Luminaria
Código 3350230y132
Nombre GAROTA P/02 BROWN
Ensayo
Código CL092A21F012GE1
Nombre GAROTA P/02 BROWN

Flujo Luminaria	365.51 lm	Potencia Luminaria	17.01 W	Eficacia	21.48 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	365.51 lm	Valor Máximo	201.59 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

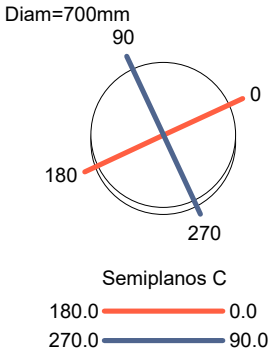
Luminaria Redonda	Diam. 700 mm	Altura	500 mm
Área Luminosa Redonda	Diam. 700 mm	Altura	500 mm
Área Luminosa Horizontal	0.384845 m2	Área Emisión sobre Pl. 180°	0.350000 m2
Área Emisión sobre Pl. 0°	0.350000 m2	Área Emisión sobre Pl. 270°	0.350000 m2
Área Emisión sobre Pl. 90°	0.350000 m2	Área de deslumbramiento a 76°	0.432706 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	05-05-2021	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.44	Flujo de Ensayo	365.51 lm
Operador	Asselum T2	Tensión Nominal	34.13 V
Temperatura	24.80 °C	Corriente Nominal	0.50 A
Humedad	40.70 %	Fotocélula	Prc
Notas	RM21050301.1		

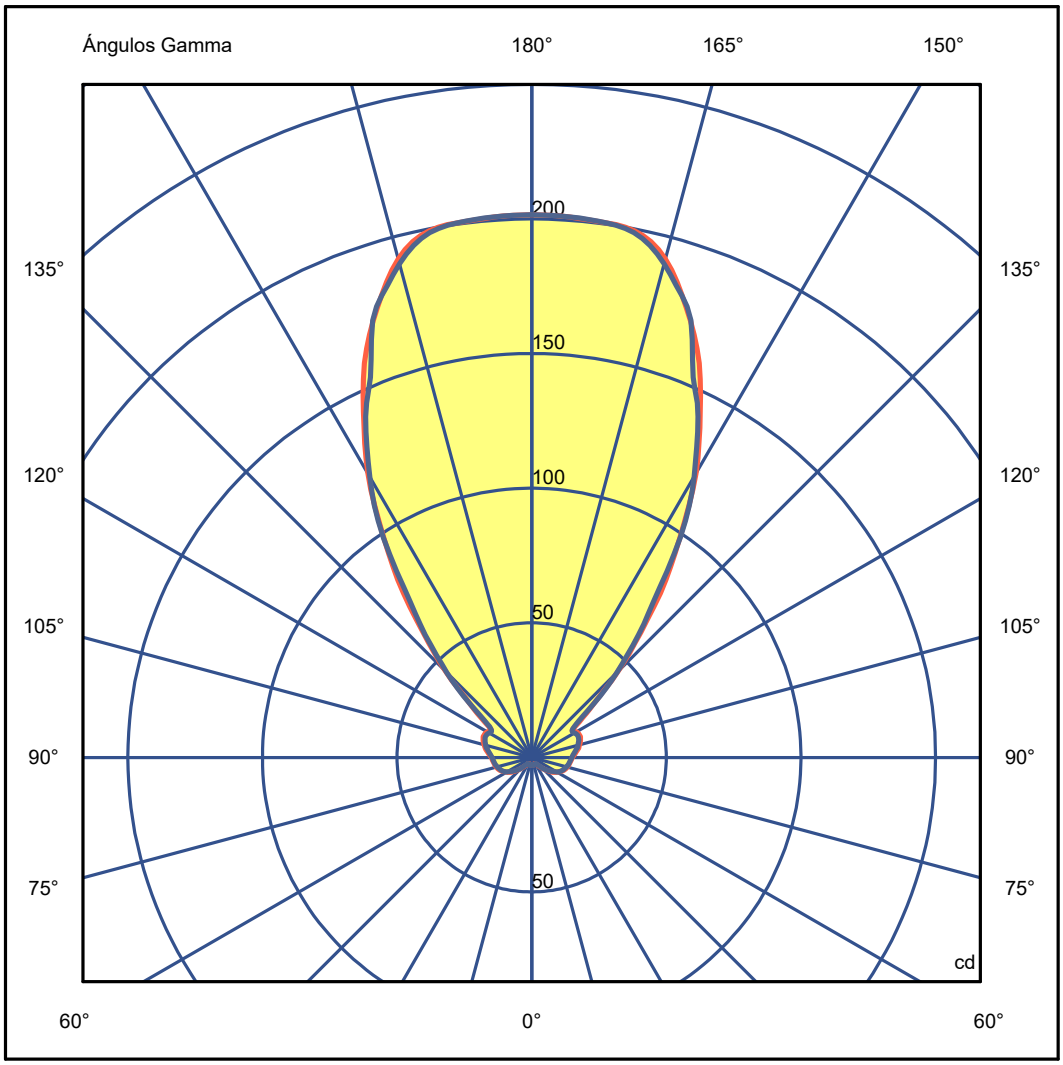
Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	SEOUL	Mid-Power LED -5630 Series S1W0-5630XX[illegible]0000000-00[illegible]01	[illegible]	[illegible]	1

