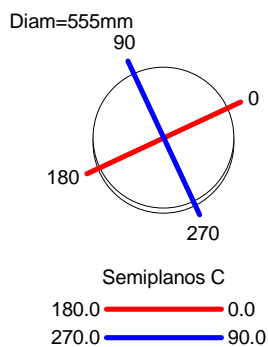


Luminaire

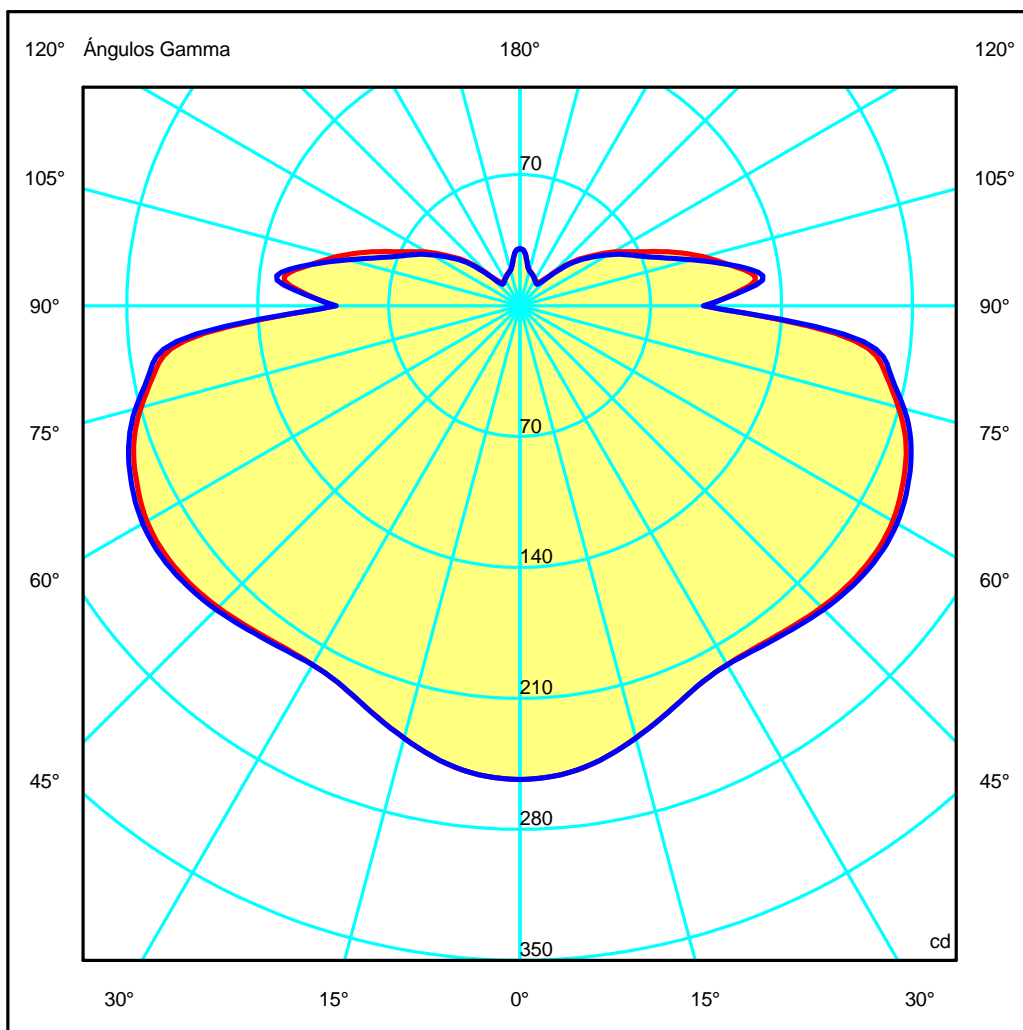
Code 2330
Name HALO CIRCULAR
Measur.
Code CL252A17F004G.E1
Name 3000K CRI 80

