

LEDS C4[®]

Luminaria

Código 00-7392-05-05

Nombre ATTIC

Ensayo

Código 00-7392-05-05

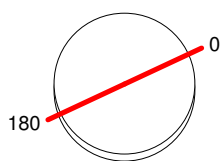
Nombre ATTIC

Flujo Luminaria	768.44 lm	Potencia luminaria	11.00 W	Eficacia	69.86 lm/W	Eficiencia	74.25%
Flujo de Lámpara	1035.00 lm	Valor Máximo	239.03 cd/klm	Posición	C=0.00 G=16.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	150 mm	Altura	200 mm		
Área Luminosa Redonda		Diam.	150 mm	Altura	0 mm		
Área Luminosa Horizontal	0.017671 m2			Área Emisión sobre Pl. 180°	0.000000 m2		
Área Emisión sobre Pl. 0°	0.000000 m2			Área Emisión sobre Pl. 270°	0.000000 m2		
Área Emisión sobre Pl. 90°	0.000000 m2			Área de deslumbramiento a 76°	0.004275 m2		
Sist. de Coorden.	CG			Tipo de Simetría	Rotosimétrico		
Fecha	26-03-2019			Máximo Ángulo Gamma	90		
Distancia de Ensayo	0.00			Flujo de Ensayo	1035.00 lm		
Operador	qualitat			Tensión de alimentación [V]			
Temperatura	25.00 °C			Corriente de alimentación [A]			
Humedad	60.00 %			Fotocélula			
Notas							

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	OSRAM 11W 2700K	OSRAM 11W 2700K	1035.00	11.00	1
C.I.E.	49 84 97 100 74				
F UTE	0.74 E				
		D DIN 5040	A30		
		B NBN	BZ 4		

Diam=150mm



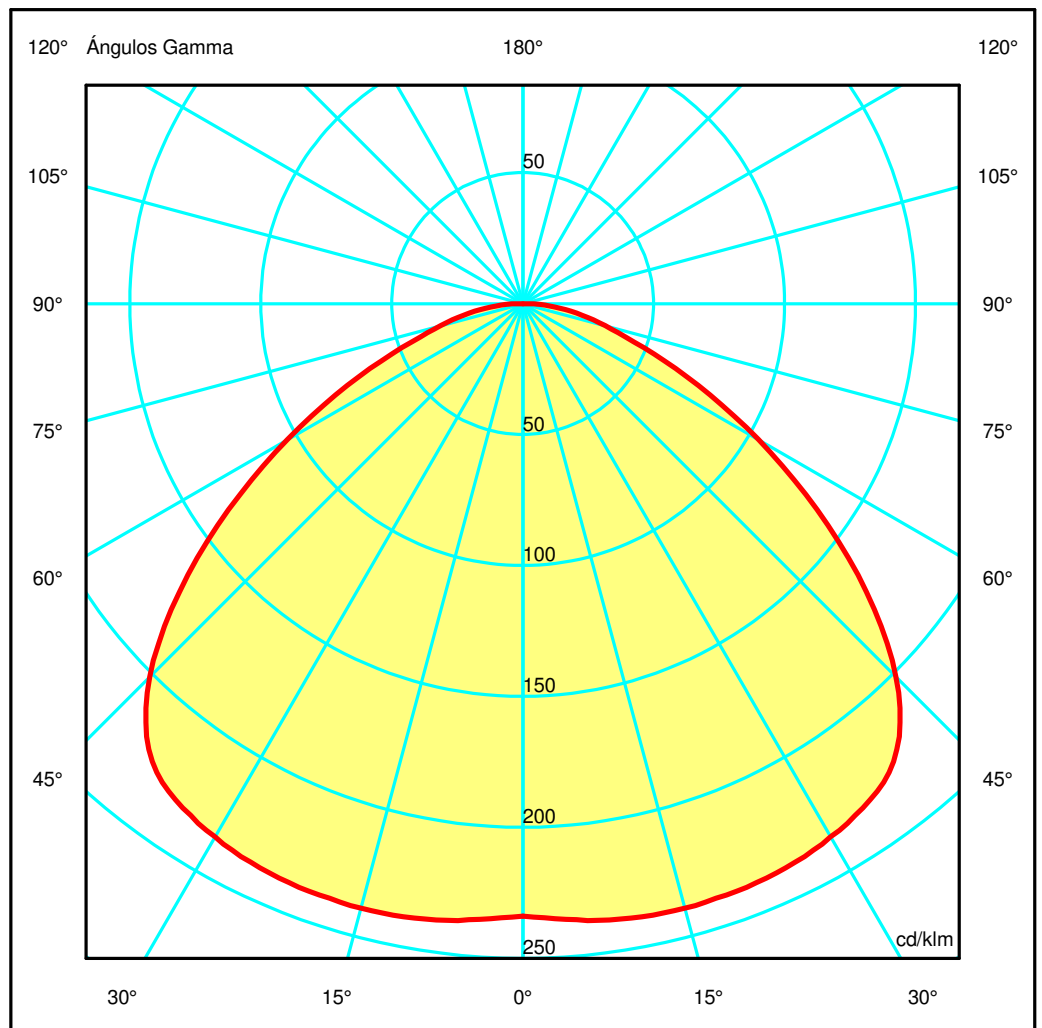
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR 74.25 %

