

**Luminaire**

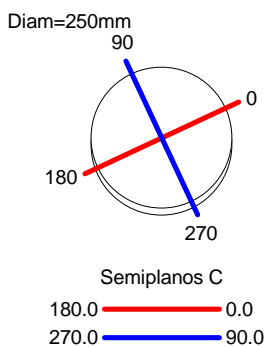
Code 2282  
Name Guise

**Measur.**

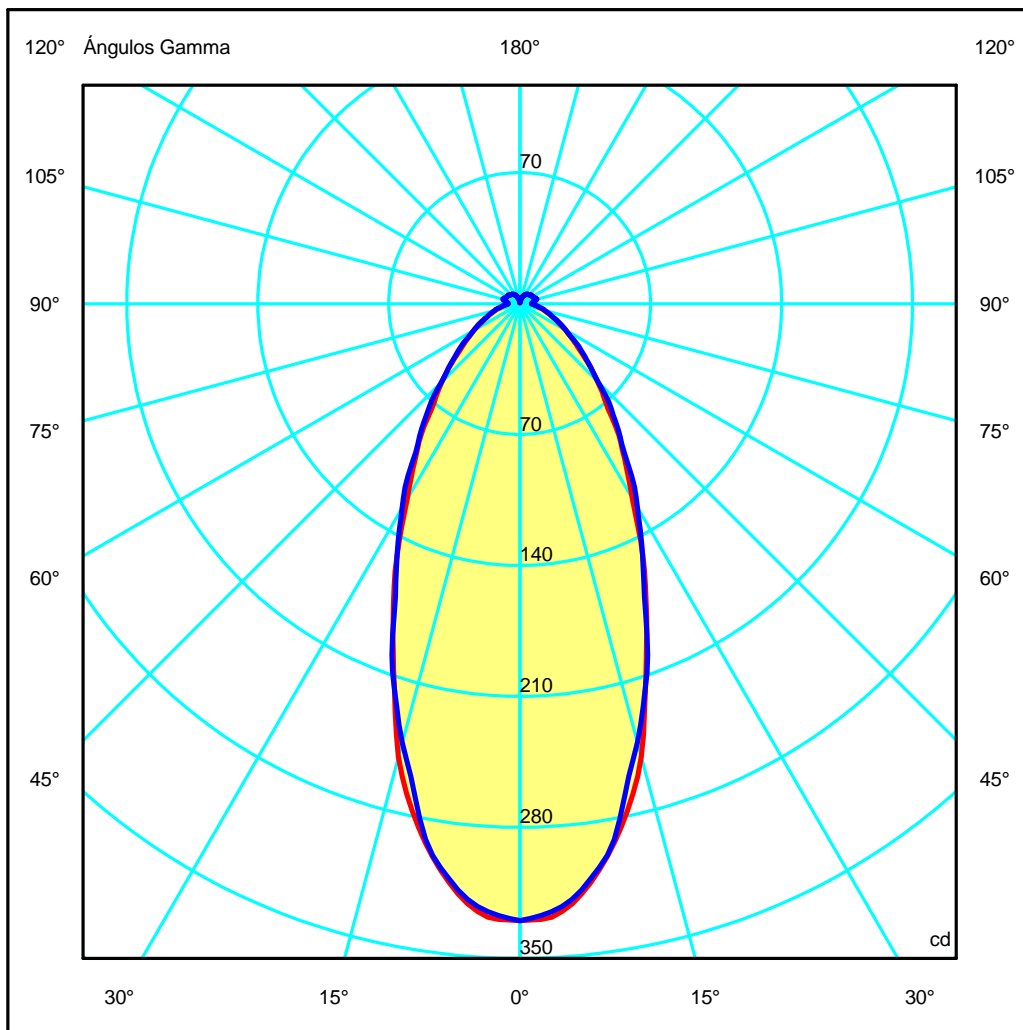
Code CL252A20F001G.E1  
Name 3000K CRI90

Luminaire Flux	398.74 lm	Luminaire Power	15.32 W	Efficacy	26.02 lm/W	Efficiency	100.00%
Sources Flux	398.74 lm	Maximum value	329.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	250 mm	Height	155 mm		
Round Luminous Area		Diam.	250 mm	Height	0 mm		
Horizontal Luminous Area		0.049087 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°		0.011875 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		25-03-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		398.74 lm	
Operator		ASSELUM		Rated Voltage		230.23 V	
Temperature		25.00 °C		Rated Current		0.07 A	
Humidity		22.00 %		Photocell		Prc	
Notes							

