

**Luminaria**

Código A704-015-15-22K

Nombre AMBROSIA A 60 LEFT MATT GOLD 22K

**Ensayo**

Código CL041A22F001G

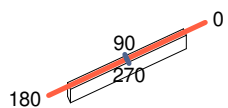
Nombre AMBROSIA A 60 LEFT MATT GOLD 22K

Flujo Luminaria	1003.54 lm	Potencia luminaria	12.21 W	Eficacia	82.20 lm/W	Eficiencia	100.00%
Flujo de Lámpara	1003.54 lm	Valor Máximo	221.97 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Rectangular	Longit.	34 mm	Anchora	610 mm	Altura	34 mm	
Área Luminosa Rectangular	Longit.	34 mm	Anchora	600 mm	Altura	34 mm	
Área Luminosa Horizontal	0.020400 m2		Área Emisión sobre Pl. 180°	0.001156 m2			
Área Emisión sobre Pl. 0°	0.001156 m2		Área Emisión sobre Pl. 270°	0.020400 m2			
Área Emisión sobre Pl. 90°	0.020400 m2		Área de deslumbramiento a 76°	0.006057 m2			
Sist. de Coorden.	CG		Tipo de Simetría	Bisimétrico			
Fecha	07-09-2022		Máximo Ángulo Gamma	180			
Distancia de Ensayo	6.44		Flujo de Ensayo	1003.54 lm			
Operador	Asselum T2		Tensión de alimentación [V]	230.12 V			
Temperatura	25.10 °C		Corriente de alimentación [A]	0.06 A			
Humedad	60.70 %		Fotocélula	Czibula Grundmann			
Notas	RM22070608; RM22070605; RM22070607						

Lámparas de la Luminaria					
Familia	Código LED	Nombre LED 24V	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	38 66 86 80 100	D DIN 5040	1003.54	12.21	1
F UTE	0.80 H + 0.20 T	B NBN	B21 BZ 6		



34mm x 610mm



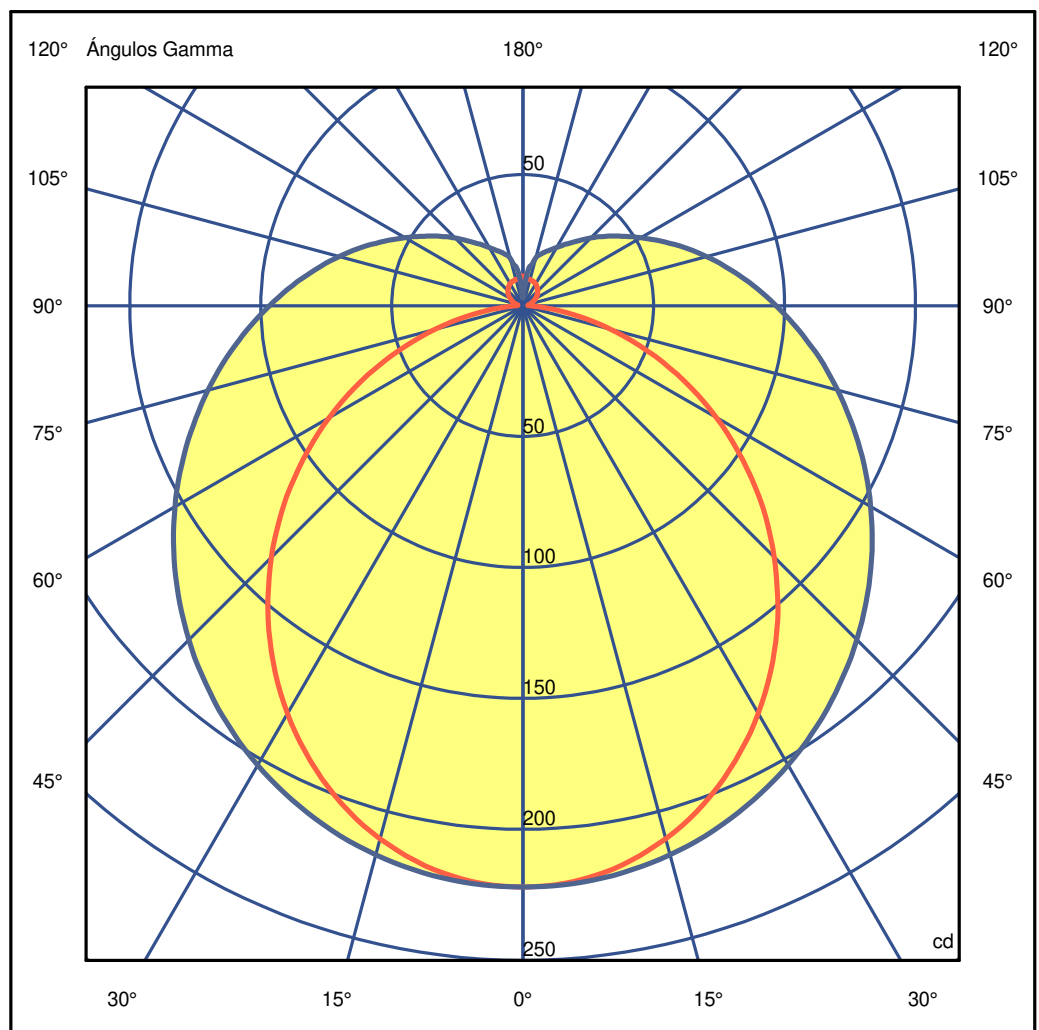
Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 20.11 %