RN 0.00 %



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Tabla de Intensidad Luminosa cd/klm Tabla 1/1

	C 0.00	C 0.00	
G 0.0	233.90	G 46.0	196.13
G 1.0	234.24	G 47.0	190.18
G 2.0	234.58	G 48.0	184.08
G 3.0	235.18	G 49.0	177.91
G 4.0	235.69	G 50.0	171.21
G 5.0	236.08	G 51.0	164.64
G 6.0	236.85	G 52.0	157.78
G 7.0	237.17	G 53.0	150.94
G 8.0	237.62	G 54.0	144.05
G 9.0	237.88	G 55.0	137.18
G 10.0	238.24	G 56.0	130.33
G 11.0	238.49	G 57.0	123.55
G 12.0	238.67	G 58.0	116.94
G 13.0	238.78	G 59.0	110.30
G 14.0	238.84	G 60.0	103.87
G 15.0	238.92	G 61.0	97.54
G 16.0	239.03	G 62.0	91.41
G 17.0	238.93	G 63.0	85.43
G 18.0	238.66	G 64.0	79.61
G 19.0	238.76	G 65.0	73.98
G 20.0	238.78	G 66.0	68.55
G 21.0	238.65	G 67.0	63.39
G 22.0	238.40	G 68.0	58.40
G 23.0	238.19	G 69.0	53.69
G 24.0	237.96	G 70.0	49.21
G 25.0	237.62	G 71.0	45.04
G 26.0	237.25	G 72.0	41.24
G 27.0	236.95	G 73.0	37.98
G 28.0	236.32	G 74.0	35.13
G 29.0	235.91	G 75.0	32.53
G 30.0	235.09	G 76.0	30.05
G 31.0	234.67	G 77.0	27.68
G 32.0	233.94	G 78.0	25.41
G 33.0	232.93	G 79.0	23.09
G 34.0	232.29	G 80.0	20.85
G 35.0	231.22	G 81.0	18.60
G 36.0	230.15	G 82.0	16.43
G 37.0	228.86	G 83.0	14.30
G 38.0	227.09	G 84.0	12.25
G 39.0	224.91	G 85.0	10.30
G 40.0	222.19	G 86.0	8.45
G 41.0	219.05	G 87.0	6.74
G 42.0	215.16	G 88.0	5.31
G 43.0	211.10	G 89.0	4.19
G 44.0	206.54	G 90.0	3.45
G 45.0	201.48		