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
LUXEON 3014 3000K CRI90		5751949		Name 1x LED 24V 12W		398.74	15.32	1
C.I.E.	67 87 96 89 100			D DIN 5040		B51		
F UTE	0.89 C + 0.11 T			B NBN		BZ 2 / 2 / BZ 3		



ULOR 11.07 %  
DLOR 88.93 %  
RN 11.07 %



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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	330	330	330	330	330	330	330
G 2.5	329	329	329	328	327	327	326
G 5.0	322	321	320	321	320	320	320
G 7.5	309	308	307	308	308	308	307
G 10.0	292	291	290	289	290	290	291
G 12.5	273	271	270	269	267	265	264
G 15.0	251	248	246	245	244	243	243
G 17.5	222	220	219	219	220	221	221
G 20.0	198	197	197	197	198	199	200
G 22.5	177	177	176	176	176	175	175
G 25.0	158	157	157	156	156	156	156
G 27.5	138	138	138	139	139	140	140
G 30.0	120	121	121	123	124	125	126
G 32.5	107	107	108	109	110	112	113
G 35.0	96	96	97	97	97	97	97
G 37.5	86	86	86	86	87	87	87
G 40.0	73	74	74	75	76	78	78
G 42.5	66	66	66	67	68	69	69
G 45.0	59	59	59	59	59	59	59
G 47.5	52	52	52	52	52	52	52
G 50.0	46	46	46	46	47	47	47
G 52.5	40	40	40	41	41	42	41
G 55.0	36	36	36	36	37	37	37
G 57.5	32	32	32	32	32	32	32
G 60.0	28	28	28	28	28	28	28
G 62.5	24	24	25	25	25	25	25
G 65.0	22	22	22	22	22	23	23
G 67.5	19	19	20	20	20	20	20
G 70.0	17	17	17	17	17	17	17
G 72.5	15	15	15	15	16	16	16
G 75.0	13	13	13	14	14	14	14
G 77.5	12	12	12	12	12	12	12
G 80.0	10	10	10	10	10	10	10
G 82.5	9	9	9	9	9	9	9
G 85.0	8	8	8	8	8	8	8
G 87.5	7	7	7	7	7	7	7
G 90.0	6	6	6	6	6	6	6
G 92.5	6	6	6	6	6	6	6
G 95.0	7	7	7	7	7	7	7
G 97.5	8	8	8	7	7	7	7
G100.0	8	8	8	8	8	8	8
G102.5	9	9	9	9	9	9	9
G105.0	9	9	9	9	9	9	9
G107.5	9	9	9	9	9	9	9
G110.0	9	9	9	9	9	9	9
G112.5	8	8	9	9	8	8	8
G115.0	8	8	8	8	8	8	8
G117.5	8	8	8	8	8	8	8
G120.0	8	8	8	8	8	8	8
G122.5	8	8	8	8	8	8	8
G125.0	8	8	8	7	7	8	8
G127.5	8	8	8	7	7	7	7
G130.0	8	7	7	7	7	7	7
G132.5	7	7	7	7	7	7	7
G135.0	7	7	7	7	7	7	7
G137.5	7	7	7	7	7	7	7
G140.0	6	6	6	7	7	7	7
G142.5	6	6	6	6	6	6	6
G145.0	6	6	6	6	6	6	6
G147.5	6	6	6	6	6	6	6
G150.0	5	5	5	5	6	6	5
G152.5	5	5	5	5	5	5	5
G155.0	5	5	5	5	5	5	5
G157.5	4	4	4	4	4	4	4
G160.0	4	4	4	4	4	4	4
G162.5	3	3	3	3	3	3	3
G165.0	3	3	3	3	3	3	3
G167.5	2	2	2	2	2	2	2
G170.0	2	2	2	2	2	2	2
G172.5	1	1	1	1	1	1	1
G175.0	1	1	1	1	1	1	1
G177.5	0	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

