Luminaire
Code SUB258_996
Name DOME 180 GRUPO OPTICO VERSION 2
Measurem.
Code CL092A21F021G
Name DOME 180 GRUPO OPTICO VERSION 2

Luminaire Flux	7411.28 lm	Luminaire Power	82.73 W	Efficacy	89.58 lm/W	Efficiency	100.00%
Sources Flux	7411.28 lm	Maximum value	7930.36 cd	Position	C=15.00 G=2.50	CG	Double Symmetrical

Round Luminaire	Diam. 205 mm	Height	200 mm
Round Luminous Area	Diam. 155 mm	Height	0 mm
Horizontal Luminous Area	0.018869 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°	0.004565 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	28-09-2021	Maximum Gamma Angle	90
Measurement Distance	6.44	Measurement Flux	7411.28 lm
Operator	Asselum T2	Rated Voltage	230.04 V
Temperature	27.00 °C	Rated Current	0.38 A
Humidity	51.80 %	Photocell	Prc
Notes	RM21092401.2		

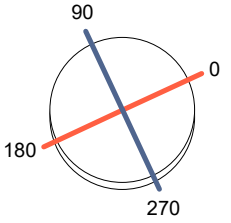
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	SPHWHAHDNF27YZW3DC	SAMSUNG LC033D3+	7411.28	82.73	1

