Luminaire
Code SUB258_904
Name DOME 90 GRUPO OPTICO VERSION 2
Measurem.
Code CL092A21F020G
Name DOME 90 GRUPO OPTICO VERSION 2

Luminaire Flux	1973.83 lm	Luminaire Power	27.00 W	Efficacy	73.10 lm/W	Efficiency	100.00%
Sources Flux	1973.83 lm	Maximum value	2270.74 cd	Position	C=75.00 G=2.50	CG	Double Symmetrical

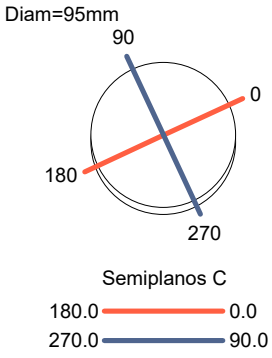
Round Luminaire	Diam. 95 mm	Height	145 mm
Round Luminous Area	Diam. 70 mm	Height	0 mm
Horizontal Luminous Area	0.003848 m2	Emitting area on Plane 180°	0.000000 m2
Emitting area on Plane 0°	0.000000 m2	Emitting area on Plane 270°	0.000000 m2
Emitting area on Plane 90°	0.000000 m2	Glare area at 76°	0.000931 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	28-09-2021	Maximum Gamma Angle	90
Measurement Distance	6.44	Measurement Flux	1973.83 lm
Operator	Asselum T2	Rated Voltage	230.14 V
Temperature	26.30 °C	Rated Current	0.12 A
Humidity	52.10 %	Photocell	Prc
Notes	RM21092401.1		

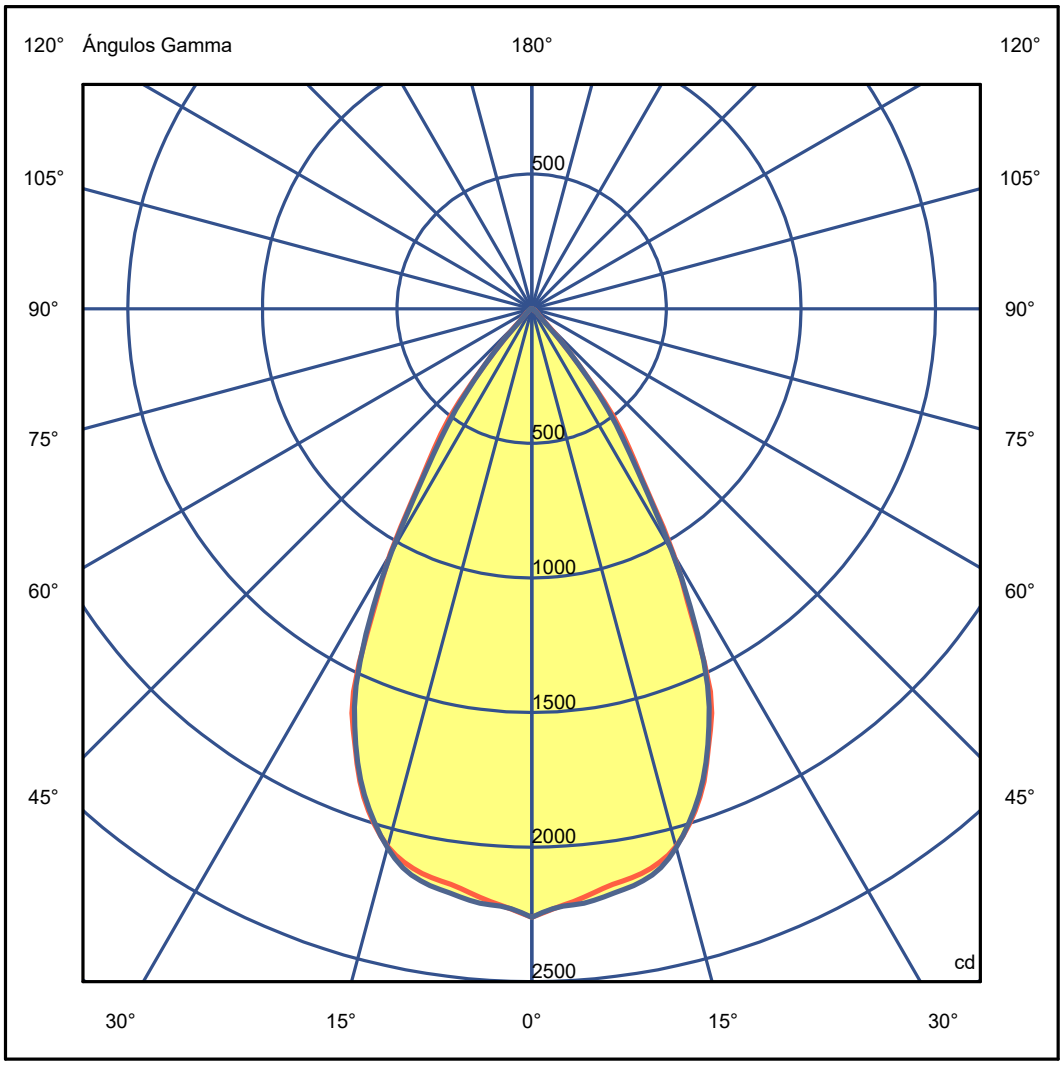
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	SPHWHAHDNF27YZW3DC	SAMSUNG LC033D3+	1973.83	27.00	1

