

## Luminaire

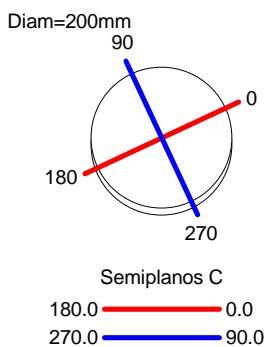
Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measurerm.

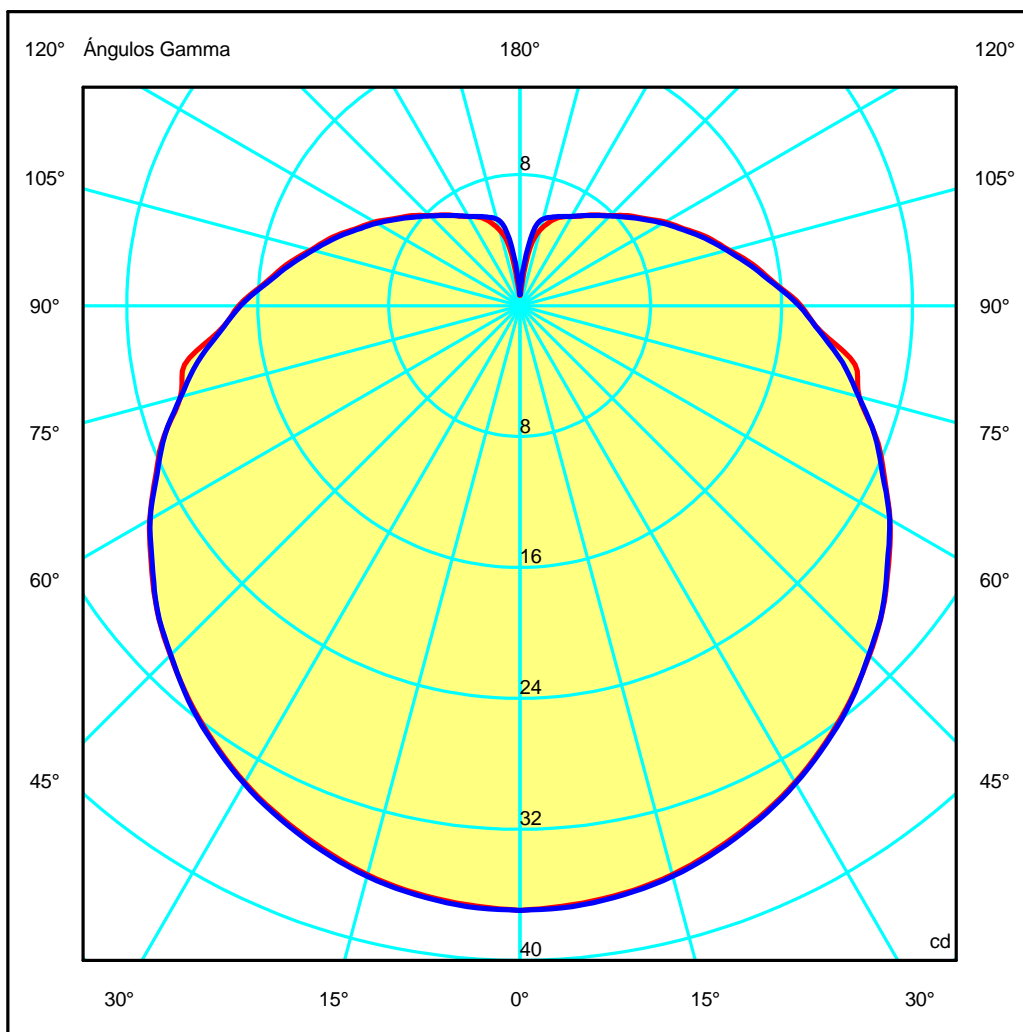
Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	200 mm	Height	200 mm		
Round Luminous Area		Diam.	200 mm	Height	200 mm		
Horizontal Luminous Area		0.031416 m2		Emitting area on Plane 180°		0.040000 m2	
Emitting area on Plane 0°		0.040000 m2		Emitting area on Plane 270°		0.040000 m2	
Emitting area on Plane 90°		0.040000 m2		Glare area at 76°		0.046412 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		05-03-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		231.07 lm	
Operator		Asselum T2		Rated Voltage		230.27 V	
Temperature		24.90 °C		Rated Current		0.04 A	
Humidity		34.80 %		Photocell		Prc	
Notes		RM20022603.2					

