

Luminaria

Código A691-240
Nombre DIPPING LIGHT 13 OFF-WHITE

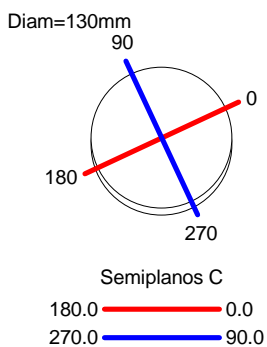
Ensayo

Código CL041A20F001G
Nombre DIPPING LIGHT 13 OFF-WHITE

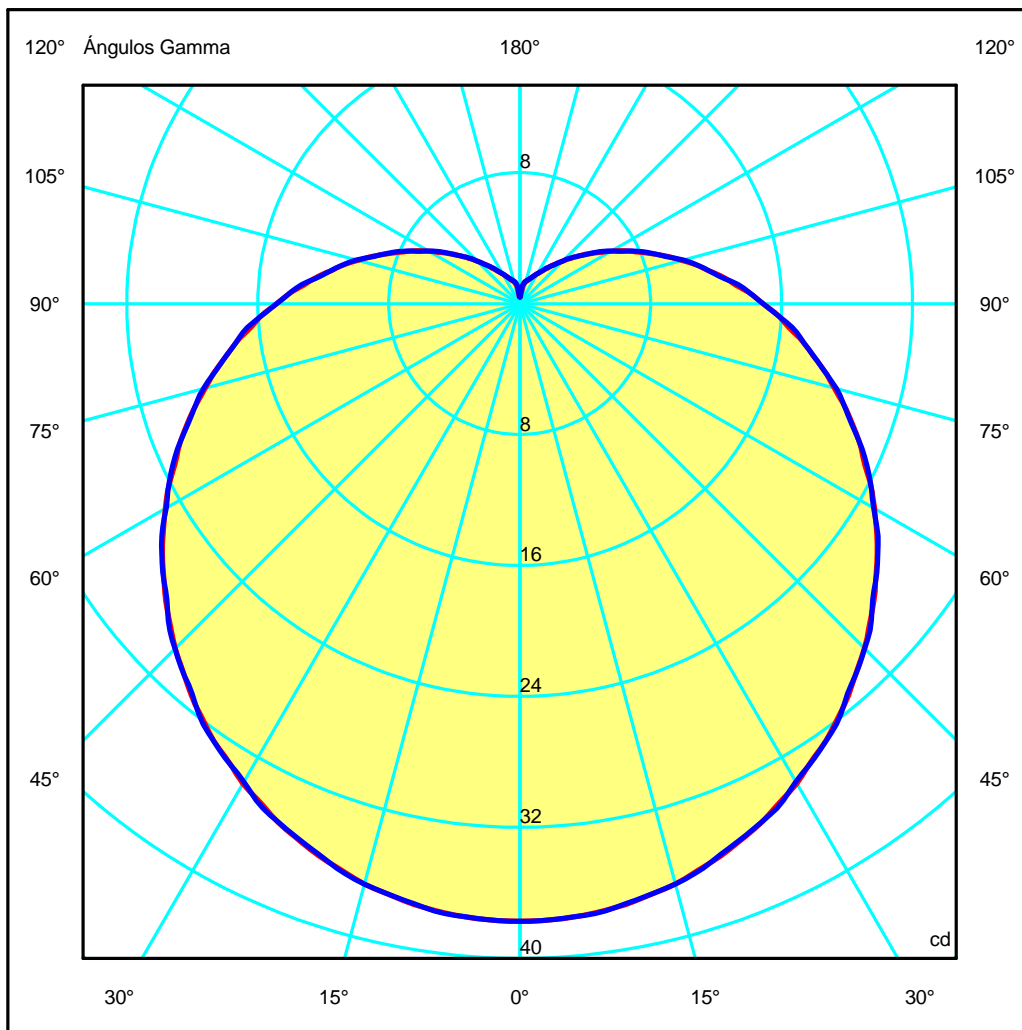
Flujo Luminaria	203.29 lm	Potencia luminaria	4.46 W	Eficacia	45.54 lm/W	Eficiencia	100.00%
Flujo Fuentes	203.29 lm	Valor Máximo	37.74 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico
Luminaria Redonda		Diam.	130 mm	Altura	130 mm		
Área Luminosa Redonda		Diam.	130 mm	Altura	130 mm		
Área Luminosa Horizontal		0.013273 m2		Área Emisión sobre Pl. 180°		0.016900 m2	
Área Emisión sobre Pl. 0°		0.016900 m2		Área Emisión sobre Pl. 270°		0.016900 m2	
Área Emisión sobre Pl. 90°		0.016900 m2		Área de deslumbramiento a 76°		0.019609 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		203.29 lm	
Operador		Asselum T2		Tensión Nominal		230.27 V	
Temperatura		24.90 °C		Corriente Nominal		0.04 A	
Humedad		34.90 %		Fotocélula		Prc	
Notas		RM20022603.1					

