Luminaire
Code 33001304127
Name AMPHORA 01 LED BROWN
Measurem.
Code CL092A21F010GE1
Name AMPHORA 01 LED BROWN

Luminaire Flux	243.23 lm	Luminaire Power	16.99 W	Efficacy	14.32 lm/W	Efficiency	100.00%
Sources Flux	243.23 lm	Maximum value	154.83 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

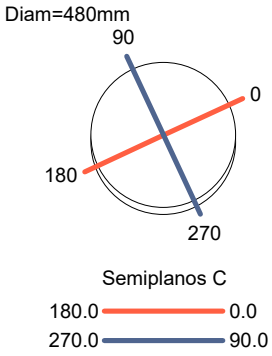
Round Luminaire	Diam. 480 mm	Height	710 mm
Round Luminous Area	Diam. 480 mm	Height	710 mm
Horizontal Luminous Area	0.180956 m2	Emitting area on Plane 180°	0.340800 m2
Emitting area on Plane 0°	0.340800 m2	Emitting area on Plane 270°	0.340800 m2
Emitting area on Plane 90°	0.340800 m2	Glare area at 76°	0.374454 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	12-04-2021	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	243.23 lm
Operator	Asselum T2	Rated Voltage	34.08 V
Temperature	24.80 °C	Rated Current	0.50 A
Humidity	34.90 %	Photocell	Prc
Notes			

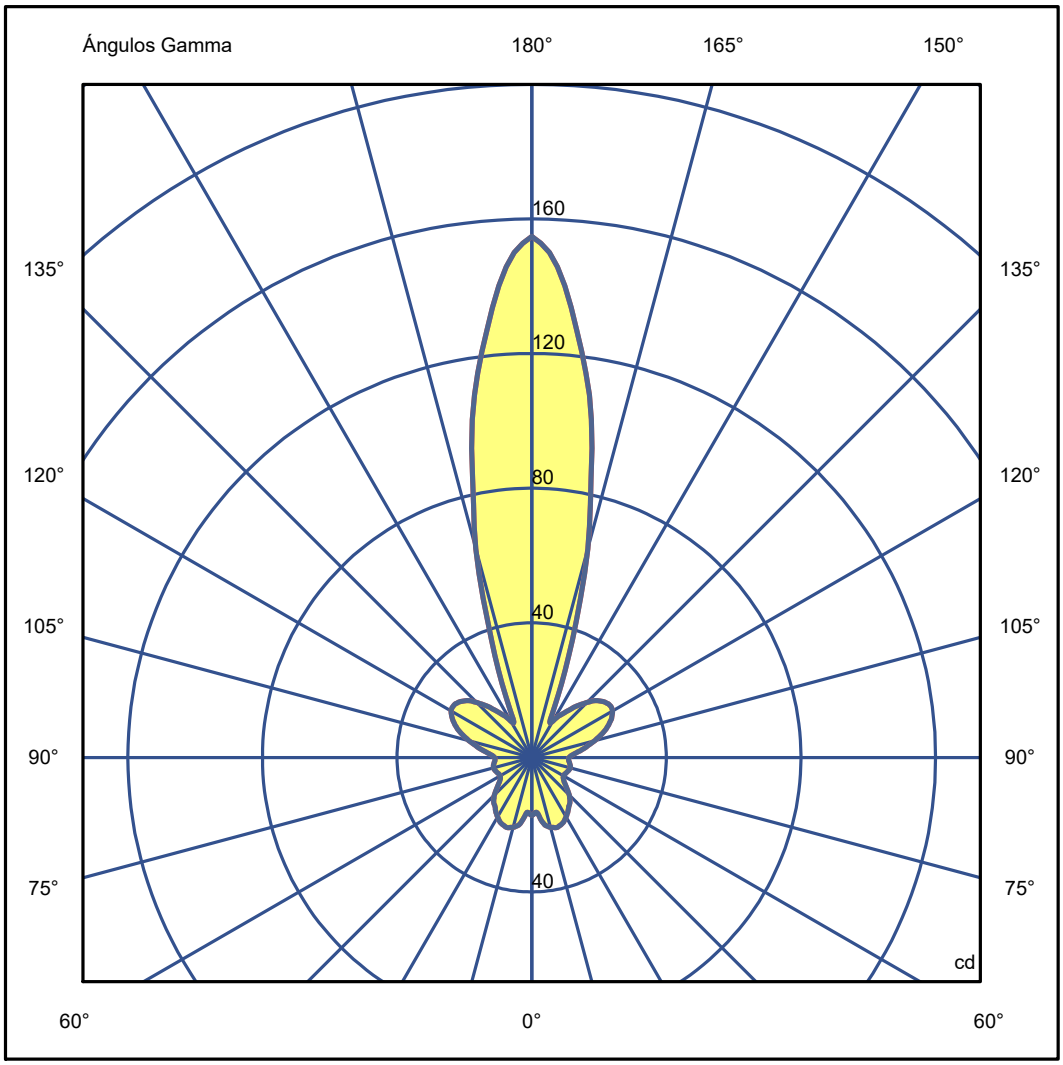
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED-5630 Ser.	SEOUL	243.23	16.99	1

