

Luminaire

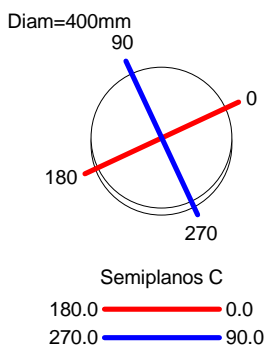
Code 5776
Name Tempo

Measurem.

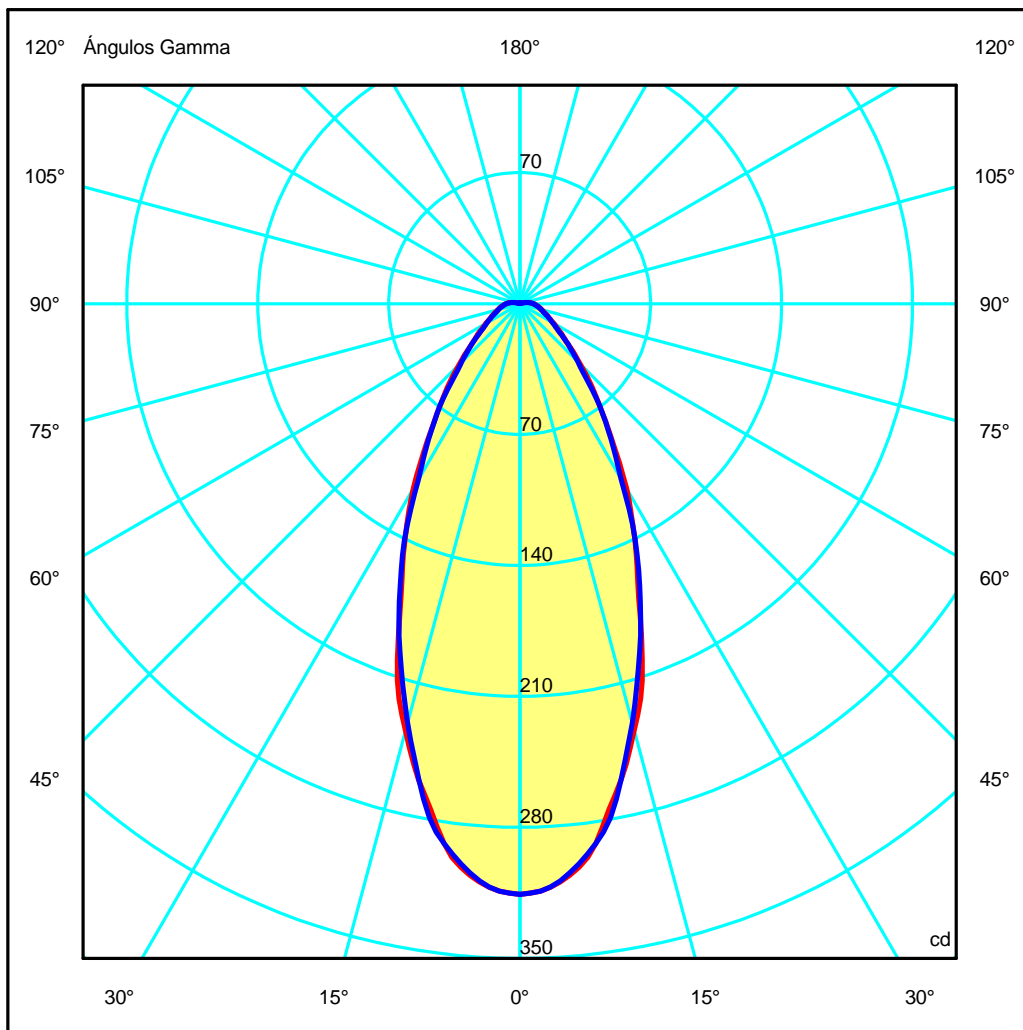
Code CL252A18F012G.V1
Name 2700K CRI 90

Luminaire Flux	317.77 lm	Luminaire Power	5.52 W	Efficacy	57.61 lm/W	Efficiency	100.00%
Sources Flux	317.77 lm	Maximum value	315.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	400 mm	Height	80 mm		
Round Luminous Area		Diam.	80 mm	Height	65 mm		
Horizontal Luminous Area		0.005027 m2		Emitting area on Plane 180°		0.005200 m2	
Emitting area on Plane 0°		0.005200 m2		Emitting area on Plane 270°		0.005200 m2	
Emitting area on Plane 90°		0.005200 m2		Glare area at 76°		0.006262 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		05-07-2018		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		317.77 lm	
Operator		Asselum T2		Rated Voltage		230.20 V	
Temperature		25.10 °C		Rated Current		0.03 A	
Humidity		56.30 %		Photocell		Prc	
Notes		RM18070501.2					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
CREE XHP50B-00-0000-0D0UG227H		1x 5750134		1x LED 4W 350mA		317.77	5.52	1
C.I.E.	71 87 95 97 100			D DIN 5040		A61		
F UTE	0.97 B + 0.03 T			B NBN		BZ 1 / 0.6 / BZ 2 / 2.5 / BZ 3		



ULOR 2.93 %
DLOR 97.07 %
RN 2.93 %



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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	316	316	316	316	316	316	316
G 2.5	313	314	312	313	312	313	313
G 5.0	307	304	304	305	305	305	305