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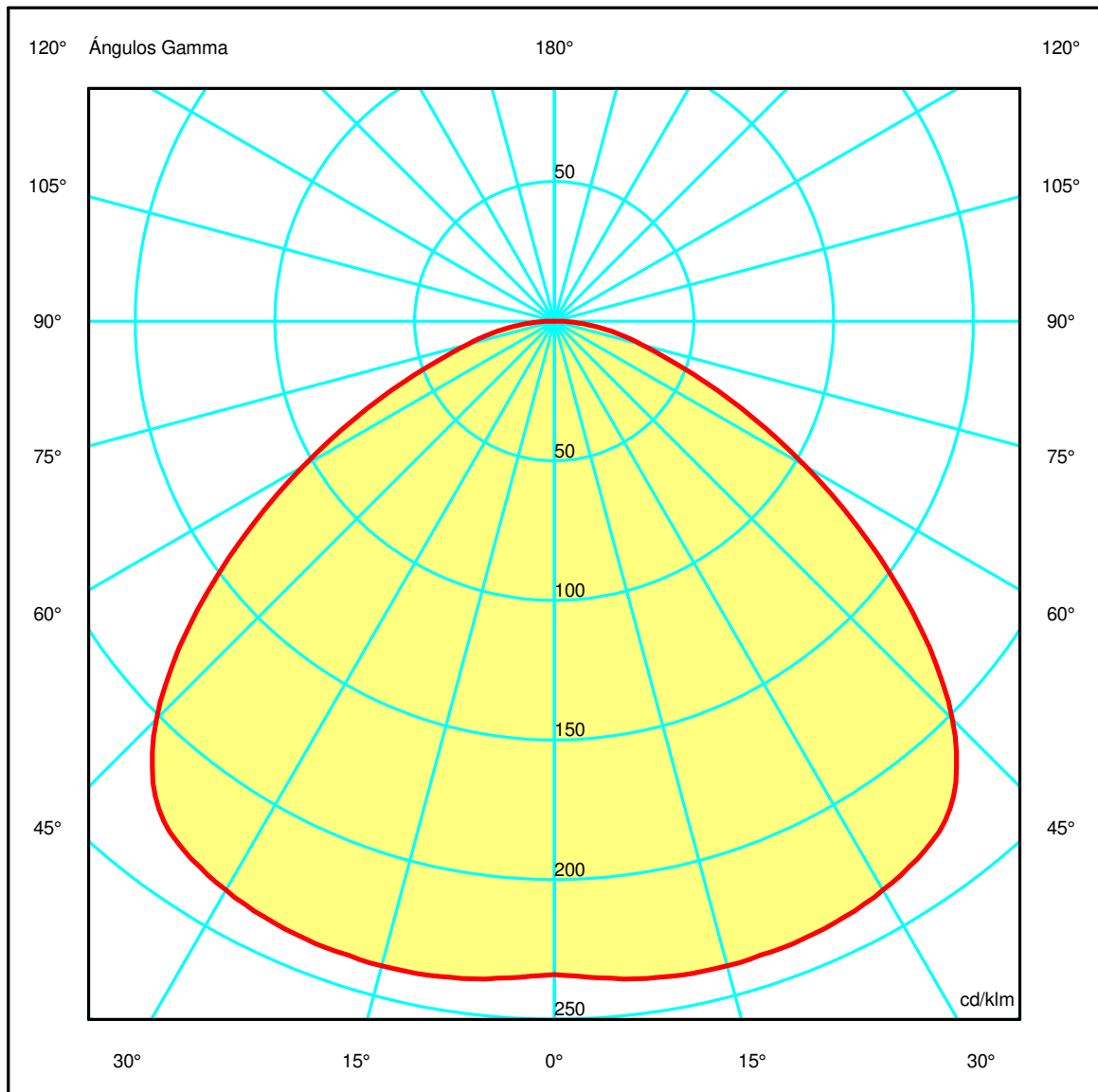
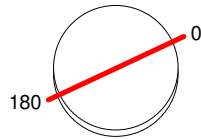
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Diam=150mm

Semiplanos C

180.0  0.0



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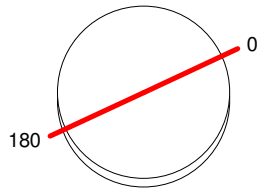
Ensayo

