

Luminaire

Code 0537XX/2X

Name BIG LED

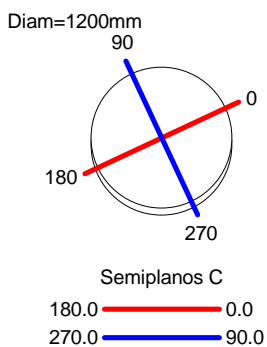
Measur.

Code CL252A18F002G.E4

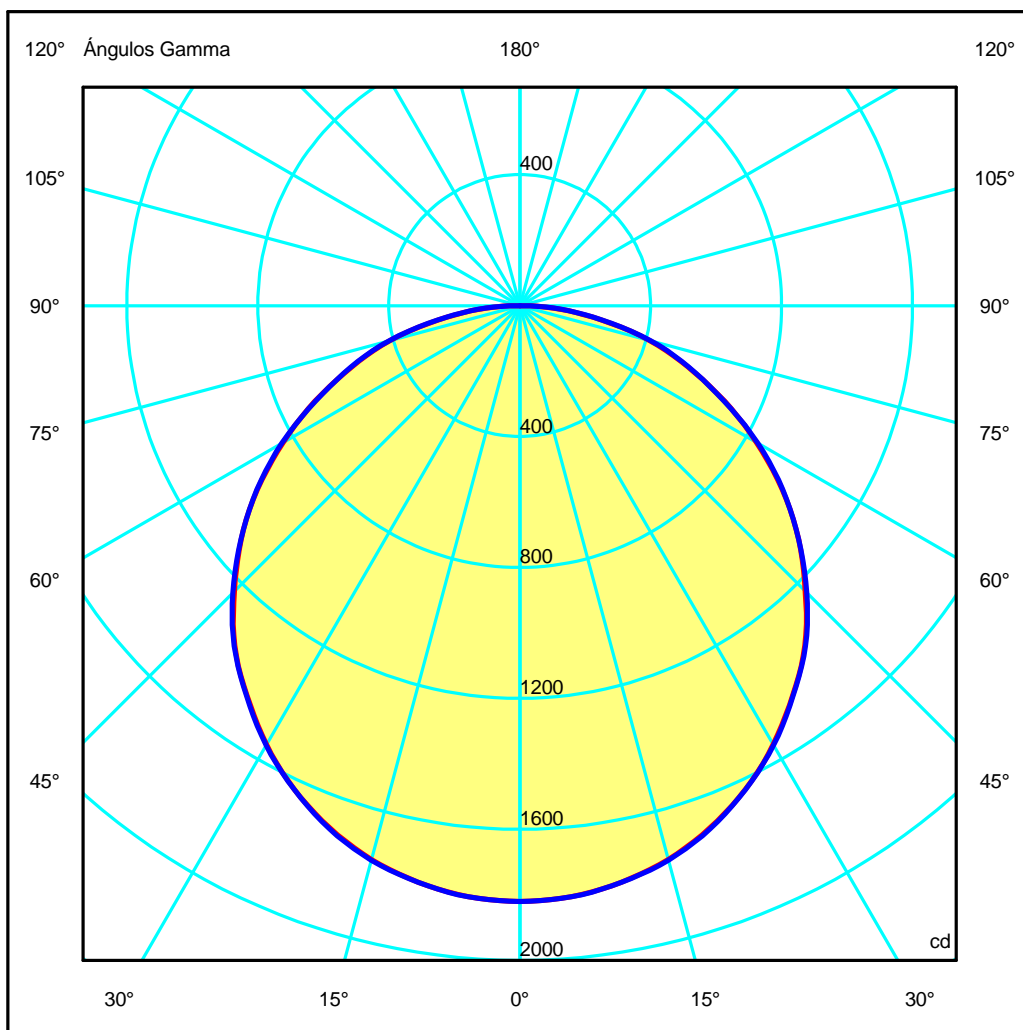
Name 3000K CRI90

Luminaire Flux	5409.85 lm	Luminaire Power	80.53 W	Efficacy	67.18 lm/W	Efficiency	100.00%
Sources Flux	5409.85 lm	Maximum value	1820.20 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	
Round Luminaire		Diam.	1200 mm	Height	158 mm		
Round Luminous Area		Diam.	1184 mm	Height	0 mm		
Horizontal Luminous Area		1.101015 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°		0.266360 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		07-05-2018		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		5409.85 lm	
Operator		Asselum T2		Rated Voltage		230.11 V	
Temperature		25.00 °C		Rated Current		0.36 A	
Humidity		49.10 %		Photocell		Prc	
Notes		RM18042404					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
NICHIA NF2L757GRT-sm303+OPTICA		4x 5750079		4x LED QUADRANT 18,9W 500MA		5409.85	80.53	1
C.I.E.	45 77 95 100 100			D DIN 5040	A30			
F UTE	1.00 E			B NBN	BZ 5			



ULOR 0.00 %
DLOR 100.00 %
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	1820	1820	1820	1820	1820	1820	1820
G 2.5	1818	1817	1817	1817	1817	1817	1818
G 5.0	1812	1811	1812	1812	1812	1812	1812
