

Luminaire

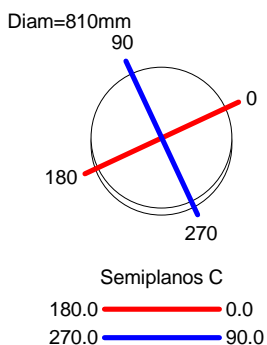
Code A698-001
Name BOHEMIA 84 LED GREEN

Measurem.

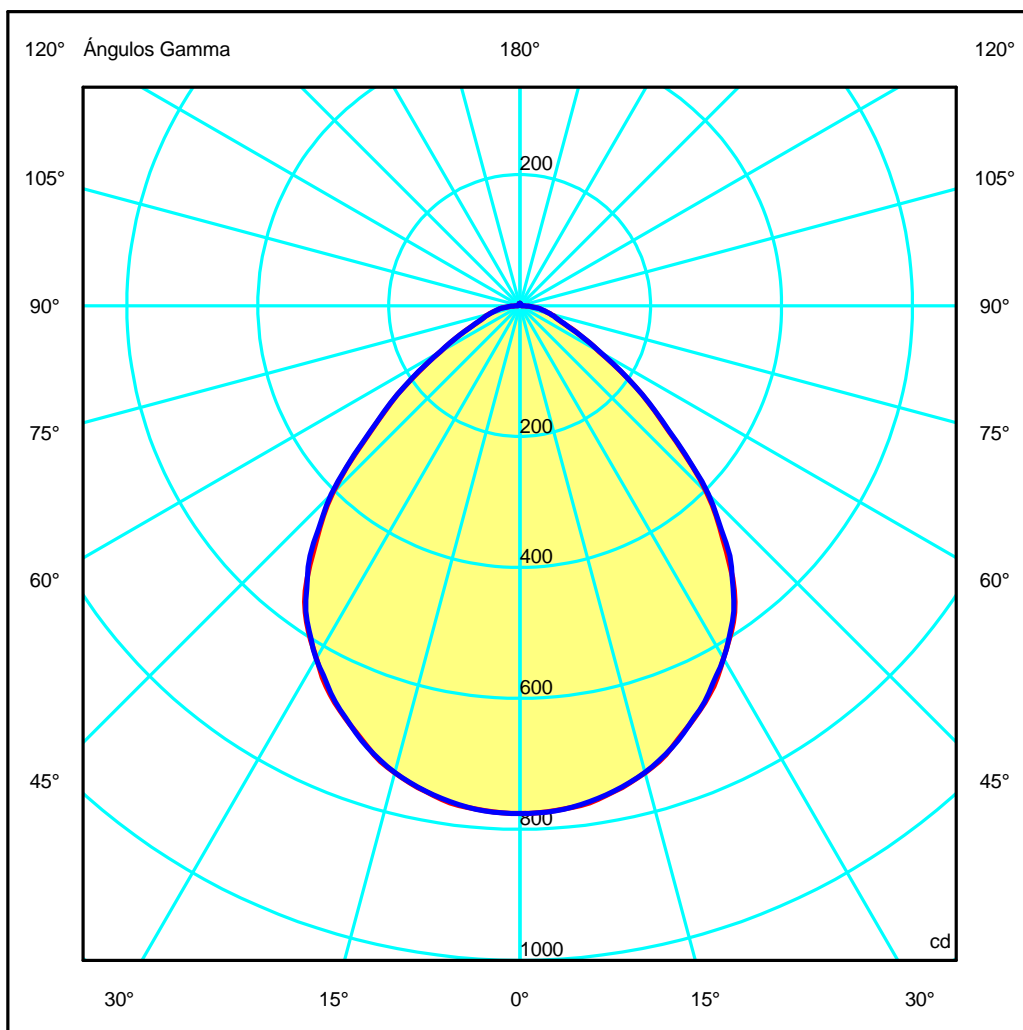
Code CL041A20F009G
Name BOHEMIA 84 LED GREEN

Luminaire Flux	1619.25 lm	Luminaire Power	26.59 W	Efficacy	60.89 lm/W	Efficiency	100.00%
Sources Flux	1619.25 lm	Maximum value	775.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	810 mm 600 mm	Height Height	370 mm 0 mm		
Horizontal Luminous Area		0.282743 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°		0.068402 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		27-04-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		1619.25 lm	
Operator		Asselum T2		Rated Voltage		230.15 V	
Temperature		24.50 °C		Rated Current		0.12 A	
Humidity		47.30 %		Photocell		Prc	
Notes		RM20030901					

