Luminaria
Código 3350230y129
Nombre GAROTA P/02 LIGHT BEIGE
Ensayo
Código CL092A21F013GE1
Nombre GAROTA P/02 LIGHT BEIGE

Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

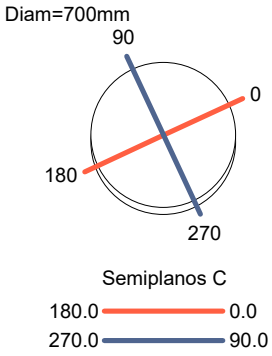
Luminaria Redonda	Diam. 700 mm	Altura	500 mm
Área Luminosa Redonda	Diam. 700 mm	Altura	500 mm
Área Luminosa Horizontal	0.384845 m2	Área Emisión sobre Pl. 180°	0.350000 m2
Área Emisión sobre Pl. 0°	0.350000 m2	Área Emisión sobre Pl. 270°	0.350000 m2
Área Emisión sobre Pl. 90°	0.350000 m2	Área de deslumbramiento a 76°	0.432706 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	06-05-2021	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.44	Flujo de Ensayo	609.83 lm
Operador	Asselum T2	Tensión Nominal	34.06 V
Temperatura	24.80 °C	Corriente Nominal	0.50 A
Humedad	43.70 %	Fotocélula	Prc
Notas	RM21050301.2		

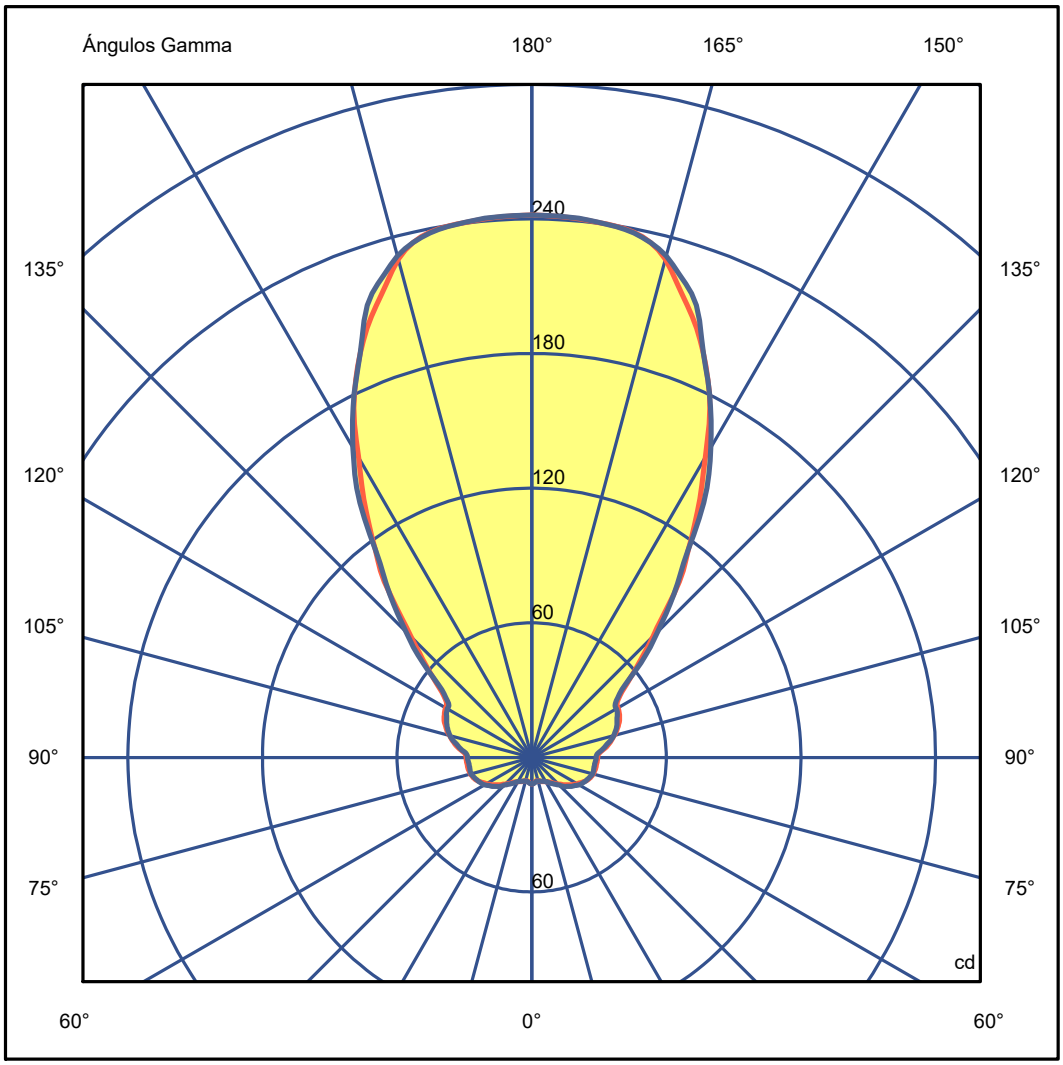
Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
Mid-Power LED -5630 Series LED	SECW-5630XX9003-00000000-00004		609.83	16.98	1