G 7.5	1802	1801	1802	1803	1802	1803	1802
G 10.0	1788	1788	1788	1789	1788	1789	1789
G 12.5	1771	1770	1772	1771	1771	1772	1773
G 15.0	1751	1750	1753	1750	1751	1752	1753
G 17.5	1726	1726	1728	1726	1726	1727	1729
G 20.0	1698	1699	1699	1699	1696	1699	1700
G 22.5	1666	1667	1666	1666	1665	1667	1667
G 25.0	1630	1631	1631	1630	1631	1631	1631
G 27.5	1591	1591	1592	1592	1592	1592	1592
G 30.0	1548	1549	1550	1550	1548	1549	1550
G 32.5	1501	1502	1502	1503	1501	1503	1504
G 35.0	1453	1452	1454	1453	1453	1454	1455
G 37.5	1406	1401	1407	1400	1406	1403	1408
G 40.0	1355	1349	1357	1347	1355	1349	1357
G 42.5	1296	1296	1297	1294	1298	1295	1301
G 45.0	1233	1239	1235	1239	1237	1239	1239
G 47.5	1172	1178	1175	1178	1176	1177	1177
G 50.0	1112	1113	1114	1112	1113	1113	1113
G 52.5	1047	1047	1049	1046	1047	1046	1047
G 55.0	978	978	980	977	979	977	980
G 57.5	906	907	908	907	910	908	911
G 60.0	834	835	835	835	837	837	839
G 62.5	762	762	760	763	760	764	763
G 65.0	691	691	687	692	683	691	688
G 67.5	617	621	619	622	614	621	617
G 70.0	545	551	552	553	549	550	550
G 72.5	479	480	483	481	484	476	484
G 75.0	409	407	410	408	413	402	413
G 77.5	331	333	334	333	335	332	334
G 80.0	253	259	259	260	258	263	257
G 82.5	185	189	190	190	190	195	190
G 85.0	125	124	126	125	128	129	129
G 87.5	65	63	65	65	68	67	69
G 90.0	6	6	7	7	7	7	8

