

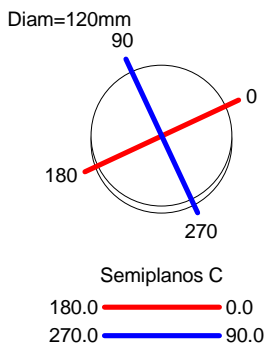
## Luminaria

Código A691-100  
 Nombre DIPPING LIGHT  
**Ensayo**  
 Código CL041A18F010G  
 Nombre DIPPING LIGHT

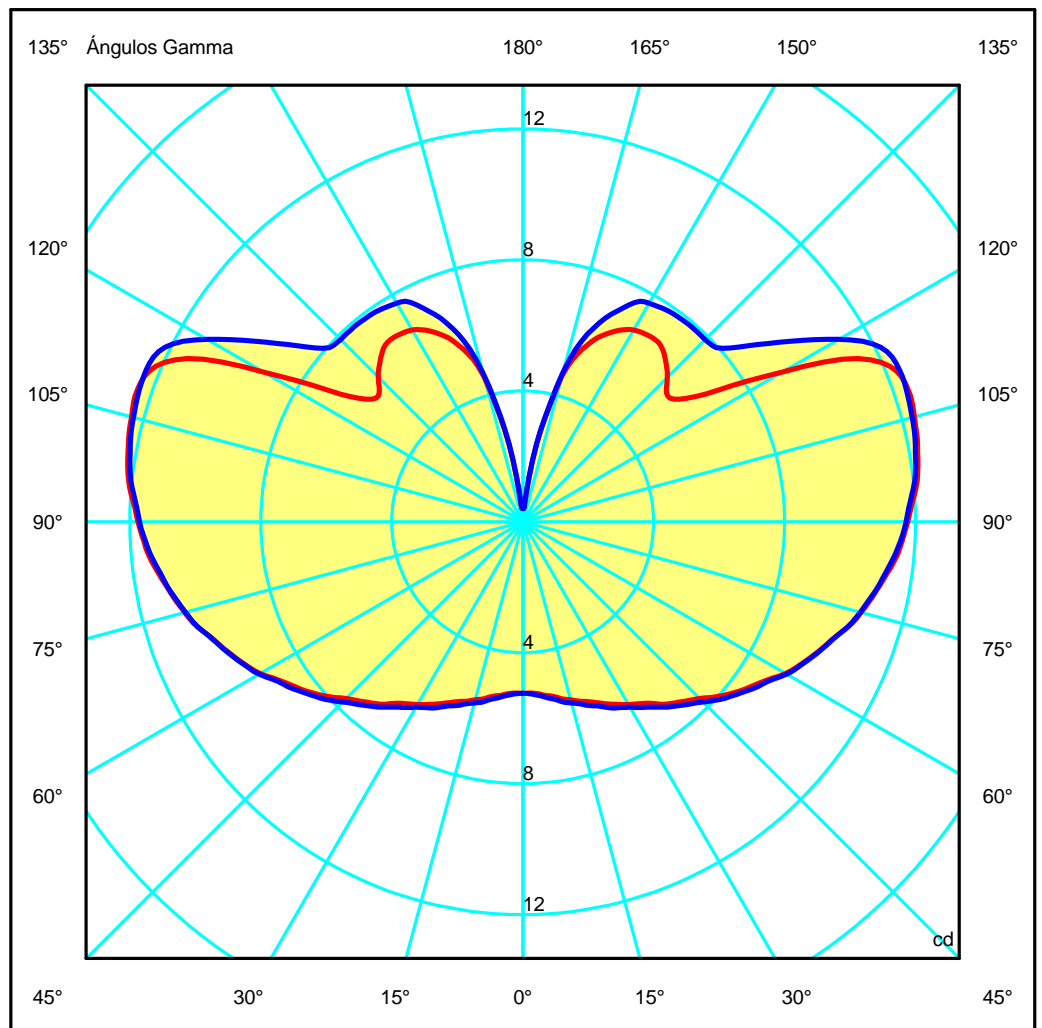
Flujo Luminaria	123.22 lm	Potencia luminaria	3.86 W	Eficacia	31.89 lm/W	Eficiencia	100.00%
Flujo de Lámpara	123.22 lm	Valor Máximo	12.56 cd	Posición	C=45.00 G=112.50	CG	Asimétrico
Luminaria Redonda Área Luminosa Redonda	Diam. Diam.	120 mm 120 mm	Altura Altura	230 mm 120 mm			
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°	0.011310 m2 0.014400 m2 0.014400 m2	Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°		0.014400 m2 0.014400 m2 0.016708 m2			
Sist. de Coorden. Fecha Distancia de Ensayo	CG 21-12-2018 6.44	Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo		Asimétrico 180 123.22 lm			
Operador Temperatura Humedad Notas	Asselum T2 24.90 °C 31.30 % RM1821701.2	Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula		230.30 V 0.04 A Prc			

## Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	A691-100	DIPPING LIGHT	123.22	3.86	1
C.I.E. F UTE	18 41 69 46 100 0.46 J + 0.54 T	D DIN 5040 B NBN	C12 BZ 9 / 1 / BZ 10		



ULOR 54.07 %  
 DLOR 45.93 %  
 RN 54.07 %



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Flujo Luminaria 123.22 lm Potencia luminaria 3.86 W Eficacia 31.89 lm/W Eficiencia 100.00%  
Flujo de Lámpara 123.22 lm Valor Máximo 12.56 cd Posición C=45.00 G=112.50 CG Asimétrico

Tabla de Intensidad Luminosa cd Tabla 1/2

Table with 14 columns (C 0.00 to C 180.00) and 100 rows (G 0.0 to G 180.0) showing luminous intensity values.

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**Tabla de Intensidad Luminosa cd Tabla 2/2**

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23	5.23
G 2.5	5.25	5.28	5.27	5.29	5.25	5.26	5.25	5.29	5.27	5.28	5.25
G 5.0	5.29	5.34	5.34	5.34	5.32	5.31	5.32	5.34	5.34	5.34	5.29
G 7.5	5.36	5.41	5.41	5.42	5.41	5.41	5.41	5.42	5.41	5.41	5.36
G 10.0	5.45	5.50	5.50	5.52	5.51	5.49	5.51	5.52	5.50	5.50	5.45
G 12.5	5.53	5.60	5.62	5.64	5.62	5.63	5.62	5.64	5.62	5.60	5.53
G 15.0	5.65	5.69	5.70	5.73	5.72	5.72	5.72	5.73	5.70	5.69	5.65
G 17.5	5.75	5.79	5.80	5.83	5.83	5.83	5.83	5.83	5.80	5.79	5.75
G 20.0	5.86	5.91	5.90	5.94	5.94	5.97	5.94	5.94	5.90	5.91	5.86
G 22.5	6.00	6.05	6.02	6.08	6.09	6.09	6.09	6.08	6.02	6.05	6.00
G 25.0	6.13	6.17	6.21	6.23	6.23	6.26	6.23	6.23	6.21	6.17	6.13
G 27.5	6.29	6.32	6.34	6.37	6.40	6.40	6.40	6.37	6.34	6.32	6.29
G 30.0	6.44	6.47	6.50	6.53	6.55	6.54	6.55	6.53	6.50	6.47	6.44
G 32.5	6.60	6.64	6.65	6.70	6.70	6.72	6.70	6.70	6.65	6.64	6.60
G 35.0	6.81	6.85	6.85	6.87	6.91	6.90	6.91	6.87	6.85	6.85	6.81
G 37.5	7.00	7.05	7.07	7.08	7.13	7.14	7.13	7.08	7.07	7.05	7.00
G 40.0	7.21	7.25	7.25	7.30	7.33	7.34	7.33	7.30	7.25	7.25	7.21
G 42.5	7.43	7.45	7.45	7.49	7.52	7.55	7.52	7.49	7.45	7.45	7.43
G 45.0	7.67	7.66	7.66	7.71	7.76	7.77	7.76	7.71	7.66	7.66	7.67
G 47.5	7.91	7.92	7.91	7.96	8.01	8.06	8.01	7.96	7.91	7.92	7.91
G 50.0	8.16	8.20	8.18	8.19	8.26	8.29	8.26	8.19	8.18	8.20	8.16
G 52.5	8.42	8.42	8.42	8.46	8.50	8.52	8.50	8.46	8.42	8.42	8.42
G 55.0	8.66	8.67	8.66	8.68	8.74	8.76	8.74	8.68	8.66	8.67	8.66
G 57.5	8.95	8.94	8.91	8.94	8.99	8.98	8.99	8.94	8.91	8.94	8.95
G 60.0	9.20	9.20	9.23	9.21	9.26	9.30	9.26	9.21	9.23	9.20	9.20
G 62.5	9.48	9.48	9.47	9.47	9.53	9.53	9.53	9.47	9.47	9.48	9.48
G 65.0	9.71	9.73	9.72	9.71	9.76	9.75	9.76	9.71	9.72	9.73	9.71
G 67.5	9.95	9.96	9.95	9.97	9.98	9.98	9.98	9.97	9.95	9.96	9.95
G 70.0	10.21	10.24	10.21	10.18	10.23	10.20	10.23	10.18	10.21	10.24	10.21
G 72.5	10.44	10.49	10.49	10.46	10.46	10.47	10.46	10.46	10.49	10.49	10.44
G 75.0	10.69	10.72	10.71	10.69	10.67	10.67	10.67	10.69	10.71	10.72	10.69
G 77.5	10.89	10.92	10.91	10.89	10.88	10.88	10.88	10.89	10.91	10.92	10.89
