Luminaire
Code 26404214100
Name SYRA 45 OUTDOOR WHITE
Measurem.
Code CL092A22F001G
Name SYRA 45 OUTDOOR WHITE

Luminaire Flux	1172.16 lm	Luminaire Power	24.30 W	Efficacy	48.24 lm/W	Efficiency	100.00%
Sources Flux	1172.16 lm	Maximum value	628.12 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 460 mm	Height	330 mm
Round Luminous Area	Diam. 190 mm	Height	50 mm
Horizontal Luminous Area	0.028353 m2	Emitting area on Plane 180°	0.009500 m2
Emitting area on Plane 0°	0.009500 m2	Emitting area on Plane 270°	0.009500 m2
Emitting area on Plane 90°	0.009500 m2	Glare area at 76°	0.016077 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	17-01-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	1172.16 lm
Operator	Asselum T2	Rated Voltage	34.74 V
Temperature	25.10 °C	Rated Current	0.70 A
Humidity	18.00 %	Photocell	Prc
Notes	RM22011703		

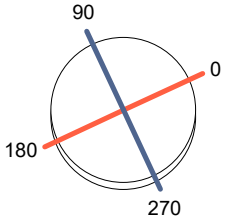
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED -5630 Series 5000	SE000-5630XX9003-00000000-00004	1172.16	24.30	1

C.I.E.	72 85 95 91 100	D DIN 5040	A61
F UTE	0.91 B + 0.09 T	B NBN	BZ 2 / 1.5 / BZ 3



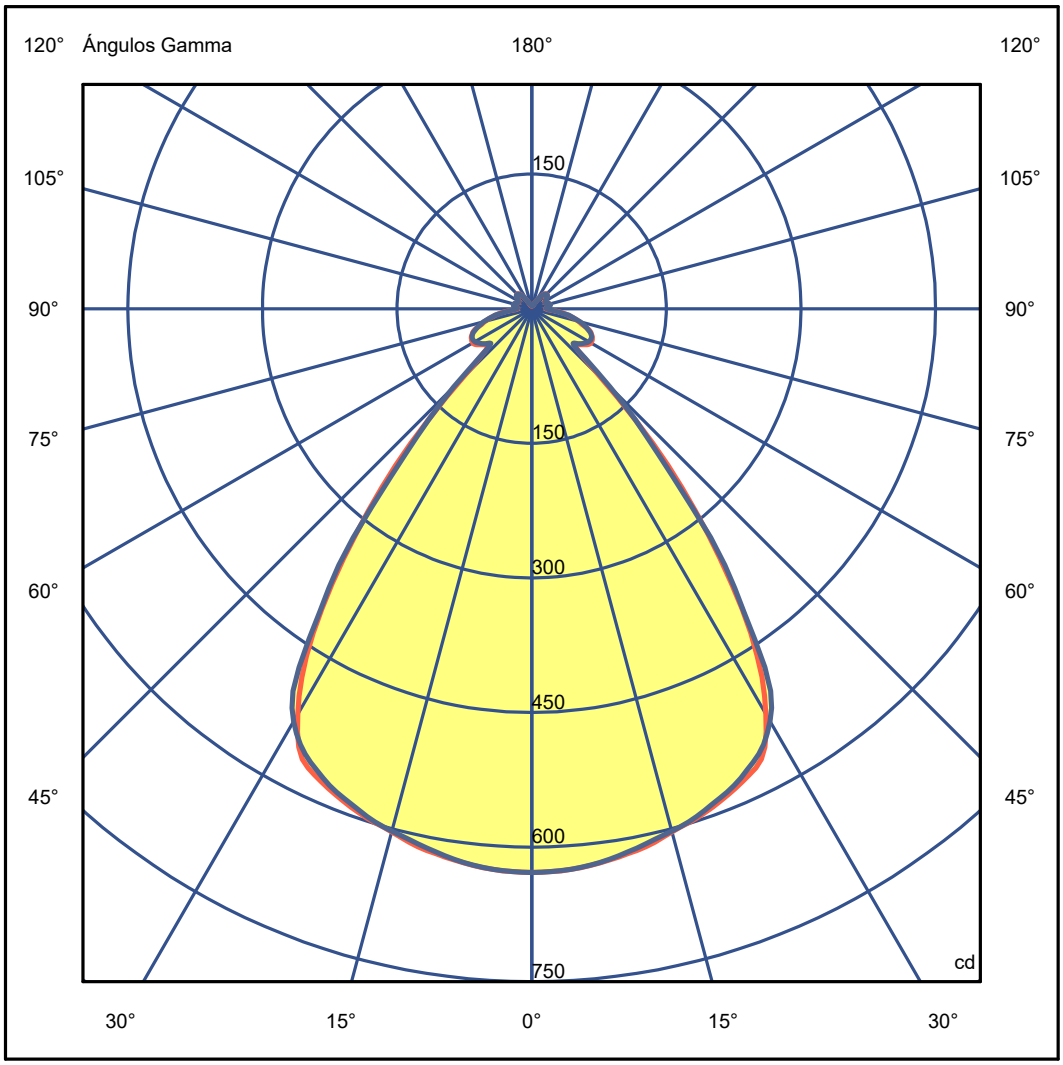
Diam=460mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 9.16 %
DLOR 90.84 %
RN 9.16 %



