Luminaire
Code 201-001
Name BOL_PORTABLE_OPTICAL_SET
Measurem.
Code CL092A22F009G
Name BOL_PORTABLE_OPTICAL_SET

Luminaire Flux	366.02 lm	Luminaire Power	7.92 W	Efficacy	46.21 lm/W	Efficiency	100.00%
Sources Flux	366.02 lm	Maximum value	150.57 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

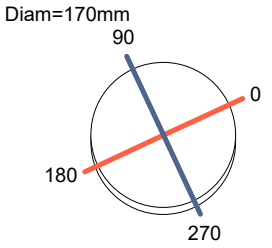
Round Luminaire	Diam. 170 mm	Height	100 mm
Round Luminous Area	Diam. 160 mm	Height	0 mm
Horizontal Luminous Area	0.020106 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.004864 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	05-04-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	366.02 lm
Operator	Asselum T2	Rated Voltage	11.34 V
Temperature	24.80 °C	Rated Current	0.70 A
Humidity	20.30 %	Photocell	Prc
Notes	RM22033101.1		

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	MP 2835 LM281B	SPMWHD28RDZWAWMS	366.02	7.92	1

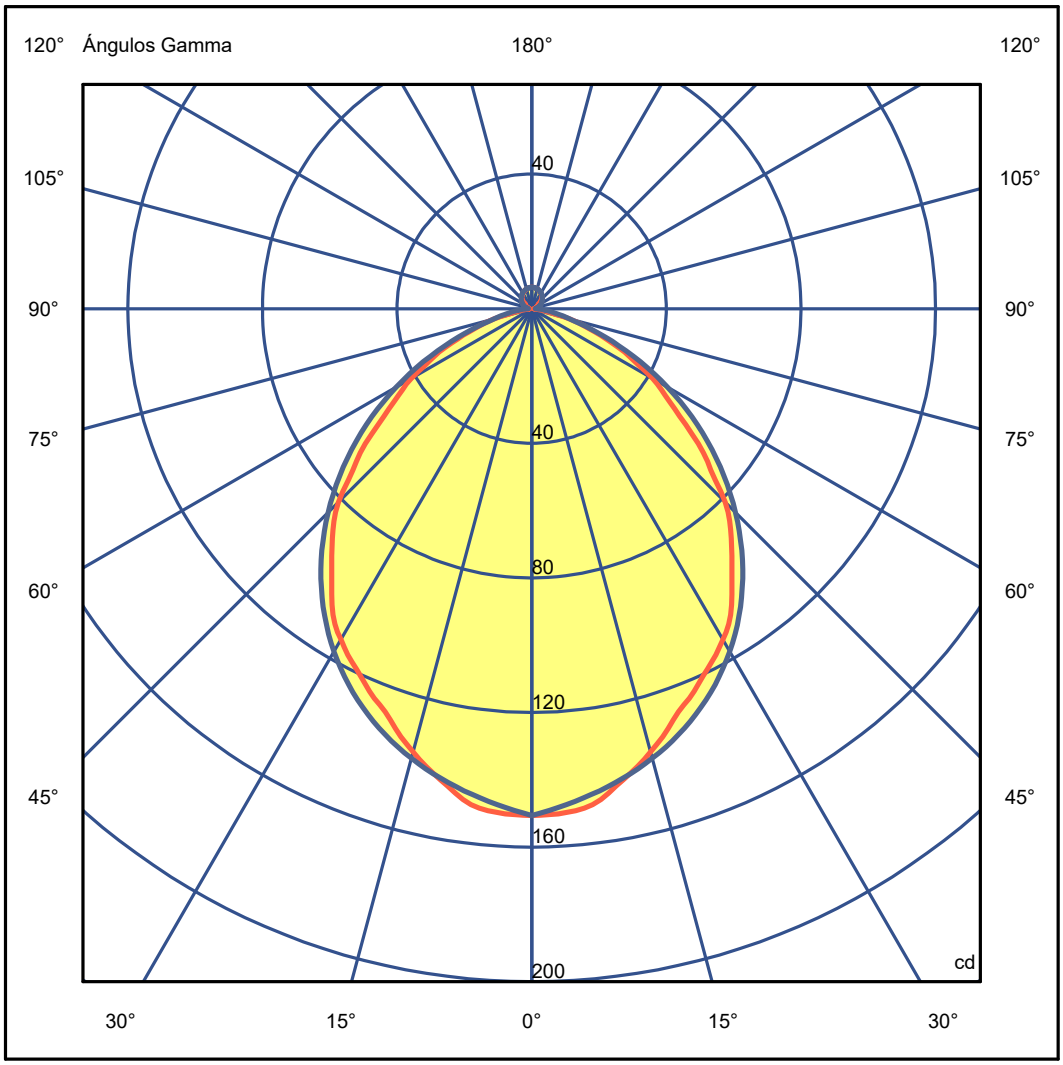
C.I.E.	53 85 97 94 100	D DIN 5040	A41
F UTE	0.94 D + 0.06 T	B NBN	BZ 4





Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 5.73 %
DLOR 94.27 %
RN 5.73 %



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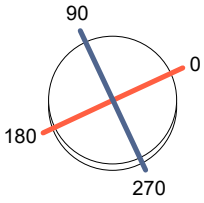
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	150.57	150.57	150.57	150.57	150.57	150.57	150.57
G 2.5	150.35	149.85	149.41	149.08	148.87	148.79	148.78
G 5.0	149.68	148.66	147.85	147.23	146.86	146.81	146.95
G 7.5	147.93	146.50	145.49	144.93	144.66	144.62	145.03
G 10.0	144.03	142.50	141.91	142.10	142.16	142.29	142.97
G 12.5	140.37	139.04	138.68	138.63	139.26	139.84	140.75
G 15.0	136.33	135.00	134.97	135.64	136.24	137.22	138.30
G 17.5	132.05	131.00	131.14	132.47	133.23	134.37	135.60
G 20.0	127.41	127.22	127.75	128.87	130.26	131.32	132.62
G 22.5	124.22	123.43	124.51	125.28	127.23	128.09	129.34
G 25.0	120.39	119.76	121.26	122.16	123.91	124.67	125.76
G 27.5	117.13	116.73	118.49	118.77	120.24	120.99	121.85
G 30.0	113.51	112.80	115.10	115.05	116.07	117.02	117.60
G 32.5	109.50	107.58	110.75	111.01	111.76	112.66	113.00
G 35.0	103.61	103.08	105.29	106.61	107.32	107.88	108.07
G 37.5	97.71	98.57	99.96	101.42	102.54	102.73	102.84
G 40.0	92.38	93.59	94.58	96.28	97.09	97.25	97.34
G 42.5	87.30	88.60	89.35	90.08	91.03	91.49	91.58
G 45.0	81.29	82.20	83.82	84.75	85.20	85.51	85.61
G 47.5	73.00	74.54	77.67	79.21	79.32	79.35	79.43
G 50.0	66.61	68.12	71.99	73.10	73.14	73.04	73.10
G 52.5	58.78	62.00	65.01	66.48	66.64	66.57	66.62
G 55.0	51.75	55.94	59.19	60.30	60.05	60.00	60.02
G 57.5	46.32	50.21	53.33	53.86	53.54	53.38	53.34
G 60.0	41.35	43.70	46.35	47.26	47.06	46.76	46.59
G 62.5	35.20	38.15	40.57	40.74	40.61	40.16	39.84
G 65.0	30.40	33.28	34.69	34.61	34.32	33.67	33.22
G 67.5	24.80	28.07	28.76	28.93	28.28	27.42	26.91
G 70.0	19.90	23.46	23.96	23.62	22.58	21.60	21.08
G 72.5	15.45	18.59	19.64	18.80	17.40	16.35	15.89
