

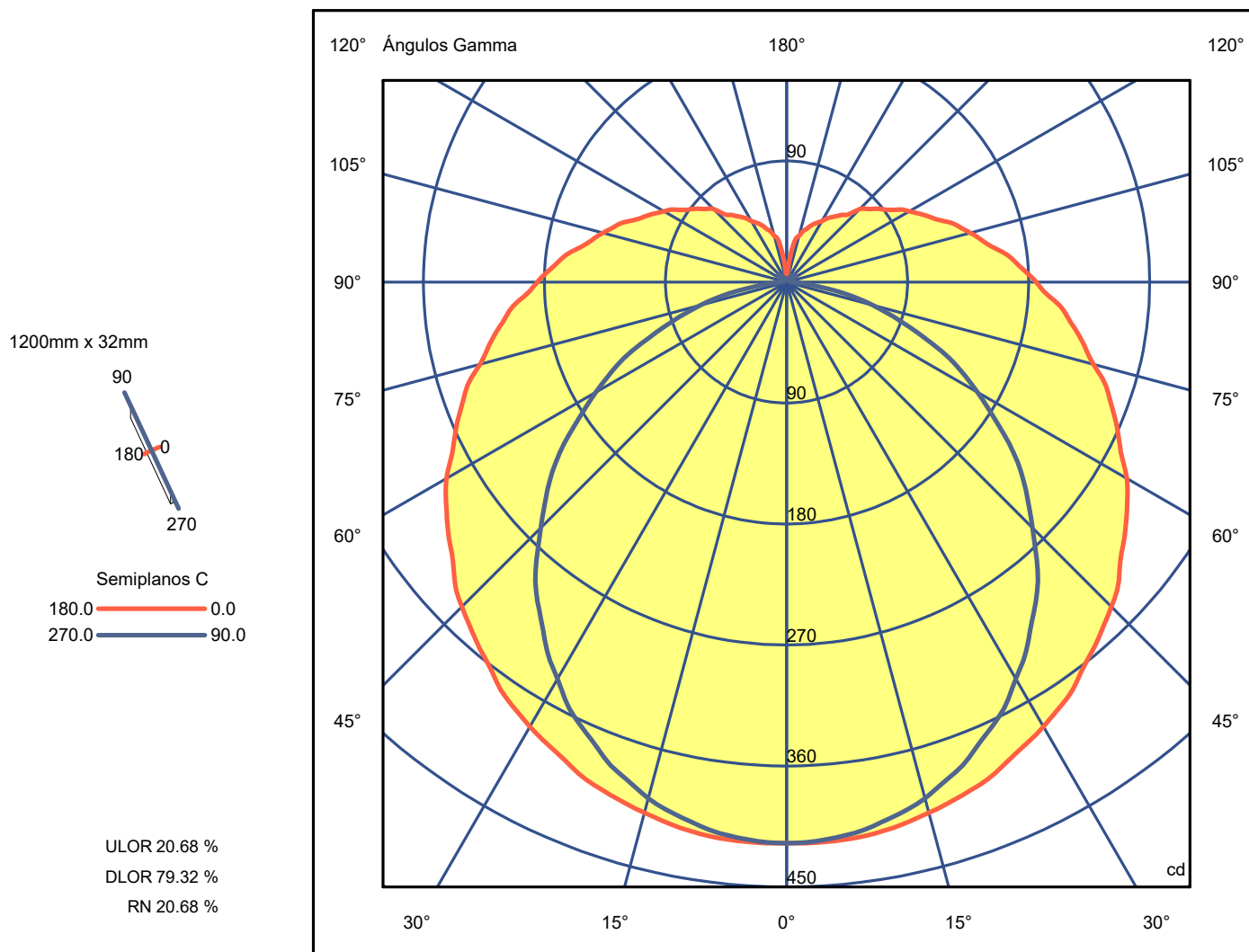
Luminaria

Código A704-001-16-30K
 Nombre AMBROSIA 120 BLACK 30K
Ensayo
 Código CL041A21F029GE2
 Nombre AMBROSIA 120 BLACK 30K

