

LEDS C4[®]

Luminaria

Código 05-2706-81-81V2

Nombre IVY

Ensayo

Código 05-2706-81-81V2

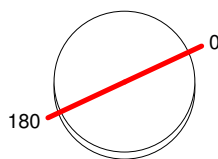
Nombre IVY

Flujo Luminaria	112.00 lm	Potencia luminaria	3.00 W	Eficacia	37.33 lm/W	Eficiencia	100.00%
Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico
Luminaria Redonda		Diam.	32 mm	Altura	50 mm		
Área Luminosa Redonda		Diam.	20 mm	Altura	0 mm		
Área Luminosa Horizontal		0.000314 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°		0.000076 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Rotosimétrico	
Fecha		29-01-2014		Máximo Ángulo Gamma		90	
Distancia de Ensayo		0.00		Flujo de Ensayo		112.00 lm	
Operador		OxyTech		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.
	05-2706-21-21V1	05-2706-21-21V1	112.00	3.00	1
C.I.E.	92 98 100 100 100	D DIN 5040	A60		
F UTE	1.00 A	B NBN	BZ 1		

Diam=32mm



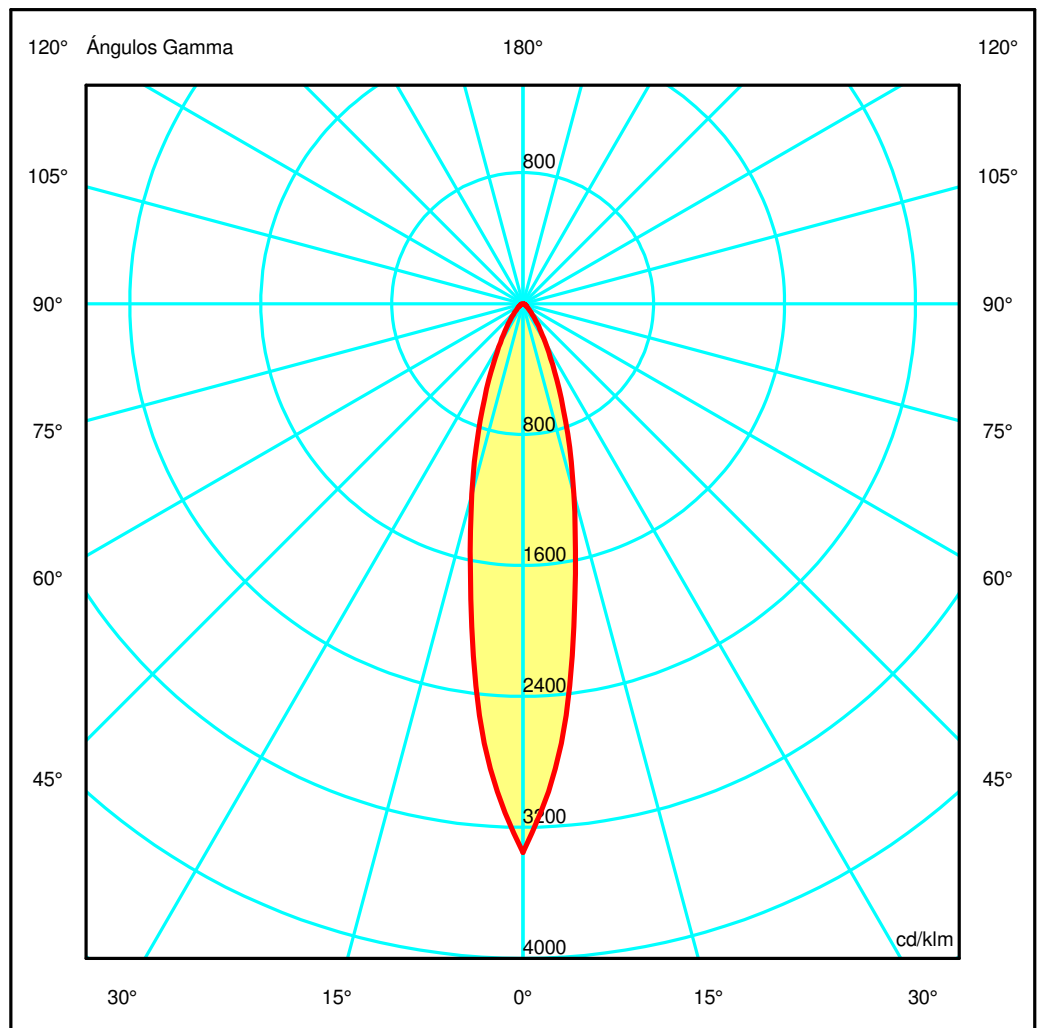
Semiplanos C

180.0 — 0.0

ULOR 0.00 %

DLOR 100.00 %

RN 0.00 %



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Tabla de Intensidad Luminosa cd/klm Tabla 1/1

C 0.00	
G 0.0	3351.89
G 5.0	2695.66
G 10.0	1832.03
G 15.0	1205.12
G 20.0	763.31
G 25.0	460.96
G 30.0	273.93
G 35.0	166.64
G 40.0	98.26
G 45.0	59.61
G 50.0	39.06
G 55.0	26.98
G 60.0	19.41
G 65.0	13.56
G 70.0	8.52
G 75.0	4.32
G 80.0	0.94
G 85.0	0.00
G 90.0	0.00

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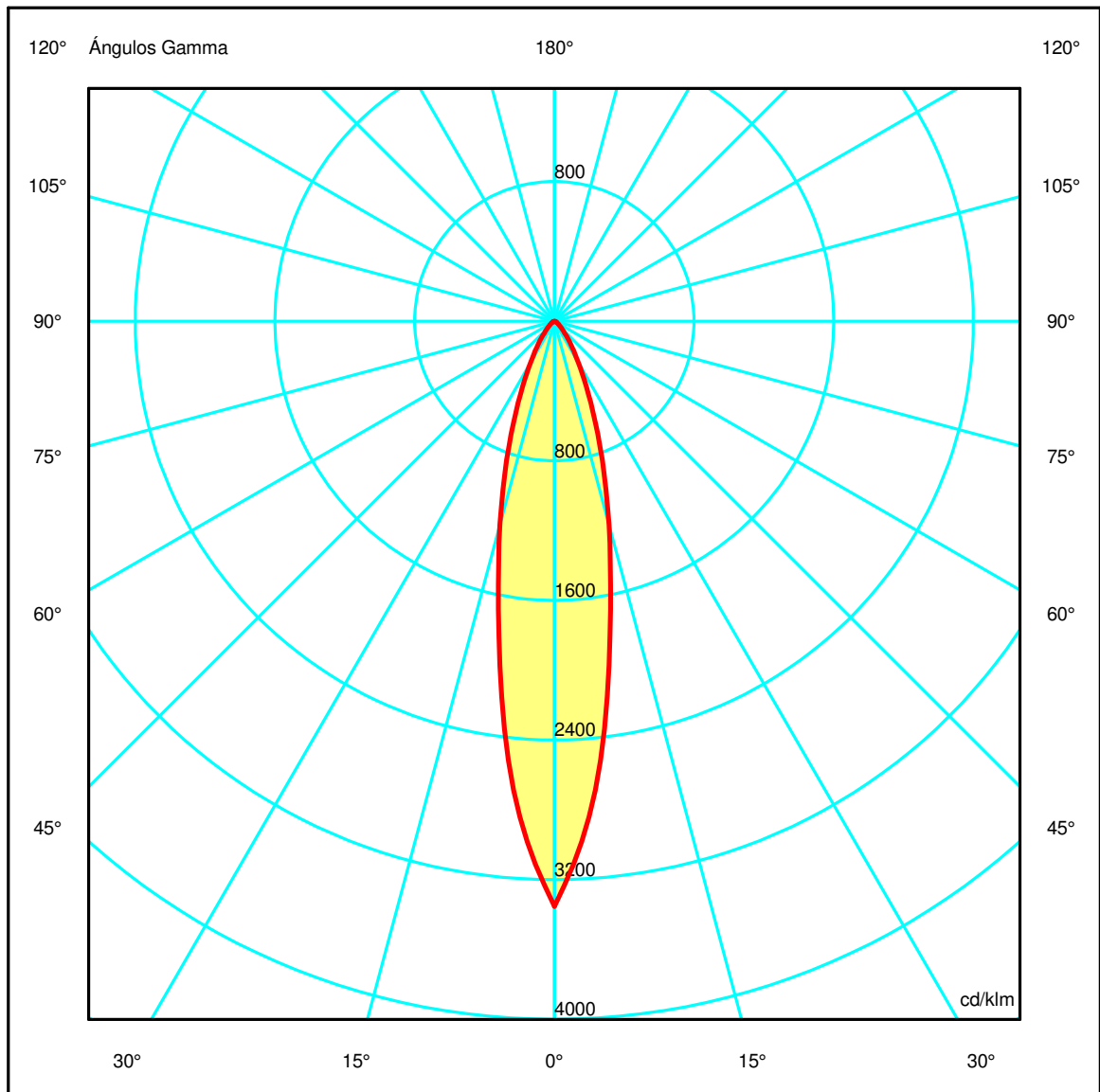
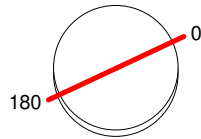
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Diam=32mm

