

Luminaire

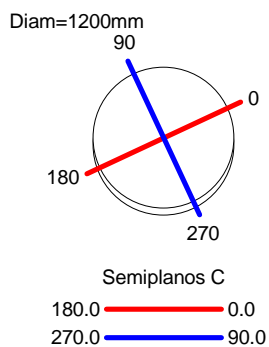
Code 4078XX/10
Name WIND LED

Measurem.

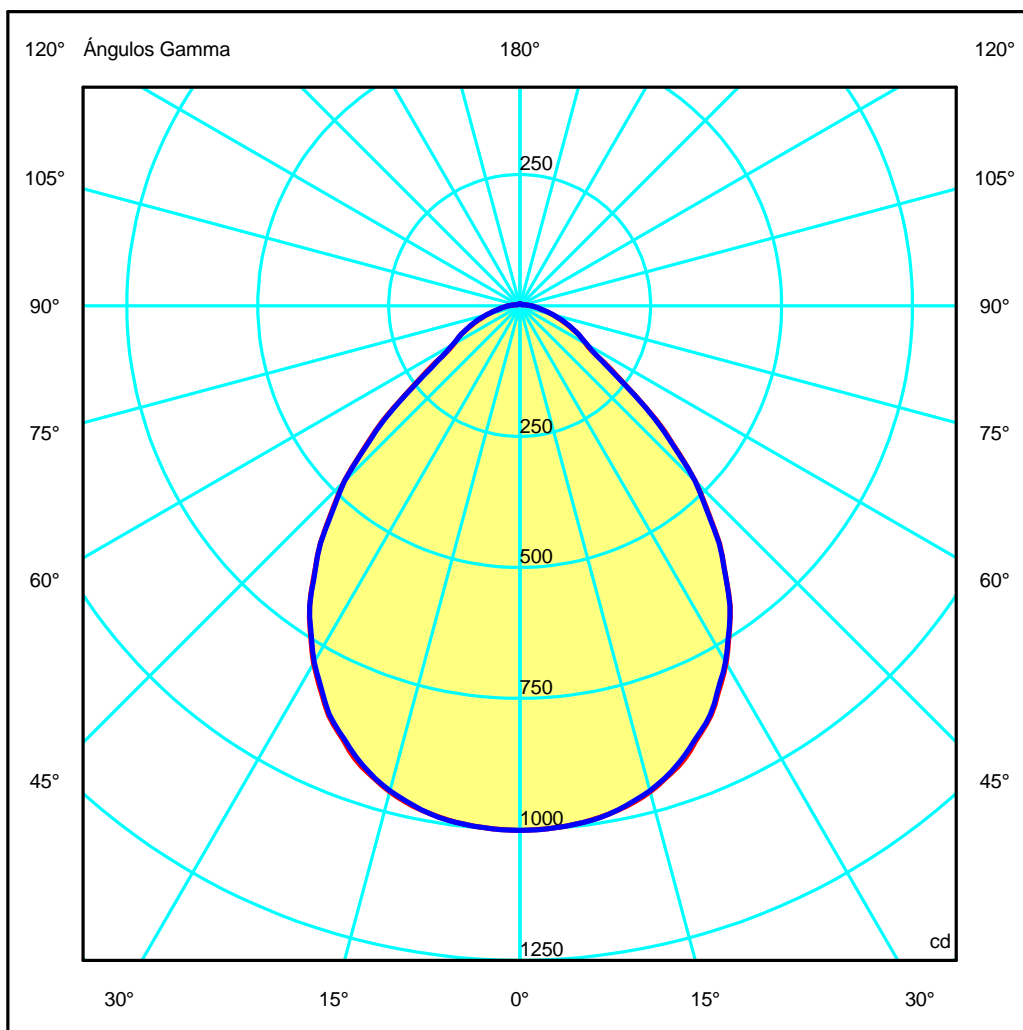
Code CL252A19F003G
Name 2700K CRI90

Luminaire Flux	2011.55 lm	Luminaire Power	66.60 W	Efficacy	30.20 lm/W	Efficiency	100.00%
Sources Flux	2011.55 lm	Maximum value	1001.86 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	1200 mm 1200 mm	Height Height	640 mm 600 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		1.130973 m2 0.720000 m2 0.720000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.720000 m2 0.720000 m2 0.972220 m2	
Coordinate system Date Measurement Distance		CG 23-05-2019 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 2011.55 lm	
Operator Temperature Humidity Notes		Asselum T2 24.50 °C 42.50 % RM19051303		Rated Voltage Rated Current Photocell		230.12 V 0.30 A Prc	