G 75.0	11.52	15.01	15.81	14.59	12.95	11.89	11.52
G 77.5	6.60	12.40	12.32	11.04	9.41	8.70	9.03
G 80.0	4.24	9.94	9.48	8.14	6.85	6.25	6.86
G 82.5	2.51	7.71	7.07	5.81	4.81	4.34	5.01
G 85.0	1.38	5.54	4.96	3.97	3.26	2.91	3.46
G 87.5	0.87	3.72	3.26	2.62	2.14	1.91	2.20
G 90.0	1.49	2.47	2.12	1.75	1.43	1.27	1.24
G 92.5	0.67	1.82	1.76	1.47	1.15	1.08	1.06
G 95.0	0.77	1.61	1.65	1.42	1.14	1.12	1.07
G 97.5	0.82	1.60	1.67	1.52	1.27	1.23	1.20
G100.0	0.94	1.64	1.79	1.69	1.51	1.45	1.43
G102.5	1.06	1.77	1.91	1.90	1.79	1.73	1.71
G105.0	1.20	1.92	2.03	2.08	2.05	2.02	2.00
G107.5	1.34	2.07	2.17	2.24	2.27	2.27	2.26
G110.0	1.49	2.24	2.35	2.41	2.47	2.49	2.49
G112.5	1.62	2.41	2.54	2.59	2.67	2.69	2.70
G115.0	1.78	2.61	2.72	2.79	2.86	2.88	2.90
G117.5	1.91	2.79	2.92	2.99	3.06	3.06	3.09
G120.0	2.12	2.99	3.13	3.21	3.25	3.25	3.28
G122.5	2.27	3.23	3.33	3.42	3.45	3.45	3.47
G125.0	2.42	3.52	3.52	3.61	3.66	3.65	3.67
G127.5	2.79	3.73	3.73	3.82	3.86	3.86	3.87
G130.0	3.35	3.90	3.96	4.01	4.06	4.07	4.07
G132.5	3.89	4.15	4.17	4.21	4.25	4.28	4.27
G135.0	4.25	4.33	4.36	4.40	4.45	4.48	4.46
G137.5	4.45	4.52	4.56	4.59	4.63	4.67	4.65
G140.0	4.62	4.73	4.75	4.81	4.82	4.84	4.83
G142.5	4.85	4.89	4.93	4.97	5.00	5.02	5.00
G145.0	5.01	5.05	5.10	5.13	5.16	5.19	5.17
G147.5	5.18	5.22	5.27	5.31	5.32	5.35	5.32
G150.0	5.35	5.38	5.39	5.45	5.47	5.49	5.47
G152.5	5.52	5.50	5.57	5.57	5.61	5.62	5.61
G155.0	5.64	5.68	5.69	5.71	5.73	5.75	5.74
G157.5	5.78	5.79	5.80	5.83	5.84	5.86	5.86
G160.0	5.90	5.90	5.94	5.93	5.95	5.96	5.97
G162.5	6.04	6.05	6.03	6.04	6.06	6.05	6.07
G165.0	6.12	6.12	6.12	6.11	6.15	6.14	6.15
G167.5	6.19	6.19	6.19	6.21	6.22	6.22	6.23
G170.0	6.25	6.26	6.27	6.28	6.29	6.28	6.28
G172.5	6.32	6.33	6.34	6.34	6.34	6.34	6.33
G175.0	6.39	6.38	6.38	6.37	6.38	6.38	6.36
G177.5	6.40	6.40	6.41	6.41	6.40	6.39	6.38
G180.0	6.39	6.39	6.39	6.39	6.39	6.39	6.39