Flujo Luminaria	1927.08 lm	Potencia Luminaria	21.47 W	Eficacia	89.77 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	1927.08 lm	Valor Máximo	417.53 cd	Posición	C=0.00 G=2.50	CG	Bisimétrico
Luminaria Rectangular	Longit.	1200 mm	Anchura	32 mm	Altura	32 mm	
Área Luminosa Rectangular	Longit.	1200 mm	Anchura	30 mm	Altura	30 mm	
Área Luminosa Horizontal		0.036000 m2	Área Emisión sobre Pl. 180°		0.036000 m2		
Área Emisión sobre Pl. 0°		0.036000 m2	Área Emisión sobre Pl. 270°		0.000900 m2		
Área Emisión sobre Pl. 90°		0.000900 m2	Área de deslumbramiento a 76°		0.043640 m2		
Sist. de Coordn.	CG		Tipo de Simetría		Bisimétrico		
Fecha	09-09-2021		Máximo Ángulo Gamma		180		
Distancia de Ensayo	6.44		Flujo de Ensayo		1927.08 lm		
Operador	Asselum T2		Tensión Nominal		230.14 V		
Temperatura	25.10 °C		Corriente Nominal		0.10 A		
Humedad	64.50 %		Fotocélula		Prc		
Notas	RM21070714						

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	LED	LED 24V	1927.08	21.47	1
C.I.E.	38 66 86 79 100		D DIN 5040	B21	
F UTE	0.79 H + 0.21 T		B NBN	BZ 6	