C.I.E.	15 37 67 22 100	D DIN 5040	D13
F UTE	--	B NBN	BZ 10







ULOR 77.59 %
DLOR 22.41 %
RN 77.59 %

Luminaria
Código 3350230y129
Nombre GAROTA P/02 WHITE IVORY
Ensayo
Código CL092A21F013GE1
Nombre GAROTA P/02 WHITE IVORY

Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

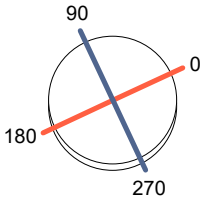
Tabla de Intensidad Luminosa cd **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	11.66	11.66	11.66	11.66	11.66	11.66	11.66
G 2.5	11.70	11.70	11.60	11.39	11.47	11.67	11.76
G 5.0	11.40	11.43	11.36	11.11	11.29	11.36	11.51
G 7.5	11.03	11.09	10.86	10.79	10.86	11.07	11.15
G 10.0	10.68	10.78	10.39	10.55	10.45	10.71	10.87
G 12.5	10.63	10.66	10.31	10.50	10.35	10.62	10.71
G 15.0	10.73	10.71	10.48	10.55	10.53	10.61	10.81
G 17.5	10.98	10.87	10.77	10.76	10.78	10.84	11.02
G 20.0	11.25	11.13	11.05	11.07	11.04	11.14	11.24
G 22.5	11.60	11.43	11.42	11.41	11.41	11.50	11.42
G 25.0	11.85	11.72	11.79	11.72	11.78	11.86	11.68
G 27.5	12.17	12.06	12.11	12.17	12.20	12.20	12.01
G 30.0	12.48	12.49	12.51	12.65	12.72	12.58	12.40
G 32.5	12.85	13.03	13.05	13.18	13.29	13.20	13.00
G 35.0	13.32	13.69	13.70	13.91	13.89	13.79	13.83
G 37.5	14.02	14.52	14.62	14.70	14.82	14.65	14.60
G 40.0	15.00	15.28	15.62	15.54	15.65	15.52	15.45
G 42.5	15.79	16.13	16.43	16.59	16.64	16.45	16.43
G 45.0	16.73	17.01	17.35	17.48	17.54	17.49	17.50
G 47.5	17.72	17.96	18.23	18.47	18.53	18.63	19.08
G 50.0	18.97	19.06	19.32	19.61	19.53	19.61	20.15
G 52.5	20.02	20.13	20.41	20.53	20.75	20.87	21.26
G 55.0	21.26	21.31	21.46	21.67	21.63	21.84	22.29
G 57.5	22.33	22.23	22.39	22.47	22.59	22.78	23.20
G 60.0	23.39	23.22	23.27	23.24	23.41	23.80	24.38
G 62.5	24.37	24.20	24.12	24.14	24.23	24.62	25.23
G 65.0	25.54	25.09	25.02	24.92	25.01	25.46	25.83
G 67.5	26.61	26.14	25.91	25.62	26.13	26.20	26.39
G 70.0	27.32	26.93	26.55	26.53	26.88	26.79	26.98
G 72.5	27.89	27.51	27.11	27.13	27.44	27.31	27.52
G 75.0	28.32	27.99	27.61	27.63	27.86	27.77	28.01
G 77.5	28.60	28.34	28.03	27.94	28.11	27.97	28.13
G 80.0	28.82	28.53	28.27	28.05	28.23	28.10	28.07
G 82.5	28.93	28.69	28.43	28.14	28.25	28.15	28.11
