

**Luminaria**

Código A704-017-15-30K

Nombre AMBROSIA A 90 LEFT MATT GOLD 30K

**Ensayo**

Código CL041A22F002GE2

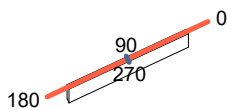
Nombre AMBROSIA A 90 LEFT MATT GOLD 30K

Flujo Luminaria	1524.97 lm	Potencia Luminaria	16.72 W	Eficacia	91.18 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	1524.97 lm	Valor Máximo	330.60 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Rectangular		Longit.	34 mm	Anchura	900 mm	Altura	34 mm
Área Luminosa Rectangular		Longit.	34 mm	Anchura	900 mm	Altura	34 mm
Área Luminosa Horizontal		0.030600 m2		Área Emisión sobre Pl. 180°		0.001156 m2	
Área Emisión sobre Pl. 0°		0.001156 m2		Área Emisión sobre Pl. 270°		0.030600 m2	
Área Emisión sobre Pl. 90°		0.030600 m2		Área de deslumbramiento a 76°		0.008524 m2	
Sist. de Coord.		CG		Tipo de Simetría		Bisimétrico	
Fecha		07-09-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		1524.97 lm	
Operador		Asselum T2		Tensión Nominal		230.11 V	
Temperatura		25.20 °C		Corriente Nominal		0.07 A	
Humedad		62.30 %		Fotocélula		Czibula Grundmann	
Notas							

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED 24	Flujo [lm]	Pot. [W]	Cant.	
C.I.E.	38 66 86 79 100		1524.97	16.72	1	
F UTE	0.79 H + 0.21 T					
		D DIN 5040	B21			
		B NBN	BZ 6			