Luminaire Flux	1726.78 lm	Luminaire Power	27.56 W	Efficacy	62.66 lm/W	Efficiency	100.00%
Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. Diam.	555 mm 555 mm	Height Height	40 mm 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 1726.78 lm			
Operator Temperature Humidity Notes	Asselum T2 25.00 °C 54.00 %	Rated Voltage Rated Current Photocell		230.30 V 0.13 A Prc			

Luminaire Lamps						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
OSRAM DURIS GW JCLPS2.EM	5750772	1x LED STRIP 24V 23W	1726.78	27.56	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 22.06 %
DLOR 77.94 %
RN 22.06 %



Luminaire

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Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	253	253	253	253	253	253	253
G 5.0	252	252	252	252	252	252	252
G 10.0	247	247	247	247	247	247	247
G 15.0	239	239	239	239	239	239	239
G 20.0	231	231	232	232	231	232	231
G 25.0	225	224	224	224	224	224	224
G 30.0	221	221	222	222	222	222	222
G 35.0	222	222	223	223	224	223	223
G 40.0	225	225	226	227	227	226	226
G 45.0	228	228	229	230	230	230	230
G 50.0	231	231	232	232	233	233	233
G 55.0	232	232	233	233	234	234	234
G 60.0	230	230	231	232	232	232	233
G 65.0	226	226	227	228	228	229	229
G 70.0	220	220	220	221	222	223	223
G 75.0	210	211	211	212	212	213	213
G 80.0	198	198	197	199	199	200	201
G 85.0	169	177	173	177	174	179	174
G 90.0	100	90	98	91	99	92	98
G 95.0	123	125	120	123	122	127	127
G100.0	118	116	112	113	114	118	120
G105.0	101	101	99	98	99	98	95
G110.0	84	85	83	83	78	82	76
G115.0	68	68	67	68	68	66	64
G120.0	57	55	56	56	57	55	54
G125.0	46	45	44	42	44	45	44
G130.0	36	35	30	29	30	34	34
G135.0	23	23	22	22	22	22	21
G140.0	17	17	17	18	17	16	15
G145.0	15	15	15	15	15	15	15
G150.0	16	16	16	16	16	16	16
G155.0	17	18	17	18	17	17	17
G160.0	19	19	18	18	18	18	18
G165.0	20	20	19	19	19	19	19
G170.0	23	23	23	22	23	23	23
G175.0	29	28	28	28	28	28	29
G180.0	30	30	30	30	30	30	30