DLOR 79.89 %

RN 20.11 %



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Flujo de Lámpara	1003.54 lm	Valor Máximo	221.97 cd	Posición	C=0.00 G=0.00	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	221.97	221.97	221.97	221.97	221.97	221.97	221.97
G 2.5	221.68	221.67	221.72	221.72	221.82	221.83	221.88
G 5.0	220.75	220.73	220.92	221.02	221.29	221.39	221.46
G 7.5	219.14	219.24	219.59	219.93	220.36	220.61	220.81
G 10.0	216.96	217.10	217.66	218.33	219.09	219.59	219.83
G 12.5	214.04	214.45	215.25	216.33	217.53	218.22	218.58
G 15.0	210.70	211.17	212.34	213.87	215.49	216.60	217.07
G 17.5	206.85	207.37	208.91	210.98	213.18	214.69	215.26
G 20.0	202.32	203.12	205.10	207.82	210.54	212.43	213.20
G 22.5	197.30	198.21	200.75	204.14	207.53	209.94	210.87
G 25.0	191.80	193.02	196.15	200.23	204.29	207.20	208.30
G 27.5	186.03	187.33	191.05	195.82	200.74	204.22	205.50
G 30.0	179.73	181.38	185.68	191.34	196.98	200.96	202.56
G 32.5	173.18	175.03	180.04	186.39	193.01	197.49	199.32
G 35.0	166.22	168.36	173.97	181.38	188.72	193.86	195.80
G 37.5	158.95	161.42	167.83	176.11	184.42	189.98	192.30
G 40.0	151.54	154.13	161.27	170.60	179.63	185.95	188.35
G 42.5	143.52	146.82	154.84	164.92	174.98	181.73	184.51
G 45.0	135.81	139.30	148.09	159.27	170.07	177.51	180.37
G 47.5	127.58	131.53	141.26	153.35	165.04	173.05	176.12
G 50.0	119.48	123.66	134.47	147.48	160.05	168.46	171.78
G 52.5	110.97	115.81	127.41	141.54	154.78	163.81	167.31
G 55.0	102.47	107.82	120.54	135.64	149.63	158.98	162.76
G 57.5	93.82	99.83	113.66	129.71	144.43	154.26	158.06
G 60.0	85.30	91.91	106.79	123.90	139.20	149.42	153.37
G 62.5	76.65	84.01	100.14	118.00	134.07	144.51	148.64
G 65.0	68.03	76.13	93.50	112.33	128.78	139.59	143.74
G 67.5	59.31	68.53	87.23	106.80	123.73	134.69	138.92
G 70.0	50.82	60.94	80.86	101.24	118.60	129.77	133.96
G 72.5	42.40	53.87	74.95	95.99	113.61	124.88	129.20
G 75.0	34.36	46.90	69.30	90.82	108.69	120.06	124.43
G 77.5	26.67	40.55	63.94	85.93	103.92	115.33	119.67