G 85.0	29.08	28.82	28.50	28.32	28.33	28.26	28.22
G 87.5	29.20	28.98	28.65	28.48	28.52	28.47	28.48
G 90.0	29.33	29.12	28.74	28.66	28.80	28.70	28.69
G 92.5	29.54	29.63	29.13	29.44	28.96	29.63	28.91
G 95.0	30.97	31.02	30.58	30.65	30.70	31.07	30.44
G 97.5	33.11	33.01	32.87	32.54	32.79	32.83	32.41
G100.0	34.89	34.77	34.72	34.80	34.64	34.53	34.08
G102.5	36.48	36.49	36.46	36.47	36.34	36.53	36.14
G105.0	37.99	38.01	38.00	38.21	37.88	38.01	37.77
G107.5	39.64	39.60	39.72	39.78	39.41	39.31	39.08
G110.0	40.92	40.94	40.89	40.94	41.00	40.65	40.18
G112.5	42.21	42.07	41.97	42.06	42.12	41.42	41.10
G115.0	43.13	42.88	42.73	42.76	42.90	42.14	41.91
G117.5	43.81	43.53	43.38	43.43	43.54	43.01	42.90
G120.0	44.36	44.07	43.90	44.12	44.01	43.91	43.44
G122.5	45.03	45.11	44.38	45.73	44.33	46.11	43.92
G125.0	47.89	47.99	47.85	48.20	47.63	49.91	46.81
G127.5	52.84	53.03	52.82	53.93	53.34	54.67	51.40
G130.0	59.56	59.41	59.33	60.35	59.99	60.83	60.34
G132.5	67.06	67.11	67.00	67.80	67.95	70.93	70.30
G135.0	76.38	76.95	76.11	79.56	76.76	79.83	79.57
G137.5	87.49	88.54	87.76	89.21	89.75	92.28	89.80
G140.0	102.32	100.83	102.01	101.14	103.23	104.00	101.03
G142.5	113.69	113.34	113.68	115.15	115.77	115.89	112.53
G145.0	126.43	125.80	126.50	127.80	128.64	130.13	130.20
G147.5	140.18	139.25	139.43	142.50	142.02	144.96	146.09
G150.0	154.55	153.86	154.88	157.24	155.56	158.26	159.44
G152.5	171.69	170.53	171.48	170.74	173.83	173.58	172.85
G155.0	185.76	184.09	185.44	183.50	188.18	186.63	185.55
G157.5	198.13	196.51	197.49	197.95	199.98	198.23	198.66
G160.0	209.14	207.67	208.54	208.66	210.98	211.21	214.45
G162.5	219.02	217.83	218.39	219.57	220.61	220.39	223.57
G165.0	229.91	227.63	229.29	228.18	229.86	227.27	231.45
G167.5	236.48	234.90	236.07	233.85	237.21	233.57	236.29
G170.0	239.33	239.38	239.08	238.89	239.47	237.81	239.09
G172.5	240.26	240.39	240.28	240.37	240.37	240.18	240.23
G175.0	241.04	241.10	241.00	241.07	241.09	241.12	241.25
G177.5	241.53	241.62	241.45	241.66	241.60	241.55	241.63
G180.0	241.77	241.77	241.77	241.77	241.77	241.77	241.77

