

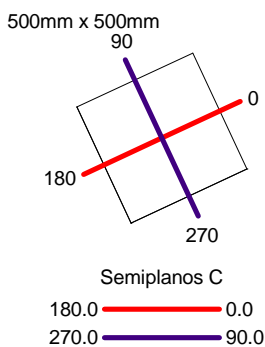
Luminaria

Código 0855
Nombre Colgante 5 Cuadrado ALG 2700K
Ensayo
Código 0855
Nombre Colgante 5 Cuadrado ALG 2700K

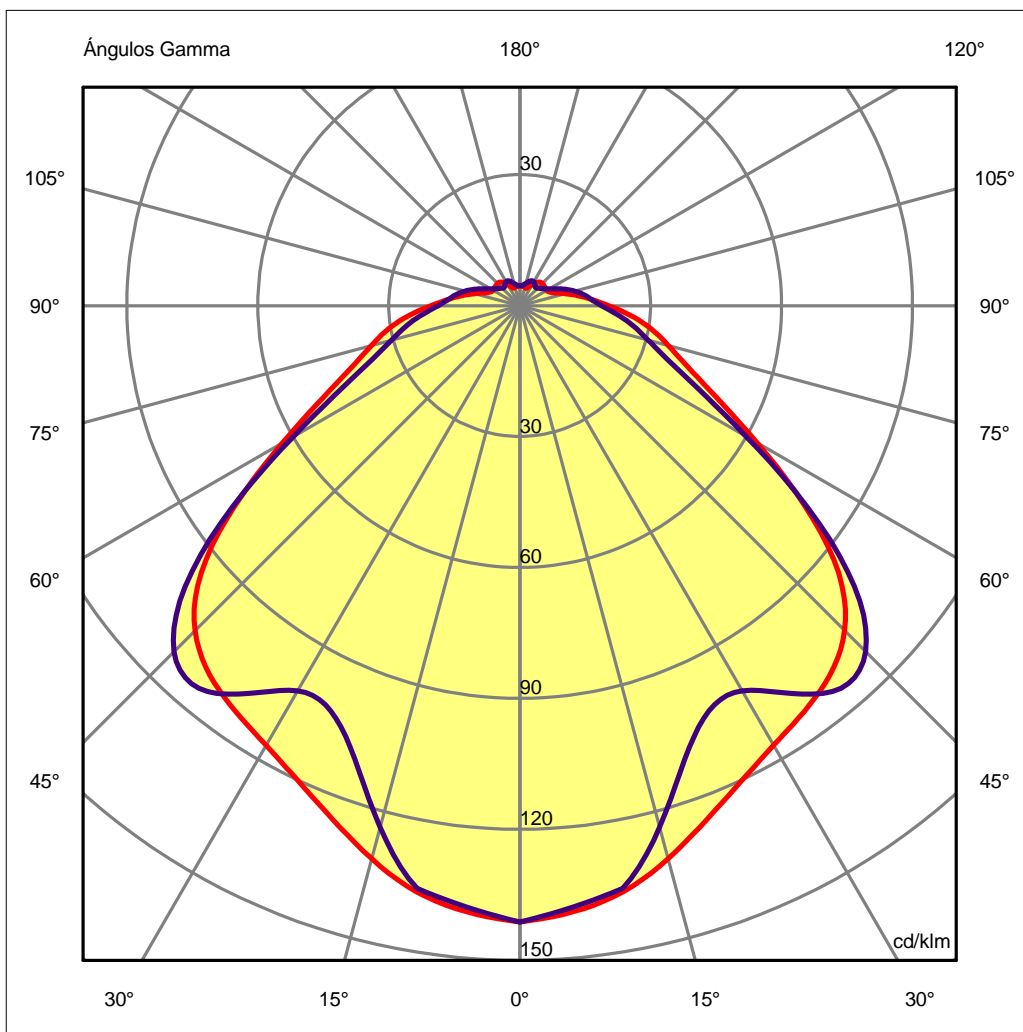
Flujo Luminaria	772.82 lm	Potencia luminaria	15.50 W	Eficacia	49.86 lm/W	Eficiencia	49.50%
Flujo de Lámpara	1561.40 lm	Valor Máximo	141.16 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Rectangular	Longit.	500 mm	Anchura	500 mm	Altura	1 mm	
Área Luminosa Rectangular	Longit.	500 mm	Anchura	500 mm	Altura	0 mm	
Área Luminosa Horizontal	0.250000 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°	0.060480 m2			
Sist. de Coorden.	CG		Tipo de Simetría	Bisimétrico			
Fecha	29-04-1994		Máximo Ángulo Gamma	180			
Distancia de Ensayo	0.00		Flujo de Ensayo	1561.40 lm			
Operador	Asselum		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.
VIBIA-Algorithm	5 led 1050mA 3,1W	CREE XPG BWT(XPG2) 27K CRI80	1561.40	15.50	1
C.I.E.	42 74 90 88 49	D DIN 5040	B31		
F UTE	0.43 E + 0.06 T	B NBN	BZ 5		