G 80.0	19.45	34.69	58.97	81.17	99.29	110.56	115.03
G 82.5	13.16	29.61	54.19	76.68	94.64	105.95	110.23
G 85.0	7.81	25.11	50.00	72.34	90.30	101.44	105.67
G 87.5	4.41	21.37	46.06	68.30	85.93	97.01	101.11
G 90.0	2.57	18.22	42.55	64.40	81.85	92.68	96.70
G 92.5	1.92	15.56	39.30	60.74	77.93	88.47	92.47
G 95.0	2.06	13.52	36.33	57.21	74.04	84.32	88.32
G 97.5	2.25	11.92	33.58	53.91	70.39	80.34	84.25
G100.0	2.54	10.78	31.06	50.70	66.71	76.44	80.20
G102.5	2.86	9.99	28.75	47.59	63.30	72.62	76.37
G105.0	3.16	9.34	26.69	44.68	59.85	68.93	72.55
G107.5	3.55	8.86	24.87	41.91	56.53	65.32	68.86
G110.0	3.92	8.56	23.19	39.43	53.38	61.82	65.33
G112.5	4.33	8.45	21.59	37.13	50.26	58.38	61.65
G115.0	4.72	8.57	20.13	34.99	47.44	55.12	58.26
G117.5	5.17	8.90	18.92	32.84	44.69	51.97	54.94
G120.0	5.64	9.29	18.06	30.92	42.27	49.14	51.87
G122.5	6.09	9.74	17.44	29.24	39.89	46.41	49.03
G125.0	6.56	10.14	17.08	27.77	37.60	43.89	46.19
G127.5	6.97	10.58	16.85	26.34	35.39	41.46	43.71
G130.0	7.36	11.04	16.68	25.05	33.38	39.20	41.16
G132.5	7.70	11.54	16.61	23.97	31.39	37.00	38.87
G135.0	8.06	12.04	16.60	23.09	29.54	34.89	36.50
G137.5	8.38	12.55	16.62	22.30	28.04	32.70	34.19
G140.0	8.64	12.97	16.62	21.60	26.77	30.70	32.17
G142.5	8.93	13.37	16.62	20.99	25.54	29.01	30.28
G145.0	9.23	13.69	16.66	20.47	24.47	27.46	28.67
G147.5	9.49	13.95	16.77	20.04	23.43	26.03	27.08
G150.0	9.71	14.04	16.91	19.65	22.59	24.70	25.63
G152.5	9.88	13.73	16.83	19.21	21.86	23.47	24.26
G155.0	10.02	13.16	16.08	18.50	21.13	22.44	23.19
G157.5	10.11	12.54	15.52	17.70	20.29	21.49	22.20
G160.0	10.19	11.89	14.16	16.50	19.18	20.44	21.20
G162.5	10.23	11.36	12.91	15.49	18.03	18.76	20.21
G165.0	10.26	10.98	11.82	13.92	16.45	17.27	18.97
G167.5	10.30	10.74	11.01	11.96	14.27	15.80	16.05
G170.0	10.22	10.62	10.52	10.85	11.84	12.81	15.18
G172.5	10.50	10.80	10.68	9.56	9.52	10.84	12.31
G175.0	10.75	10.94	10.75	9.18	7.59	7.62	7.16
G177.5	11.40	11.40	10.84	9.61	7.00	5.53	2.77
G180.0	8.64	8.64	8.64	8.64	8.64	8.64	8.64