Lámparas de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	34 61 83 79 100	D DIN 5040	203.29	4.46	1
F UTE	0.79 H + 0.21 T	B NBN	B21	BZ 6	



ULOR 21.46 %
DLOR 78.54 %
RN 21.46 %



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Tabla de Intensidad Luminosa cd Tabla 1/1

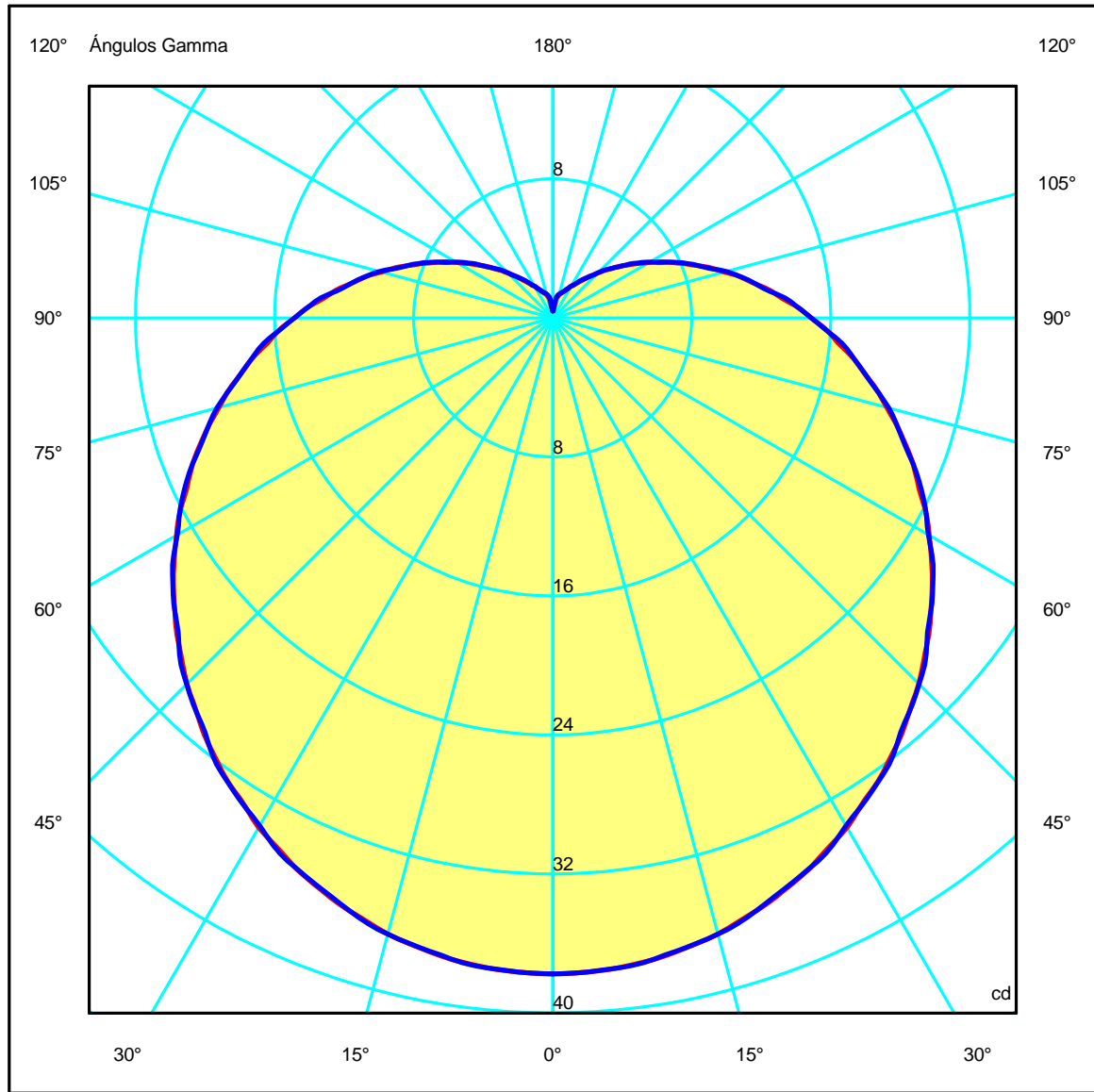
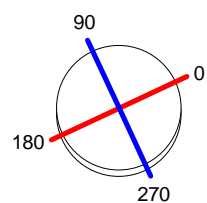
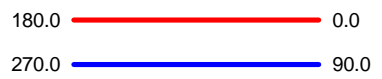
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	38	38	38	38	38	38	38
G 2.5	38	38	38	38	38	38	38
G 5.0	38	38	38	38	38	38	38
G 7.5	37	37	37	37	37	37	38
G 10.0	37	37	37	37	37	37	37
G 12.5	37	37	37	37	37	37	37
G 15.0	37	37	37	37	37	37	37
G 17.5	36	36	36	36	36	36	36
G 20.0	36	36	36	36	36	36	36
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	31	31	31	31	31	31
G 42.5	30	30	30	30	30	30	30
G 45.0	30	30	30	30	30	30	30
G 47.5	29	29	29	29	29	29	29
G 50.0	28	28	28	28	28	28	28
G 52.5	27	27	27	27	27	28	27
G 55.0	27	27	27	27	27	27	27
G 57.5	26	26	26	26	26	26	26
G 60.0	25	25	25	25	25	25	25
G 62.5	24	24	24	24	24	24	24
G 65.0	23	23	23	23	23	23	23
G 67.5	23	22	23	22	22	23	23