Luminaire

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Name HALO CIRCULAR

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Name 3000K CRI 80

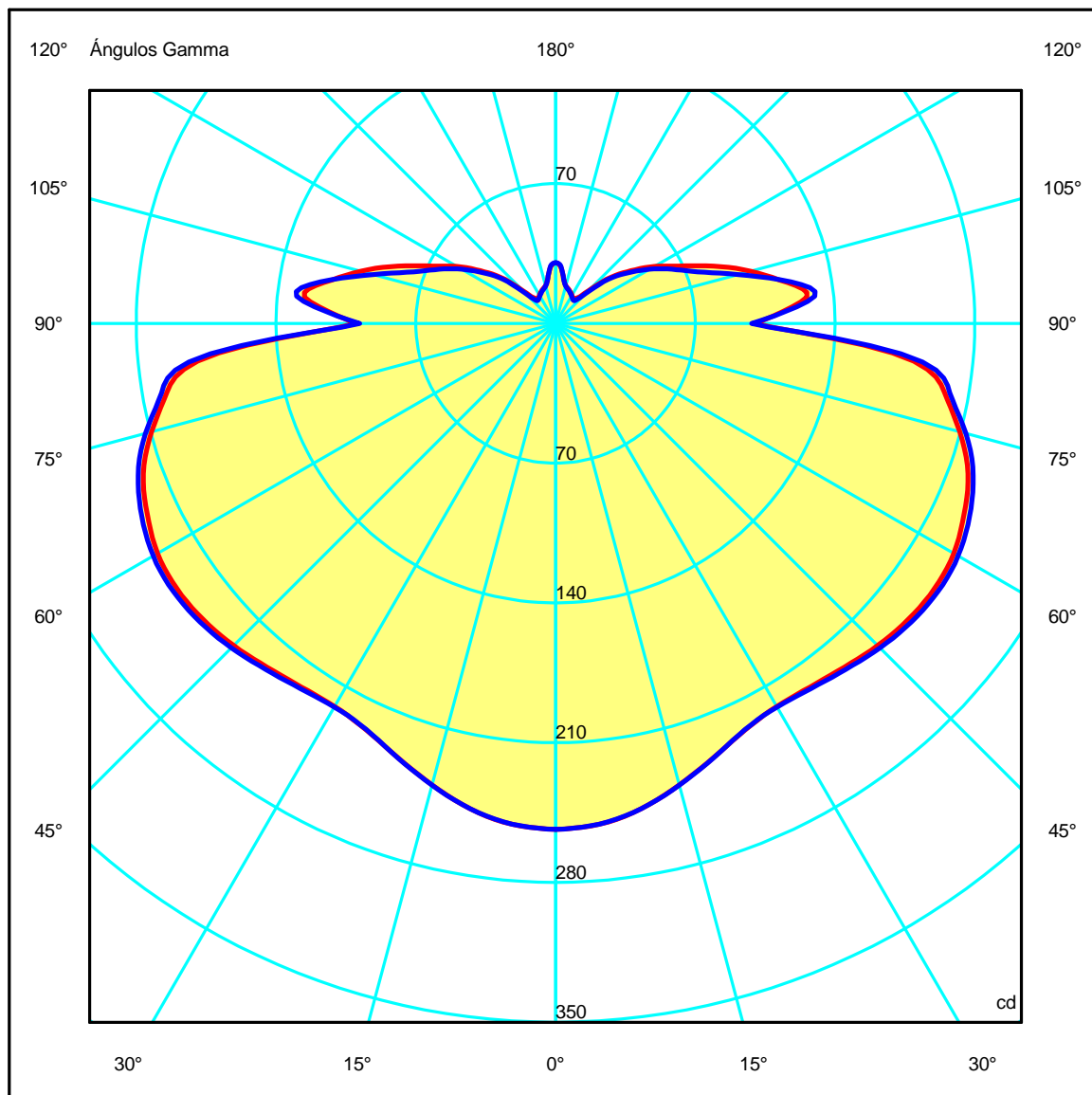
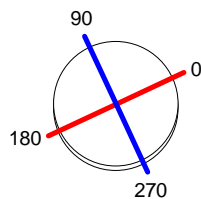
Luminaire Flux	1726.78 lm	Luminaire Power	27.56 W	Efficacy	62.66 lm/W	Efficiency	100.00%
Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=555mm

Semiplanos C

180.0 — 0.0

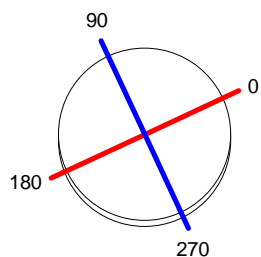
270.0 — 90.0



Luminaire
Code 2330
Name HALO CIRCULAR
Measur.
Code CL252A17F004G.E1
Name 3000K CRI 80