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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	417.25	417.25	417.25	417.25	417.25	417.25	417.25
G 2.5	417.53	416.89	417.50	416.79	417.13	416.68	416.77
G 5.0	417.17	416.75	416.93	416.09	415.95	415.28	414.81
G 7.5	416.30	415.26	415.69	414.25	413.86	412.84	412.26
G 10.0	414.51	413.32	413.32	411.35	410.69	409.44	407.78
G 12.5	411.79	410.88	410.13	407.82	406.51	404.32	403.14
G 15.0	408.64	408.08	406.32	403.75	401.14	398.05	397.55
G 17.5	405.42	404.40	401.86	398.18	394.76	391.58	389.62
G 20.0	401.87	399.46	397.23	392.13	387.93	384.68	382.56
G 22.5	397.95	395.11	391.93	385.19	380.45	376.56	372.32
G 25.0	391.74	390.40	385.93	378.48	371.34	365.61	363.38
G 27.5	386.76	385.38	379.18	371.38	362.45	355.26	353.62
G 30.0	381.84	378.82	372.20	362.47	352.24	344.65	340.71
G 32.5	376.23	371.95	365.01	353.51	341.85	333.80	329.70
G 35.0	370.41	365.62	357.62	343.70	331.62	322.64	315.80
G 37.5	361.94	358.93	349.15	334.68	319.45	307.78	303.34
G 40.0	355.25	352.23	340.60	325.69	308.18	293.57	290.59
G 42.5	348.30	343.80	331.50	313.81	295.31	280.92	274.55
G 45.0	341.54	335.02	322.84	303.68	283.37	268.01	258.51
G 47.5	334.19	327.20	313.72	292.24	271.10	254.23	243.93
G 50.0	323.77	319.62	304.71	282.08	257.52	237.58	229.95
G 52.5	316.00	311.67	294.69	272.32	245.09	221.67	214.75
G 55.0	308.30	302.08	284.90	259.62	231.53	207.67	197.24
G 57.5	300.30	292.27	275.28	248.47	218.69	193.92	179.66
G 60.0	292.16	283.77	266.07	237.23	206.61	178.23	163.82
G 62.5	280.96	275.41	256.50	227.41	192.73	161.93	148.45
G 65.0	272.40	267.10	246.21	217.63	180.71	145.97	133.42
G 67.5	264.27	257.11	236.52	205.48	169.59	132.25	113.90
G 70.0	255.87	246.74	227.51	195.14	156.09	118.86	96.88
G 72.5	247.65	238.51	217.92	184.75	145.06	104.37	80.79
G 75.0	236.13	230.28	208.78	176.02	134.10	90.26	66.16
G 77.5	227.68	222.13	199.76	167.36	123.70	77.25	51.56
G 80.0	219.88	212.52	190.61	156.91	113.70	66.63	36.75
G 82.5	211.69	202.69	181.84	148.26	104.68	57.36	22.79
G 85.0	204.15	194.95	174.05	139.88	96.67	47.67	12.72
G 87.5	192.94	187.28	165.65	132.72	88.66	40.33	5.96
G 90.0	185.46	179.80	158.17	125.91	82.08	34.05	2.75
G 92.5	177.91	171.14	150.34	117.79	76.05	30.05	2.28
G 95.0	170.73	162.53	142.93	110.63	70.19	26.94	2.46
G 97.5	163.77	155.64	136.36	105.05	65.54	24.38	2.79
G100.0	154.09	149.17	129.66	99.84	61.38	22.81	3.18
G102.5	147.55	142.53	123.49	94.98	57.73	21.71	3.61
G105.0	141.44	135.65	117.32	89.36	54.47	21.14	4.14
G107.5	135.29	128.21	111.44	84.47	51.68	20.86	4.76
G110.0	129.61	122.62	106.39	80.46	49.31	20.71	5.14
G112.5	124.44	117.19	101.03	76.83	47.01	20.94	5.58
G115.0	116.02	111.88	96.03	72.95	45.31	21.25	6.07
G117.5	110.50	105.90	91.19	69.41	43.56	21.49	6.69
G120.0	105.38	99.85	86.60	65.95	40.49	21.63	7.24
G122.5	100.49	95.10	82.56	63.06	38.55	21.72	7.50
G125.0	93.62	90.67	78.35	59.61	37.64	21.97	7.74
G127.5	89.15	86.25	74.63	56.29	37.01	22.24	7.89
G130.0	84.83	81.42	70.85	52.89	36.43	22.57	7.87
G132.5	80.60	75.79	65.41	50.40	35.57	22.76	7.74
G135.0	76.78	71.62	61.40	48.46	34.49	22.67	7.41
G137.5	68.56	67.43	58.46	46.75	33.52	22.38	6.98
G140.0	65.35	63.53	55.80	44.43	32.65	22.00	6.49
G142.5	62.15	59.75	53.33	41.77	31.70	21.67	5.83
G145.0	59.16	56.53	50.68	39.49	30.45	21.44	5.13
G147.5	56.31	53.38	47.53	37.78	28.99	21.18	4.58
G150.0	52.51	51.03	44.66	36.04	27.94	20.82	4.02
G152.5	50.03	48.66	40.95	34.11	27.18	20.19	3.41
G155.0	47.62	45.50	37.81	32.49	26.10	19.53	2.84
G157.5	45.12	41.14	35.53	31.08	25.27	18.74	2.39
G160.0	41.75	37.70	33.45	30.02	24.79	17.33	2.02
G162.5	39.47	35.22	31.34	29.07	25.10	16.09	1.95
G165.0	35.49	32.26	28.96	28.18	25.46	15.09	1.92
G167.5	33.90	27.52	26.40	26.73	24.29	14.88	1.90
G170.0	27.50	24.36	24.60	21.57	18.07	14.20	1.86
G172.5	17.10	18.79	21.54	19.96	16.14	11.30	1.81
G175.0	7.10	15.56	13.50	14.47	15.00	6.99	1.78
G177.5	5.21	6.89	8.93	7.98	5.67	2.96	1.77
G180.0	2.26	2.26	2.26	2.26	2.26	2.26	2.26