G 70.0	22	22	22	22	22	22	22
G 72.5	21	21	21	21	21	21	21
G 75.0	20	20	20	20	20	20	20
G 77.5	19	19	19	19	19	19	19
G 80.0	18	18	18	18	18	18	18
G 82.5	17	17	17	17	17	17	17
G 85.0	16	17	17	17	16	17	17
G 87.5	16	16	16	16	16	16	16
G 90.0	15	15	15	15	15	15	15
G 92.5	14	14	14	14	14	14	14
G 95.0	13	13	13	13	13	13	13
G 97.5	13	13	12	12	13	13	12
G100.0	12	12	12	12	12	12	12
G102.5	11	11	11	11	11	11	11
G105.0	10	10	10	10	10	10	10
G107.5	10	10	10	10	10	10	9
G110.0	9	9	9	9	9	9	9
G112.5	8	8	8	8	8	8	8
G115.0	8	8	8	8	8	8	8
G117.5	7	7	7	7	7	7	7
G120.0	6	6	6	6	6	6	6
G122.5	6	6	6	6	6	6	6
G125.0	5	5	5	5	5	5	5
G127.5	5	5	5	5	5	5	5
G130.0	4	4	4	4	4	5	4
G132.5	4	4	4	4	4	4	4
G135.0	4	4	4	4	4	4	4
G137.5	3	3	3	3	3	3	3
G140.0	3	3	3	3	3	3	3
G142.5	3	3	3	3	3	3	3
G145.0	2	2	3	3	2	3	3
G147.5	2	2	2	2	2	2	2
G150.0	2	2	2	2	2	2	2
G152.5	2	2	2	2	2	2	2
G155.0	2	2	2	2	2	2	2
G157.5	2	2	2	2	2	2	2
G160.0	2	2	2	2	2	2	2
G162.5	1	1	1	1	1	1	2
G165.0	1	1	1	1	1	1	1
G167.5	1	1	1	1	1	1	1
G170.0	1	1	1	1	1	1	1
G172.5	1	1	1	1	1	1	1
G175.0	0	1	1	1	1	1	1
G177.5	0	0	0	1	0	1	0
G180.0	0	0	0	0	0	0	0