ULOR 6.08 %
DLOR 43.42 %
RN 12.28 %



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Tabla de Intensidad Luminosa cd/klm Tabla 1/3

	C 0.00	C 2.50	C 5.00	C 7.50	C 10.00	C 12.50	C 15.00	C 17.50	C 20.00	C 22.50	C 25.00	C 27.50	C 30.00
G 0.0	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16
G 10.0	136.34	136.18	135.81	135.48	135.27	135.16	135.20	135.35	135.51	135.62	135.77	135.95	136.04
G 20.0	125.26	124.18	123.23	122.45	121.93	121.47	121.02	120.64	120.29	119.88	119.47	119.13	118.89
G 30.0	116.28	116.24	116.16	115.85	115.05	114.25	113.88	113.42	112.47	111.54	111.00	110.83	110.77
G 40.0	110.47	112.72	113.99	113.28	112.64	111.75	110.39	109.50	109.11	109.04	109.46	109.47	109.25
G 50.0	95.33	96.08	95.54	94.45	93.22	91.97	90.84	90.33	90.44	90.84	91.54	92.44	92.94
G 60.0	62.67	62.32	62.23	62.54	61.49	61.09	60.70	61.10	61.62	61.67	61.30	61.31	61.69
G 70.0	40.89	40.65	41.34	40.95	41.08	41.33	41.24	41.05	41.70	42.01	41.89	41.33	40.75
G 80.0	30.57	31.24	31.28	30.81	30.59	30.50	30.46	30.36	29.89	29.48	29.69	30.33	30.33
G 90.0	20.40	20.82	21.22	21.86	21.80	21.73	21.34	21.31	20.71	20.61	20.76	20.97	21.28
G100.0	13.36	13.30	14.01	14.43	14.73	14.86	15.06	15.13	14.46	14.31	14.44	14.54	14.76
G110.0	8.56	8.70	8.95	9.36	10.07	10.28	10.64	10.90	10.79	10.55	10.43	10.47	10.56
G120.0	7.05	7.20	7.33	7.63	8.11	7.99	8.29	8.39	8.54	8.44	8.13	7.96	7.95
G130.0	7.16	7.25	7.24	7.44	7.56	7.39	7.22	7.06	6.98	7.04	7.06	6.97	6.90
G140.0	7.04	7.03	6.97	6.78	6.73	6.63	6.40	6.21	6.23	6.14	6.01	5.85	5.80
G150.0	5.61	5.57	5.46	5.28	5.07	4.91	4.83	4.75	4.67	4.73	4.91	5.15	5.36
G160.0	4.25	4.26	4.27	4.27	4.26	4.23	4.19	4.24	4.31	4.42	4.60	4.77	4.93
G170.0	4.50	4.51	4.53	4.56	4.53	4.55	4.53	4.49	4.46	4.53	4.58	4.62	4.61
G180.0	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57

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Flujo de Lámpara	1561.40 lm	Valor Máximo	141.16 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	