34mm x 900mm



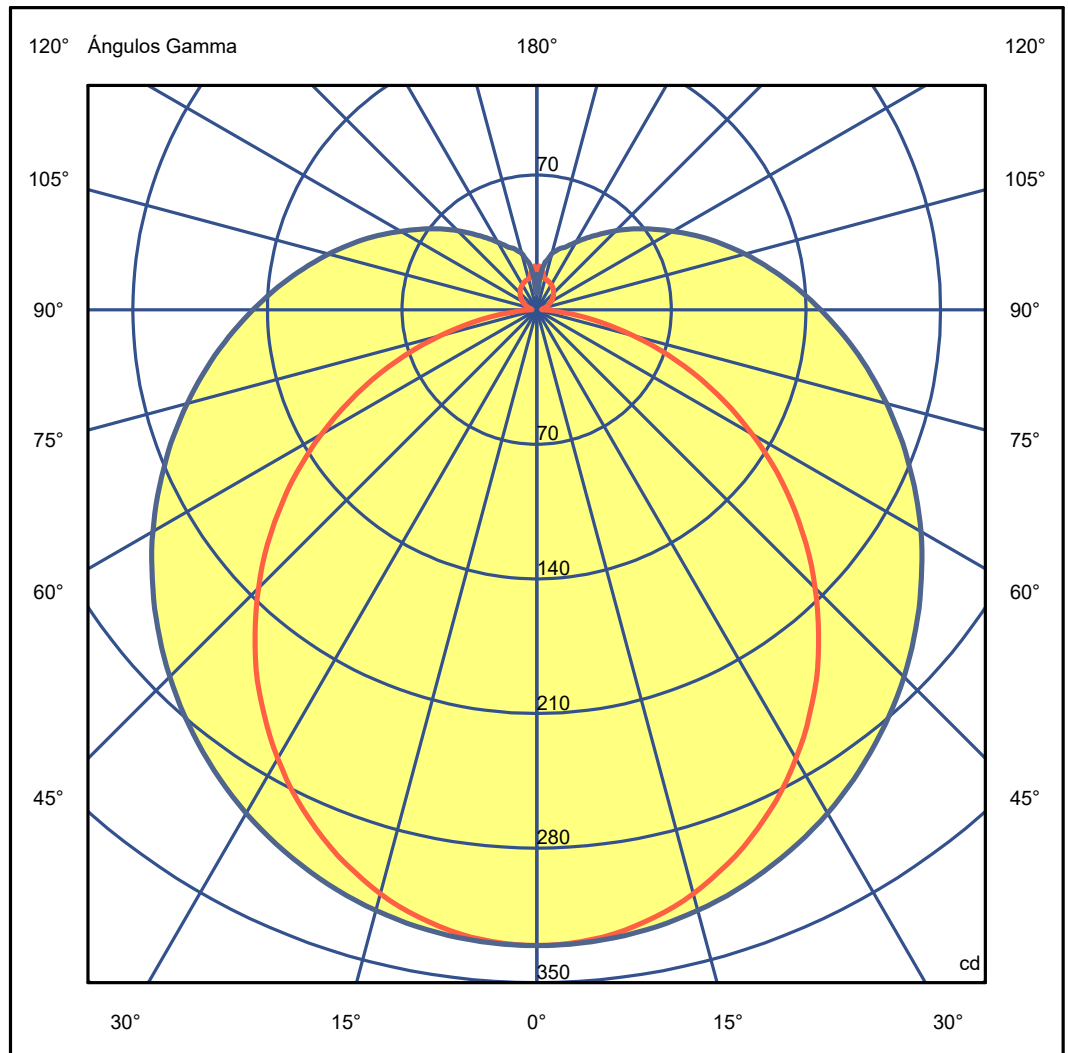
Semiplanos C

180.0 — 0.0  
270.0 — 90.0

ULOR 20.83 %

DLOR 79.17 %

RN 20.83 %



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Flujo Fuentes de luz	1524.97 lm	Valor Máximo	330.60 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	330.60	330.60	330.60	330.60	330.60	330.60	330.60
G 2.5	330.12	330.11	330.24	330.23	330.34	330.38	330.44
G 5.0	328.77	328.83	329.06	329.25	329.59	329.76	329.81
G 7.5	326.54	326.59	327.11	327.60	328.24	328.67	328.89
G 10.0	323.22	323.56	324.39	325.33	326.40	327.16	327.41
G 12.5	319.30	319.71	320.85	322.41	324.01	325.14	325.60
G 15.0	314.37	314.94	316.66	318.91	321.15	322.79	323.36
G 17.5	308.46	309.46	311.85	314.73	317.82	319.97	320.84
G 20.0	302.25	303.19	306.23	310.07	313.92	316.70	317.77
G 22.5	294.92	296.37	299.97	304.84	309.69	313.13	314.35
G 25.0	287.16	288.63	293.20	299.04	304.86	309.13	310.64
G 27.5	278.68	280.66	285.77	292.87	299.79	304.79	306.64
G 30.0	269.44	271.79	278.12	286.28	294.32	300.11	302.29
G 32.5	259.85	262.51	269.72	279.09	288.46	295.00	297.54
G 35.0	249.54	252.78	260.88	271.84	282.30	289.76	292.53
G 37.5	239.27	242.62	251.94	263.98	275.77	284.07	287.18
G 40.0	227.81	231.93	242.39	256.11	269.04	278.29	281.65
G 42.5	216.46	221.16	232.86	247.82	262.07	272.13	275.94
G 45.0	204.67	209.86	222.98	239.34	254.99	265.91	269.93
G 47.5	192.83	198.70	213.01	230.74	247.65	259.40	263.79
G 50.0	180.46	186.93	202.80	222.21	240.19	252.77	257.33
G 52.5	167.88	175.36	192.47	213.49	232.80	246.00	250.89
G 55.0	155.49	163.26	182.19	204.77	225.11	239.03	244.04
G 57.5	142.37	151.43	172.03	196.05	217.55	232.04	237.48
G 60.0	129.37	139.52	161.92	187.34	209.80	224.97	230.58
G 62.5	116.34	127.43	151.86	178.80	202.15	217.72	223.52
G 65.0	103.23	115.78	142.06	170.36	194.62	210.64	216.49
G 67.5	90.31	104.08	132.42	162.10	187.04	203.34	209.35
G 70.0	77.17	92.96	123.09	153.95	179.49	196.41	202.44
G 72.5	64.77	81.96	114.15	146.05	172.11	189.13	195.10
G 75.0	52.03	71.86	105.75	138.44	164.92	182.18	188.31
G 77.5	40.56	62.10	97.59	131.11	157.77	175.21	181.27