**Luminaire**

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Name Guise

**Measur.**

Code CL252A20F001G.E1  
Name 3000K CRI90

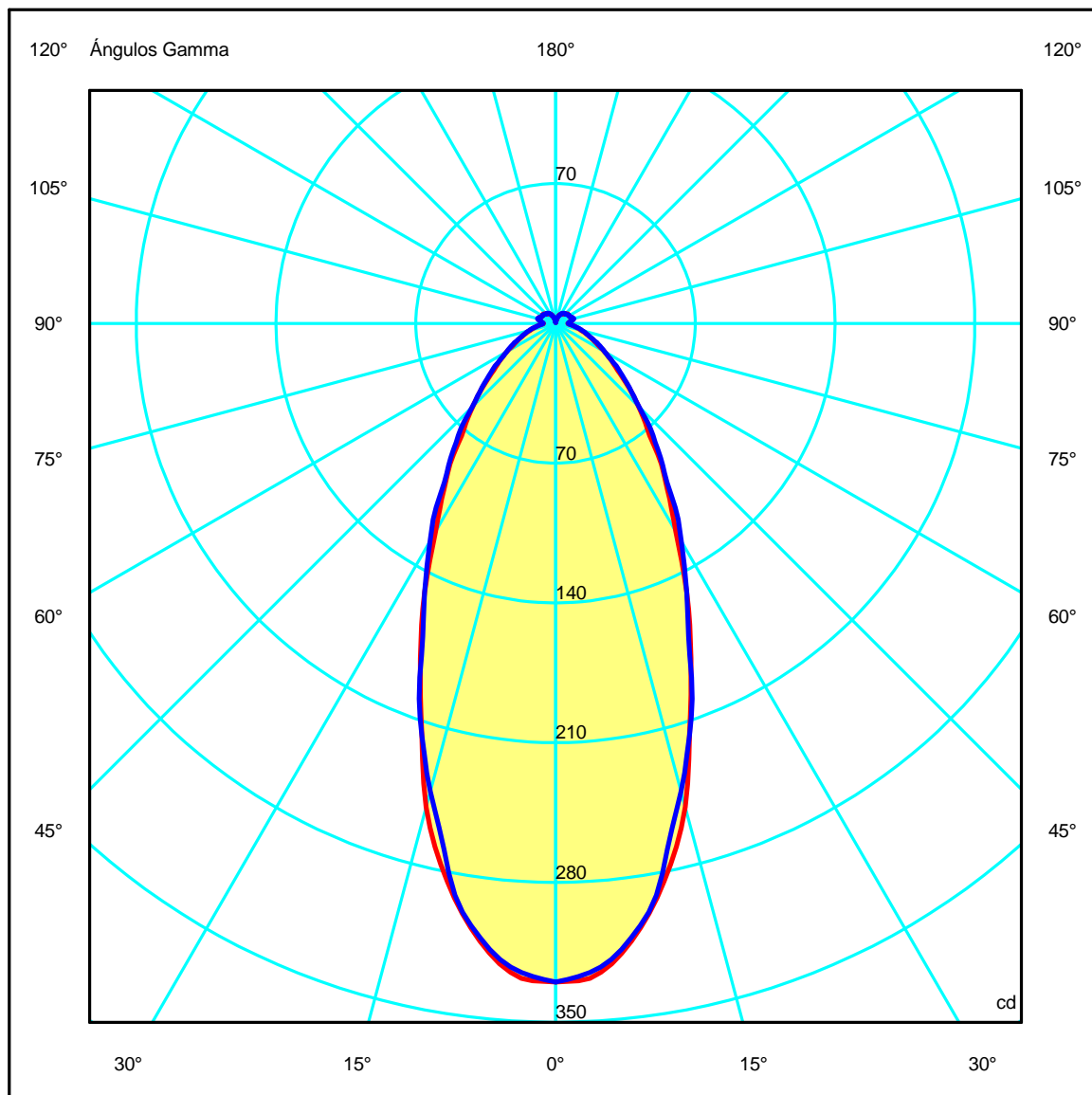
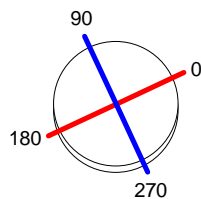
Luminaire Flux	398.74 lm	Luminaire Power	15.32 W	Efficacy	26.02 lm/W	Efficiency	100.00%
Sources Flux	398.74 lm	Maximum value	329.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=250mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



**Luminaire**

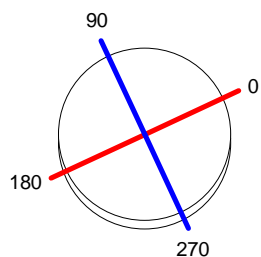
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**Measurem.**