C.I.E.	37 61 80 38 100	D DIN 5040	D22
F UTE	0.38 H + 0.62 T	B NBN	BZ 6







ULOR 62.34 %
DLOR 37.66 %
RN 62.34 %

Luminaire
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Sources Flux	243.23 lm	Maximum value	154.83 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

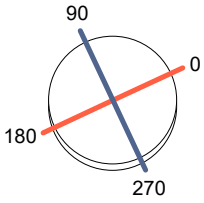
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	17.27	17.27	17.27	17.27	17.27	17.27	17.27
G 2.5	16.70	15.49	17.90	16.57	17.90	15.49	16.70
G 5.0	16.33	16.64	18.10	18.43	18.10	16.64	16.33
G 7.5	18.03	19.44	19.36	21.69	19.36	19.44	18.03
G 10.0	19.96	20.64	21.47	23.21	21.47	20.64	19.96
G 12.5	20.91	21.59	22.39	24.26	22.39	21.59	20.91
G 15.0	21.47	22.21	22.72	24.56	22.72	22.21	21.47
G 17.5	21.82	22.85	22.83	24.64	22.83	22.85	21.82
G 20.0	22.10	23.32	22.84	24.65	22.84	23.32	22.10
G 22.5	21.86	23.49	22.83	24.58	22.83	23.49	21.86
G 25.0	21.59	23.29	22.74	24.34	22.74	23.29	21.59
G 27.5	21.07	22.88	22.53	24.07	22.53	22.88	21.07
G 30.0	20.34	22.29	22.27	23.51	22.27	22.29	20.34
G 32.5	19.65	21.69	21.61	22.94	21.61	21.69	19.65
G 35.0	18.85	20.92	20.91	22.21	20.91	20.92	18.85
G 37.5	18.10	20.11	19.96	21.18	19.96	20.11	18.10
G 40.0	17.55	18.95	18.96	19.80	18.96	18.95	17.55
G 42.5	16.68	17.72	17.82	18.55	17.82	17.72	16.68
G 45.0	15.72	16.32	16.70	17.15	16.70	16.32	15.72
G 47.5	14.45	15.02	15.50	15.91	15.50	15.02	14.45
G 50.0	13.31	13.86	14.36	14.62	14.36	13.86	13.31
G 52.5	12.24	12.98	13.28	13.40	13.28	12.98	12.24
G 55.0	11.50	12.24	12.30	12.41	12.30	12.24	11.50
G 57.5	11.08	11.74	11.61	11.68	11.61	11.74	11.08
G 60.0	10.89	11.46	11.20	11.32	11.20	11.46	10.89
G 62.5	10.91	11.40	11.07	11.15	11.07	11.40	10.91
G 65.0	11.10	11.52	11.16	11.15	11.16	11.52	11.10
G 67.5	11.31	11.69	11.36	11.24	11.36	11.69	11.31
G 70.0	11.52	11.91	11.55	11.40	11.55	11.91	11.52
G 72.5	11.71	12.07	11.73	11.67	11.73	12.07	11.71
G 75.0	11.79	12.13	11.80	11.82	11.80	12.13	11.79
G 77.5	11.73	12.05	11.75	11.74	11.75	12.05	11.73
G 80.0	11.50	11.88	11.56	11.55	11.56	11.88	11.50