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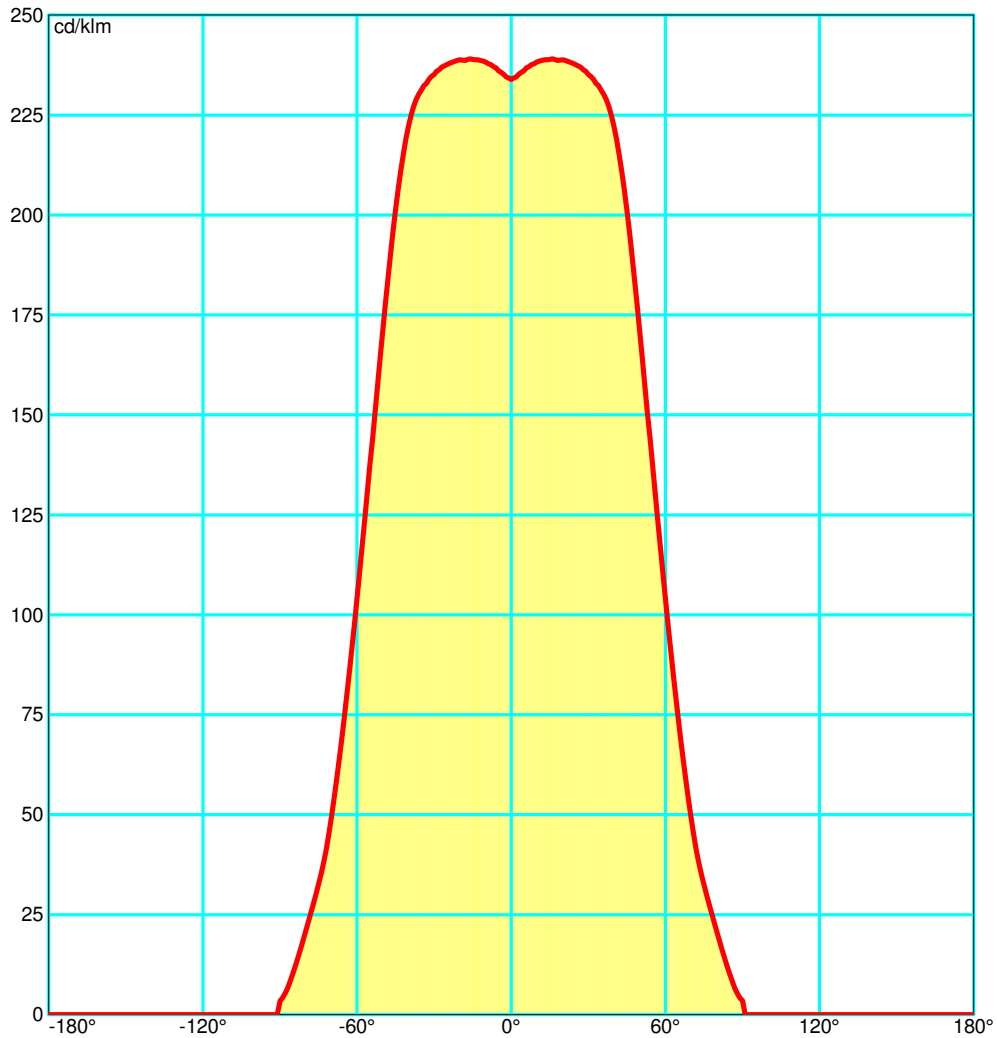
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UGR
S = 0.250

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	21.6	22.9	21.9	23.1	23.3	21.6	22.9	21.9	23.1	23.3
x=2H y=3H	22.5	23.7	22.8	23.9	24.2	22.5	23.7	22.8	23.9	24.2
x=2H y=4H	22.8	23.9	23.2	24.2	24.5	22.8	23.9	23.2	24.2	24.5
x=2H y=6H	23.1	24.1	23.5	24.4	24.7	23.1	24.1	23.5	24.4	24.7
x=2H y=8H	23.2	24.2	23.6	24.5	24.8	23.2	24.2	23.6	24.5	24.8
x=2H y=12H	23.3	24.2	23.7	24.6	24.9	23.3	24.2	23.7	24.6	24.9
x=4H y=2H	22.1	23.2	22.4	23.5	23.8	22.1	23.2	22.4	23.5	23.8
x=4H y=3H	23.2	24.1	23.6	24.4	24.8	23.2	24.1	23.6	24.4	24.8
x=4H y=4H	23.6	24.4	24.0	24.8	25.1	23.6	24.4	24.0	24.8	25.1
x=4H y=6H	24.0	24.7	24.4	25.1	25.5	24.0	24.7	24.4	25.1	25.5
x=4H y=8H	24.2	24.8	24.6	25.2	25.6	24.2	24.8	24.6	25.2	25.6
x=4H y=12H	24.3	24.9	24.8	25.3	25.8	24.3	24.9	24.8	25.3	25.8
x=8H y=4H	23.8	24.5	24.3	24.9	25.3	23.8	24.5	24.3	24.9	25.3
x=8H y=6H	24.3	24.9	24.8	25.3	25.8	24.3	24.9	24.8	25.3	25.8
x=8H y=8H	24.6	25.1	25.1	25.5	26.0	24.6	25.1	25.1	25.5	26.0
x=8H y=12H	24.8	25.2	25.3	25.7	26.2	24.8	25.2	25.3	25.7	26.2
x=12H y=4H	23.8	24.4	24.3	24.8	25.3	23.8	24.4	24.3	24.8	25.3
x=12H y=6H	24.4	24.9	24.9	25.3	25.8	24.4	24.9	24.9	25.3	25.8
x=12H y=8H	24.7	25.1	25.2	25.6	26.0	24.7	25.1	25.2	25.6	26.0

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Flujo Total=1035.00 Flujo Luminaria=768.44

