Luminaire
Code 33002304126
Name AMPHORA 02 LED BEIGE
Measurem.
Code CL092A21F009GE1
Name AMPHORA 02 LED BEIGE

Luminaire Flux	395.27 lm	Luminaire Power	24.50 W	Efficacy	16.13 lm/W	Efficiency	100.00%
Sources Flux	395.27 lm	Maximum value	192.91 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

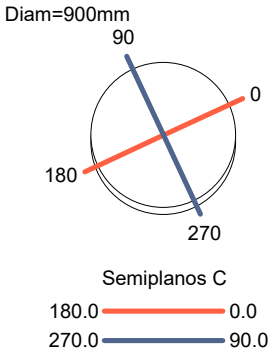
Round Luminaire	Diam. 900 mm	Height	1300 mm
Round Luminous Area	Diam. 900 mm	Height	1300 mm
Horizontal Luminous Area	0.636173 m2	Emitting area on Plane 180°	1.170000 m2
Emitting area on Plane 0°	1.170000 m2	Emitting area on Plane 270°	1.170000 m2
Emitting area on Plane 90°	1.170000 m2	Glare area at 76°	1.289150 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	09-04-2021	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	395.27 lm
Operator	ASSELUM	Rated Voltage	35.20 V
Temperature	25.10 °C	Rated Current	0.70 A
Humidity	30.20 %	Photocell	Prc
Notes			

Luminaire Sources

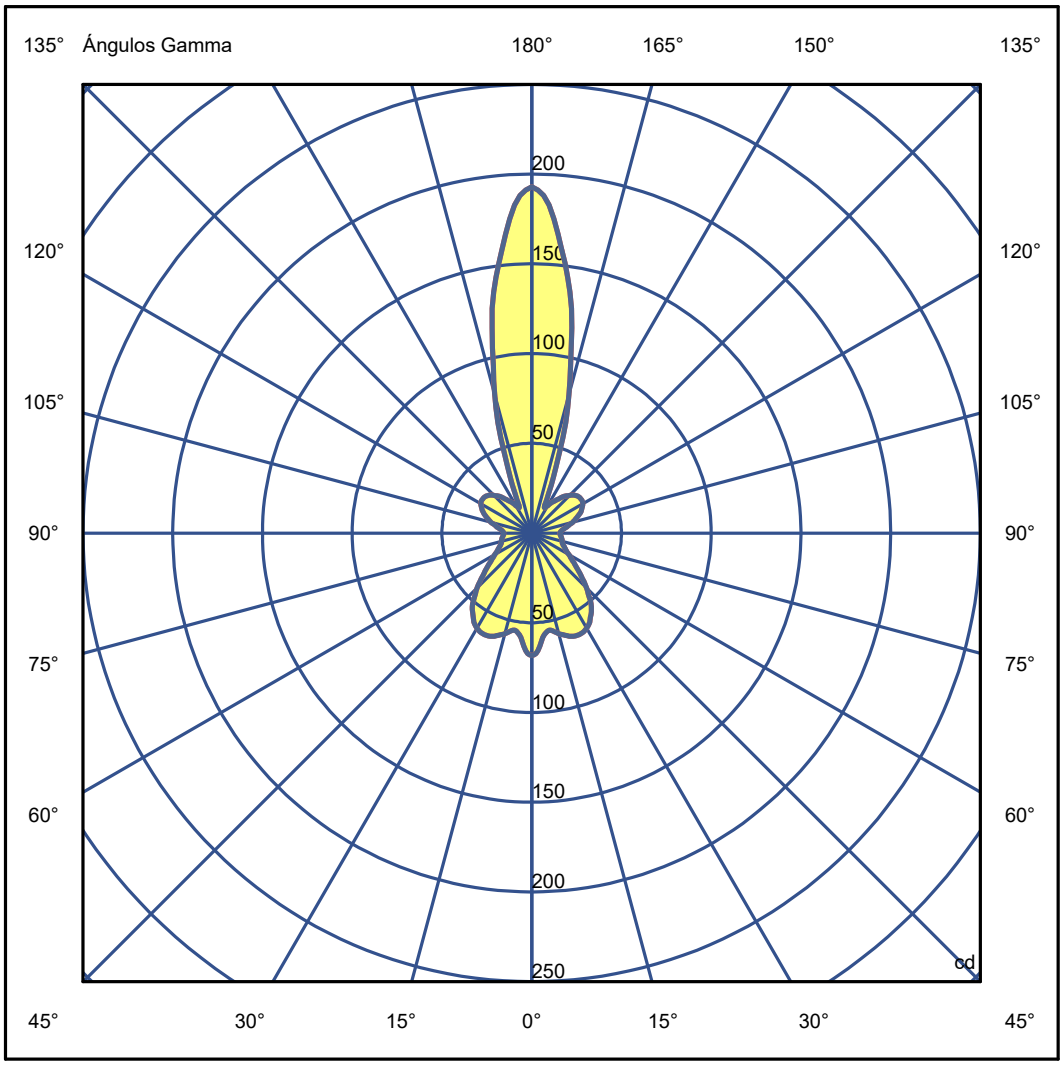
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	Mid-Power LED-5630 Ser.	SEOUL	395.27	24.50	1