G 82.5	11.25	11.63	11.34	11.32	11.34	11.63	11.25
G 85.0	11.00	11.43	11.19	11.17	11.19	11.43	11.00
G 87.5	10.91	11.33	11.13	11.09	11.13	11.33	10.91
G 90.0	11.04	11.58	11.28	11.26	11.28	11.58	11.04
G 92.5	11.61	12.18	11.75	11.73	11.75	12.18	11.61
G 95.0	12.74	13.09	12.75	12.67	12.75	13.09	12.74
G 97.5	14.13	14.47	14.19	14.05	14.19	14.47	14.13
G100.0	15.80	16.09	15.91	15.72	15.91	16.09	15.80
G102.5	17.44	18.00	17.68	17.37	17.68	18.00	17.44
G105.0	19.38	19.85	19.35	19.18	19.35	19.85	19.38
G107.5	21.16	21.62	21.11	21.07	21.11	21.62	21.16
G110.0	22.98	23.24	22.97	22.75	22.97	23.24	22.98
G112.5	24.49	24.97	24.48	24.28	24.48	24.97	24.49
G115.0	25.86	26.45	25.97	25.77	25.97	26.45	25.86
G117.5	26.87	27.57	26.97	26.81	26.97	27.57	26.87
G120.0	27.69	28.25	27.61	27.54	27.61	28.25	27.69
G122.5	27.96	28.53	27.90	27.89	27.90	28.53	27.96
G125.0	27.75	28.42	27.83	27.70	27.83	28.42	27.75
G127.5	27.10	27.85	27.30	27.20	27.30	27.85	27.10
G130.0	26.19	26.87	26.30	26.28	26.30	26.87	26.19
G132.5	24.99	25.47	25.00	24.87	25.00	25.47	24.99
G135.0	23.04	23.84	23.52	23.47	23.52	23.84	23.04
G137.5	21.38	22.16	21.61	21.72	21.61	22.16	21.38
G140.0	19.43	20.41	19.70	19.75	19.70	20.41	19.43
G142.5	17.47	18.36	17.85	17.99	17.85	18.36	17.47
G145.0	15.82	16.29	16.02	16.14	16.02	16.29	15.82
G147.5	14.37	14.60	14.40	14.42	14.40	14.60	14.37
G150.0	12.53	13.11	13.03	12.98	13.03	13.11	12.53
G152.5	11.64	13.06	12.54	12.26	12.54	13.06	11.64
G155.0	14.33	15.79	14.69	14.76	14.69	15.79	14.33
G157.5	21.80	22.46	21.77	21.32	21.77	22.46	21.80
G160.0	32.09	35.34	34.16	32.11	34.16	35.34	32.09
G162.5	45.87	50.36	47.62	47.69	47.62	50.36	45.87
G165.0	64.21	66.28	63.87	64.51	63.87	66.28	64.21
G167.5	80.80	83.13	83.45	82.72	83.45	83.13	80.80
G170.0	102.01	102.10	100.76	99.90	100.76	102.10	102.01
G172.5	118.40	121.91	119.67	119.44	119.67	121.91	118.40
G175.0	134.20	139.16	137.58	135.63	137.58	139.16	134.20
G177.5	148.33	150.73	149.48	148.01	149.48	150.73	148.33
G180.0	154.83	154.83	154.83	154.83	154.83	154.83	154.83

