

**Luminaire**

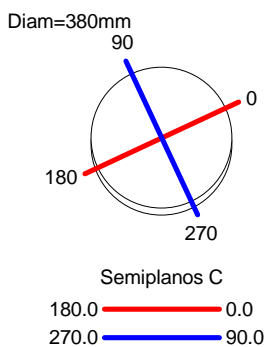
Code 5780  
Name Tempo

**Measur.**

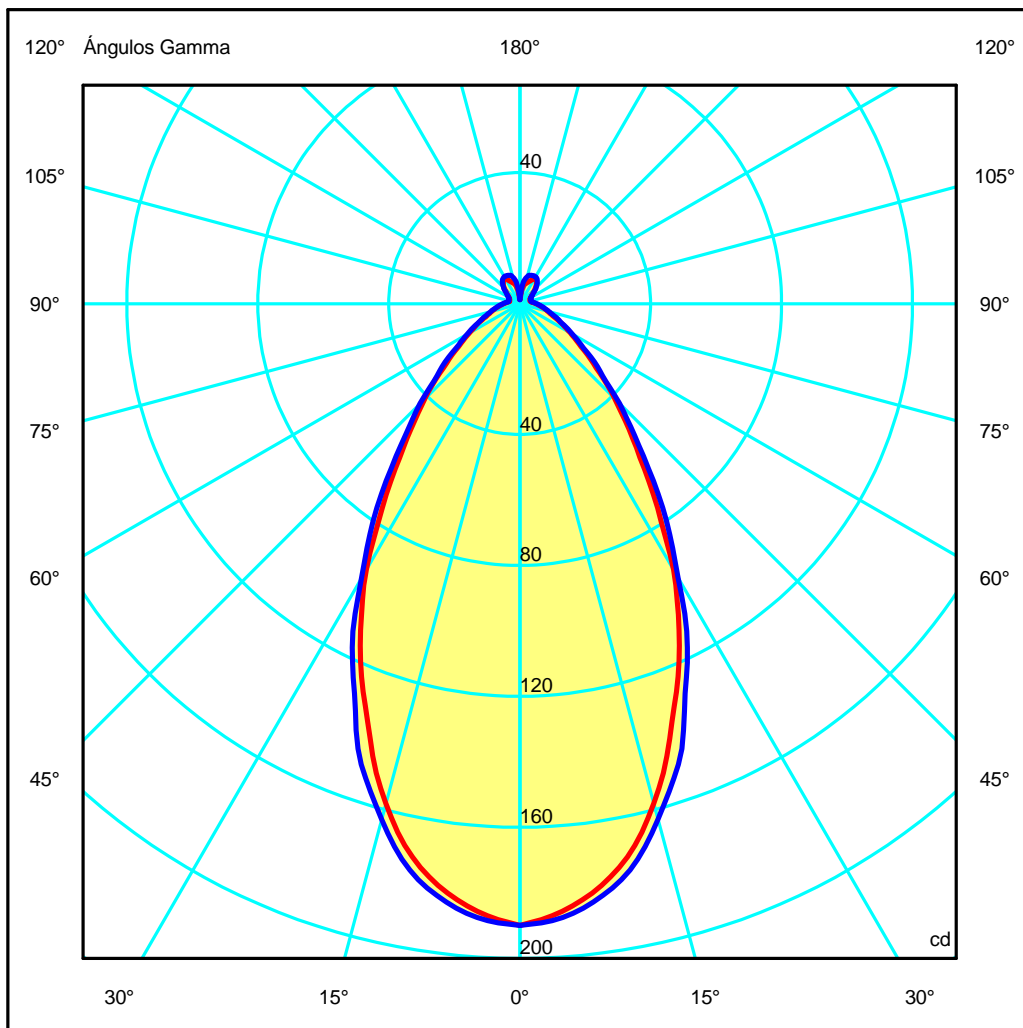
Code CL252A18F017G.V1  
Name 2700K CRI 90

