Luminaire
Code 33003304127
Name AMPHORA 03 LED BROWN
Measurem.
Code CL092A21F011GE1
Name AMPHORA 03 LED BROWN

Luminaire Flux	399.81 lm	Luminaire Power	24.52 W	Efficacy	16.31 lm/W	Efficiency	100.00%
Sources Flux	399.81 lm	Maximum value	187.36 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

Round Luminaire	Diam. 800 mm	Height	1250 mm
Round Luminous Area	Diam. 800 mm	Height	1250 mm
Horizontal Luminous Area	0.502655 m2	Emitting area on Plane 180°	1.000000 m2
Emitting area on Plane 0°	1.000000 m2	Emitting area on Plane 270°	1.000000 m2
Emitting area on Plane 90°	1.000000 m2	Glare area at 76°	1.091899 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	12-04-2021	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	399.81 lm
Operator	Asselum T2	Rated Voltage	35.13 V
Temperature	25.20 °C	Rated Current	0.70 A
Humidity	33.60 %	Photocell	Prc
Notes			

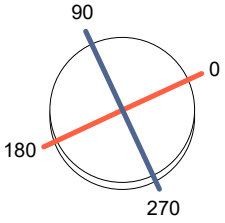
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED-5630 Ser.	SEOUL	399.81	24.52	1

C.I.E.	45 75 89 59 100	D DIN 5040	C31
F UTE	0.59 E + 0.41 T	B NBN	BZ 5



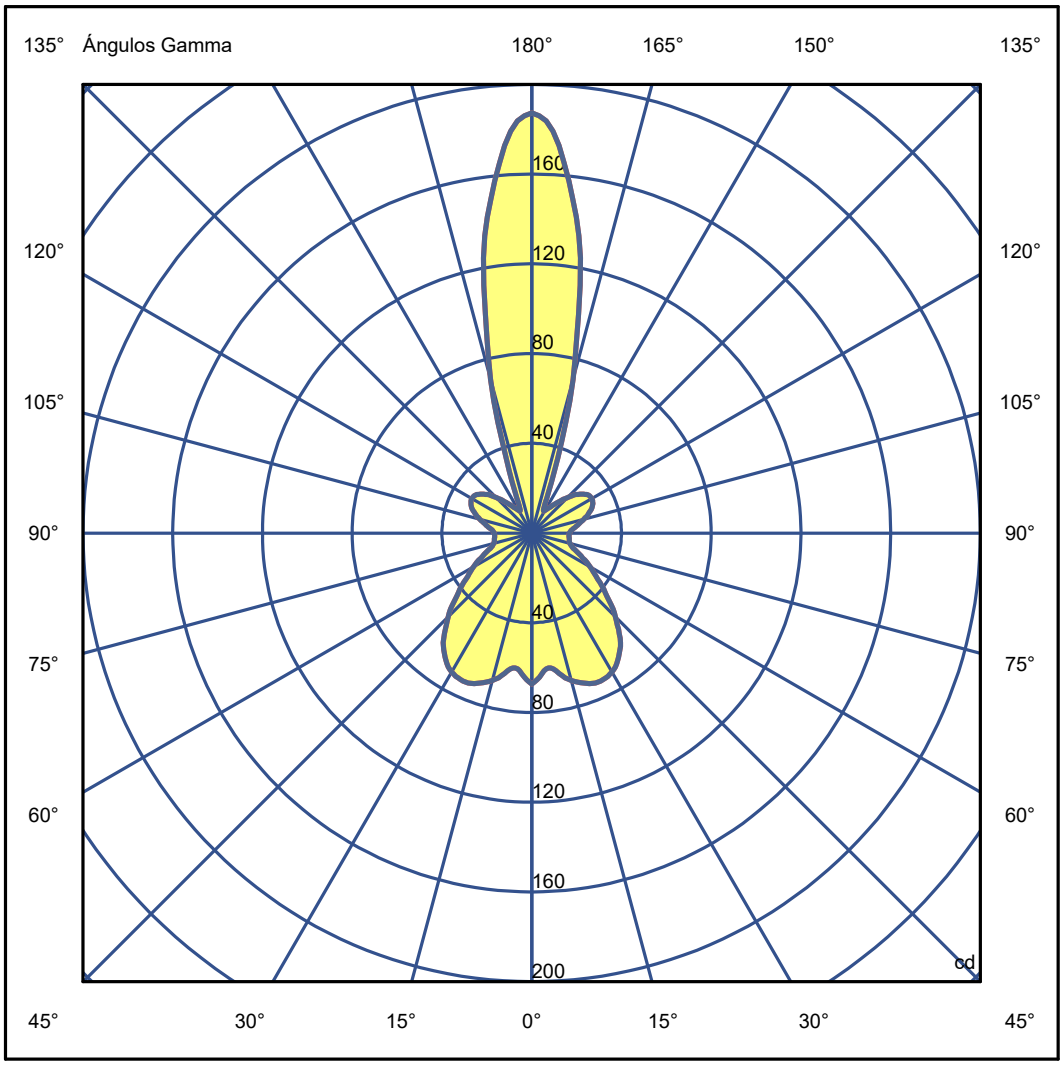
Diam=800mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 41.23 %
DLOR 58.77 %
RN 41.23 %