Luminaire
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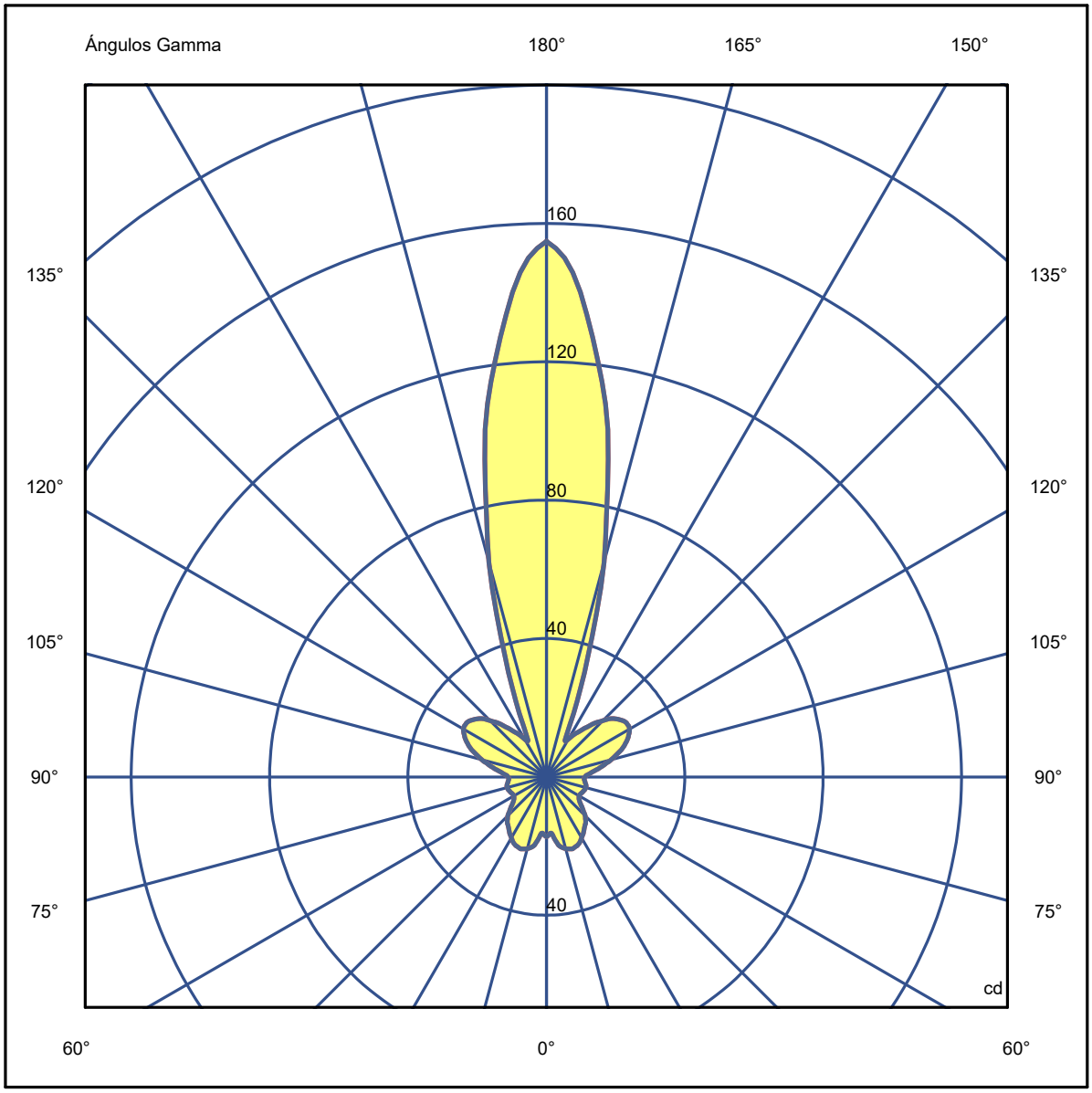
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Diam=480mm



