

Luminaire

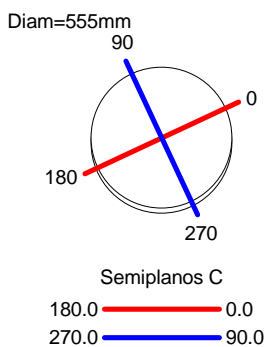
Code 2333
Name HALO CIRCULAR

Measur.

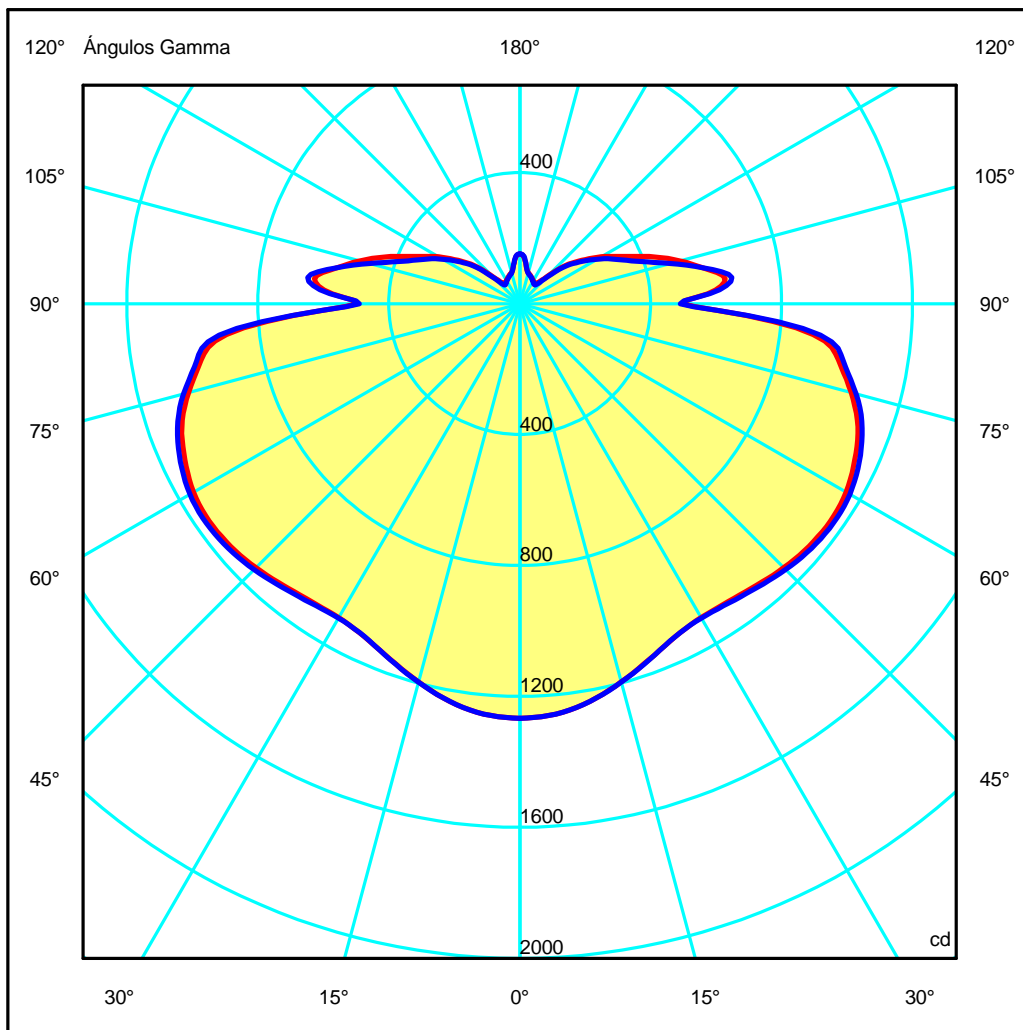
Code CL252A17F004G.E4
Name 3000K CRI 80

Luminaire Flux	8643.26 lm	Luminaire Power	137.80 W	Efficacy	62.72 lm/W	Efficiency	100.00%
Sources Flux	8643.26 lm	Maximum value	1266.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. 555 mm Diam. 555 mm	Height 40 mm Height 40 mm					
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.241922 m2 0.022200 m2 0.022200 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°				0.022200 m2 0.022200 m2 0.080067 m2	
Coordinate system Date Measurement Distance	CG 23-05-2017 6.44	Symmetry Type Maximum Gamma Angle Measurement Flux				Double Symmetrical 180 8643.24 lm	
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 54.00 %	Rated Voltage Rated Current Photocell				Prc	