Semiplanos C

180.0  0.0



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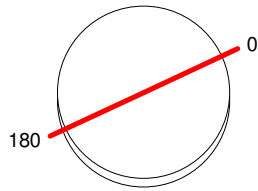
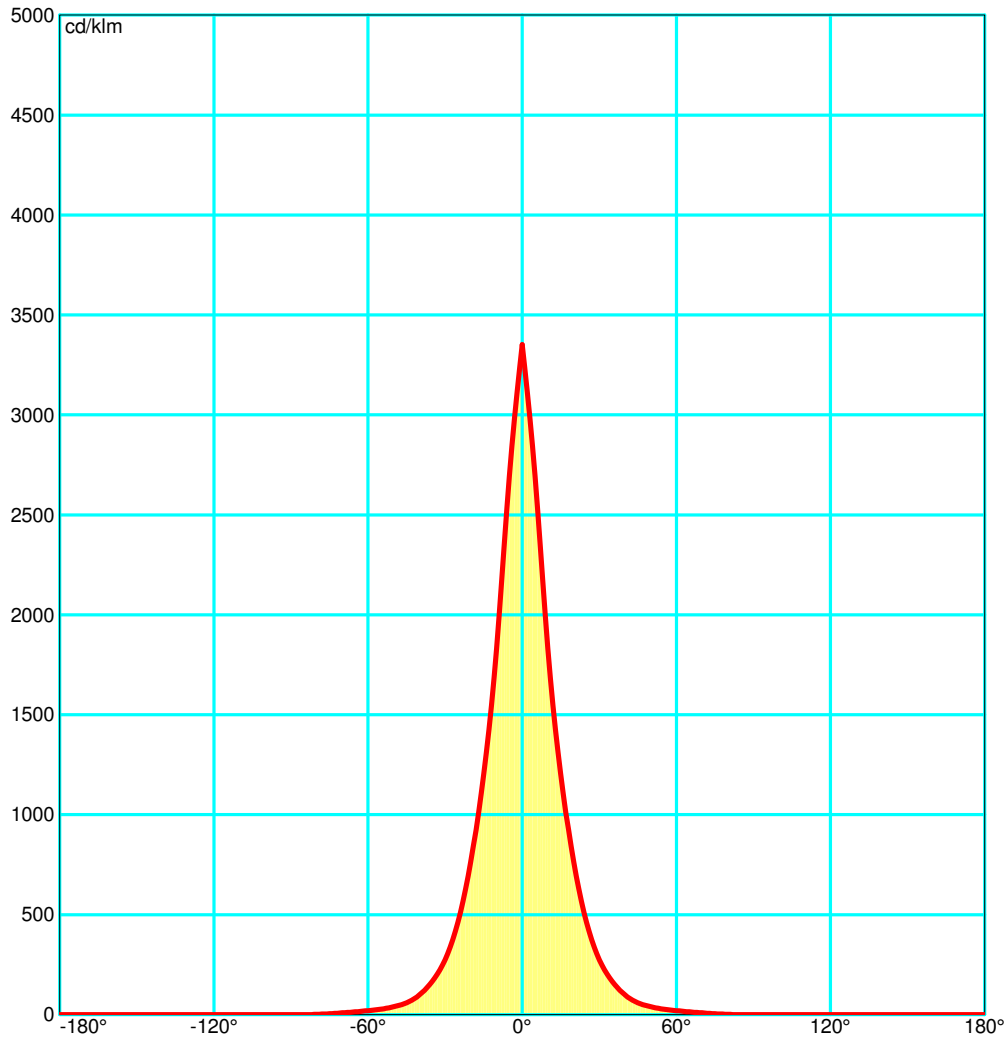
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Diam=32mm

