

Luminaria

Código A704-017-15-22K

Nombre AMBROSIA A 90 LEFT MATT GOLD 22K

Ensayo

Código CL041A22F002G

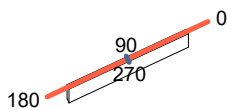
Nombre AMBROSIA A 90 LEFT MATT GOLD 22K

Flujo Luminaria	1491.73 lm	Potencia Luminaria	16.72 W	Eficacia	89.20 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	1491.73 lm	Valor Máximo	323.40 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 Coordn.		CG		Tipo de Simetría		Bisimétrico	
Fecha		07-09-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		1491.73 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		RM22070608; RM22070607; RM22070605					

Fuentes de luz de la Luminaria					
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
		LED 24	1491.73	16.72	1
C.I.E.	38 66 86 79 100				
F UTE	0.79 H + 0.21 T				
		D DIN 5040 B NBN	B21 BZ 6		



34mm x 900mm



Semiplanos C

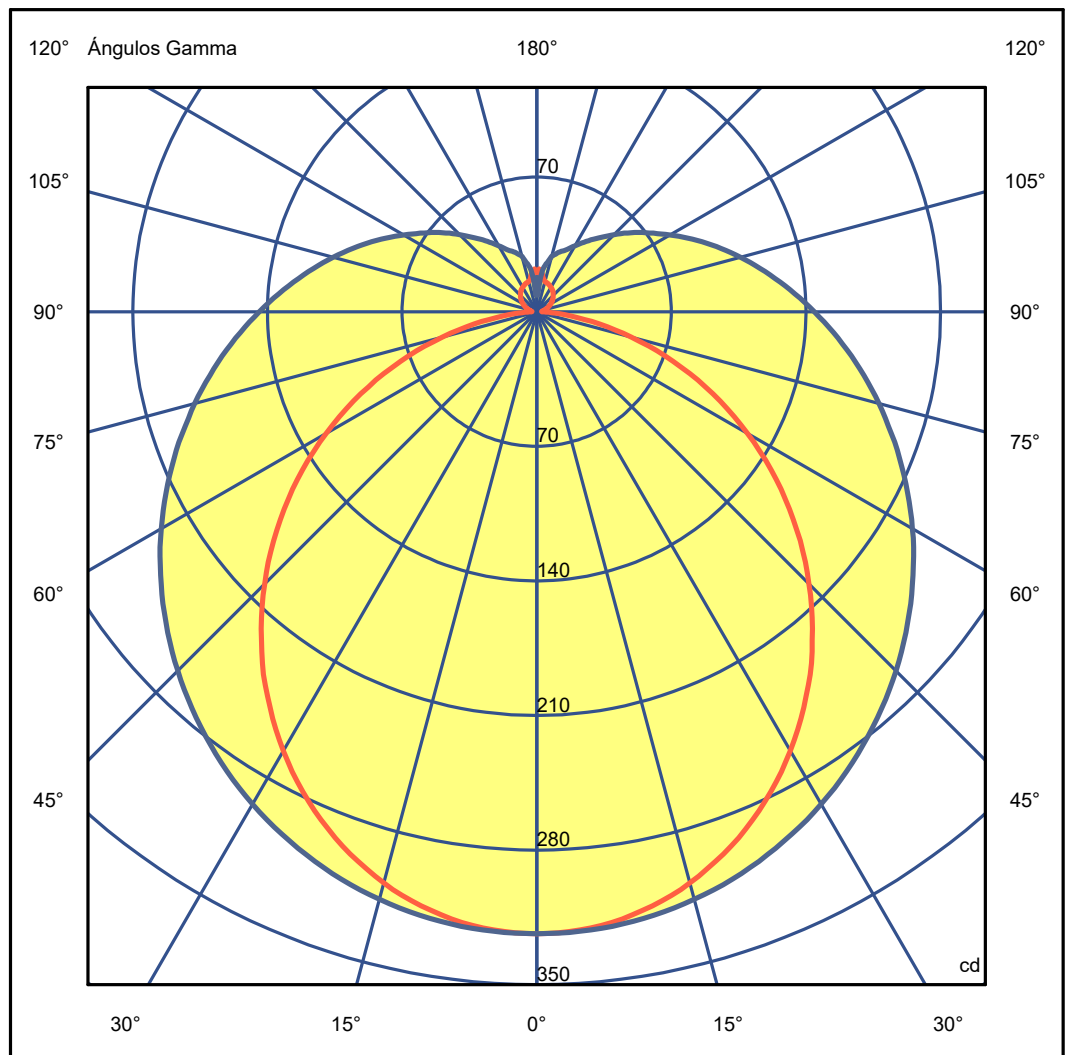
180.0 — 0.0

270.0 — 90.0

ULOR 20.83 %

DLOR 79.17 %

RN 20.83 %



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Flujo Fuentes de luz	1491.73 lm	Valor Máximo	323.40 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	323.40	323.40	323.40	323.40	323.40	323.40	323.40
G 2.5	322.93	322.91	323.04	323.03	323.14	323.18	323.24
G 5.0	321.60	321.66	321.89	322.07	322.40	322.57	322.62
G 7.5	319.42	319.47	319.98	320.45	321.08	321.50	321.72
G 10.0	316.17	316.50	317.32	318.23	319.28	320.03	320.27
G 12.5	312.34	312.74	313.85	315.38	316.95	318.05	318.51
G 15.0	307.51	308.07	309.76	311.96	314.15	315.75	316.31
G 17.5	301.74	302.72	305.05	307.87	310.89	313.00	313.84
G 20.0	295.66	296.58	299.55	303.31	307.08	309.79	310.85
G 22.5	288.49	289.91	293.43	298.20	302.94	306.30	307.50
