

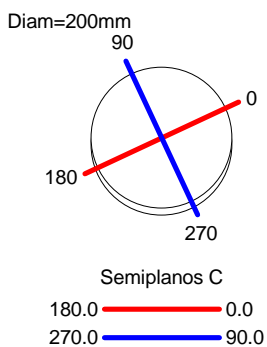
Luminaria

Código A691-260
 Nombre DIPPING LIGHT 20 OFF-WHITE
Ensayo
 Código CL041A20F002G
 Nombre DIPPING LIGHT 20 OFF-WHITE

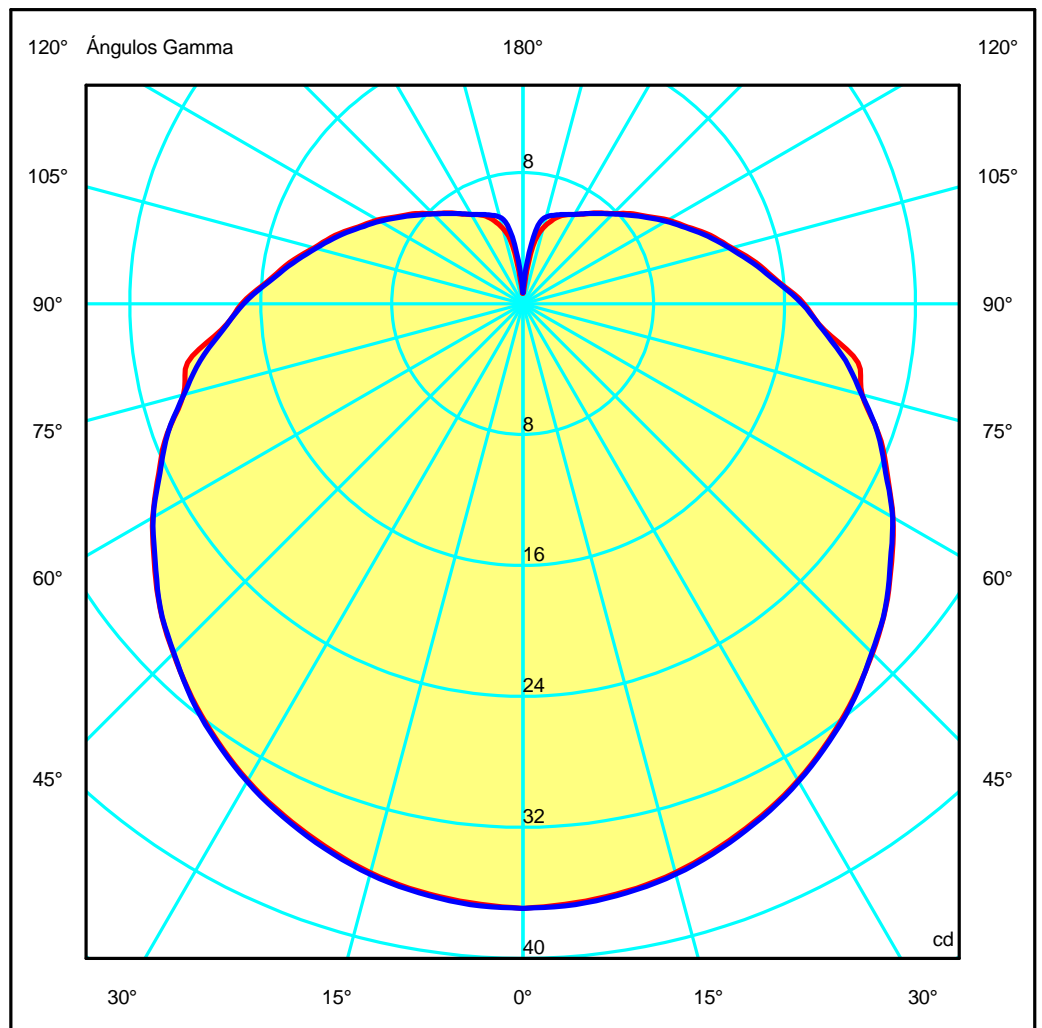
Flujo Luminaria	231.07 lm	Potencia luminaria	4.42 W	Eficacia	52.24 lm/W	Eficiencia	100.00%
Flujo Fuentes	231.07 lm	Valor Máximo	36.94 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda		Diam.	200 mm	Altura	200 mm		
Área Luminosa Redonda		Diam.	200 mm	Altura	200 mm		
Área Luminosa Horizontal	0.031416 m2			Área Emisión sobre Pl. 180°		0.040000 m2	
Área Emisión sobre Pl. 0°	0.040000 m2			Área Emisión sobre Pl. 270°		0.040000 m2	
Área Emisión sobre Pl. 90°	0.040000 m2			Área de deslumbramiento a 76°		0.046412 m2	
Sist. de Coorden.	CG			Tipo de Simetría		Bisimétrico	
Fecha	05-03-2020			Máximo Ángulo Gamma		180	
Distancia de Ensayo	6.44			Flujo de Ensayo		231.07 lm	
Operador	Asselum T2			Tensión Nominal		230.27 V	
Temperatura	24.90 °C			Corriente Nominal		0.04 A	
Humedad	34.80 %			Fotocélula		Prc	
Notas	RM20022603.2						