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Diam=130mm

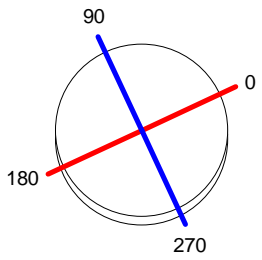
Semiplanos C



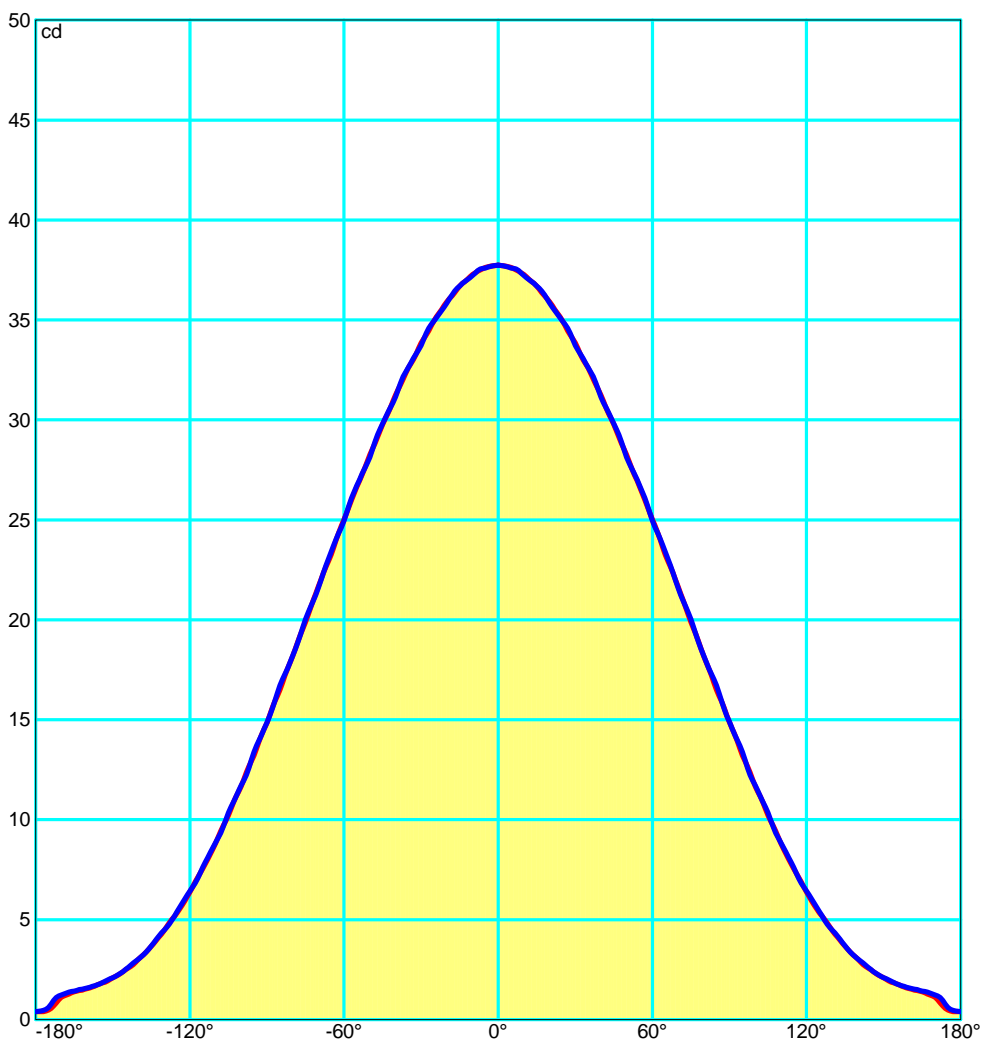
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Diam=130mm