Line	Code LED	Luminaire Lamps Name LED	Flux [lm] 1619.25	Pow. [W] 26.59	Q.ty 1
C.I.E. F UTE	61 90 98 99 100 0.99 C + 0.01 T	D DIN 5040 B NBN	A51 BZ 3		



ULOR 0.88 %
DLOR 99.12 %
RN 0.88 %



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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	776	776	776	776	776	776	776
G 2.5	775	775	775	775	775	775	775
G 5.0	772	772	772	772	772	772	772
G 7.5	768	766	766	767	767	767	766
G 10.0	760	759	759	759	759	759	759
G 12.5	750	749	749	749	749	749	749
G 15.0	738	737	737	737	738	738	738
G 17.5	725	721	723	723	724	724	724
G 20.0	705	706	707	706	705	706	707
G 22.5	687	688	687	687	686	686	687
G 25.0	669	666	667	668	667	667	667
G 27.5	648	644	645	646	646	646	644
G 30.0	622	623	625	621	620	620	623
G 32.5	598	596	598	596	596	595	596
G 35.0	572	567	569	569	570	567	570
G 37.5	537	531	534	531	537	534	534
G 40.0	491	495	495	492	490	488	499
G 42.5	448	448	449	448	450	448	451
G 45.0	404	398	401	401	406	403	408
G 47.5	349	348	350	350	354	351	352
G 50.0	296	302	302	300	297	297	298
G 52.5	253	254	253	255	255	255	256
G 55.0	215	209	210	214	216	217	216
G 57.5	174	175	175	177	174	177	176
G 60.0	140	144	141	143	141	141	141
G 62.5	115	115	114	116	115	117	116
G 65.0	94	92	92	93	94	96	93
G 67.5	75	76	76	75	75	75	76
G 70.0	63	64	63	63	63	62	63
G 72.5	56	55	55	55	55	55	55
G 75.0	48	46	46	47	47	47	47
G 77.5	40	40	40	39	39	39	40
G 80.0	34	33	34	33	34	33	34
G 82.5	26	25	25	25	26	25	26
G 85.0	17	17	17	17	17	17	16
G 87.5	8	10	10	9	8	8	9
G 90.0	3	4	3	4	3	4	3
G 92.5	2	2	2	2	2	2	2
G 95.0	2	2	2	2	2	2	2
G 97.5	2	2	2	2	2	2	2
G100.0	2	2	2	2	2	2	2
G102.5	2	2	2	2	2	2	2
G105.0	2	2	2	2	2	2	2
G107.5	2	2	2	2	2	2	2
G110.0	2	2	2	2	2	2	2
G112.5	2	2	2	2	2	2	2
G115.0	2	2	2	2	2	2	2
G117.5	2	2	2	2	2	2	2
G120.0	2	2	2	2	2	2	2
G122.5	2	2	2	2	2	2	2
G125.0	2	2	2	2	2	2	2
G127.5	2	2	2	2	2	2	2
G130.0	2	2	2	2	2	2	2
G132.5	2	2	2	2	2	2	2
G135.0	2	2	2	2	2	2	2
G137.5	2	2	2	2	2	2	2
G140.0	2	2	2	2	2	2	2
G142.5	2	2	2	2	2	2	2
G145.0	2	2	2	2	2	2	2
G147.5	2	2	2	3	3	3	3
G150.0	3	3	3	3	3	3	3
G152.5	3	3	3	3	3	3	3
G155.0	3	3	3	3	3	3	3
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	4	3	3	3	3	3	3
G175.0	4	4	3	3	3	3	3
G177.5	4	4	4	3	3	4	4
G180.0	4	4	4	4	4	4	4