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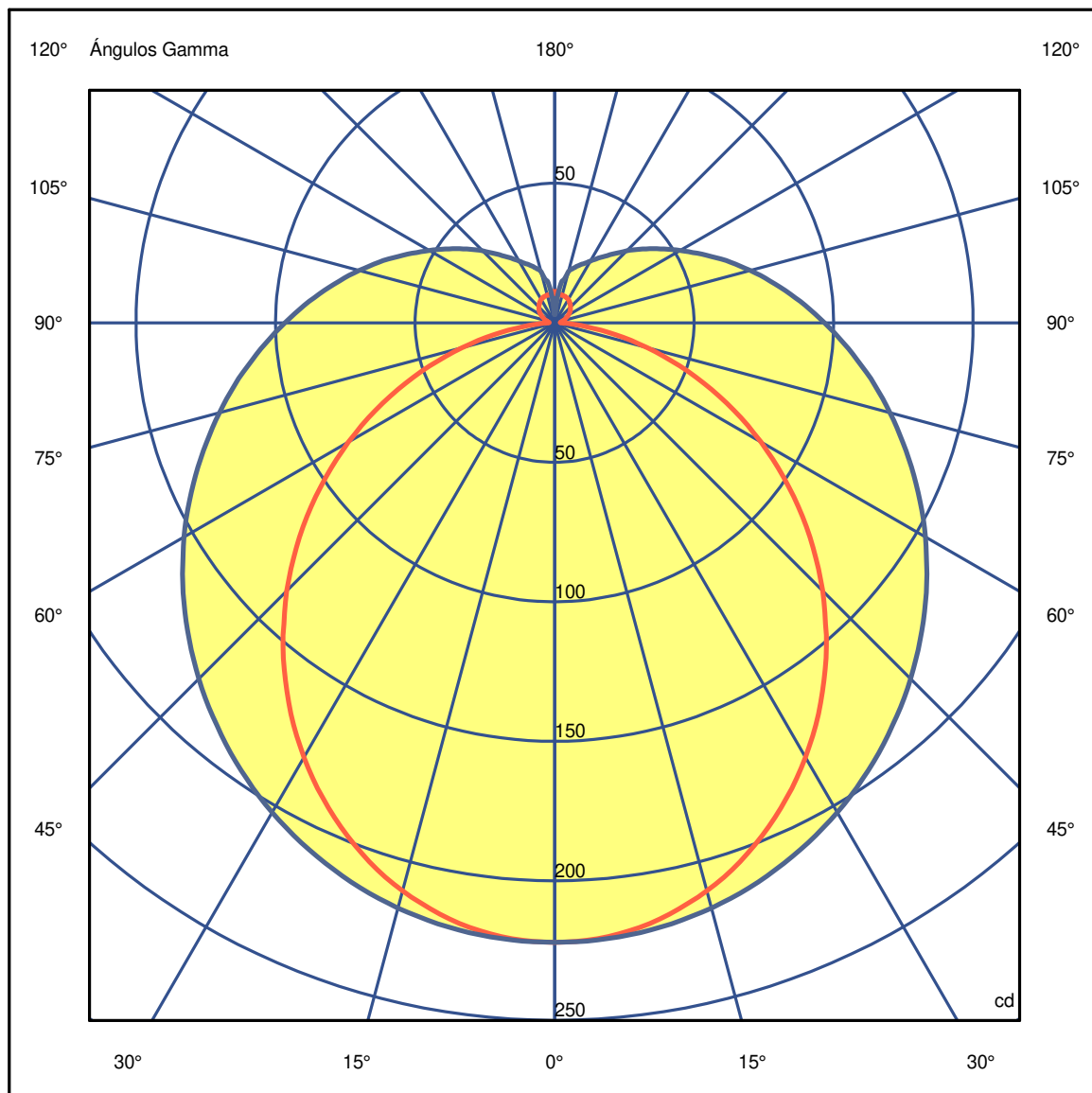
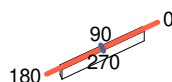
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Flujo de Lámpara	1003.54 lm	Valor Máximo	221.97 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