Luminaire Flux	280.99 lm	Luminaire Power	5.54 W	Efficacy	50.73 lm/W	Efficiency	100.00%
Sources Flux	280.99 lm	Maximum value	189.88 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	380 mm	Height	150 mm		
Round Luminous Area		Diam.	380 mm	Height	150 mm		
Horizontal Luminous Area		0.113411 m2		Emitting area on Plane 180°		0.057000 m2	
Emitting area on Plane 0°		0.057000 m2		Emitting area on Plane 270°		0.057000 m2	
Emitting area on Plane 90°		0.057000 m2		Glare area at 76°		0.082744 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		09-07-2018		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		280.99 lm	
Operator		Asselum T2		Rated Voltage		230.26 V	
Temperature		24.70 °C		Rated Current		0.03 A	
Humidity		51.30 %		Photocell		Prc	
Notes		RM18062507.2					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
CREE XHP50B-00-0000-0D0UG227H		1x 5750134		1x LED 4W 350mA		280.99	5.54	1
C.I.E.	68 88 96 88 100			D DIN 5040		B51		
F UTE	0.88 C + 0.12 T			B NBN		BZ 2 / 2 / BZ 3		



ULOR 11.87 %  
DLOR 88.13 %  
RN 11.87 %



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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	190	190	190	190	190	190	190
G 2.5	188	188	189	189	189	189	189
G 5.0	185	184	186	186	186	187	187
G 7.5	180	181	181	182	182	183	183
G 10.0	175	176	177	178	177	178	179
G 12.5	167	170	169	172	171	172	172
G 15.0	158	161	162	163	164	164	163
G 17.5	148	151	153	154	155	155	154
G 20.0	136	140	143	143	144	145	145
G 22.5	126	129	131	131	131	132	132
G 25.0	115	118	120	120	120	120	121
G 27.5	104	107	108	108	109	107	110
G 30.0	94	94	95	96	97	94	97
G 32.5	82	83	85	84	86	84	86
G 35.0	71	73	75	74	76	74	76
G 37.5	61	63	65	63	65	64	66
G 40.0	54	54	56	55	56	56	57
G 42.5	47	47	49	48	49	48	49
G 45.0	41	41	41	42	42	41	43
G 47.5	36	36	36	36	37	35	36
G 50.0	30	31	31	31	32	31	32
G 52.5	27	27	27	27	28	27	28
G 55.0	23	23	24	23	24	24	24
G 57.5	20	20	21	20	21	21	21
G 60.0	18	18	18	18	18	18	18
G 62.5	16	16	16	16	16	16	16
G 65.0	14	14	14	14	14	14	14
G 67.5	12	12	12	12	13	12	13
G 70.0	11	11	11	11	11	11	11
G 72.5	10	10	10	10	10	10	10
G 75.0	9	9	9	9	9	9	9
G 77.5	8	8	8	8	8	8	8
G 80.0	7	7	7	7	7	7	8
G 82.5	7	7	7	7	7	7	7
G 85.0	6	6	6	6	6	6	6
G 87.5	5	5	6	6	6	6	6
G 90.0	5	5	5	5	5	5	5
G 92.5	4	5	5	5	5	5	5
G 95.0	4	4	4	4	4	4	4
G 97.5	4	4	4	4	4	4	4
G100.0	3	3	4	4	4	4	4
G102.5	3	3	3	3	3	3	4
G105.0	3	3	3	3	3	3	3
G107.5	3	3	3	3	3	3	3
G110.0	3	3	3	3	3	3	3
G112.5	3	3	3	3	3	3	4
G115.0	3	3	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	5	5	5	5	5	5
G127.5	5	5	5	5	5	5	5
G130.0	5	5	6	6	6	6	6
G132.5	6	6	6	6	6	6	6
G135.0	7	7	7	7	7	7	7
G137.5	7	7	7	8	8	8	8
G140.0	8	8	8	8	8	8	8
G142.5	8	8	9	9	9	9	9
G145.0	9	9	9	9	9	9	9
G147.5	9	9	9	9	9	9	9
G150.0	9	9	9	9	9	10	10
G152.5	8	9	9	9	9	10	10
G155.0	8	8	9	9	9	9	9
G157.5	7	8	8	9	9	9	9
G160.0	7	7	8	9	9	9	9
G162.5	7	7	7	8	9	9	9
G165.0	6	6	7	8	8	8	8
G167.5	6	6	6	7	7	8	8
G170.0	5	5	6	6	7	7	7
G172.5	4	4	4	4	5	5	5
G175.0	2	2	3	3	3	3	3
G177.5	1	2	1	2	2	2	2
G180.0	1	1	1	1	1	1	1