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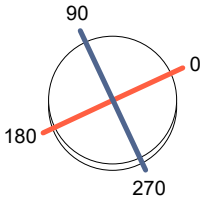
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	628.12	628.12	628.12	628.12	628.12	628.12	628.12
G 2.5	627.39	627.12	626.90	627.41	627.36	627.41	627.36
G 5.0	625.12	624.69	624.31	625.20	625.46	625.39	624.96
G 7.5	621.34	621.19	620.55	621.28	620.45	620.41	620.76
G 10.0	616.65	616.12	615.41	616.67	613.59	614.70	614.73
G 12.5	611.38	611.04	609.50	610.50	608.25	608.98	608.36
G 15.0	603.25	604.49	603.77	603.47	602.77	603.46	602.59
G 17.5	597.59	598.10	595.68	596.56	596.43	597.06	596.59
G 20.0	590.54	590.12	588.79	589.14	587.79	589.42	587.54
G 22.5	582.28	582.02	580.80	580.96	578.28	579.17	579.24
G 25.0	573.19	567.92	571.72	570.24	567.66	565.72	567.29
G 27.5	558.89	547.60	555.55	547.53	554.36	547.66	553.46
G 30.0	521.82	515.05	528.74	514.74	531.32	520.25	530.86
G 32.5	472.89	466.02	474.36	469.15	491.27	479.27	490.48
G 35.0	408.35	405.44	410.06	410.29	414.98	414.59	411.78
G 37.5	333.26	334.80	338.42	341.31	331.14	324.20	341.88
G 40.0	260.46	257.41	262.91	266.70	246.92	253.02	244.55
G 42.5	185.84	187.13	175.54	191.64	179.91	184.89	179.76
G 45.0	109.96	126.93	113.26	126.39	122.66	131.54	123.28
G 47.5	73.35	92.76	74.25	85.84	81.00	92.34	74.19
G 50.0	61.92	71.03	61.83	68.84	61.65	68.77	59.81
G 52.5	65.12	65.48	64.23	64.68	64.38	64.51	63.51
G 55.0	69.27	68.53	67.90	68.89	67.80	68.12	67.41
G 57.5	74.30	71.57	71.59	71.70	70.70	70.92	70.73
G 60.0	75.98	73.57	73.75	73.38	72.82	72.78	73.27
G 62.5	75.68	74.74	74.32	73.61	73.57	73.55	74.20
G 65.0	74.24	73.97	73.74	72.54	73.03	72.59	73.46
G 67.5	71.61	71.04	71.86	70.43	70.49	69.64	71.03
G 70.0	67.61	67.27	67.55	66.38	66.92	66.10	66.52
G 72.5	59.54	61.37	62.33	60.83	62.02	61.22	61.29
G 75.0	54.03	55.08	54.43	54.66	56.21	55.68	55.53
G 77.5	47.78	47.72	47.92	48.31	48.52	48.93	48.07
G 80.0	41.42	41.05	41.11	41.31	40.75	40.18	41.82