34mm x 610mm

Semiplanos C

180.0 ————— 0.0

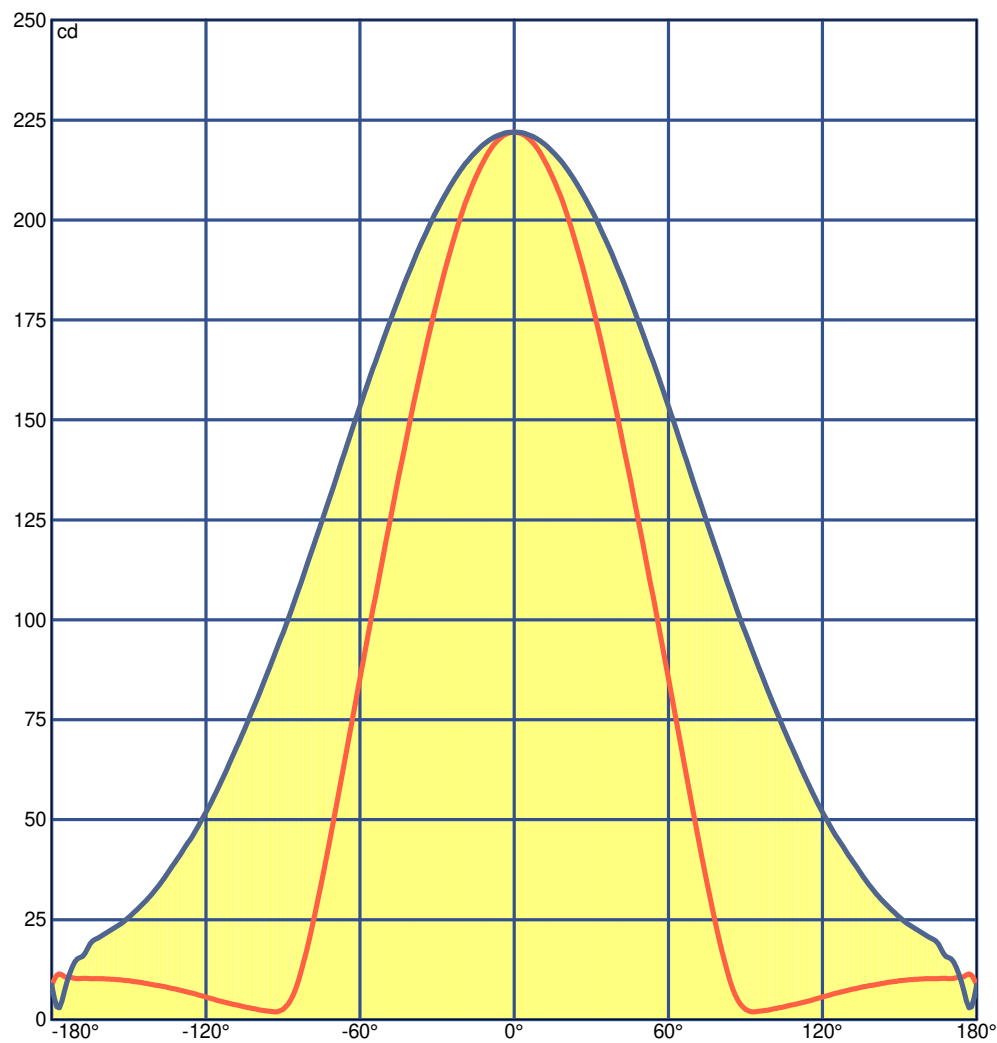
270.0 ————— 90.0



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**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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	16.8	17.9	17.3	18.5	19.2	17.6	18.8	18.2	19.4	20.0
x=2H y=3H	18.2	19.3	18.8	19.8	20.5	19.8	20.8	20.4	21.4	22.1
x=2H y=4H	18.7	19.7	19.3	20.4	21.1	20.8	21.9	21.4	22.5	23.2
x=2H y=6H	19.1	20.0	19.7	20.7	21.4	21.9	22.8	22.5	23.5	24.2
x=2H y=8H	19.2	20.1	19.8	20.8	21.5	22.4	23.3	23.0	24.0	24.7
x=2H y=12H	19.2	20.1	19.9	20.8	21.5	22.9	23.8	23.5	24.4	25.2
x=4H y=2H	17.6	18.6	18.2	19.2	19.9	18.3	19.3	18.9	19.9	20.6
x=4H y=3H	19.2	20.1	19.9	20.8	21.5	20.6	21.5	21.3	22.1	22.9
x=4H y=4H	19.9	20.7	20.6	21.4	22.2	21.8	22.6	22.5	23.3	24.1
x=4H y=6H	20.4	21.1	21.1	21.8	22.6	23.1	23.8	23.8	24.5	25.3
x=4H y=8H	20.6	21.2	21.3	22.0	22.8	23.7	24.3	24.4	25.1	25.9
x=4H y=12H	20.7	21.3	21.4	22.0	22.9	24.3	24.9	25.0	25.6	26.4
x=8H y=4H	20.6	21.2	21.3	22.0	22.8	22.2	22.8	22.9	23.5	24.4
x=8H y=6H	21.4	21.9	22.1	22.6	23.5	23.7	24.2	24.4	24.9	25.8
x=8H y=8H	21.7	22.2	22.4	22.9	23.8	24.4	24.9	25.2	25.7	26.5
x=8H y=12H	21.9	22.3	22.7	23.1	24.0	25.2	25.6	26.0	26.4	27.3
x=12H y=4H	20.7	21.3	21.5	22.1	22.9	22.2	22.8	22.9	23.5	24.4
x=12H y=6H	21.7	22.1	22.4	22.9	23.8	23.8	24.2	24.5	25.0	25.9
x=12H y=8H	22.1	22.5	22.8	23.3	24.1	24.6	25.0	25.4	25.8	26.7

