

Luminaria

Código A704-017-15-27K

Nombre AMBROSIA A 90 LEFT MATT GOLD 27K

Ensayo

Código CL041A22F002GE1

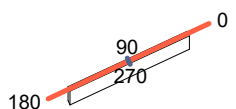
Nombre AMBROSIA A 90 LEFT MATT GOLD 27K

Flujo Luminaria	1497.06 lm	Potencia Luminaria	16.72 W	Eficacia	89.52 lm/W	Eficiencia	100.00%	
Flujo Fuentes de luz	1497.06 lm	Valor Máximo	324.55 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico	
Luminaria Rectangular	Longit.	34 mm	Longit.	34 mm	Anchura	900 mm	Altura	34 mm
Área Luminosa Rectangular					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 Coordin.	CG			Tipo de Simetría		Bisimétrico		
Fecha	07-09-2022			Máximo Ángulo Gamma		180		
Distancia de Ensayo	6.44			Flujo de Ensayo		1497.06 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		1497.06	16.72	1	
F UTE	0.79 H + 0.21 T					
		D DIN 5040 B NBN	B21 BZ 6			



34mm x 900mm



Semiplanos C

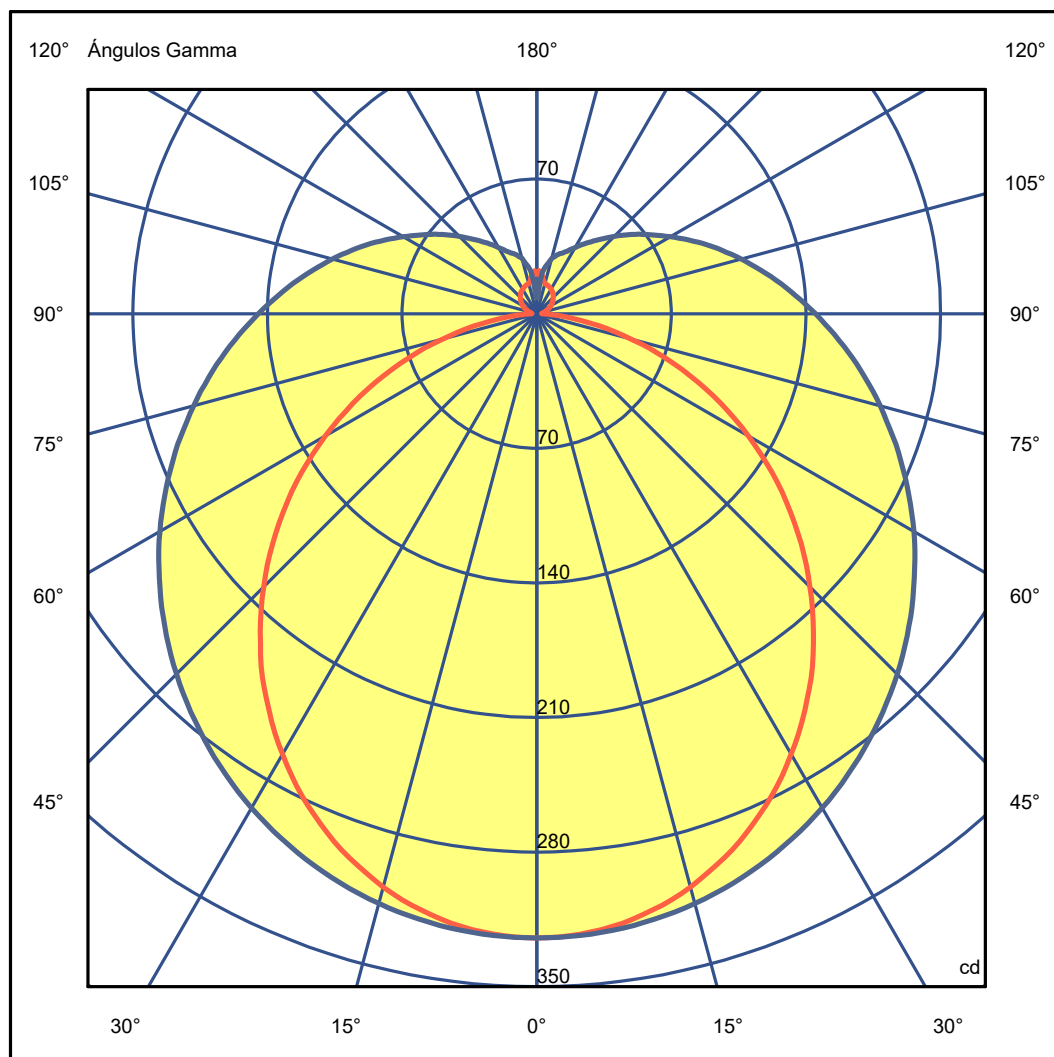
180.0 — 0.0

270.0 — 90.0

ULOR 20.83 %

DLOR 79.17 %

RN 20.83 %



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Flujo Fuentes de luz	1497.06 lm	Valor Máximo	324.55 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	324.55	324.55	324.55	324.55	324.55	324.55	324.55
G 2.5	324.08	324.06	324.19	324.19	324.29	324.33	324.39
G 5.0	322.75	322.81	323.04	323.22	323.56	323.72	323.77
G 7.5	320.57	320.61	321.12	321.60	322.23	322.65	322.87
G 10.0	317.30	317.64	318.45	319.37	320.42	321.17	321.41
G 12.5	313.46	313.86	314.97	316.50	318.08	319.18	319.64
G 15.0	308.61	309.17	310.87	313.07	315.27	316.88	317.44
G 17.5	302.82	303.80	306.14	308.97	312.00	314.11	314.96
G 20.0	296.72	297.64	300.62	304.39	308.17	310.90	311.96