G 80.0	29.69	53.27	90.08	123.92	151.05	168.12	174.38
G 82.5	19.89	45.36	82.90	117.31	144.20	161.50	167.56
G 85.0	12.27	38.59	76.42	110.78	137.57	154.71	160.74
G 87.5	6.98	32.78	70.54	104.71	131.29	148.20	154.08
G 90.0	3.96	28.07	65.16	98.84	125.13	141.79	147.62
G 92.5	2.60	24.18	60.29	93.44	119.15	135.53	141.26
G 95.0	2.71	21.16	55.97	88.18	113.56	129.52	135.14
G 97.5	3.07	18.72	51.93	83.25	107.94	123.61	129.10
G100.0	3.51	16.74	48.46	78.66	102.75	117.99	123.27
G102.5	4.02	15.43	45.17	74.28	97.66	112.47	117.59
G105.0	4.56	14.58	42.31	70.19	92.81	107.11	112.18
G107.5	5.15	14.26	39.67	66.22	88.09	101.83	106.66
G110.0	5.81	14.19	37.23	62.52	83.47	96.65	101.52
G112.5	6.53	14.26	34.97	59.08	79.10	91.69	96.40
G115.0	7.20	14.51	33.02	55.92	74.70	86.72	91.28
G117.5	7.91	14.97	31.39	52.88	70.72	82.21	86.43
G120.0	8.56	15.59	30.16	50.06	67.01	77.82	81.69
G122.5	9.25	16.27	29.17	47.50	63.48	73.77	77.28
G125.0	9.87	17.04	28.46	45.18	60.01	69.96	73.15
G127.5	10.48	17.83	27.90	42.93	56.69	66.16	69.26
G130.0	11.13	18.66	27.40	40.93	53.53	62.61	65.46
G132.5	11.73	19.50	27.07	39.19	50.53	59.07	61.76
G135.0	12.33	20.29	26.85	37.60	47.79	55.71	58.14
G137.5	12.91	20.95	26.81	36.15	45.42	52.32	54.58
G140.0	13.46	21.30	26.89	34.87	43.21	49.27	51.44
G142.5	13.97	21.47	27.09	33.79	41.12	46.56	48.47
G145.0	14.36	21.45	27.31	32.72	39.15	43.93	45.69
G147.5	14.76	21.21	27.20	31.78	37.39	41.53	43.16
G150.0	15.10	21.09	26.96	30.92	35.58	39.32	40.57
G152.5	15.43	20.35	25.91	30.02	34.24	37.38	38.31
G155.0	15.73	19.64	24.16	29.22	33.04	35.35	36.25
G157.5	16.00	18.86	22.30	28.10	31.68	34.07	34.85
G160.0	16.27	18.20	20.57	26.42	30.05	32.60	33.63
G162.5	16.43	17.86	19.30	24.51	28.43	30.35	31.92
G165.0	16.59	18.12	18.67	22.56	26.18	28.26	30.44
G167.5	17.29	18.63	18.73	20.54	23.27	26.10	27.33
G170.0	18.90	19.82	19.40	19.68	20.73	22.64	25.13
G172.5	20.78	20.83	20.69	19.10	18.32	19.31	21.48
G175.0	21.89	21.84	21.45	18.93	16.44	15.35	14.90
G177.5	22.69	22.55	21.85	19.36	16.18	13.61	8.58
G180.0	18.28	18.28	18.28	18.28	18.28	18.28	18.28