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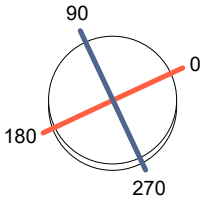
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	67.18	67.18	67.18	67.18	67.18	67.18	67.18
G 2.5	64.90	63.80	67.97	60.69	67.97	63.80	64.90
G 5.0	61.64	60.00	64.36	58.04	64.36	60.00	61.64
G 7.5	60.49	58.62	63.81	57.92	63.81	58.62	60.49
G 10.0	62.31	61.98	65.54	61.14	65.54	61.98	62.31
G 12.5	65.62	65.49	68.25	65.75	68.25	65.49	65.62
G 15.0	67.96	67.87	70.38	68.17	70.38	67.87	67.96
G 17.5	69.74	69.46	72.11	69.46	72.11	69.46	69.74
G 20.0	71.28	70.84	73.10	70.20	73.10	70.84	71.28
G 22.5	72.44	71.75	73.80	70.39	73.80	71.75	72.44
G 25.0	72.72	72.14	73.97	70.30	73.97	72.14	72.72
G 27.5	72.35	71.86	73.65	69.80	73.65	71.86	72.35
G 30.0	71.46	70.97	72.88	68.79	72.88	70.97	71.46
G 32.5	69.92	69.61	71.39	67.19	71.39	69.61	69.92
G 35.0	67.36	67.55	69.07	64.68	69.07	67.55	67.36
G 37.5	64.72	64.96	66.28	62.32	66.28	64.96	64.72
G 40.0	61.16	61.56	63.09	59.67	63.09	61.56	61.16
G 42.5	56.80	57.67	59.53	55.83	59.53	57.67	56.80
G 45.0	52.70	53.82	55.55	52.46	55.55	53.82	52.70
G 47.5	48.69	49.53	51.67	48.54	51.67	49.53	48.69
G 50.0	43.62	45.20	47.02	44.46	47.02	45.20	43.62
G 52.5	39.98	40.59	42.90	40.72	42.90	40.59	39.98
G 55.0	35.89	36.42	38.43	36.51	38.43	36.42	35.89
G 57.5	32.74	32.58	34.58	32.18	34.58	32.58	32.74
G 60.0	29.97	29.43	30.18	28.79	30.18	29.43	29.97
G 62.5	27.17	25.95	26.53	24.98	26.53	25.95	27.17
G 65.0	24.16	22.82	23.25	21.97	23.25	22.82	24.16
G 67.5	21.90	20.42	20.78	19.73	20.78	20.42	21.90
G 70.0	19.59	18.72	18.68	17.58	18.68	18.72	19.59
G 72.5	18.34	17.57	17.68	16.41	17.68	17.57	18.34
G 75.0	17.56	17.01	17.16	15.87	17.16	17.01	17.56
G 77.5	17.13	16.76	16.95	15.74	16.95	16.76	17.13
G 80.0	16.95	16.63	16.81	15.73	16.81	16.63	16.95
G 82.5	16.79	16.48	16.60	15.59	16.60	16.48	16.79
G 85.0	16.63	16.24	16.41	15.32	16.41	16.24	16.63