C.I.E.	96 99 100 100 100	D DIN 5040	A60
F UTE	1.00 A	B NBN	BZ 1







ULOR 0.00 %
DLOR100.00 %
RN 0.00 %

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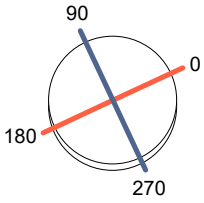
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	2260.12	2260.12	2260.12	2260.12	2260.12	2260.12	2260.12
G 2.5	2224.25	2265.30	2219.02	2266.20	2222.68	2270.74	2225.10
G 5.0	2195.27	2230.06	2198.70	2238.44	2210.56	2245.09	2216.67
G 7.5	2163.70	2209.19	2173.57	2225.92	2191.49	2230.56	2195.42
G 10.0	2146.04	2180.05	2153.79	2198.82	2177.75	2202.11	2175.28
G 12.5	2117.59	2149.35	2113.15	2166.57	2147.44	2167.64	2141.00
G 15.0	2067.80	2084.21	2064.02	2089.88	2081.24	2088.87	2071.86
G 17.5	1981.99	1997.64	1974.73	1992.86	1977.63	1987.99	1974.81
G 20.0	1868.61	1888.03	1865.89	1879.31	1861.30	1869.26	1859.61
G 22.5	1724.62	1748.24	1727.60	1738.61	1718.29	1729.51	1714.59
G 25.0	1568.63	1569.39	1559.96	1559.32	1552.50	1557.07	1544.37
G 27.5	1284.91	1332.47	1307.73	1303.70	1310.68	1350.22	1304.79
G 30.0	1052.79	1035.67	1046.88	1055.07	1034.57	1030.96	1041.35
G 32.5	794.91	806.20	781.88	798.15	777.43	816.42	773.66
G 35.0	630.63	620.01	601.17	611.36	603.34	623.69	593.42
G 37.5	475.25	453.95	427.95	450.95	441.12	448.54	435.57
G 40.0	275.50	287.71	271.81	279.86	264.68	265.05	270.46
G 42.5	144.63	172.00	133.14	166.68	119.61	159.67	128.07
G 45.0	62.99	92.75	55.02	87.18	51.26	82.41	50.49
G 47.5	38.58	44.96	38.57	43.08	37.88	41.70	36.77
G 50.0	30.28	31.45	28.55	30.49	27.91	30.65	27.93
G 52.5	22.66	23.71	21.99	23.30	21.92	23.26	22.30
G 55.0	18.32	18.80	18.90	19.06	17.92	18.41	17.51
G 57.5	15.05	15.41	16.13	15.54	14.87	15.38	14.61
G 60.0	12.36	12.78	12.60	13.30	12.36	12.89	12.32
G 62.5	9.81	10.50	10.25	10.54	10.19	10.59	10.24
G 65.0	8.15	8.59	7.90	8.66	8.07	8.74	8.06
G 67.5	6.66	6.89	6.70	6.88	6.83	6.95	6.93
G 70.0	5.27	5.71	5.46	5.88	5.55	5.79	5.36
G 72.5	4.56	4.65	4.64	4.70	4.64	4.75	4.62
G 75.0	3.82	3.78	3.97	3.84	3.94	3.87	3.94
G 77.5	2.86	3.10	2.99	3.18	3.02	3.16	2.98
G 80.0	2.16	2.36	2.12	2.41	2.23	2.44	2.21
G 82.5	1.64	1.68	1.65	1.76	1.67	1.68	1.73
G 85.0	1.12	1.12	1.22	1.18	1.20	1.12	1.13
G 87.5	0.52	0.72	0.58	0.71	0.51	0.69	0.52
G 90.0	0.37	0.40	0.39	0.40	0.40	0.40	0.40