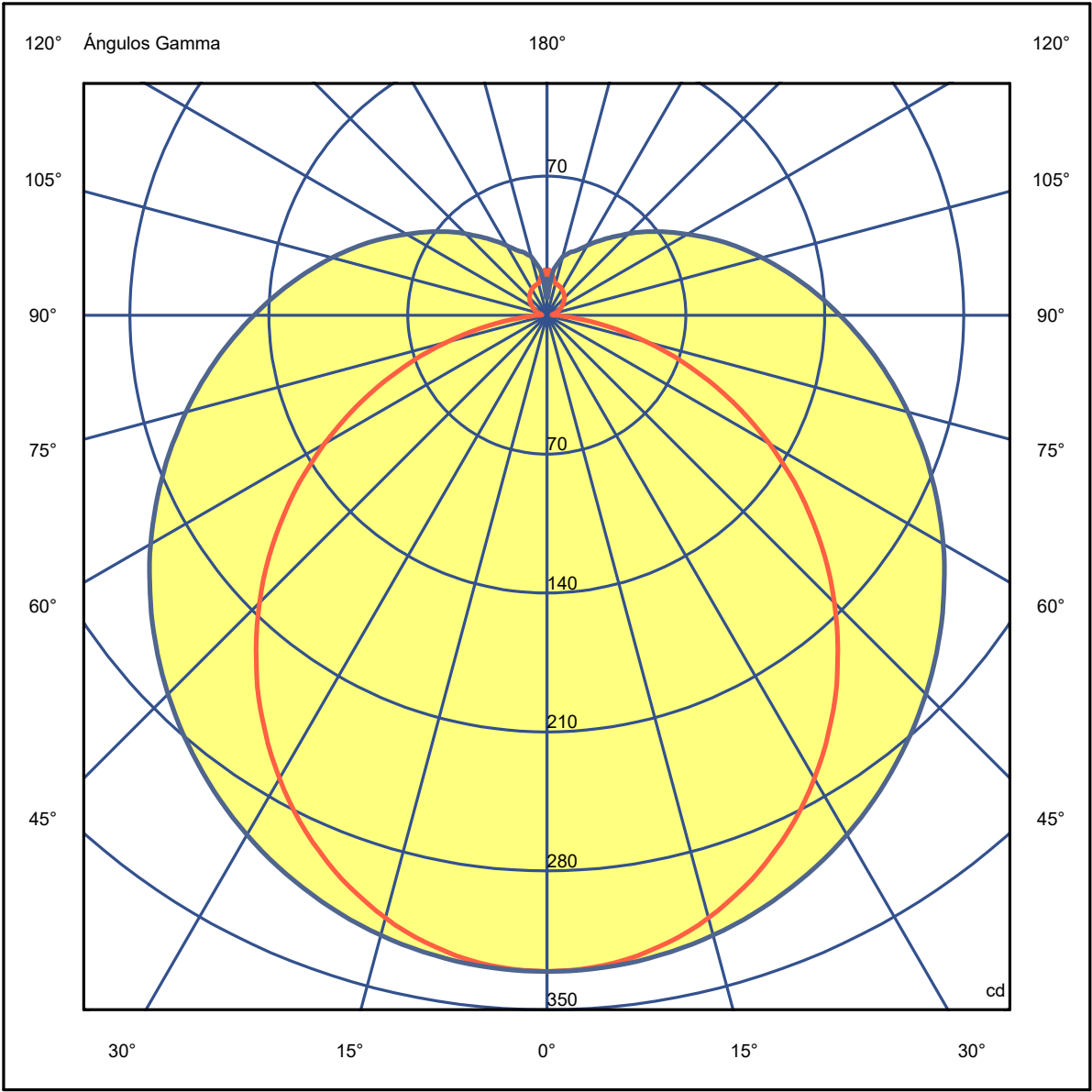
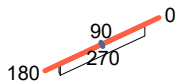
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34mm x 900mm