Semiplanos C

180.0  0.0

Luminaria

Código 05-2706-81-81V2

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Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico

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	18.2	18.9	18.4	19.1	19.3	18.2	18.9	18.4	19.1	19.3
x=2H y=3H	18.5	19.2	18.8	19.4	19.7	18.5	19.2	18.8	19.4	19.7
x=2H y=4H	18.6	19.2	18.9	19.5	19.7	18.6	19.2	18.9	19.5	19.7
x=2H y=6H	18.5	19.1	18.9	19.4	19.7	18.5	19.1	18.9	19.4	19.7
x=2H y=8H	18.5	19.1	18.8	19.3	19.6	18.5	19.1	18.8	19.3	19.6
x=2H y=12H	18.5	19.0	18.8	19.3	19.6	18.5	19.0	18.8	19.3	19.6
x=4H y=2H	18.3	18.9	18.6	19.2	19.5	18.3	18.9	18.6	19.2	19.5
x=4H y=3H	18.8	19.3	19.1	19.6	19.9	18.8	19.3	19.1	19.6	19.9
x=4H y=4H	18.9	19.3	19.3	19.7	20.0	18.9	19.3	19.3	19.7	20.0
x=4H y=6H	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
x=4H y=8H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
x=4H y=12H	18.8	19.1	19.2	19.5	19.9	18.8	19.1	19.2	19.5	19.9
x=8H y=4H	18.9	19.2	19.3	19.6	20.0	18.9	19.2	19.3	19.6	20.0
x=8H y=6H	18.8	19.1	19.3	19.5	20.0	18.8	19.1	19.3	19.5	20.0
x=8H y=8H	18.8	19.0	19.3	19.5	19.9	18.8	19.0	19.3	19.5	19.9
x=8H y=12H	18.8	18.9	19.2	19.4	19.9	18.8	18.9	19.2	19.4	19.9
x=12H y=4H	18.8	19.1	19.3	19.5	19.9	18.8	19.1	19.3	19.5	19.9
x=12H y=6H	18.8	19.0	19.3	19.5	19.9	18.8	19.0	19.3	19.5	19.9
x=12H y=8H	18.8	18.9	19.2	19.4	19.9	18.8	18.9	19.2	19.4	19.9

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Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico

Flujo Total=112.00 Flujo Luminaria=112.00

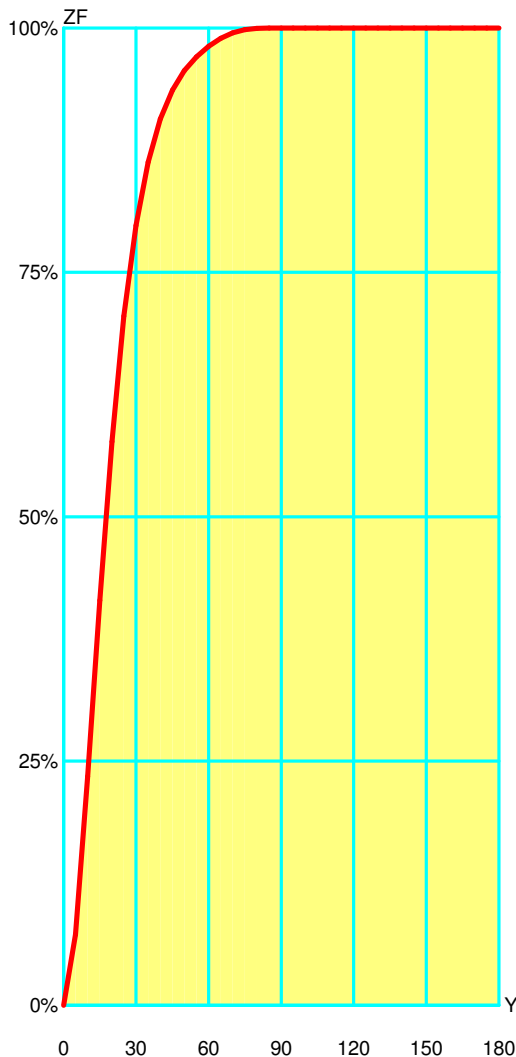
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.67	0.72	0.78	0.82	0.85	0.90	0.93	0.95	0.97	0.98	1.01	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	234	577	798	907	956	981	995	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
92 98 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-	LOR	100.00000 %
D DIN 5040	A60	ULOR	0.00000 %
F UTE	1.00 A	DLOR	100.00000 %
B NBN	BZ 1	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00%
5°	72.30	72.30	7.23%	7.23%
10°	161.97	234.27	16.20%	23.43%
15°	180.16	414.43	18.02%	41.44%
20°	162.23	576.65	16.22%	57.67%
25°	128.40	705.06	12.84%	70.51%
30°	93.00	798.06	9.30%	79.81%
35°	64.88	862.93	6.49%	86.29%
40°	44.20	907.13	4.42%	90.71%
45°	29.23	936.36	2.92%	93.64%
50°	19.94	956.30	1.99%	95.63%
55°	14.36	970.66	1.44%	97.07%
60°	10.72	981.38	1.07%	98.14%
65°	8.01	989.39	0.80%	98.94%
70°	5.59	994.98	0.56%	99.50%
75°	3.36	998.34	0.34%	99.83%
80°	1.41	999.75	0.14%	99.97%
85°	0.25	1000.00	0.03%	100.00%
90°	0.00	1000.00	0.00%	100.00%
95°	0.00	1000.00	0.00%	100.00%
100°	0.00	1000.00	0.00%	100.00%
105°	0.00	1000.00	0.00%	100.00%
110°	0.00	1000.00	0.00%	100.00%
115°	0.00	1000.00	0.00%	100.00%
120°	0.00	1000.00	0.00%	100.00%
125°	0.00	1000.00	0.00%	100.00%
130°	0.00	1000.00	0.00%	100.00%
135°	0.00	1000.00	0.00%	100.00%
140°	0.00	1000.00	0.00%	100.00%
145°	0.00	1000.00	0.00%	100.00%
150°	0.00	1000.00	0.00%	100.00%
155°	0.00	1000.00	0.00%	100.00%
160°	0.00	1000.00	0.00%	100.00%
165°	0.00	1000.00	0.00%	100.00%
170°	0.00	1000.00	0.00%	100.00%
175°	0.00	1000.00	0.00%	100.00%
180°	0.00	1000.00	0.00%	100.00%