G 7.5	295	292	292	293	293	293	294
G 10.0	275	275	276	275	278	274	279
G 12.5	256	255	256	256	256	255	255
G 15.0	236	235	232	232	233	234	232
G 17.5	217	210	209	209	210	210	209
G 20.0	190	188	188	187	188	187	189
G 22.5	165	166	169	167	168	164	168
G 25.0	147	144	147	147	147	143	148
G 27.5	130	127	126	125	128	126	129
G 30.0	114	110	110	110	109	109	108
G 32.5	97	94	95	94	95	93	95
G 35.0	83	82	83	83	83	80	82
G 37.5	71	69	71	71	72	69	71
G 40.0	62	60	61	61	61	59	60
G 42.5	54	52	52	52	51	51	50
G 45.0	46	44	45	45	45	44	44
G 47.5	39	39	39	39	39	38	38
G 50.0	34	33	34	34	34	33	34
G 52.5	30	29	29	29	29	29	29
G 55.0	26	26	26	26	26	25	25
G 57.5	23	23	23	23	23	22	22
G 60.0	21	20	21	21	21	20	20
G 62.5	18	18	19	19	19	18	18
G 65.0	17	17	17	17	17	16	17
G 67.5	16	15	15	15	15	15	15
G 70.0	14	14	14	14	14	14	14
G 72.5	13	13	13	13	13	13	13
G 75.0	12	12	12	12	12	12	12
G 77.5	11	11	11	11	11	11	11
G 80.0	10	10	10	10	10	10	10
G 82.5	10	9	9	9	9	9	9
G 85.0	9	9	9	9	9	8	8
G 87.5	8	8	8	8	8	8	8
G 90.0	7	7	7	7	7	7	7
G 92.5	6	6	6	6	6	6	6
G 95.0	6	6	6	6	5	5	5
G 97.5	5	5	5	5	5	5	5
G100.0	4	4	4	4	4	4	4
G102.5	3	3	3	3	3	3	3
G105.0	2	1	2	2	1	1	2
G107.5	1	0	1	0	1	1	1
G110.0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0
G115.0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0
G167.5	1	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	1	0	1	0	0	0	0
G175.0	1	0	1	0	0	0	1
G177.5	1	0	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