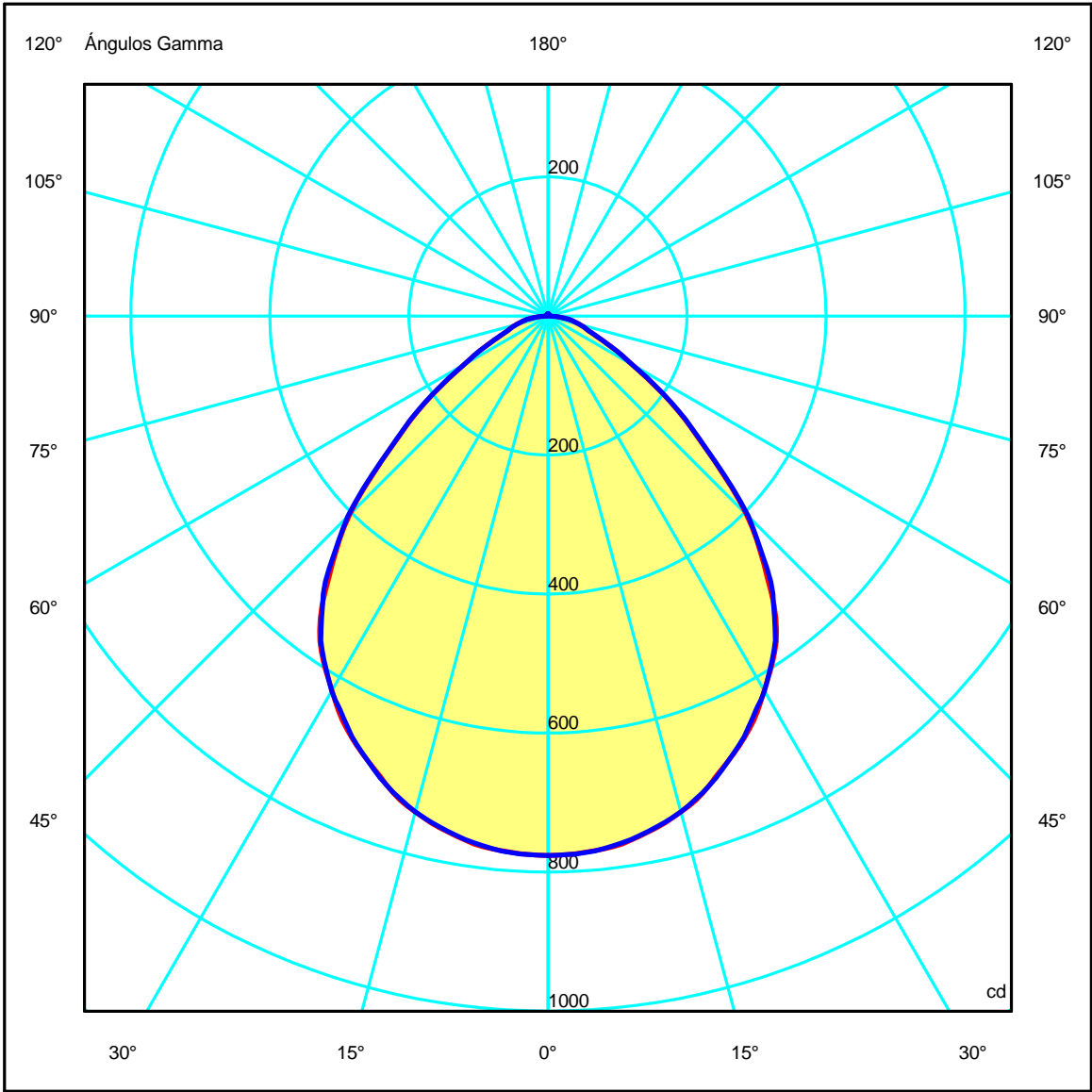
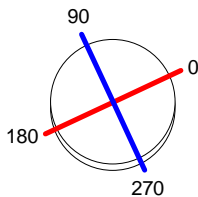
Luminaire
Code A698-001
Name BOHEMIA 84 LED GREEN
Measurerm.
Code CL041A20F009G
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Luminaire Flux	1619.25 lm	Luminaire Power	26.59 W	Efficacy	60.89 lm/W	Efficiency	100.00%
Sources Flux	1619.25 lm	Maximum value	775.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=810mm