C.I.E.	45 72 88 53 100	D DIN 5040	C31
F UTE	0.53 E + 0.47 T	B NBN	BZ 5





ULOR 47.30 %
DLOR 52.70 %
RN 47.30 %



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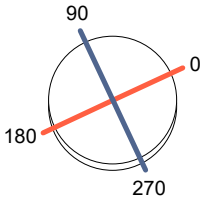
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	68.12	68.12	68.12	68.12	68.12	68.12	68.12
G 2.5	66.44	61.77	55.36	52.36	55.36	61.77	66.44
G 5.0	60.59	56.48	50.87	48.16	50.87	56.48	60.59
G 7.5	56.47	53.39	47.58	44.15	47.58	53.39	56.47
G 10.0	54.95	56.29	58.83	60.36	58.83	56.29	54.95
G 12.5	55.94	57.58	60.55	62.47	60.55	57.58	55.94
G 15.0	57.91	59.45	62.23	63.98	62.23	59.45	57.91
G 17.5	59.48	60.87	63.59	65.21	63.59	60.87	59.48
G 20.0	61.06	62.26	64.64	66.01	64.64	62.26	61.06
G 22.5	62.04	63.28	65.45	66.25	65.45	63.28	62.04
G 25.0	62.38	63.53	65.56	66.30	65.56	63.53	62.38
G 27.5	62.08	62.99	64.79	65.78	64.79	62.99	62.08
G 30.0	61.15	62.04	63.75	64.69	63.75	62.04	61.15
G 32.5	59.65	60.49	62.01	62.92	62.01	60.49	59.65
G 35.0	56.99	57.99	59.77	60.72	59.77	57.99	56.99
G 37.5	54.48	55.68	57.47	58.10	57.47	55.68	54.48
G 40.0	51.34	52.72	54.30	54.74	54.30	52.72	51.34
G 42.5	46.90	48.29	50.47	51.57	50.47	48.29	46.90
G 45.0	43.11	44.29	46.48	47.61	46.48	44.29	43.11
G 47.5	38.73	39.99	42.35	43.64	42.35	39.99	38.73
G 50.0	34.81	35.91	37.97	39.14	37.97	35.91	34.81
G 52.5	31.52	32.54	34.48	35.63	34.48	32.54	31.52
G 55.0	28.41	29.26	30.90	31.94	30.90	29.26	28.41
G 57.5	25.89	26.60	27.97	28.88	27.97	26.60	25.89
G 60.0	23.87	24.33	25.27	26.10	25.27	24.33	23.87
G 62.5	21.94	22.34	22.96	23.38	22.96	22.34	21.94
G 65.0	20.59	20.75	21.03	21.21	21.03	20.75	20.59
G 67.5	19.42	19.51	19.67	19.75	19.67	19.51	19.42
G 70.0	18.34	18.42	18.58	18.66	18.58	18.42	18.34
G 72.5	17.79	17.86	17.98	18.02	17.98	17.86	17.79
G 75.0	17.51	17.58	17.69	17.71	17.69	17.58	17.51
G 77.5	17.23	17.31	17.45	17.49	17.45	17.31	17.23
G 80.0	16.89	16.98	17.15	17.21	17.15	16.98	16.89
G 82.5	16.53	16.57	16.64	16.64	16.64	16.57	16.53