Semiplanos C

180.0 0.0  
270.0 90.0



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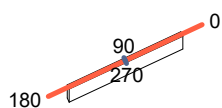
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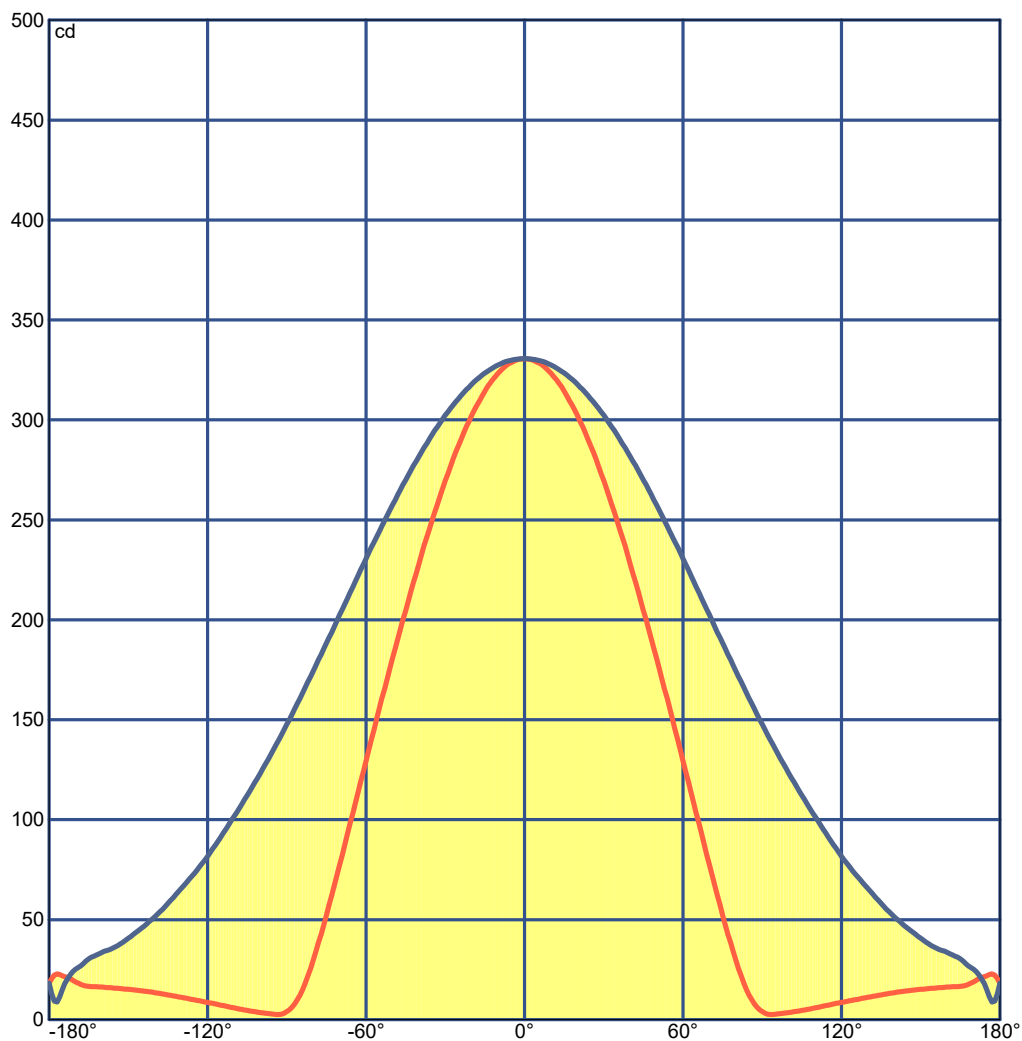
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34mm x 900mm