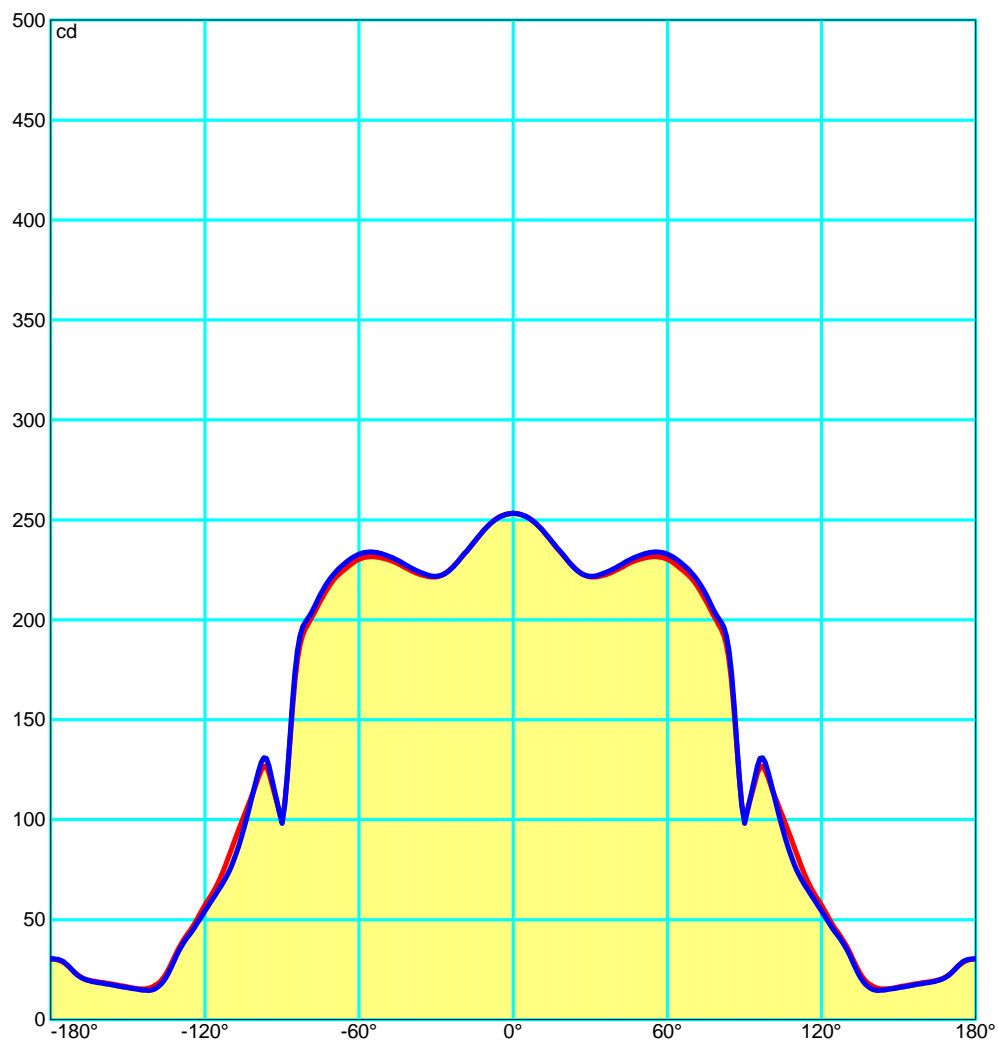
Luminaire Flux	1726.78 lm	Luminaire Power	27.56 W	Efficacy	62.66 lm/W	Efficiency	100.00%
Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=555mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

Code 2330
Name HALO CIRCULAR

Measurem.