G 85.0	16.05	16.09	16.15	16.14	16.15	16.09	16.05
G 87.5	15.76	15.77	15.78	15.73	15.78	15.77	15.76
G 90.0	15.66	15.65	15.61	15.54	15.61	15.65	15.66
G 92.5	15.92	15.86	15.75	15.63	15.75	15.86	15.92
G 95.0	16.65	16.57	16.40	16.26	16.40	16.57	16.65
G 97.5	17.92	17.89	17.81	17.66	17.81	17.89	17.92
G100.0	19.68	19.63	19.45	19.20	19.45	19.63	19.68
G102.5	21.43	21.38	21.29	21.20	21.29	21.38	21.43
G105.0	23.61	23.57	23.39	23.16	23.39	23.57	23.61
G107.5	25.42	25.41	25.39	25.36	25.39	25.41	25.42
G110.0	27.15	27.15	27.15	27.15	27.15	27.15	27.15
G112.5	29.02	29.03	29.03	28.99	29.03	29.03	29.02
G115.0	30.52	30.53	30.54	30.51	30.54	30.53	30.52
G117.5	31.72	31.76	31.81	31.83	31.81	31.76	31.72
G120.0	32.77	32.81	32.89	32.91	32.89	32.81	32.77
G122.5	33.26	33.34	33.48	33.54	33.48	33.34	33.26
G125.0	33.40	33.48	33.60	33.64	33.60	33.48	33.40
G127.5	33.14	33.18	33.23	33.23	33.23	33.18	33.14
G130.0	32.49	32.50	32.51	32.47	32.51	32.50	32.49
G132.5	31.43	31.43	31.40	31.33	31.40	31.43	31.43
G135.0	29.72	29.73	29.72	29.65	29.72	29.73	29.72
G137.5	28.11	28.07	27.98	27.86	27.98	28.07	28.11
G140.0	26.29	26.15	25.86	25.59	25.86	26.15	26.29
G142.5	23.78	23.76	23.71	23.66	23.71	23.76	23.78
G145.0	21.86	21.78	21.61	21.42	21.61	21.78	21.86
G147.5	20.00	19.90	19.70	19.49	19.70	19.90	20.00
G150.0	17.76	17.72	17.60	17.44	17.60	17.72	17.76
G152.5	16.14	16.58	17.17	17.44	17.17	16.58	16.14
G155.0	17.03	19.18	21.30	21.94	21.30	19.18	17.03
G157.5	26.66	28.16	29.15	28.85	29.15	28.16	26.66
G160.0	39.70	41.53	42.79	42.72	42.79	41.53	39.70
G162.5	60.19	61.04	60.75	59.52	60.75	61.04	60.19
G165.0	80.12	80.52	81.04	80.92	81.04	80.52	80.12
G167.5	100.23	101.06	102.18	102.33	102.18	101.06	100.23
G170.0	127.15	125.99	125.12	123.94	125.12	125.99	127.15
G172.5	147.64	146.69	146.21	145.41	146.21	146.69	147.64
G175.0	167.19	167.19	166.34	164.59	166.34	167.19	167.19
G177.5	185.95	184.00	179.96	176.55	179.96	184.00	185.95
G180.0	192.91	192.91	192.91	192.91	192.91	192.91	192.91