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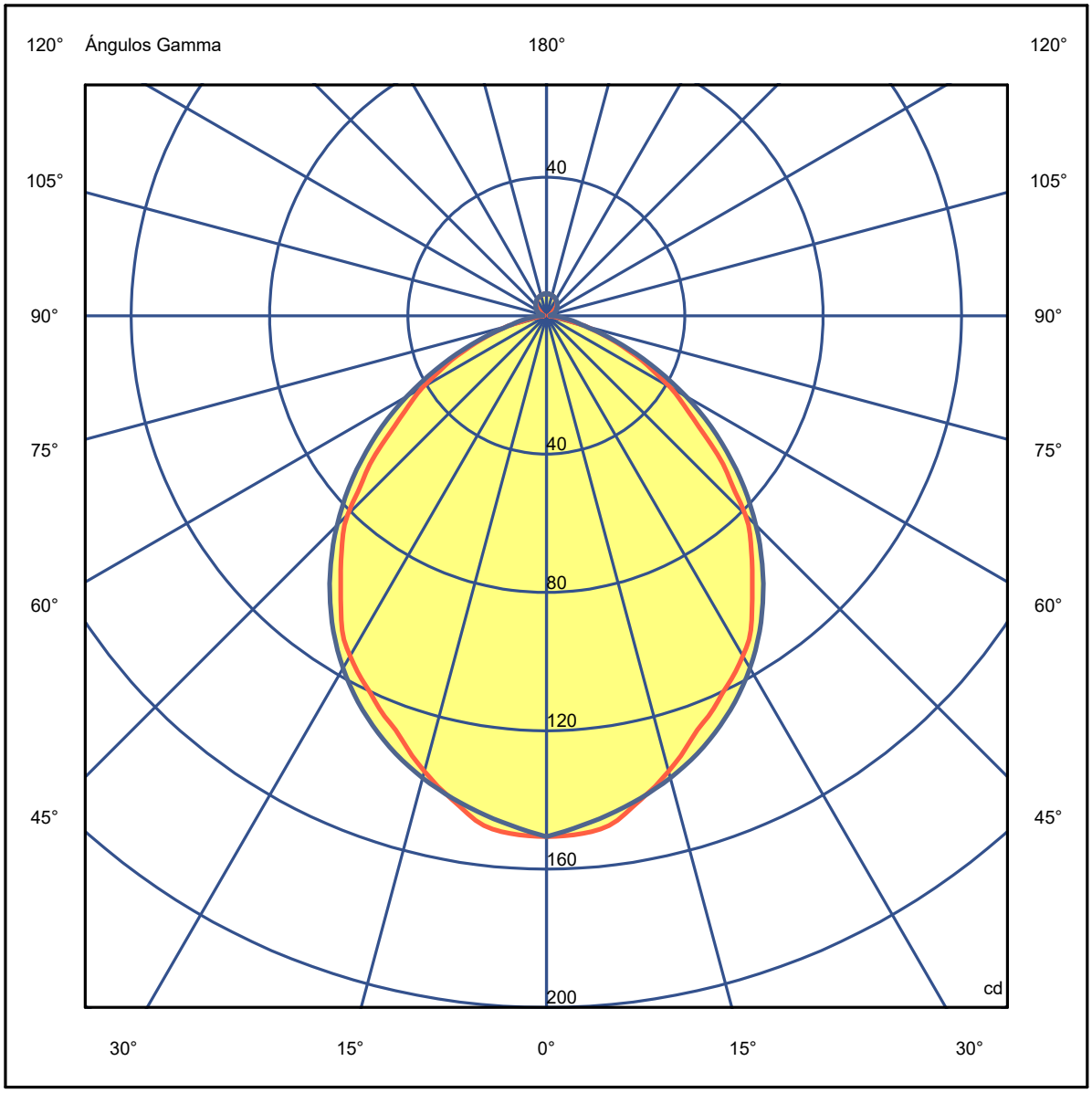
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Diam=170mm