G 22.5	289.52	290.95	294.48	299.26	304.02	307.39	308.60
G 25.0	281.91	283.35	287.83	293.56	299.28	303.47	304.96
G 27.5	273.58	275.52	280.54	287.51	294.30	299.21	301.02
G 30.0	264.50	266.82	273.03	281.04	288.94	294.61	296.76
G 32.5	255.10	257.71	264.79	273.98	283.17	289.60	292.09
G 35.0	244.97	248.15	256.11	266.86	277.13	284.45	287.17
G 37.5	234.89	238.18	247.33	259.15	270.72	278.87	281.92
G 40.0	223.64	227.68	237.95	251.42	264.11	273.20	276.49
G 42.5	212.50	217.11	228.60	243.28	257.27	267.15	270.89
G 45.0	200.93	206.02	218.90	234.96	250.32	261.04	264.99
G 47.5	189.30	195.06	209.11	226.51	243.12	254.65	258.96
G 50.0	177.16	183.50	199.09	218.15	235.79	248.14	252.62
G 52.5	164.81	172.15	188.95	209.58	228.54	241.50	246.30
G 55.0	152.64	160.28	178.85	201.02	220.99	234.65	239.57
G 57.5	139.77	148.66	168.88	192.46	213.56	227.80	233.13
G 60.0	127.00	136.97	158.96	183.91	205.96	220.85	226.36
G 62.5	114.21	125.10	149.08	175.52	198.45	213.74	219.43
G 65.0	101.34	113.66	139.45	167.24	191.06	206.78	212.52
G 67.5	88.66	102.18	129.99	159.14	183.61	199.62	205.51
G 70.0	75.76	91.26	120.84	151.13	176.21	192.82	198.73
G 72.5	63.58	80.46	112.06	143.38	168.96	185.67	191.53
G 75.0	51.07	70.54	103.81	135.90	161.90	178.84	184.86
G 77.5	39.82	60.96	95.80	128.71	154.89	172.00	177.95
G 80.0	29.15	52.30	88.43	121.65	148.28	165.04	171.19
G 82.5	19.52	44.53	81.38	115.16	141.56	158.54	164.49
G 85.0	12.05	37.88	75.03	108.75	135.05	151.88	157.80
G 87.5	6.85	32.18	69.25	102.79	128.89	145.48	151.26
G 90.0	3.89	27.55	63.97	97.03	122.84	139.19	144.92
G 92.5	2.55	23.73	59.19	91.73	116.97	133.05	138.68
G 95.0	2.66	20.77	54.95	86.56	111.48	127.15	132.66