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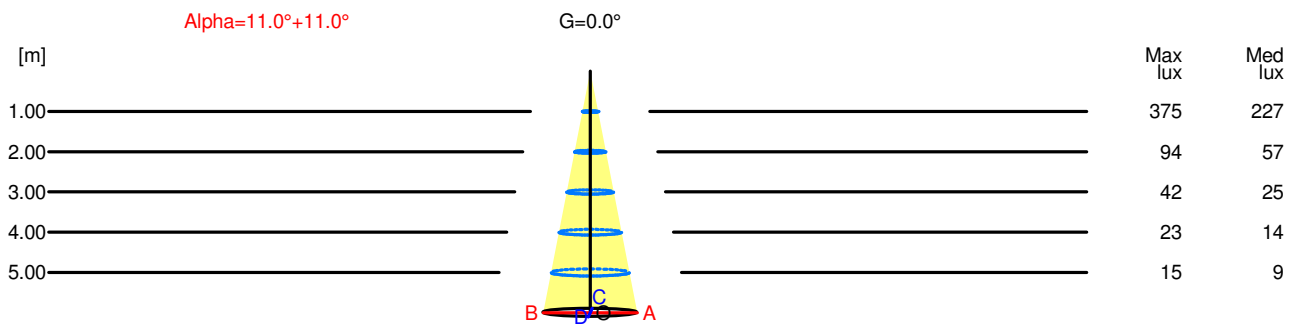
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Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico

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	0.20	0.39	0.59	0.78	0.98	OC	0.20	0.39	0.59	0.78	0.98
OB	0.20	0.39	0.59	0.78	0.98	OD	0.20	0.39	0.59	0.78	0.98

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	375.41	301.91	134.97	51.63	18.66	6.68	3.02	1.52	0.48	0.00
OB	375.41	301.91	134.97	51.63	18.66	6.68	3.02	1.52	0.48	0.00
OC	375.41	301.91	134.97	51.63	18.66	6.68	3.02	1.52	0.48	0.00
OD	375.41	301.91	134.97	51.63	18.66	6.68	3.02	1.52	0.48	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=11.0°+11.0°	G=0.0
1.00	0.39	375	227		
2.00	0.78	94	57		
3.00	1.17	42	25		
4.00	1.56	23	14		
5.00	1.95	15	9		