Semiplanos C
180.0 ——— 0.0
270.0 ——— 90.0



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Flujo Fuentes	203.29 lm	Valor Máximo	37.74 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	11.7	12.9	12.3	13.5	14.2	11.7	12.9	12.3	13.5	14.2
x=2H y=3H	13.7	14.8	14.3	15.5	16.2	13.7	14.8	14.4	15.5	16.2
x=2H y=4H	14.7	15.8	15.4	16.4	17.1	14.7	15.8	15.4	16.4	17.2
x=2H y=6H	15.7	16.7	16.3	17.3	18.1	15.7	16.7	16.3	17.3	18.1
x=2H y=8H	16.1	17.1	16.8	17.7	18.5	16.2	17.1	16.8	17.8	18.5
x=2H y=12H	16.6	17.5	17.3	18.2	18.9	16.6	17.5	17.3	18.2	19.0
x=4H y=2H	12.5	13.6	13.1	14.2	14.9	12.5	13.6	13.2	14.2	14.9
x=4H y=3H	14.7	15.6	15.4	16.3	17.1	14.7	15.6	15.4	16.3	17.1
x=4H y=4H	15.9	16.7	16.6	17.4	18.2	15.9	16.7	16.6	17.4	18.2
x=4H y=6H	17.0	17.7	17.7	18.4	19.3	17.0	17.7	17.7	18.4	19.3
x=4H y=8H	17.5	18.2	18.2	18.9	19.8	17.5	18.2	18.3	18.9	19.8
x=4H y=12H	18.1	18.7	18.8	19.4	20.3	18.1	18.7	18.8	19.4	20.3
x=8H y=4H	16.4	17.0	17.1	17.8	18.6	16.4	17.0	17.1	17.8	18.6
x=8H y=6H	17.7	18.3	18.4	19.0	19.9	17.7	18.3	18.4	19.0	19.9
x=8H y=8H	18.4	18.9	19.1	19.7	20.6	18.4	18.9	19.2	19.7	20.6
x=8H y=12H	19.1	19.5	19.8	20.3	21.2	19.1	19.5	19.8	20.3	21.2
x=12H y=4H	16.4	17.1	17.2	17.8	18.7	16.4	17.1	17.2	17.8	18.7
x=12H y=6H	17.9	18.4	18.6	19.1	20.0	17.9	18.4	18.6	19.1	20.1
x=12H y=8H	18.6	19.1	19.4	19.9	20.8	18.6	19.1	19.4	19.9	20.8

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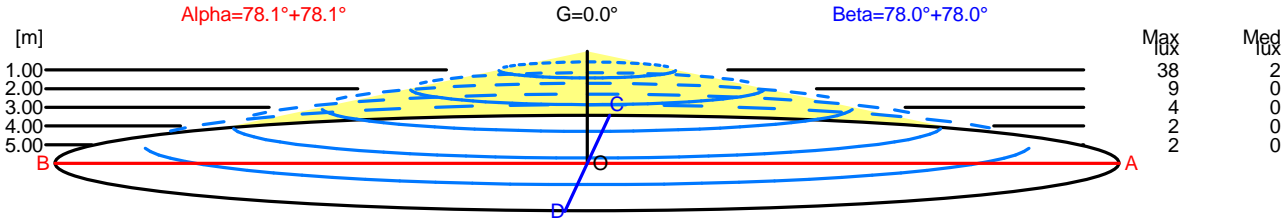
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Apertura a 50.00 % de Max Intensidad

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	4.75	9.50	14.25	18.99	23.74	OC	4.71	9.41	14.12	18.82	23.53
OB	4.75	9.50	14.25	18.99	23.74	OD	4.71	9.41	14.12	18.82	23.53

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	37.74	37.63	36.70	34.96	32.60	29.78	26.65	23.25	19.88	16.48
OB	37.74	37.63	36.70	34.96	32.60	29.78	26.65	23.25	19.88	16.48
OC	37.74	37.60	36.70	34.94	32.61	29.81	26.70	23.40	20.02	16.71
OD	37.74	37.60	36.70	34.94	32.61	29.81	26.70	23.40	20.02	16.71



H[m]	D[m]	Max lux	Med lux	Alpha=78.1°+78.1°	G=0.0	
1.00	9.50	38	2			
2.00	18.99	9	0			
3.00	28.49	4	0			
4.00	37.99	2	0			
5.00	47.49	2	0			

H[m]	D[m]	Max lux	Med lux	Beta=78.0°+78.0°	G=0.0	
1.00	9.41	38	2			
2.00	18.82	9	0			
3.00	28.24	4	0			
4.00	37.65	2	0			
5.00	47.06	2	0			

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Flujo Total=203.29 Flujo Luminaria=203.29

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	0.22	0.28	0.35	0.41	0.46	0.54	0.60	0.65	0.71	0.75	0.85	0.91
RC	7	7	7	7	8	8	8	8	8	8	8	8