Semiplanos C

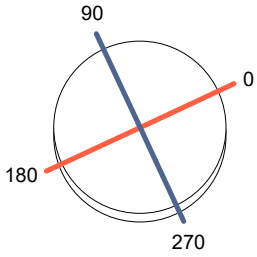
180.0 0.0
270.0 90.0



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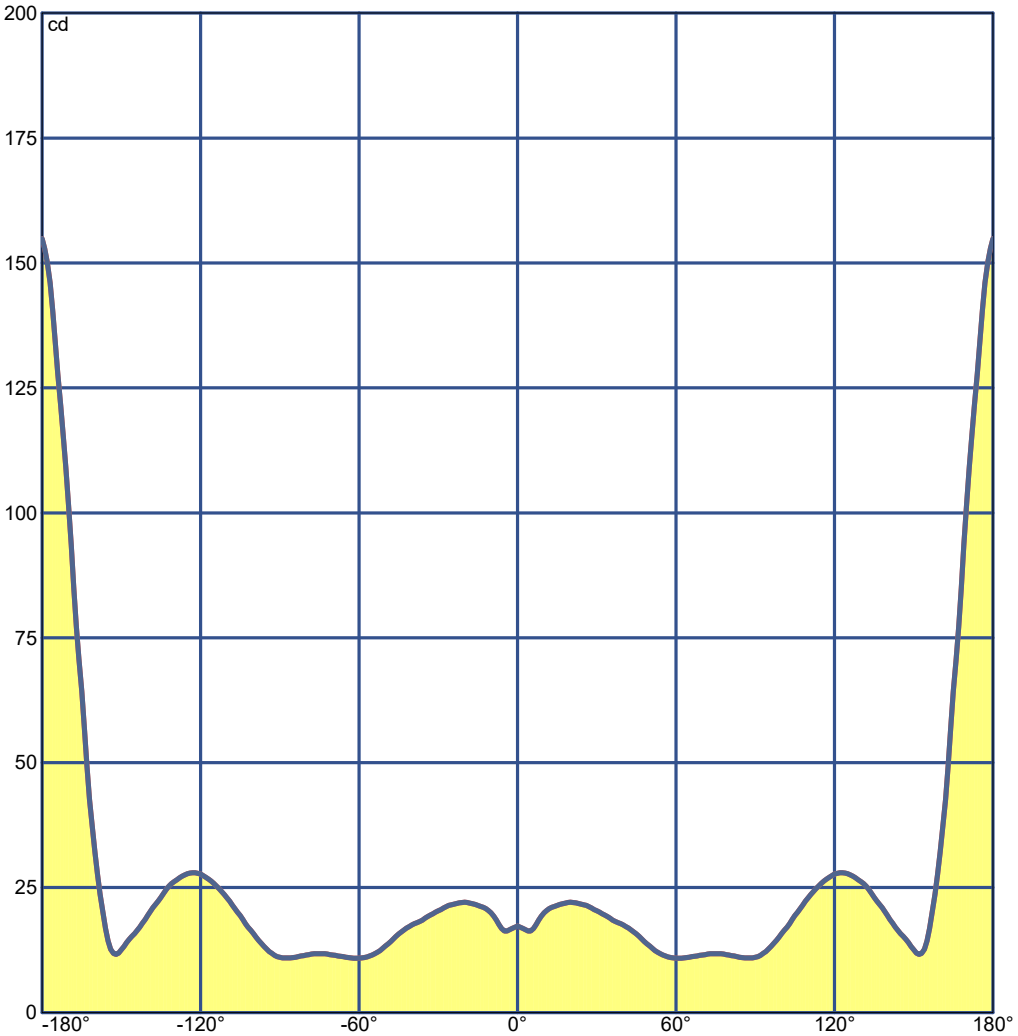
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Sources Flux	243.23 lm	Maximum value	154.83 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