**Luminaire**

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Name Tempo

**Measur.**

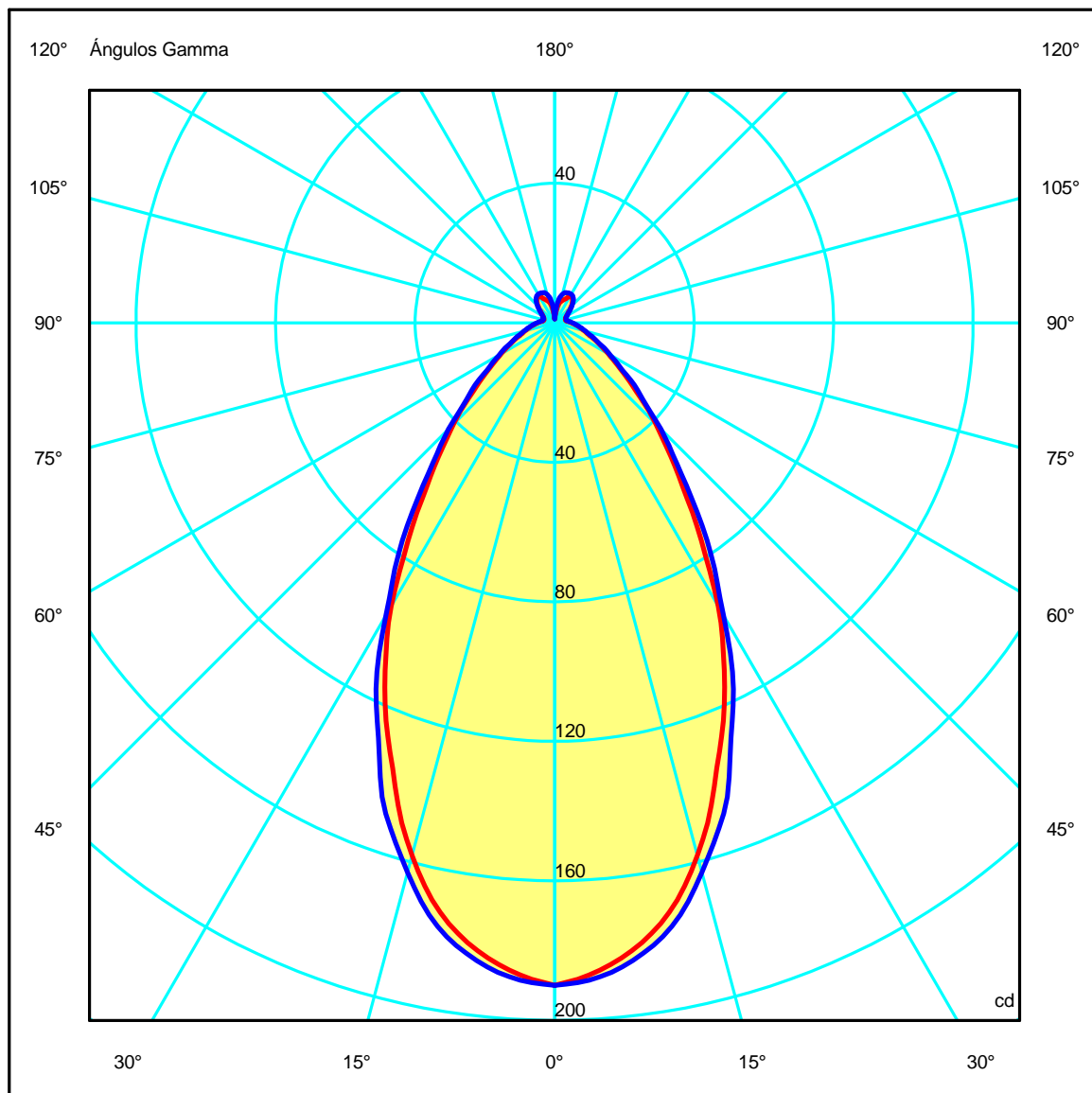
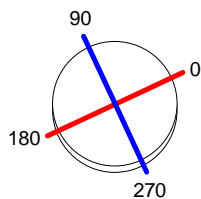
Code CL252A18F017G.V1  
Name 2700K CRI 90

Luminaire Flux	280.99 lm	Luminaire Power	5.54 W	Efficacy	50.73 lm/W	Efficiency	100.00%
Sources Flux	280.99 lm	Maximum value	189.88 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=380mm