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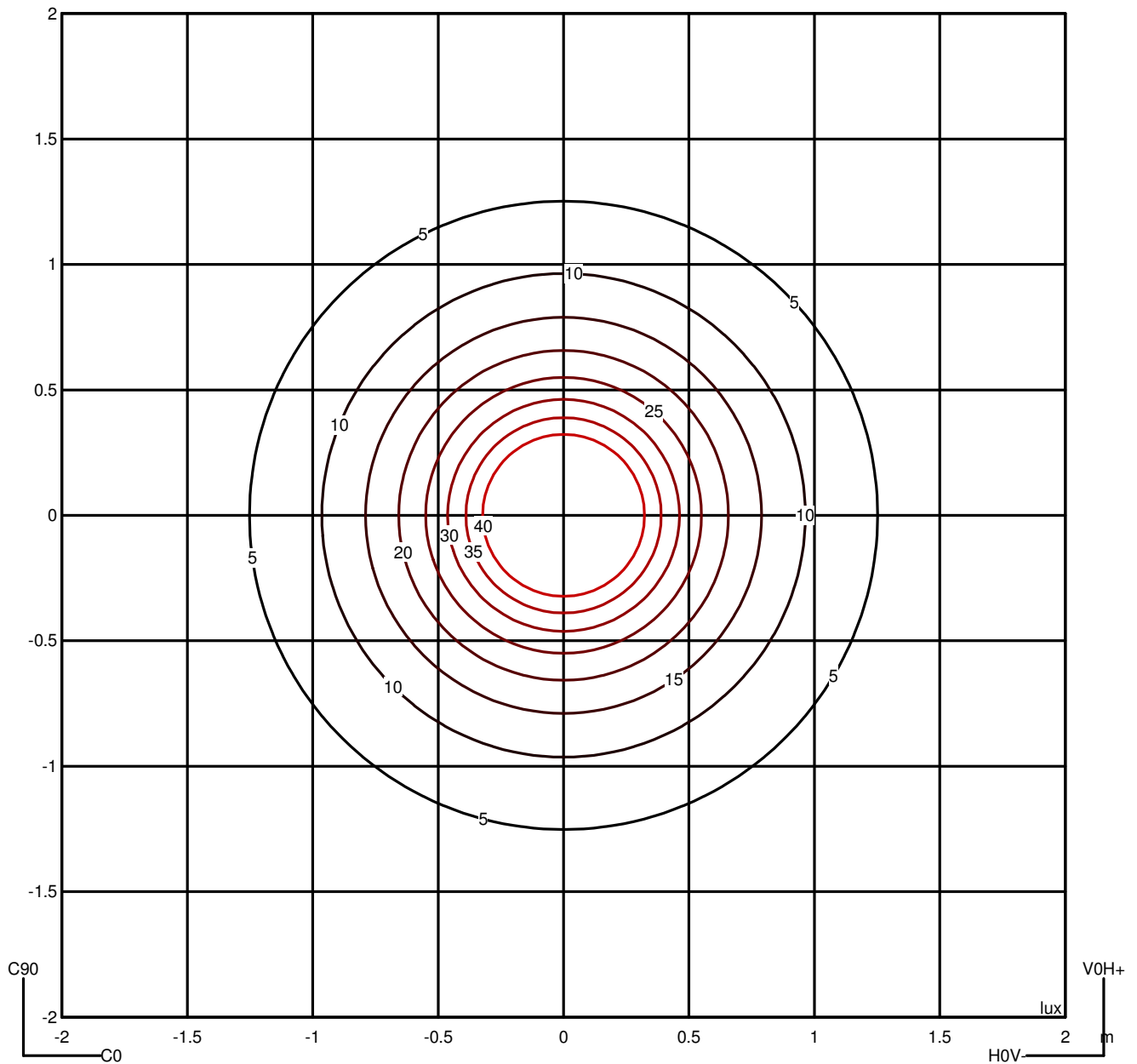
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Isolux (Suelo)

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



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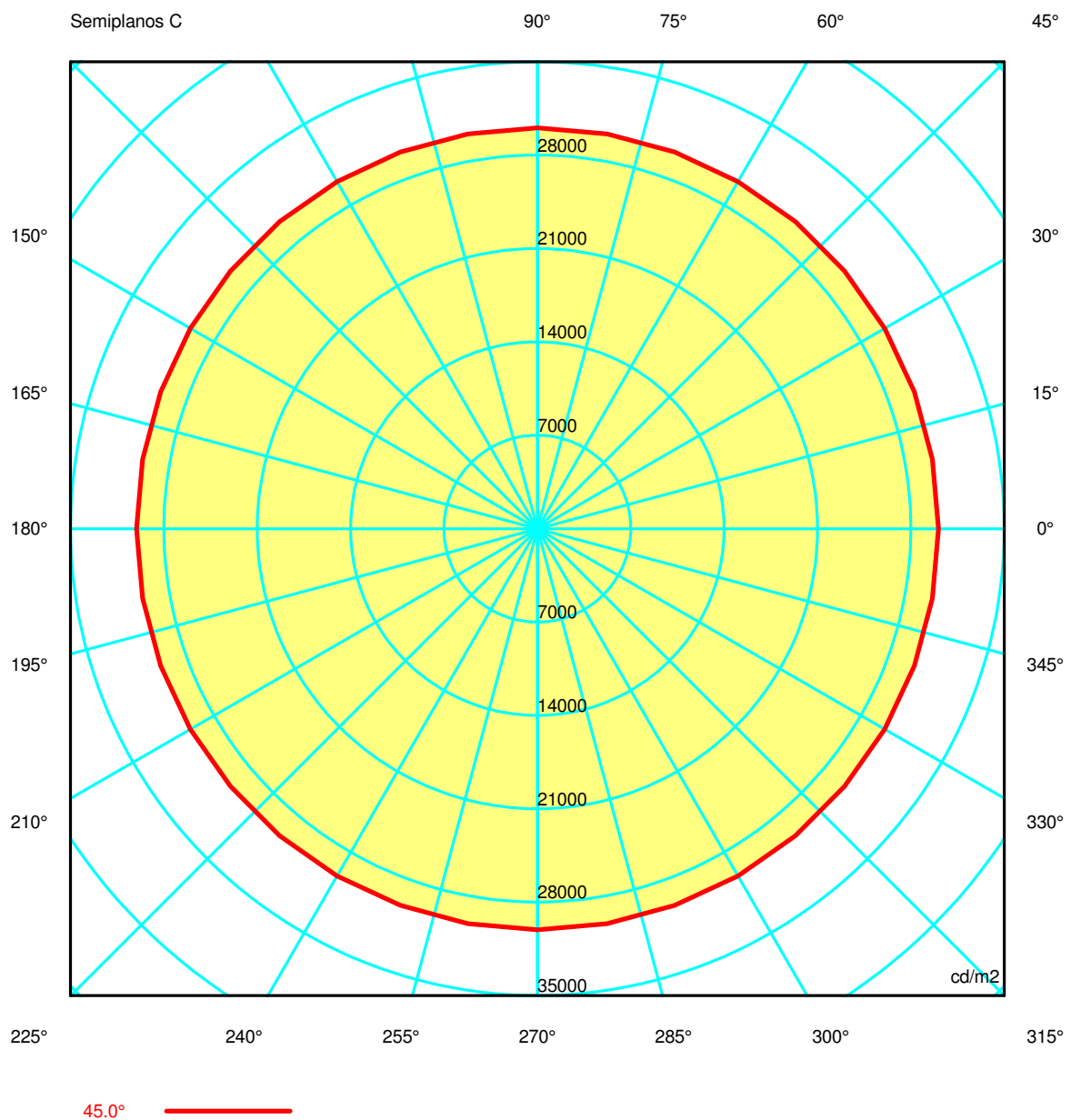
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Luminancia