Semiplanos C

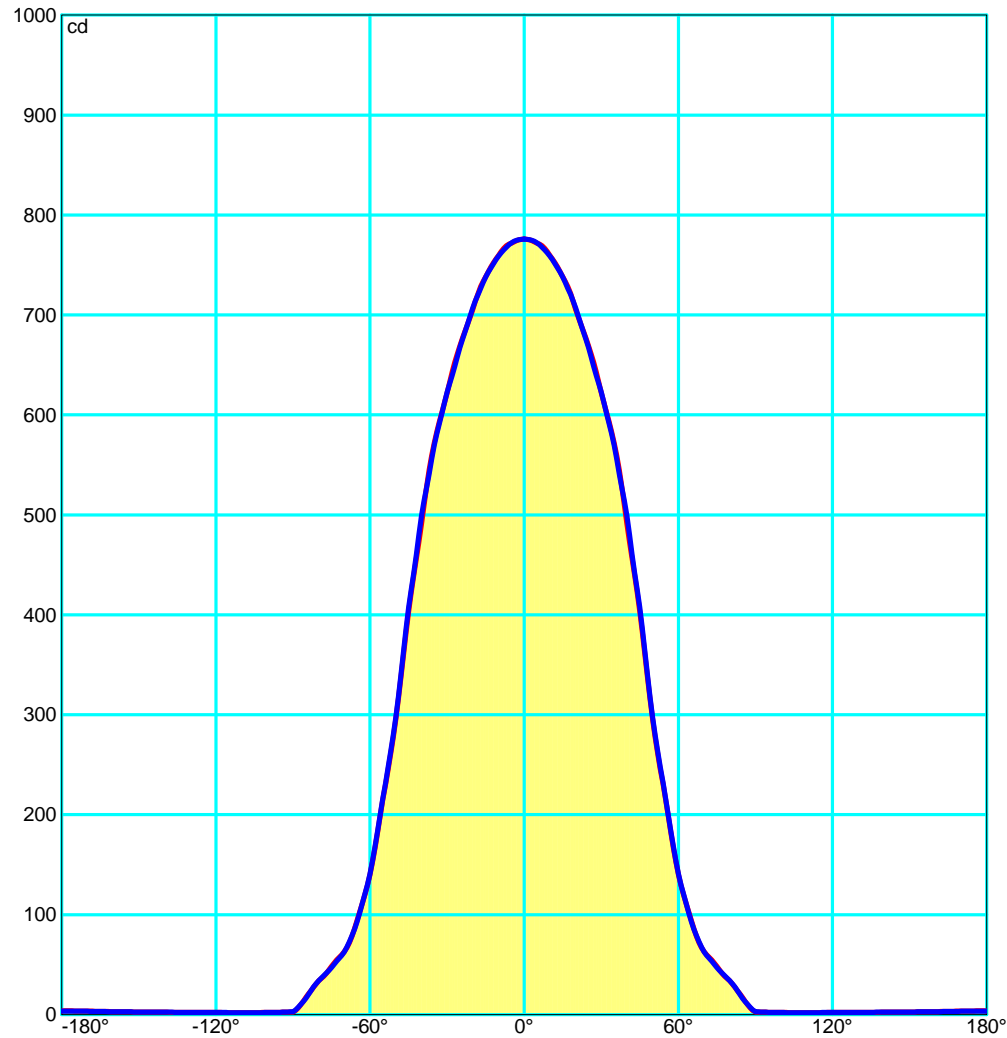
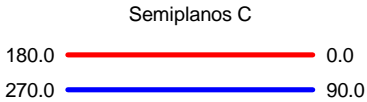
180.0 ————— 0.0
270.0 ————— 90.0