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	0.31	0.41	0.48	0.56	0.62	0.70	0.76	0.80	0.84	0.87	0.93	0.96
RC	5	5	5	4	4	4	4	4	4	4	5	5

Flujo Zonal por 1000 Lúmenes

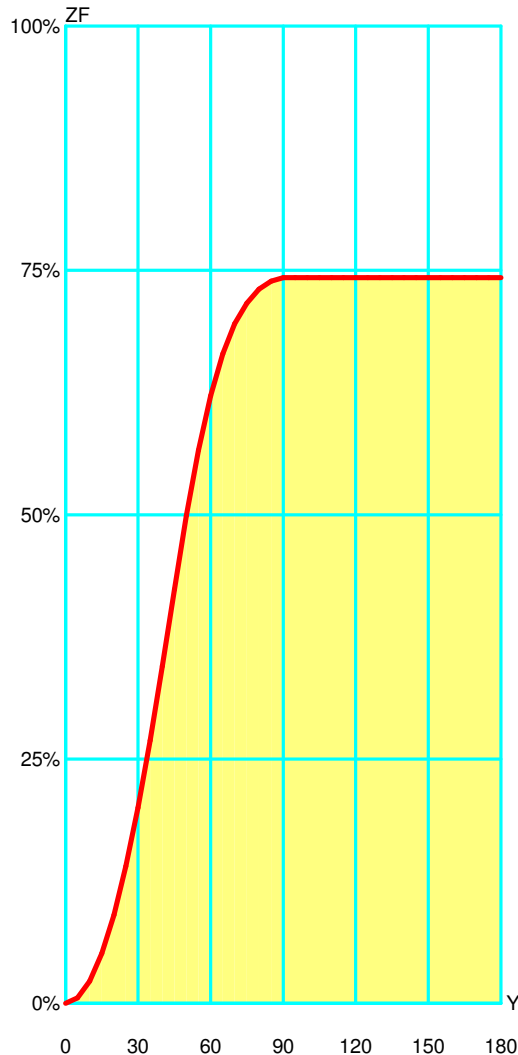
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	23	90	200	345	499	622	695	731	742	742	742	742	742	742	742	742	742	742

Códigos de Flujo C.I.E.

49 84 97 100 74

C.I.E.	5/5/5/4/4/4/4/4/4/5/5
D DIN 5040	A30
F UTE	0.74 E
B NBN	BZ 4
RN	0.00000 %
BLF	1.0

LOR	74.24509 %
ULOR	0.00000 %
DLOR	74.24509 %
UFF	0.00000 %
DFF	100.00000 %
FFR	0.00000 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.63	5.63	0.76 %	0.76 %
10°	16.99	22.61	2.29 %	3.05 %
15°	28.32	50.93	3.81 %	6.86 %
20°	39.37	90.30	5.30 %	12.16 %
25°	49.98	140.28	6.73 %	18.89 %
30°	59.87	200.14	8.06 %	26.96 %
35°	68.73	268.87	9.26 %	36.21 %
40°	75.90	344.77	10.22 %	46.44 %
45°	78.72	423.49	10.60 %	57.04 %
50°	75.46	498.96	10.16 %	67.20 %
55°	67.03	565.99	9.03 %	76.23 %
60°	55.56	621.54	7.48 %	83.72 %
65°	43.02	664.56	5.79 %	89.51 %
70°	30.92	695.48	4.16 %	93.67 %
75°	20.92	716.40	2.82 %	96.49 %
80°	14.22	730.61	1.91 %	98.41 %
85°	8.38	738.99	1.13 %	99.53 %
90°	3.46	742.45	0.47 %	100.00 %
95°	0.00	742.45	0.00 %	100.00 %
100°	0.00	742.45	0.00 %	100.00 %
105°	0.00	742.45	0.00 %	100.00 %
110°	0.00	742.45	0.00 %	100.00 %
115°	0.00	742.45	0.00 %	100.00 %
120°	0.00	742.45	0.00 %	100.00 %
125°	0.00	742.45	0.00 %	100.00 %
130°	0.00	742.45	0.00 %	100.00 %
135°	0.00	742.45	0.00 %	100.00 %
140°	0.00	742.45	0.00 %	100.00 %
145°	0.00	742.45	0.00 %	100.00 %
150°	0.00	742.45	0.00 %	100.00 %
155°	0.00	742.45	0.00 %	100.00 %
160°	0.00	742.45	0.00 %	100.00 %
165°	0.00	742.45	0.00 %	100.00 %
170°	0.00	742.45	0.00 %	100.00 %
175°	0.00	742.45	0.00 %	100.00 %
180°	0.00	742.45	0.00 %	100.00 %