G 25.0	280.90	282.34	286.81	292.52	298.21	302.39	303.87
G 27.5	272.60	274.54	279.54	286.49	293.25	298.14	299.95
G 30.0	263.56	265.87	272.06	280.04	287.91	293.56	295.70
G 32.5	254.19	256.79	263.84	273.00	282.17	288.57	291.05
G 35.0	244.10	247.27	255.20	265.91	276.15	283.44	286.15
G 37.5	234.06	237.33	246.45	258.23	269.75	277.87	280.92
G 40.0	222.84	226.87	237.10	250.52	263.17	272.22	275.51
G 42.5	211.74	216.33	227.78	242.41	256.35	266.20	269.93
G 45.0	200.21	205.29	218.12	234.12	249.43	260.11	264.05
G 47.5	188.62	194.37	208.37	225.71	242.26	253.74	258.04
G 50.0	176.53	182.85	198.38	217.37	234.95	247.26	251.72
G 52.5	164.22	171.54	188.28	208.83	227.73	240.64	245.42
G 55.0	152.10	159.71	178.21	200.31	220.20	233.82	238.72
G 57.5	139.27	148.13	168.28	191.78	212.80	226.99	232.30
G 60.0	126.55	136.48	158.39	183.26	205.23	220.07	225.55
G 62.5	113.80	124.66	148.55	174.90	197.75	212.98	218.65
G 65.0	100.98	113.26	138.96	166.64	190.38	206.04	211.77
G 67.5	88.35	101.81	129.53	158.57	182.96	198.90	204.78
G 70.0	75.49	90.94	120.41	150.59	175.58	192.13	198.03
G 72.5	63.36	80.18	111.66	142.87	168.36	185.01	190.85
G 75.0	50.89	70.29	103.44	135.42	161.32	178.20	184.20
G 77.5	39.68	60.75	95.46	128.25	154.33	171.39	177.32
G 80.0	29.05	52.11	88.12	121.22	147.75	164.45	170.58
G 82.5	19.46	44.37	81.09	114.75	141.05	157.98	163.91
G 85.0	12.00	37.75	74.76	108.37	134.57	151.33	157.24
G 87.5	6.83	32.06	69.00	102.42	128.43	144.97	150.72
G 90.0	3.87	27.45	63.74	96.69	122.40	138.70	144.41
G 92.5	2.54	23.65	58.98	91.40	116.56	132.57	138.18
G 95.0	2.65	20.70	54.75	86.25	111.08	126.69	132.19
G 97.5	3.00	18.31	50.80	81.43	105.58	120.91	126.29