Luminaire Lamps						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
OSRAM DURIS GW JCLPS2.EM	5750772	5x LED STRIP 24V 23W	8643.26	137.80	1	
C.I.E.	27 54 80 78 100	D DIN 5040	B11			
F UTE	0.78 J + 0.22 T	B NBN	BZ 8 / 0.8 / BZ 7			



ULOR 22.10 %
DLOR 77.90 %
RN 22.10 %



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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	1267	1267	1267	1267	1267	1267	1267
G 2.5	1264	1265	1264	1264	1264	1265	1264
G 5.0	1259	1259	1259	1259	1259	1261	1258
G 7.5	1248	1249	1249	1250	1248	1250	1248
G 10.0	1234	1234	1234	1235	1234	1235	1234
G 12.5	1216	1216	1216	1215	1216	1216	1216
G 15.0	1196	1197	1197	1195	1196	1196	1197
G 17.5	1176	1177	1177	1177	1177	1177	1177
G 20.0	1156	1157	1158	1158	1157	1158	1157
G 22.5	1138	1137	1138	1137	1138	1138	1138
G 25.0	1123	1120	1122	1120	1122	1121	1122
G 27.5	1113	1111	1112	1111	1112	1112	1112
G 30.0	1107	1107	1109	1109	1109	1109	1109
G 32.5	1107	1107	1110	1111	1112	1111	1110
G 35.0	1111	1111	1115	1117	1118	1116	1116
G 37.5	1117	1117	1122	1124	1125	1123	1122
G 40.0	1124	1125	1130	1133	1133	1132	1130
G 42.5	1132	1134	1138	1141	1142	1141	1140
G 45.0	1141	1142	1146	1150	1150	1151	1149
G 47.5	1148	1149	1153	1157	1158	1158	1156
G 50.0	1153	1155	1159	1162	1164	1164	1163
G 52.5	1157	1158	1162	1166	1167	1169	1167
G 55.0	1158	1159	1163	1166	1169	1170	1169
G 57.5	1157	1157	1160	1164	1166	1166	1168
G 60.0	1151	1151	1154	1159	1161	1159	1164
G 62.5	1141	1143	1147	1150	1153	1153	1155
G 65.0	1129	1132	1136	1139	1141	1144	1144
G 67.5	1116	1117	1119	1123	1126	1130	1130
G 70.0	1099	1099	1101	1106	1108	1113	1113
G 72.5	1076	1080	1083	1087	1088	1093	1091
G 75.0	1048	1053	1057	1059	1061	1066	1063
G 77.5	1017	1014	1019	1021	1026	1028	1031
G 80.0	988	988	986	994	995	1001	1003
G 82.5	951	979	961	982	968	990	972
G 85.0	847	883	867	886	871	893	868
G 87.5	648	639	657	644	661	649	652
G 90.0	498	450	490	455	497	460	491
G 92.5	557	538	545	535	553	547	562
G 95.0	617	625	600	616	609	635	634
G 97.5	630	637	607	623	615	648	650
G100.0	590	580	562	564	570	589	598
G102.5	546	536	525	521	533	533	534
G105.0	506	504	494	492	495	490	474
G107.5	464	467	458	457	441	451	421
G110.0	420	424	416	417	389	411	379
G112.5	378	381	373	377	358	371	347
G115.0	341	340	334	340	338	332	321
G117.5	312	306	305	309	313	300	297
G120.0	286	277	279	279	283	273	272
G122.5	258	251	251	245	253	248	246
G125.0	230	226	219	209	219	223	222
G127.5	206	201	182	174	182	198	199
G130.0	180	174	149	144	149	170	172
G132.5	147	143	126	123	126	138	139
G135.0	115	114	111	108	111	110	107
G137.5	94	95	97	97	97	92	86
G140.0	83	84	87	89	85	81	75
G142.5	78	78	80	81	79	76	73
G145.0	76	77	77	77	77	75	75
G147.5	78	79	78	78	78	78	77
G150.0	81	82	82	82	81	81	80
G152.5	84	85	85	85	84	84	82
G155.0	87	88	87	88	87	87	85
G157.5	90	91	90	90	90	90	88
G160.0	93	93	92	92	92	92	91
G162.5	95	95	94	94	94	94	94
G165.0	98	98	97	97	97	97	97
G167.5	104	103	103	102	102	103	103
G170.0	114	113	113	112	113	114	114
G172.5	129	128	128	127	128	129	130
G175.0	143	142	142	141	142	142	144
G177.5	150	149	149	148	149	149	151
G180.0	152	152	152	152	152	152	152