Semiplanos C

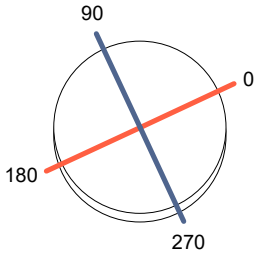




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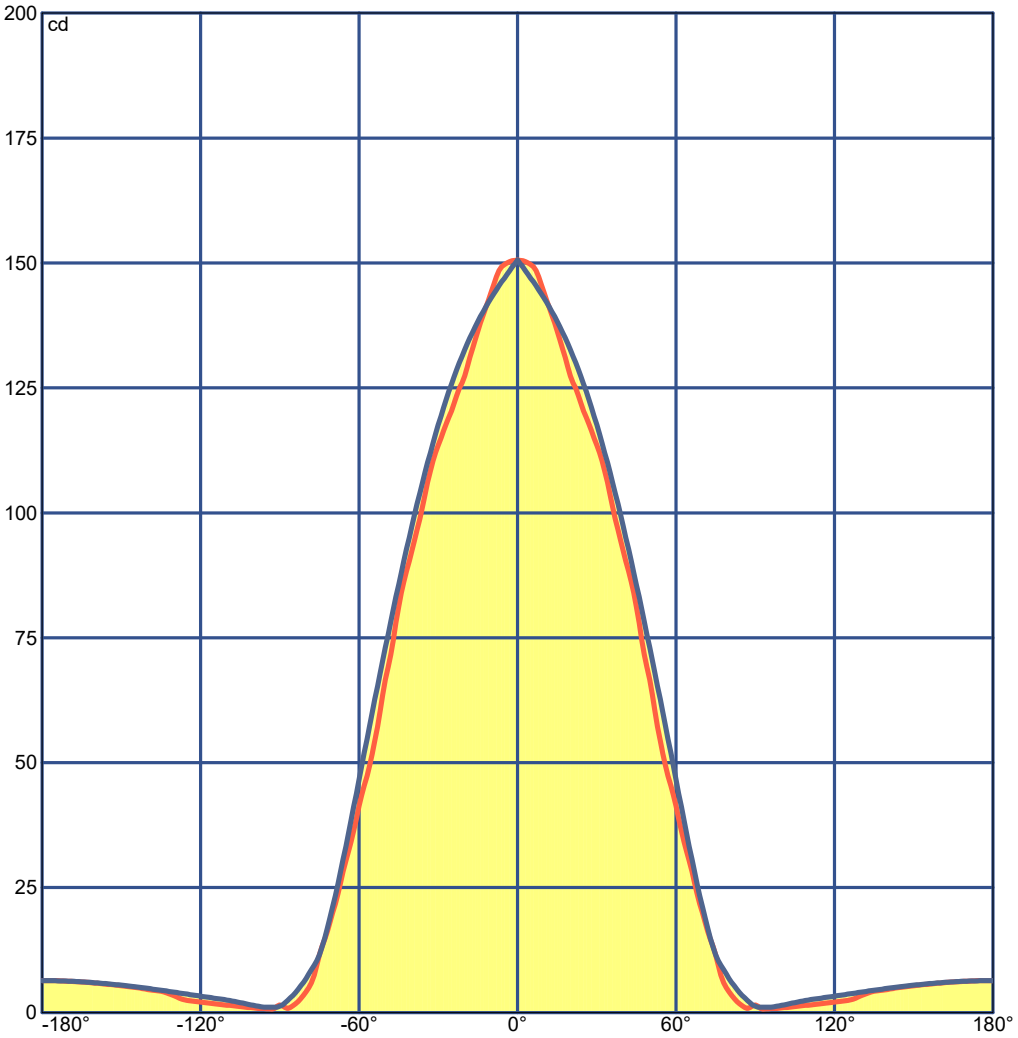
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Diam=170mm



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	17.5	18.7	17.9	19.0	19.4	17.9	19.0	18.2	19.3	19.7
x=2H y=3H	18.5	19.6	18.9	19.9	20.3	18.7	19.8	19.1	20.1	20.5
x=2H y=4H	18.8	19.8	19.2	20.1	20.5	18.9	19.9	19.4	20.3	20.7
x=2H y=6H	18.9	19.8	19.4	20.2	20.7	19.0	19.9	19.5	20.3	20.8
x=2H y=8H	19.0	19.8	19.4	20.3	20.7	19.1	19.9	19.5	20.4	20.8
x=2H y=12H	19.0	19.8	19.4	20.2	20.7	19.1	19.9	19.6	20.3	20.8
x=4H y=2H	18.1	19.0	18.5	19.4	19.8	18.3	19.3	18.7	19.7	20.1
x=4H y=3H	19.2	20.1	19.7	20.5	20.9	19.4	20.2	19.8	20.6	21.1
x=4H y=4H	19.7	20.4	20.2	20.8	21.3	19.6	20.4	20.1	20.8	21.3
x=4H y=6H	20.0	20.6	20.5	21.1	21.6	19.8	20.4	20.3	20.9	21.4
x=4H y=8H	20.1	20.7	20.6	21.2	21.7	19.9	20.4	20.4	20.9	21.5
x=4H y=12H	20.1	20.7	20.7	21.2	21.7	19.9	20.4	20.4	20.9	21.5
x=8H y=4H	19.8	20.4	20.3	20.9	21.4	19.8	20.4	20.3	20.8	21.4
x=8H y=6H	20.3	20.8	20.8	21.3	21.8	20.0	20.5	20.6	21.0	21.6
x=8H y=8H	20.5	20.9	21.1	21.4	22.0	20.1	20.5	20.7	21.1	21.7
x=8H y=12H	20.7	21.0	21.3	21.6	22.2	20.2	20.5	20.8	21.1	21.7
x=12H y=4H	20.0	20.5	20.5	21.0	21.5	20.1	20.6	20.7	21.2	21.7
x=12H y=6H	20.4	20.8	21.0	21.4	22.0	20.4	20.8	20.9	21.3	21.9
x=12H y=8H	20.7	21.0	21.2	21.6	22.2	20.5	20.8	21.1	21.4	22.0