Tabla de Intensidad Luminosa cd/klm Tabla 2/3

	C 32.50	C 35.00	C 37.50	C 40.00	C 42.50	C 45.00	C 47.50	C 50.00	C 52.50	C 55.00	C 57.50	C 60.00	C 62.50
G 0.0	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16
G 10.0	136.06	135.92	135.91	135.95	136.24	136.01	135.87	135.74	135.66	135.62	135.62	135.63	135.65
G 20.0	118.56	118.76	119.07	118.58	118.12	117.65	117.20	116.78	116.40	116.04	115.70	115.36	114.97
G 30.0	111.40	110.81	109.87	109.51	109.30	109.09	109.29	109.63	109.84	109.84	109.61	109.22	108.73
G 40.0	109.25	109.35	109.57	109.37	109.27	109.74	110.73	111.97	113.07	113.83	114.42	114.81	115.07
G 50.0	92.83	92.65	92.71	92.89	93.13	93.52	93.98	94.36	94.58	94.71	94.95	95.44	96.24
G 60.0	61.60	61.14	60.97	61.28	61.95	62.79	63.34	63.23	62.32	60.91	59.55	58.48	57.82
G 70.0	40.69	40.46	39.95	39.57	39.41	39.35	39.35	39.35	39.29	39.12	38.84	38.51	38.17
G 80.0	30.04	29.84	29.48	28.88	28.15	27.52	27.20	27.13	27.31	27.63	27.96	28.24	28.44
G 90.0	21.48	21.49	21.37	21.14	20.72	20.23	19.74	19.32	18.99	18.75	18.62	18.62	18.72
G100.0	14.98	15.13	15.14	14.82	14.24	13.66	13.24	13.12	13.23	13.46	13.68	13.84	13.81
G110.0	10.61	10.67	10.56	10.28	9.88	9.51	9.22	9.24	9.54	9.88	10.14	10.23	10.22
G120.0	8.05	8.21	8.18	7.93	7.75	7.88	8.00	8.10	8.14	8.13	8.10	8.10	8.16
G130.0	6.92	6.96	6.89	6.80	6.77	6.89	7.06	7.11	7.07	6.98	6.94	6.97	7.04
G140.0	5.73	5.75	5.84	5.97	6.06	6.13	6.14	6.07	5.98	5.80	5.66	5.65	5.74
G150.0	5.53	5.63	5.63	5.61	5.60	5.65	5.75	5.84	5.95	6.03	6.10	6.15	6.21
G160.0	5.05	5.12	5.14	5.13	5.17	5.19	5.24	5.34	5.43	5.52	5.60	5.69	5.78
G170.0	4.69	4.71	4.77	4.81	4.86	4.90	4.94	4.97	5.01	5.02	5.03	5.03	5.01
G180.0	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57

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Flujo de Lámpara	1561.40 lm	Valor Máximo	141.16 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

Tabla de Intensidad Luminosa cd/klm Tabla 3/3

	C 65.00	C 67.50	C 70.00	C 72.50	C 75.00	C 77.50	C 80.00	C 82.50	C 85.00	C 87.50	C 90.00
G 0.0	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16	141.16
G 10.0	135.67	135.69	135.71	135.65	135.67	135.65	135.62	135.60	135.57	135.55	135.55
G 20.0	114.54	114.08	113.58	113.07	112.57	112.11	111.71	111.05	110.75	110.62	110.55
G 30.0	108.09	107.33	106.53	105.70	104.87	104.04	103.39	102.77	102.28	102.00	101.90
G 40.0	115.22	115.31	115.34	115.32	115.14	115.07	114.97	114.74	114.55	114.46	114.42
G 50.0	97.21	98.13	98.88	99.37	99.62	99.72	99.78	99.87	99.97	100.06	100.08
G 60.0	57.69	58.08	58.55	58.91	59.12	59.22	59.28	59.41	59.61	59.79	59.85
G 70.0	37.93	37.70	37.49	37.24	37.09	36.86	36.62	36.30	36.12	36.06	36.04
G 80.0	28.60	28.76	28.94	29.22	29.51	29.58	29.24	28.47	27.54	26.73	26.31
G 90.0	18.90	19.12	19.36	19.70	20.05	20.28	20.26	19.95	19.46	18.97	18.70
G100.0	13.75	13.67	13.67	13.86	14.10	14.33	14.52	14.66	14.74	14.76	14.77
G110.0	10.21	10.28	10.50	10.80	11.06	11.30	11.39	11.34	11.20	11.05	11.00
G120.0	8.27	8.38	8.42	8.37	8.40	8.32	8.15	8.00	7.82	7.71	7.68
G130.0	7.13	7.23	7.31	7.34	7.28	7.11	6.86	6.60	6.37	6.21	6.16
G140.0	5.79	5.92	6.03	6.05	6.00	5.93	5.83	5.70	5.62	5.56	5.53
G150.0	6.27	6.34	6.39	6.42	6.43	6.42	6.38	6.36	6.34	6.33	6.33
G160.0	5.82	5.84	5.86	5.87	5.86	5.85	5.83	5.82	5.82	5.83	5.83
G170.0	4.99	4.99	4.97	4.93	4.90	4.87	4.85	4.83	4.82	4.81	4.81
G180.0	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57	4.57