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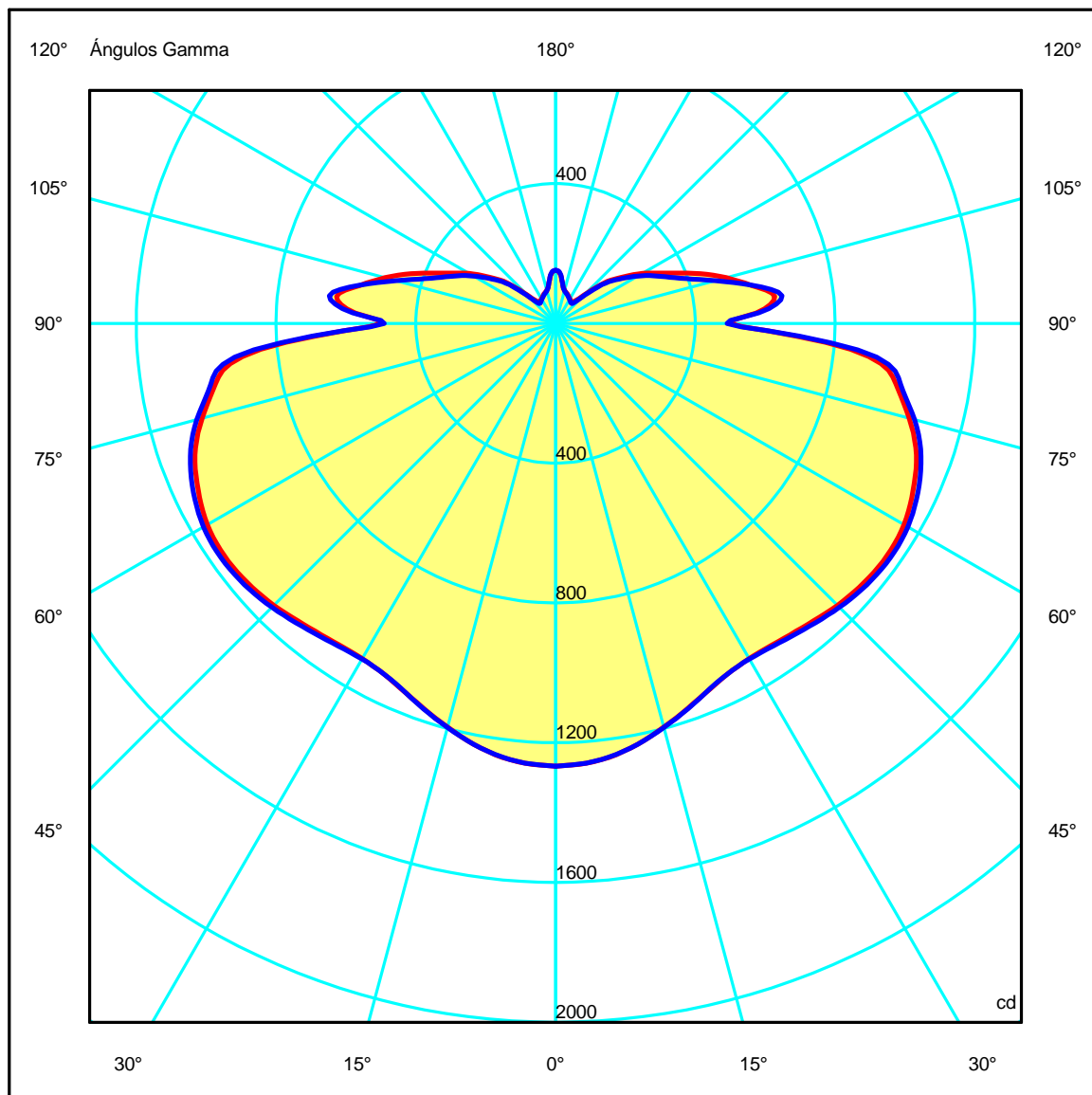
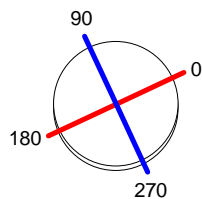
Luminaire Flux	8643.26 lm	Luminaire Power	137.80 W	Efficacy	62.72 lm/W	Efficiency	100.00%
Sources Flux	8643.26 lm	Maximum value	1266.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=555mm