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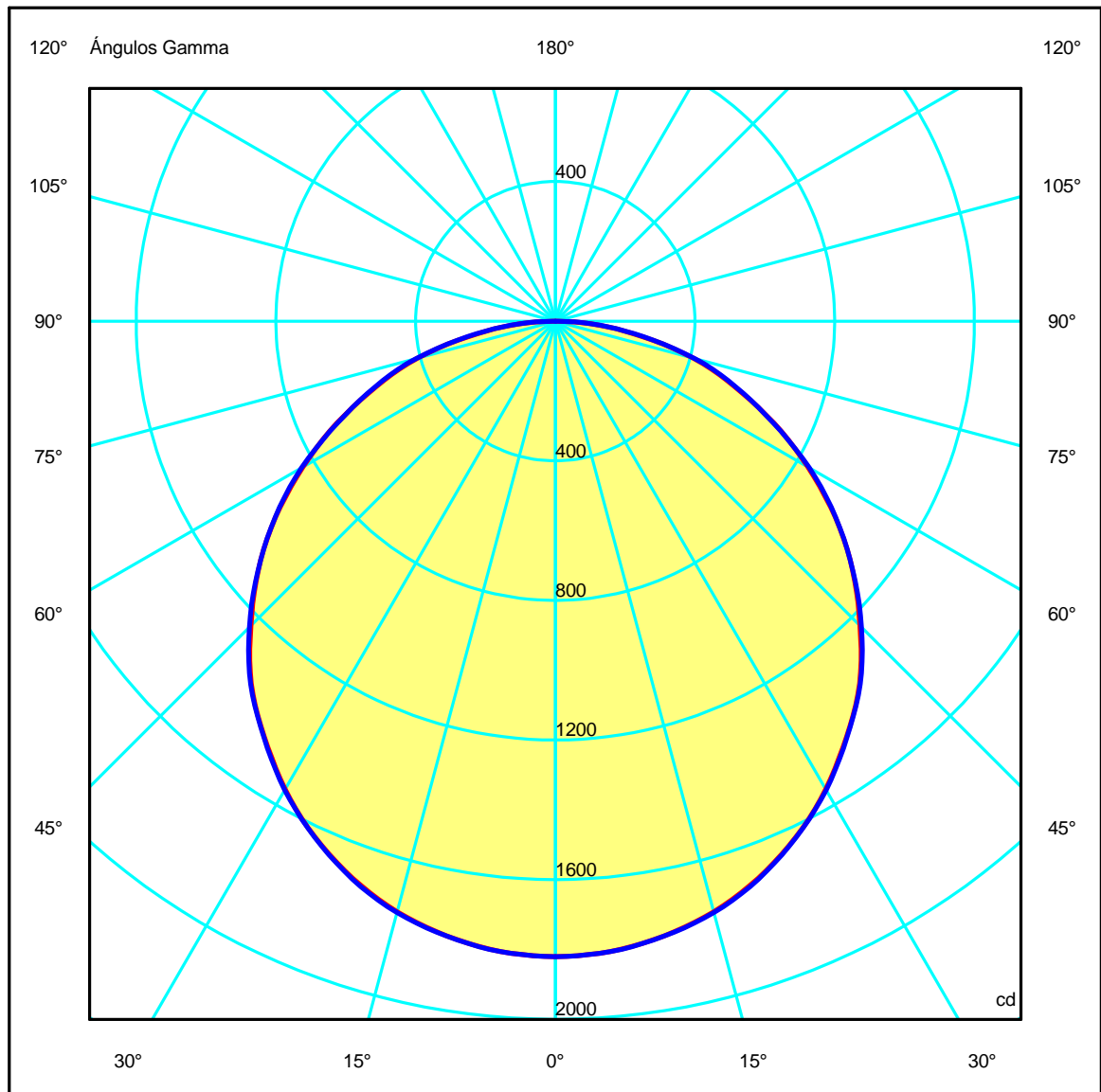
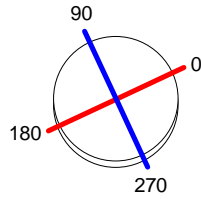
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Sources Flux	5409.85 lm	Maximum value	1820.20 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1200mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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Sources Flux	5409.85 lm	Maximum value	1820.20 cd	Position	C=0.00 G=0.00	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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	14.0	15.3	14.3	15.6	15.8	14.0	15.3	14.3	15.6	15.8
x=2H y=3H	15.8	17.0	16.1	17.2	17.5	15.8	17.0	16.1	17.2	17.5
x=2H y=4H	16.5	17.7	16.9	18.0	18.3	16.5	17.7	16.9	18.0	18.3
x=2H y=6H	17.2	18.2	17.5	18.5	18.8	17.2	18.2	17.5	18.5	18.9
x=2H y=8H	17.4	18.4	17.7	18.7	19.0	17.4	18.4	17.8	18.7	19.1
x=2H y=12H	17.5	18.5	17.9	18.9	19.2	17.6	18.6	17.9	18.9	19.2
x=4H y=2H	14.8	15.9	15.1	16.2	16.5	14.8	16.0	15.1	16.2	16.5
x=4H y=3H	16.8	17.8	17.1	18.1	18.4	16.8	17.8	17.1	18.1	18.4
x=4H y=4H	17.7	18.6	18.1	18.9	19.3	17.7	18.6	18.1	18.9	19.3
x=4H y=6H	18.4	19.2	18.9	19.6	20.0	18.4	19.2	18.9	19.6	20.0
x=4H y=8H	18.7	19.4	19.1	19.8	20.2	18.7	19.4	19.2	19.8	20.2
x=4H y=12H	18.9	19.6	19.4	20.0	20.4	19.0	19.6	19.4	20.0	20.4
x=8H y=4H	18.1	18.8	18.5	19.2	19.6	18.1	18.8	18.5	19.2	19.6
x=8H y=6H	19.0	19.6	19.4	20.0	20.5	19.0	19.6	19.5	20.0	20.5
x=8H y=8H	19.4	19.9	19.9	20.3	20.8	19.4	19.9	19.9	20.4	20.8
x=8H y=12H	19.7	20.1	20.2	20.6	21.1	19.7	20.2	20.2	20.6	21.1
x=12H y=4H	18.1	18.8	18.6	19.2	19.6	18.1	18.8	18.6	19.2	19.6
x=12H y=6H	19.1	19.6	19.6	20.1	20.5	19.1	19.6	19.6	20.1	20.5
x=12H y=8H	19.5	20.0	20.0	20.4	20.9	19.5	20.0	20.0	20.5	21.0