G 97.5	3.01	18.38	50.98	81.72	105.96	121.34	126.74
G100.0	3.45	16.44	47.57	77.22	100.87	115.83	121.01
G102.5	3.95	15.15	44.35	72.92	95.87	110.41	115.44
G105.0	4.48	14.31	41.53	68.91	91.11	105.15	110.13
G107.5	5.05	14.00	38.95	65.00	86.48	99.96	104.71
G110.0	5.70	13.93	36.55	61.38	81.94	94.88	99.66
G112.5	6.41	14.00	34.33	58.00	77.65	90.01	94.64
G115.0	7.07	14.25	32.41	54.89	73.34	85.13	89.61
G117.5	7.77	14.69	30.82	51.92	69.42	80.71	84.85
G120.0	8.41	15.30	29.61	49.15	65.79	76.40	80.19
G122.5	9.08	15.98	28.63	46.63	62.32	72.42	75.86
G125.0	9.69	16.73	27.94	44.36	58.91	68.68	71.81
G127.5	10.29	17.50	27.39	42.15	55.65	64.95	68.00
G130.0	10.93	18.32	26.90	40.18	52.55	61.47	64.27
G132.5	11.52	19.15	26.57	38.47	49.61	57.98	60.63
G135.0	12.11	19.92	26.36	36.91	46.92	54.69	57.08
G137.5	12.68	20.56	26.32	35.48	44.59	51.36	53.58
G140.0	13.21	20.91	26.40	34.23	42.42	48.37	50.50
G142.5	13.72	21.08	26.60	33.17	40.37	45.71	47.58
G145.0	14.10	21.06	26.81	32.12	38.43	43.12	44.85
G147.5	14.49	20.82	26.70	31.20	36.70	40.77	42.37
G150.0	14.82	20.70	26.46	30.36	34.93	38.60	39.83
G152.5	15.14	19.98	25.44	29.47	33.62	36.70	37.61
G155.0	15.44	19.28	23.72	28.69	32.44	34.70	35.59
G157.5	15.70	18.51	21.89	27.59	31.10	33.45	34.21
G160.0	15.97	17.87	20.19	25.94	29.50	32.00	33.02
G162.5	16.13	17.53	18.94	24.06	27.91	29.80	31.33
G165.0	16.29	17.79	18.33	22.15	25.70	27.74	29.88
G167.5	16.98	18.29	18.39	20.16	22.84	25.62	26.83
G170.0	18.56	19.46	19.05	19.32	20.35	22.23	24.67
G172.5	20.40	20.45	20.31	18.75	17.99	18.96	21.09
G175.0	21.49	21.44	21.06	18.58	16.14	15.07	14.63
G177.5	22.28	22.13	21.45	19.01	15.89	13.36	8.43
G180.0	17.94	17.94	17.94	17.94	17.94	17.94	17.94