Line	Code LED	Luminaire Lamps Name LED	Flux [lm] 231.07	Pow. [W] 4.42	Q.ty 1
C.I.E. F UTE	32 59 82 72 100 0.72 H + 0.28 T	D DIN 5040 B NBN	B21 BZ 6		



ULOR 28.27 %  
DLOR 71.73 %  
RN 28.27 %



## Luminaire

Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measur.

Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	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

## Luminaire

Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measurerm.

Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

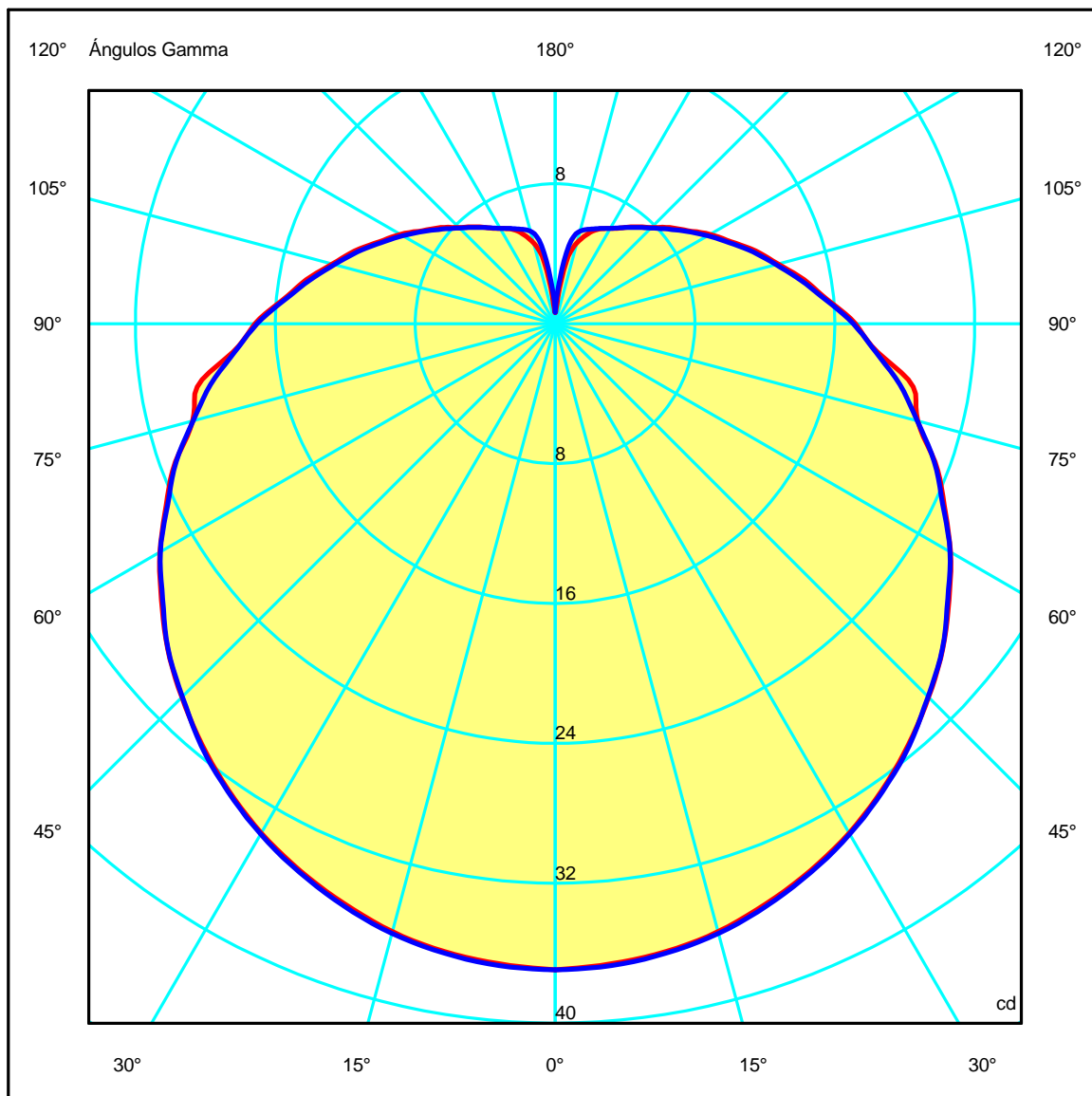
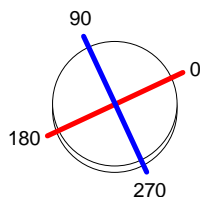
Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=200mm