Lámparas de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	32 59 82 72 100	D DIN 5040	231.07	4.42	1
F UTE	0.72 H + 0.28 T	B NBN	B21	BZ 6	



ULOR 28.27 %
 DLOR 71.73 %
 RN 28.27 %



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Tabla de Intensidad Luminosa cd Tabla 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	37	37	37	37	37	37	37
G 2.5	37	37	37	37	37	37	37
G 5.0	37	37	37	37	37	37	37
G 7.5	37	37	37	37	37	37	37
G 10.0	36	37	37	37	37	37	37
G 12.5	36	36	36	36	36	36	36
G 15.0	36	36	36	36	36	36	36
G 17.5	36	36	36	36	36	36	36
G 20.0	35	35	35	35	35	35	35
G 22.5	35	35	35	35	35	35	35
G 25.0	35	35	35	35	35	35	35
G 27.5	34	34	34	34	34	34	34
G 30.0	34	34	34	34	34	34	34
G 32.5	33	33	33	33	33	33	33
G 35.0	33	33	33	33	33	33	33
G 37.5	32	32	32	32	32	32	32
G 40.0	31	32	32	32	31	31	31
G 42.5	31	31	31	31	31	31	31
G 45.0	30	30	30	30	30	30	30
G 47.5	30	30	30	30	30	30	30
G 50.0	29	29	29	29	29	29	29
G 52.5	28	28	28	28	28	28	28
G 55.0	27	28	28	28	28	27	27
G 57.5	27	27	27	27	27	27	27
G 60.0	26	26	26	26	26	26	26
G 62.5	25	25	25	25	25	25	25
G 65.0	25	25	25	25	25	25	24
G 67.5	24	24	24	24	24	24	24
G 70.0	23	23	23	23	23	23	23
G 72.5	22	22	22	22	22	22	22
G 75.0	21	22	22	22	22	22	21
G 77.5	21	21	21	21	21	21	21
G 80.0	21	20	20	20	20	20	20
G 82.5	20	19	19	19	19	19	19
G 85.0	18	19	19	19	19	18	18
G 87.5	18	18	18	18	18	18	18
G 90.0	17	17	17	17	17	17	17
G 92.5	16	16	16	16	16	16	16
G 95.0	16	16	16	16	16	16	16
G 97.5	15	15	15	15	15	15	15
G100.0	14	15	15	14	14	14	14
G102.5	14	14	14	14	14	14	14
G105.0	13	13	13	13	13	13	13
G107.5	13	13	13	13	13	13	13
G110.0	12	12	12	12	12	12	12
G112.5	12	12	12	12	12	12	12
G115.0	11	11	11	11	11	11	11
G117.5	11	11	11	11	11	11	11
G120.0	10	10	10	10	10	10	10
G122.5	10	10	10	10	10	10	10
G125.0	9	9	9	9	9	9	9
G127.5	9	9	9	9	9	9	9
G130.0	9	9	9	8	8	8	8
G132.5	8	8	8	8	8	8	8
G135.0	8	8	8	8	8	8	8
G137.5	7	8	8	7	7	7	7
G140.0	7	7	7	7	7	7	7
G142.5	7	7	7	7	7	7	7
G145.0	7	7	7	7	7	7	7
G147.5	6	7	7	6	6	6	6
G150.0	6	6	6	6	6	6	6
G152.5	6	6	6	6	6	6	6
G155.0	6	6	6	6	6	6	6
G157.5	6	6	6	6	6	6	6
G160.0	5	6	6	6	6	6	6
G162.5	5	5	5	5	6	6	6
G165.0	5	5	5	5	5	5	5
G167.5	4	4	4	5	5	5	5
G170.0	4	4	4	4	4	4	5
G172.5	2	3	3	3	3	3	3
G175.0	1	2	2	2	2	2	2
G177.5	1	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