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180.0 ————— 0.0  
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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 Local										
	Vista Lateral					Vista Longitudinal				
x=2H y=2H	17.0	18.2	17.6	18.8	19.4	17.8	19.0	18.4	19.5	20.2
x=2H y=3H	18.4	19.5	19.0	20.1	20.8	19.8	20.9	20.5	21.5	22.2
x=2H y=4H	18.9	19.9	19.5	20.5	21.3	20.9	21.9	21.5	22.5	23.2
x=2H y=6H	19.3	20.2	19.9	20.9	21.6	21.9	22.8	22.5	23.5	24.2
x=2H y=8H	19.4	20.3	20.0	20.9	21.7	22.4	23.3	23.0	23.9	24.7
x=2H y=12H	19.4	20.3	20.1	21.0	21.7	22.8	23.7	23.5	24.4	25.1
x=4H y=2H	17.7	18.7	18.4	19.4	20.1	18.3	19.3	19.0	20.0	20.7
x=4H y=3H	19.3	20.2	20.0	20.9	21.6	20.6	21.5	21.3	22.2	22.9
x=4H y=4H	20.0	20.8	20.7	21.5	22.3	21.9	22.6	22.5	23.3	24.1
x=4H y=6H	20.5	21.2	21.2	21.9	22.8	23.1	23.8	23.8	24.5	25.3
x=4H y=8H	20.7	21.3	21.4	22.1	22.9	23.7	24.3	24.4	25.0	25.9
x=4H y=12H	20.8	21.4	21.5	22.1	23.0	24.2	24.8	25.0	25.6	26.4
x=8H y=4H	20.6	21.3	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	22.7	23.5	23.6	24.1	24.3	24.9	25.7
x=8H y=8H	21.7	22.2	22.4	22.9	23.8	24.4	24.8	25.1	25.6	26.5
x=8H y=12H	21.9	22.3	22.7	23.1	24.0	25.1	25.5	25.9	26.3	27.2
x=12H y=4H	21.9	22.5	22.6	23.2	24.0	22.4	23.0	23.1	23.7	24.6
x=12H y=6H	22.5	23.0	23.3	23.7	24.6	23.8	24.3	24.6	25.1	26.0
x=12H y=8H	22.8	23.2	23.6	24.0	24.9	24.6	25.1	25.4	25.8	26.8

# Luminaria

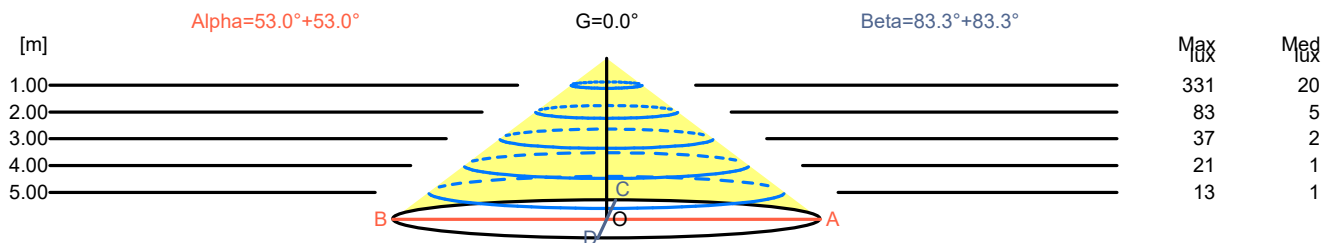
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Flujo Fuentes de luz	1524.97 lm	Valor Máximo	330.60 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

## 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	1.33	2.66	3.98	5.31	6.64	OC	8.55	17.09	25.64	34.18	42.73
OB	1.33	2.66	3.98	5.31	6.64	OD	8.55	17.09	25.64	34.18	42.73

	0	5	15	25	35	45	55	65	75	85
OA	330.60	328.77	314.37	287.16	249.54	204.67	155.49	103.23	52.03	12.27
OB	330.60	328.77	314.37	287.16	249.54	204.67	155.49	103.23	52.03	12.27
OC	330.60	329.81	323.36	310.64	292.53	269.93	244.04	216.49	188.31	160.74
OD	330.60	329.81	323.36	310.64	292.53	269.93	244.04	216.49	188.31	160.74



H[m]	D[m]	Max lux	Med lux	Alpha=53.0°+53.0°	G=0.0
1.00	2.66	331	20		
2.00	5.31	83	5		
3.00	7.97	37	2		
4.00	10.62	21	1		
5.00	13.28	13	1		

H[m]	D[m]	Max lux	Med lux	Beta=83.3°+83.3°	G=0.0
1.00	17.09	331	20		
2.00	34.18	83	5		
3.00	51.27	37	2		
4.00	68.37	21	1		
5.00	85.46	13	1		

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Flujo Total=1524.97 Flujo Luminaria=1524.97

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	0.24	0.32	0.38	0.45	0.50	0.58	0.64	0.68	0.74	0.78	0.87	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

