157.25	156.74	156.22	155.88	155.76	155.82	156.02
G100.0	154.77	154.58	154.41	154.17	153.93	153.71	153.62
G102.5	152.72	152.42	152.24	152.13	152.04	151.99	151.97
G105.0	150.74	150.57	150.48	150.37	150.35	150.34	150.34
G107.5	149.06	148.77	148.57	148.49	148.49	148.54	148.69
G110.0	147.28	146.99	146.71	146.56	146.55	146.65	146.84
G112.5	145.16	145.14	145.10	144.95	144.86	144.77	144.73
G115.0	143.63	143.41	143.22	143.09	143.06	143.07	143.08
G117.5	142.13	141.93	141.75	141.62	141.52	141.46	141.43
G120.0	140.62	140.31	140.03	139.79	139.76	139.83	139.87
G122.5	138.79	138.51	138.34	138.39	138.20	138.03	137.96
G125.0	137.19	136.93	136.79	136.90	136.75	136.61	136.55
G127.5	135.79	135.49	135.34	135.48	135.37	135.26	135.21
G130.0	134.37	134.12	134.01	134.21	134.11	133.98	133.92
G132.5	132.74	132.77	132.79	132.78	132.72	132.63	132.58
G135.0	130.95	130.93	131.10	131.47	131.31	131.03	130.88
G137.5	129.81	129.51	129.39	129.64	129.68	129.69	129.70
G140.0	128.68	128.50	128.37	128.26	128.26	128.28	128.29
G142.5	127.54	126.89	126.17	125.56	125.70	126.12	126.36
G145.0	126.18	125.00	123.53	122.11	122.44	123.40	123.94
G147.5	125.10	122.76	120.01	118.37	118.79	120.21	121.03
G150.0	123.58	120.39	116.86	114.86	115.58	117.55	118.68
G152.5	121.33	118.15	114.69	112.66	113.15	114.86	115.86
G155.0	118.19	115.02	111.55	109.47	109.84	111.41	112.34
G157.5	112.35	110.19	107.76	106.03	105.66	106.09	106.42
G160.0	106.78	104.78	102.78	101.28	100.99	101.37	101.67
G162.5	101.11	99.02	96.78	95.35	95.35	96.10	96.58
G165.0	94.02	92.08	90.00	88.74	88.95	89.88	90.43
G167.5	85.92	83.92	81.40	79.90	80.47	82.00	82.87
G170.0	72.72	72.77	72.37	71.94	71.81	71.88	71.94
G172.5	63.14	63.27	63.13	63.04	63.26	63.60	63.78
G175.0	55.41	56.55	57.52	58.26	58.69	58.89	58.94
G177.5	54.23	54.13	53.99	54.73	57.48	60.54	61.99
G180.0	57.16	57.16	57.16	57.16	57.16	57.16	57.16

Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

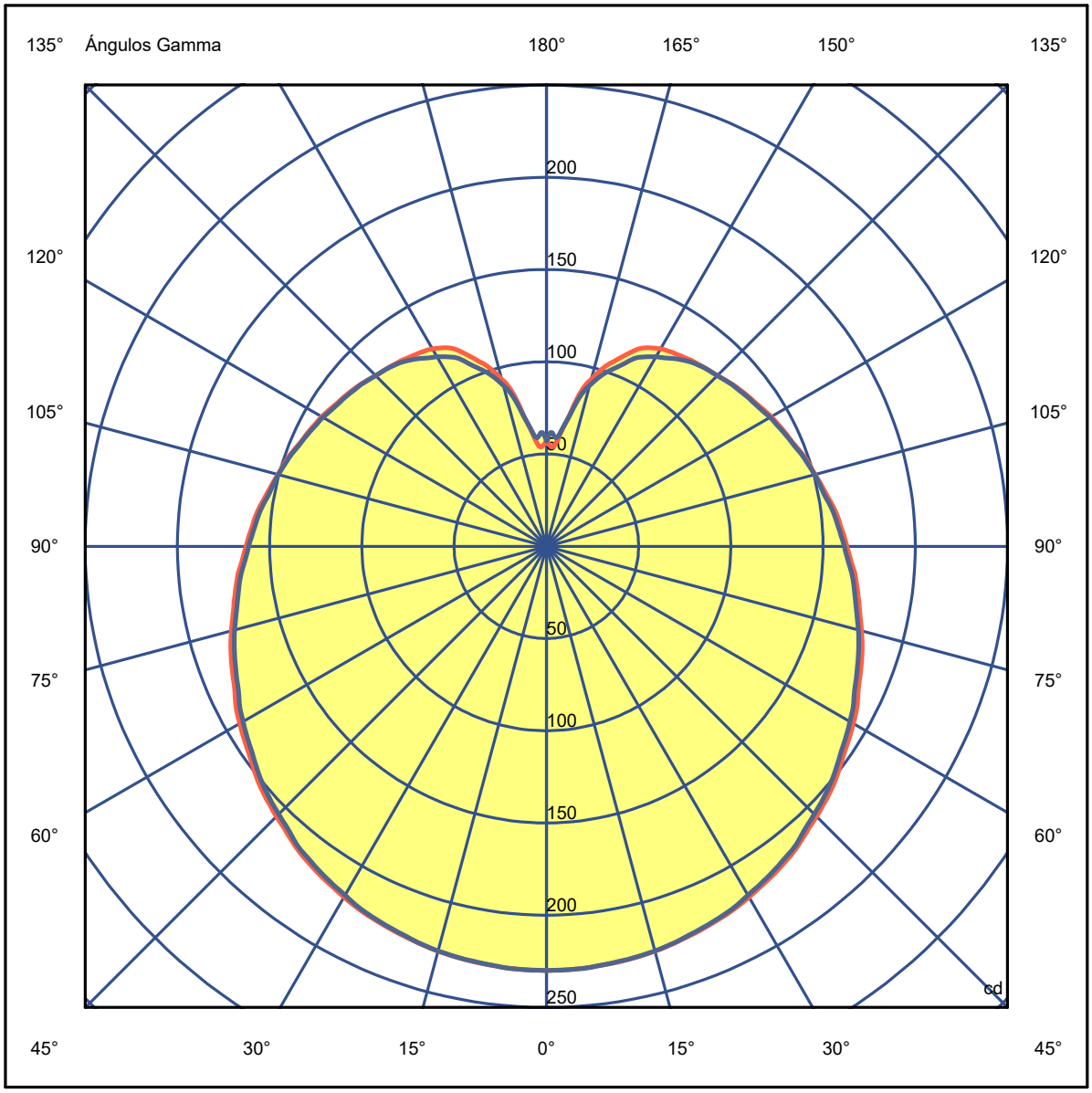
Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=470mm



Semiplanos C

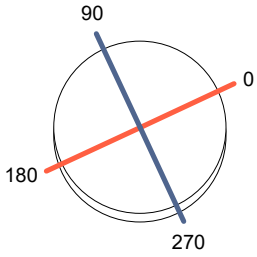




Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

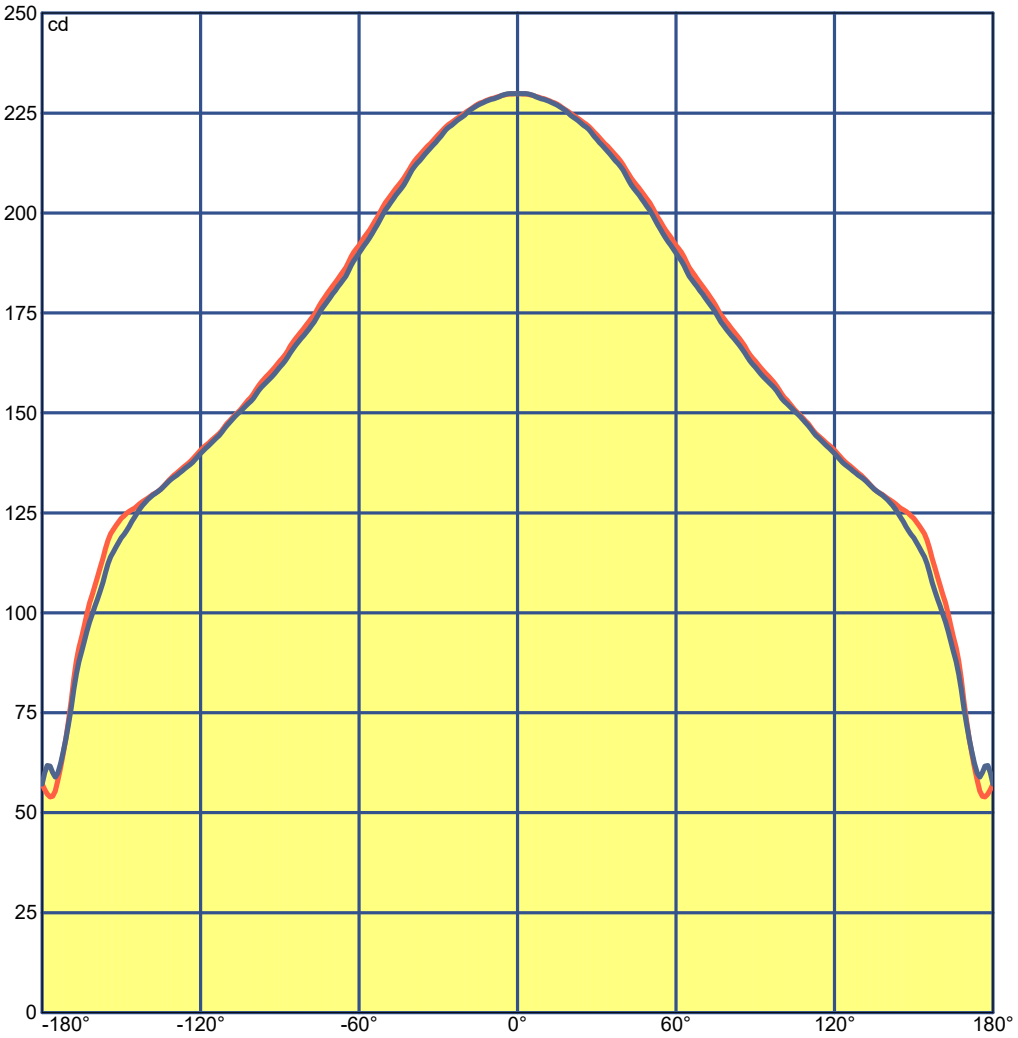
Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=470mm