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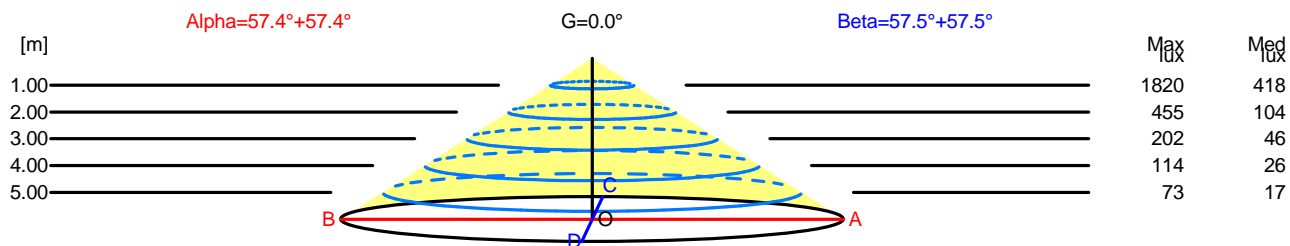
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Sources Flux	5409.85 lm	Maximum value	1820.20 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.56	3.12	4.69	6.25	7.81	OC	1.57	3.14	4.72	6.29	7.86
OB	1.56	3.12	4.69	6.25	7.81	OD	1.57	3.14	4.72	6.29	7.86

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1820.20	1812.23	1751.22	1630.18	1453.23	1233.11	978.23	690.57	409.49	124.94
OB	1820.20	1812.23	1751.22	1630.18	1453.23	1233.11	978.23	690.57	409.49	124.94
OC	1820.20	1812.45	1753.34	1630.77	1455.35	1239.41	980.11	687.78	413.07	129.02
OD	1820.20	1812.45	1753.34	1630.77	1455.35	1239.41	980.11	687.78	413.07	129.02