Luminaria
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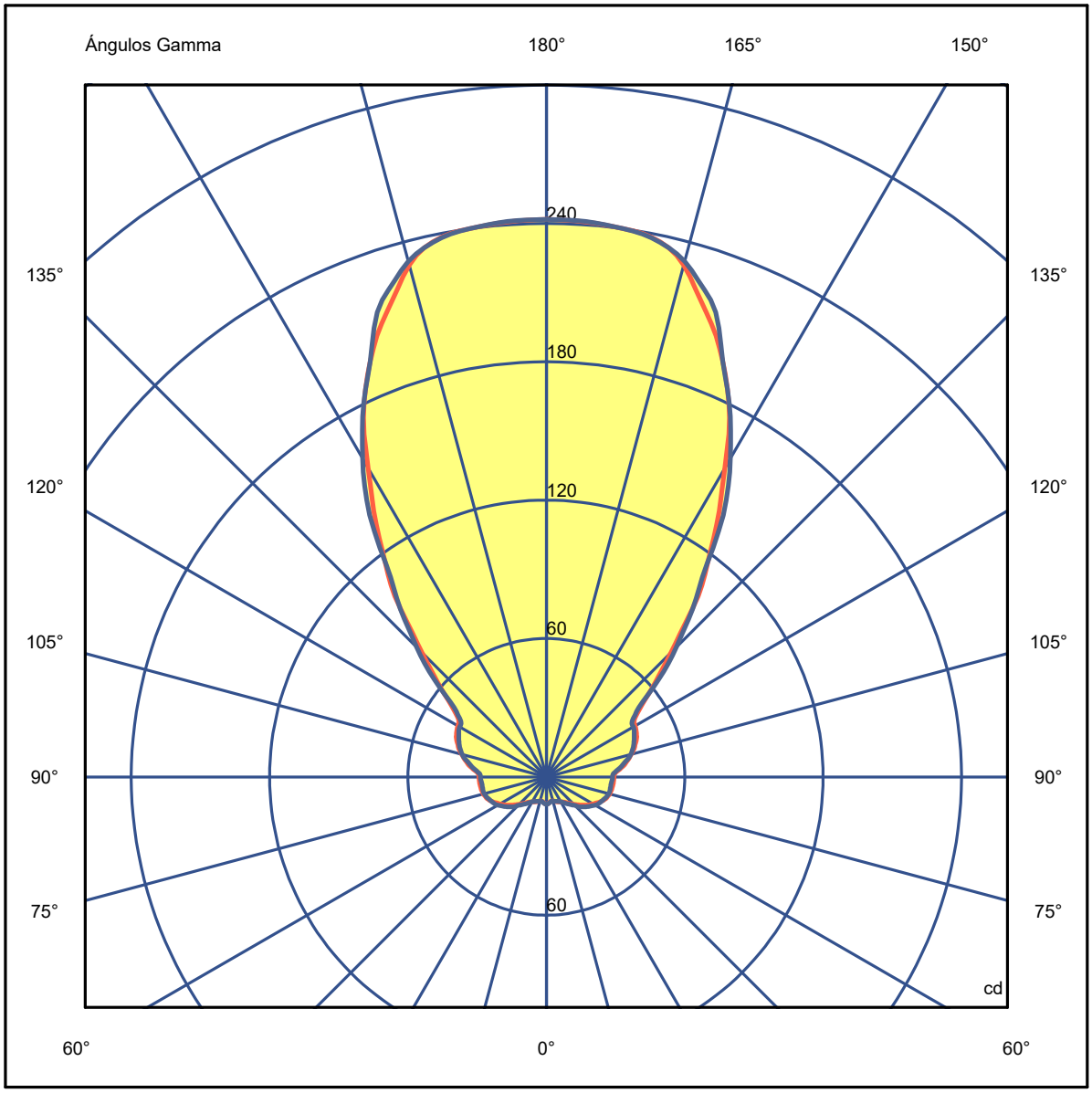
Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