Luminaire

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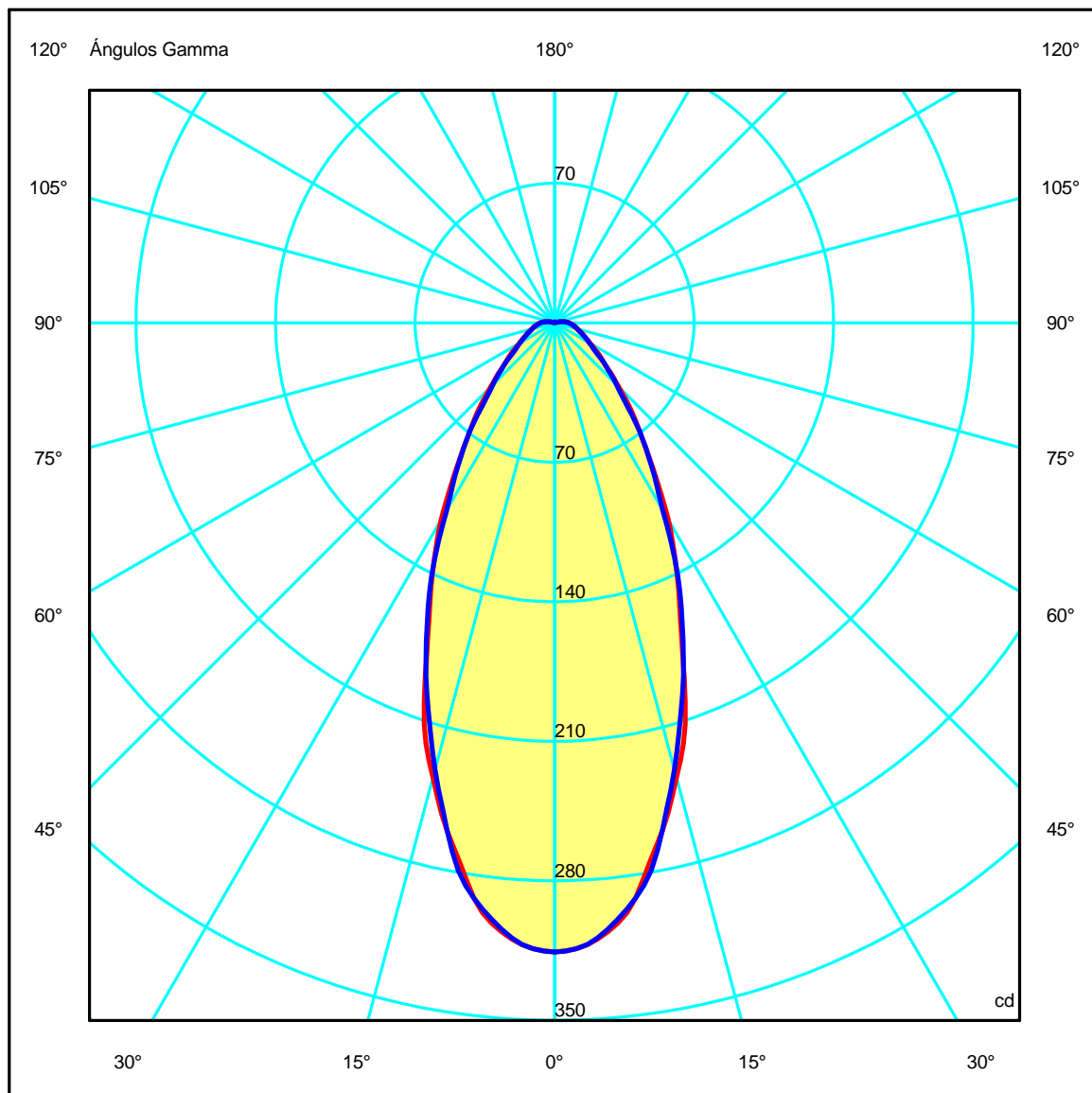
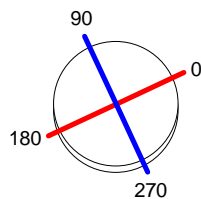
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Sources Flux	317.77 lm	Maximum value	315.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