C.I.E.	8 29 62 16 100	D DIN 5040	D13
F UTE	--	B NBN	BZ 10







ULOR 83.77 %
DLOR 16.23 %
RN 83.77 %

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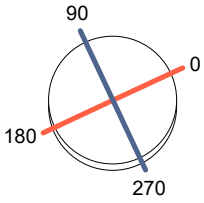
Tabla de Intensidad Luminosa cd **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	2.65	2.65	2.65	2.65	2.65	2.65	2.65
G 2.5	2.72	2.75	2.66	2.62	2.61	2.65	2.67
G 5.0	2.74	2.78	2.74	2.72	2.70	2.73	2.79
G 7.5	2.83	2.88	2.83	2.75	2.79	2.87	2.90
G 10.0	2.83	2.94	2.84	2.80	2.81	2.94	2.91
G 12.5	2.84	2.94	2.85	2.79	2.81	2.93	2.89
G 15.0	2.83	2.89	2.83	2.75	2.78	2.90	2.89
G 17.5	2.77	2.77	2.77	2.70	2.73	2.82	2.85
G 20.0	2.66	2.67	2.68	2.60	2.68	2.71	2.79
G 22.5	2.57	2.56	2.62	2.54	2.59	2.62	2.69
G 25.0	2.52	2.53	2.58	2.51	2.56	2.54	2.61
G 27.5	2.59	2.59	2.59	2.59	2.58	2.56	2.57
G 30.0	2.70	2.75	2.79	2.76	2.70	2.65	2.60
G 32.5	2.95	3.09	3.12	3.04	2.95	2.84	2.84
G 35.0	3.42	3.46	3.55	3.55	3.39	3.14	3.09
G 37.5	3.77	3.89	4.04	4.05	3.85	3.52	3.45
G 40.0	4.26	4.39	4.56	4.76	4.57	4.07	4.00
G 42.5	5.08	5.13	5.30	5.44	5.18	4.80	4.60
G 45.0	5.86	5.95	6.20	6.15	5.88	5.59	5.61
G 47.5	6.65	6.84	7.11	6.88	6.61	6.48	6.42
G 50.0	7.68	7.72	7.85	7.75	7.45	7.30	7.21
G 52.5	8.56	8.56	8.67	8.59	8.50	8.06	8.08
G 55.0	9.55	9.41	9.42	9.41	9.33	8.95	8.89
G 57.5	10.25	10.23	10.30	10.09	10.03	9.70	9.74
G 60.0	10.85	10.92	11.04	10.77	10.66	10.53	10.68
G 62.5	11.43	11.63	11.66	11.38	11.25	11.18	11.37
G 65.0	12.10	12.08	12.10	12.02	11.84	11.80	11.91
G 67.5	12.56	12.52	12.46	12.56	12.51	12.32	12.33
G 70.0	13.08	12.92	12.75	13.00	13.01	12.81	12.67
G 72.5	13.38	13.28	13.07	13.39	13.38	13.28	12.95
G 75.0	13.65	13.58	13.41	13.67	13.71	13.63	13.35
G 77.5	13.91	13.79	13.68	13.89	14.04	13.88	13.62
G 80.0	14.09	13.93	13.93	14.11	14.21	14.04	13.89
G 82.5	14.29	14.06	14.13	14.24	14.41	14.21	14.10
G 85.0	14.56	14.34	14.31	14.40	14.53	14.44	14.29
G 87.5	14.76	14.56	14.55	14.59	14.72	14.64	14.53