Semiplanos C

180.0 ————— 0.0

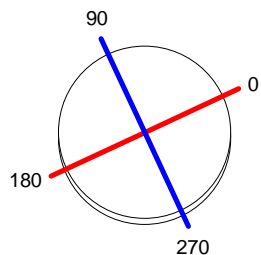
270.0 ————— 90.0



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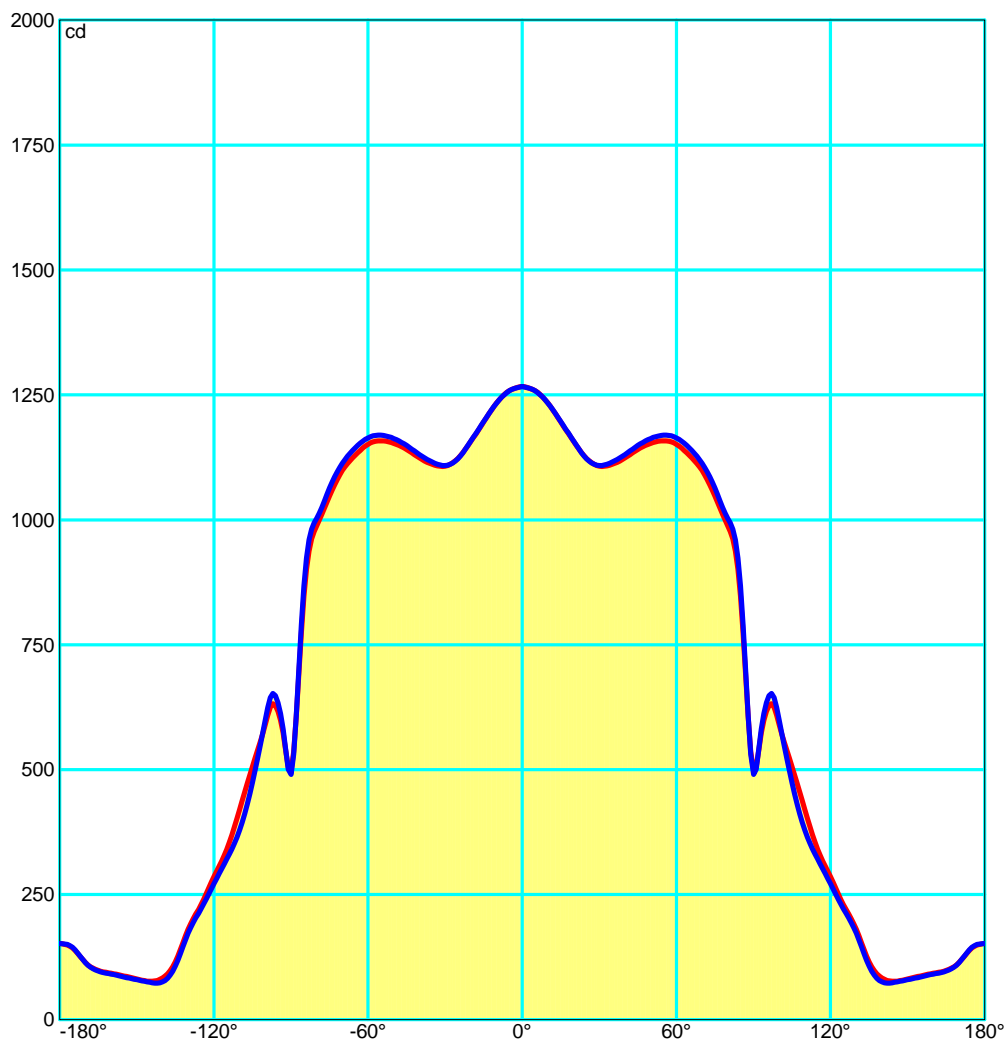
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Diam=555mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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Sources Flux	8643.26 lm	Maximum value	1266.82 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	18.2	19.5	18.8	20.1	20.8	18.2	19.5	18.8	20.1	20.8
x=2H y=3H	21.2	22.4	21.9	23.0	23.8	21.3	22.5	21.9	23.1	23.8
x=2H y=4H	22.8	23.9	23.5	24.6	25.3	22.9	24.0	23.5	24.7	25.4
x=2H y=6H	24.4	25.5	25.1	26.1	26.9	24.5	25.6	25.2	26.2	27.0
x=2H y=8H	25.3	26.3	26.0	27.0	27.8	25.4	26.4	26.1	27.1	27.9
x=2H y=12H	26.1	27.1	26.8	27.8	28.6	26.2	27.2	26.9	27.9	28.7
x=4H y=2H	19.3	20.5	20.0	21.1	21.9	19.4	20.5	20.0	21.2	21.9
x=4H y=3H	22.5	23.5	23.2	24.1	24.9	22.5	23.5	23.2	24.2	25.0
x=4H y=4H	24.2	25.1	24.9	25.8	26.6	24.3	25.1	25.0	25.8	26.7
x=4H y=6H	26.0	26.7	26.7	27.5	28.3	26.0	26.8	26.8	27.6	28.4
x=4H y=8H	26.9	27.6	27.6	28.4	29.3	27.0	27.7	27.7	28.5	29.3
x=4H y=12H	27.8	28.5	28.6	29.3	30.1	27.9	28.6	28.7	29.3	30.2
x=8H y=4H	24.9	25.7	25.7	26.4	27.3	25.0	25.7	25.7	26.5	27.3
x=8H y=6H	26.9	27.6	27.7	28.3	29.2	27.0	27.6	27.8	28.4	29.3
x=8H y=8H	28.1	28.6	28.8	29.4	30.3	28.1	28.7	28.9	29.5	30.4
x=8H y=12H	29.1	29.6	29.9	30.4	31.4	29.2	29.7	30.0	30.5	31.5
x=12H y=4H	25.1	25.8	25.9	26.5	27.4	25.2	25.8	25.9	26.6	27.5
x=12H y=6H	27.2	27.8	28.0	28.6	29.5	27.3	27.8	28.1	28.6	29.5
x=12H y=8H	28.4	28.9	29.2	29.7	30.7	28.5	29.0	29.3	29.8	30.7