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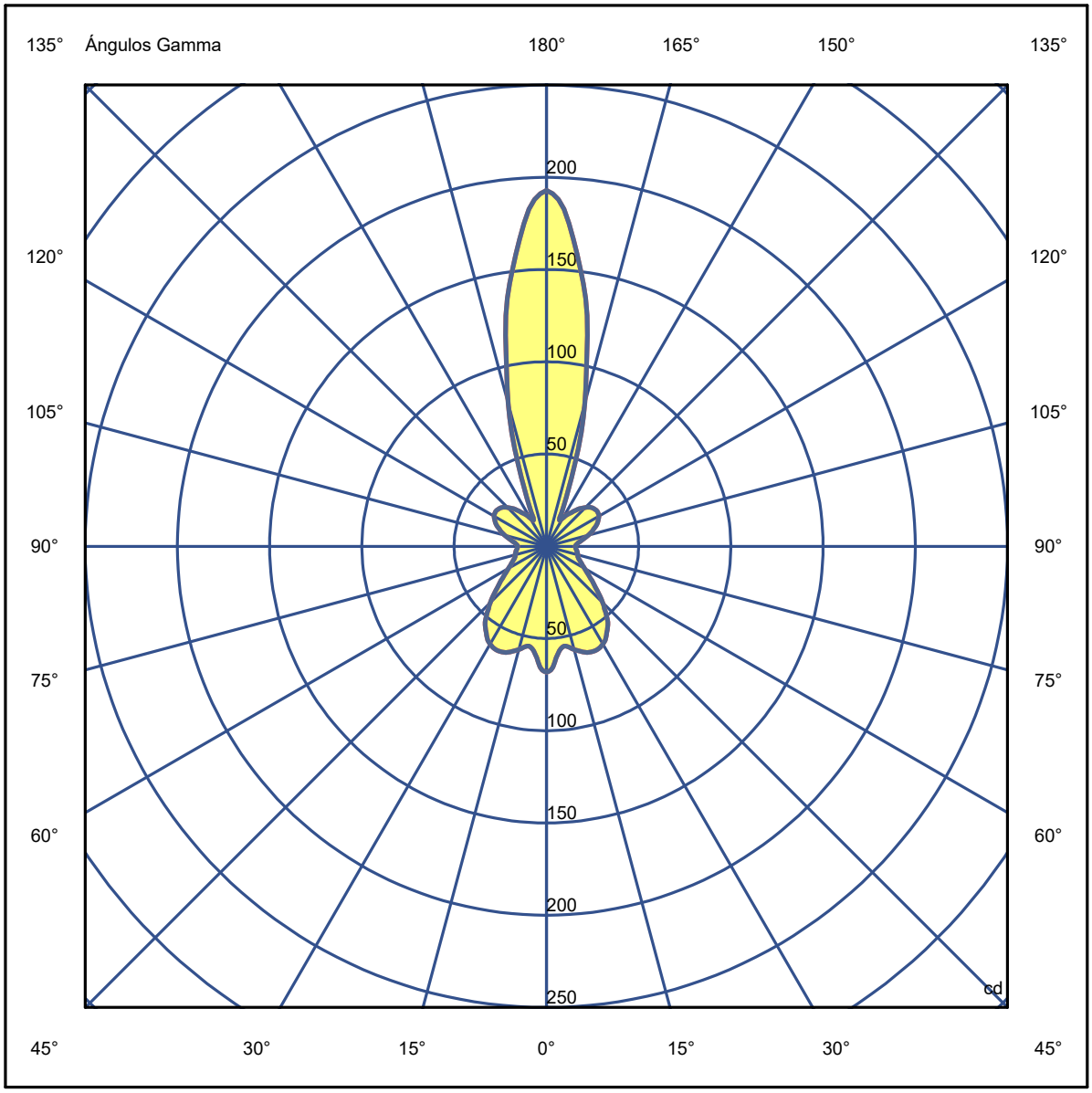
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Sources Flux	395.27 lm	Maximum value	192.91 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