C.I.E.	95 99 100 100 100	D DIN 5040	A60
F UTE	1.00 A	B NBN	BZ 1



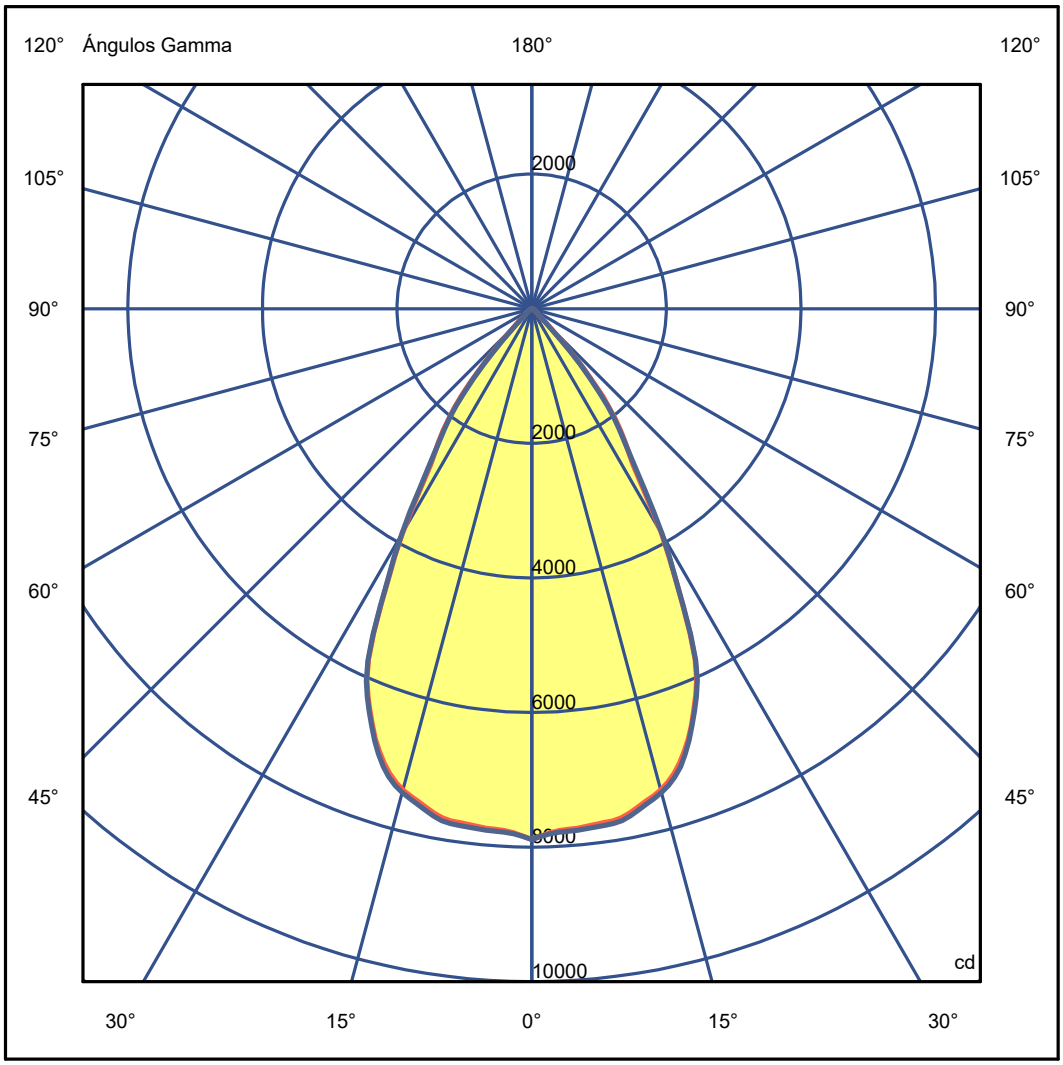
Diam=205mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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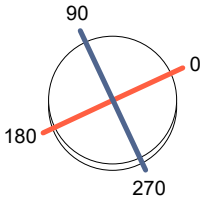
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	7884.01	7884.01	7884.01	7884.01	7884.01	7884.01	7884.01
G 2.5	7775.79	7930.36	7778.89	7923.35	7784.86	7921.03	7793.98
G 5.0	7746.80	7864.27	7768.95	7865.30	7771.93	7865.46	7777.84
G 7.5	7714.23	7827.66	7730.81	7836.29	7747.68	7847.93	7752.44
G 10.0	7681.09	7727.25	7692.98	7742.75	7720.79	7761.00	7721.46
G 12.5	7541.22	7634.22	7573.05	7641.97	7592.55	7672.34	7586.28
G 15.0	7402.28	7481.88	7396.38	7490.25	7427.24	7513.82	7439.73
G 17.5	7162.92	7238.02	7176.96	7252.98	7190.50	7273.02	7214.53
G 20.0	6796.24	6869.25	6790.30	6855.95	6801.27	6886.56	6825.26
G 22.5	6329.33	6391.51	6317.36	6379.09	6335.63	6407.94	6357.16
G 25.0	5740.72	5527.23	5728.08	5532.71	5759.63	5543.11	5764.79
G 27.5	4730.73	4769.08	4741.12	4763.41	4733.78	4789.58	4748.02
G 30.0	3848.69	3921.46	3807.09	3929.61	3871.11	3943.84	3876.28
G 32.5	2895.16	3229.36	2960.94	3224.67	2952.00	3223.24	2982.48
G 35.0	2411.08	2479.13	2426.66	2468.47	2447.17	2485.35	2391.28
G 37.5	1972.00	1943.28	1976.02	1971.96	1991.13	1963.56	1929.28
G 40.0	1430.54	1312.43	1384.00	1346.81	1414.87	1330.93	1341.47
G 42.5	771.47	832.22	761.32	840.14	722.58	833.63	735.56
G 45.0	334.30	450.95	284.94	426.81	288.29	424.02	298.01
G 47.5	152.34	196.18	149.86	183.30	151.53	188.87	155.59
G 50.0	117.29	121.94	114.14	117.06	117.95	120.19	118.35
G 52.5	92.20	95.25	88.30	94.53	92.04	96.60	87.34
G 55.0	74.97	75.25	71.60	76.24	75.39	76.63	70.16
G 57.5	59.04	62.91	59.16	63.21	59.12	63.47	59.20
G 60.0	47.88	50.63	48.46	48.83	46.99	48.95	46.62
G 62.5	37.07	41.06	38.24	40.84	38.95	39.33	37.83
G 65.0	31.36	32.95	32.49	32.86	32.00	32.32	32.11
G 67.5	26.92	25.70	27.56	26.74	27.28	26.64	26.41
G 70.0	20.48	21.17	20.31	21.74	20.69	21.32	19.32
G 72.5	14.62	16.30	14.39	16.69	15.25	15.83	14.04
G 75.0	11.99	11.50	10.95	11.38	11.72	11.16	10.76
G 77.5	8.23	8.11	7.96	7.75	8.76	7.95	8.13
G 80.0	4.83	5.07	4.68	5.16	5.10	5.35	5.45
G 82.5	2.73	3.13	2.62	3.35	2.94	3.34	2.67
G 85.0	1.60	1.81	1.63	2.01	1.98	1.89	1.68
G 87.5	1.08	1.03	1.03	1.14	1.15	1.02	1.05
G 90.0	0.77	0.73	0.78	0.80	0.80	0.73	0.68