Luminaire

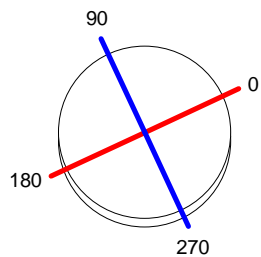
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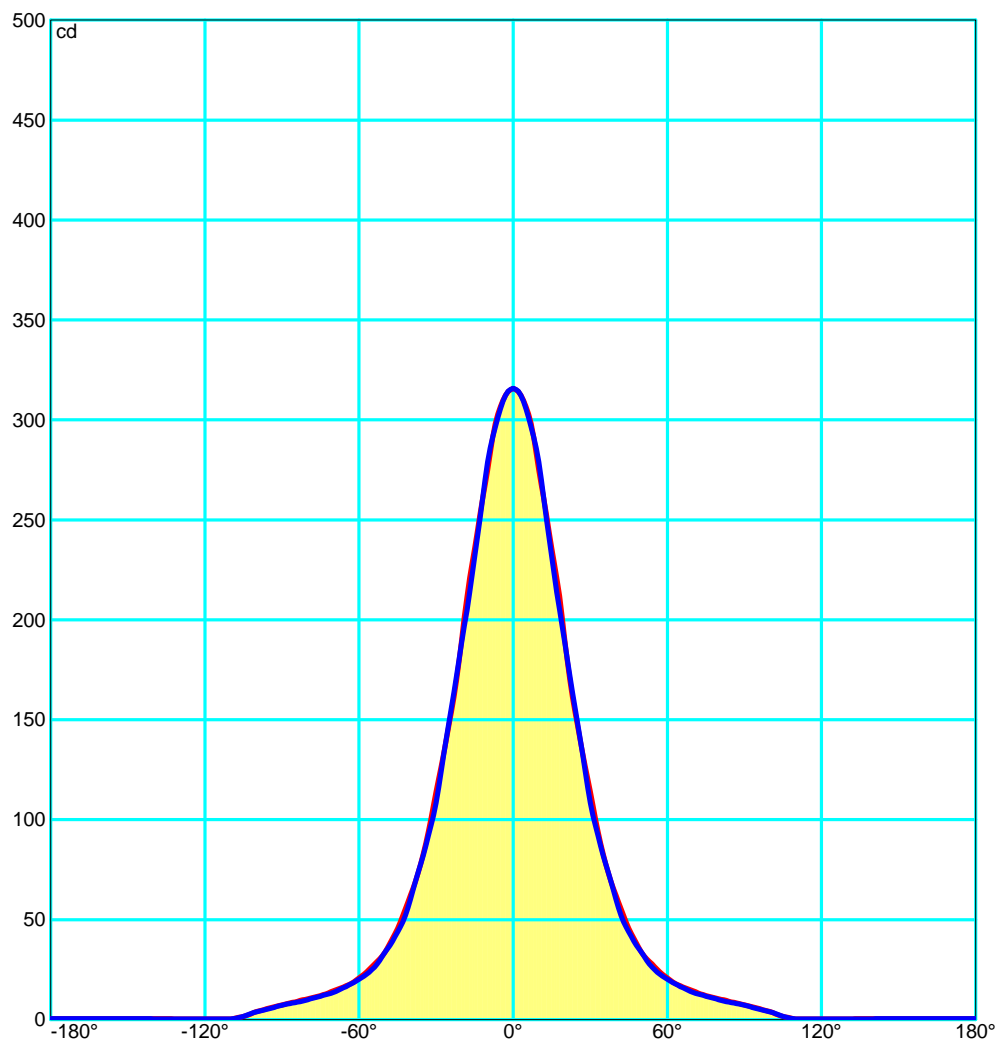
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Sources Flux	317.77 lm	Maximum value	315.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	15.3	16.3	15.6	16.5	16.8	15.2	16.2	15.5	16.4	16.7
x=2H y=3H	16.1	17.0	16.5	17.3	17.6	16.0	16.9	16.3	17.2	17.5
x=2H y=4H	16.6	17.4	16.9	17.7	18.1	16.4	17.3	16.8	17.6	18.0
x=2H y=6H	17.0	17.8	17.4	18.2	18.5	16.9	17.7	17.3	18.0	18.4
x=2H y=8H	17.3	18.0	17.7	18.4	18.8	17.1	17.9	17.5	18.2	18.6
x=2H y=12H	17.5	18.2	17.9	18.6	19.0	17.3	18.1	17.7	18.4	18.8
x=4H y=2H	15.6	16.5	16.0	16.8	17.1	15.5	16.4	15.9	16.7	17.0
x=4H y=3H	16.7	17.4	17.1	17.8	18.2	16.6	17.3	17.0	17.7	18.1
x=4H y=4H	17.3	17.9	17.7	18.3	18.8	17.2	17.8	17.6	18.2	18.6
x=4H y=6H	17.9	18.5	18.4	18.9	19.4	17.8	18.4	18.3	18.8	19.3
x=4H y=8H	18.3	18.8	18.7	19.2	19.7	18.1	18.6	18.6	19.1	19.6
x=4H y=12H	18.6	19.1	19.1	19.5	20.0	18.4	18.9	18.9	19.3	19.8
x=8H y=4H	17.6	18.1	18.1	18.5	19.0	17.5	18.0	18.0	18.4	18.9
x=8H y=6H	18.4	18.8	18.9	19.3	19.8	18.3	18.7	18.8	19.2	19.7
x=8H y=8H	18.8	19.2	19.4	19.7	20.2	18.7	19.1	19.2	19.6	20.1
x=8H y=12H	19.3	19.6	19.8	20.1	20.7	19.1	19.5	19.7	20.0	20.6
x=12H y=4H	17.6	18.1	18.1	18.5	19.0	17.5	18.0	18.0	18.4	18.9
x=12H y=6H	18.5	18.9	19.0	19.4	19.9	18.4	18.8	18.9	19.3	19.8
x=12H y=8H	19.0	19.3	19.5	19.8	20.4	18.9	19.2	19.4	19.7	20.3