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
VERO 10. BXRC		1x 5752984		4x LED 14W 500mA		2011.55	66.60	1
C.I.E.	63 89 97 98 100			D DIN 5040	A51			
F UTE	0.98 C + 0.02 T			B NBN	BZ 3			



ULOR 1.83 %
DLOR 98.17 %
RN 1.83 %



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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	1002	1002	1002	1002	1002	1002	1002
G 2.5	1001	1001	1000	1001	1001	1001	1001
G 5.0	998	997	997	998	998	998	998
G 7.5	993	992	992	992	993	992	993
G 10.0	985	985	985	985	985	985	985
G 12.5	975	974	973	975	973	973	973
G 15.0	961	960	960	960	960	959	959
G 17.5	942	940	942	940	941	939	940
G 20.0	921	920	919	919	917	918	916
G 22.5	891	890	890	891	888	889	888
G 25.0	864	863	862	862	861	862	861
G 27.5	825	826	827	824	827	824	822
G 30.0	788	786	786	787	784	784	785
G 32.5	744	744	741	747	738	744	742
G 35.0	700	699	699	700	697	699	700
G 37.5	644	650	645	647	649	646	643
G 40.0	593	590	592	592	588	587	592
G 42.5	529	528	529	531	526	529	527
G 45.0	474	472	473	475	469	472	473
G 47.5	404	408	402	408	409	404	401
G 50.0	341	336	342	337	336	329	336
G 52.5	268	266	271	267	264	263	263
G 55.0	213	212	218	213	214	209	207
G 57.5	168	171	175	173	176	166	169
G 60.0	145	146	152	150	152	145	147
G 62.5	132	134	136	138	135	134	133
G 65.0	118	120	122	123	121	120	118
G 67.5	102	104	105	108	107	105	103
G 70.0	88	89	91	92	90	89	91
G 72.5	75	76	78	79	77	77	77
G 75.0	64	64	66	67	66	65	63
G 77.5	52	52	55	56	55	54	53
G 80.0	42	43	46	46	44	44	43
G 82.5	36	36	38	38	37	37	37
G 85.0	30	31	32	32	32	31	30
G 87.5	26	25	27	27	26	26	26
G 90.0	21	20	22	21	21	21	21
G 92.5	17	17	17	17	17	17	17
G 95.0	14	14	14	13	14	14	13
G 97.5	11	10	11	11	11	10	11
G100.0	8	8	8	8	8	8	8
G102.5	7	7	7	7	7	7	7
G105.0	6	6	6	6	6	6	6
G107.5	5	5	5	5	5	5	5
G110.0	5	5	5	4	5	5	5
G112.5	5	4	4	4	4	4	5
G115.0	4	4	4	4	4	4	4
G117.5	4	4	4	4	4	4	4
G120.0	4	4	4	4	4	4	4
G122.5	4	4	4	4	4	4	4
G125.0	4	4	4	3	4	4	4
G127.5	4	4	4	3	3	4	4
G130.0	4	4	4	3	3	4	4
G132.5	4	4	4	3	3	4	4
G135.0	4	4	3	3	3	4	4
G137.5	4	4	3	3	3	4	4
G140.0	4	4	3	3	3	4	4
G142.5	4	4	3	3	3	4	4
G145.0	4	4	3	3	3	4	4
G147.5	4	4	3	3	3	4	4
G150.0	4	4	3	3	3	3	4
G152.5	4	3	3	3	3	3	4
G155.0	4	3	3	3	3	3	4
G157.5	3	3	3	3	3	3	3
G160.0	3	3	3	3	3	3	3
G162.5	3	3	3	3	3	3	3
G165.0	3	3	3	3	3	3	3
G167.5	3	3	3	3	3	3	3
G170.0	3	3	3	3	3	3	3
G172.5	3	3	3	3	3	3	3
G175.0	3	3	3	3	3	3	3
G177.5	3	3	3	3	3	3	3
G180.0	3	3	3	3	3	3	3