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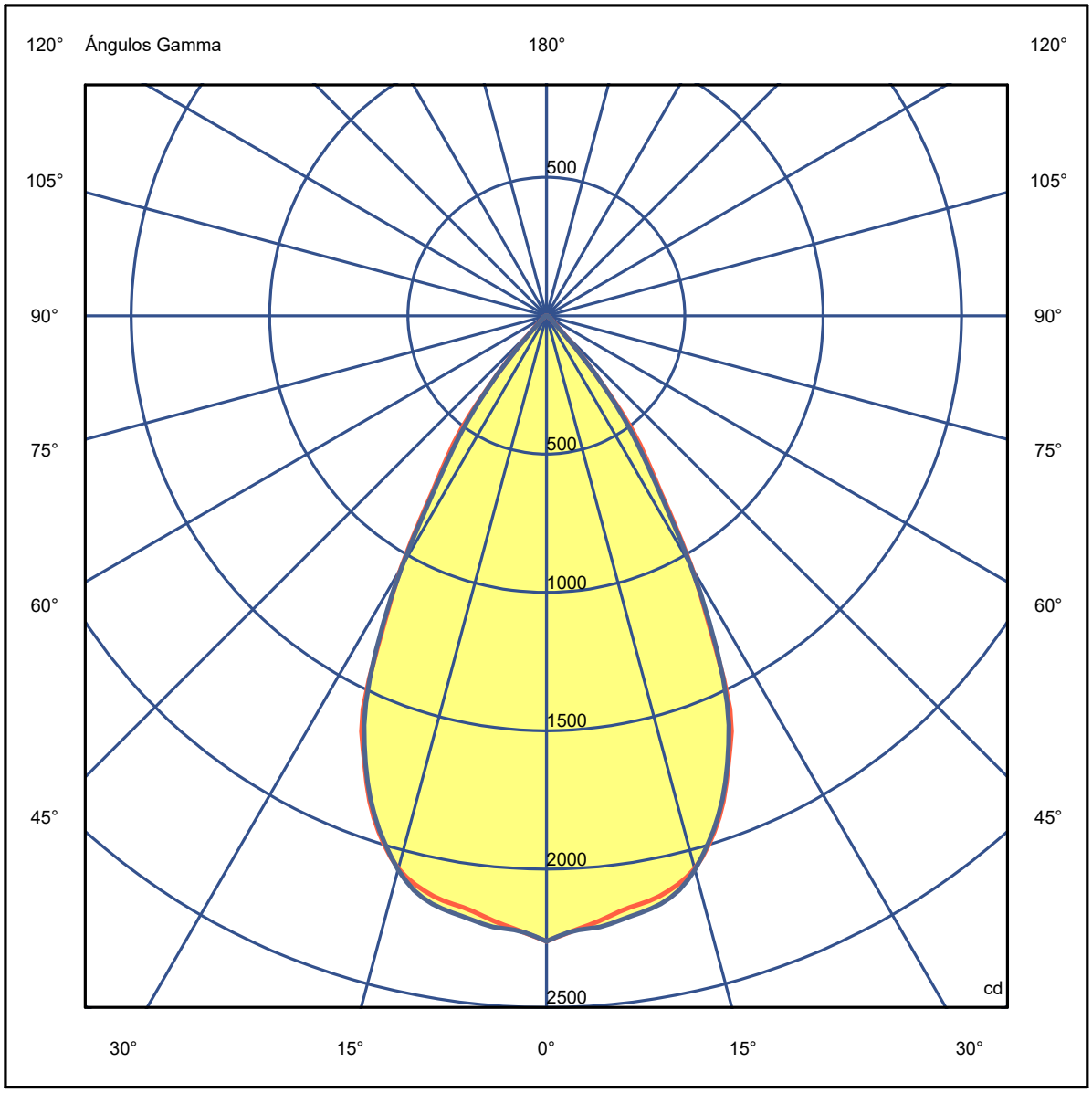
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Sources Flux	1973.83 lm	Maximum value	2270.74 cd	Position	C=75.00 G=2.50	CG	Double Symmetrical