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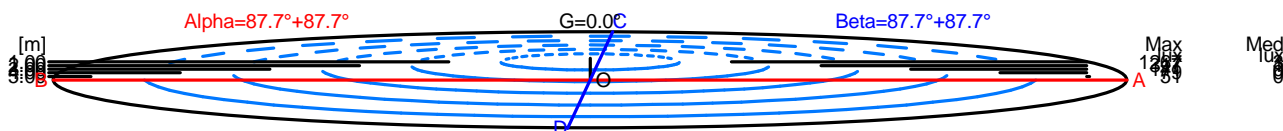
Luminaire Flux	8643.26 lm	Luminaire Power	137.80 W	Efficacy	62.72 lm/W	Efficiency	100.00%
Sources Flux	8643.26 lm	Maximum value	1266.82 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	24.65	49.30	73.95	98.60	123.25	OC	25.05	50.10	75.14	100.19	125.24
OB	24.65	49.30	73.95	98.60	123.25	OD	25.05	50.10	75.14	100.19	125.24

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1266.82	1258.51	1196.13	1122.90	1110.92	1140.54	1158.01	1128.91	1047.61	847.05
OB	1266.82	1258.51	1196.13	1122.90	1110.92	1140.54	1158.01	1128.91	1047.61	847.05
OC	1266.82	1258.21	1196.86	1122.10	1115.52	1148.66	1169.27	1143.85	1063.47	867.78
OD	1266.82	1258.21	1196.86	1122.10	1115.52	1148.66	1169.27	1143.85	1063.47	867.78



H[m]	D[m]	Max lux	Med lux	Alpha=87.7°+87.7°	G=0.0	
1.00	49.30	1267	3			
2.00	98.60	317	1			
3.00	147.90	141	0			
4.00	197.20	79	0			
5.00	246.51	51	0			

H[m]	D[m]	Max lux	Med lux	Beta=87.7°+87.7°	G=0.0	
1.00	50.10	1267	3			
2.00	100.19	317	1			
3.00	150.29	141	0			
4.00	200.39	79	0			
5.00	250.48	51	0			

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Measurement

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Flujo Total=8643.26 Flujo Luminaria=8643.26

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	0.17	0.23	0.29	0.35	0.40	0.49	0.55	0.60	0.67	0.72	0.83	0.90
RC	9	9	9	9	8	8	8	8	8	8	8	8