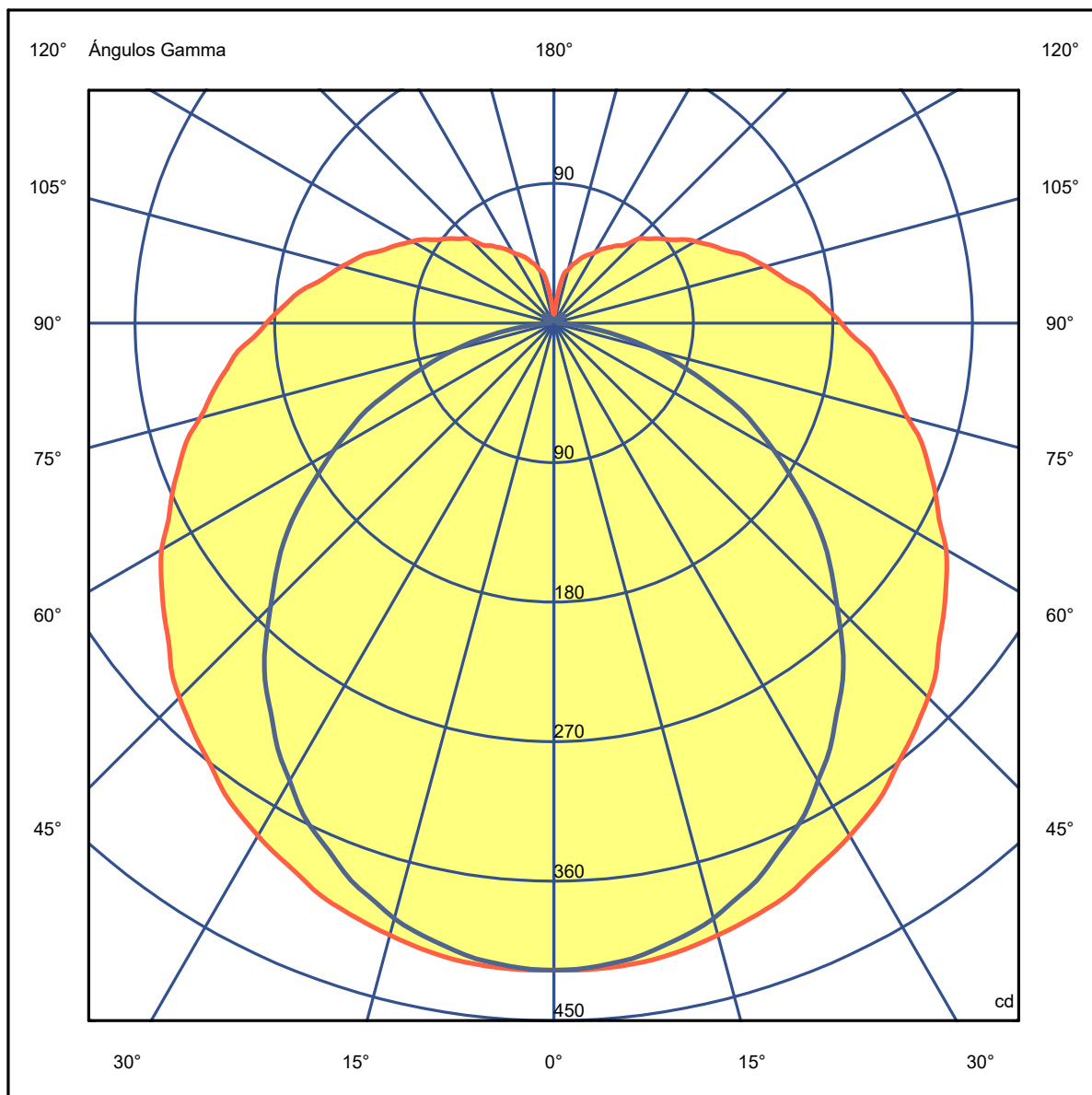
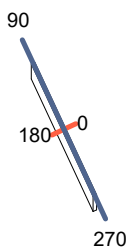
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1200mm x 32mm