G 90.0	15.05	14.93	14.91	14.84	14.94	14.93	14.80
G 92.5	15.55	15.39	15.27	15.26	15.22	15.23	15.15
G 95.0	16.09	15.87	15.73	15.70	15.67	15.59	15.62
G 97.5	16.70	16.43	16.27	16.24	16.17	16.11	16.15
G100.0	17.41	17.08	16.83	16.74	16.65	16.59	16.69
G102.5	17.89	17.69	17.40	17.24	17.13	17.06	17.36
G105.0	18.33	18.19	17.93	17.70	17.64	17.57	17.76
G107.5	18.81	18.61	18.30	18.23	18.23	18.10	18.16
G110.0	19.23	18.93	18.63	18.70	18.84	18.55	18.53
G112.5	19.58	19.14	18.88	19.01	19.19	18.91	18.79
G115.0	19.60	19.20	18.97	19.15	19.33	19.04	18.89
G117.5	19.41	19.03	18.84	19.10	19.29	19.02	18.71
G120.0	19.06	18.59	18.47	18.78	18.97	18.69	18.27
G122.5	18.18	18.62	18.17	18.91	18.69	18.11	17.85
G125.0	18.67	19.73	19.21	20.33	19.84	18.54	18.59
G127.5	23.01	23.31	22.50	23.86	23.35	22.54	21.51
G130.0	28.28	29.00	28.86	29.17	28.48	28.15	27.14
G132.5	35.04	37.06	37.01	35.90	34.96	35.89	36.16
G135.0	45.62	46.26	46.05	43.89	44.21	44.85	44.68
G137.5	55.21	55.84	55.29	55.48	55.30	54.39	53.98
G140.0	66.65	66.26	65.90	68.88	67.55	65.44	64.65
G142.5	80.23	79.18	78.93	80.46	79.69	77.61	76.00
G145.0	92.87	92.97	93.89	92.75	92.28	91.89	92.10
G147.5	106.91	108.84	108.84	105.12	105.01	106.05	107.77
G150.0	121.87	121.63	121.43	121.21	119.14	120.97	120.45
G152.5	134.75	134.30	133.98	133.54	134.90	133.19	133.14
G155.0	148.34	146.48	146.24	149.09	148.49	146.24	145.33
G157.5	161.60	160.84	159.68	160.49	159.88	158.71	156.13
G160.0	172.39	172.26	172.30	170.66	170.29	171.35	172.78
G162.5	182.66	182.84	183.08	180.26	180.12	180.92	181.78
G165.0	191.77	190.46	190.82	189.39	189.30	189.83	189.90
G167.5	197.52	195.74	196.07	196.26	196.60	195.94	196.26
G170.0	200.02	199.12	199.33	199.30	199.73	199.38	199.59
G172.5	200.61	200.72	200.67	200.63	200.69	200.64	200.64
G175.0	201.03	201.24	201.19	201.08	201.14	201.19	201.20
G177.5	201.52	201.51	201.49	201.41	201.44	201.48	201.47
G180.0	201.59	201.59	201.59	201.59	201.59	201.59	201.59