G 82.5	34.19	33.08	33.81	33.75	33.00	33.09	32.82
G 85.0	26.79	25.76	25.02	26.09	25.82	26.16	26.26
G 87.5	17.56	20.91	18.12	20.63	18.92	21.27	19.39
G 90.0	15.80	17.39	15.94	16.69	16.31	17.32	16.75
G 92.5	15.83	16.48	16.07	16.72	15.82	16.55	16.00
G 95.0	16.96	17.31	17.39	17.70	17.39	17.85	16.98
G 97.5	18.50	18.76	19.06	19.06	19.22	19.03	19.19
G100.0	19.90	19.96	20.58	20.01	20.21	20.03	20.58
G102.5	20.64	20.19	20.49	19.93	20.32	20.53	21.12
G105.0	20.47	19.89	19.53	19.06	19.72	20.10	20.70
G107.5	19.54	19.23	18.44	17.85	18.44	19.16	19.73
G110.0	18.39	18.34	17.19	16.58	17.14	18.09	18.31
G112.5	17.22	17.40	15.89	15.34	16.17	17.36	17.24
G115.0	16.31	16.64	14.81	14.44	15.47	16.99	16.82
G117.5	16.42	16.70	14.50	14.13	15.17	16.91	16.91
G120.0	16.92	16.84	14.88	14.44	15.48	17.14	17.46
G122.5	17.74	17.57	15.82	15.47	16.45	18.10	18.30
G125.0	19.13	18.76	17.37	16.75	18.38	19.47	19.84
G127.5	20.77	19.87	19.54	18.42	20.10	20.61	21.43
G130.0	22.39	21.33	20.78	20.55	21.22	21.66	22.56
G132.5	22.91	22.06	22.06	22.10	22.17	22.48	22.96
G135.0	23.26	22.36	22.80	22.91	23.05	22.85	22.83
G137.5	22.85	21.97	23.10	23.48	23.35	22.28	22.33
G140.0	21.67	20.65	22.98	23.49	22.99	21.14	21.04
G142.5	19.42	19.29	21.85	23.02	21.84	19.53	19.27
G145.0	15.66	17.28	19.90	21.34	20.00	17.51	16.67
G147.5	12.76	15.31	17.58	19.01	17.90	14.86	13.44
G150.0	10.21	13.15	15.02	16.27	14.51	12.46	10.22
G152.5	8.19	10.94	12.33	13.13	11.13	9.85	7.69
G155.0	6.58	9.06	9.74	9.92	8.18	7.86	6.17
G157.5	5.51	7.11	6.79	7.15	6.25	6.22	5.32
G160.0	4.87	5.79	5.26	5.43	5.15	5.13	4.85
G162.5	4.44	4.74	4.49	4.50	4.48	4.37	4.30
G165.0	4.05	4.05	4.00	4.03	4.01	3.86	3.93
G167.5	3.71	3.69	3.60	3.73	3.56	3.54	3.68
G170.0	3.43	3.64	3.26	3.67	3.32	3.44	3.65
G172.5	3.30	3.59	3.33	3.61	3.30	3.66	3.55
G175.0	3.79	3.82	3.62	3.64	3.66	3.91	3.90
G177.5	4.21	3.95	3.82	3.81	4.04	4.27	4.34
G180.0	4.13	4.13	4.13	4.13	4.13	4.13	4.13