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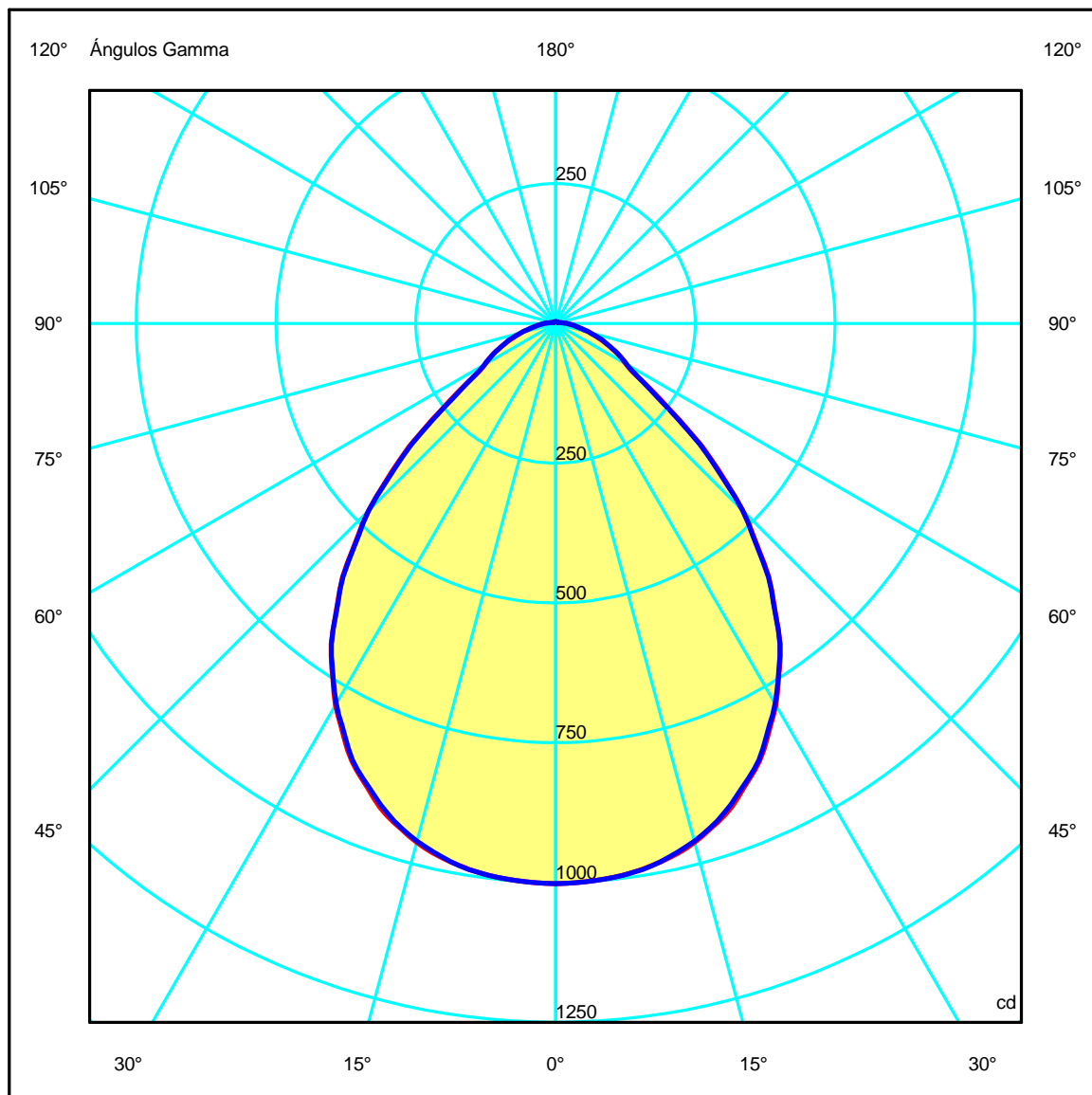
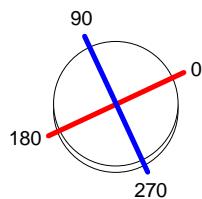
Luminaire Flux	2011.55 lm	Luminaire Power	66.60 W	Efficacy	30.20 lm/W	Efficiency	100.00%
Sources Flux	2011.55 lm	Maximum value	1001.86 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1200mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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Sources Flux	2011.55 lm	Maximum value	1001.86 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	5.9	7.0	6.3	7.3	7.5	5.9	7.0	6.2	7.2	7.5
x=2H y=3H	6.5	7.4	6.8	7.7	8.0	6.4	7.4	6.8	7.7	8.0
x=2H y=4H	6.7	7.6	7.0	7.9	8.2	6.6	7.6	7.0	7.9	8.2
x=2H y=6H	6.8	7.6	7.2	8.0	8.3	6.8	7.6	7.2	8.0	8.3
x=2H y=8H	6.8	7.6	7.2	8.0	8.3	6.8	7.6	7.2	8.0	8.3
x=2H y=12H	6.9	7.6	7.3	8.0	8.4	6.9	7.6	7.3	8.0	8.4
x=4H y=2H	6.2	7.1	6.5	7.4	7.7	6.1	7.1	6.5	7.4	7.7
x=4H y=3H	6.9	7.6	7.2	8.0	8.3	6.8	7.6	7.2	8.0	8.3
x=4H y=4H	7.2	7.8	7.6	8.2	8.6	7.1	7.8	7.6	8.2	8.6
x=4H y=6H	7.4	8.0	7.8	8.4	8.8	7.4	8.0	7.8	8.4	8.8
x=4H y=8H	7.5	8.0	7.9	8.4	8.9	7.5	8.0	7.9	8.4	8.9
x=4H y=12H	7.5	8.0	8.0	8.5	8.9	7.5	8.0	8.0	8.5	8.9
x=8H y=4H	7.3	7.8	7.7	8.2	8.7	7.3	7.8	7.7	8.2	8.7
x=8H y=6H	7.6	8.0	8.1	8.5	9.0	7.6	8.0	8.1	8.5	9.0
x=8H y=8H	7.7	8.1	8.3	8.6	9.1	7.7	8.1	8.2	8.6	9.1
x=8H y=12H	7.9	8.2	8.4	8.7	9.3	7.9	8.2	8.4	8.7	9.3
x=12H y=4H	7.3	7.8	7.7	8.2	8.7	7.3	7.7	7.7	8.2	8.7
x=12H y=6H	7.6	8.0	8.1	8.5	9.0	7.6	8.0	8.1	8.5	9.0
x=12H y=8H	7.8	8.1	8.3	8.6	9.2	7.8	8.1	8.3	8.6	9.2