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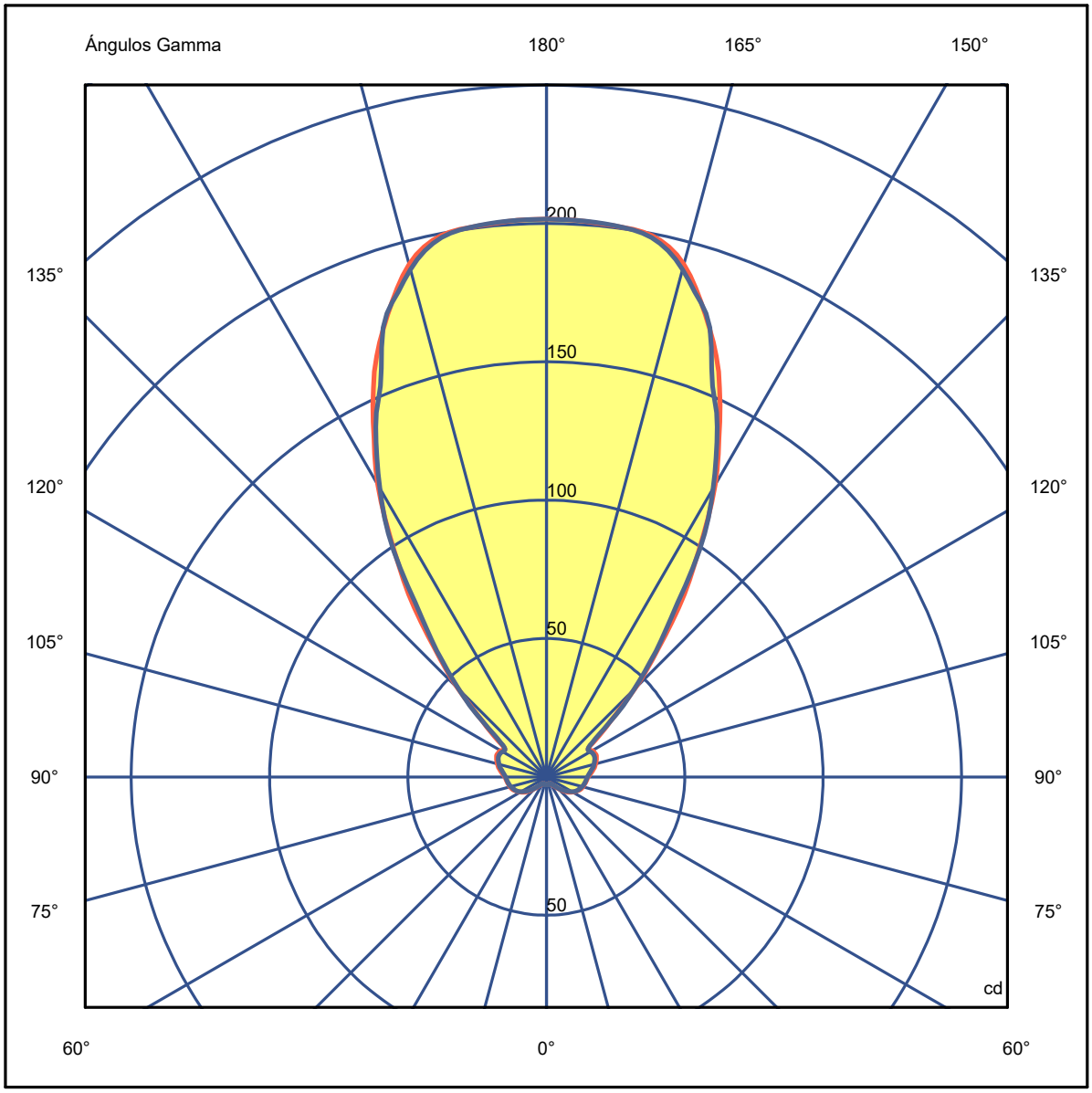
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Diam=700mm