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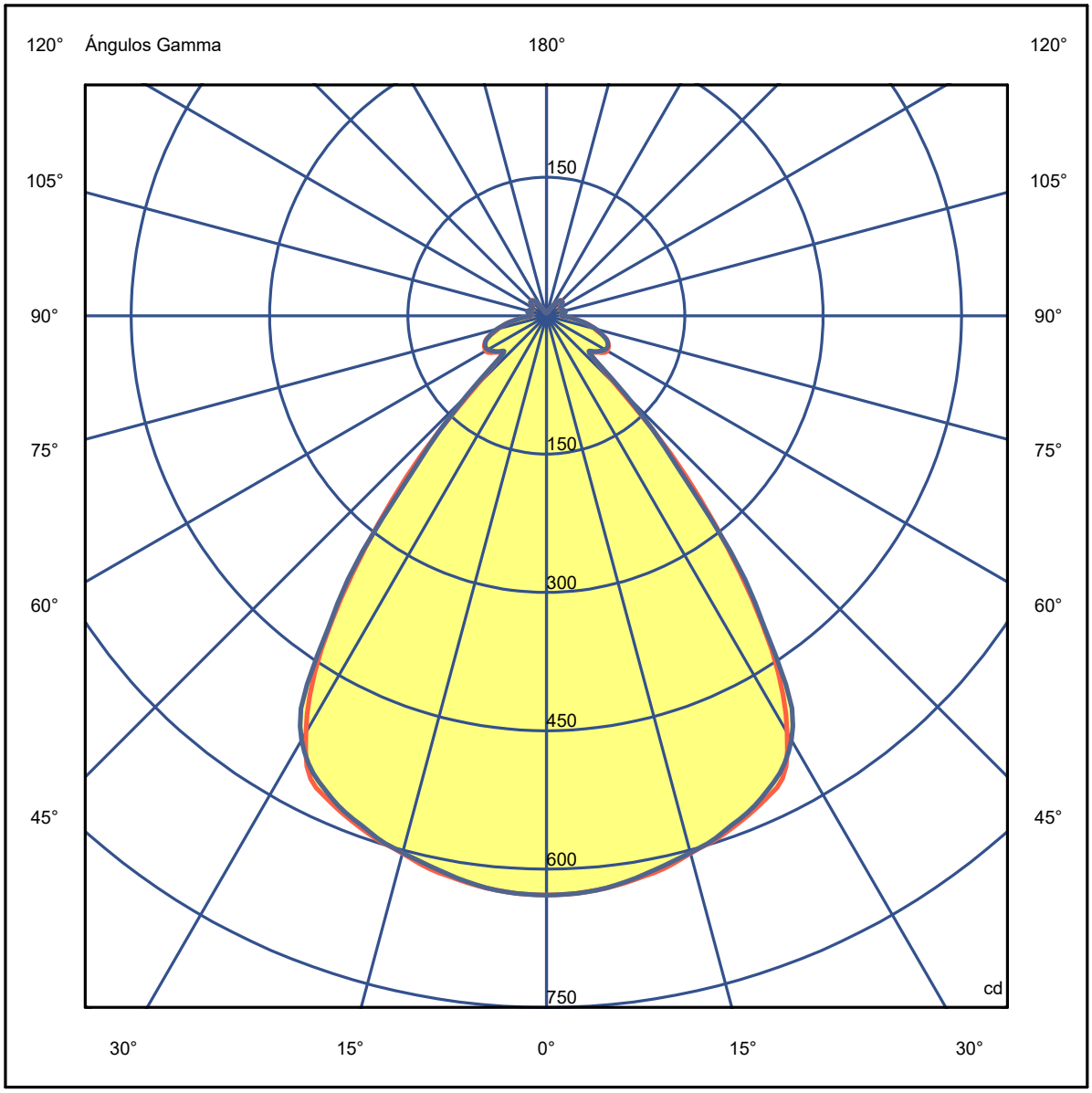
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Diam=460mm