Luminaire
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Measurem.
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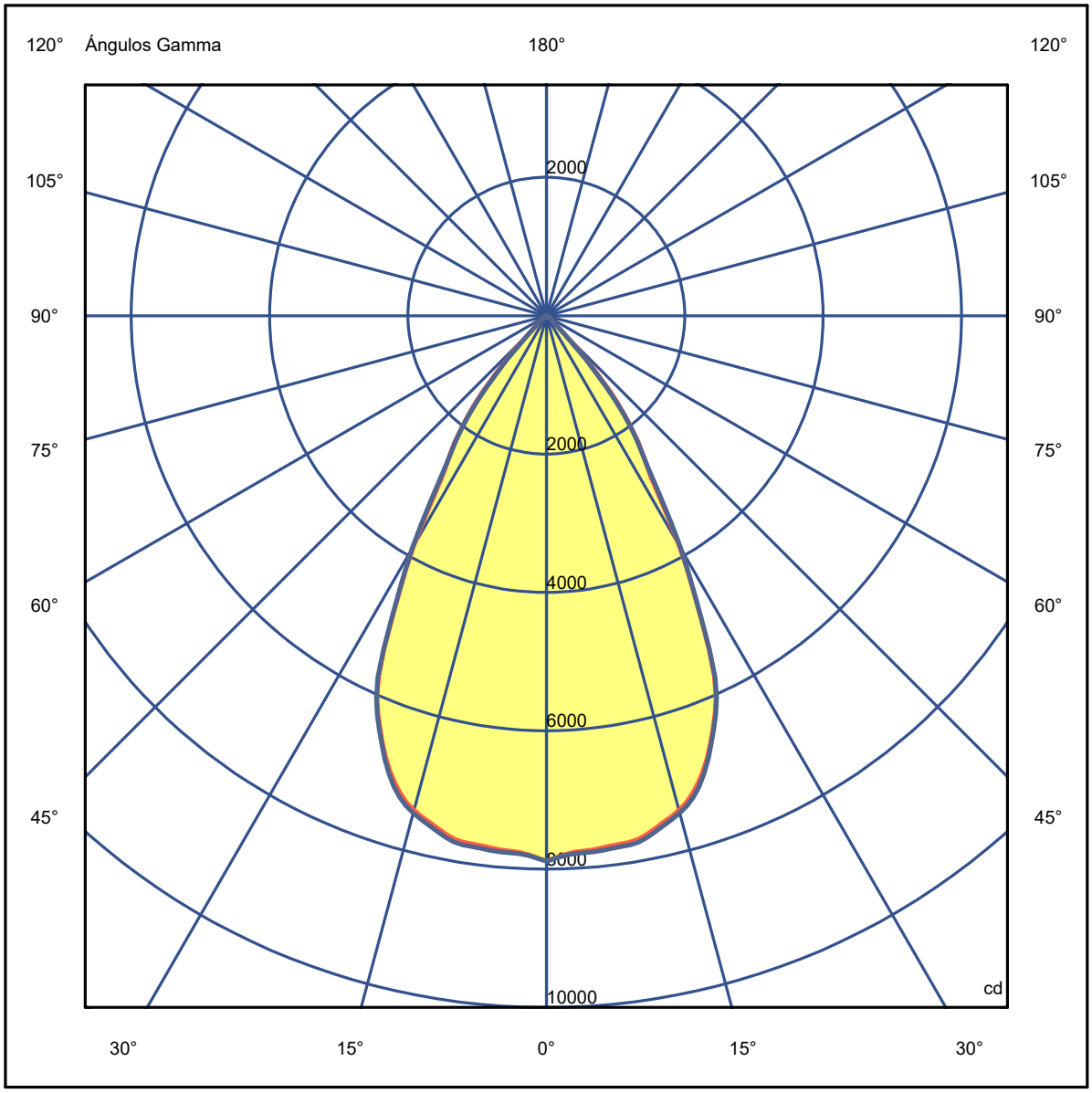
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Diam=205mm