Luminaria

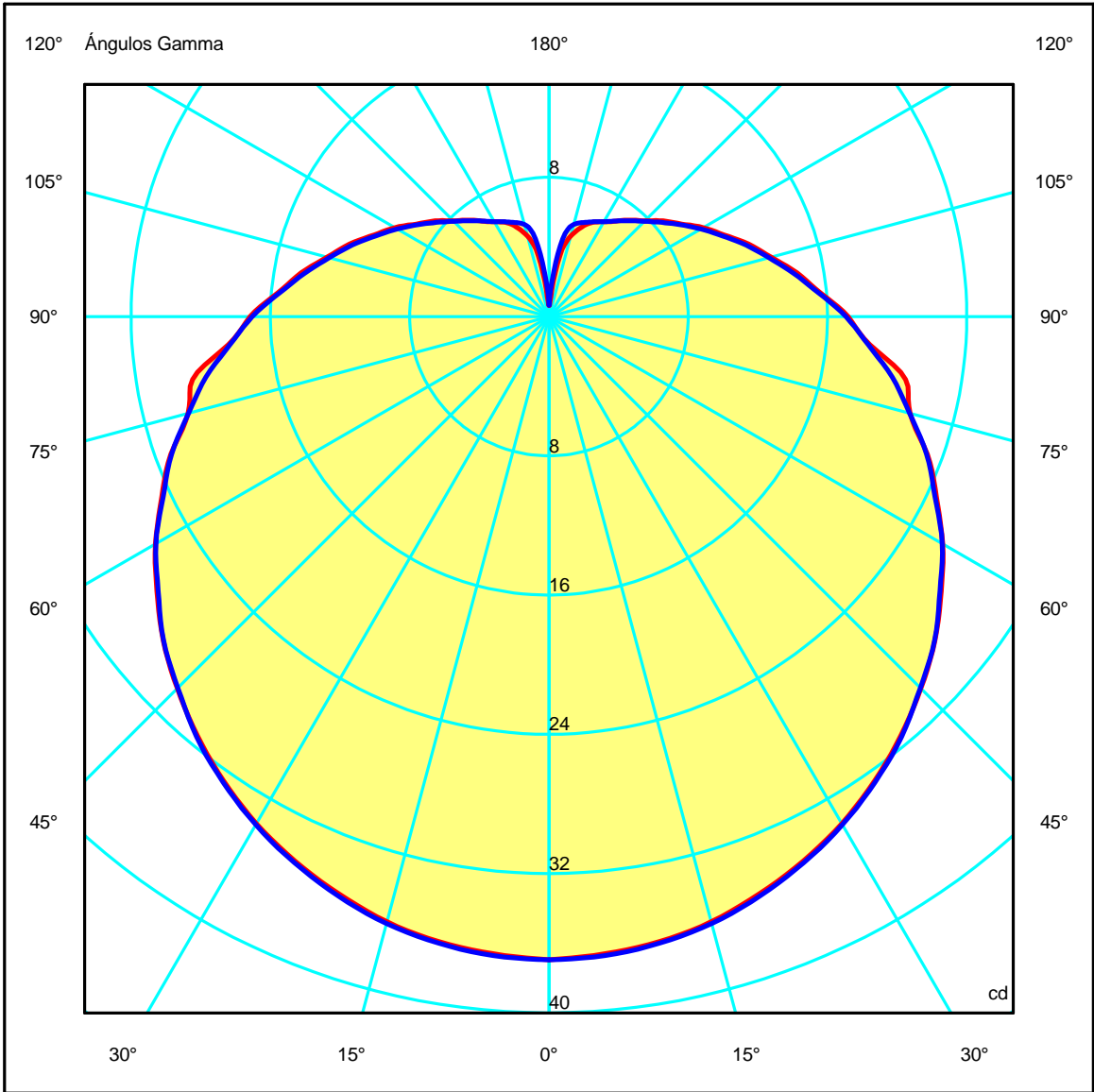
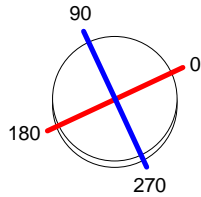
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Flujo Fuentes	231.07 lm	Valor Máximo	36.94 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=200mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0