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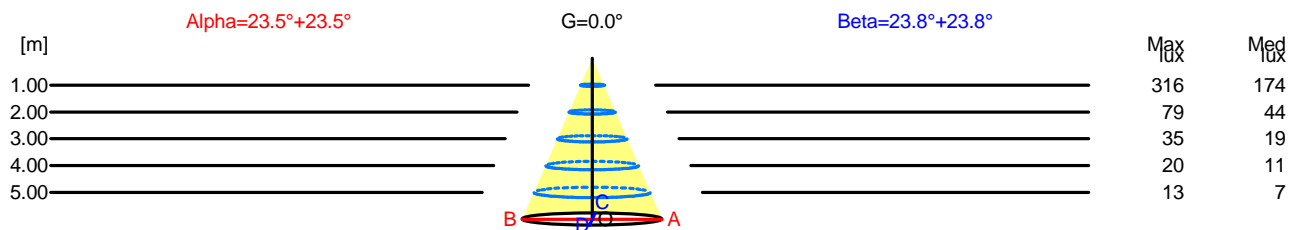
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Sources Flux	317.77 lm	Maximum value	315.71 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.43	0.87	1.30	1.74	2.17	OC	0.44	0.88	1.32	1.76	2.20
OB	0.43	0.87	1.30	1.74	2.17	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	315.71	306.61	236.10	147.12	82.94	45.60	26.45	16.91	12.02	8.80
OB	315.71	306.61	236.10	147.12	82.94	45.60	26.45	16.91	12.02	8.80
OC	315.71	305.45	232.07	148.34	82.13	43.90	24.90	16.53	11.72	8.47
OD	315.71	305.45	232.07	148.34	82.13	43.90	24.90	16.53	11.72	8.47



H[m]	D[m]	Max lux	Med lux	Alpha=23.5°+23.5°	G=0.0	
1.00	0.87	316	174			
2.00	1.74	79	44			
3.00	2.61	35	19			
4.00	3.48	20	11			
5.00	4.34	13	7			

H[m]	D[m]	Max lux	Med lux	Beta=23.8°+23.8°	G=0.0	
1.00	0.88	316	174			
2.00	1.76	79	44			
3.00	2.64	35	19			
4.00	3.52	20	11			
5.00	4.40	13	7			

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Flujo Total=317.77 Flujo Luminaria=317.77

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	0.50	0.56	0.62	0.68	0.72	0.78	0.82	0.85	0.89	0.91	0.95	0.98
RC	2	2	2	2	2	2	2	2	2	2	2	2