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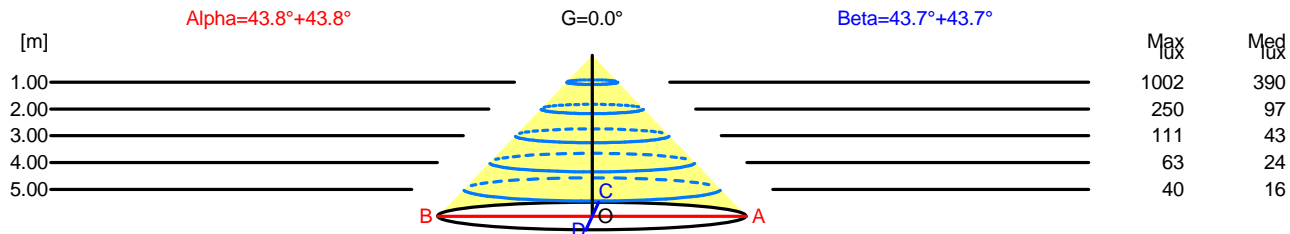
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Sources Flux	2011.55 lm	Maximum value	1001.86 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.96	1.92	2.88	3.84	4.80	OC	0.96	1.91	2.87	3.82	4.78
OB	0.96	1.92	2.88	3.84	4.80	OD	0.96	1.91	2.87	3.82	4.78

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1001.86	997.64	960.88	863.64	699.88	473.89	212.96	118.03	63.94	30.27
OB	1001.86	997.64	960.88	863.64	699.88	473.89	212.96	118.03	63.94	30.27
OC	1001.86	997.65	958.53	860.87	699.62	472.84	206.67	117.88	63.39	30.17
OD	1001.86	997.65	958.53	860.87	699.62	472.84	206.67	117.88	63.39	30.17



H[m]	D[m]	Max lux	Med lux	Alpha=43.8°+43.8°	G=0.0
1.00	1.92	1002	390		
2.00	3.84	250	97		
3.00	5.75	111	43		
4.00	7.67	63	24		
5.00	9.59	40	16		