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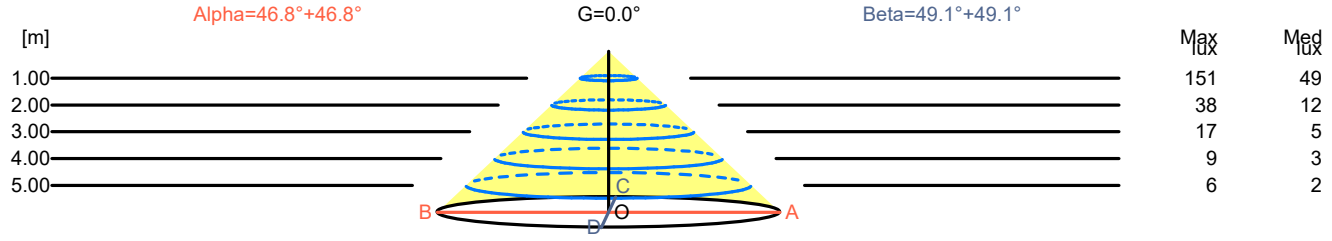
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Width at 50.00 % of Max Intensity

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	1.06	2.13	3.19	4.26	5.32	OC	1.16	2.31	3.47	4.62	5.78
OB	1.06	2.13	3.19	4.26	5.32	OD	1.16	2.31	3.47	4.62	5.78

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	150.57	149.68	136.33	120.39	103.61	81.29	51.75	30.40	11.52	1.38
OB	150.57	149.68	136.33	120.39	103.61	81.29	51.75	30.40	11.52	1.38
OC	150.57	146.95	138.30	125.76	108.07	85.61	60.02	33.22	11.52	3.46
OD	150.57	146.95	138.30	125.76	108.07	85.61	60.02	33.22	11.52	3.46



H[m]	D[m]	Max lux	Med lux	Alpha=46.8°+46.8° G=0.0
1.00	2.13	151	49	
2.00	4.26	38	12	
3.00	6.39	17	5	
4.00	8.52	9	3	
5.00	10.65	6	2	

H[m]	D[m]	Max lux	Med lux	Beta=49.1°+49.1° G=0.0
1.00	2.31	151	49	
2.00	4.62	38	12	
3.00	6.94	17	5	
4.00	9.25	9	3	
5.00	11.56	6	2	

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Flujo Total=366.02 Flujo Luminaria=366.02