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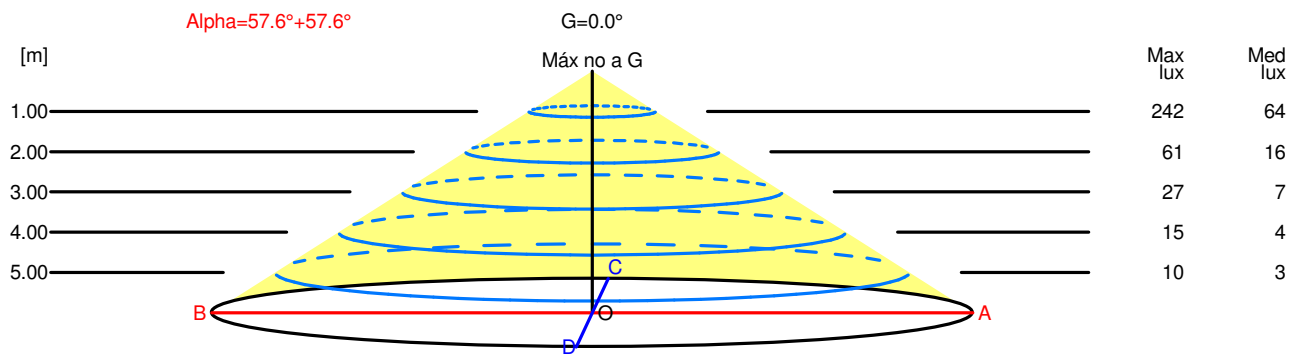
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Apertura a 50.00 % de Max Intensidad

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	1.58	3.15	4.73	6.31	7.88	OC	1.58	3.15	4.73	6.31	7.88
OB	1.58	3.15	4.73	6.31	7.88	OD	1.58	3.15	4.73	6.31	7.88

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	242.09	244.34	247.28	245.94	239.31	208.53	141.98	76.57	33.67	10.66
OB	242.09	244.34	247.28	245.94	239.31	208.53	141.98	76.57	33.67	10.66
OC	242.09	244.34	247.28	245.94	239.31	208.53	141.98	76.57	33.67	10.66
OD	242.09	244.34	247.28	245.94	239.31	208.53	141.98	76.57	33.67	10.66



H[m]	D[m]	Max lux	Med lux	Alpha=57.6°+57.6°	G=0.0 Máx no a G	
1.00	3.15	242	64			
2.00	6.31	61	16			
3.00	9.46	27	7			
4.00	12.61	15	4			
5.00	15.76	10	3			