Semiplanos C

180.0 ————— 0.0

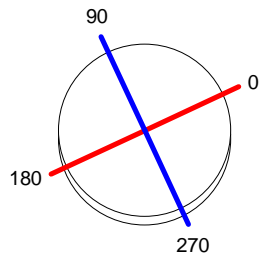
270.0 ————— 90.0



**Luminaire**  
Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE  
**Measur.**  
Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

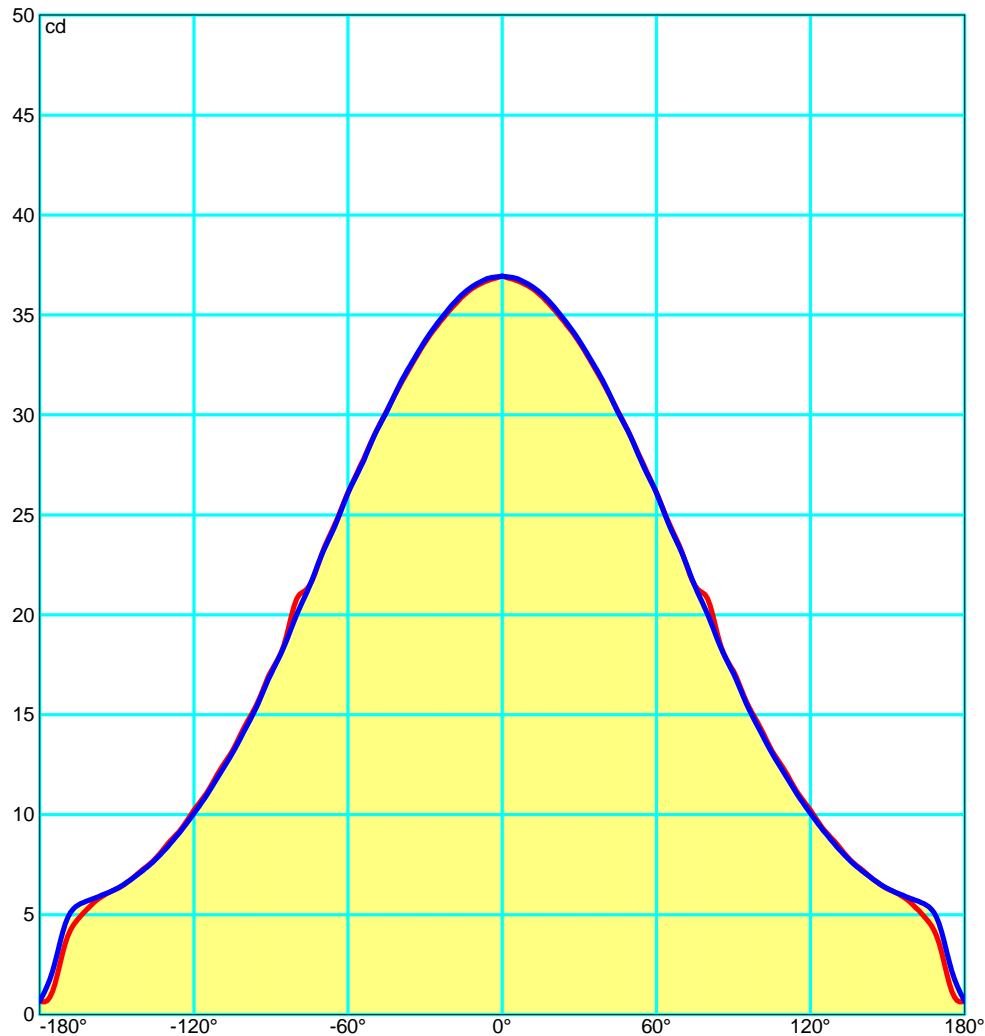
Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=200mm



Semiplanos C

180.0	—	0.0
270.0	—	90.0



## Luminaire

Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measur.

Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 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	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

## Luminaire

Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measur.

Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

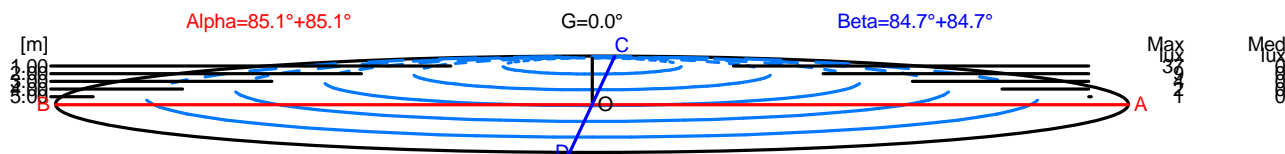
Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	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

Luminous Intensities [ 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			

## Luminaire

Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE

## Measurem.

Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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

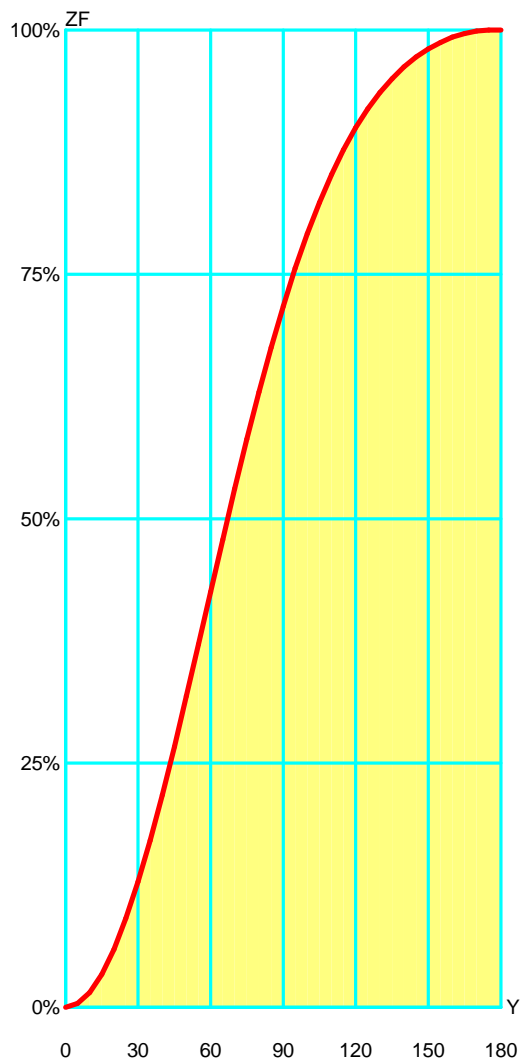
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	15	59	128	217	318	425	531	630	717	792	852	900	936	962	981	993	999	1000

Códigos de Flujo C.I.E.

32 59 82 72 100

C.I.E. 8  
D DIN 5040 B21  
F UTE 0.72 H + 0.28 T  
B NBN BZ 6  
RN 28.26848 %  
BLF 1.0

LOR 100.00000 %  
ULOR 28.26848 %  
DLOR 71.73152 %  
UFF 28.26848 %  
DFF 71.73152 %  
FFR 39.40873 %



Flujo Zonal				
Gamma °	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 %

**Luminaire**  
Code A691-260  
Name DIPPING LIGHT 20 OFF-WHITE  
**Measur.**  
Code CL041A20F002G  
Name DIPPING LIGHT 20 OFF-WHITE

Luminaire Flux	231.07 lm	Luminaire Power	4.42 W	Efficacy	52.24 lm/W	Efficiency	100.00%
Sources Flux	231.07 lm	Maximum value	36.94 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