Semiplanos C

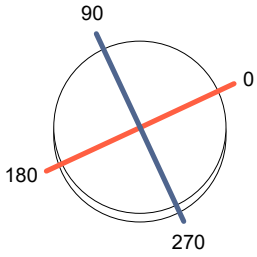
180.0 0.0
270.0 90.0



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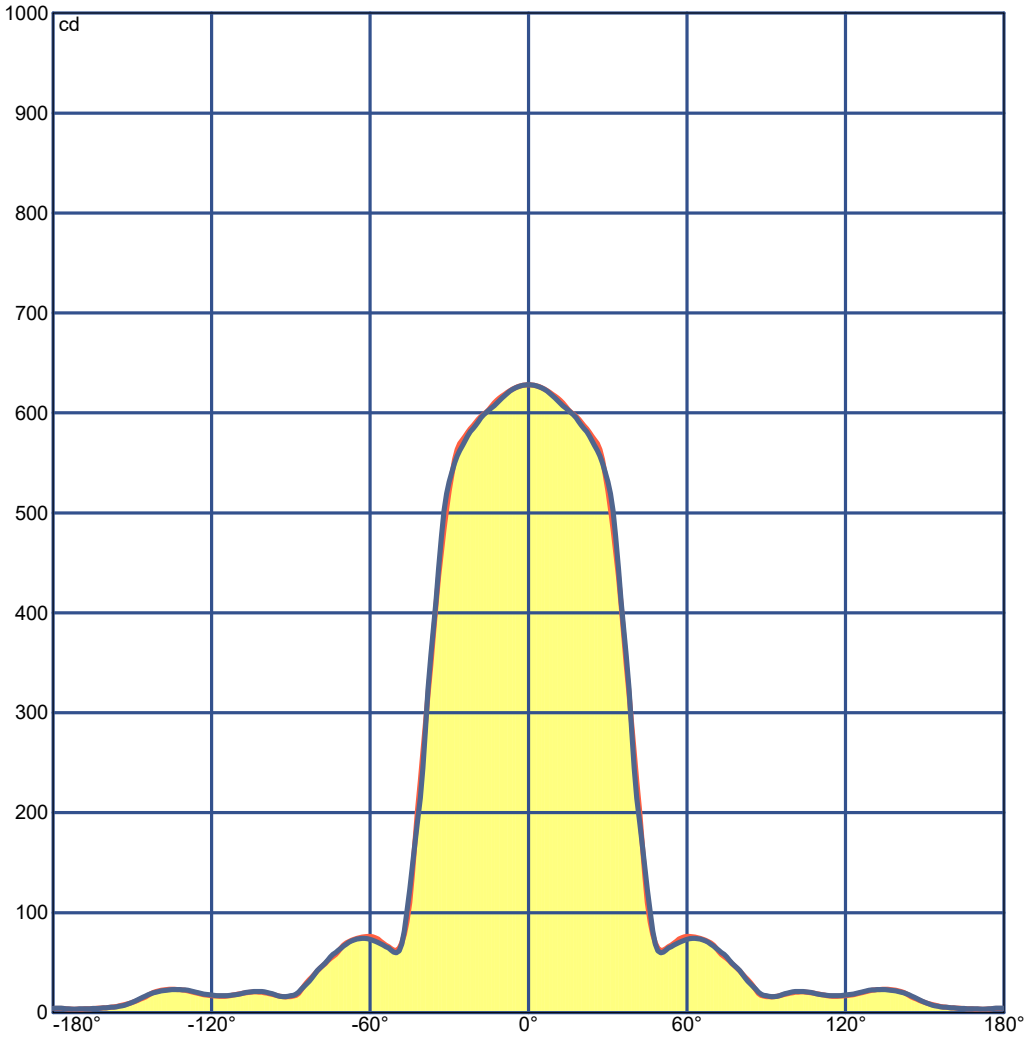
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UGR
S = 0.250

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	15.1	16.1	15.5	16.4	16.8	15.1	16.0	15.5	16.4	16.8
x=2H y=3H	16.8	17.6	17.2	18.0	18.5	16.7	17.6	17.2	18.0	18.4
x=2H y=4H	17.5	18.4	18.0	18.8	19.2	17.5	18.3	18.0	18.8	19.2
x=2H y=6H	18.2	18.9	18.7	19.4	19.9	18.2	18.9	18.7	19.4	19.9
x=2H y=8H	18.4	19.1	18.9	19.6	20.1	18.4	19.1	18.9	19.6	20.1
x=2H y=12H	18.6	19.3	19.1	19.8	20.3	18.6	19.3	19.1	19.7	20.2
x=4H y=2H	15.6	16.4	16.1	16.9	17.3	15.6	16.4	16.1	16.8	17.3
x=4H y=3H	17.6	18.3	18.1	18.7	19.3	17.5	18.2	18.0	18.7	19.2
x=4H y=4H	18.5	19.1	19.1	19.6	20.2	18.5	19.1	19.0	19.6	20.2
x=4H y=6H	19.3	19.8	19.9	20.4	21.0	19.3	19.9	19.9	20.4	21.0
x=4H y=8H	19.6	20.1	20.2	20.6	21.2	19.6	20.1	20.2	20.6	21.2
x=4H y=12H	19.8	20.3	20.4	20.8	21.4	19.8	20.3	20.4	20.8	21.4
x=8H y=4H	18.9	19.4	19.4	19.9	20.5	18.9	19.4	19.4	19.9	20.5
x=8H y=6H	19.8	20.2	20.4	20.8	21.4	19.8	20.2	20.4	20.8	21.4
x=8H y=8H	20.2	20.6	20.9	21.2	21.8	20.2	20.6	20.8	21.2	21.8
x=8H y=12H	20.6	20.8	21.2	21.5	22.1	20.5	20.8	21.2	21.4	22.1
x=12H y=4H	19.5	19.9	20.0	20.4	21.1	19.4	19.9	20.0	20.4	21.0
x=12H y=6H	20.3	20.7	20.9	21.3	21.9	20.3	20.7	20.9	21.2	21.9
x=12H y=8H	20.7	21.0	21.3	21.6	22.3	20.7	21.0	21.3	21.6	22.3