G 80.0	11.08	11.12	11.10	11.08	11.09	11.05	11.09	11.08	11.10	11.12	11.08
G 82.5	11.29	11.33	11.31	11.28	11.28	11.22	11.28	11.28	11.31	11.33	11.29
G 85.0	11.48	11.53	11.51	11.46	11.46	11.42	11.46	11.46	11.51	11.53	11.48
G 87.5	11.64	11.68	11.67	11.63	11.60	11.57	11.60	11.63	11.67	11.68	11.64
G 90.0	11.78	11.81	11.79	11.78	11.74	11.71	11.74	11.78	11.79	11.81	11.78
G 92.5	11.93	11.96	11.91	11.90	11.88	11.82	11.88	11.90	11.91	11.96	11.93
G 95.0	12.05	12.07	12.08	12.04	12.01	11.98	12.01	12.04	12.08	12.07	12.05
G 97.5	12.16	12.21	12.20	12.18	12.13	12.10	12.13	12.18	12.20	12.21	12.16
G100.0	12.25	12.29	12.30	12.27	12.24	12.18	12.24	12.27	12.30	12.29	12.25
G102.5	12.34	12.37	12.39	12.35	12.30	12.27	12.30	12.35	12.39	12.37	12.34
G105.0	12.41	12.45	12.45	12.41	12.38	12.32	12.38	12.41	12.45	12.45	12.41
G107.5	12.46	12.50	12.50	12.47	12.43	12.36	12.43	12.47	12.50	12.50	12.46
G110.0	12.50	12.52	12.53	12.49	12.47	12.40	12.47	12.49	12.53	12.52	12.50
G112.5	12.53	12.55	12.56	12.52	12.47	12.40	12.47	12.52	12.56	12.55	12.53
G115.0	12.44	12.55	12.55	12.51	12.47	12.28	12.47	12.51	12.55	12.55	12.44
G117.5	12.09	12.53	12.52	12.50	12.33	11.88	12.33	12.50	12.52	12.53	12.09
G120.0	11.56	12.49	12.50	12.48	11.95	11.14	11.95	12.48	12.50	12.49	11.56
G122.5	10.86	12.40	12.45	12.42	11.41	10.35	11.41	12.42	12.45	12.40	10.86
G125.0	10.22	12.30	12.39	12.38	10.92	9.56	10.92	12.38	12.39	12.30	10.22
G127.5	9.55	12.21	12.33	12.29	10.42	8.87	10.42	12.29	12.33	12.21	9.55
G130.0	8.97	12.08	12.24	12.22	9.91	8.27	9.91	12.22	12.24	12.08	8.97
G132.5	8.48	11.89	12.14	12.06	9.45	7.91	9.45	12.06	12.14	11.89	8.48
G135.0	8.10	11.61	12.03	11.82	9.03	7.88	9.03	11.82	12.03	11.61	8.10
G137.5	7.83	11.22	11.92	11.40	8.63	7.88	8.63	11.40	11.92	11.22	7.83
G140.0	7.58	10.79	11.79	11.01	8.29	7.88	8.29	11.01	11.79	10.79	7.58
G142.5	7.39	10.30	11.54	10.47	8.02	7.85	8.02	10.47	11.54	10.30	7.39
G145.0	7.23	9.75	11.06	10.02	7.79	7.83	7.79	10.02	11.06	9.75	7.23
G147.5	7.13	9.28	10.46	9.54	7.67	7.78	7.67	9.54	10.46	9.28	7.13
G150.0	7.00	8.78	9.78	9.03	7.57	7.71	7.57	9.03	9.78	8.78	7.00
G152.5	6.83	8.16	9.04	8.40	7.43	7.58	7.43	8.40	9.04	8.16	6.83
G155.0	6.62	7.49	8.14	7.67	7.16	7.19	7.16	7.67	8.14	7.49	6.62
G157.5	6.26	6.84	7.43	7.04	6.71	6.80	6.71	7.04	7.43	6.84	6.26
G160.0	5.85	6.27	6.70	6.38	6.21	6.29	6.21	6.38	6.70	6.27	5.85
G162.5	5.33	5.66	5.94	5.71	5.60	5.66	5.60	5.71	5.94	5.66	5.33
G165.0	4.62	4.81	4.96	4.90	4.78	4.73	4.78	4.90	4.96	4.81	4.62
G167.5	3.65	3.81	3.95	3.87	3.68	3.51	3.68	3.87	3.95	3.81	3.65
G170.0	2.34	2.82	3.02	2.85	2.38	2.44	2.38	2.85	3.02	2.82	2.34
G172.5	1.20	1.66	1.51	1.74	1.23	1.14	1.23	1.74	1.51	1.66	1.20
G175.0	0.68	0.61	1.02	0.60	0.77	0.46	0.77	0.60	1.02	0.61	0.68
G177.5	0.43	0.45	0.49	0.44	0.43	0.40	0.43	0.44	0.45	0.43	0.43
G180.0	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42