Diam=700mm



Semiplanos C

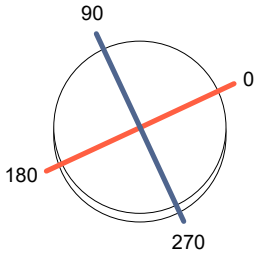




Luminaria
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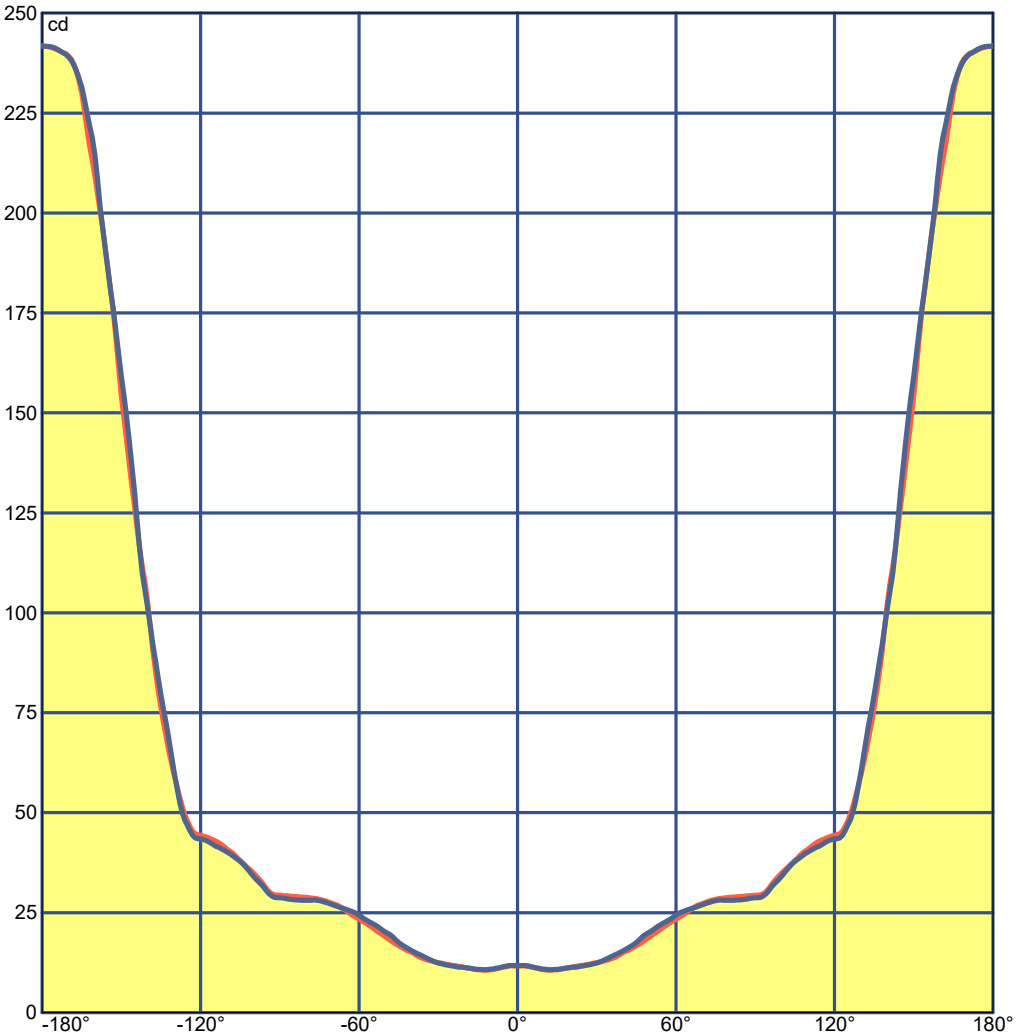
Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