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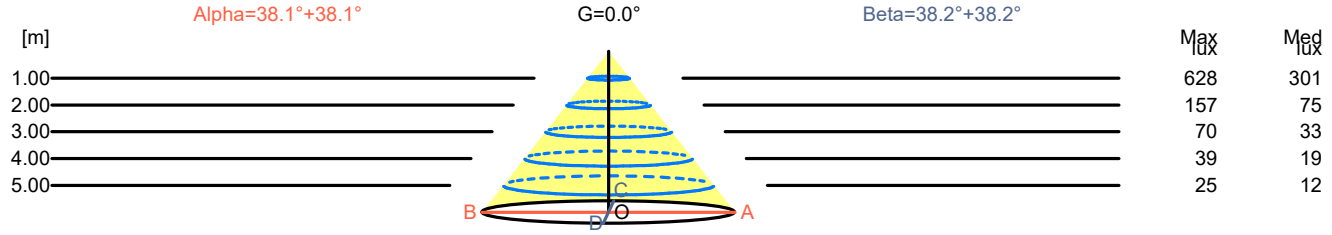
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Width at 50.00 % of Max Intensity

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	0.79	1.57	2.36	3.14	3.93	OC	0.79	1.58	2.36	3.15	3.94
OB	0.79	1.57	2.36	3.14	3.93	OD	0.79	1.58	2.36	3.15	3.94

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	628.12	625.12	603.25	573.19	408.35	109.96	69.27	74.24	54.03	26.79
OB	628.12	625.12	603.25	573.19	408.35	109.96	69.27	74.24	54.03	26.79
OC	628.12	624.96	602.59	567.29	411.78	123.28	67.41	73.46	55.53	26.26
OD	628.12	624.96	602.59	567.29	411.78	123.28	67.41	73.46	55.53	26.26



H[m]	D[m]	Max lux	Med lux	Alpha=38.1°+38.1° G=0.0
1.00	1.57	628	301	
2.00	3.14	157	75	
3.00	4.71	70	33	
4.00	6.28	39	19	
5.00	7.85	25	12	

H[m]	D[m]	Max lux	Med lux	Beta=38.2°+38.2° G=0.0
1.00	1.58	628	301	
2.00	3.15	157	75	
3.00	4.73	70	33	
4.00	6.30	39	19	
5.00	7.88	25	12	

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Flujo Total=1172.16 Flujo Luminaria=1172.16