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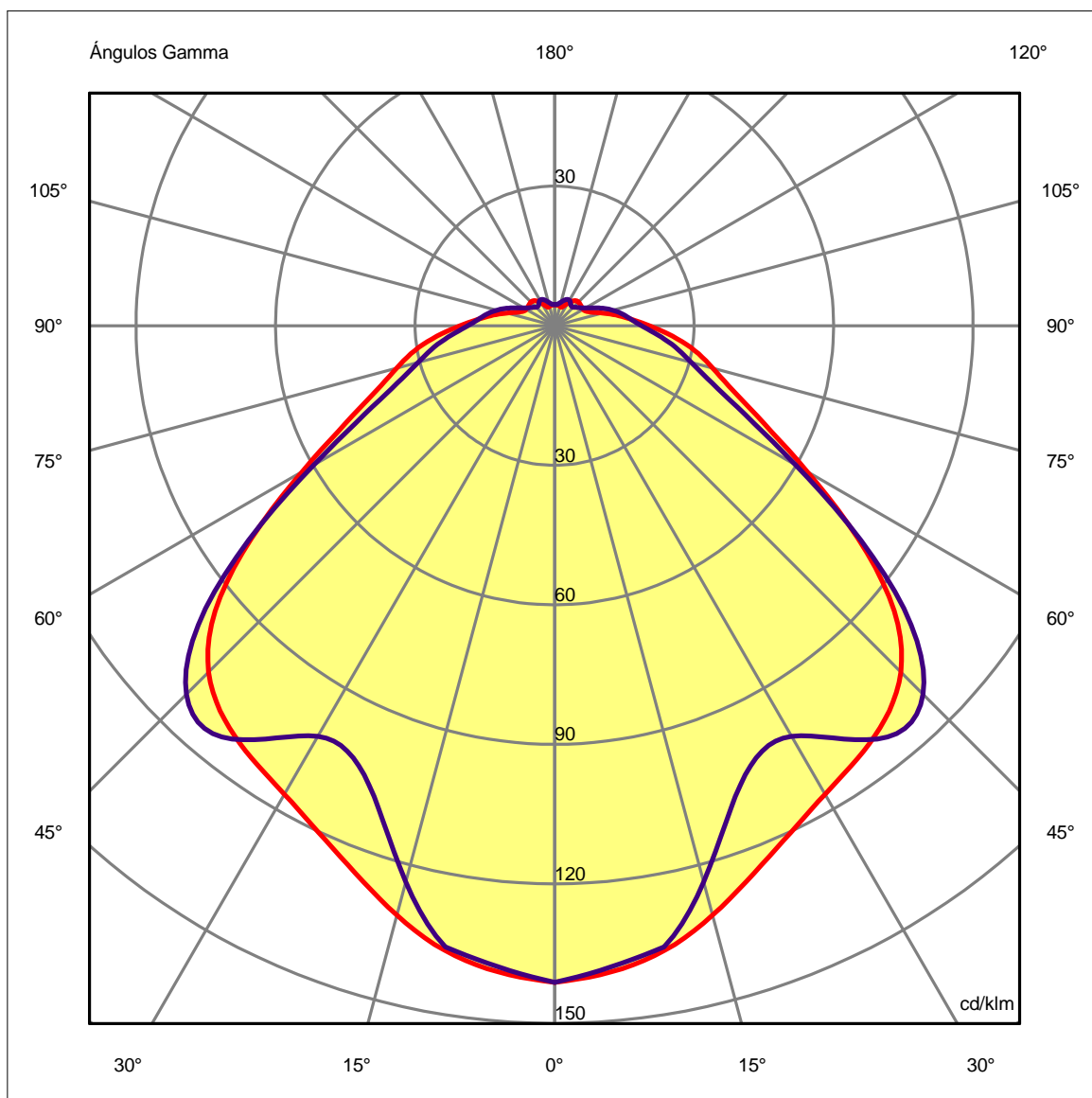
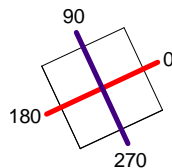
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Flujo de Lámpara	1561.40 lm	Valor Máximo	141.16 cd/klm	Posición	C=0.00 G=0.00	CG	Bisimétrico