G100.0	3.44	16.38	47.40	76.94	100.51	115.42	120.58
G102.5	3.93	15.10	44.19	72.66	95.53	110.02	115.03
G105.0	4.47	14.26	41.39	68.66	90.79	104.77	109.73
G107.5	5.03	13.95	38.81	64.77	86.17	99.61	104.34
G110.0	5.68	13.88	36.42	61.16	81.65	94.54	99.30
G112.5	6.38	13.95	34.21	57.79	77.37	89.69	94.30
G115.0	7.05	14.20	32.30	54.70	73.07	84.83	89.29
G117.5	7.74	14.64	30.71	51.73	69.17	80.42	84.55
G120.0	8.38	15.25	29.50	48.97	65.55	76.12	79.91
G122.5	9.05	15.92	28.53	46.47	62.10	72.16	75.59
G125.0	9.66	16.67	27.84	44.20	58.70	68.43	71.55
G127.5	10.25	17.44	27.30	42.00	55.46	64.71	67.75
G130.0	10.89	18.25	26.81	40.04	52.36	61.25	64.04
G132.5	11.48	19.08	26.48	38.33	49.43	57.78	60.42
G135.0	12.06	19.85	26.27	36.78	46.75	54.50	56.87
G137.5	12.63	20.49	26.22	35.36	44.43	51.18	53.39
G140.0	13.17	20.84	26.31	34.11	42.26	48.19	50.32
G142.5	13.67	21.00	26.50	33.05	40.23	45.55	47.41
G145.0	14.05	20.98	26.72	32.01	38.30	42.97	44.69
G147.5	14.44	20.74	26.60	31.08	36.57	40.63	42.22
G150.0	14.77	20.63	26.37	30.25	34.80	38.46	39.68
G152.5	15.09	19.91	25.35	29.37	33.50	36.57	37.47
G155.0	15.39	19.21	23.63	28.58	32.32	34.58	35.46
G157.5	15.65	18.44	21.81	27.49	30.99	33.33	34.09
G160.0	15.91	17.80	20.12	25.85	29.40	31.89	32.90
G162.5	16.07	17.47	18.88	23.98	27.81	29.69	31.22
G165.0	16.23	17.73	18.26	22.07	25.61	27.64	29.77
G167.5	16.92	18.22	18.32	20.09	22.76	25.53	26.73
G170.0	18.49	19.39	18.98	19.25	20.28	22.15	24.58
G172.5	20.33	20.37	20.24	18.69	17.92	18.89	21.02
G175.0	21.41	21.36	20.98	18.52	16.09	15.02	14.58
G177.5	22.20	22.06	21.37	18.94	15.83	13.31	8.40
G180.0	17.88	17.88	17.88	17.88	17.88	17.88	17.88