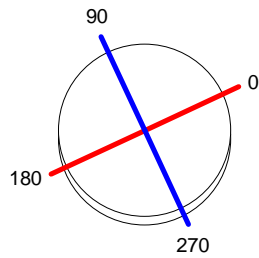
H[m]	D[m]	Max lux	Med lux	Alpha=57.4°+57.4°	G=0.0	
1.00	3.12	1820	418			
2.00	6.25	455	104			
3.00	9.37	202	46			
4.00	12.50	114	26			
5.00	15.62	73	17			

H[m]	D[m]	Max lux	Med lux	Beta=57.5°+57.5°	G=0.0	
1.00	3.14	1820	418			
2.00	6.29	455	104			
3.00	9.43	202	46			
4.00	12.58	114	26			
5.00	15.72	73	17			

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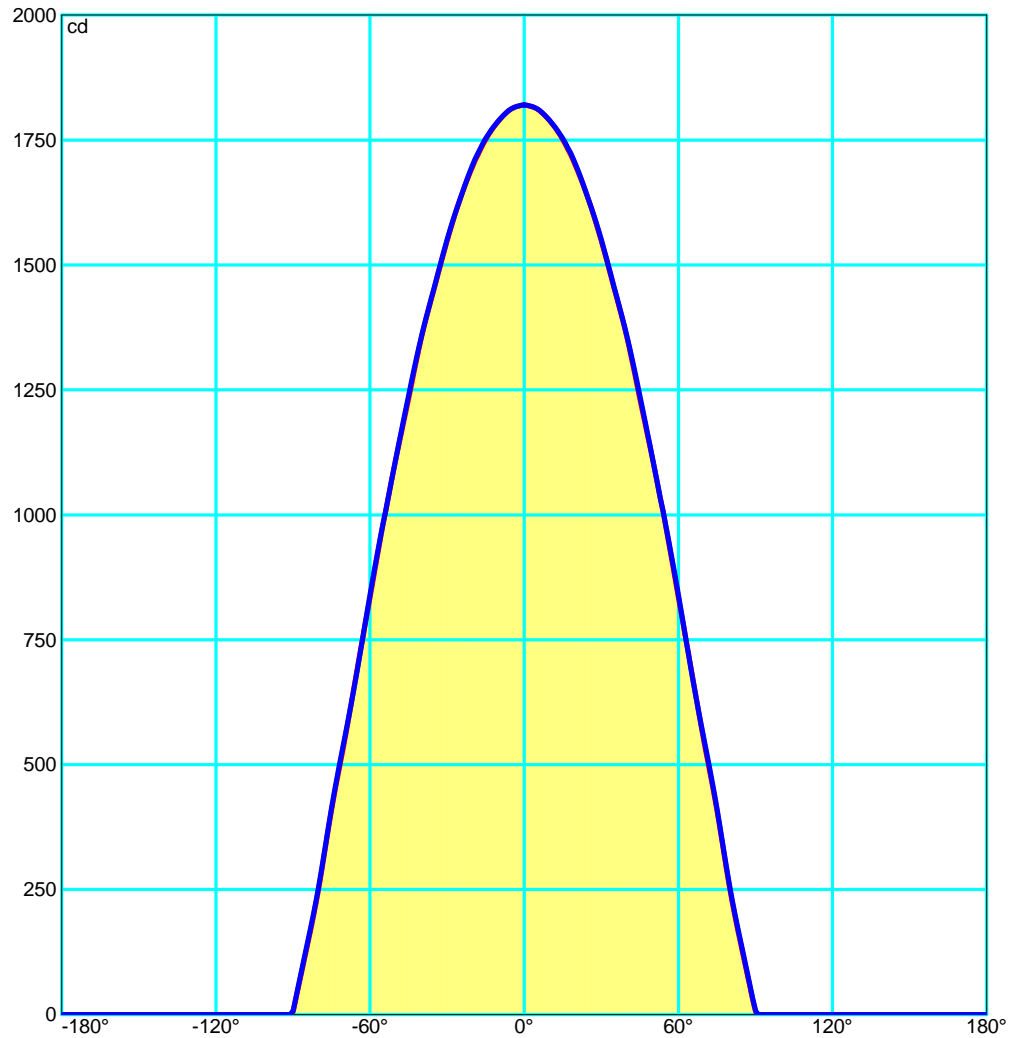
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Diam=1200mm



