

Luminaire

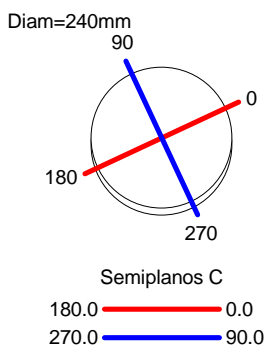
Code 5762
Name Tempo

Measurem.

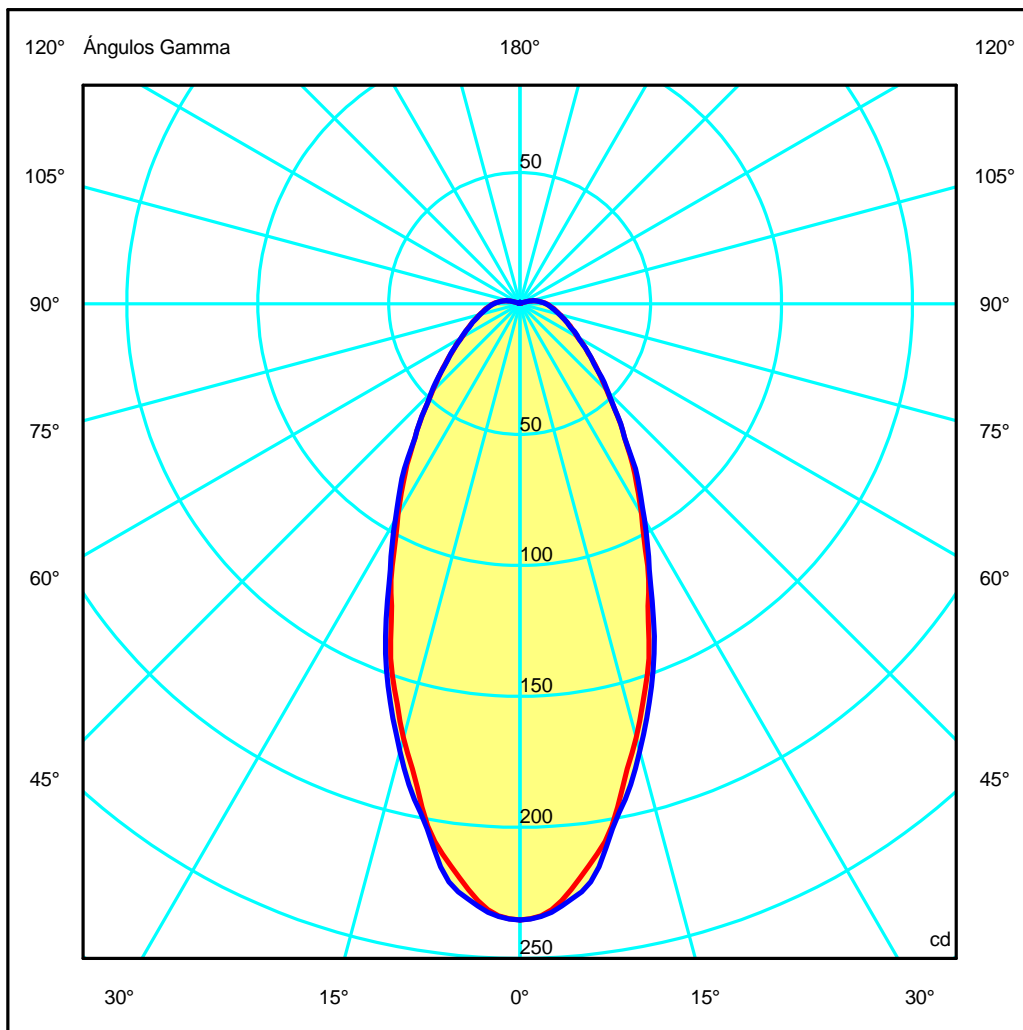
Code CL252A18F011G.E3
Name 2700K CRI 90

Luminaire Flux	301.62 lm	Luminaire Power	5.51 W	Efficacy	54.76 lm/W	Efficiency	100.00%
Sources Flux	301.62 lm	Maximum value	235.37 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	240 mm	Height	60 mm		
Round Luminous Area		Diam.	60 mm	Height	50 mm		
Horizontal Luminous Area		0.002827 m2		Emitting area on Plane 180°		0.003000 m2	
Emitting area on Plane 0°		0.003000 m2		Emitting area on Plane 270°		0.003000 m2	
Emitting area on Plane 90°		0.003000 m2		Glare area at 76°		0.003595 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		04-07-2018		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		301.62 lm	
Operator		Asselum T2		Rated Voltage		230.17 V	
Temperature		24.50 °C		Rated Current		0.03 A	
Humidity		52.10 %		Photocell		Prc	
Notes		RM18070501.1					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
CREE XHP50B-00-0000-0D0UG227H		1x 5750134		Name 1x LED 4W 350mA		301.62	5.51	1
C.I.E.	61 82 93 95 100			D DIN 5040		A51		
F UTE	0.95 C + 0.05 T			B NBN		BZ 2 / 0.6 / BZ 3 / 2 / BZ 4		



ULOR 4.84 %
DLOR 95.16 %
RN 4.84 %



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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	235	235	235	235	235	235	235
G 2.5	233	233	231	233	234	233	234