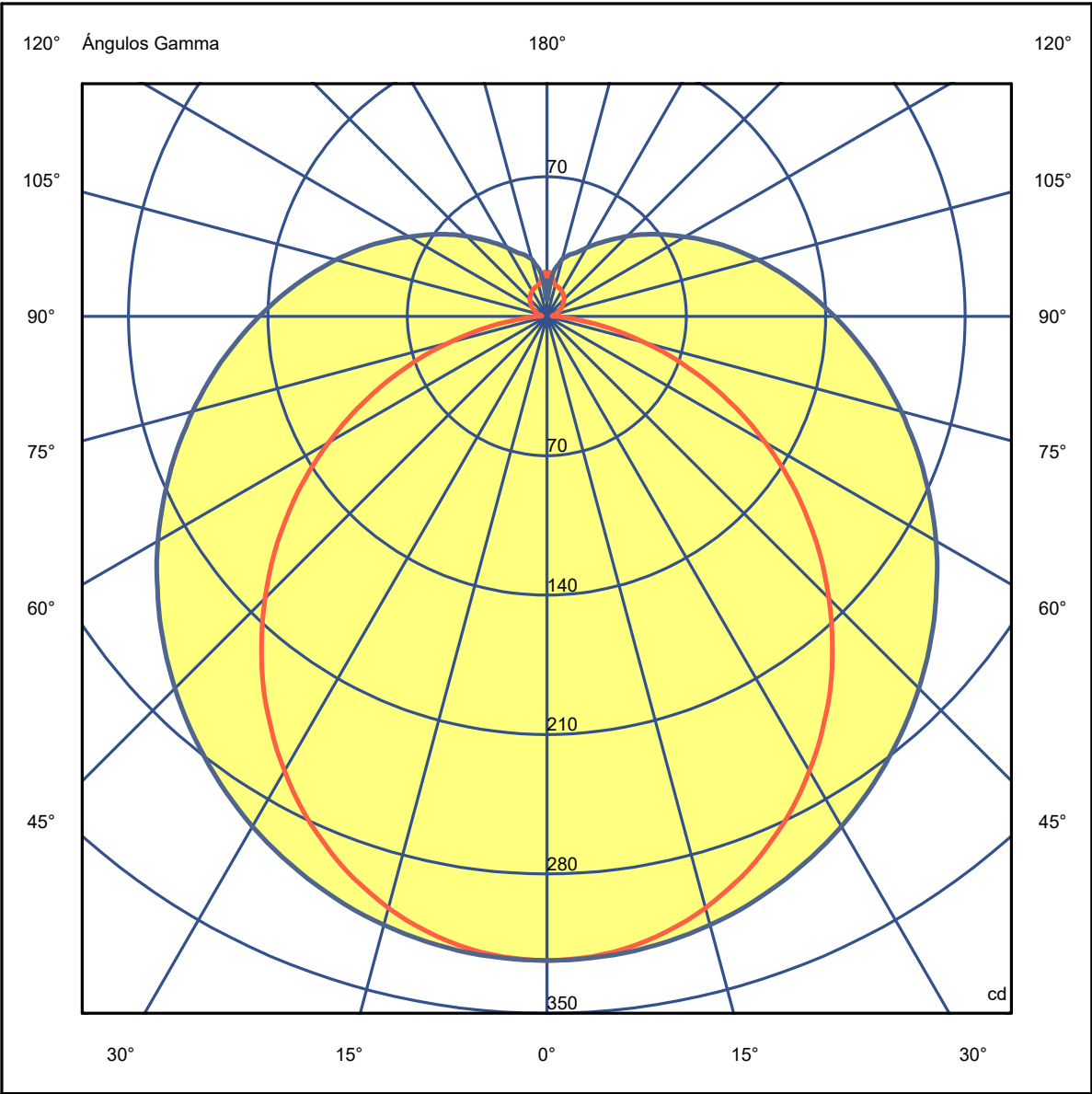
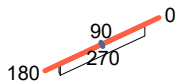
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34mm x 900mm