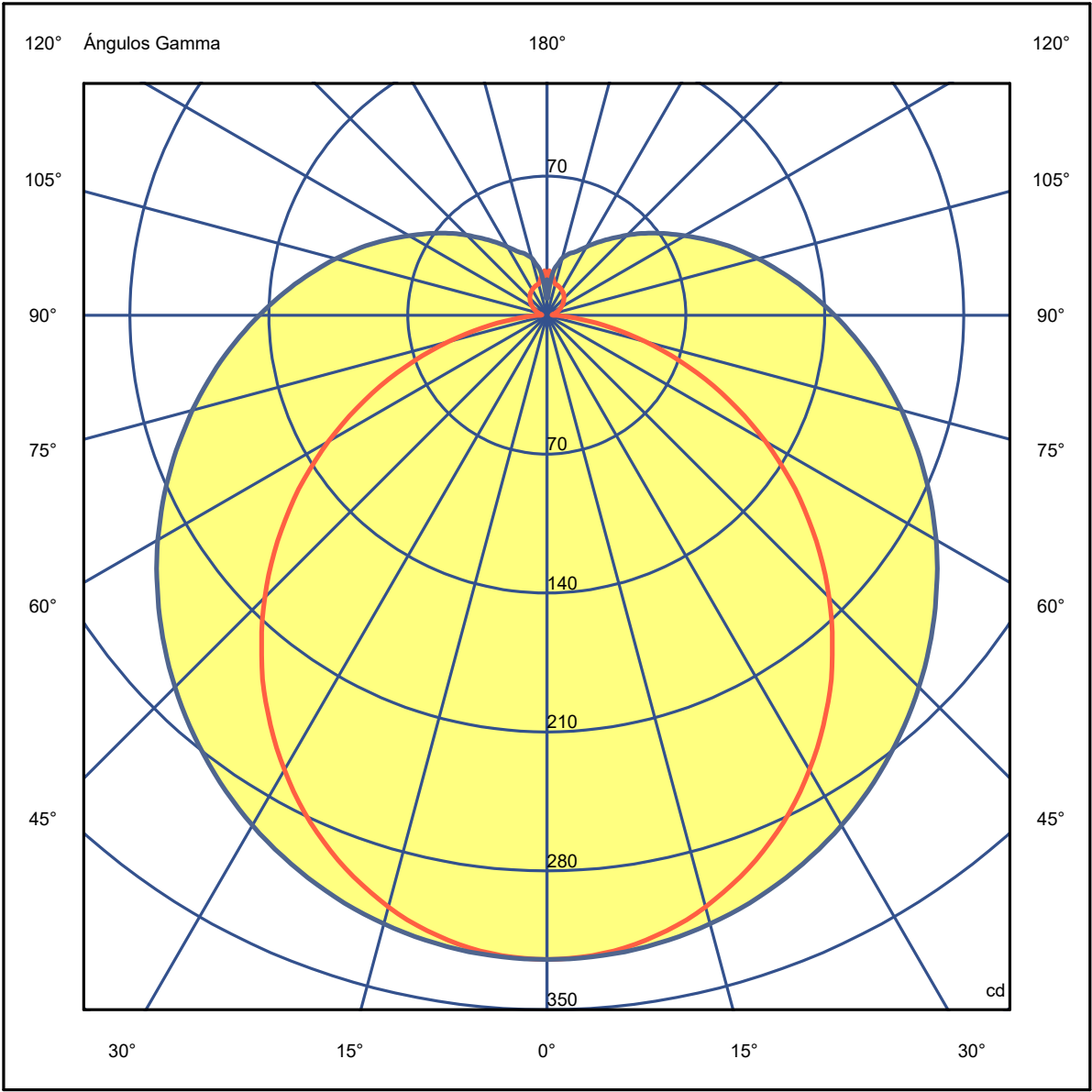
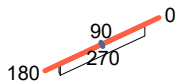
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34mm x 900mm