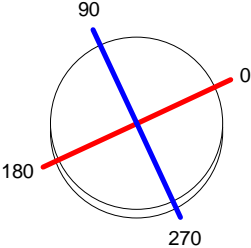


Luminaria

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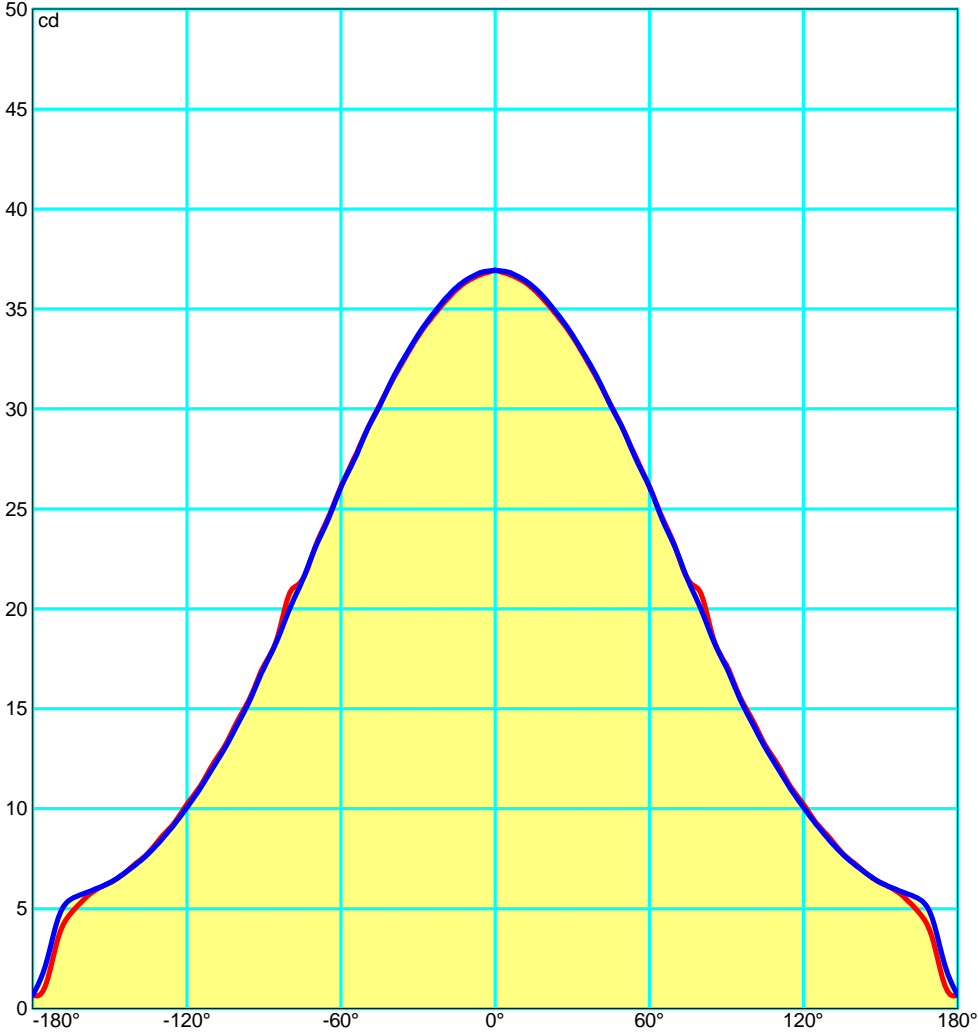
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Flujo Fuentes	231.07 lm	Valor Máximo	36.94 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=200mm



Semiplanos C

180.0 ——— 0.0
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Flujo Fuentes	231.07 lm	Valor Máximo	36.94 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