G 5.0	225	226	225	226	227	226	228
G 7.5	214	216	216	217	217	217	220
G 10.0	203	202	204	204	204	205	204
G 12.5	185	187	190	190	191	191	191
G 15.0	172	172	174	175	177	173	177
G 17.5	157	158	158	157	162	159	163
G 20.0	144	144	144	144	148	144	149
G 22.5	128	130	131	130	132	131	134
G 25.0	116	116	118	117	120	119	118
G 27.5	103	104	106	106	106	104	106
G 30.0	93	92	95	93	95	93	95
G 32.5	84	83	84	84	85	84	85
G 35.0	75	75	75	74	76	74	77
G 37.5	67	67	66	66	68	67	67
G 40.0	60	59	60	60	61	58	60
G 42.5	53	52	53	53	54	52	53
G 45.0	47	47	48	48	48	47	48
G 47.5	42	42	43	43	43	42	43
G 50.0	38	38	38	38	39	38	38
G 52.5	35	35	35	35	36	34	34
G 55.0	31	31	31	31	32	31	31
G 57.5	28	28	29	29	29	28	28
G 60.0	25	25	26	26	26	26	26
G 62.5	23	23	24	24	24	23	24
G 65.0	22	22	22	22	22	21	21
G 67.5	20	20	20	20	20	19	20
G 70.0	18	18	19	18	19	18	18
G 72.5	17	17	17	17	17	17	17
G 75.0	16	16	16	16	16	16	16
G 77.5	15	15	15	15	15	14	14
G 80.0	14	14	14	13	14	13	13
G 82.5	13	13	13	12	13	12	12
G 85.0	12	12	12	12	12	11	12
G 87.5	11	11	11	11	11	11	11
G 90.0	10	10	10	10	10	10	10
G 92.5	9	9	9	9	9	9	9
G 95.0	8	8	8	8	8	8	8
G 97.5	7	7	7	7	7	7	7
G100.0	6	6	6	6	6	6	6
G102.5	5	5	5	5	5	5	5
G105.0	4	4	4	4	4	4	4
G107.5	3	3	3	3	3	3	2
G110.0	1	1	2	1	1	1	1
G112.5	1	0	1	0	1	0	1
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	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

Luminaire

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Measur.