Semiplanos C

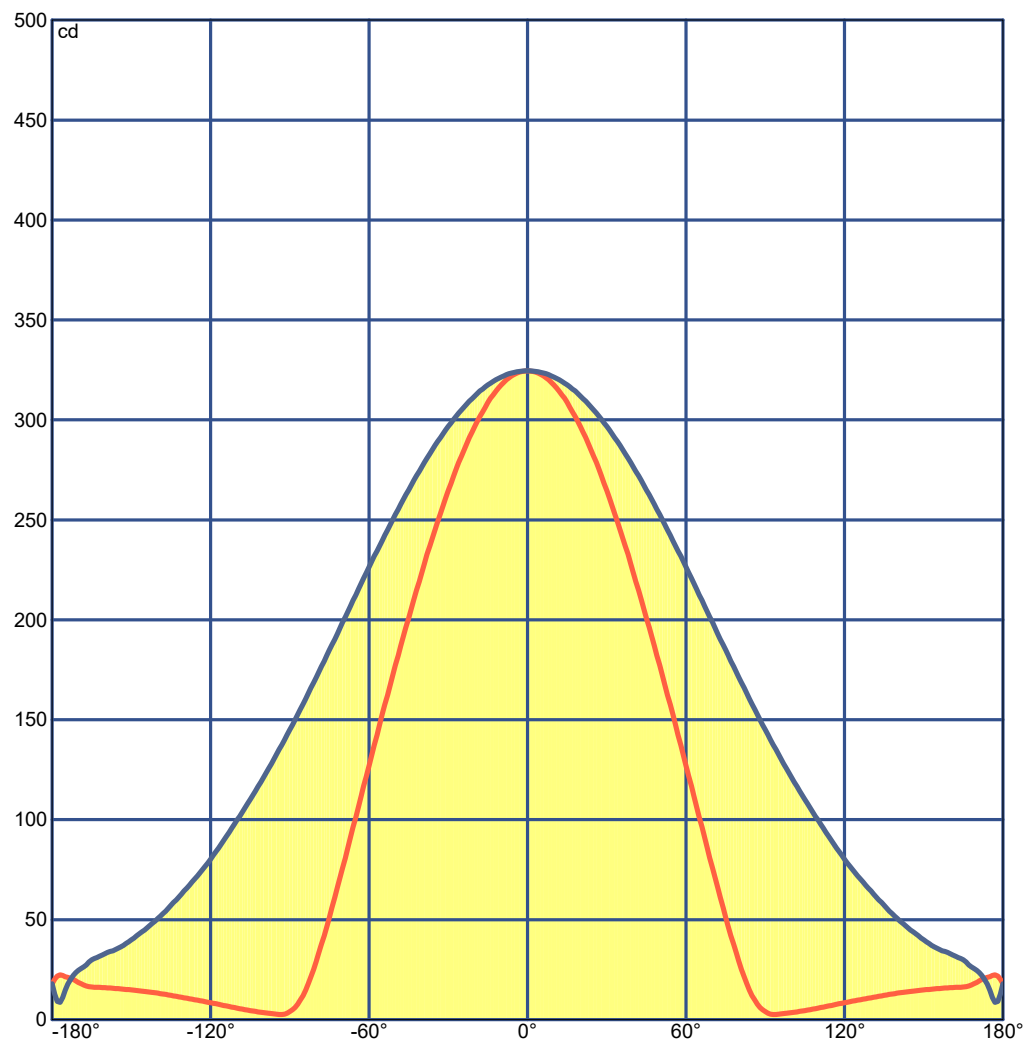
180.0 0.0
270.0 90.0



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Flujo Fuentes de luz	1497.06 lm	Valor Máximo	324.55 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	17.0	18.1	17.5	18.7	19.4	17.7	18.9	18.3	19.5	20.1
x=2H y=3H	18.3	19.4	18.9	20.0	20.7	19.8	20.9	20.4	21.5	22.1
x=2H y=4H	18.9	19.9	19.5	20.5	21.2	20.8	21.8	21.4	22.4	23.2
x=2H y=6H	19.2	20.2	19.9	20.8	21.5	21.8	22.8	22.5	23.4	24.2
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	23.5	24.3	25.1
x=4H y=2H	17.7	18.7	18.3	19.3	20.0	18.3	19.3	18.9	19.9	20.6
x=4H y=3H	19.3	20.2	19.9	20.8	21.6	20.6	21.4	21.2	22.1	22.9
x=4H y=4H	20.0	20.8	20.6	21.4	22.2	21.8	22.6	22.5	23.3	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	21.4	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	24.8	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	23.5	24.3
x=8H y=6H	21.3	21.9	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	22.9	23.8	24.3	24.8	25.0	25.5	26.4
x=8H y=12H	21.9	22.3	22.6	23.0	24.0	25.1	25.5	25.8	26.2	27.2
x=12H y=4H	21.8	22.4	22.5	23.1	24.0	22.4	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	24.0	24.9	24.6	25.0	25.3	25.8	26.7