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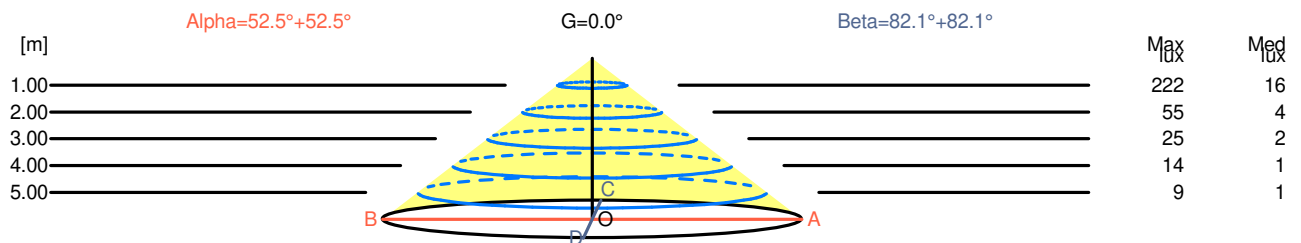
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Flujo de Lámpara	1003.54 lm	Valor Máximo	221.97 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	1.30	2.61	3.91	5.21	6.52	OC	7.21	14.42	21.62	28.83	36.04
OB	1.30	2.61	3.91	5.21	6.52	OD	7.21	14.42	21.62	28.83	36.04

	Intensidades Luminosas [ cd]									
	0	5	15	25	35	45	55	65	75	85
OA	221.97	220.75	210.70	191.80	166.22	135.81	102.47	68.03	34.36	7.81
OB	221.97	220.75	210.70	191.80	166.22	135.81	102.47	68.03	34.36	7.81
OC	221.97	221.46	217.07	208.30	195.80	180.37	162.76	143.74	124.43	105.67
OD	221.97	221.46	217.07	208.30	195.80	180.37	162.76	143.74	124.43	105.67



H[m]	D[m]	Max lux	Med lux	Alpha=52.5°+52.5°	G=0.0	
1.00	2.61	222	16			
2.00	5.21	55	4			
3.00	7.82	25	2			
4.00	10.42	14	1			
5.00	13.03	9	1			

H[m]	D[m]	Max lux	Med lux	Beta=82.1°+82.1°	G=0.0	
1.00	14.42	222	16			
2.00	28.83	55	4			
3.00	43.25	25	2			
4.00	57.66	14	1			
5.00	72.08	9	1			

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Flujo Total=1003.54 Flujo Luminaria=1003.54

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	0.25	0.32	0.38	0.45	0.50	0.58	0.64	0.69	0.74	0.78	0.87	0.93
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