UGR
S = 0.250

Reflectancias										
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	8.4	9.5	9.1	10.2	11.0	8.4	9.5	9.0	10.2	11.0
x=2H y=3H	10.5	11.5	11.2	12.2	13.1	10.5	11.5	11.2	12.2	13.1
x=2H y=4H	11.5	12.5	12.2	13.2	14.1	11.5	12.5	12.2	13.2	14.1
x=2H y=6H	12.6	13.5	13.3	14.2	15.1	12.5	13.4	13.2	14.2	15.1
x=2H y=8H	13.1	14.0	13.8	14.7	15.6	13.0	13.9	13.8	14.6	15.5
x=2H y=12H	13.6	14.4	14.3	15.2	16.1	13.5	14.3	14.2	15.1	16.0
x=4H y=2H	9.2	10.2	9.9	10.9	11.8	9.2	10.2	9.9	10.9	11.7
x=4H y=3H	11.5	12.3	12.2	13.1	14.0	11.5	12.3	12.2	13.1	14.0
x=4H y=4H	12.7	13.4	13.4	14.2	15.1	12.6	13.4	13.4	14.2	15.1
x=4H y=6H	13.9	14.6	14.7	15.3	16.3	13.8	14.5	14.6	15.3	16.2
x=4H y=8H	14.5	15.1	15.3	15.9	16.9	14.4	15.0	15.2	15.8	16.8
x=4H y=12H	15.0	15.6	15.8	16.4	17.4	14.9	15.5	15.8	16.3	17.3
x=8H y=4H	13.2	13.8	14.0	14.6	15.6	13.2	13.8	13.9	14.6	15.6
x=8H y=6H	14.6	15.1	15.4	15.9	17.0	14.5	15.1	15.4	15.9	16.9
x=8H y=8H	15.3	15.8	16.2	16.6	17.7	15.3	15.7	16.1	16.6	17.6
x=8H y=12H	16.0	16.5	16.9	17.3	18.4	16.0	16.4	16.8	17.3	18.3
x=12H y=4H	13.3	13.8	14.1	14.6	15.6	13.2	13.8	14.0	14.6	15.6
x=12H y=6H	14.8	15.2	15.6	16.1	17.1	14.7	15.2	15.6	16.0	17.1
x=12H y=8H	15.6	16.0	16.4	16.8	17.9	15.5	15.9	16.4	16.8	17.8

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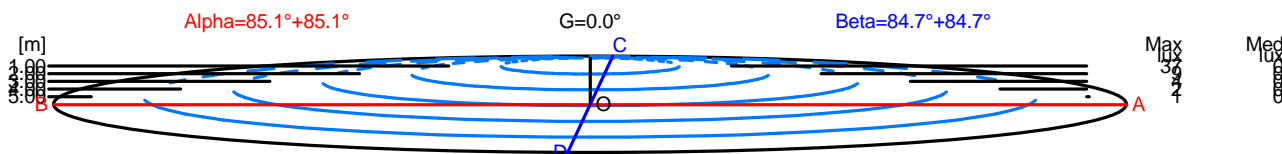
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Flujo Fuentes	231.07 lm	Valor Máximo	36.94 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Apertura a 50.00 % de Max Intensidad

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	11.59	23.19	34.78	46.38	57.97	OC	10.87	21.75	32.62	43.49	54.37
OB	11.59	23.19	34.78	46.38	57.97	OD	10.87	21.75	32.62	43.49	54.37

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	36.94	36.74	35.98	34.51	32.57	30.20	27.50	24.55	21.47	18.49
OB	36.94	36.74	35.98	34.51	32.57	30.20	27.50	24.55	21.47	18.49
OC	36.94	36.85	36.09	34.61	32.64	30.15	27.41	24.46	21.43	18.39
OD	36.94	36.85	36.09	34.61	32.64	30.15	27.41	24.46	21.43	18.39



H[m]	D[m]	Max lux	Med lux	Alpha=85.1°+85.1°		G=0.0	
1.00	23.19	37	0				
2.00	46.38	9	0				
3.00	69.57	4	0				
4.00	92.75	2	0				
5.00	115.94	1	0				

H[m]	D[m]	Max lux	Med lux	Beta=84.7°+84.7°		G=0.0	
1.00	21.75	37	0				
2.00	43.49	9	0				
3.00	65.24	4	0				
4.00	86.98	2	0				
5.00	108.73	1	0				

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Flujo Total=231.07 Flujo Luminaria=231.07

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	0.21	0.27	0.33	0.40	0.45	0.53	0.59	0.64	0.70	0.74	0.84	0.91
RC	8	8	8	8	8	8	8	8	8	8	8	8