Semiplanos C

180.0 — 0.0  
270.0 — 90.0



**Luminaire**

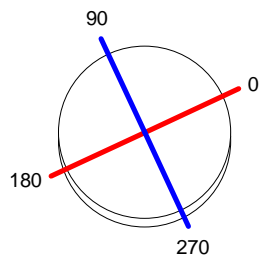
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**Measurem.**

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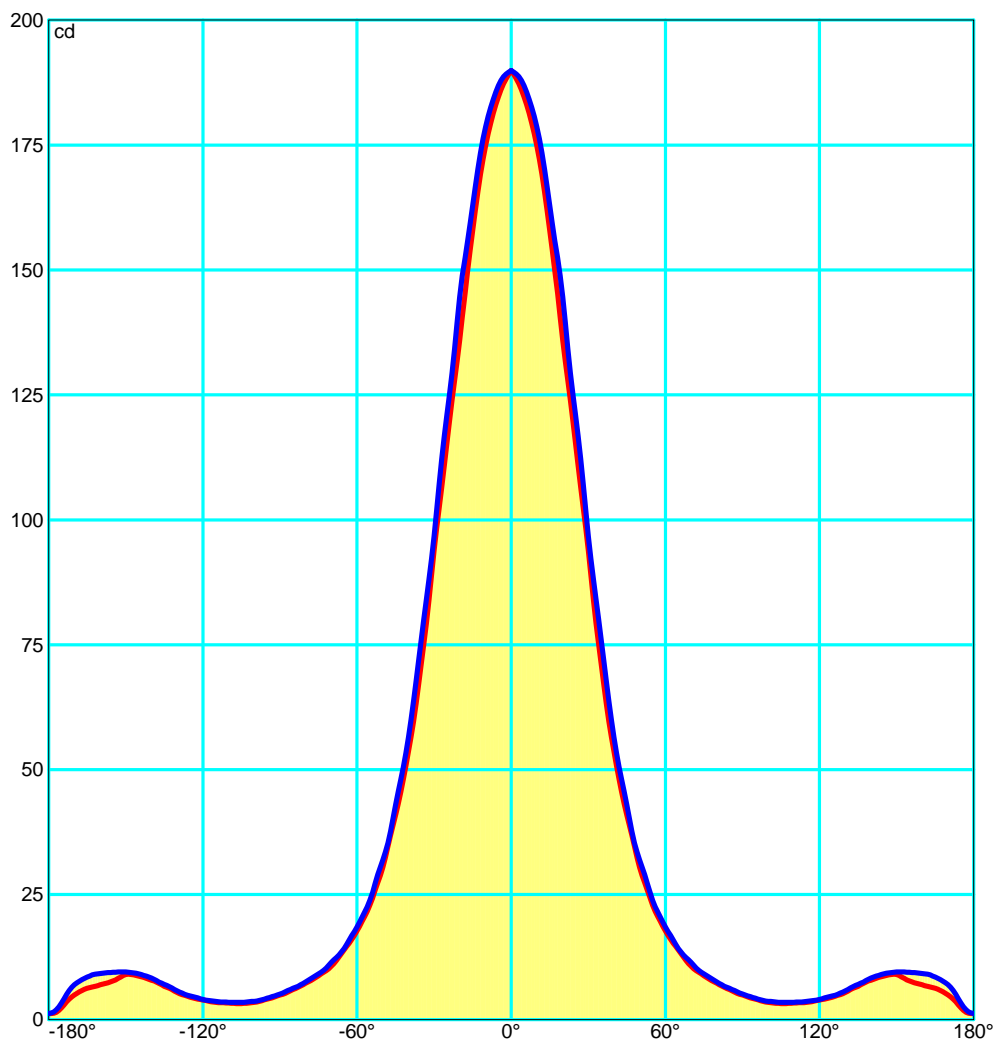
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180.0 ————— 0.0  
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Sources Flux	280.99 lm	Maximum value	189.88 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