Semiplanos C

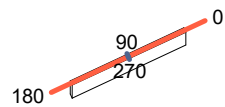
180.0 0.0
270.0 90.0



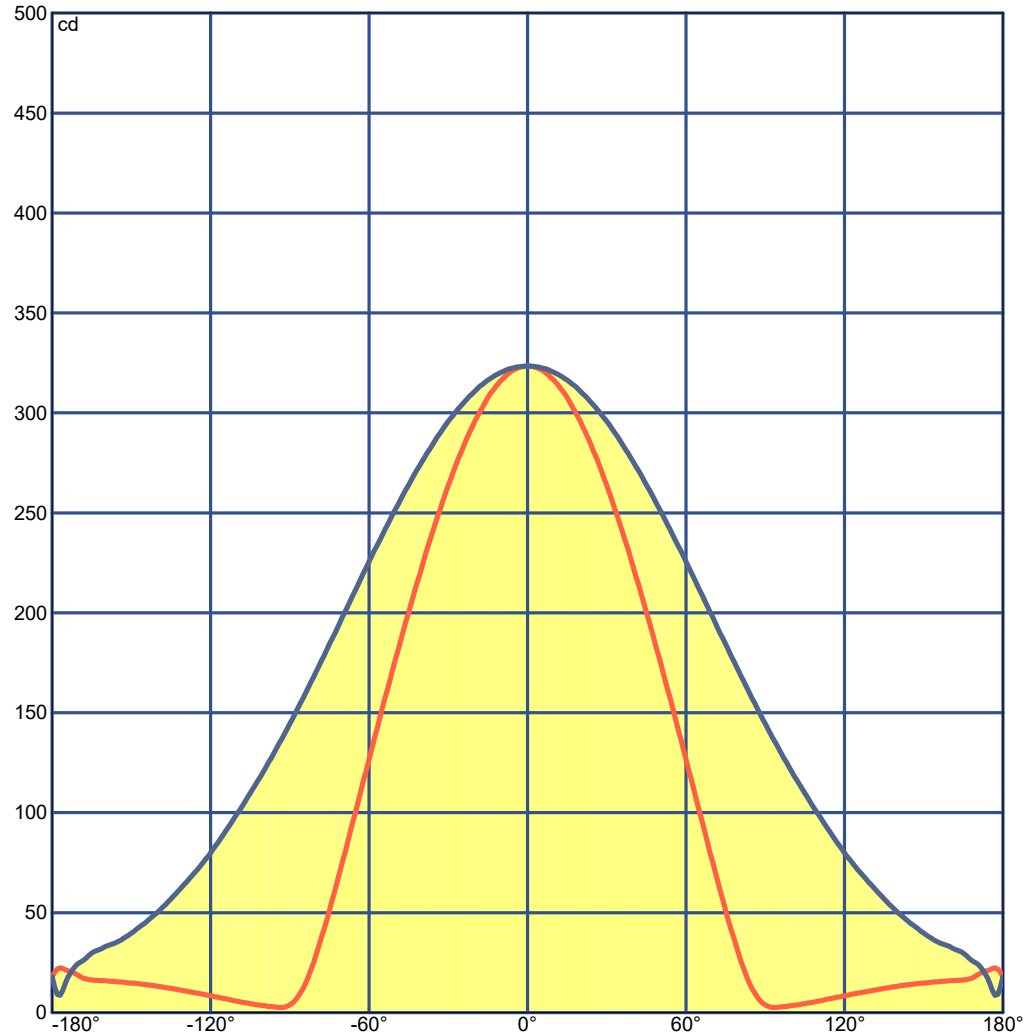
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180.0 0.0
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Flujo Fuentes de luz	1491.73 lm	Valor Máximo	323.40 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	16.9	18.1	17.5	18.7	19.4	17.7	18.9	18.3	19.4	20.1
x=2H y=3H	18.3	19.4	18.9	20.0	20.7	19.8	20.8	20.4	21.4	22.1
x=2H y=4H	18.8	19.9	19.5	20.5	21.2	20.8	21.8	21.4	22.4	23.1
x=2H y=6H	19.2	20.2	19.9	20.8	21.5	21.8	22.8	22.5	23.4	24.1
x=2H y=8H	19.3	20.2	20.0	20.9	21.6	22.3	23.2	23.0	23.9	24.6
x=2H y=12H	19.4	20.2	20.0	20.9	21.7	22.8	23.7	23.4	24.3	25.1
x=4H y=2H	17.7	18.7	18.3	19.3	20.0	18.2	19.3	18.9	19.9	20.6
x=4H y=3H	19.3	20.1	19.9	20.8	21.6	20.6	21.4	21.2	22.1	22.9
x=4H y=4H	20.0	20.7	20.6	21.4	22.2	21.8	22.6	22.5	23.2	24.0
x=4H y=6H	20.5	21.2	21.2	21.9	22.7	23.0	23.7	23.7	24.4	25.2
x=4H y=8H	20.6	21.3	21.3	22.0	22.8	23.6	24.2	24.3	24.9	25.8
x=4H y=12H	20.7	21.3	21.5	22.1	22.9	24.2	24.7	24.9	25.5	26.3
x=8H y=4H	20.5	21.2	21.3	21.9	22.7	22.1	22.7	22.8	23.4	24.3
x=8H y=6H	21.3	21.8	22.1	22.6	23.5	23.5	24.1	24.3	24.8	25.7
x=8H y=8H	21.6	22.1	22.4	22.8	23.7	24.3	24.8	25.0	25.5	26.4
x=8H y=12H	21.8	22.3	22.6	23.0	23.9	25.0	25.5	25.8	26.2	27.1
x=12H y=4H	21.8	22.4	22.5	23.1	24.0	22.3	22.9	23.1	23.7	24.5
x=12H y=6H	22.4	22.9	23.2	23.7	24.6	23.8	24.3	24.5	25.0	25.9
x=12H y=8H	22.8	23.2	23.5	23.9	24.9	24.6	25.0	25.3	25.8	26.7