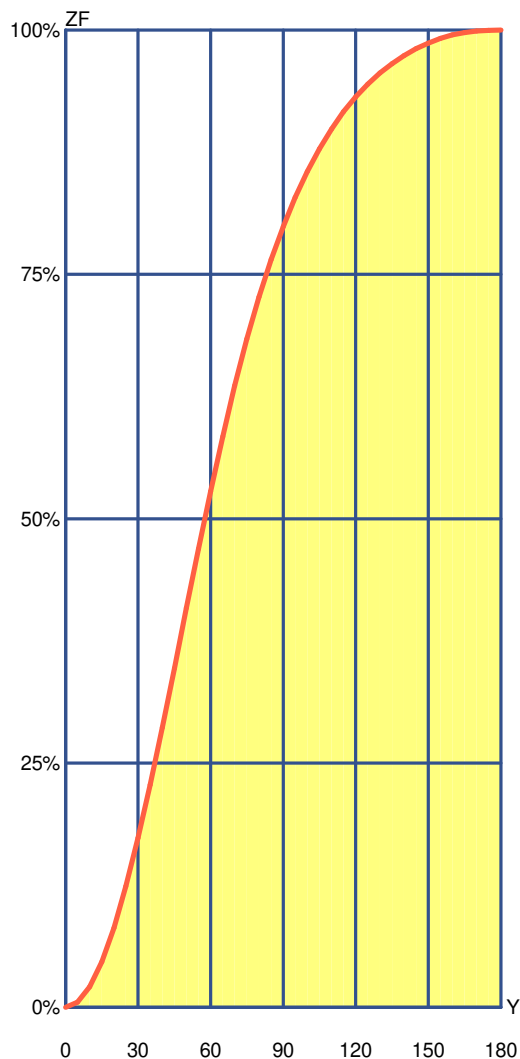
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	81	173	286	408	528	636	727	799	855	899	932	956	974	987	995	999	1000

Códigos de Flujo C.I.E.

38 66 86 80 100

C.I.E. 7  
D DIN 5040 B21  
F UTE 0.80 H + 0.20 T  
B NBN BZ 6  
RN 20.11468 %  
BLF 1.0

LOR 100.00000 %  
ULOR 20.11468 %  
DLOR 79.88532 %  
UFF 20.11468 %  
DFF 79.88532 %  
FFR 25.17944 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.28	5.28	0.53 %	0.53 %
10°	15.66	20.94	1.57 %	2.09 %
15°	25.55	46.49	2.56 %	4.65 %
20°	34.63	81.12	3.46 %	8.11 %
25°	42.63	123.75	4.26 %	12.38 %
30°	49.35	173.10	4.93 %	17.31 %
35°	54.65	227.75	5.46 %	22.78 %
40°	58.44	286.19	5.84 %	28.62 %
45°	60.68	346.87	6.07 %	34.69 %
50°	61.46	408.33	6.15 %	40.83 %
55°	60.82	469.15	6.08 %	46.92 %
60°	58.93	528.09	5.89 %	52.81 %
65°	55.97	584.06	5.60 %	58.41 %
70°	52.14	636.19	5.21 %	63.62 %
75°	47.68	683.87	4.77 %	68.39 %
80°	42.94	726.81	4.29 %	72.68 %
85°	38.21	765.02	3.82 %	76.50 %
90°	33.84	798.85	3.38 %	79.89 %
95°	29.98	828.83	3.00 %	82.88 %
100°	26.50	855.33	2.65 %	85.53 %
105°	23.29	878.62	2.33 %	87.86 %
110°	20.31	898.94	2.03 %	89.89 %
115°	17.59	916.53	1.76 %	91.65 %
120°	15.16	931.69	1.52 %	93.17 %
125°	13.09	944.78	1.31 %	94.48 %
130°	11.28	956.06	1.13 %	95.61 %
135°	9.66	965.72	0.97 %	96.57 %
140°	8.22	973.94	0.82 %	97.39 %
145°	6.94	980.89	0.69 %	98.09 %
150°	5.80	986.69	0.58 %	98.67 %
155°	4.71	991.40	0.47 %	99.14 %
160°	3.60	995.00	0.36 %	99.50 %
165°	2.51	997.51	0.25 %	99.75 %
170°	1.53	999.04	0.15 %	99.90 %
175°	0.75	999.79	0.07 %	99.98 %
180°	0.21	1000.00	0.02 %	100.00 %

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Flujo de Lámpara	1003.54 lm	Valor Máximo	221.97 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

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