Semiplanos C

180.0	—	0.0
270.0	—	90.0



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Flujo Total=5409.85 Flujo Luminaria=5409.85

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	0.38	0.45	0.52	0.58	0.67	0.72	0.77	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

Flujo Zonal por 1000 Lúmenes

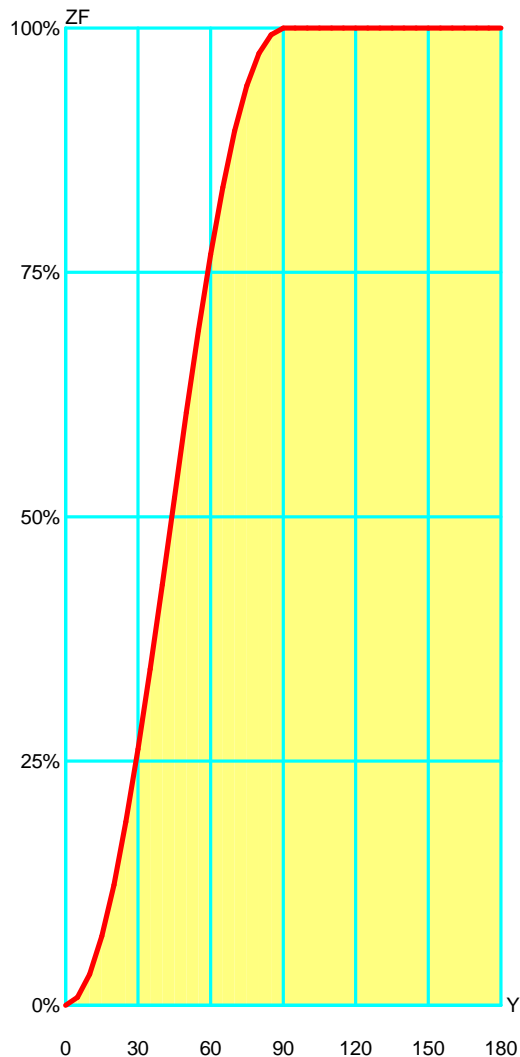
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	32	123	262	430	607	768	895	974	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

45 77 95 100 100

C.I.E. 5
D DIN 5040 A30
F UTE 1.00 E
B NBN BZ 5
RN 0.00000 %
BLF 1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.02	8.02	0.80 %	0.80 %
10°	23.81	31.83	2.38 %	3.18 %
15°	38.81	70.64	3.88 %	7.06 %
20°	52.56	123.20	5.26 %	12.32 %
25°	64.54	187.74	6.45 %	18.77 %
30°	74.39	262.12	7.44 %	26.21 %
35°	81.71	343.84	8.17 %	34.38 %
40°	86.52	430.36	8.65 %	43.04 %
45°	88.64	519.00	8.86 %	51.90 %
50°	87.78	606.78	8.78 %	60.68 %
55°	84.05	690.83	8.40 %	69.08 %
60°	77.52	768.35	7.75 %	76.84 %
65°	68.46	836.81	6.85 %	83.68 %
70°	57.93	894.75	5.79 %	89.47 %
75°	46.37	941.11	4.64 %	94.11 %
80°	32.96	974.08	3.30 %	97.41 %
85°	19.22	993.30	1.92 %	99.33 %
90°	6.70	1000.00	0.67 %	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