Semiplanos C

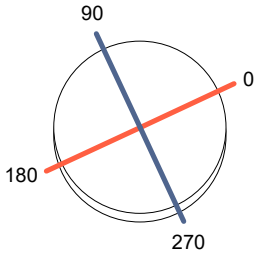
180.0 0.0
270.0 90.0



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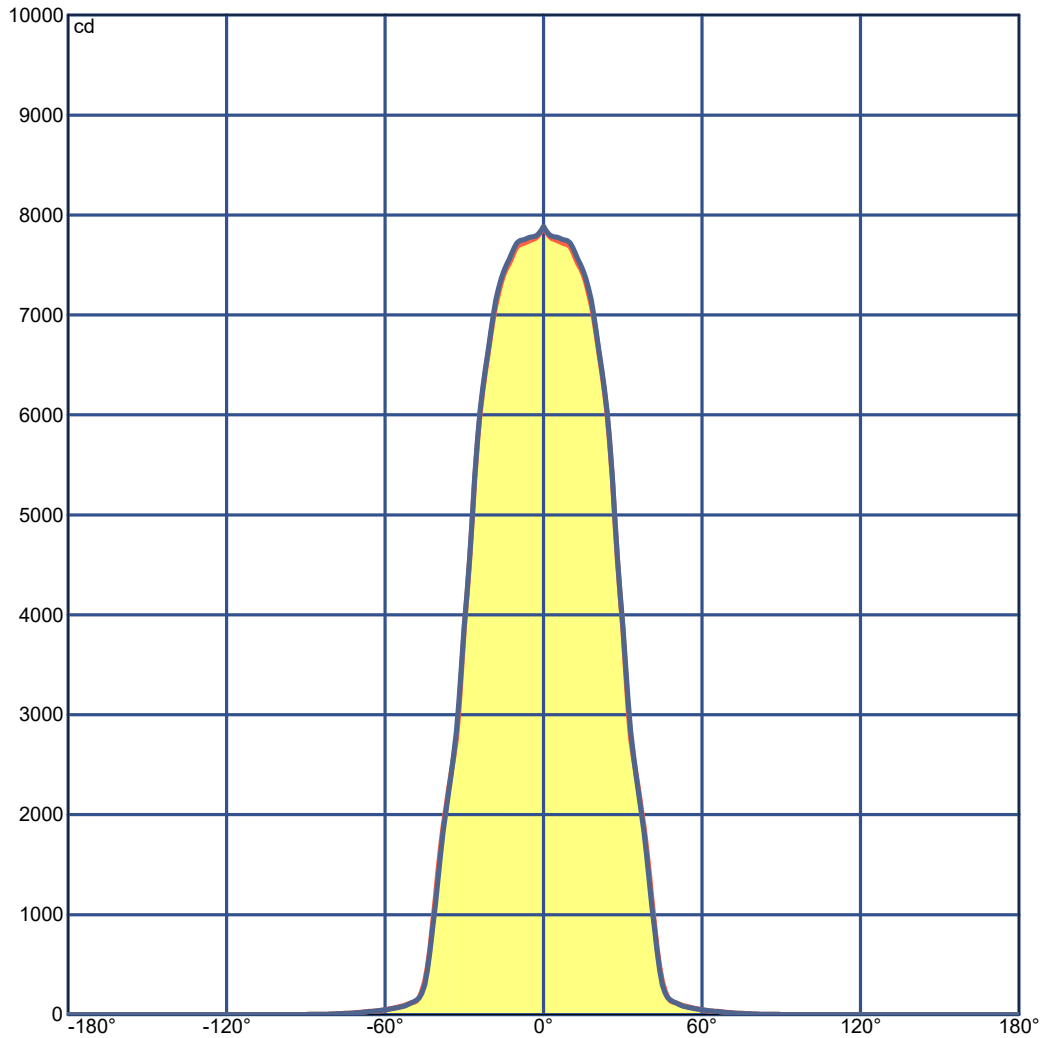
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Semiplanos C