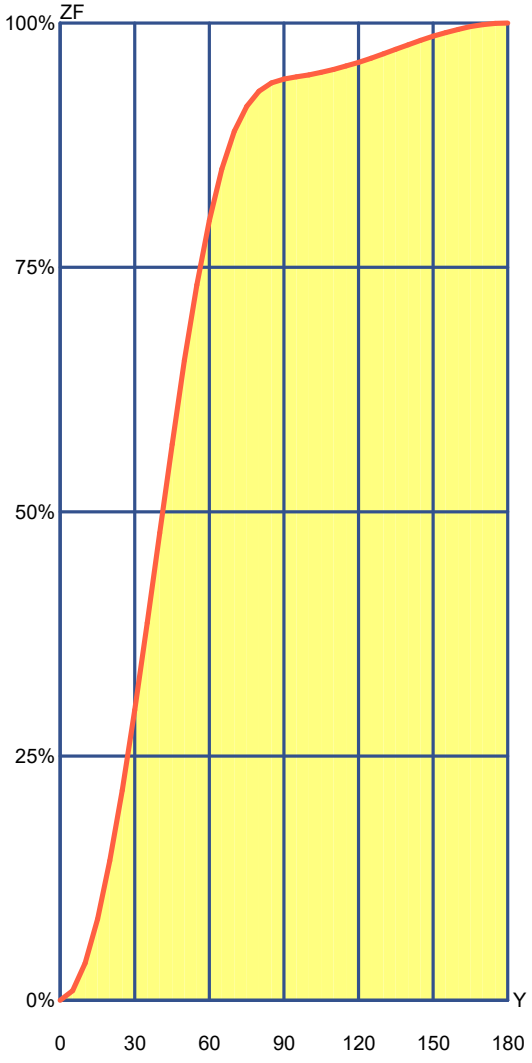
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.35	0.44	0.51	0.58	0.64	0.72	0.77	0.81	0.86	0.88	0.94	0.97
RC	4	4	4	4	4	4	4	4	4	4	4	4

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)	38	143	297	478	655	798	889	930	943	947	953	960	968	978	986	994	998	1000

Códigos de Flujo C.I.E.
53 85 97 94 100

C.I.E.	4	LOR	100.00000 %
D DIN 5040	A41	ULOR	5.73229 %
F UTE	0.94 D + 0.06 T	DLOR	94.26771 %
B NBN	BZ 4	UFF	5.73229 %
RN	5.73229 %	DFF	94.26771 %
BLF	1.0	FFR	6.08086 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.72	9.72	0.97 %	0.97 %
10°	28.35	38.07	2.83 %	3.81 %
15°	45.10	83.16	4.51 %	8.32 %
20°	59.69	142.85	5.97 %	14.29 %
25°	72.08	214.93	7.21 %	21.49 %
30°	82.23	297.17	8.22 %	29.72 %
35°	89.04	386.20	8.90 %	38.62 %
40°	91.88	478.09	9.19 %	47.81 %
45°	90.93	569.01	9.09 %	56.90 %
50°	85.81	654.83	8.58 %	65.48 %
55°	77.13	731.96	7.71 %	73.20 %
60°	65.98	797.93	6.60 %	79.79 %
65°	52.70	850.63	5.27 %	85.06 %
70°	38.75	889.38	3.87 %	88.94 %
75°	25.59	914.97	2.56 %	91.50 %
80°	15.30	930.27	1.53 %	93.03 %
85°	8.43	938.70	0.84 %	93.87 %
90°	3.98	942.68	0.40 %	94.27 %
95°	2.15	944.83	0.22 %	94.48 %
100°	2.09	946.92	0.21 %	94.69 %
105°	2.55	949.47	0.26 %	94.95 %
110°	3.05	952.52	0.31 %	95.25 %
115°	3.47	956.00	0.35 %	95.60 %
120°	3.84	959.84	0.38 %	95.98 %
125°	4.16	963.99	0.42 %	96.40 %
130°	4.42	968.42	0.44 %	96.84 %
135°	4.61	973.03	0.46 %	97.30 %
140°	4.64	977.67	0.46 %	97.77 %
145°	4.51	982.18	0.45 %	98.22 %
150°	4.25	986.43	0.42 %	98.64 %
155°	3.85	990.28	0.39 %	99.03 %
160°	3.34	993.62	0.33 %	99.36 %
165°	2.72	996.34	0.27 %	99.63 %
170°	2.01	998.35	0.20 %	99.83 %
175°	1.24	999.58	0.12 %	99.96 %
180°	0.42	1000.00	0.04 %	100.00 %

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Sources Flux	366.02 lm	Maximum value	150.57 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