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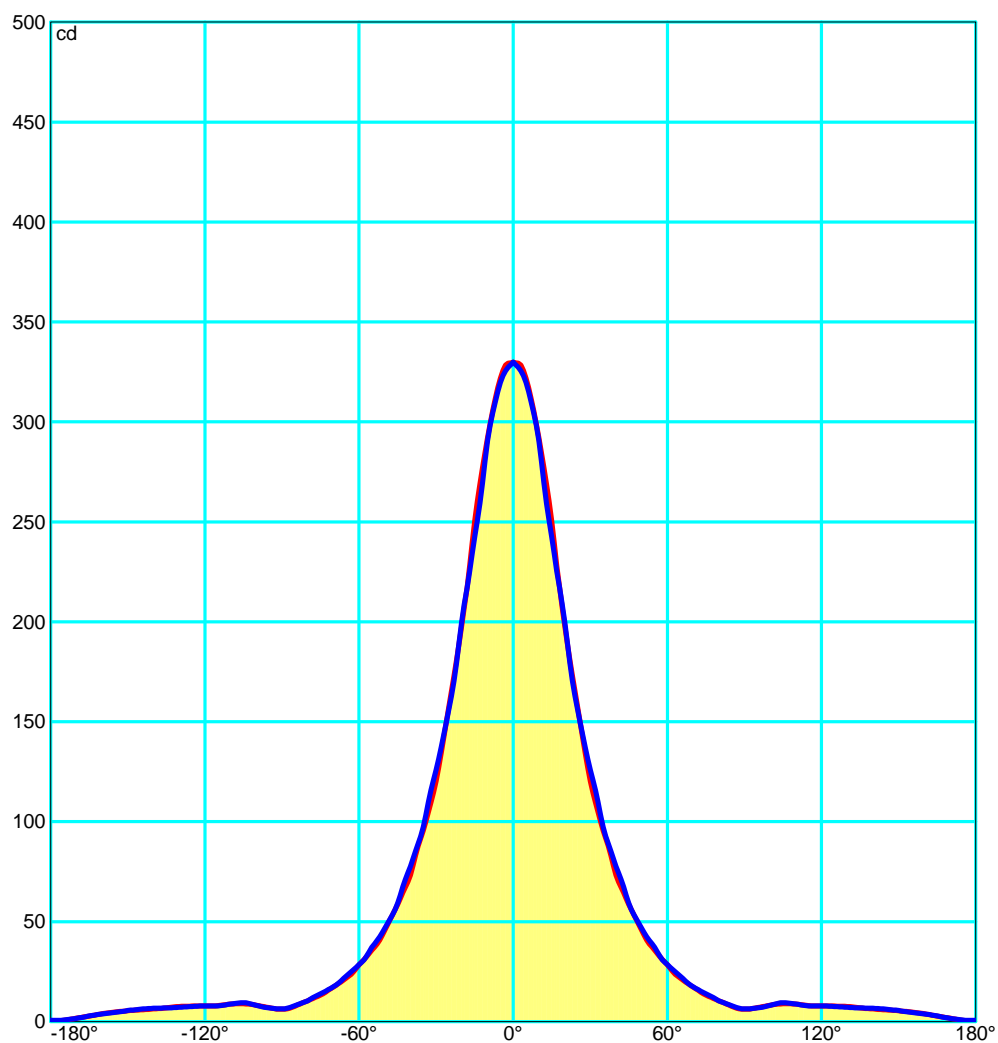
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**UGR**  
S = 0.250