Code CL252A17F004G.E1
Name 3000K CRI 80

Luminaire Flux	1726.78 lm	Luminaire Power	27.56 W	Efficacy	62.66 lm/W	Efficiency	100.00%
Sources Flux	1726.78 lm	Maximum value	253.36 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	12.6	13.9	13.2	14.5	15.2	12.6	13.9	13.2	14.5	15.2
x=2H y=3H	15.6	16.8	16.3	17.4	18.2	15.7	16.9	16.3	17.5	18.2
x=2H y=4H	17.2	18.3	17.9	19.0	19.7	17.3	18.4	17.9	19.1	19.8
x=2H y=6H	18.8	19.9	19.5	20.6	21.4	18.9	20.0	19.6	20.6	21.4
x=2H y=8H	19.7	20.7	20.4	21.4	22.2	19.8	20.8	20.5	21.5	22.3
x=2H y=12H	20.5	21.5	21.2	22.2	23.0	20.6	21.6	21.3	22.3	23.1
x=4H y=2H	13.8	14.9	14.4	15.5	16.3	13.8	14.9	14.4	15.5	16.3
x=4H y=3H	16.9	17.9	17.6	18.6	19.4	17.0	17.9	17.6	18.6	19.4
x=4H y=4H	18.6	19.5	19.3	20.2	21.0	18.7	19.5	19.4	20.3	21.1
x=4H y=6H	20.4	21.2	21.1	21.9	22.8	20.5	21.2	21.2	22.0	22.8
x=4H y=8H	21.3	22.1	22.1	22.8	23.7	21.4	22.1	22.1	22.9	23.7
x=4H y=12H	22.2	22.9	23.0	23.7	24.6	22.3	23.0	23.1	23.8	24.7
x=8H y=4H	19.4	20.1	20.1	20.8	21.7	19.4	20.1	20.1	20.9	21.7
x=8H y=6H	21.4	22.0	22.1	22.7	23.6	21.4	22.0	22.2	22.8	23.7
x=8H y=8H	22.5	23.0	23.2	23.8	24.7	22.5	23.1	23.3	23.9	24.8
x=8H y=12H	23.6	24.1	24.4	24.8	25.8	23.7	24.1	24.4	24.9	25.9
x=12H y=4H	19.5	20.2	20.3	21.0	21.8	19.6	20.2	20.3	21.0	21.9
x=12H y=6H	21.6	22.2	22.4	23.0	23.9	21.7	22.3	22.5	23.0	24.0
x=12H y=8H	22.9	23.3	23.6	24.1	25.1	22.9	23.4	23.7	24.2	25.1

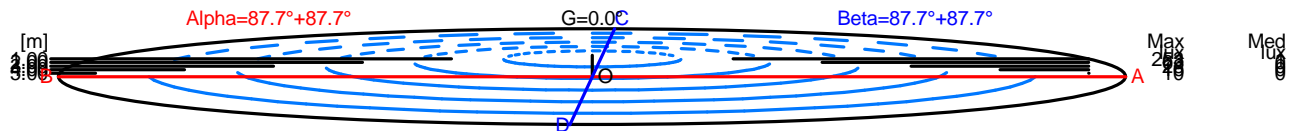
Luminaire
Code 2330
Name HALO CIRCULAR
Measur.
Code CL252A17F004G.E1
Name 3000K CRI 80

Luminaire Flux	1726.78 lm	Luminaire Power	27.56 W	Efficacy	62.66 lm/W	Efficiency	100.00%
Sources Flux	1726.78 lm	Maximum value	253.36 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	24.76	49.51	74.27	99.03	123.78	OC	25.17	50.34	75.52	100.69	125.86
OB	24.76	49.51	74.27	99.03	123.78	OD	25.17	50.34	75.52	100.69	125.86

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	253.36	251.70	239.23	224.58	222.19	228.11	231.60	225.78	209.52	169.41
OB	253.36	251.70	239.23	224.58	222.19	228.11	231.60	225.78	209.52	169.41
OC	253.36	251.64	239.37	224.42	223.11	229.73	233.85	228.77	212.69	173.56
OD	253.36	251.64	239.37	224.42	223.11	229.73	233.85	228.77	212.69	173.56



H[m]	D[m]	Max lux	Med lux	Alpha=87.7°+87.7°	G=0.0	
1.00	49.51	253	1			
2.00	99.03	63	0			
3.00	148.54	28	0			
4.00	198.05	16	0			
5.00	247.57	10	0			

H[m]	D[m]	Max lux	Med lux	Beta=87.7°+87.7°	G=0.0	
1.00	50.34	253	1			
2.00	100.69	63	0			
3.00	151.03	28	0			
4.00	201.38	16	0			
5.00	251.72	10	0			

Luminaire

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Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Flujo Total=1726.78 Flujo Luminaria=1726.78

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	0.56	0.60	0.67	0.72	0.83	0.90
RC	9	9	9	9	8	8	8	8	8	8	8	8