G 87.5	16.63	16.21	16.35	15.28	16.35	16.21	16.63
G 90.0	16.73	16.46	16.52	15.42	16.52	16.46	16.73
G 92.5	17.23	16.92	17.00	15.96	17.00	16.92	17.23
G 95.0	17.97	17.67	17.77	16.64	17.77	17.67	17.97
G 97.5	19.32	18.77	18.95	17.56	18.95	18.77	19.32
G100.0	20.70	20.17	20.24	18.91	20.24	20.17	20.70
G102.5	22.22	21.66	22.01	20.30	22.01	21.66	22.22
G105.0	23.90	23.40	23.57	22.03	23.57	23.40	23.90
G107.5	25.84	25.11	25.44	23.71	25.44	25.11	25.84
G110.0	27.36	26.76	26.98	25.09	26.98	26.76	27.36
G112.5	28.90	28.09	28.43	26.55	28.43	28.09	28.90
G115.0	29.94	29.19	29.48	27.52	29.48	29.19	29.94
G117.5	30.59	29.82	30.31	28.15	30.31	29.82	30.59
G120.0	30.87	30.15	30.65	28.52	30.65	30.15	30.87
G122.5	30.70	30.02	30.51	28.39	30.51	30.02	30.70
G125.0	30.00	29.33	29.88	27.89	29.88	29.33	30.00
G127.5	28.53	28.17	28.70	26.75	28.70	28.17	28.53
G130.0	26.94	26.51	26.96	25.26	26.96	26.51	26.94
G132.5	25.04	24.50	25.02	23.46	25.02	24.50	25.04
G135.0	22.30	22.26	22.61	20.82	22.61	22.26	22.30
G137.5	20.17	19.76	20.29	18.82	20.29	19.76	20.17
G140.0	17.84	17.60	18.06	16.88	18.06	17.60	17.84
G142.5	15.83	15.52	16.00	14.72	16.00	15.52	15.83
G145.0	14.14	13.96	14.12	13.26	14.12	13.96	14.14
G147.5	12.85	12.54	12.76	11.93	12.76	12.54	12.85
G150.0	11.64	11.52	11.80	10.92	11.80	11.52	11.64
G152.5	11.24	11.03	11.45	10.51	11.45	11.03	11.24
G155.0	13.16	11.91	12.53	10.67	12.53	11.91	13.16
G157.5	18.46	15.55	17.54	14.29	17.54	15.55	18.46
G160.0	29.16	26.05	29.07	25.03	29.07	26.05	29.16
G162.5	46.94	45.91	47.56	44.97	47.56	45.91	46.94
G165.0	71.06	67.91	71.17	67.24	71.17	67.91	71.06
G167.5	94.02	95.01	95.32	89.49	95.32	95.01	94.02
G170.0	124.55	119.24	122.29	118.76	122.29	119.24	124.55
G172.5	146.15	144.25	145.48	141.51	145.48	144.25	146.15
G175.0	165.63	164.05	167.43	162.82	167.43	164.05	165.63
G177.5	181.98	180.49	181.79	181.93	181.79	180.49	181.98
G180.0	187.36	187.36	187.36	187.36	187.36	187.36	187.36