500mm x 500mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



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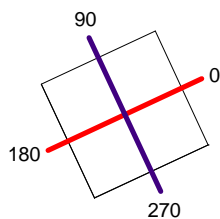
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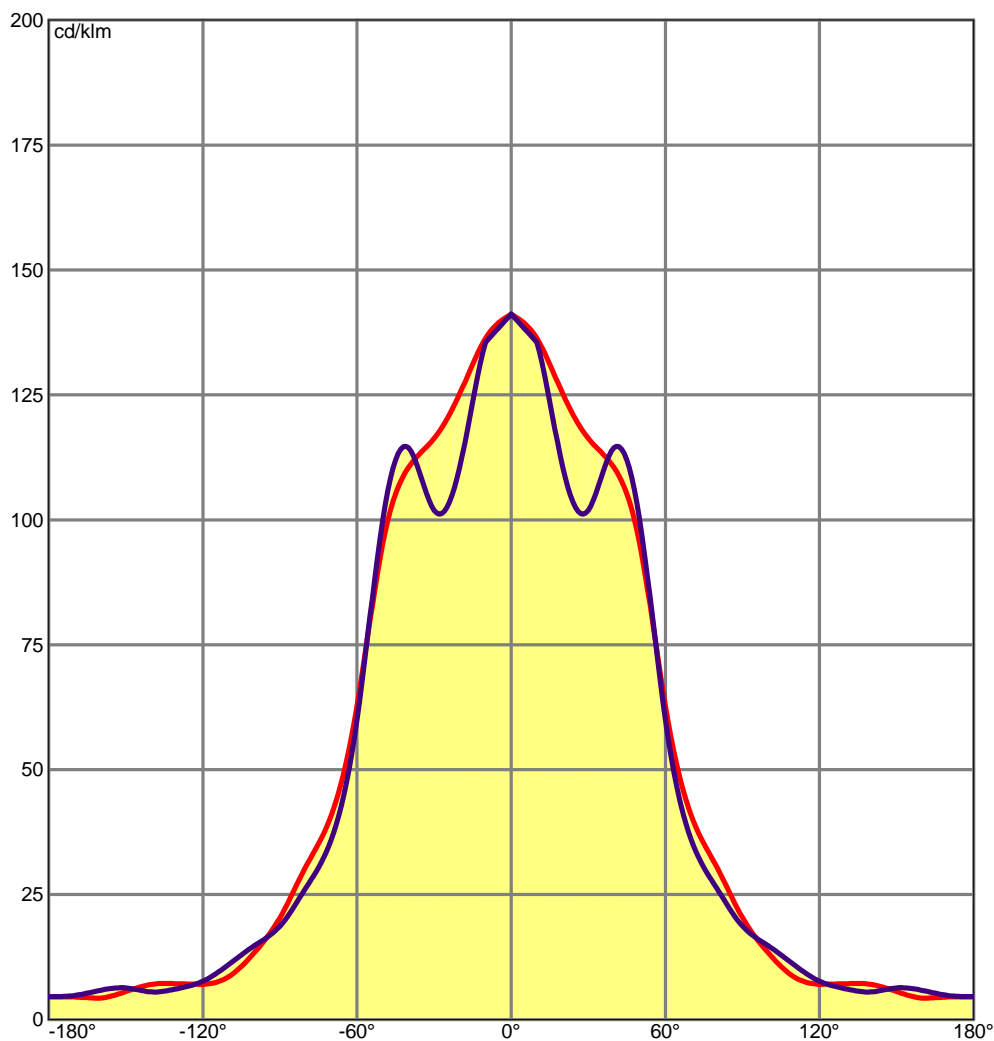
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500mm x 500mm