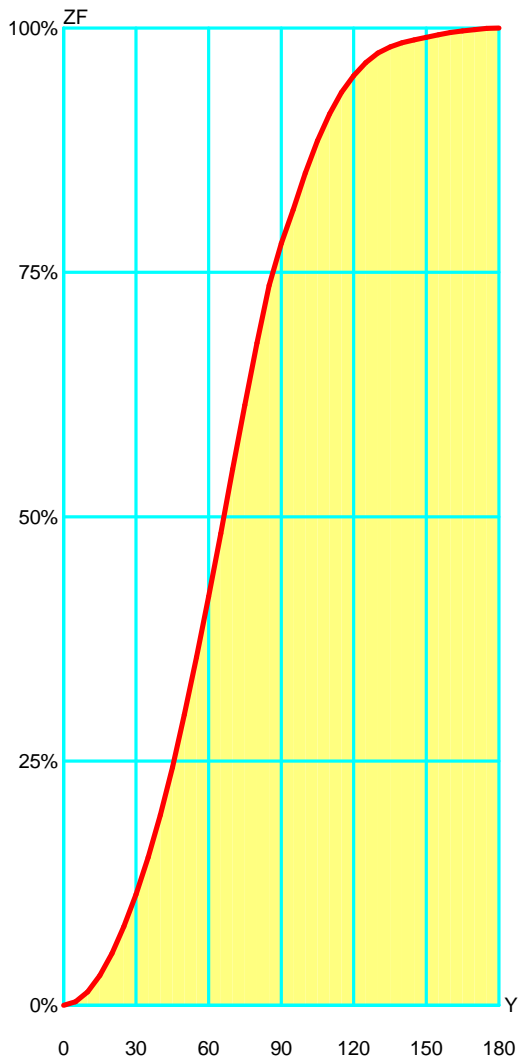
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	14	53	113	195	297	418	549	678	779	852	912	951	974	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
D DIN 5040 B11
F UTE 0.78 J + 0.22 T
B NBN BZ 8 / 0.8 / BZ 7
RN 22.05816 %
BLF 1.0

LOR 100.00000 %
ULOR 22.05816 %
DLOR 77.94184 %
UFF 22.05816 %
DFF 77.94184 %
FFR 28.30079 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.50	3.50	0.35 %	0.35 %
10°	10.33	13.83	1.03 %	1.38 %
15°	16.70	30.53	1.67 %	3.05 %
20°	22.47	52.99	2.25 %	5.30 %
25°	27.68	80.68	2.77 %	8.07 %
30°	32.68	113.36	3.27 %	11.34 %
35°	37.92	151.28	3.79 %	15.13 %
40°	43.38	194.66	4.34 %	19.47 %
45°	48.83	243.50	4.88 %	24.35 %
50°	54.00	297.50	5.40 %	29.75 %
55°	58.56	356.06	5.86 %	35.61 %
60°	62.17	418.23	6.22 %	41.82 %
65°	64.62	482.85	6.46 %	48.29 %
70°	65.79	548.64	6.58 %	54.86 %
75°	65.51	614.15	6.55 %	61.42 %
80°	63.59	677.74	6.36 %	67.77 %
85°	58.84	736.58	5.88 %	73.66 %
90°	42.84	779.42	4.28 %	77.94 %
95°	34.65	814.07	3.47 %	81.41 %
100°	37.60	851.67	3.76 %	85.17 %
105°	33.18	884.85	3.32 %	88.49 %
110°	27.36	912.21	2.74 %	91.22 %
115°	21.87	934.08	2.19 %	93.41 %
120°	17.30	951.38	1.73 %	95.14 %
125°	13.35	964.73	1.34 %	96.47 %
130°	9.59	974.32	0.96 %	97.43 %
135°	6.34	980.66	0.63 %	98.07 %
140°	4.18	984.84	0.42 %	98.48 %
145°	3.10	987.94	0.31 %	98.79 %
150°	2.69	990.63	0.27 %	99.06 %
155°	2.47	993.10	0.25 %	99.31 %
160°	2.18	995.28	0.22 %	99.53 %
165°	1.81	997.09	0.18 %	99.71 %
170°	1.45	998.53	0.14 %	99.85 %
175°	1.06	999.59	0.11 %	99.96 %
180°	0.41	1000.00	0.04 %	100.00 %

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Sources Flux	1726.78 lm	Maximum value	253.36 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