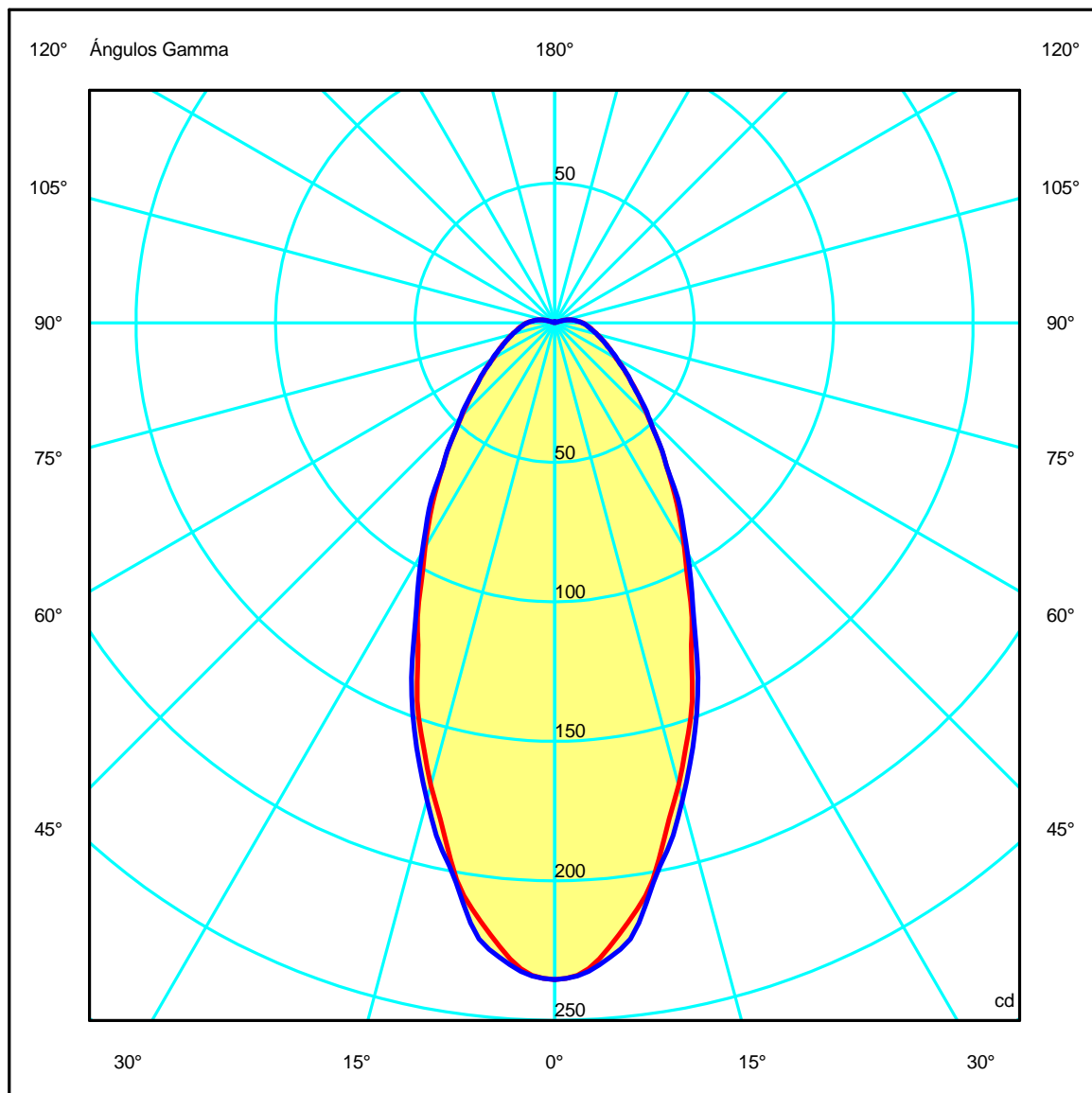
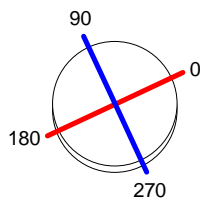
Code CL252A18F011G.E3
Name 2700K CRI 90

Luminaire Flux	301.62 lm	Luminaire Power	5.51 W	Efficacy	54.76 lm/W	Efficiency	100.00%
Sources Flux	301.62 lm	Maximum value	235.37 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=240mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