Semiplanos C

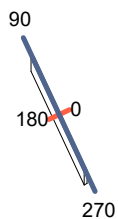


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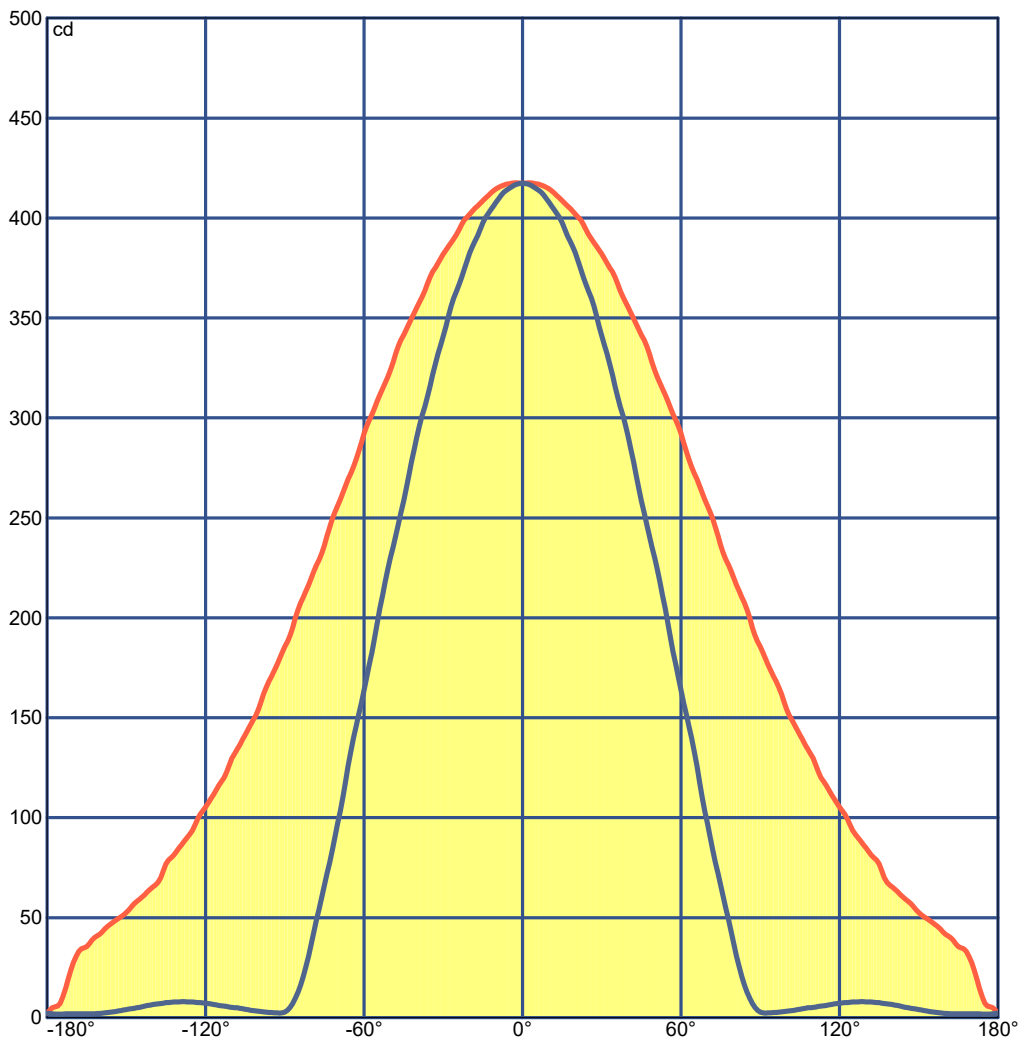
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Flujo Fuentes de luz	1927.08 lm	Valor Máximo	417.53 cd	Posición	C=0.00 G=2.50	CG	Bisimétrico