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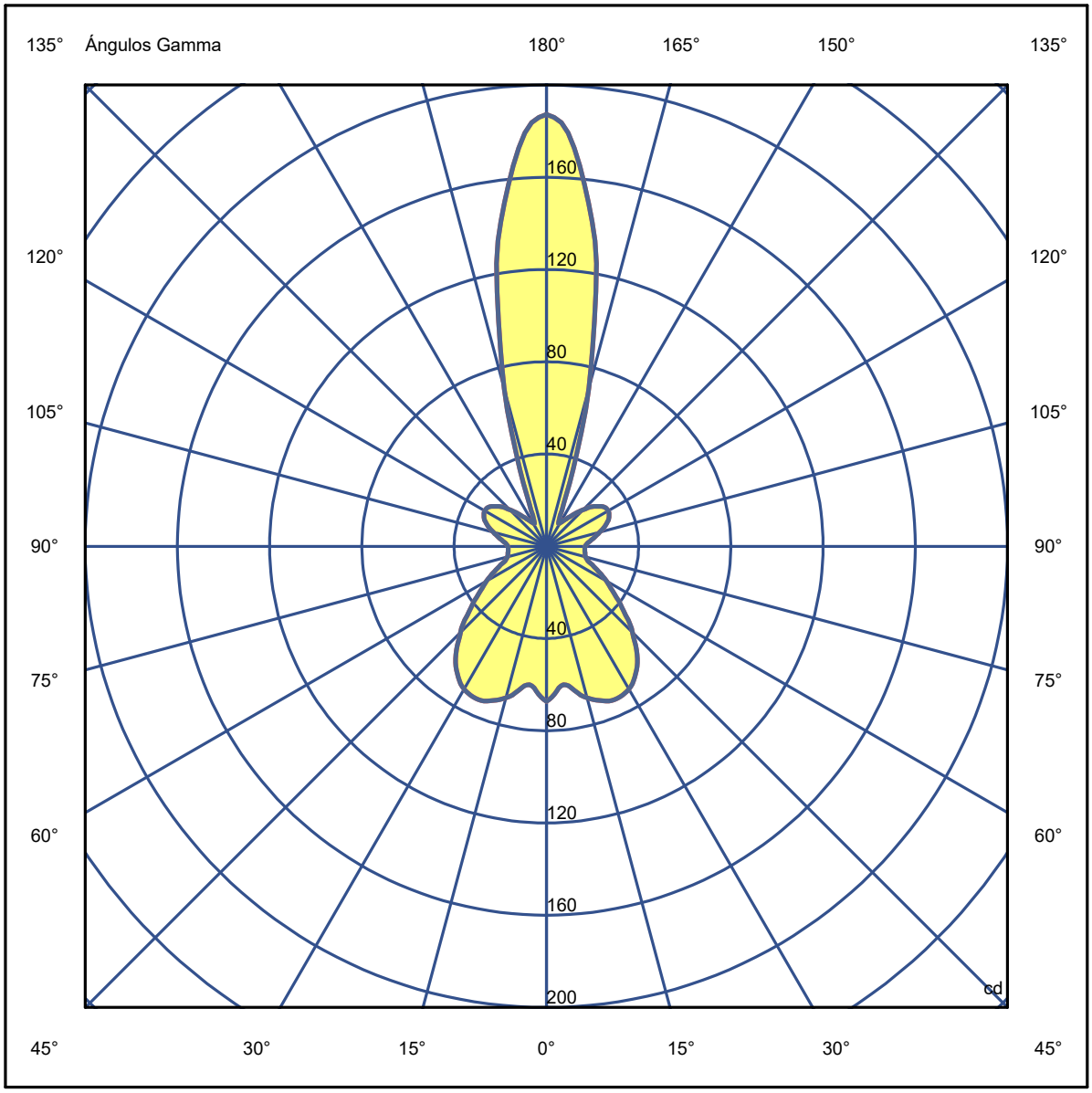
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Diam=800mm