Diam=900mm



Semiplanos C

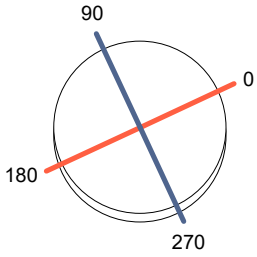
180.0 0.0
270.0 90.0



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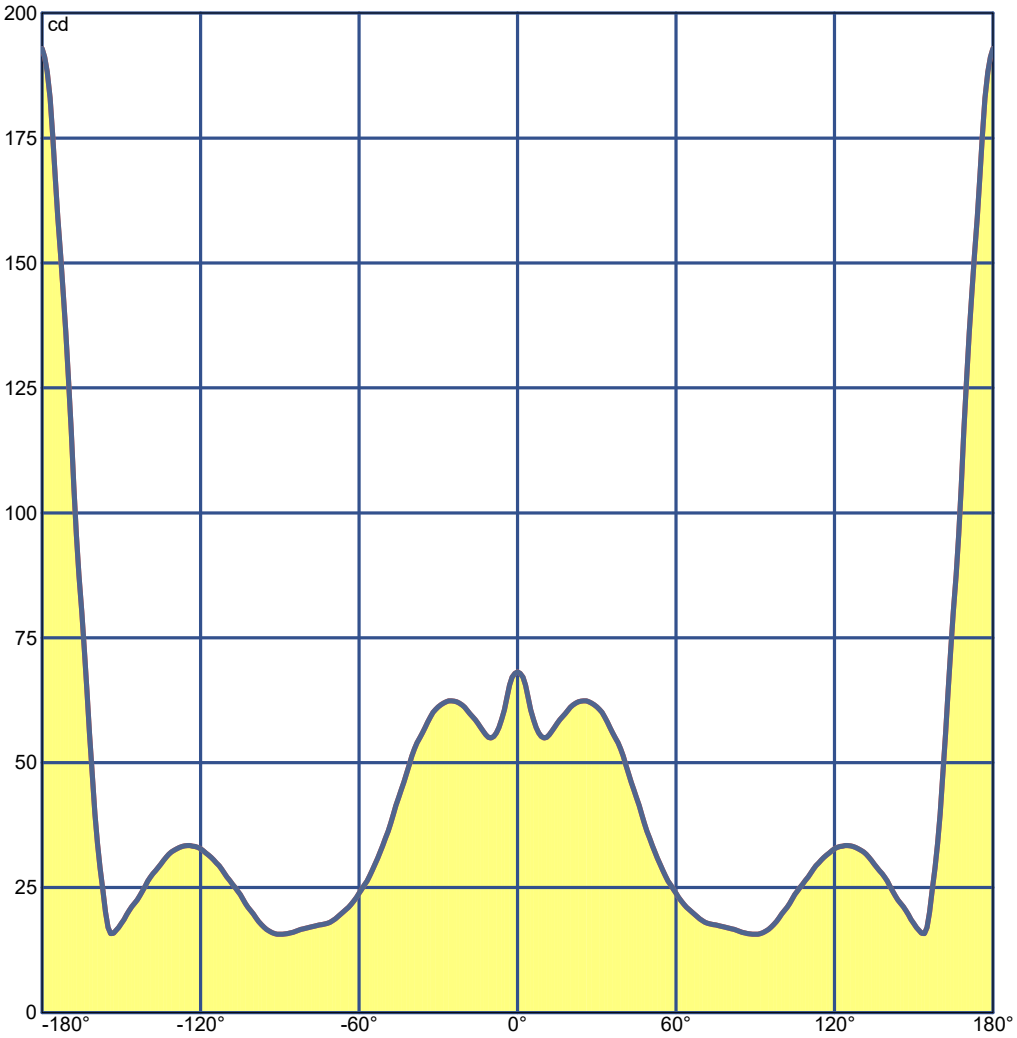
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Diam=900mm