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	11.1	12.1	11.6	12.5	12.9	11.3	12.3	11.7	12.6	13.1
x=2H y=3H	12.3	13.2	12.8	13.6	14.1	12.5	13.3	12.9	13.8	14.2
x=2H y=4H	12.9	13.7	13.4	14.2	14.7	13.1	13.9	13.6	14.4	14.9
x=2H y=6H	13.6	14.4	14.1	14.8	15.4	13.8	14.5	14.3	15.0	15.5
x=2H y=8H	14.0	14.7	14.5	15.2	15.7	14.1	14.9	14.7	15.3	15.9
x=2H y=12H	14.4	15.1	14.9	15.6	16.1	14.5	15.2	15.1	15.7	16.3
x=4H y=2H	11.6	12.5	12.1	12.9	13.4	11.8	12.6	12.3	13.0	13.5
x=4H y=3H	13.1	13.8	13.6	14.3	14.8	13.2	13.9	13.7	14.4	14.9
x=4H y=4H	13.8	14.5	14.4	15.0	15.6	14.0	14.6	14.6	15.1	15.7
x=4H y=6H	14.7	15.2	15.3	15.8	16.4	14.8	15.4	15.4	15.9	16.5
x=4H y=8H	15.2	15.7	15.8	16.2	16.9	15.3	15.8	15.9	16.4	17.0
x=4H y=12H	15.7	16.1	16.3	16.7	17.4	15.9	16.3	16.5	16.9	17.5
x=8H y=4H	14.2	14.7	14.8	15.3	15.9	14.3	14.8	14.9	15.4	16.0
x=8H y=6H	15.3	15.7	15.9	16.3	17.0	15.4	15.8	16.0	16.4	17.1
x=8H y=8H	15.9	16.3	16.6	16.9	17.6	16.0	16.4	16.7	17.0	17.7
x=8H y=12H	16.6	16.9	17.3	17.6	18.3	16.8	17.0	17.4	17.7	18.4
x=12H y=4H	14.3	14.7	14.9	15.3	15.9	14.4	14.8	15.0	15.4	16.1
x=12H y=6H	15.4	15.8	16.1	16.4	17.1	15.6	15.9	16.2	16.5	17.2
x=12H y=8H	16.2	16.4	16.8	17.1	17.8	16.3	16.5	16.9	17.2	17.9

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Name Guise**Measurem.**Code CL252A20F001G.E1  
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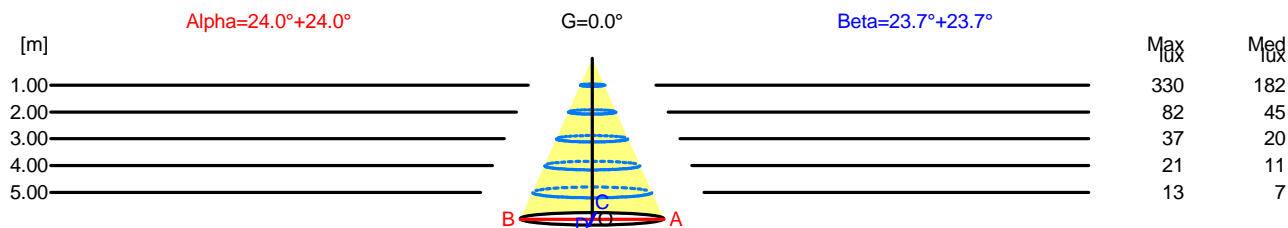
Luminaire Flux	398.74 lm	Luminaire Power	15.32 W	Efficacy	26.02 lm/W	Efficiency	100.00%
Sources Flux	398.74 lm	Maximum value	329.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.45	0.89	1.34	1.78	2.23	OC	0.44	0.88	1.32	1.76	2.20
OB	0.45	0.89	1.34	1.78	2.23	OD	0.44	0.88	1.32	1.76	2.20

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	329.76	321.90	250.72	157.55	95.62	58.59	35.66	21.73	13.21	7.62
OB	329.76	321.90	250.72	157.55	95.62	58.59	35.66	21.73	13.21	7.62
OC	329.76	319.74	242.77	156.18	97.25	59.17	37.09	22.74	13.89	7.99
OD	329.76	319.74	242.77	156.18	97.25	59.17	37.09	22.74	13.89	7.99



H[m]	D[m]	Max lux	Med lux	Alpha=24.0°+24.0°	G=0.0	
1.00	0.89	330	182			
2.00	1.78	82	45			
3.00	2.68	37	20			
4.00	3.57	21	11			
5.00	4.46	13	7			

H[m]	D[m]	Max lux	Med lux	Beta=23.7°+23.7°	G=0.0	
1.00	0.88	330	182			
2.00	1.76	82	45			
3.00	2.64	37	20			
4.00	3.52	21	11			
5.00	4.40	13	7			

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**Measurement**

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Flujo Total=398.74 Flujo Luminaria=398.74

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	0.47	0.54	0.60	0.66	0.70	0.77	0.82	0.85	0.88	0.90	0.95	0.98
RC	2	2	2	2	2	2	3	3	3	3	2	2