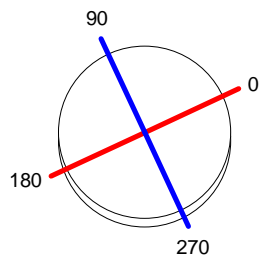
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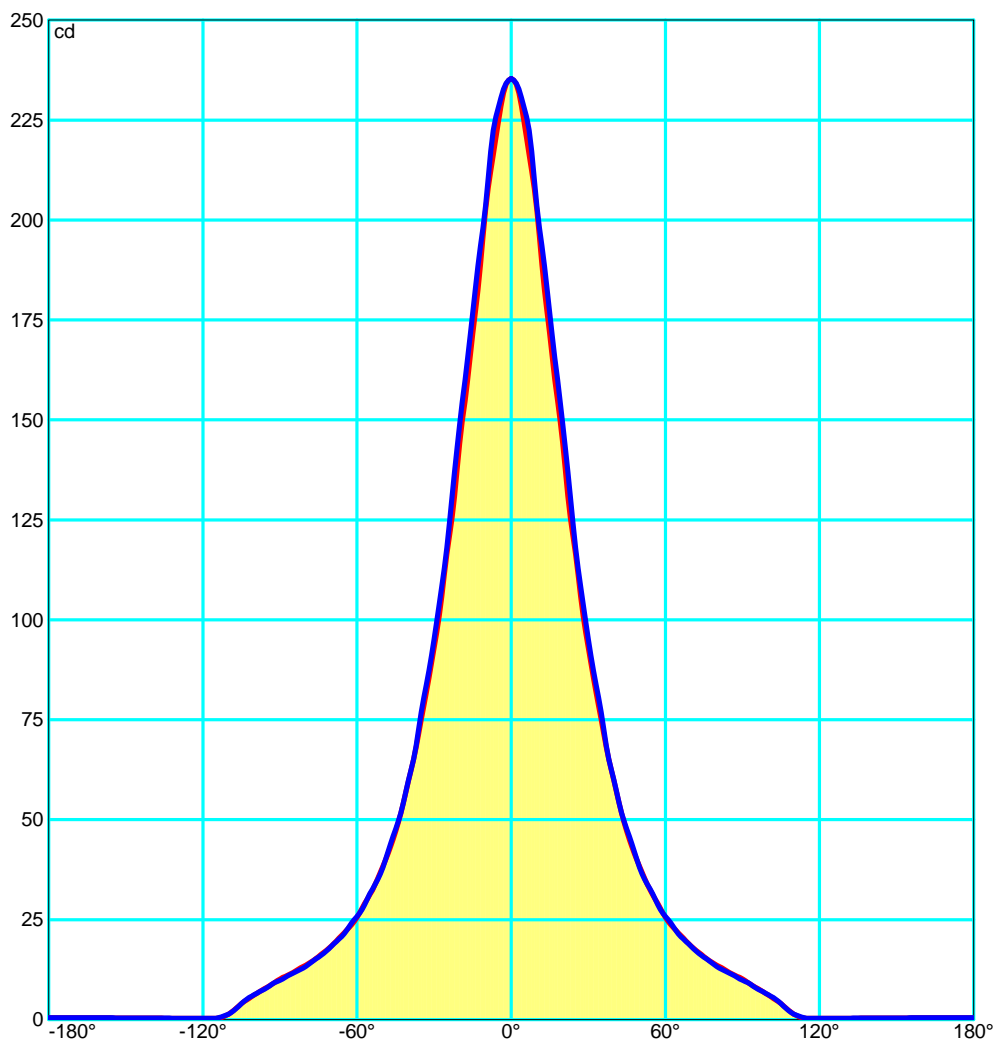
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Sources Flux	301.62 lm	Maximum value	235.37 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