Semiplanos C





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Sources Flux	395.27 lm	Maximum value	192.91 cd	Position	C=0.00 G=180.00	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	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	< 0	< 0	< 0	< 0	0.3	< 0	< 0	< 0	< 0	0.3
x=2H y=6H	< 0	< 0	< 0	< 0	1.0	< 0	< 0	< 0	< 0	1.0
x=2H y=8H	< 0	< 0	< 0	0.2	1.4	< 0	< 0	< 0	0.2	1.4
x=2H y=12H	< 0	< 0	< 0	0.6	1.7	< 0	< 0	< 0	0.6	1.7
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	0.2	< 0	< 0	< 0	< 0	0.2
x=4H y=4H	< 0	< 0	< 0	< 0	1.0	< 0	< 0	< 0	< 0	1.0
x=4H y=6H	< 0	< 0	0.2	0.7	1.9	< 0	< 0	0.2	0.7	1.9
x=4H y=8H	< 0	0.1	0.7	1.1	2.4	< 0	0.1	0.7	1.1	2.4
x=4H y=12H	0.2	0.6	1.2	1.6	2.8	0.2	0.6	1.2	1.6	2.8
x=8H y=4H	< 0	< 0	< 0	< 0	1.3	< 0	< 0	< 0	< 0	1.3
x=8H y=6H	< 0	0.1	0.7	1.1	2.4	< 0	0.1	0.7	1.1	2.4
x=8H y=8H	0.4	0.7	1.4	1.7	3.0	0.4	0.7	1.4	1.7	3.0
x=8H y=12H	1.0	1.3	2.0	2.3	3.6	1.0	1.3	2.0	2.3	3.6
x=12H y=4H	< 0	< 0	0.2	0.6	1.9	< 0	< 0	0.2	0.6	1.9
x=12H y=6H	0.3	0.6	1.3	1.6	2.9	0.3	0.6	1.3	1.6	2.9
x=12H y=8H	0.9	1.2	1.9	2.2	3.5	0.9	1.2	1.9	2.2	3.5

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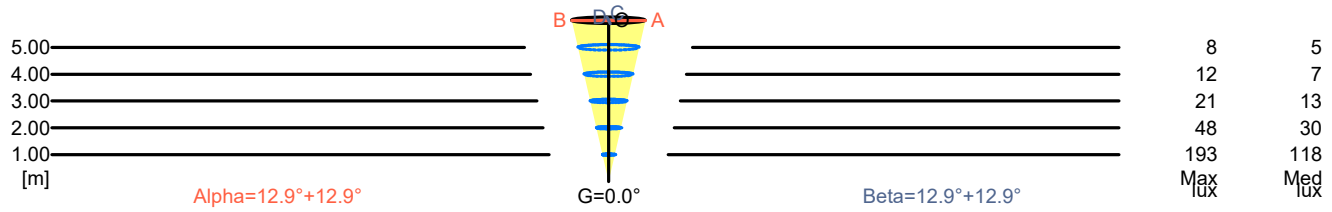
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Width at 50.00 % of Max Intensity

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]

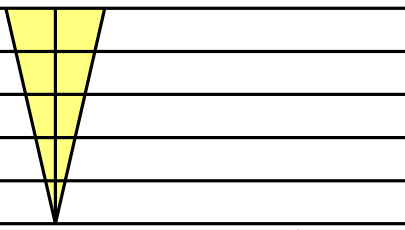
	0	5	15	25	35	45	55	65	75	85
OA	192.91	167.19	80.12	17.03	21.86	29.72	33.40	30.52	23.61	16.65
OB	192.91	167.19	80.12	17.03	21.86	29.72	33.40	30.52	23.61	16.65
OC	192.91	167.19	80.12	17.03	21.86	29.72	33.40	30.52	23.61	16.65
OD	192.91	167.19	80.12	17.03	21.86	29.72	33.40	30.52	23.61	16.65



5.00	2.29	8	5	
4.00	1.83	12	7	
3.00	1.38	21	13	
2.00	0.92	48	30	
1.00	0.46	193	118	
H[m]	D[m]	Max lux	Med lux	Alpha=12.9°+12.9° G=0.0



5.00	2.29	8	5	
4.00	1.83	12	7	
3.00	1.38	21	13	
2.00	0.92	48	30	
1.00	0.46	193	118	
H[m]	D[m]	Max lux	Med lux	Beta=12.9°+12.9° G=0.0



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Flujo Total=395.27 Flujo Luminaria=395.27