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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	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83
G 5.0	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33
G 10.0	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12
G 15.0	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53
G 20.0	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59
G 25.0	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69
G 30.0	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06
G 35.0	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40
G 40.0	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49
G 45.0	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24
G 50.0	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58
G 55.0	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25
G 60.0	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25
G 65.0	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64
G 70.0	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84
G 75.0	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89
G 80.0	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68
G 85.0	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
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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Flujo Luminaria	112.00 lm	Potencia luminaria	3.00 W	Eficacia	37.33 lm/W	Eficiencia	100.00%
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Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	CG	Rotosimétrico
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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	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83
G 5.0	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33
G 10.0	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12
G 15.0	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53
G 20.0	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59
G 25.0	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69
G 30.0	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06
G 35.0	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40
G 40.0	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49
G 45.0	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24
G 50.0	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58
G 55.0	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25
G 60.0	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25
G 65.0	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64
G 70.0	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84
G 75.0	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89
G 80.0	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68
G 85.0	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
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 05-2706-81-81V2

Nombre IVY

Ensayo

Código 05-2706-81-81V2

Nombre IVY

Flujo Luminaria	112.00 lm	Potencia luminaria	3.00 W	Eficacia	37.33 lm/W	Eficiencia	100.00%
Flujo de Lámpara	112.00 lm	Valor Máximo	3351.89 cd/klm	Posición	C=0.00 G=0.00	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	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83	1194974.83
G 5.0	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33	964692.33
G 10.0	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12	663206.12
G 15.0	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53	444790.53
G 20.0	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59	289588.59
G 25.0	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69	181323.69
G 30.0	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06	112766.06
G 35.0	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40	72525.40
G 40.0	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49	45728.49
G 45.0	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24	30053.24
G 50.0	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58	21661.58
G 55.0	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25	16771.25
G 60.0	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25	13839.25
G 65.0	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64	11434.64
G 70.0	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84	8876.84
G 75.0	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89	5952.89
G 80.0	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68	1920.68
G 85.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
G 90.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00