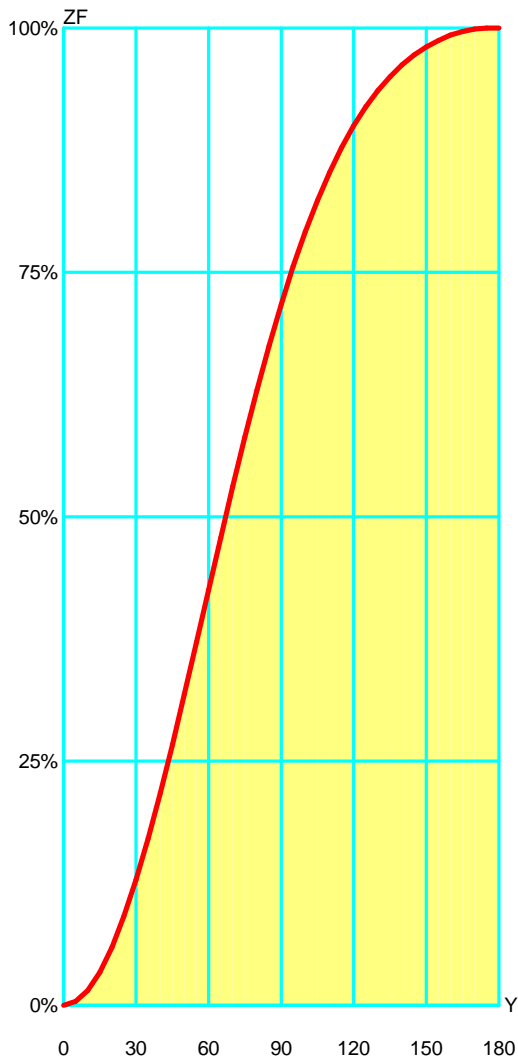
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	15	59	128	217	318	425	531	630	717	792	852	900	936	962	981	993	999	1000

Códigos de Flujo C.I.E.

32 59 82 72 100

C.I.E.	8	LOR	100.00000 %
D DIN 5040	B21	ULOR	28.26848 %
F UTE	0.72 H + 0.28 T	DLOR	71.73152 %
B NBN	BZ 6	UFF	28.26848 %
RN	28.26848 %	DFF	71.73152 %
BLF	1.0	FFR	39.40873 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.82	3.82	0.38 %	0.38 %
10°	11.36	15.18	1.14 %	1.52 %
15°	18.64	33.82	1.86 %	3.38 %
20°	25.48	59.30	2.55 %	5.93 %
25°	31.76	91.06	3.18 %	9.11 %
30°	37.40	128.46	3.74 %	12.85 %
35°	42.27	170.73	4.23 %	17.07 %
40°	46.30	217.03	4.63 %	21.70 %
45°	49.46	266.50	4.95 %	26.65 %
50°	51.76	318.25	5.18 %	31.83 %
55°	53.17	371.42	5.32 %	37.14 %
60°	53.69	425.11	5.37 %	42.51 %
65°	53.34	478.45	5.33 %	47.84 %
70°	52.28	530.73	5.23 %	53.07 %
75°	50.53	581.26	5.05 %	58.13 %
80°	48.31	629.57	4.83 %	62.96 %
85°	45.51	675.08	4.55 %	67.51 %
90°	42.24	717.32	4.22 %	71.73 %
95°	38.86	756.17	3.89 %	75.62 %
100°	35.36	791.54	3.54 %	79.15 %
105°	31.96	823.50	3.20 %	82.35 %
110°	28.65	852.15	2.86 %	85.21 %
115°	25.45	877.60	2.55 %	87.76 %
120°	22.37	899.98	2.24 %	90.00 %
125°	19.44	919.41	1.94 %	91.94 %
130°	16.71	936.12	1.67 %	93.61 %
135°	14.24	950.36	1.42 %	95.04 %
140°	12.01	962.37	1.20 %	96.24 %
145°	10.04	972.40	1.00 %	97.24 %
150°	8.28	980.68	0.83 %	98.07 %
155°	6.72	987.40	0.67 %	98.74 %
160°	5.29	992.68	0.53 %	99.27 %
165°	3.87	996.55	0.39 %	99.66 %
170°	2.40	998.95	0.24 %	99.89 %
175°	0.92	999.87	0.09 %	99.99 %
180°	0.13	1000.00	0.01 %	100.00 %

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Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m