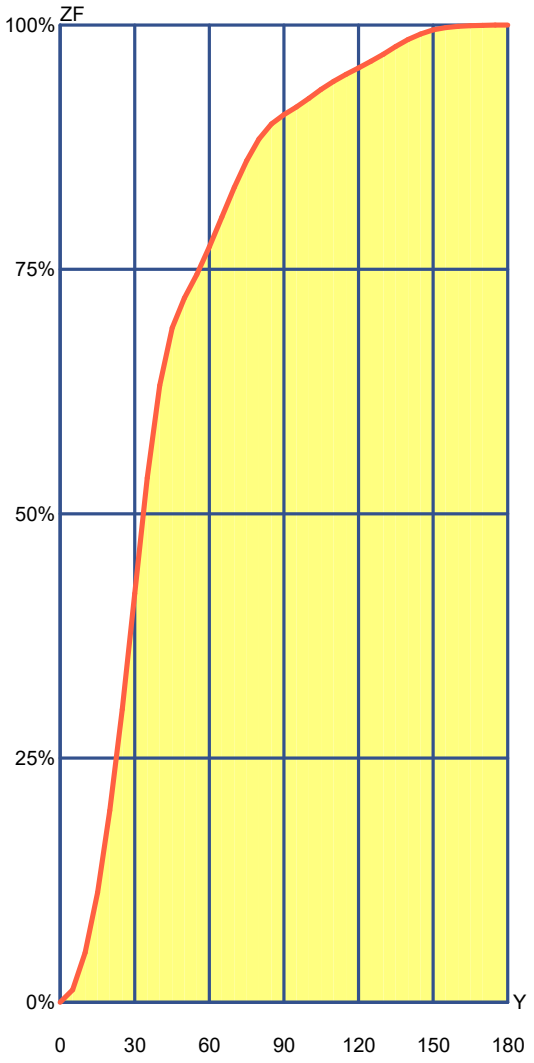
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.52	0.57	0.63	0.68	0.72	0.78	0.82	0.85	0.89	0.91	0.96	0.99
RC	1	2	2	2	2	2	2	2	2	2	2	-

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)	51	196	418	631	721	773	834	883	908	925	943	956	970	985	995	999	1000	1000

Códigos de Flujo C.I.E.
72 85 95 91 100

C.I.E.	1/2/2/2/2/2/2/2/2/2/-	LOR	100.00000 %
D DIN 5040	A61	ULOR	9.16248 %
F UTE	0.91 B + 0.09 T	DLOR	90.83752 %
B NBN	BZ 2 / 1.5 / BZ 3	UFF	9.16248 %
RN	9.16248 %	DFF	90.83752 %
BLF	1.0	FFR	10.08667 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	12.78	12.78	1.28 %	1.28 %
10°	37.85	50.63	3.78 %	5.06 %
15°	61.67	112.30	6.17 %	11.23 %
20°	83.85	196.15	8.39 %	19.61 %
25°	103.68	299.83	10.37 %	29.98 %
30°	118.36	418.19	11.84 %	41.82 %
35°	118.33	536.52	11.83 %	53.65 %
40°	94.81	631.33	9.48 %	63.13 %
45°	58.73	690.06	5.87 %	69.01 %
50°	30.50	720.57	3.05 %	72.06 %
55°	24.39	744.96	2.44 %	74.50 %
60°	28.08	773.04	2.81 %	77.30 %
65°	30.59	803.64	3.06 %	80.36 %
70°	30.43	834.06	3.04 %	83.41 %
75°	27.28	861.34	2.73 %	86.13 %
80°	21.97	883.32	2.20 %	88.33 %
85°	15.48	898.80	1.55 %	89.88 %
90°	9.58	908.38	0.96 %	90.84 %
95°	7.78	916.15	0.78 %	91.62 %
100°	8.76	924.92	0.88 %	92.49 %
105°	9.22	934.14	0.92 %	93.41 %
110°	8.37	942.50	0.84 %	94.25 %
115°	7.19	949.69	0.72 %	94.97 %
120°	6.55	956.24	0.66 %	95.62 %
125°	6.72	962.96	0.67 %	96.30 %
130°	7.38	970.34	0.74 %	97.03 %
135°	7.65	977.99	0.76 %	97.80 %
140°	7.15	985.14	0.72 %	98.51 %
145°	5.87	991.01	0.59 %	99.10 %
150°	4.09	995.10	0.41 %	99.51 %
155°	2.38	997.48	0.24 %	99.75 %
160°	1.21	998.68	0.12 %	99.87 %
165°	0.64	999.33	0.06 %	99.93 %
170°	0.37	999.70	0.04 %	99.97 %
175°	0.22	999.92	0.02 %	99.99 %
180°	0.08	1000.00	0.01 %	100.00 %

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Sources Flux	1172.16 lm	Maximum value	628.12 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