H[m]	D[m]	Max lux	Med lux	Beta=43.7°+43.7°	G=0.0
1.00	1.91	1002	390		
2.00	3.82	250	97		
3.00	5.74	111	43		
4.00	7.65	63	24		
5.00	9.56	40	16		

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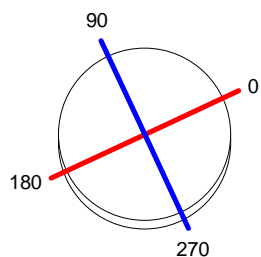
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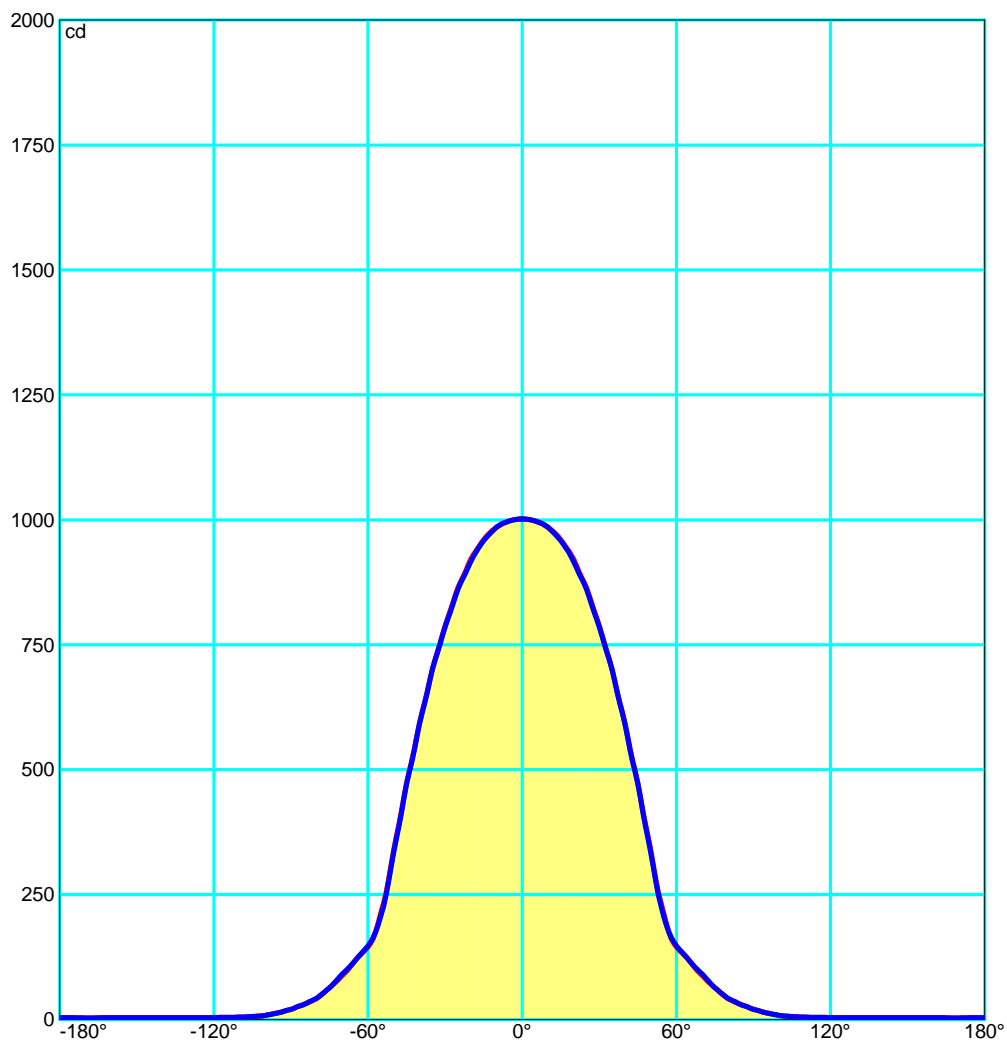
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Diam=1200mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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Flujo Total=2011.55 Flujo Luminaria=2011.55

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	0.43	0.51	0.58	0.64	0.69	0.77	0.81	0.84	0.88	0.90	0.95	0.97
RC	3	3	3	3	3	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