Diam=95mm



Semiplanos C

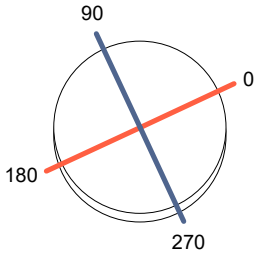
180.0 0.0
270.0 90.0



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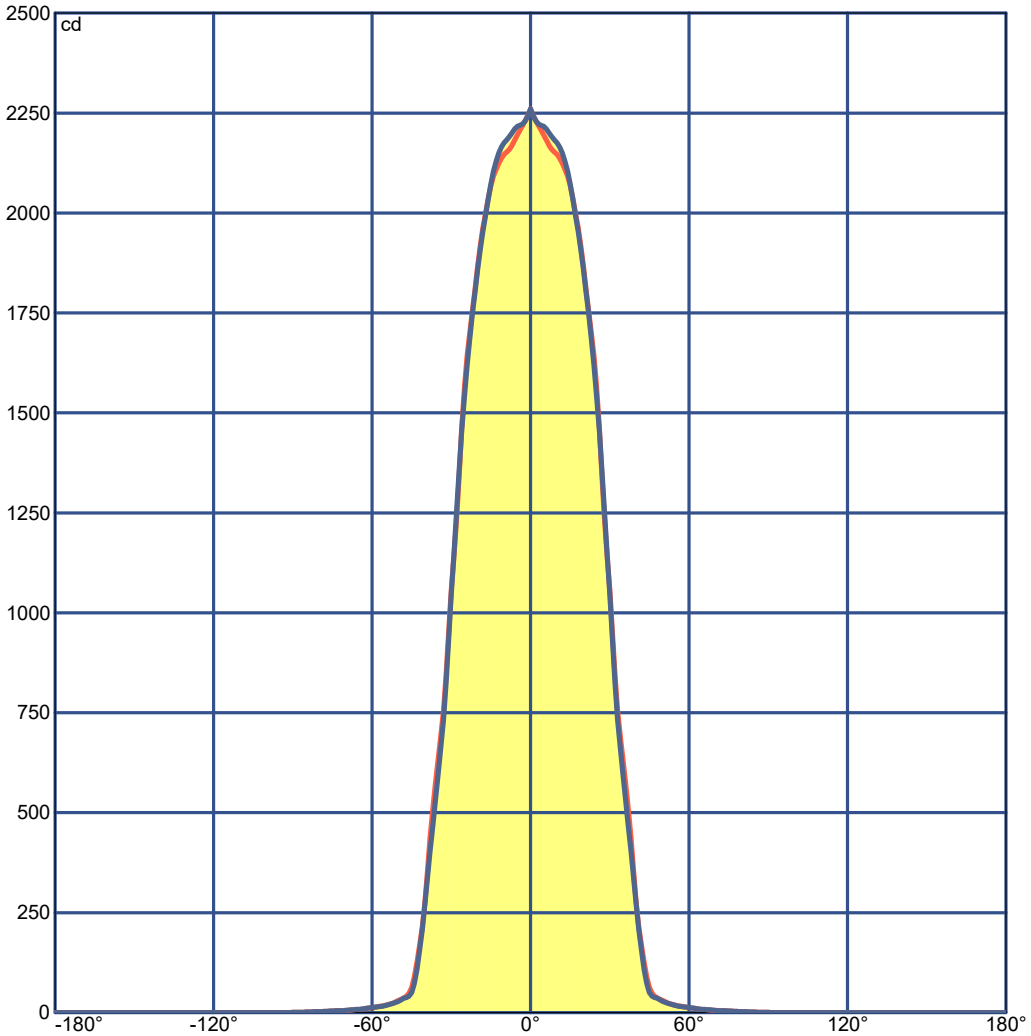
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Semiplanos C