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	18.1	19.2	18.4	19.5	19.8	18.1	19.2	18.5	19.5	19.8
x=2H y=3H	19.2	20.2	19.6	20.6	20.9	19.2	20.2	19.6	20.5	20.9
x=2H y=4H	19.8	20.7	20.2	21.1	21.5	19.8	20.7	20.2	21.1	21.4
x=2H y=6H	20.4	21.2	20.8	21.6	22.0	20.3	21.2	20.7	21.6	22.0
x=2H y=8H	20.7	21.5	21.1	21.9	22.3	20.6	21.4	21.0	21.8	22.2
x=2H y=12H	20.9	21.7	21.4	22.1	22.6	20.9	21.7	21.3	22.1	22.5
x=4H y=2H	18.6	19.5	19.0	19.9	20.3	18.6	19.5	19.0	19.9	20.3
x=4H y=3H	20.0	20.8	20.4	21.2	21.6	20.0	20.8	20.4	21.2	21.6
x=4H y=4H	20.7	21.4	21.2	21.8	22.3	20.7	21.4	21.1	21.8	22.3
x=4H y=6H	21.4	22.1	21.9	22.5	23.0	21.4	22.0	21.9	22.5	23.0
x=4H y=8H	21.8	22.4	22.3	22.9	23.4	21.7	22.3	22.3	22.8	23.3
x=4H y=12H	22.2	22.7	22.7	23.2	23.8	22.1	22.6	22.6	23.1	23.7
x=8H y=4H	21.0	21.6	21.5	22.1	22.6	21.0	21.6	21.5	22.1	22.6
x=8H y=6H	22.0	22.5	22.5	23.0	23.5	21.9	22.4	22.5	22.9	23.5
x=8H y=8H	22.5	22.9	23.0	23.4	24.0	22.4	22.8	23.0	23.4	23.9
x=8H y=12H	23.0	23.4	23.5	23.9	24.5	22.9	23.3	23.5	23.8	24.4
x=12H y=4H	21.1	21.6	21.6	22.1	22.6	21.1	21.6	21.6	22.1	22.6
x=12H y=6H	22.1	22.5	22.6	23.0	23.6	22.0	22.5	22.6	23.0	23.6
x=12H y=8H	22.6	23.0	23.2	23.6	24.2	22.6	23.0	23.2	23.5	24.1

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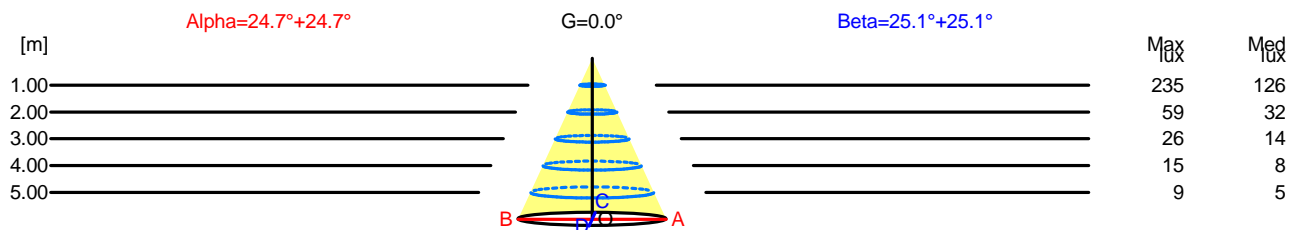
Luminaire Flux	301.62 lm	Luminaire Power	5.51 W	Efficacy	54.76 lm/W	Efficiency	100.00%
Sources Flux	301.62 lm	Maximum value	235.37 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.46	0.92	1.38	1.84	2.30	OC	0.47	0.94	1.40	1.87	2.34
OB	0.46	0.92	1.38	1.84	2.30	OD	0.47	0.94	1.40	1.87	2.34

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	235.37	224.56	171.60	116.46	75.04	47.06	31.17	21.68	15.77	11.73
OB	235.37	224.56	171.60	116.46	75.04	47.06	31.17	21.68	15.77	11.73
OC	235.37	228.18	176.89	118.08	76.94	47.65	31.45	21.42	15.60	11.56
OD	235.37	228.18	176.89	118.08	76.94	47.65	31.45	21.42	15.60	11.56



H[m]	D[m]	Max lux	Med lux	Alpha=24.7°+24.7°	G=0.0
1.00	0.92	235	126		
2.00	1.84	59	32		
3.00	2.76	26	14		
4.00	3.68	15	8		
5.00	4.60	9	5		

H[m]	D[m]	Max lux	Med lux	Beta=25.1°+25.1°	G=0.0
1.00	0.94	235	126		
2.00	1.87	59	32		
3.00	2.81	26	14		
4.00	3.74	15	8		
5.00	4.68	9	5		

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Measurement

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Sources Flux	301.62 lm	Maximum value	235.37 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=301.62 Flujo Luminaria=301.62

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	0.50	0.56	0.62	0.66	0.73	0.78	0.81	0.85	0.87	0.93	0.96
RC	3	3	3	3	3	4	4	4	4	4	4	4