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Sources Flux	1619.25 lm	Maximum value	775.76 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	12.7	13.8	13.0	14.1	14.3	12.7	13.9	13.0	14.1	14.3
x=2H y=3H	13.2	14.2	13.5	14.5	14.8	13.2	14.2	13.6	14.5	14.8
x=2H y=4H	13.5	14.4	13.8	14.7	15.0	13.5	14.4	13.8	14.7	15.0
x=2H y=6H	13.8	14.6	14.1	14.9	15.2	13.8	14.6	14.1	14.9	15.3
x=2H y=8H	13.9	14.7	14.3	15.0	15.4	13.9	14.7	14.3	15.1	15.4
x=2H y=12H	14.0	14.8	14.4	15.1	15.5	14.0	14.8	14.4	15.1	15.5
x=4H y=2H	13.0	13.9	13.3	14.2	14.5	13.0	13.9	13.4	14.2	14.5
x=4H y=3H	13.7	14.4	14.0	14.8	15.1	13.7	14.5	14.1	14.8	15.1
x=4H y=4H	14.0	14.7	14.4	15.1	15.5	14.1	14.8	14.5	15.1	15.5
x=4H y=6H	14.5	15.1	14.9	15.5	15.9	14.5	15.1	14.9	15.5	15.9
x=4H y=8H	14.7	15.2	15.1	15.6	16.1	14.7	15.2	15.1	15.6	16.1
x=4H y=12H	14.8	15.3	15.3	15.7	16.2	14.8	15.3	15.3	15.8	16.2
x=8H y=4H	14.2	14.8	14.6	15.2	15.6	14.2	14.8	14.7	15.2	15.6
x=8H y=6H	14.8	15.2	15.3	15.7	16.1	14.8	15.2	15.3	15.7	16.1
x=8H y=8H	15.1	15.4	15.5	15.9	16.4	15.1	15.5	15.6	15.9	16.4
x=8H y=12H	15.3	15.6	15.8	16.1	16.6	15.3	15.7	15.8	16.1	16.7
x=12H y=4H	14.2	14.7	14.7	15.1	15.6	14.2	14.7	14.7	15.2	15.6
x=12H y=6H	14.8	15.2	15.3	15.7	16.2	14.8	15.2	15.3	15.7	16.2
x=12H y=8H	15.2	15.5	15.7	16.0	16.5	15.2	15.5	15.7	16.0	16.5

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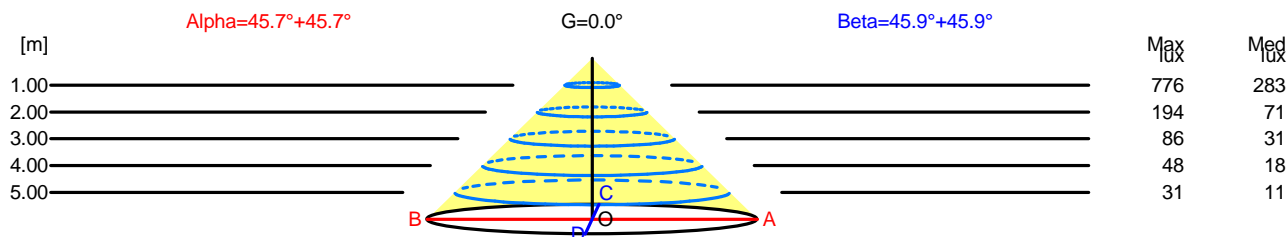
Luminaire Flux	1619.25 lm	Luminaire Power	26.59 W	Efficacy	60.89 lm/W	Efficiency	100.00%
Sources Flux	1619.25 lm	Maximum value	775.76 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	1.03	2.05	3.08	4.11	5.13	OC	1.03	2.07	3.10	4.13	5.17
OB	1.03	2.05	3.08	4.11	5.13	OD	1.03	2.07	3.10	4.13	5.17

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	775.76	771.83	738.46	668.97	571.99	403.54	214.85	94.37	48.28	17.19
OB	775.76	771.83	738.46	668.97	571.99	403.54	214.85	94.37	48.28	17.19
OC	775.76	772.13	738.20	667.46	569.75	407.55	215.83	93.12	47.12	16.29
OD	775.76	772.13	738.20	667.46	569.75	407.55	215.83	93.12	47.12	16.29



H[m]	D[m]	Max lux	Med lux	Alpha=45.7°+45.7°	G=0.0
1.00	2.05	776	283		
2.00	4.11	194	71		
3.00	6.16	86	31		
4.00	8.21	48	18		
5.00	10.26	31	11		

H[m]	D[m]	Max lux	Med lux	Beta=45.9°+45.9°	G=0.0
1.00	2.07	776	283		
2.00	4.13	194	71		
3.00	6.20	86	31		
4.00	8.27	48	18		
5.00	10.33	31	11		

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Flujo Total=1619.25 Flujo Luminaria=1619.25

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	0.41	0.50	0.57	0.64	0.69	0.76	0.81	0.84	0.88	0.90	0.94	0.97
RC	3	3	3	3	3	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