Flujo Zonal por 1000 Lúmenes

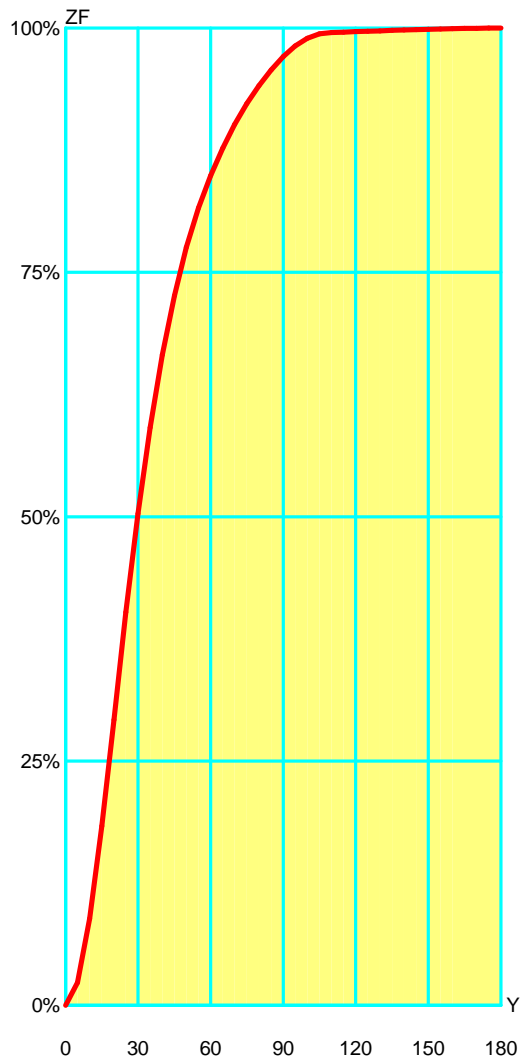
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	89	292	503	666	776	849	902	941	971	990	995	996	997	998	999	999	1000	1000

Códigos de Flujo C.I.E.

71 87 95 97 100

C.I.E. 2
D DIN 5040 A61
F UTE 0.97 B + 0.03 T
B NBN BZ 1 / 0.6 / BZ 2 / 2.5 / BZ 3
RN 2.92844 %
BLF 1.0

LOR 100.00000 %
ULOR 2.92844 %
DLOR 97.07156 %
UFF 2.92844 %
DFF 97.07156 %
FFR 3.01678 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	23.34	23.34	2.33 %	2.33 %
10°	65.39	88.74	6.54 %	8.87 %
15°	94.84	183.57	9.48 %	18.36 %
20°	108.67	292.24	10.87 %	29.22 %
25°	109.83	402.07	10.98 %	40.21 %
30°	101.16	503.23	10.12 %	50.32 %
35°	88.14	591.37	8.81 %	59.14 %
40°	74.33	665.70	7.43 %	66.57 %
45°	60.54	726.24	6.05 %	72.62 %
50°	49.34	775.58	4.93 %	77.56 %
55°	40.21	815.79	4.02 %	81.58 %
60°	33.26	849.04	3.33 %	84.90 %
65°	28.24	877.29	2.82 %	87.73 %
70°	24.26	901.55	2.43 %	90.15 %
75°	21.10	922.65	2.11 %	92.27 %
80°	18.46	941.11	1.85 %	94.11 %
85°	15.96	957.07	1.60 %	95.71 %
90°	13.65	970.72	1.36 %	97.07 %
95°	10.97	981.69	1.10 %	98.17 %
100°	8.00	989.68	0.80 %	98.97 %
105°	4.57	994.25	0.46 %	99.43 %
110°	1.24	995.49	0.12 %	99.55 %
115°	0.43	995.92	0.04 %	99.59 %
120°	0.43	996.34	0.04 %	99.63 %
125°	0.43	996.77	0.04 %	99.68 %
130°	0.43	997.20	0.04 %	99.72 %
135°	0.42	997.62	0.04 %	99.76 %
140°	0.42	998.04	0.04 %	99.80 %
145°	0.40	998.44	0.04 %	99.84 %
150°	0.37	998.81	0.04 %	99.88 %
155°	0.33	999.14	0.03 %	99.91 %
160°	0.29	999.43	0.03 %	99.94 %
165°	0.24	999.67	0.02 %	99.97 %
170°	0.18	999.85	0.02 %	99.99 %
175°	0.11	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