Semiplanos C

 180.0 ————— 0.0
 270.0 ————— 90.0


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Flujo de Lámpara	1561.40 lm	Valor Máximo	141.16 cd/klm	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	ViewedCrosswise					ViewedEndwise				
x=2H y=2H	10.9	12.2	11.4	12.6	13.1	10.9	12.2	11.4	12.6	13.1
x=2H y=3H	12.5	13.6	13.0	14.1	14.4	12.2	13.3	12.7	13.8	14.4
x=2H y=4H	13.5	14.5	14.0	15.0	15.2	13.0	14.1	13.6	14.6	15.2
x=2H y=6H	14.6	15.5	15.1	16.0	16.1	14.1	15.0	14.6	15.5	16.1
x=2H y=8H	15.2	16.1	15.8	16.7	16.7	14.6	15.6	15.2	16.1	16.7
x=2H y=12H	16.0	16.9	16.5	17.4	17.4	15.3	16.2	15.9	16.8	17.4
x=4H y=2H	11.6	12.6	12.1	13.1	13.7	11.6	12.6	12.1	13.1	13.7
x=4H y=3H	13.4	14.3	14.0	14.9	15.2	13.1	14.0	13.7	14.6	15.2
x=4H y=4H	14.5	15.3	15.1	15.9	16.1	14.1	14.9	14.7	15.5	16.1
x=4H y=6H	15.9	16.6	16.5	17.2	17.4	15.4	16.1	16.0	16.7	17.4
x=4H y=8H	16.6	17.3	17.3	17.9	18.1	16.2	16.8	16.8	17.4	18.1
x=4H y=12H	17.5	18.1	18.1	18.7	18.9	17.0	17.6	17.6	18.2	18.9
x=8H y=4H	15.0	15.6	15.6	16.3	16.6	14.7	15.3	15.3	15.9	16.6
x=8H y=6H	16.6	17.1	17.2	17.8	18.1	16.2	16.8	16.8	17.4	18.1
x=8H y=8H	17.5	18.0	18.2	18.7	19.0	17.1	17.6	17.8	18.3	19.0
x=8H y=12H	18.6	19.1	19.3	19.7	20.1	18.2	18.6	18.9	19.3	20.1
x=12H y=4H	15.1	15.7	15.7	16.3	16.7	14.8	15.4	15.4	16.0	16.7
x=12H y=6H	16.8	17.3	17.5	17.9	18.3	16.4	16.9	17.1	17.6	18.3
x=12H y=8H	17.8	18.3	18.5	18.9	19.3	17.5	17.9	18.1	18.5	19.3

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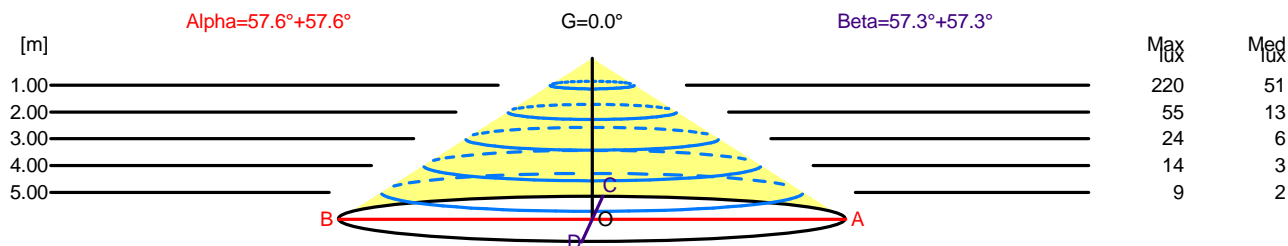
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Apertura a 50.00 % de Max Intensidad

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	1.57	3.15	4.72	6.30	7.87	OC	1.56	3.11	4.67	6.23	7.78
OB	1.57	3.15	4.72	6.30	7.87	OD	1.56	3.11	4.67	6.23	7.78

	Intensidades Luminosas [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	220.41	217.67	204.82	187.59	177.26	164.32	124.23	77.58	54.94	39.68
OB	220.41	217.67	204.82	187.59	177.26	164.32	124.23	77.58	54.94	39.68
OC	220.41	216.03	193.18	160.00	169.31	174.92	125.46	70.55	47.50	34.71
OD	220.41	216.03	193.18	160.00	169.31	174.92	125.46	70.55	47.50	34.71



H[m]	D[m]	Max lux	Med lux	Alpha=57.6°+57.6°	G=0.0
1.00	3.15	220	51		
2.00	6.30	55	13		
3.00	9.45	24	6		
4.00	12.60	14	3		
5.00	15.75	9	2		

H[m]	D[m]	Max lux	Med lux	Beta=57.3°+57.3°	G=0.0
1.00	3.11	220	51		
2.00	6.23	55	13		
3.00	9.34	24	6		
4.00	12.46	14	3		
5.00	15.57	9	2		

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Isolux (Suelo)

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