**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	5.0	6.0	5.5	6.4	6.8	5.1	6.1	5.6	6.5	6.9
x=2H y=3H	5.8	6.6	6.2	7.1	7.5	5.9	6.7	6.4	7.2	7.7
x=2H y=4H	6.1	6.9	6.6	7.4	7.9	6.2	7.1	6.8	7.5	8.0
x=2H y=6H	6.5	7.2	7.0	7.7	8.3	6.6	7.4	7.1	7.9	8.4
x=2H y=8H	6.7	7.4	7.2	7.9	8.5	6.8	7.5	7.3	8.0	8.6
x=2H y=12H	6.9	7.6	7.4	8.1	8.6	7.0	7.7	7.6	8.2	8.8
x=4H y=2H	5.3	6.1	5.8	6.6	7.1	5.4	6.2	5.9	6.7	7.2
x=4H y=3H	6.3	7.0	6.8	7.5	8.0	6.4	7.1	6.9	7.6	8.1
x=4H y=4H	6.8	7.4	7.4	7.9	8.5	6.9	7.5	7.5	8.0	8.6
x=4H y=6H	7.3	7.9	7.9	8.4	9.1	7.4	8.0	8.0	8.5	9.2
x=4H y=8H	7.6	8.1	8.2	8.7	9.3	7.7	8.2	8.3	8.8	9.4
x=4H y=12H	7.9	8.3	8.5	8.9	9.6	8.0	8.4	8.6	9.0	9.7
x=8H y=4H	7.0	7.5	7.6	8.1	8.7	7.1	7.6	7.7	8.2	8.8
x=8H y=6H	7.7	8.1	8.4	8.7	9.4	7.8	8.2	8.4	8.8	9.5
x=8H y=8H	8.1	8.4	8.8	9.1	9.8	8.2	8.5	8.8	9.2	9.9
x=8H y=12H	8.5	8.8	9.2	9.5	10.2	8.6	8.9	9.3	9.5	10.3
x=12H y=4H	7.0	7.5	7.7	8.1	8.7	7.1	7.5	7.7	8.1	8.8
x=12H y=6H	7.8	8.1	8.5	8.8	9.5	7.9	8.2	8.5	8.9	9.6
x=12H y=8H	8.2	8.5	8.9	9.2	9.9	8.3	8.6	9.0	9.3	10.0

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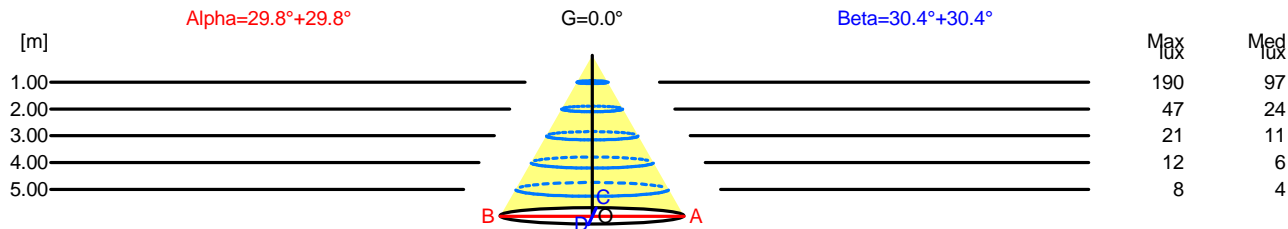
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Sources Flux	280.99 lm	Maximum value	189.88 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.57	1.14	1.71	2.29	2.86	OC	0.59	1.17	1.76	2.35	2.93
OB	0.57	1.14	1.71	2.29	2.86	OD	0.59	1.17	1.76	2.35	2.93

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	189.88	184.66	158.04	115.25	71.22	40.96	22.85	13.94	8.77	5.97
OB	189.88	184.66	158.04	115.25	71.22	40.96	22.85	13.94	8.77	5.97
OC	189.88	186.89	163.07	121.01	76.10	43.06	23.80	14.23	9.13	6.24
OD	189.88	186.89	163.07	121.01	76.10	43.06	23.80	14.23	9.13	6.24



H[m]	D[m]	Max lux	Med lux	Alpha=29.8°+29.8°	G=0.0
1.00	1.14	190	97		
2.00	2.29	47	24		
3.00	3.43	21	11		
4.00	4.57	12	6		
5.00	5.72	8	4		

H[m]	D[m]	Max lux	Med lux	Beta=30.4°+30.4°	G=0.0
1.00	1.17	190	97		
2.00	2.35	47	24		
3.00	3.52	21	11		
4.00	4.69	12	6		
5.00	5.86	8	4		

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Flujo Total=280.99 Flujo Luminaria=280.99

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	0.48	0.55	0.61	0.67	0.71	0.78	0.82	0.85	0.88	0.90	0.95	0.98
RC	2	2	2	2	2	2	2	2	2	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)	62	223	417	582	697	773	823	857	881	898	910	923	938	957	976	991	999	1000