Semiplanos C

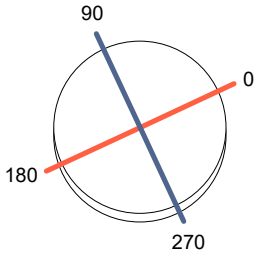




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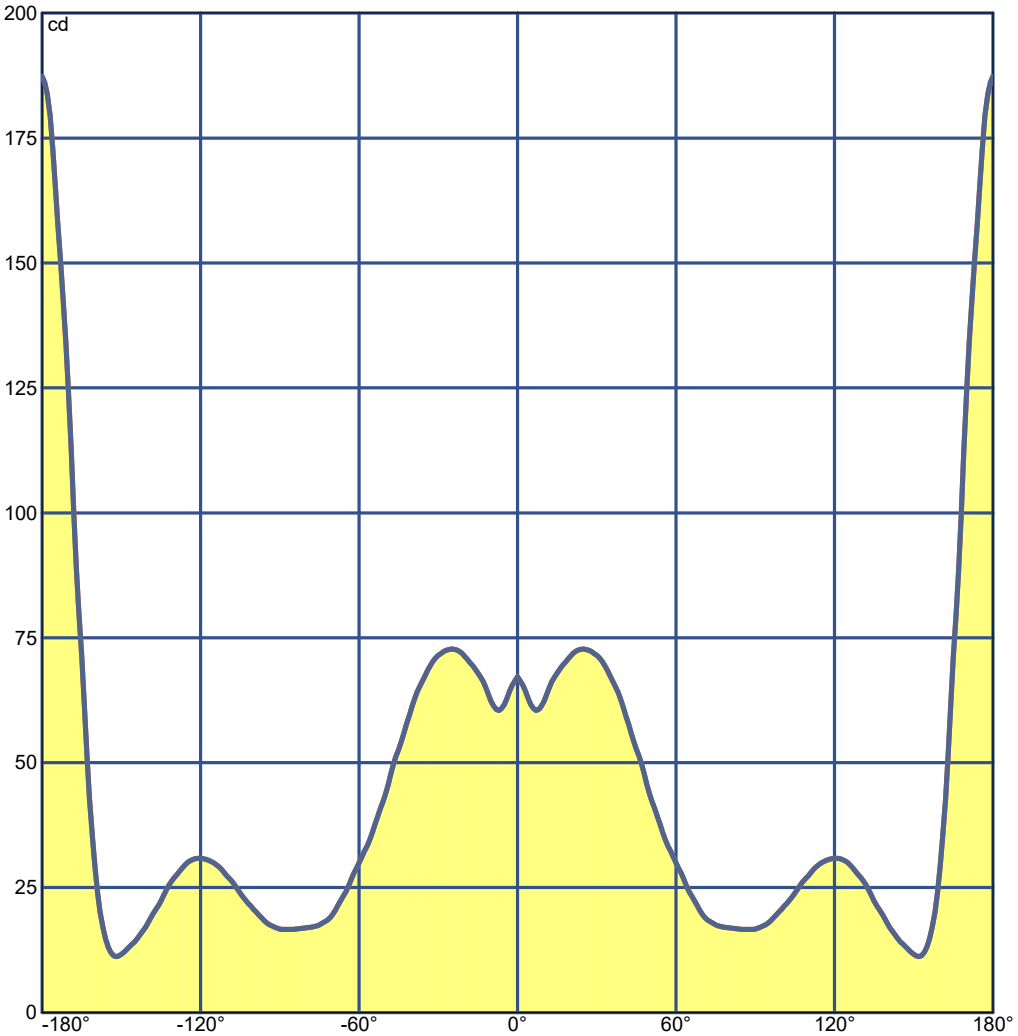
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UGR
S = 0.250