Flujo Zonal por 1000 Lúmenes

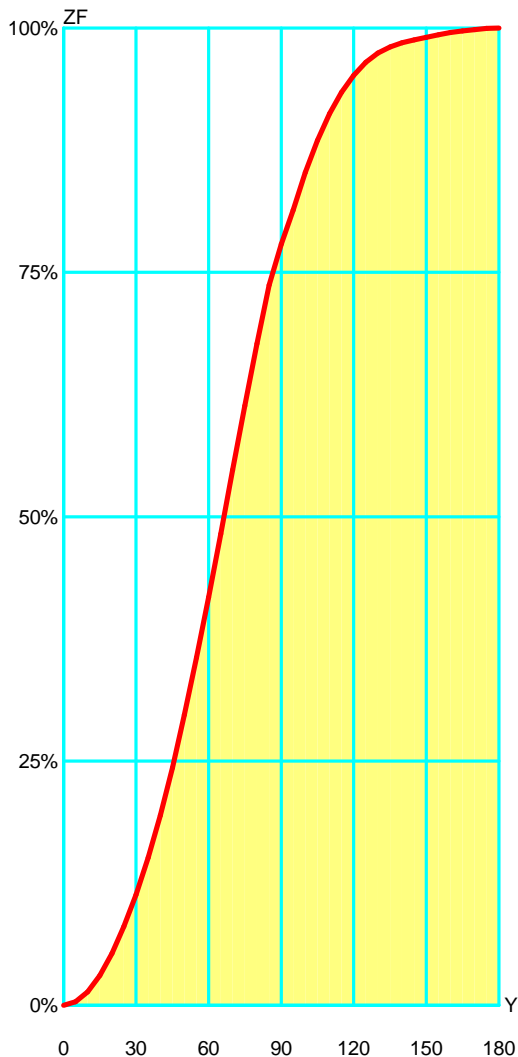
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	14	53	113	194	297	418	548	677	779	852	913	952	975	985	991	995	999	1000

Códigos de Flujo C.I.E.

27 54 80 78 100

C.I.E. 9/9/9/8/8/8/8/8/8/8
D DIN 5040 B11
F UTE 0.78 J + 0.22 T
B NBN BZ 8 / 0.8 / BZ 7
RN 22.09982 %
BLF 1.0

LOR 100.00000 %
ULOR 22.09982 %
DLOR 77.90018 %
UFF 22.09982 %
DFF 77.90018 %
FFR 28.36941 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.49	3.49	0.35 %	0.35 %
10°	10.32	13.81	1.03 %	1.38 %
15°	16.67	30.49	1.67 %	3.05 %
20°	22.43	52.92	2.24 %	5.29 %
25°	27.62	80.54	2.76 %	8.05 %
30°	32.60	113.13	3.26 %	11.31 %
35°	37.85	150.99	3.79 %	15.10 %
40°	43.33	194.32	4.33 %	19.43 %
45°	48.79	243.11	4.88 %	24.31 %
50°	53.96	297.07	5.40 %	29.71 %
55°	58.54	355.60	5.85 %	35.56 %
60°	62.14	417.75	6.21 %	41.77 %
65°	64.59	482.34	6.46 %	48.23 %
70°	65.75	548.09	6.57 %	54.81 %
75°	65.55	613.64	6.56 %	61.36 %
80°	63.39	677.03	6.34 %	67.70 %
85°	60.00	737.02	6.00 %	73.70 %
90°	41.98	779.00	4.20 %	77.90 %
95°	34.61	813.61	3.46 %	81.36 %
100°	38.54	852.15	3.85 %	85.22 %
105°	33.03	885.18	3.30 %	88.52 %
110°	27.36	912.54	2.74 %	91.25 %
115°	21.78	934.32	2.18 %	93.43 %
120°	17.26	951.58	1.73 %	95.16 %
125°	13.36	964.95	1.34 %	96.49 %
130°	9.58	974.53	0.96 %	97.45 %
135°	6.29	980.82	0.63 %	98.08 %
140°	4.12	984.94	0.41 %	98.49 %
145°	3.06	988.00	0.31 %	98.80 %
150°	2.67	990.67	0.27 %	99.07 %
155°	2.47	993.14	0.25 %	99.31 %
160°	2.18	995.32	0.22 %	99.53 %
165°	1.80	997.12	0.18 %	99.71 %
170°	1.42	998.54	0.14 %	99.85 %
175°	1.05	999.59	0.11 %	99.96 %
180°	0.41	1000.00	0.04 %	100.00 %

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Isolux (Floor)

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