Diam=480mm



Semiplanos C





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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	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	0.7	< 0	< 0	< 0	< 0	0.7
x=2H y=4H	< 0	< 0	< 0	0.5	1.9	< 0	< 0	< 0	0.5	1.9
x=2H y=6H	0.0	0.6	1.1	1.7	3.1	0.0	0.6	1.1	1.7	3.1
x=2H y=8H	0.6	1.1	1.6	2.2	3.6	0.6	1.1	1.6	2.2	3.6
x=2H y=12H	1.1	1.7	2.2	2.7	4.1	1.1	1.7	2.2	2.7	4.1
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	0.1	1.5	< 0	< 0	< 0	0.1	1.5
x=4H y=4H	< 0	0.3	0.9	1.4	2.8	< 0	0.3	0.9	1.4	2.8
x=4H y=6H	1.2	1.7	2.3	2.7	4.2	1.2	1.7	2.3	2.7	4.2
x=4H y=8H	1.9	2.3	3.0	3.4	4.8	1.9	2.3	3.0	3.4	4.8
x=4H y=12H	2.5	2.9	3.6	4.0	5.4	2.5	2.9	3.6	4.0	5.4
x=8H y=4H	0.3	0.7	1.4	1.8	3.3	0.3	0.7	1.4	1.8	3.2
x=8H y=6H	1.9	2.2	3.0	3.3	4.8	1.9	2.2	3.0	3.3	4.8
x=8H y=8H	2.7	3.0	3.8	4.1	5.6	2.7	3.0	3.8	4.1	5.6
x=8H y=12H	3.5	3.8	4.6	4.9	6.4	3.5	3.8	4.6	4.9	6.4
x=12H y=4H	1.2	1.6	2.3	2.7	4.2	1.2	1.6	2.3	2.7	4.2
x=12H y=6H	2.6	2.9	3.7	4.0	5.5	2.6	2.9	3.7	4.0	5.5
x=12H y=8H	3.4	3.6	4.5	4.8	6.3	3.4	3.6	4.5	4.8	6.3

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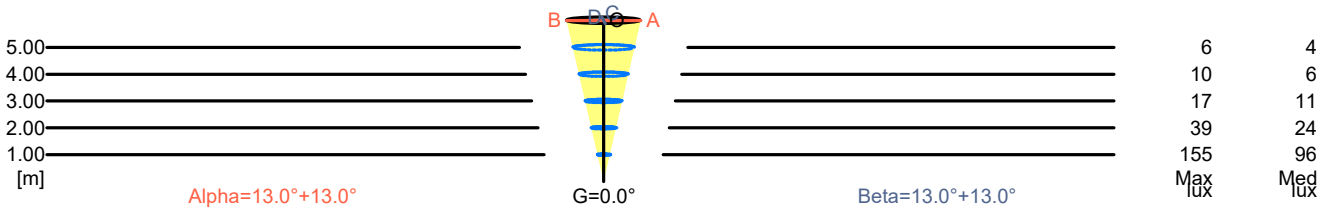
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Width at 50.00 % of Max Intensity

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	0.23	0.46	0.69	0.92	1.15	OC	0.23	0.46	0.69	0.92	1.15
OB	0.23	0.46	0.69	0.92	1.15	OD	0.23	0.46	0.69	0.92	1.15

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	154.83	134.20	64.21	14.33	15.82	23.04	27.75	25.86	19.38	12.74
OB	154.83	134.20	64.21	14.33	15.82	23.04	27.75	25.86	19.38	12.74
OC	154.83	134.20	64.21	14.33	15.82	23.04	27.75	25.86	19.38	12.74
OD	154.83	134.20	64.21	14.33	15.82	23.04	27.75	25.86	19.38	12.74



5.00	2.30	6	4	
4.00	1.84	10	6	
3.00	1.38	17	11	
2.00	0.92	39	24	
1.00	0.46	155	96	
H[m]	D[m]	Max lux	Med lux	Alpha=13.0°+13.0° G=0.0

5.00	2.30	6	4	
4.00	1.84	10	6	
3.00	1.38	17	11	
2.00	0.92	39	24	
1.00	0.46	155	96	
H[m]	D[m]	Max lux	Med lux	Beta=13.0°+13.0° G=0.0

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Flujo Total=243.23 Flujo Luminaria=243.23