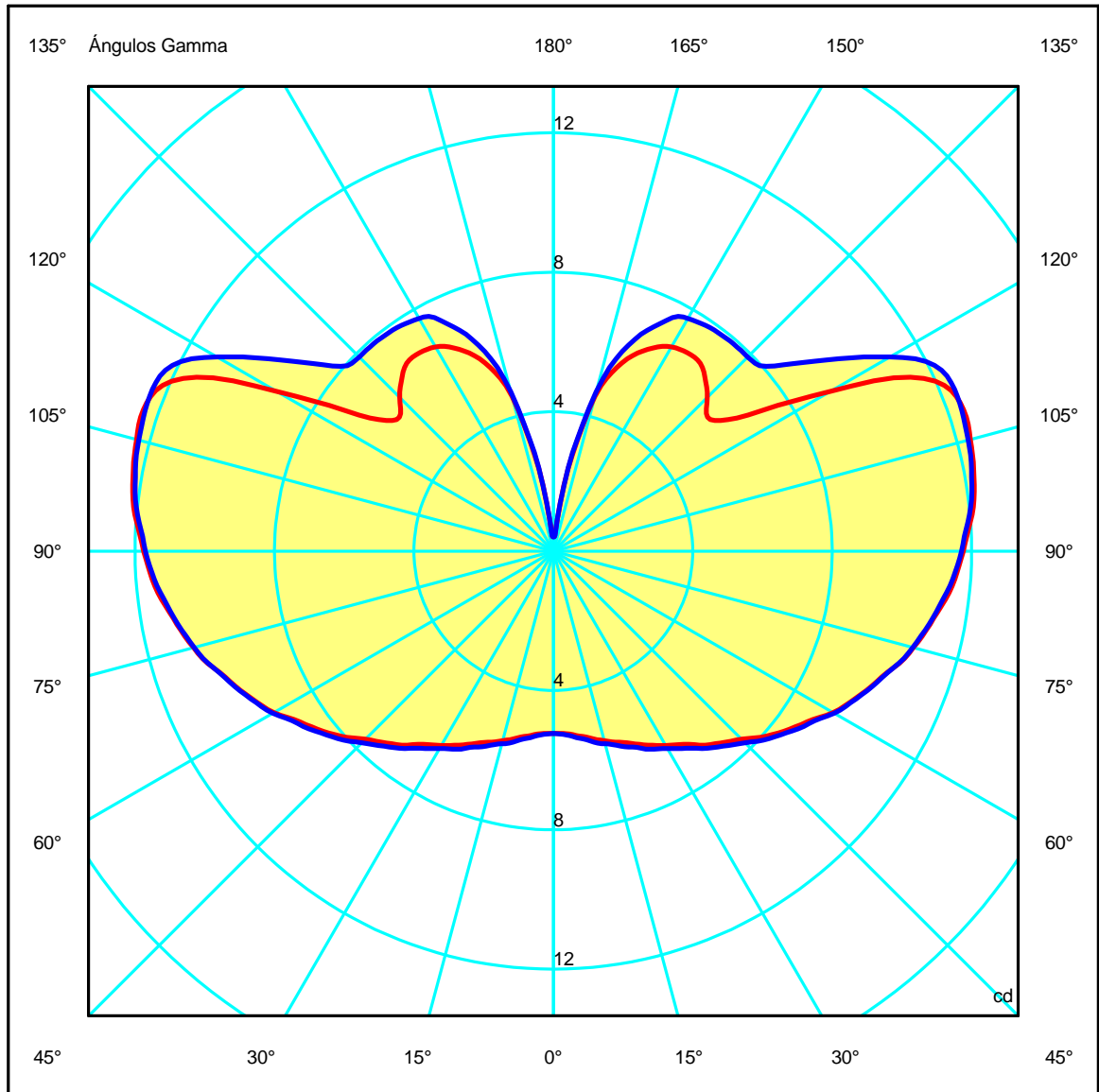
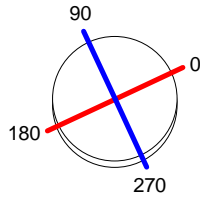
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Flujo Luminaria	123.22 lm	Potencia luminaria	3.86 W	Eficacia	31.89 lm/W	Eficiencia	100.00%
Flujo de Lámpara	123.22 lm	Valor Máximo	12.56 cd	Posición	C=45.00 G=112.50	CG	Asimétrico