Semiplanos C

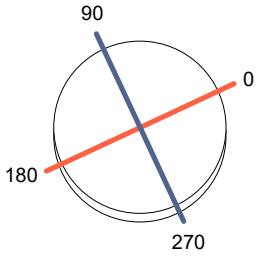




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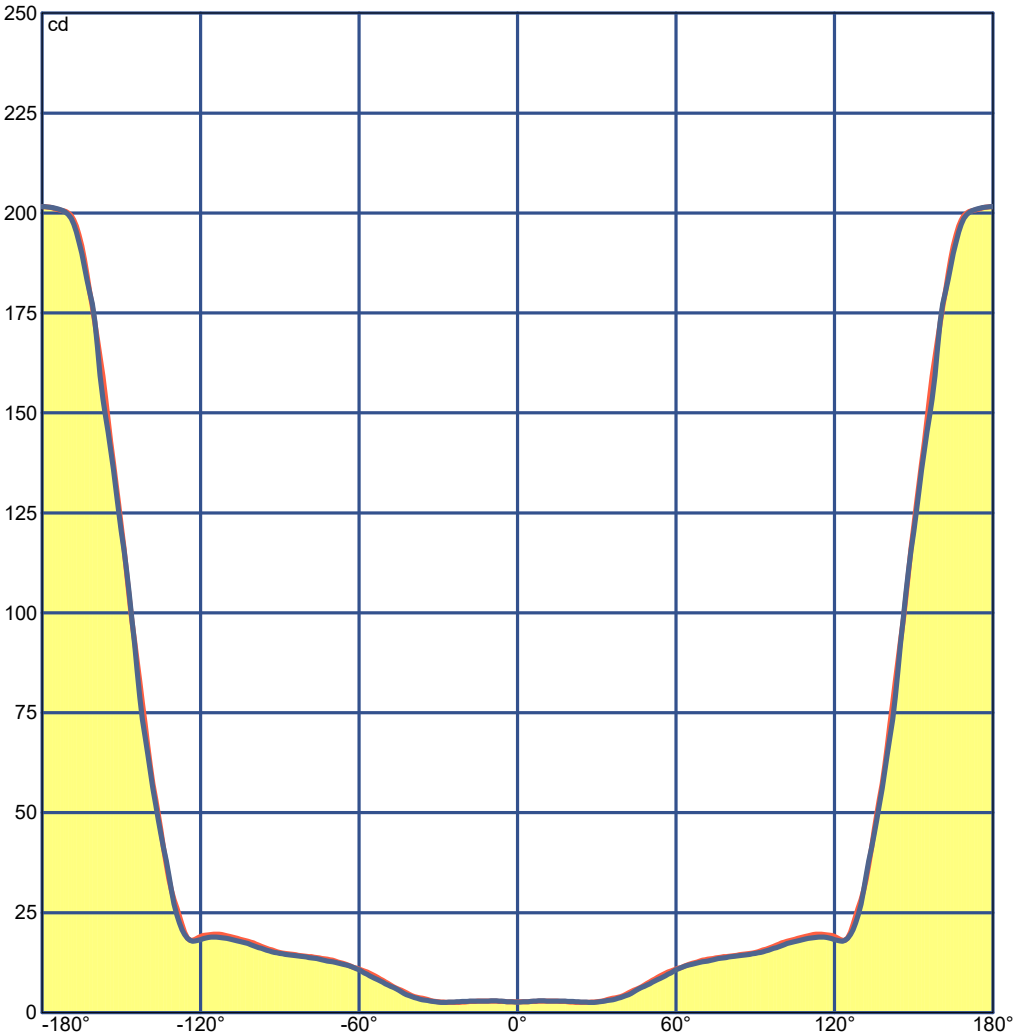
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Semiplanos C