Luminaria

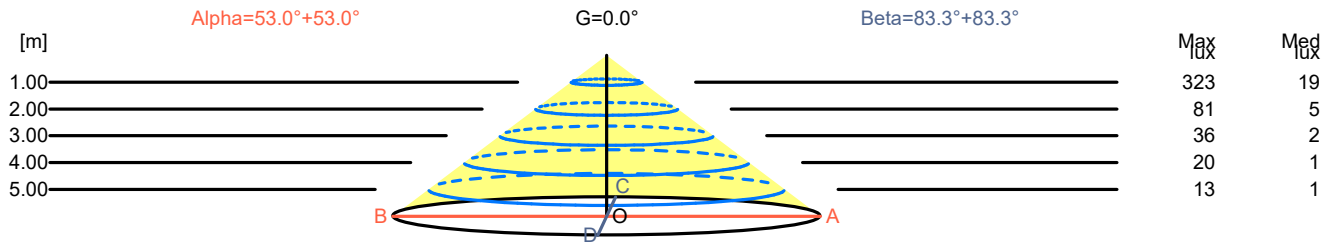
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Flujo Fuentes de luz	1491.73 lm	Valor Máximo	323.40 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	323.40	321.60	307.51	280.90	244.10	200.21	152.10	100.98	50.89	12.00
OB	323.40	321.60	307.51	280.90	244.10	200.21	152.10	100.98	50.89	12.00
OC	323.40	322.62	316.31	303.87	286.15	264.05	238.72	211.77	184.20	157.24
OD	323.40	322.62	316.31	303.87	286.15	264.05	238.72	211.77	184.20	157.24



H[m]	D[m]	Max lux	Med lux	Alpha=53.0°+53.0°	G=0.0
1.00	2.66	323	19		
2.00	5.31	81	5		
3.00	7.97	36	2		
4.00	10.62	20	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	323	19		
2.00	34.18	81	5		
3.00	51.27	36	2		
4.00	68.37	20	1		
5.00	85.46	13	1		

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Flujo Total=1491.73 Flujo Luminaria=1491.73

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

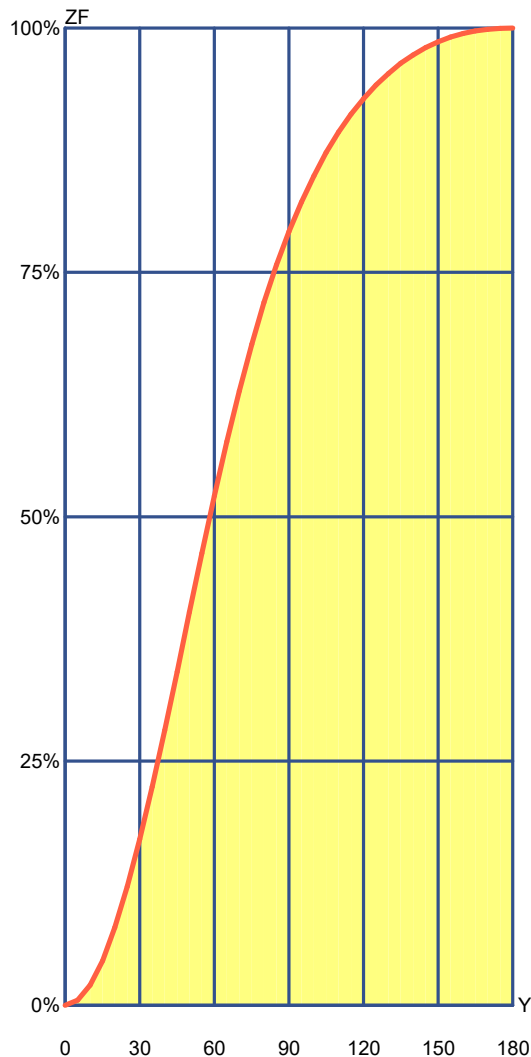
Flujo Zonal por 1000 Lúmenes

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