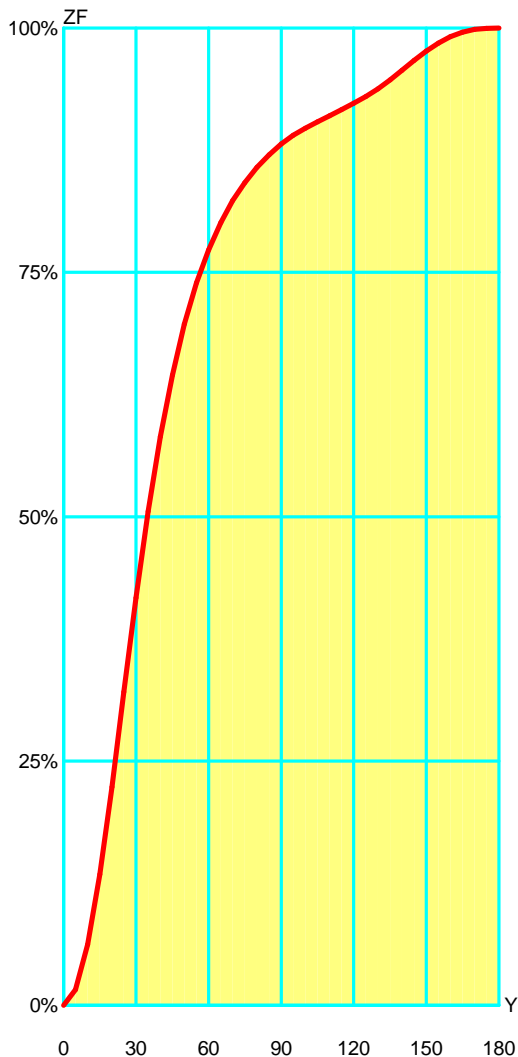
Códigos de Flujo C.I.E.

68 88 96 88 100

C.I.E.  
D DIN 5040  
F UTE  
B NBN  
RN  
BLF

2/2/2/2/2/2/2/2/2/2  
B51  
0.88 C + 0.12 T  
BZ 2 / 2 / BZ 3  
11.86967 %  
1.0

LOR 100.00000 %  
ULOR 11.86967 %  
DLOR 88.13033 %  
UFF 11.86967 %  
DFF 88.13033 %  
FFR 13.46831 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	15.99	15.99	1.60 %	1.60 %
10°	46.19	62.17	4.62 %	6.22 %
15°	71.70	133.88	7.17 %	13.39 %
20°	89.46	223.34	8.95 %	22.33 %
25°	97.25	320.59	9.72 %	32.06 %
30°	96.53	417.12	9.65 %	41.71 %
35°	88.26	505.38	8.83 %	50.54 %
40°	76.19	581.58	7.62 %	58.16 %
45°	63.47	645.04	6.35 %	64.50 %
50°	51.87	696.91	5.19 %	69.69 %
55°	42.25	739.16	4.22 %	73.92 %
60°	34.00	773.16	3.40 %	77.32 %
65°	27.61	800.77	2.76 %	80.08 %
70°	22.53	823.31	2.25 %	82.33 %
75°	18.59	841.89	1.86 %	84.19 %
80°	15.55	857.44	1.55 %	85.74 %
85°	13.01	870.46	1.30 %	87.05 %
90°	10.85	881.30	1.08 %	88.13 %
95°	8.92	890.22	0.89 %	89.02 %
100°	7.39	897.61	0.74 %	89.76 %
105°	6.49	904.10	0.65 %	90.41 %
110°	6.21	910.31	0.62 %	91.03 %
115°	6.21	916.52	0.62 %	91.65 %
120°	6.46	922.98	0.65 %	92.30 %
125°	7.02	930.00	0.70 %	93.00 %
130°	7.87	937.87	0.79 %	93.79 %
135°	8.99	946.86	0.90 %	94.69 %
140°	9.86	956.72	0.99 %	95.67 %
145°	10.17	966.88	1.02 %	96.69 %
150°	9.59	976.47	0.96 %	97.65 %
155°	8.21	984.68	0.82 %	98.47 %
160°	6.43	991.11	0.64 %	99.11 %
165°	4.65	995.76	0.47 %	99.58 %
170°	2.89	998.65	0.29 %	99.86 %
175°	1.18	999.83	0.12 %	99.98 %
180°	0.17	1000.00	0.02 %	100.00 %

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Isolux (Floor)

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