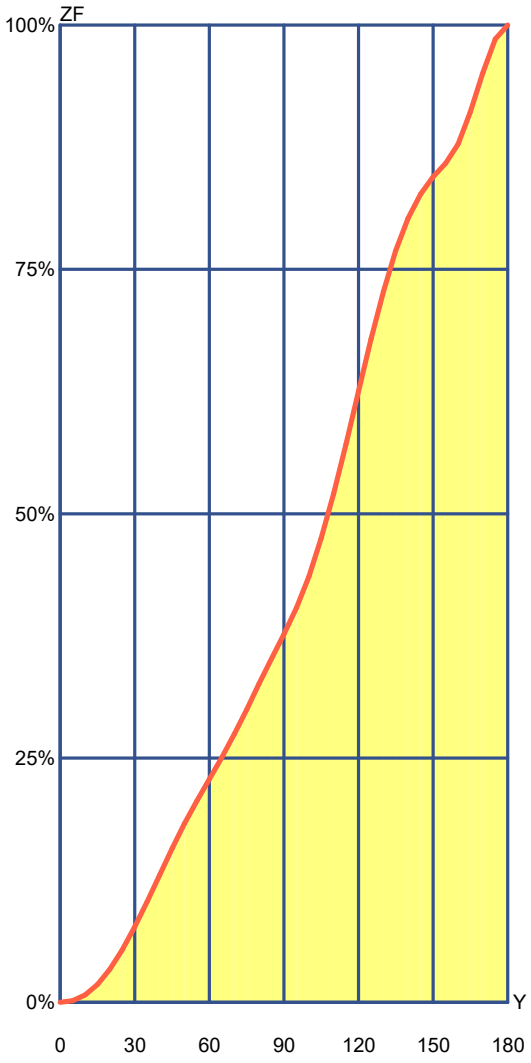
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.24	0.31	0.36	0.42	0.47	0.54	0.60	0.64	0.70	0.74	0.84	0.90
RC	7	7	7	7	7	8	8	8	8	8	8	8

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)	7	34	77	130	183	228	274	326	377	436	520	625	728	802	845	878	951	1000

Códigos de Flujo C.I.E.
37 61 80 38 100

C.I.E.	7/7/7/7/7/8/8/8/8/8/8	LOR	100.00000 %
D DIN 5040	D22	ULOR	62.33604 %
F UTE	0.38 H + 0.62 T	DLOR	37.66396 %
B NBN	BZ 6	UFF	62.33604 %
RN	62.33604 %	DFF	37.66396 %
BLF	1.0	FFR	165.50581 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.67	1.67	0.17 %	0.17 %
10°	5.76	7.43	0.58 %	0.74 %
15°	10.78	18.21	1.08 %	1.82 %
20°	15.55	33.77	1.56 %	3.38 %
25°	19.95	53.71	1.99 %	5.37 %
30°	23.53	77.24	2.35 %	7.72 %
35°	26.02	103.26	2.60 %	10.33 %
40°	27.23	130.50	2.72 %	13.05 %
45°	26.92	157.41	2.69 %	15.74 %
50°	25.32	182.74	2.53 %	18.27 %
55°	23.35	206.09	2.34 %	20.61 %
60°	22.12	228.21	2.21 %	22.82 %
65°	22.42	250.63	2.24 %	25.06 %
70°	23.84	274.47	2.38 %	27.45 %
75°	25.37	299.84	2.54 %	29.98 %
80°	25.99	325.83	2.60 %	32.58 %
85°	25.55	351.38	2.55 %	35.14 %
90°	25.26	376.64	2.53 %	37.66 %
95°	26.97	403.61	2.70 %	40.36 %
100°	31.98	435.59	3.20 %	43.56 %
105°	38.94	474.52	3.89 %	47.45 %
110°	45.70	520.22	4.57 %	52.02 %
115°	51.16	571.39	5.12 %	57.14 %
120°	54.04	625.42	5.40 %	62.54 %
125°	53.24	678.66	5.32 %	67.87 %
130°	48.88	727.54	4.89 %	72.75 %
135°	41.67	769.21	4.17 %	76.92 %
140°	33.14	802.36	3.31 %	80.24 %
145°	24.72	827.07	2.47 %	82.71 %
150°	17.59	844.66	1.76 %	84.47 %
155°	13.77	858.43	1.38 %	85.84 %
160°	19.78	878.21	1.98 %	87.82 %
165°	32.71	910.91	3.27 %	91.09 %
170°	40.01	950.92	4.00 %	95.09 %
175°	34.77	985.69	3.48 %	98.57 %
180°	14.31	1000.00	1.43 %	100.00 %

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Isolux (Ceiling)

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