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	< 0	< 0	< 0	< 0	0.6	< 0	< 0	< 0	< 0	0.6
x=2H y=3H	< 0	< 0	< 0	0.3	1.3	< 0	< 0	< 0	0.3	1.3
x=2H y=4H	< 0	< 0	< 0	0.7	1.8	< 0	< 0	< 0	0.7	1.8
x=2H y=6H	< 0	0.3	0.5	1.2	2.3	< 0	0.3	0.5	1.2	2.3
x=2H y=8H	< 0	0.6	0.8	1.5	2.5	< 0	0.6	0.8	1.5	2.5
x=2H y=12H	0.2	0.9	1.1	1.8	2.9	0.2	0.9	1.1	1.8	2.9
x=4H y=2H	< 0	< 0	< 0	< 0	0.8	< 0	< 0	< 0	< 0	0.8
x=4H y=3H	< 0	< 0	< 0	0.6	1.7	< 0	< 0	< 0	0.6	1.7
x=4H y=4H	< 0	0.2	0.6	1.1	2.3	< 0	0.2	0.6	1.1	2.3
x=4H y=6H	0.4	0.9	1.3	1.8	3.0	0.4	0.9	1.3	1.8	3.0
x=4H y=8H	0.8	1.3	1.7	2.2	3.3	0.8	1.3	1.7	2.2	3.3
x=4H y=12H	1.2	1.7	2.2	2.6	3.8	1.2	1.7	2.2	2.6	3.8
x=8H y=4H	< 0	0.3	0.8	1.2	2.4	< 0	0.3	0.8	1.2	2.4
x=8H y=6H	0.8	1.2	1.7	2.1	3.3	0.8	1.2	1.7	2.1	3.3
x=8H y=8H	1.4	1.7	2.3	2.7	3.9	1.4	1.7	2.3	2.7	3.9
x=8H y=12H	2.0	2.3	2.9	3.2	4.5	2.0	2.3	2.9	3.2	4.5
x=12H y=4H	0.4	0.8	1.3	1.7	2.9	0.4	0.8	1.3	1.7	2.9
x=12H y=6H	1.2	1.6	2.2	2.5	3.8	1.2	1.6	2.2	2.5	3.8
x=12H y=8H	1.8	2.1	2.8	3.1	4.3	1.8	2.1	2.8	3.1	4.3

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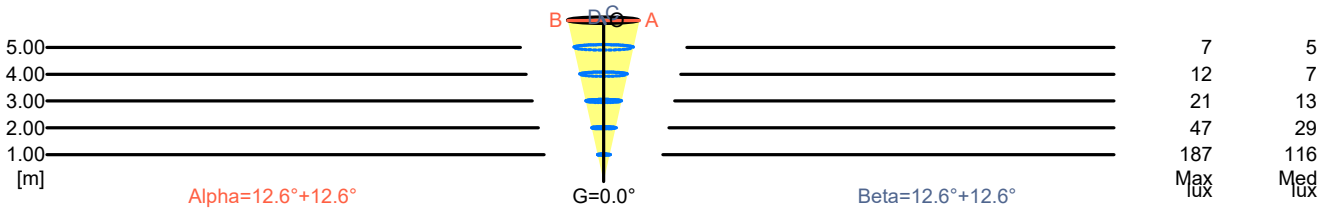
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Width at 50.00 % of Max Intensity

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	0.22	0.45	0.67	0.89	1.11	OC	0.22	0.45	0.67	0.89	1.11
OB	0.22	0.45	0.67	0.89	1.11	OD	0.22	0.45	0.67	0.89	1.11

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	187.36	165.63	71.06	13.16	14.14	22.30	30.00	29.94	23.90	17.97
OB	187.36	165.63	71.06	13.16	14.14	22.30	30.00	29.94	23.90	17.97
OC	187.36	165.63	71.06	13.16	14.14	22.30	30.00	29.94	23.90	17.97
OD	187.36	165.63	71.06	13.16	14.14	22.30	30.00	29.94	23.90	17.97



5.00	2.23	7	5	
4.00	1.78	12	7	
3.00	1.34	21	13	
2.00	0.89	47	29	
1.00	0.45	187	116	
H[m]	D[m]	Max lux	Med lux	Alpha=12.6°+12.6° G=0.0

5.00	2.23	7	5	
4.00	1.78	12	7	
3.00	1.34	21	13	
2.00	0.89	47	29	
1.00	0.45	187	116	
H[m]	D[m]	Max lux	Med lux	Beta=12.6°+12.6° G=0.0

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Flujo Total=399.81 Flujo Luminaria=399.81