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Sources Flux	7411.28 lm	Maximum value	7930.36 cd	Position	C=15.00 G=2.50	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	21.2	21.9	21.4	22.1	22.3	21.2	21.9	21.4	22.1	22.3
x=2H y=3H	21.1	21.7	21.3	21.9	22.2	21.1	21.7	21.4	21.9	22.2
x=2H y=4H	21.0	21.6	21.3	21.8	22.1	21.0	21.6	21.3	21.8	22.1
x=2H y=6H	20.9	21.5	21.2	21.7	22.0	20.9	21.5	21.2	21.7	22.0
x=2H y=8H	20.9	21.4	21.2	21.7	22.0	20.9	21.4	21.2	21.7	22.0
x=2H y=12H	20.9	21.4	21.2	21.7	22.0	20.9	21.4	21.2	21.7	22.0
x=4H y=2H	21.0	21.6	21.3	21.8	22.1	21.0	21.6	21.3	21.8	22.1
x=4H y=3H	20.9	21.4	21.2	21.7	22.0	20.9	21.4	21.2	21.7	22.0
x=4H y=4H	20.8	21.2	21.2	21.6	21.9	20.8	21.2	21.2	21.6	21.9
x=4H y=6H	20.7	21.1	21.1	21.5	21.8	20.7	21.1	21.1	21.5	21.9
x=4H y=8H	20.7	21.0	21.1	21.4	21.8	20.7	21.0	21.1	21.4	21.8
x=4H y=12H	20.7	20.9	21.1	21.3	21.8	20.7	20.9	21.1	21.3	21.8
x=8H y=4H	20.7	21.0	21.1	21.4	21.8	20.7	21.0	21.1	21.4	21.8
x=8H y=6H	20.6	20.9	21.1	21.3	21.7	20.6	20.9	21.1	21.3	21.7
x=8H y=8H	20.6	20.8	21.0	21.2	21.7	20.6	20.8	21.1	21.2	21.7
x=8H y=12H	20.5	20.7	21.0	21.2	21.6	20.5	20.7	21.0	21.2	21.7
x=12H y=4H	20.7	20.9	21.1	21.3	21.8	20.7	20.9	21.1	21.3	21.8
x=12H y=6H	20.6	20.8	21.1	21.2	21.7	20.6	20.8	21.1	21.2	21.7
x=12H y=8H	20.5	20.7	21.0	21.2	21.7	20.5	20.7	21.0	21.2	21.7

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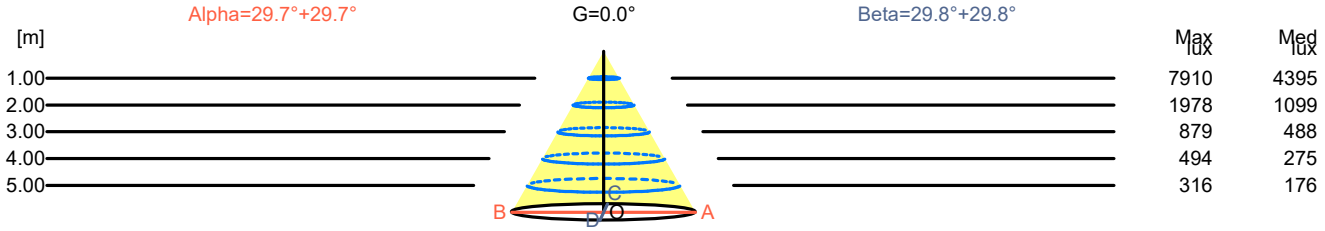
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Width at 50.00 % of Max Intensity

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	0.57	1.14	1.71	2.28	2.86	OC	0.57	1.15	1.72	2.29	2.86
OB	0.57	1.14	1.71	2.28	2.86	OD	0.57	1.15	1.72	2.29	2.86