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Sources Flux	1973.83 lm	Maximum value	2270.74 cd	Position	C=75.00 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	21.3	22.0	21.5	22.2	22.3	21.3	22.0	21.5	22.2	22.3
x=2H y=3H	21.2	21.8	21.4	22.0	22.2	21.2	21.8	21.4	22.0	22.2
x=2H y=4H	21.1	21.7	21.4	22.0	22.2	21.1	21.7	21.4	22.0	22.2
x=2H y=6H	21.1	21.6	21.4	21.9	22.2	21.1	21.6	21.4	21.9	22.2
x=2H y=8H	21.0	21.5	21.4	21.8	22.1	21.0	21.5	21.4	21.8	22.1
x=2H y=12H	21.0	21.5	21.4	21.8	22.1	21.0	21.5	21.4	21.8	22.1
x=4H y=2H	21.1	21.7	21.4	21.9	22.2	21.1	21.7	21.4	21.9	22.2
x=4H y=3H	21.0	21.5	21.3	21.8	22.1	21.0	21.5	21.3	21.8	22.1
x=4H y=4H	21.0	21.4	21.3	21.7	22.0	20.9	21.4	21.3	21.7	22.0
x=4H y=6H	20.9	21.2	21.3	21.6	22.0	20.9	21.2	21.3	21.6	22.0
x=4H y=8H	20.9	21.2	21.3	21.5	22.0	20.9	21.2	21.3	21.5	22.0
x=4H y=12H	20.8	21.1	21.3	21.5	21.9	20.8	21.1	21.3	21.5	21.9
x=8H y=4H	20.9	21.1	21.3	21.5	21.9	20.8	21.1	21.3	21.5	21.9
x=8H y=6H	20.8	21.0	21.2	21.4	21.9	20.8	21.0	21.2	21.4	21.9
x=8H y=8H	20.8	21.0	21.2	21.4	21.9	20.8	21.0	21.2	21.4	21.9
x=8H y=12H	20.7	20.9	21.2	21.4	21.8	20.7	20.9	21.2	21.4	21.8
x=12H y=4H	20.8	21.1	21.3	21.5	21.9	20.8	21.1	21.3	21.5	21.9
x=12H y=6H	20.8	21.0	21.2	21.4	21.9	20.8	21.0	21.2	21.4	21.9
x=12H y=8H	20.7	20.9	21.2	21.4	21.9	20.7	20.9	21.2	21.4	21.9

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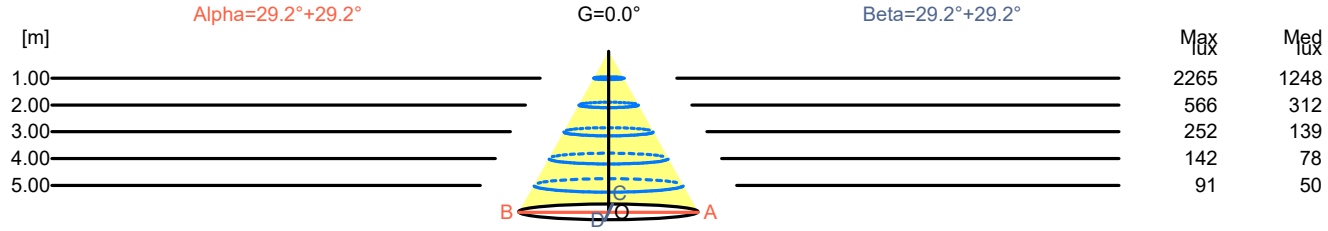
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Width at 50.00 % of Max Intensity

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	0.56	1.12	1.67	2.23	2.79	OC	0.56	1.12	1.68	2.23	2.79
OB	0.56	1.12	1.67	2.23	2.79	OD	0.56	1.12	1.68	2.23	2.79