Semiplanos C





Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	8.5	9.5	9.3	10.3	11.4	8.4	9.4	9.2	10.3	11.3
x=2H y=3H	10.7	11.6	11.6	12.5	13.6	10.7	11.6	11.5	12.4	13.5
x=2H y=4H	11.9	12.8	12.7	13.6	14.7	11.8	12.7	12.7	13.6	14.6
x=2H y=6H	13.1	13.9	13.9	14.7	15.9	13.0	13.8	13.9	14.7	15.8
x=2H y=8H	13.6	14.4	14.5	15.3	16.4	13.6	14.3	14.4	15.2	16.3
x=2H y=12H	14.2	14.9	15.0	15.8	16.9	14.1	14.9	15.0	15.8	16.9
x=4H y=2H	9.2	10.1	10.1	10.9	12.0	9.2	10.0	10.0	10.9	12.0
x=4H y=3H	11.7	12.4	12.5	13.3	14.4	11.6	12.4	12.5	13.3	14.4
x=4H y=4H	13.0	13.7	13.9	14.6	15.7	12.9	13.6	13.8	14.5	15.7
x=4H y=6H	14.3	14.9	15.2	15.8	17.0	14.3	14.9	15.2	15.8	17.0
x=4H y=8H	15.0	15.5	15.9	16.5	17.7	14.9	15.5	15.8	16.4	17.6
x=4H y=12H	15.6	16.1	16.6	17.1	18.3	15.6	16.1	16.5	17.0	18.2
x=8H y=4H	13.5	14.0	14.4	15.0	16.1	13.4	14.0	14.3	14.9	16.1
x=8H y=6H	15.0	15.5	16.0	16.5	17.7	15.0	15.5	15.9	16.4	17.6
x=8H y=8H	15.8	16.3	16.8	17.2	18.5	15.8	16.2	16.8	17.2	18.4
x=8H y=12H	16.7	17.0	17.6	18.0	19.3	16.6	17.0	17.6	18.0	19.2
x=12H y=4H	14.4	14.9	15.3	15.8	17.0	14.3	14.9	15.3	15.8	17.0
x=12H y=6H	15.7	16.1	16.7	17.1	18.3	15.7	16.1	16.6	17.1	18.3
x=12H y=8H	16.5	16.9	17.5	17.8	19.1	16.5	16.8	17.4	17.8	19.1

Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=2069.81 Flujo Luminaria=2069.81