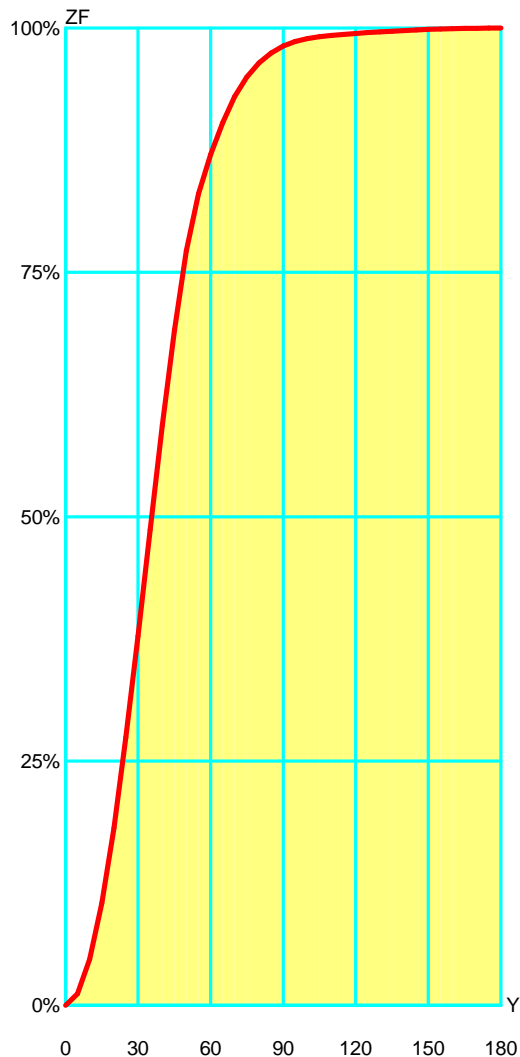
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	47	181	378	593	772	871	930	964	982	989	992	995	996	998	999	999	1000	1000

Códigos de Flujo C.I.E.

63 89 97 98 100

C.I.E. 3
D DIN 5040 A51
F UTE 0.98 C + 0.02 T
B NBN BZ 3
RN 1.83396 %
BLF 1.0

LOR 100.00000 %
ULOR 1.83396 %
DLOR 98.16604 %
UFF 1.83396 %
DFF 98.16604 %
FFR 1.86822 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.88	11.88	1.19 %	1.19 %
10°	35.26	47.14	3.53 %	4.71 %
15°	57.36	104.50	5.74 %	10.45 %
20°	76.94	181.44	7.69 %	18.14 %
25°	92.71	274.16	9.27 %	27.42 %
30°	103.64	377.80	10.36 %	37.78 %
35°	108.62	486.42	10.86 %	48.64 %
40°	106.97	593.40	10.70 %	59.34 %
45°	97.42	690.82	9.74 %	69.08 %
50°	81.22	772.04	8.12 %	77.20 %
55°	58.34	830.38	5.83 %	83.04 %
60°	40.42	870.80	4.04 %	87.08 %
65°	32.55	903.35	3.26 %	90.33 %
70°	26.49	929.84	2.65 %	92.98 %
75°	20.11	949.96	2.01 %	95.00 %
80°	14.49	964.45	1.45 %	96.44 %
85°	10.12	974.57	1.01 %	97.46 %
90°	7.09	981.66	0.71 %	98.17 %
95°	4.67	986.33	0.47 %	98.63 %
100°	2.91	989.24	0.29 %	98.92 %
105°	1.85	991.10	0.19 %	99.11 %
110°	1.35	992.45	0.13 %	99.24 %
115°	1.10	993.55	0.11 %	99.35 %
120°	0.95	994.50	0.10 %	99.45 %
125°	0.85	995.36	0.09 %	99.54 %
130°	0.78	996.14	0.08 %	99.61 %
135°	0.72	996.86	0.07 %	99.69 %
140°	0.65	997.51	0.06 %	99.75 %
145°	0.58	998.08	0.06 %	99.81 %
150°	0.50	998.59	0.05 %	99.86 %
155°	0.43	999.02	0.04 %	99.90 %
160°	0.35	999.37	0.04 %	99.94 %
165°	0.27	999.65	0.03 %	99.96 %
170°	0.19	999.84	0.02 %	99.98 %
175°	0.12	999.96	0.01 %	100.00 %
180°	0.04	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