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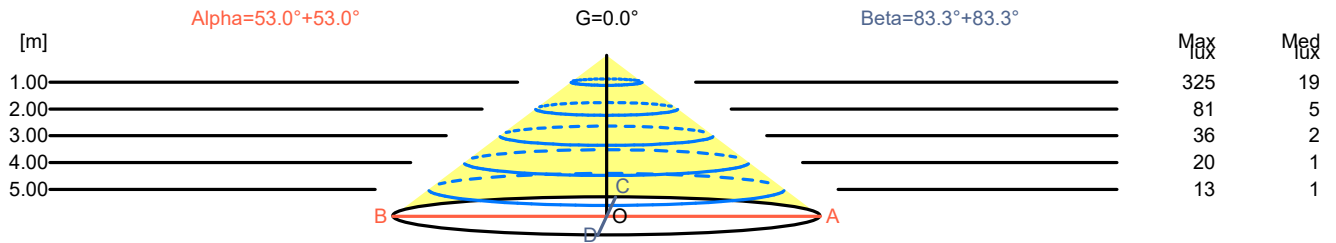
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Flujo Fuentes de luz	1497.06 lm	Valor Máximo	324.55 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	324.55	322.75	308.61	281.91	244.97	200.93	152.64	101.34	51.07	12.05
OB	324.55	322.75	308.61	281.91	244.97	200.93	152.64	101.34	51.07	12.05
OC	324.55	323.77	317.44	304.96	287.17	264.99	239.57	212.52	184.86	157.80
OD	324.55	323.77	317.44	304.96	287.17	264.99	239.57	212.52	184.86	157.80



H[m]	D[m]	Max lux	Med lux	Alpha=53.0°+53.0°	G=0.0
1.00	2.66	325	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	325	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=1497.06 Flujo Luminaria=1497.06

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

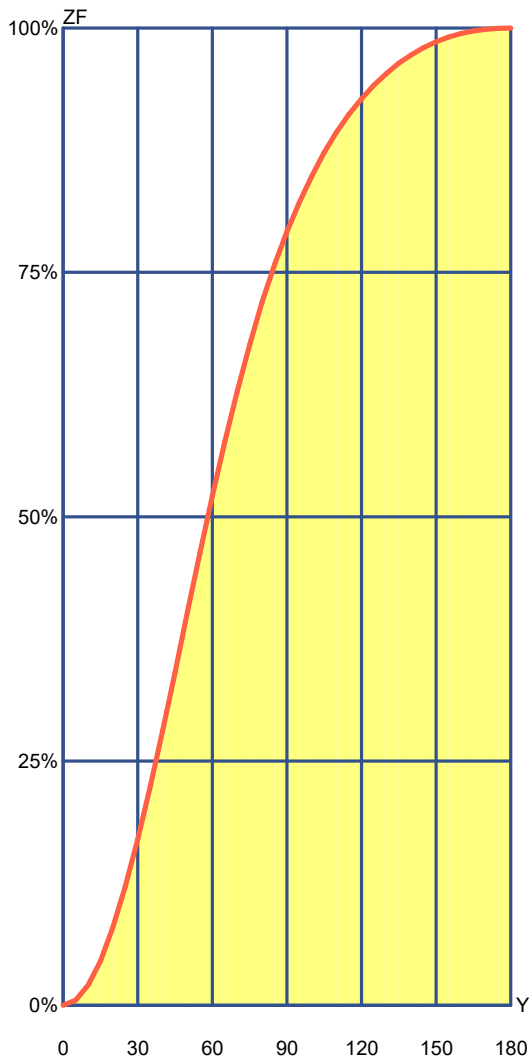
Flujo Zonal por 1000 Lúmenes

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