Flujo Zonal por 1000 Lúmenes

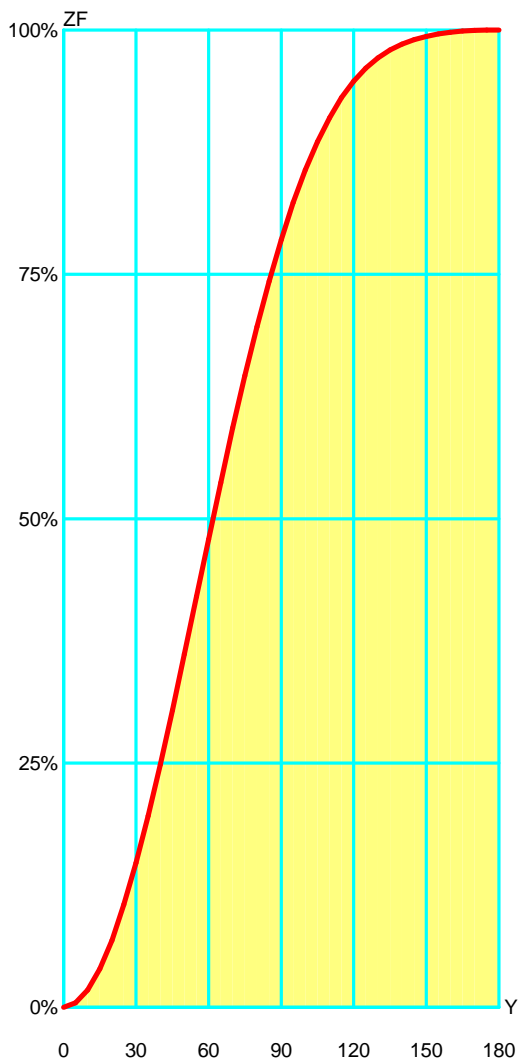
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	18	69	148	248	361	479	593	696	785	857	910	948	972	986	994	998	1000	1000

Códigos de Flujo C.I.E.

34 61 83 79 100

C.I.E. 7/7/7/8/8/8/8/8/8/8
D DIN 5040 B21
F UTE 0.79 H + 0.21 T
B NBN BZ 6
RN 21.46192 %
BLF 1.0

LOR 100.00000 %
ULOR 21.46192 %
DLOR 78.53808 %
UFF 21.46192 %
DFF 78.53808 %
FFR 27.32677 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	4.43	4.43	0.44 %	0.44 %
10°	13.17	17.60	1.32 %	1.76 %
15°	21.57	39.17	2.16 %	3.92 %
20°	29.41	68.58	2.94 %	6.86 %
25°	36.52	105.10	3.65 %	10.51 %
30°	42.77	147.87	4.28 %	14.79 %
35°	48.06	195.93	4.81 %	19.59 %
40°	52.33	248.26	5.23 %	24.83 %
45°	55.53	303.79	5.55 %	30.38 %
50°	57.65	361.44	5.76 %	36.14 %
55°	58.70	420.14	5.87 %	42.01 %
60°	58.75	478.89	5.87 %	47.89 %
65°	57.83	536.72	5.78 %	53.67 %
70°	56.04	592.76	5.60 %	59.28 %
75°	53.47	646.23	5.35 %	64.62 %
80°	50.25	696.48	5.03 %	69.65 %
85°	46.51	742.99	4.65 %	74.30 %
90°	42.39	785.38	4.24 %	78.54 %
95°	37.94	823.32	3.79 %	82.33 %
100°	33.41	856.73	3.34 %	85.67 %
105°	28.94	885.67	2.89 %	88.57 %
110°	24.60	910.28	2.46 %	91.03 %
115°	20.50	930.78	2.05 %	93.08 %
120°	16.78	947.55	1.68 %	94.76 %
125°	13.43	960.98	1.34 %	96.10 %
130°	10.53	971.51	1.05 %	97.15 %
135°	8.09	979.60	0.81 %	97.96 %
140°	6.09	985.70	0.61 %	98.57 %
145°	4.53	990.22	0.45 %	99.02 %
150°	3.32	993.54	0.33 %	99.35 %
155°	2.42	995.96	0.24 %	99.60 %
160°	1.73	997.69	0.17 %	99.77 %
165°	1.20	998.89	0.12 %	99.89 %
170°	0.74	999.63	0.07 %	99.96 %
175°	0.31	999.94	0.03 %	99.99 %
180°	0.06	1000.00	0.01 %	100.00 %

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Isolux (Suelo)

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