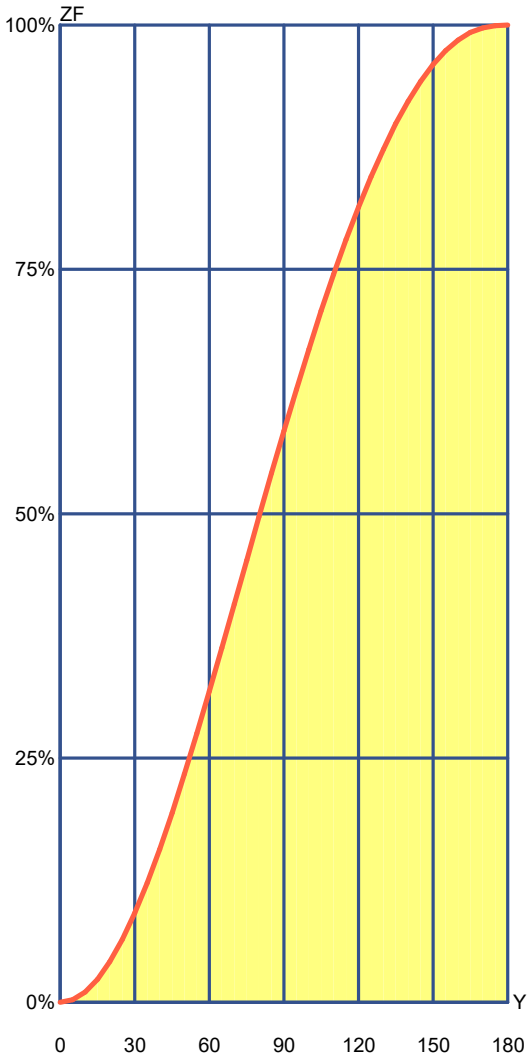
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.18	0.24	0.30	0.36	0.41	0.49	0.55	0.60	0.66	0.71	0.82	0.89
RC	8	8	8	8	8	8	8	8	8	8	8	8

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)	11	42	91	156	234	318	407	497	585	668	745	814	873	922	960	985	997	1000

Códigos de Flujo C.I.E.
28 54 78 58 100

C.I.E.	8	LOR	100.00000 %
D DIN 5040	C11	ULOR	41.52663 %
F UTE	0.58 J + 0.42 T	DLOR	58.47337 %
B NBN	BZ 7	UFF	41.52663 %
RN	41.52663 %	DFF	58.47337 %
BLF	1.0	FFR	71.01802 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.65	2.65	0.27 %	0.27 %
10°	7.92	10.57	0.79 %	1.06 %
15°	13.06	23.63	1.31 %	2.36 %
20°	17.99	41.62	1.80 %	4.16 %
25°	22.66	64.28	2.27 %	6.43 %
30°	26.97	91.25	2.70 %	9.13 %
35°	30.87	122.13	3.09 %	12.21 %
40°	34.35	156.48	3.44 %	15.65 %
45°	37.30	193.78	3.73 %	19.38 %
50°	39.77	233.55	3.98 %	23.36 %
55°	41.71	275.26	4.17 %	27.53 %
60°	43.16	318.42	4.32 %	31.84 %
65°	44.17	362.58	4.42 %	36.26 %
70°	44.73	407.31	4.47 %	40.73 %
75°	44.96	452.27	4.50 %	45.23 %
80°	44.77	497.04	4.48 %	49.70 %
85°	44.26	541.31	4.43 %	54.13 %
90°	43.43	584.73	4.34 %	58.47 %
95°	42.34	627.08	4.23 %	62.71 %
100°	41.00	668.08	4.10 %	66.81 %
105°	39.36	707.44	3.94 %	70.74 %
110°	37.54	744.98	3.75 %	74.50 %
115°	35.47	780.45	3.55 %	78.05 %
120°	33.27	813.72	3.33 %	81.37 %
125°	30.90	844.63	3.09 %	84.46 %
130°	28.46	873.08	2.85 %	87.31 %
135°	25.91	898.99	2.59 %	89.90 %
140°	23.20	922.20	2.32 %	92.22 %
145°	20.34	942.53	2.03 %	94.25 %
150°	17.17	959.70	1.72 %	95.97 %
155°	14.09	973.78	1.41 %	97.38 %
160°	10.90	984.68	1.09 %	98.47 %
165°	7.72	992.40	0.77 %	99.24 %
170°	4.70	997.10	0.47 %	99.71 %
175°	2.24	999.34	0.22 %	99.93 %
180°	0.66	1000.00	0.07 %	100.00 %

Luminaire
Code 32302yyyxxx
Name ELIPSE S/50 LED
Measurem.
Code CL092A21F005G
Name ELIPSE S/50 LED

Luminaire Flux	2069.81 lm	Luminaire Power	25.89 W	Efficacy	79.96 lm/W	Efficiency	100.00%
Sources Flux	2069.81 lm	Maximum value	229.87 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