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	7884.01	7746.80	7402.28	5740.72	2411.08	334.30	74.97	31.36	11.99	1.60
OB	7884.01	7746.80	7402.28	5740.72	2411.08	334.30	74.97	31.36	11.99	1.60
OC	7884.01	7777.84	7439.73	5764.79	2391.28	298.01	70.16	32.11	10.76	1.68
OD	7884.01	7777.84	7439.73	5764.79	2391.28	298.01	70.16	32.11	10.76	1.68



H[m]	D[m]	Max lux	Med lux	Alpha=29.7°+29.7° G=0.0
1.00	1.14	7910	4395	
2.00	2.28	1978	1099	
3.00	3.43	879	488	
4.00	4.57	494	275	
5.00	5.71	316	176	

H[m]	D[m]	Max lux	Med lux	Beta=29.8°+29.8° G=0.0
1.00	1.15	7910	4395	
2.00	2.29	1978	1099	
3.00	3.44	879	488	
4.00	4.58	494	275	
5.00	5.73	316	176	

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Flujo Total=7411.28 Flujo Luminaria=7411.28

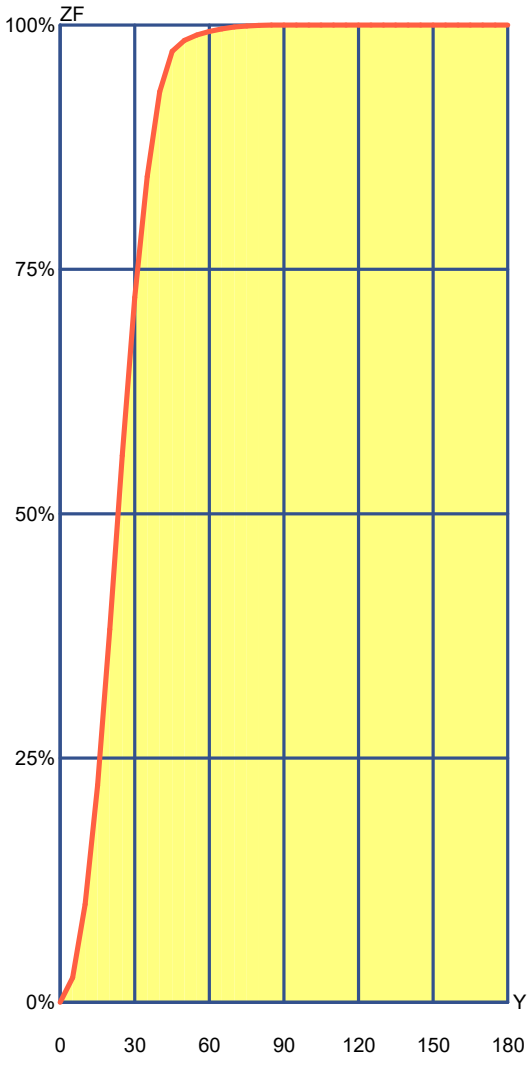
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.70	0.75	0.80	0.84	0.86	0.91	0.94	0.96	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	100	381	721	932	984	994	998	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
95 99 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	25.30	25.30	2.53 %	2.53 %
10°	75.06	100.36	7.51 %	10.04 %
15°	121.58	221.94	12.16 %	22.19 %
20°	159.51	381.44	15.95 %	38.14 %
25°	177.87	559.32	17.79 %	55.93 %
30°	161.95	721.26	16.19 %	72.13 %
35°	123.86	845.13	12.39 %	84.51 %
40°	86.84	931.97	8.68 %	93.20 %
45°	41.04	973.00	4.10 %	97.30 %
50°	11.17	984.18	1.12 %	98.42 %
55°	5.54	989.72	0.55 %	98.97 %
60°	3.82	993.54	0.38 %	99.35 %
65°	2.61	996.15	0.26 %	99.62 %
70°	1.82	997.97	0.18 %	99.80 %
75°	1.11	999.09	0.11 %	99.91 %
80°	0.59	999.68	0.06 %	99.97 %
85°	0.24	999.91	0.02 %	99.99 %
90°	0.09	1000.00	0.01 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