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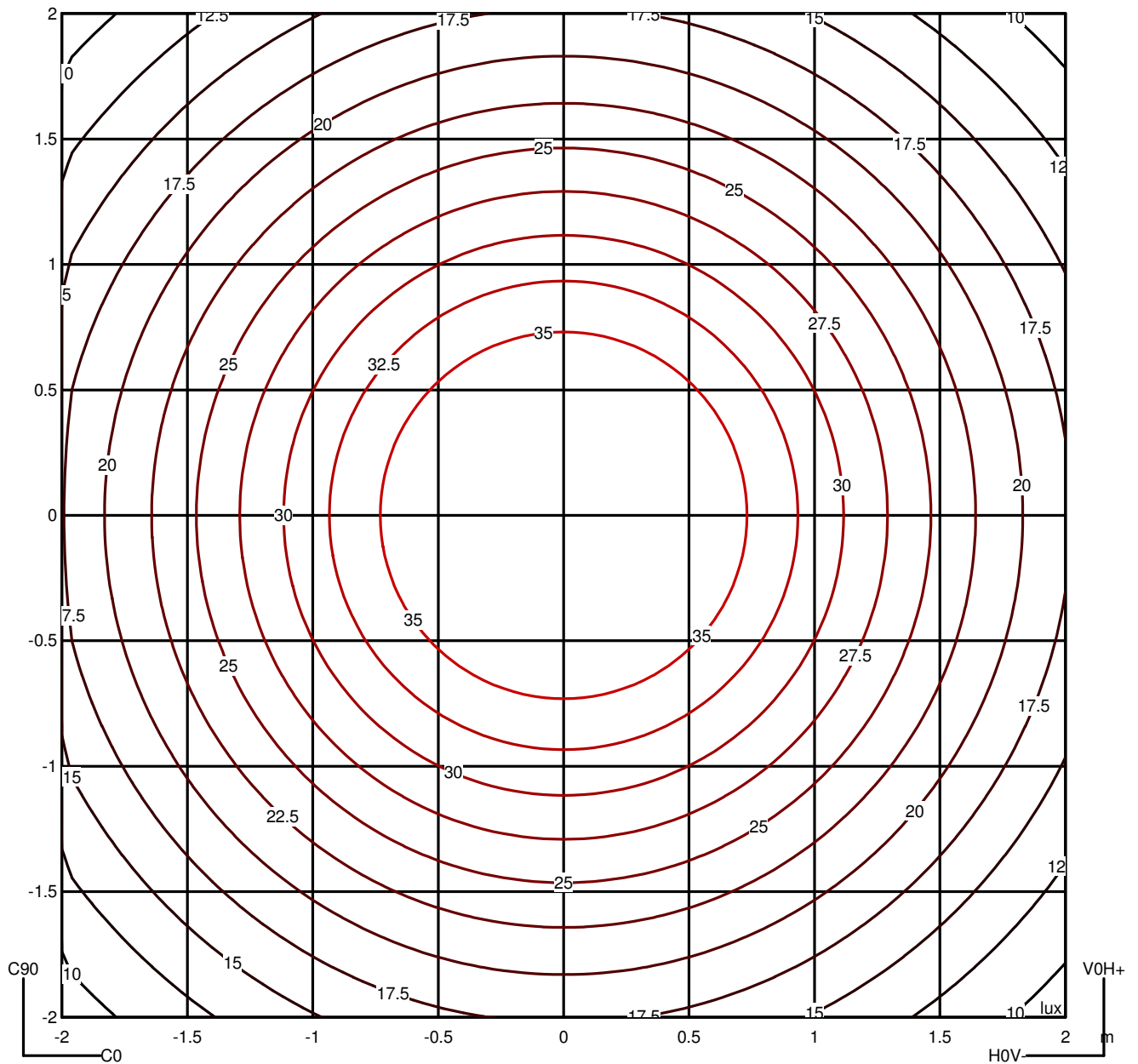
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Isolux (Suelo)

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



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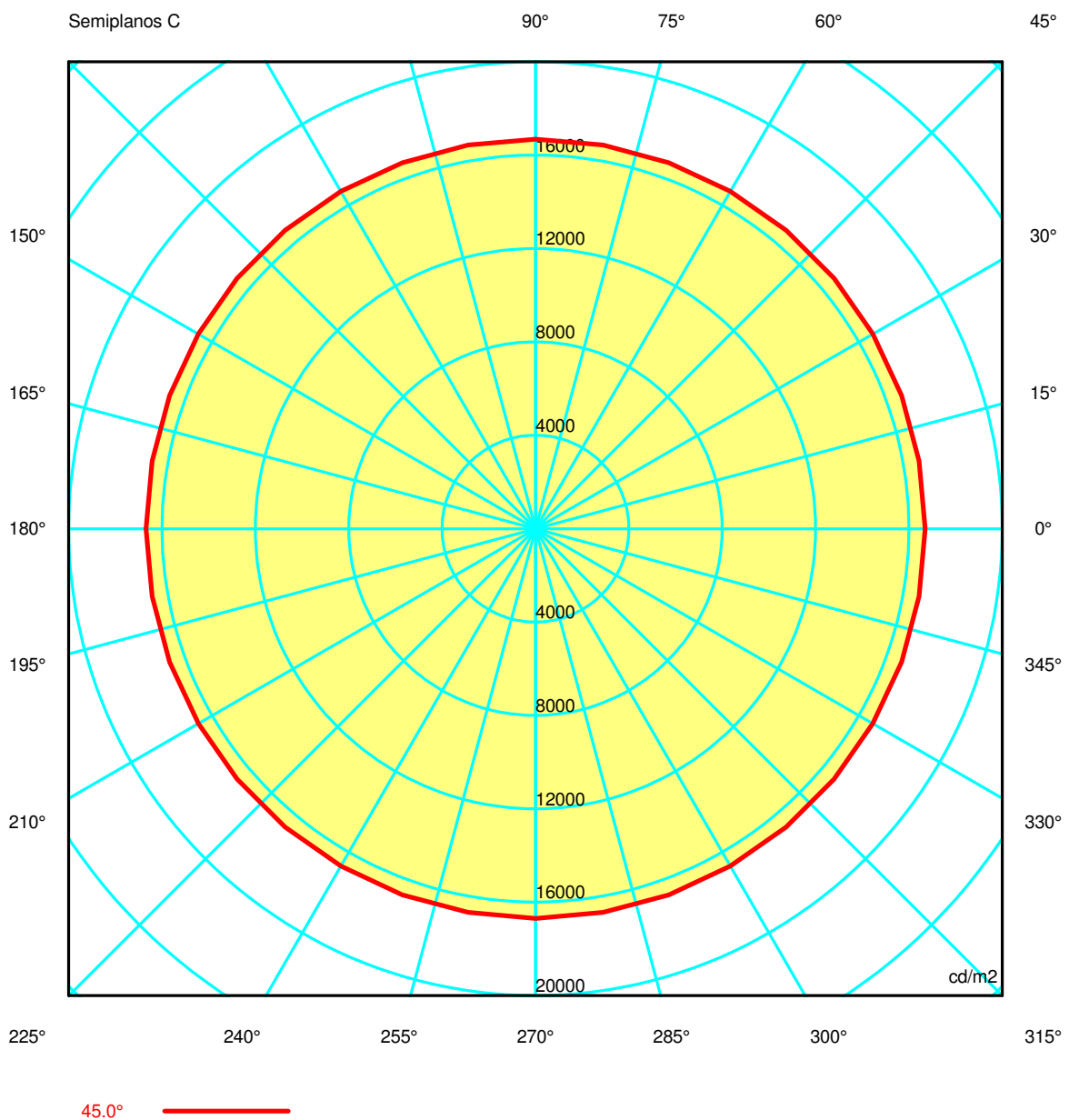
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Luminance cd/m2 Tabla 1/3