Diam=120mm

Semiplanos C

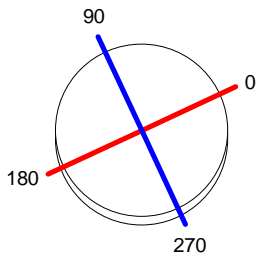
180.0 ——— 0.0  
 270.0 ——— 90.0



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**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	5.9	6.9	6.8	7.8	9.1	5.9	6.9	6.9	7.8	9.1
x=2H y=3H	9.0	9.8	9.9	10.8	12.1	9.0	9.8	9.9	10.8	12.1
x=2H y=4H	10.6	11.4	11.5	12.4	13.7	10.6	11.4	11.6	12.4	13.7
x=2H y=6H	12.2	12.9	13.1	13.9	15.2	12.2	12.9	13.1	13.9	15.2
x=2H y=8H	13.0	13.7	13.9	14.7	16.0	12.9	13.7	13.9	14.7	16.0
x=2H y=12H	13.7	14.4	14.7	15.4	16.8	13.7	14.4	14.7	15.4	16.8
x=4H y=2H	7.0	7.8	8.0	8.8	10.1	7.0	7.8	8.0	8.8	10.1
x=4H y=3H	10.2	10.9	11.2	11.9	13.2	10.2	10.9	11.2	11.9	13.2
x=4H y=4H	11.9	12.5	12.9	13.5	14.9	11.9	12.5	12.9	13.5	14.9
x=4H y=6H	13.6	14.2	14.6	15.2	16.6	13.6	14.2	14.6	15.2	16.6
x=4H y=8H	14.5	15.0	15.5	16.0	17.4	14.5	15.0	15.5	16.0	17.4
x=4H y=12H	15.3	15.8	16.3	16.8	18.2	15.3	15.8	16.3	16.8	18.2
x=8H y=4H	12.6	13.1	13.6	14.1	15.5	12.6	13.1	13.6	14.1	15.5
x=8H y=6H	14.5	14.9	15.5	16.0	17.4	14.5	14.9	15.5	16.0	17.4
x=8H y=8H	15.5	15.9	16.6	17.0	18.4	15.5	15.9	16.5	17.0	18.4
x=8H y=12H	16.5	16.9	17.6	18.0	19.4	16.5	16.9	17.6	17.9	19.4
x=12H y=4H	12.7	13.2	13.7	14.2	15.6	12.7	13.2	13.7	14.2	15.6
x=12H y=6H	14.7	15.1	15.8	16.2	17.6	14.7	15.1	15.8	16.2	17.6
x=12H y=8H	15.8	16.2	16.9	17.3	18.7	15.8	16.2	16.9	17.3	18.7