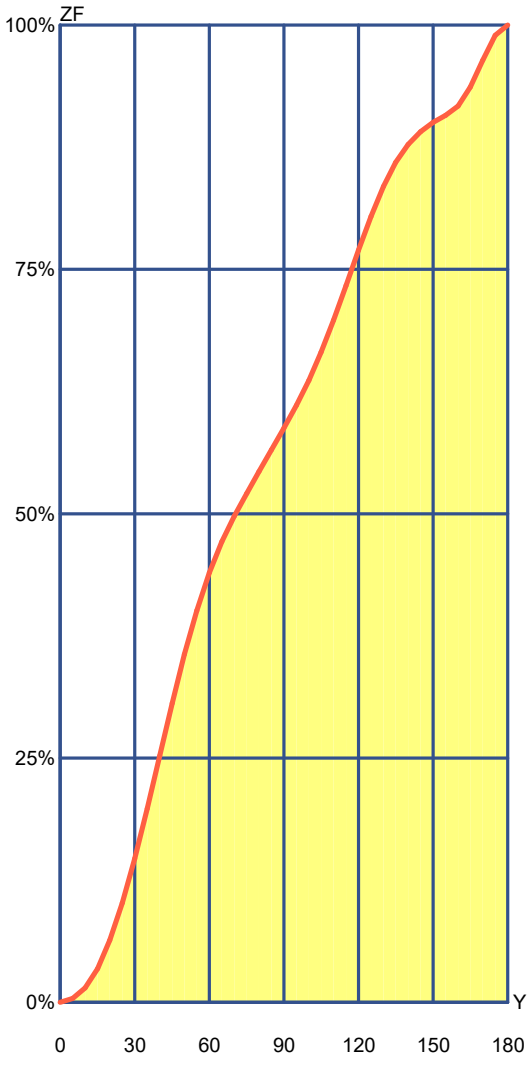
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.29	0.37	0.44	0.51	0.56	0.64	0.69	0.73	0.78	0.81	0.88	0.93
RC	5	5	5	5	6	6	6	6	6	6	7	7

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)	15	63	147	252	356	439	498	543	588	636	698	770	835	878	900	917	964	1000

Códigos de Flujo C.I.E.
45 75 89 59 100

C.I.E.	5/5/5/5/6/6/6/6/6/7/7	LOR	100.00000 %
D DIN 5040	C31	ULOR	41.23304 %
F UTE	0.59 E + 0.41 T	DLOR	58.76696 %
B NBN	BZ 5	UFF	41.23304 %
RN	41.23304 %	DFF	58.76696 %
BLF	1.0	FFR	70.16363 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.82	3.82	0.38 %	0.38 %
10°	11.00	14.82	1.10 %	1.48 %
15°	19.69	34.50	1.97 %	3.45 %
20°	28.99	63.50	2.90 %	6.35 %
25°	37.88	101.38	3.79 %	10.14 %
30°	45.61	146.99	4.56 %	14.70 %
35°	51.28	198.27	5.13 %	19.83 %
40°	54.02	252.29	5.40 %	25.23 %
45°	53.53	305.82	5.35 %	30.58 %
50°	50.32	356.14	5.03 %	35.61 %
55°	44.83	400.96	4.48 %	40.10 %
60°	38.44	439.41	3.84 %	43.94 %
65°	31.92	471.33	3.19 %	47.13 %
70°	26.29	497.62	2.63 %	49.76 %
75°	23.11	520.73	2.31 %	52.07 %
80°	22.41	543.14	2.24 %	54.31 %
85°	22.30	565.45	2.23 %	56.54 %
90°	22.22	587.67	2.22 %	58.77 %
95°	23.15	610.82	2.32 %	61.08 %
100°	25.52	636.34	2.55 %	63.63 %
105°	29.00	665.33	2.90 %	66.53 %
110°	32.74	698.08	3.27 %	69.81 %
115°	35.44	733.52	3.54 %	73.35 %
120°	36.16	769.68	3.62 %	76.97 %
125°	34.58	804.26	3.46 %	80.43 %
130°	30.54	834.79	3.05 %	83.48 %
135°	24.75	859.54	2.47 %	85.95 %
140°	18.44	877.98	1.84 %	87.80 %
145°	13.12	891.10	1.31 %	89.11 %
150°	9.33	900.43	0.93 %	90.04 %
155°	7.26	907.69	0.73 %	90.77 %
160°	9.40	917.09	0.94 %	91.71 %
165°	19.26	936.35	1.93 %	93.64 %
170°	27.70	964.06	2.77 %	96.41 %
175°	25.41	989.47	2.54 %	98.95 %
180°	10.53	1000.00	1.05 %	100.00 %

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Isolux (Ceiling)

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