	C 0.00	C 10.00	C 20.00	C 30.00	C 40.00	C 50.00	C 60.00	C 70.00	C 80.00	C 90.00	C 100.00	C 110.00	C 120.00
G 0.0	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30
G 5.0	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83
G 10.0	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53
G 15.0	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09
G 20.0	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73
G 25.0	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80
G 30.0	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32
G 35.0	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21
G 40.0	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20
G 45.0	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21
G 50.0	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75
G 55.0	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03
G 60.0	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32
G 65.0	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90
G 70.0	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74
G 75.0	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69
G 80.0	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21
G 85.0	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Código 00-7392-05-05

Nombre ATTIC

Flujo Luminaria	768.44 lm	Potencia luminaria	11.00 W	Eficacia	69.86 lm/W	Eficiencia	74.25%
Flujo de Lámpara	1035.00 lm	Valor Máximo	239.03 cd/klm	Posición	C=0.00 G=16.00	CG	Rotosimétrico

Luminance cd/m2 Tabla 2/3

	C 130.00	C 140.00	C 150.00	C 160.00	C 170.00	C 180.00	C 190.00	C 200.00	C 210.00	C 220.00	C 230.00	C 240.00	C 250.00
G 0.0	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30
G 5.0	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83
G 10.0	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53
G 15.0	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09
G 20.0	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73
G 25.0	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80
G 30.0	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32
G 35.0	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21
G 40.0	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20
G 45.0	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21
G 50.0	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75
G 55.0	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03
G 60.0	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32
G 65.0	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90
G 70.0	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74
G 75.0	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69
G 80.0	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21
G 85.0	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Luminaria

Código 00-7392-05-05

Nombre ATTIC

Ensayo

Código 00-7392-05-05

Nombre ATTIC

Flujo Luminaria	768.44 lm	Potencia luminaria	11.00 W	Eficacia	69.86 lm/W	Eficiencia	74.25%
Flujo de Lámpara	1035.00 lm	Valor Máximo	239.03 cd/klm	Posición	C=0.00 G=16.00	CG	Rotosimétrico

Luminance cd/m2 Tabla 3/3

	C 260.00	C 270.00	C 280.00	C 290.00	C 300.00	C 310.00	C 320.00	C 330.00	C 340.00	C 350.00
G 0.0	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30	13699.30
G 5.0	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83	13879.83
G 10.0	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53	14168.53
G 15.0	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09	14487.09
G 20.0	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73	14882.73
G 25.0	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80	15355.80
G 30.0	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32	15899.32
G 35.0	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21	16532.21
G 40.0	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20	16988.20
G 45.0	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21	16688.21
G 50.0	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75	15599.75
G 55.0	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03	14008.03
G 60.0	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32	12167.32
G 65.0	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90	10252.90
G 70.0	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74	8426.74
G 75.0	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69	7360.69
G 80.0	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21	7032.21
G 85.0	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03	6922.03
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00