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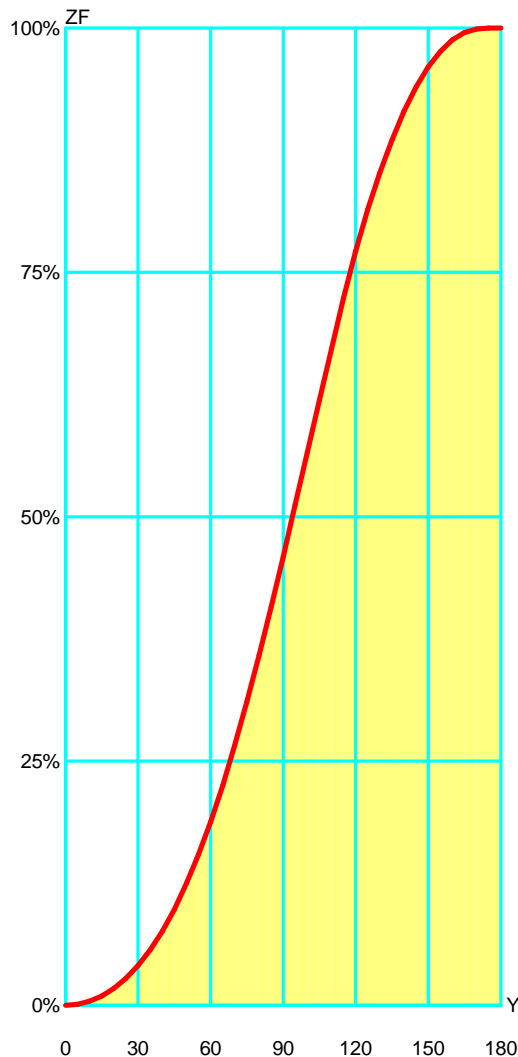
Flujo Total=123.22 Flujo Luminaria=123.22

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	0.11	0.16	0.21	0.26	0.31	0.39	0.45	0.50	0.57	0.62	0.76	0.85
RC	10	10	10	10	10	10	10	10	10	10	10	10

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)	4	17	41	76	124	188	266	358	459	566	672	772	852	915	960	988	999	1000

Códigos de Flujo C.I.E.  
 18 41 69 46 100

C.I.E.	10	LOR	100.00000 %
D DIN 5040	C12	ULOR	54.07219 %
F UTE	0.46 J + 0.54 T	DLOR	45.92781 %
B NBN	BZ 9 / 1 / BZ 10	UFF	54.07219 %
RN	54.07219 %	DFF	45.92781 %
BLF	1.0	FFR	117.73300 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.02	1.02	0.10 %	0.10 %
10°	3.14	4.16	0.31 %	0.42 %
15°	5.39	9.56	0.54 %	0.96 %
20°	7.76	17.32	0.78 %	1.73 %
25°	10.30	27.62	1.03 %	2.76 %
30°	13.04	40.66	1.30 %	4.07 %
35°	15.94	56.60	1.59 %	5.66 %
40°	19.14	75.74	1.91 %	7.57 %
45°	22.48	98.22	2.25 %	9.82 %
50°	26.08	124.30	2.61 %	12.43 %
55°	29.82	154.12	2.98 %	15.41 %
60°	33.60	187.72	3.36 %	18.77 %
65°	37.43	225.15	3.74 %	22.52 %
70°	40.96	266.11	4.10 %	26.61 %
75°	44.38	310.50	4.44 %	31.05 %
80°	47.31	357.81	4.73 %	35.78 %
85°	49.78	407.59	4.98 %	40.76 %
90°	51.69	459.28	5.17 %	45.93 %
95°	52.92	512.20	5.29 %	51.22 %
100°	53.63	565.83	5.36 %	56.58 %
105°	53.58	619.41	5.36 %	61.94 %
110°	52.83	672.25	5.28 %	67.22 %
115°	51.26	723.51	5.13 %	72.35 %
120°	48.04	771.55	4.80 %	77.15 %
125°	42.98	814.52	4.30 %	81.45 %
130°	37.88	852.40	3.79 %	85.24 %
135°	33.36	885.76	3.34 %	88.58 %
140°	29.16	914.92	2.92 %	91.49 %
145°	24.85	939.76	2.48 %	93.98 %
150°	20.47	960.23	2.05 %	96.02 %
155°	16.04	976.27	1.60 %	97.63 %
160°	11.57	987.84	1.16 %	98.78 %
165°	7.48	995.32	0.75 %	99.53 %
170°	3.64	998.96	0.36 %	99.90 %
175°	0.94	999.90	0.09 %	99.99 %
180°	0.10	1000.00	0.01 %	100.00 %

**Luminaria**  
Código A691-100  
Nombre DIPPING LIGHT  
**Ensayo**  
Código CL041A18F010G  
Nombre DIPPING LIGHT

Flujo Luminaria	123.22 lm	Potencia luminaria	3.86 W	Eficacia	31.89 lm/W	Eficiencia	100.00%
Flujo de Lámpara	123.22 lm	Valor Máximo	12.56 cd	Posición	C=45.00 G=112.50	CG	Asimétrico

Isolux (Suelo)

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