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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	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=2H y=6H	< 0	< 0	< 0	< 0	1.5	< 0	< 0	< 0	< 0	1.4
x=2H y=8H	< 0	< 0	0.1	0.5	2.2	< 0	< 0	< 0	0.5	2.2
x=2H y=12H	< 0	0.1	0.8	1.3	3.0	< 0	0.0	0.8	1.2	2.9
x=4H y=2H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0	< 0
x=4H y=4H	< 0	< 0	< 0	< 0	1.0	< 0	< 0	< 0	< 0	0.9
x=4H y=6H	< 0	< 0	0.6	1.0	2.7	< 0	< 0	0.6	1.0	2.7
x=4H y=8H	0.3	0.6	1.5	1.8	3.6	0.2	0.6	1.5	1.8	3.5
x=4H y=12H	1.1	1.4	2.3	2.6	4.4	1.1	1.4	2.3	2.6	4.4
x=8H y=4H	< 0	< 0	< 0	< 0	1.6	< 0	< 0	< 0	< 0	1.5
x=8H y=6H	0.3	0.5	1.5	1.8	3.5	0.3	0.5	1.5	1.8	3.5
x=8H y=8H	1.3	1.5	2.5	2.7	4.5	1.3	1.5	2.5	2.7	4.5
x=8H y=12H	2.3	2.5	3.5	3.7	5.5	2.3	2.5	3.5	3.7	5.5
x=12H y=4H	< 0	< 0	0.7	1.0	2.7	< 0	< 0	0.6	0.9	2.7
x=12H y=6H	1.1	1.3	2.3	2.5	4.3	1.1	1.3	2.3	2.5	4.3
x=12H y=8H	2.0	2.2	3.2	3.4	5.2	2.0	2.2	3.2	3.5	5.2

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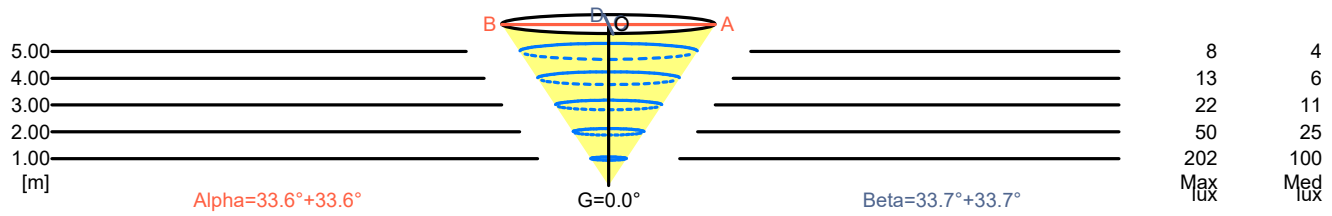
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Apertura a 50.00 % de Max Intensidad

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	0.66	1.33	1.99	2.65	3.32	OC	0.67	1.33	2.00	2.66	3.33
OB	0.66	1.33	1.99	2.65	3.32	OD	0.67	1.33	2.00	2.66	3.33

Intensidades Luminosas [cd]

	0	5	15	25	35	45	55	65	75	85
OA	201.59	201.03	191.77	148.34	92.87	45.62	18.67	19.60	18.33	16.09
OB	201.59	201.03	191.77	148.34	92.87	45.62	18.67	19.60	18.33	16.09
OC	201.59	201.20	189.90	145.33	92.10	44.68	18.59	18.89	17.76	15.62
OD	201.59	201.20	189.90	145.33	92.10	44.68	18.59	18.89	17.76	15.62



5.00	6.63	8	4	
4.00	5.31	13	6	
3.00	3.98	22	11	
2.00	2.65	50	25	
1.00	1.33	202	100	
H[m]	D[m]	Max lux	Med lux	Alpha=33.6°+33.6° G=0.0

5.00	6.66	8	4	
4.00	5.33	13	6	
3.00	4.00	22	11	
2.00	2.66	50	25	
1.00	1.33	202	100	
H[m]	D[m]	Max lux	Med lux	Beta=33.7°+33.7° G=0.0

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Flujo Total=365.51 Flujo Luminaria=365.51