Flujo Zonal por 1000 Lúmenes

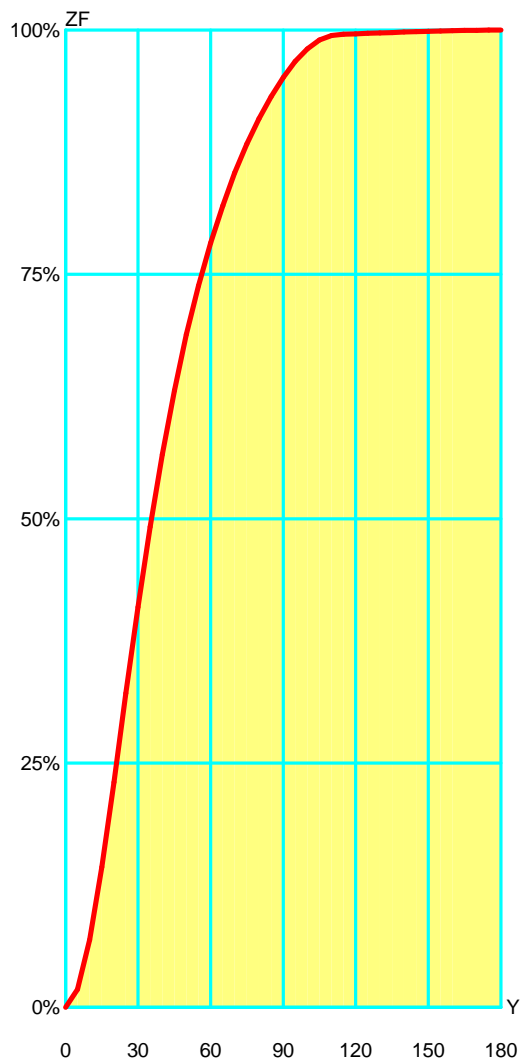
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	69	230	410	566	688	782	854	909	952	981	994	996	997	998	999	999	1000	1000

Códigos de Flujo C.I.E.

61 82 93 95 100

C.I.E. 3/3/3/3/4/4/4/4/4
D DIN 5040 A51
F UTE 0.95 C + 0.05 T
B NBN BZ 2 / 0.6 / BZ 3 / 2 / BZ 4
RN 4.84289 %
BLF 1.0

LOR 100.00000 %
ULOR 4.84289 %
DLOR 95.15711 %
UFF 4.84289 %
DFF 95.15711 %
FFR 5.08937 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	18.28	18.28	1.83 %	1.83 %
10°	50.93	69.21	5.09 %	6.92 %
15°	74.17	143.38	7.42 %	14.34 %
20°	86.79	230.17	8.68 %	23.02 %
25°	91.04	321.21	9.10 %	32.12 %
30°	88.37	409.58	8.84 %	40.96 %
35°	82.12	491.70	8.21 %	49.17 %
40°	74.12	565.83	7.41 %	56.58 %
45°	65.23	631.05	6.52 %	63.11 %
50°	57.33	688.38	5.73 %	68.84 %
55°	50.05	738.43	5.01 %	73.84 %
60°	43.66	782.09	4.37 %	78.21 %
65°	38.26	820.35	3.83 %	82.04 %
70°	33.55	853.90	3.35 %	85.39 %
75°	29.49	883.39	2.95 %	88.34 %
80°	25.87	909.26	2.59 %	90.93 %
85°	22.62	931.88	2.26 %	93.19 %
90°	19.69	951.57	1.97 %	95.16 %
95°	16.41	967.98	1.64 %	96.80 %
100°	12.80	980.78	1.28 %	98.08 %
105°	9.09	989.86	0.91 %	98.99 %
110°	4.62	994.48	0.46 %	99.45 %
115°	1.20	995.68	0.12 %	99.57 %
120°	0.48	996.16	0.05 %	99.62 %
125°	0.47	996.62	0.05 %	99.66 %
130°	0.46	997.08	0.05 %	99.71 %
135°	0.46	997.54	0.05 %	99.75 %
140°	0.44	997.98	0.04 %	99.80 %
145°	0.41	998.39	0.04 %	99.84 %
150°	0.38	998.78	0.04 %	99.88 %
155°	0.34	999.12	0.03 %	99.91 %
160°	0.30	999.41	0.03 %	99.94 %
165°	0.25	999.66	0.02 %	99.97 %
170°	0.19	999.85	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