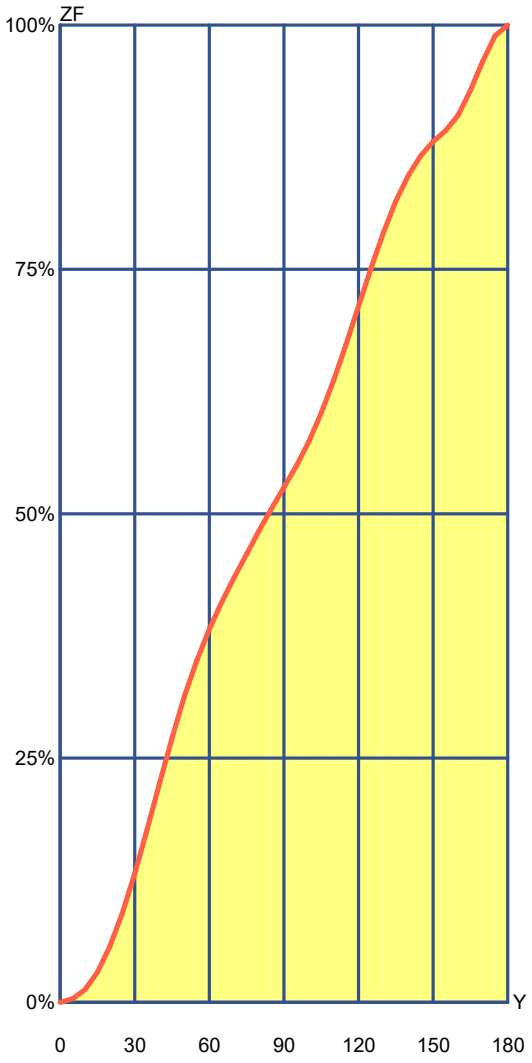
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.29	0.37	0.44	0.50	0.55	0.63	0.68	0.72	0.77	0.80	0.88	0.93
RC	5	5	6	6	6	6	6	6	7	7	7	7

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)	13	57	132	225	313	382	435	482	527	574	636	712	788	846	881	908	963	1000

Códigos de Flujo C.I.E.
45 72 88 53 100

C.I.E.	5/5/6/6/6/6/6/7/7/7/7	LOR	100.00000 %
D DIN 5040	C31	ULOR	47.29601 %
F UTE	0.53 E + 0.47 T	DLOR	52.70399 %
B NBN	BZ 5	UFF	47.29601 %
RN	47.29601 %	DFF	52.70399 %
BLF	1.0	FFR	89.73897 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.52	3.52	0.35 %	0.35 %
10°	9.64	13.15	0.96 %	1.32 %
15°	17.78	30.94	1.78 %	3.09 %
20°	25.97	56.90	2.60 %	5.69 %
25°	34.04	90.95	3.40 %	9.09 %
30°	40.84	131.79	4.08 %	13.18 %
35°	45.48	177.27	4.55 %	17.73 %
40°	47.49	224.76	4.75 %	22.48 %
45°	46.19	270.95	4.62 %	27.09 %
50°	42.05	313.00	4.20 %	31.30 %
55°	36.86	349.85	3.69 %	34.99 %
60°	32.03	381.88	3.20 %	38.19 %
65°	27.99	409.87	2.80 %	40.99 %
70°	25.16	435.03	2.52 %	43.50 %
75°	23.79	458.82	2.38 %	45.88 %
80°	23.50	482.32	2.35 %	48.23 %
85°	22.81	505.13	2.28 %	50.51 %
90°	21.91	527.04	2.19 %	52.70 %
95°	22.06	549.10	2.21 %	54.91 %
100°	24.62	573.72	2.46 %	57.37 %
105°	28.97	602.69	2.90 %	60.27 %
110°	33.51	636.20	3.35 %	63.62 %
115°	37.05	673.26	3.71 %	67.33 %
120°	39.03	712.29	3.90 %	71.23 %
125°	38.94	751.23	3.89 %	75.12 %
130°	36.43	787.66	3.64 %	78.77 %
135°	31.97	819.62	3.20 %	81.96 %
140°	26.19	845.81	2.62 %	84.58 %
145°	20.10	865.91	2.01 %	86.59 %
150°	14.72	880.63	1.47 %	88.06 %
155°	11.40	892.03	1.14 %	89.20 %
160°	15.58	907.61	1.56 %	90.76 %
165°	25.12	932.73	2.51 %	93.27 %
170°	30.38	963.10	3.04 %	96.31 %
175°	26.16	989.27	2.62 %	98.93 %
180°	10.73	1000.00	1.07 %	100.00 %

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Sources Flux	395.27 lm	Maximum value	192.91 cd	Position	C=0.00 G=180.00	CG	Double Symmetrical

Isolux (Ceiling)

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