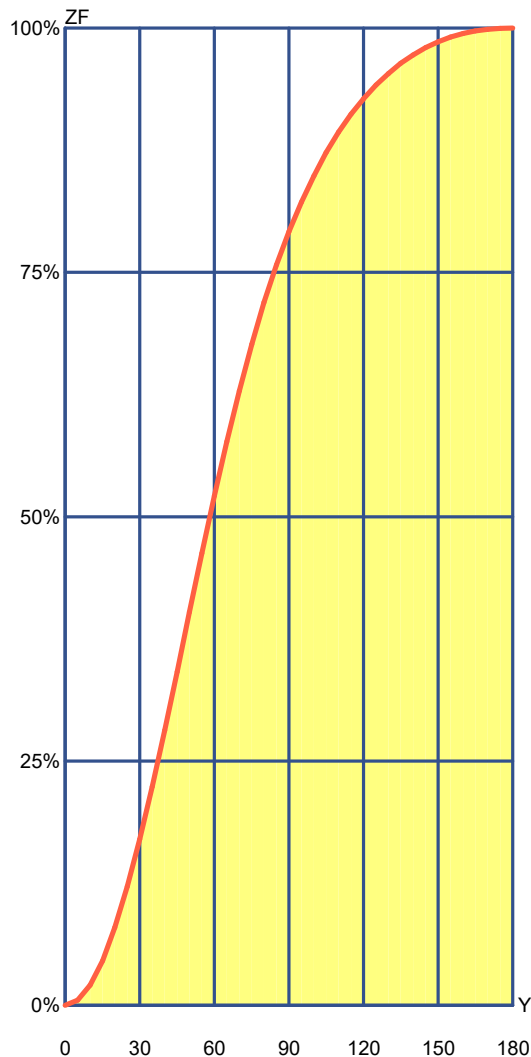
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	80	170	281	402	521	629	719	792	849	894	928	954	973	986	994	999	1000

Códigos de Flujo C.I.E.

38 66 86 79 100

C.I.E. 7  
D DIN 5040 B21  
F UTE 0.79 H + 0.21 T  
B NBN BZ 6  
RN 20.82552 %  
BLF 1.0

LOR 100.00000 %  
ULOR 20.82552 %  
DLOR 79.17448 %  
UFF 20.82552 %  
DFF 79.17448 %  
FFR 26.30332 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.17	5.17	0.52 %	0.52 %
10°	15.36	20.53	1.54 %	2.05 %
15°	25.06	45.59	2.51 %	4.56 %
20°	33.99	79.58	3.40 %	7.96 %
25°	41.88	121.46	4.19 %	12.15 %
30°	48.55	170.01	4.85 %	17.00 %
35°	53.83	223.83	5.38 %	22.38 %
40°	57.64	281.47	5.76 %	28.15 %
45°	59.95	341.42	5.99 %	34.14 %
50°	60.82	402.23	6.08 %	40.22 %
55°	60.30	462.53	6.03 %	46.25 %
60°	58.54	521.07	5.85 %	52.11 %
65°	55.68	576.75	5.57 %	57.67 %
70°	51.97	628.72	5.20 %	62.87 %
75°	47.64	676.35	4.76 %	67.64 %
80°	43.00	719.35	4.30 %	71.93 %
85°	38.35	757.70	3.84 %	75.77 %
90°	34.05	791.74	3.40 %	79.17 %
95°	30.24	821.99	3.02 %	82.20 %
100°	26.85	848.84	2.69 %	84.88 %
105°	23.76	872.60	2.38 %	87.26 %
110°	20.93	893.53	2.09 %	89.35 %
115°	18.31	911.84	1.83 %	91.18 %
120°	15.93	927.77	1.59 %	92.78 %
125°	13.83	941.60	1.38 %	94.16 %
130°	11.96	953.56	1.20 %	95.36 %
135°	10.26	963.83	1.03 %	96.38 %
140°	8.73	972.56	0.87 %	97.26 %
145°	7.34	979.90	0.73 %	97.99 %
150°	6.06	985.96	0.61 %	98.60 %
155°	4.84	990.79	0.48 %	99.08 %
160°	3.68	994.47	0.37 %	99.45 %
165°	2.61	997.09	0.26 %	99.71 %
170°	1.69	998.78	0.17 %	99.88 %
175°	0.93	999.71	0.09 %	99.97 %
180°	0.29	1000.00	0.03 %	100.00 %

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Isolux (Suelo)

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