Diam=700mm



Semiplanos C





Luminaria
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Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Loca	Vista Lateral					Vista Longitudinal				
x=2H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	< 0	< 0	< 0	0.0	1.6	< 0	< 0	< 0	0.1	1.7
x=2H y=4H	< 0	0.5	1.0	1.6	3.2	< 0	0.5	1.0	1.6	3.2
x=2H y=6H	1.5	2.0	2.7	3.2	4.8	1.4	2.0	2.6	3.1	4.8
x=2H y=8H	2.2	2.8	3.4	3.9	5.6	2.2	2.7	3.3	3.8	5.5
x=2H y=12H	3.0	3.5	4.1	4.6	6.3	2.9	3.4	4.0	4.5	6.2
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	0.5	1.0	2.6	< 0	< 0	0.5	1.0	2.7
x=4H y=4H	1.1	1.5	2.3	2.7	4.4	1.1	1.6	2.3	2.7	4.4
x=4H y=6H	2.8	3.2	4.0	4.4	6.0	2.8	3.2	3.9	4.3	6.0
x=4H y=8H	3.6	4.0	4.8	5.2	6.9	3.6	3.9	4.8	5.1	6.8
x=4H y=12H	4.5	4.8	5.6	6.0	7.6	4.4	4.7	5.6	5.9	7.6
x=8H y=4H	1.7	2.0	2.9	3.2	4.9	1.7	2.0	2.9	3.2	4.9
x=8H y=6H	3.6	3.9	4.8	5.1	6.8	3.6	3.9	4.8	5.1	6.8
x=8H y=8H	4.6	4.9	5.8	6.1	7.8	4.5	4.8	5.7	6.0	7.7
x=8H y=12H	5.6	5.8	6.8	7.0	8.7	5.5	5.7	6.7	6.9	8.6
x=12H y=4H	2.8	3.1	4.0	4.3	6.0	2.8	3.2	4.0	4.3	6.0
x=12H y=6H	4.4	4.7	5.6	5.9	7.5	4.4	4.6	5.6	5.8	7.5
x=12H y=8H	5.3	5.5	6.5	6.7	8.4	5.3	5.5	6.5	6.7	8.4

Luminaria
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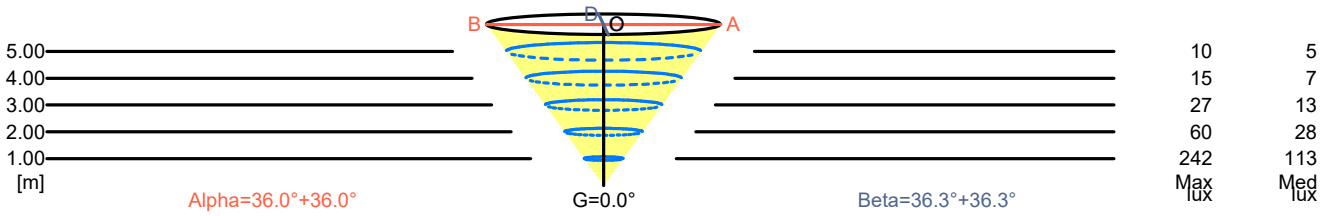
Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

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	0.73	1.46	2.18	2.91	3.64	OC	0.73	1.47	2.20	2.94	3.67
OB	0.73	1.46	2.18	2.91	3.64	OD	0.73	1.47	2.20	2.94	3.67

Intensidades Luminosas [cd]

	0	5	15	25	35	45	55	65	75	85
OA	241.77	241.04	229.91	185.76	126.43	76.38	47.89	43.13	37.99	30.97
OB	241.77	241.04	229.91	185.76	126.43	76.38	47.89	43.13	37.99	30.97
OC	241.77	241.25	231.45	185.55	130.20	79.57	46.81	41.91	37.77	30.44
OD	241.77	241.25	231.45	185.55	130.20	79.57	46.81	41.91	37.77	30.44



H[m]	D[m]	Max lux	Med lux	
5.00	7.28	10	5	
4.00	5.82	15	7	
3.00	4.37	27	13	
2.00	2.91	60	28	
1.00	1.46	242	113	
				Alpha=36.0°+36.0° G=0.0

H[m]	D[m]	Max lux	Med lux	
5.00	7.34	10	5	
4.00	5.87	15	7	
3.00	4.40	27	13	
2.00	2.94	60	28	
1.00	1.47	242	113	
				Beta=36.3°+36.3° G=0.0

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Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