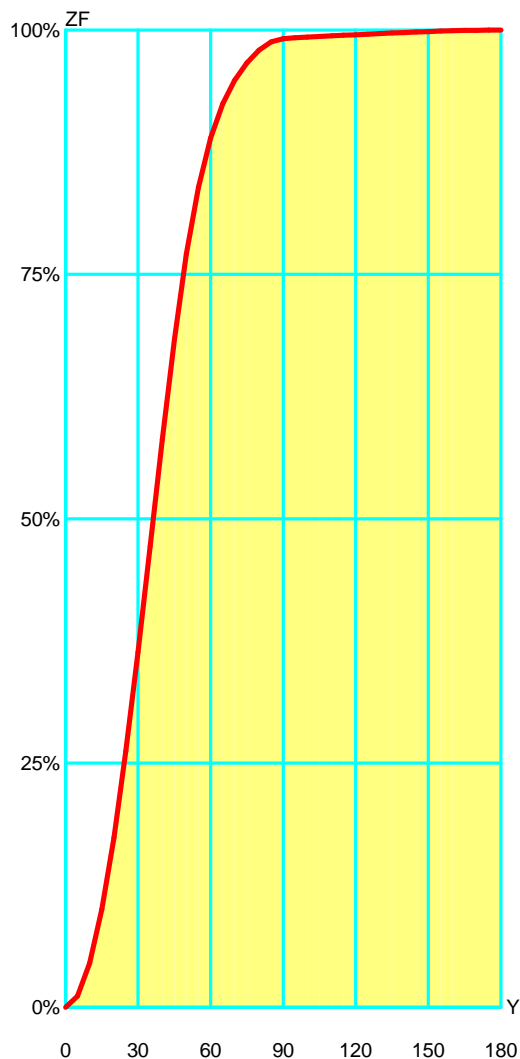
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	45	174	363	581	771	890	949	979	991	993	994	995	996	998	999	999	1000	1000

Códigos de Flujo C.I.E.

61 90 98 99 100

C.I.E. 3
D DIN 5040 A51
F UTE 0.99 C + 0.01 T
B NBN BZ 3
RN 0.88160 %
BLF 1.0

LOR 100.00000 %
ULOR 0.88160 %
DLOR 99.11840 %
UFF 0.88160 %
DFF 99.11840 %
FFR 0.88945 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.43	11.43	1.14 %	1.14 %
10°	33.82	45.25	3.38 %	4.53 %
15°	54.82	100.07	5.48 %	10.01 %
20°	73.50	173.56	7.35 %	17.36 %
25°	88.90	262.46	8.89 %	26.25 %
30°	100.77	363.23	10.08 %	36.32 %
35°	108.30	471.53	10.83 %	47.15 %
40°	109.57	581.11	10.96 %	58.11 %
45°	102.37	683.48	10.24 %	68.35 %
50°	87.40	770.88	8.74 %	77.09 %
55°	68.47	839.34	6.85 %	83.93 %
60°	50.34	889.68	5.03 %	88.97 %
65°	34.91	924.60	3.49 %	92.46 %
70°	23.98	948.58	2.40 %	94.86 %
75°	17.74	966.32	1.77 %	96.63 %
80°	13.17	979.49	1.32 %	97.95 %
85°	8.47	987.96	0.85 %	98.80 %
90°	3.22	991.18	0.32 %	99.12 %
95°	0.89	992.07	0.09 %	99.21 %
100°	0.74	992.81	0.07 %	99.28 %
105°	0.66	993.47	0.07 %	99.35 %
110°	0.60	994.06	0.06 %	99.41 %
115°	0.59	994.65	0.06 %	99.47 %
120°	0.60	995.25	0.06 %	99.53 %
125°	0.60	995.86	0.06 %	99.59 %
130°	0.59	996.45	0.06 %	99.64 %
135°	0.57	997.01	0.06 %	99.70 %
140°	0.54	997.55	0.05 %	99.76 %
145°	0.50	998.05	0.05 %	99.80 %
150°	0.45	998.50	0.05 %	99.85 %
155°	0.41	998.91	0.04 %	99.89 %
160°	0.36	999.27	0.04 %	99.93 %
165°	0.30	999.57	0.03 %	99.96 %
170°	0.23	999.80	0.02 %	99.98 %
175°	0.15	999.95	0.01 %	99.99 %
180°	0.05	1000.00	0.01 %	100.00 %

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Isolux (Floor)

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