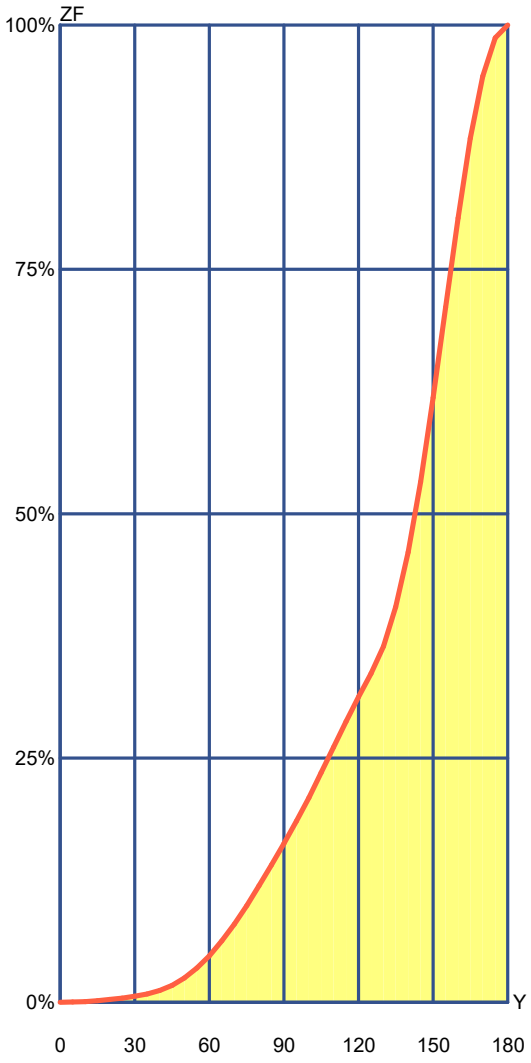
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.05	0.09	0.13	0.18	0.22	0.31	0.37	0.42	0.51	0.57	0.72	0.83
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	1	3	6	12	25	48	80	119	162	209	261	313	364	460	619	803	948	1000

Códigos de Flujo C.I.E.
8 29 62 16 100

C.I.E.	-/-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	D13	ULOR	83.76877 %
F UTE	--	DLOR	16.23123 %
B NBN	BZ 10	UFF	83.76877 %
RN	83.76877 %	DFF	16.23123 %
BLF	1.0	FFR	516.09636 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	0.18	0.18	0.02 %	0.02 %
10°	0.55	0.73	0.06 %	0.07 %
15°	0.93	1.66	0.09 %	0.17 %
20°	1.24	2.90	0.12 %	0.29 %
25°	1.49	4.39	0.15 %	0.44 %
30°	1.81	6.20	0.18 %	0.62 %
35°	2.44	8.64	0.24 %	0.86 %
40°	3.53	12.17	0.35 %	1.22 %
45°	5.22	17.39	0.52 %	1.74 %
50°	7.47	24.86	0.75 %	2.49 %
55°	10.06	34.91	1.01 %	3.49 %
60°	12.71	47.63	1.27 %	4.76 %
65°	15.17	62.80	1.52 %	6.28 %
70°	17.26	80.05	1.73 %	8.01 %
75°	18.95	99.01	1.90 %	9.90 %
80°	20.24	119.25	2.02 %	11.92 %
85°	21.13	140.38	2.11 %	14.04 %
90°	21.93	162.31	2.19 %	16.23 %
95°	22.93	185.24	2.29 %	18.52 %
100°	24.20	209.44	2.42 %	20.94 %
105°	25.40	234.84	2.54 %	23.48 %
110°	26.19	261.03	2.62 %	26.10 %
115°	26.33	287.36	2.63 %	28.74 %
120°	25.26	312.62	2.53 %	31.26 %
125°	23.68	336.31	2.37 %	33.63 %
130°	27.88	364.18	2.79 %	36.42 %
135°	40.20	404.39	4.02 %	40.44 %
140°	56.10	460.48	5.61 %	46.05 %
145°	72.25	532.73	7.23 %	53.27 %
150°	85.90	618.63	8.59 %	61.86 %
155°	92.62	711.25	9.26 %	71.12 %
160°	91.39	802.64	9.14 %	80.26 %
165°	81.57	884.21	8.16 %	88.42 %
170°	63.39	947.60	6.34 %	94.76 %
175°	39.23	986.83	3.92 %	98.68 %
180°	13.17	1000.00	1.32 %	100.00 %

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Flujo Fuentes de luz	365.51 lm	Valor Máximo	201.59 cd	Posición	C=0.00 G=180.00	CG	Bisimétrico

Isolux (Techo)

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