Flujo Total=609.83 Flujo Luminaria=609.83

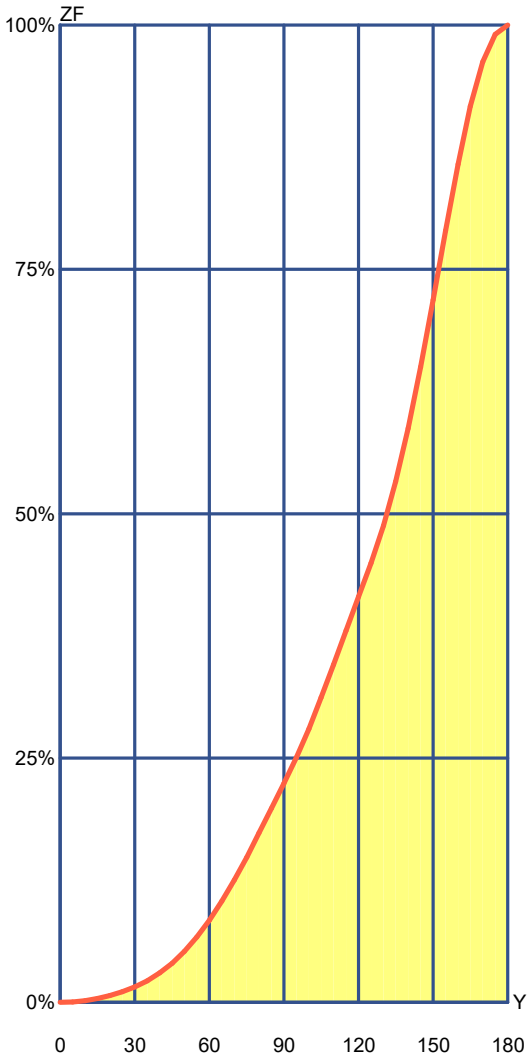
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.09	0.14	0.18	0.24	0.28	0.37	0.43	0.48	0.56	0.61	0.75	0.85
RC	10	10	-	-	-	-	-	-	-	-	-	-

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)	2	7	16	30	52	84	125	173	224	280	346	415	488	587	719	858	962	1000

Códigos de Flujo C.I.E.
15 37 67 22 100

C.I.E.	10/10/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	D13	ULOR	77.58910 %
F UTE	--	DLOR	22.41090 %
B NBN	BZ 10	UFF	77.58910 %
RN	77.58910 %	DFF	22.41090 %
BLF	1.0	FFR	346.21153 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.45	0.45	0.05 %	0.05 %
10°	1.28	1.73	0.13 %	0.17 %
15°	2.06	3.79	0.21 %	0.38 %
20°	2.93	6.72	0.29 %	0.67 %
25°	3.94	10.66	0.39 %	1.07 %
30°	5.05	15.71	0.50 %	1.57 %
35°	6.35	22.06	0.63 %	2.21 %
40°	8.00	30.06	0.80 %	3.01 %
45°	9.96	40.02	1.00 %	4.00 %
50°	12.19	52.21	1.22 %	5.22 %
55°	14.66	66.87	1.47 %	6.69 %
60°	17.09	83.96	1.71 %	8.40 %
65°	19.41	103.37	1.94 %	10.34 %
70°	21.63	125.00	2.16 %	12.50 %
75°	23.44	148.44	2.34 %	14.84 %
80°	24.65	173.09	2.47 %	17.31 %
85°	25.28	198.38	2.53 %	19.84 %
90°	25.73	224.11	2.57 %	22.41 %
95°	26.56	250.67	2.66 %	25.07 %
100°	29.19	279.86	2.92 %	27.99 %
105°	31.92	311.78	3.19 %	31.18 %
110°	33.83	345.61	3.38 %	34.56 %
115°	34.72	380.33	3.47 %	38.03 %
120°	34.56	414.89	3.46 %	41.49 %
125°	34.52	449.40	3.45 %	44.94 %
130°	38.25	487.66	3.83 %	48.77 %
135°	45.39	533.05	4.54 %	53.30 %
140°	54.37	587.42	5.44 %	58.74 %
145°	62.69	650.11	6.27 %	65.01 %
150°	68.43	718.54	6.84 %	71.85 %
155°	71.04	789.58	7.10 %	78.96 %
160°	67.96	857.54	6.80 %	85.75 %
165°	59.24	916.77	5.92 %	91.68 %
170°	45.59	962.37	4.56 %	96.24 %
175°	28.17	990.53	2.82 %	99.05 %
180°	9.47	1000.00	0.95 %	100.00 %

Luminaria
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Nombre GAROTA P/02 WHITE IVORY

Flujo Luminaria	609.83 lm	Potencia Luminaria	16.98 W	Eficacia	35.91 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	609.83 lm	Valor Máximo	241.77 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

Isolux (Techo)

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