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	2260.12	2195.27	2067.80	1568.63	630.63	62.99	18.32	8.15	3.82	1.12
OB	2260.12	2195.27	2067.80	1568.63	630.63	62.99	18.32	8.15	3.82	1.12
OC	2260.12	2216.67	2071.86	1544.37	593.42	50.49	17.51	8.06	3.94	1.13
OD	2260.12	2216.67	2071.86	1544.37	593.42	50.49	17.51	8.06	3.94	1.13



H[m]	D[m]	Max lux	Med lux	Alpha=29.2°+29.2° G=0.0
1.00	1.12	2265	1248	
2.00	2.23	566	312	
3.00	3.35	252	139	
4.00	4.46	142	78	
5.00	5.58	91	50	

H[m]	D[m]	Max lux	Med lux	Beta=29.2°+29.2° G=0.0
1.00	1.12	2265	1248	
2.00	2.23	566	312	
3.00	3.35	252	139	
4.00	4.47	142	78	
5.00	5.58	91	50	

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Flujo Total=1973.83 Flujo Luminaria=1973.83

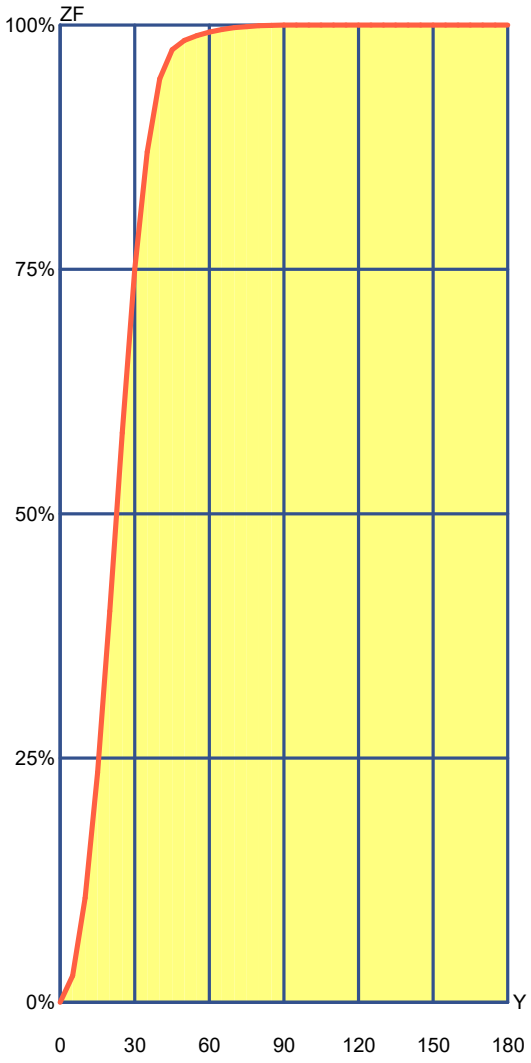
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.71	0.76	0.80	0.84	0.87	0.91	0.94	0.97	0.98	0.99	1.01	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	107	400	750	945	984	993	997	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
96 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°	27.11	27.11	2.71 %	2.71 %
10°	79.71	106.82	7.97 %	10.68 %
15°	128.32	235.15	12.83 %	23.51 %
20°	165.06	400.21	16.51 %	40.02 %
25°	182.64	582.85	18.26 %	58.28 %
30°	167.09	749.94	16.71 %	74.99 %
35°	120.38	870.32	12.04 %	87.03 %
40°	74.75	945.07	7.47 %	94.51 %
45°	29.81	974.88	2.98 %	97.49 %
50°	9.27	984.14	0.93 %	98.41 %
55°	5.15	989.30	0.52 %	98.93 %
60°	3.62	992.92	0.36 %	99.29 %
65°	2.57	995.49	0.26 %	99.55 %
70°	1.77	997.26	0.18 %	99.73 %
75°	1.25	998.50	0.12 %	99.85 %
80°	0.83	999.34	0.08 %	99.93 %
85°	0.47	999.81	0.05 %	99.98 %
90°	0.19	1000.00	0.02 %	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