Flujo Zonal por 1000 Lúmenes

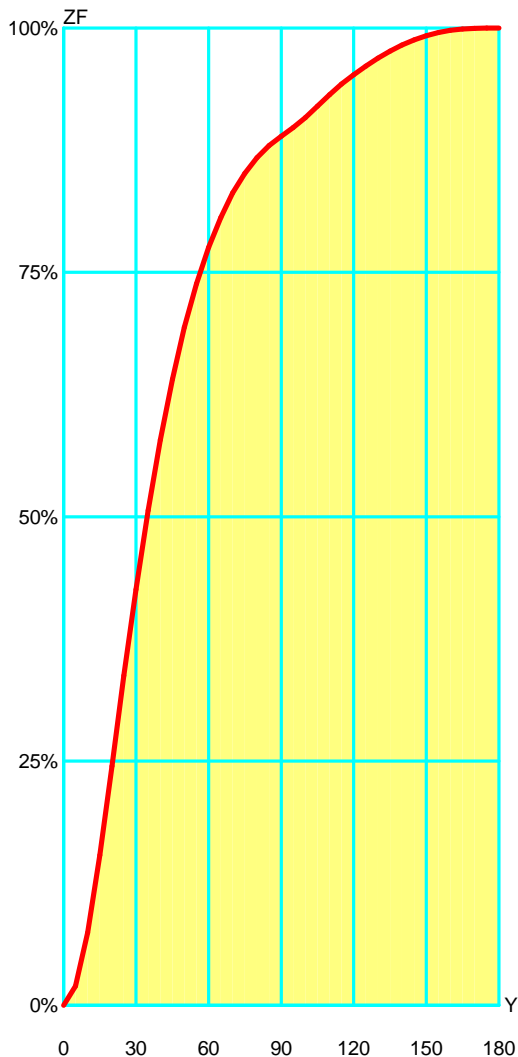
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	74	245	426	578	694	776	831	867	889	908	932	952	969	983	992	998	1000	1000

Códigos de Flujo C.I.E.

67 87 96 89 100

C.I.E. 2/2/2/2/2/3/3/3/2/2  
D DIN 5040 B51  
F UTE 0.89 C + 0.11 T  
B NBN BZ 2 / 2 / BZ 3  
RN 11.07081 %  
BLF 1.0

LOR 100.00000 %  
ULOR 11.07081 %  
DLOR 88.92919 %  
UFF 11.07081 %  
DFF 88.92919 %  
FFR 12.44901 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	19.51	19.51	1.95 %	1.95 %
10°	54.78	74.29	5.48 %	7.43 %
15°	79.45	153.74	7.95 %	15.37 %
20°	90.99	244.73	9.10 %	24.47 %
25°	92.61	337.33	9.26 %	33.73 %
30°	88.19	425.53	8.82 %	42.55 %
35°	80.80	506.33	8.08 %	50.63 %
40°	72.05	578.38	7.20 %	57.84 %
45°	62.33	640.71	6.23 %	64.07 %
50°	53.09	693.80	5.31 %	69.38 %
55°	44.65	738.44	4.46 %	73.84 %
60°	37.19	775.63	3.72 %	77.56 %
65°	30.57	806.20	3.06 %	80.62 %
70°	24.99	831.19	2.50 %	83.12 %
75°	20.19	851.38	2.02 %	85.14 %
80°	16.09	867.46	1.61 %	86.75 %
85°	12.42	879.89	1.24 %	87.99 %
90°	9.40	889.29	0.94 %	88.93 %
95°	8.95	898.24	0.89 %	89.82 %
100°	10.21	908.45	1.02 %	90.85 %
105°	11.71	920.16	1.17 %	92.02 %
110°	11.84	932.00	1.18 %	93.20 %
115°	10.73	942.74	1.07 %	94.27 %
120°	9.55	952.29	0.96 %	95.23 %
125°	8.87	961.16	0.89 %	96.12 %
130°	8.11	969.27	0.81 %	96.93 %
135°	7.20	976.47	0.72 %	97.65 %
140°	6.24	982.71	0.62 %	98.27 %
145°	5.29	988.00	0.53 %	98.80 %
150°	4.29	992.29	0.43 %	99.23 %
155°	3.22	995.51	0.32 %	99.55 %
160°	2.24	997.75	0.22 %	99.78 %
165°	1.35	999.10	0.13 %	99.91 %
170°	0.65	999.75	0.07 %	99.98 %
175°	0.21	999.97	0.02 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