1200mm x 32mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



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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				
Mista Lateral						Longitudinal				
x=2H y=2H	18.0	19.2	18.6	19.8	20.4	17.3	18.5	17.9	19.1	19.7
x=2H y=3H	20.1	21.2	20.7	21.8	22.5	18.7	19.8	19.4	20.4	21.1
x=2H y=4H	21.1	22.1	21.8	22.8	23.5	19.3	20.3	19.9	20.9	21.6
x=2H y=6H	22.2	23.1	22.8	23.7	24.5	19.6	20.6	20.3	21.2	21.9
x=2H y=8H	22.6	23.5	23.3	24.2	24.9	19.7	20.6	20.4	21.3	22.0
x=2H y=12H	23.1	24.0	23.8	24.6	25.4	19.8	20.6	20.4	21.3	22.0
x=4H y=2H	18.6	19.6	19.2	20.2	21.0	18.1	19.1	18.7	19.7	20.4
x=4H y=3H	20.9	21.8	21.6	22.4	23.2	19.7	20.6	20.3	21.2	22.0
x=4H y=4H	22.1	22.9	22.8	23.6	24.4	20.4	21.2	21.1	21.8	22.6
x=4H y=6H	23.3	24.0	24.0	24.7	25.5	20.9	21.6	21.6	22.3	23.1
x=4H y=8H	23.9	24.6	24.6	25.3	26.1	21.0	21.7	21.7	22.4	23.2
x=4H y=12H	24.5	25.1	25.2	25.8	26.7	21.1	21.7	21.8	22.4	23.3
x=8H y=4H	22.4	23.1	23.1	23.8	24.6	21.0	21.6	21.7	22.3	23.1
x=8H y=6H	23.9	24.4	24.6	25.2	26.0	21.7	22.3	22.5	23.0	23.9
x=8H y=8H	24.6	25.1	25.4	25.9	26.8	22.0	22.5	22.8	23.3	24.2
x=8H y=12H	25.4	25.8	26.2	26.6	27.5	22.2	22.6	23.0	23.4	24.3
x=12H y=4H	22.7	23.3	23.4	24.0	24.9	22.2	22.8	22.9	23.5	24.3
x=12H y=6H	24.1	24.6	24.9	25.4	26.3	22.8	23.3	23.6	24.1	25.0
x=12H y=8H	24.9	25.3	25.7	26.1	27.0	23.1	23.6	23.9	24.3	25.3

Luminaria

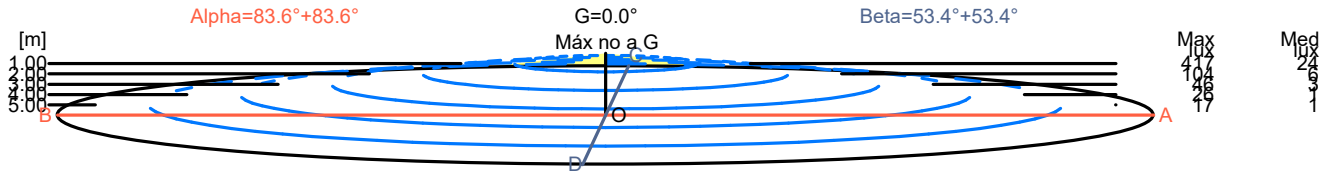
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Flujo Fuentes de luz	1927.08 lm	Valor Máximo	417.53 cd	Posición	C=0.00 G=2.50	CG	Bisimétrico

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	8.85	17.70	26.54	35.39	44.24	OC	1.35	2.69	4.04	5.38	6.73
OB	8.85	17.70	26.54	35.39	44.24	OD	1.35	2.69	4.04	5.38	6.73

	Intensidades Luminosas [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	417.25	417.17	408.64	391.74	370.41	341.54	308.30	272.40	236.13	204.15
OB	417.25	417.17	408.64	391.74	370.41	341.54	308.30	272.40	236.13	204.15
OC	417.25	414.81	397.55	363.38	315.80	258.51	197.24	133.42	66.16	12.72
OD	417.25	414.81	397.55	363.38	315.80	258.51	197.24	133.42	66.16	12.72



H[m]	D[m]	Max lux	Med lux	Alpha=83.6°+83.6°	G=0.0 Máx no a G
1.00	17.70	417	24		
2.00	35.39	104	6		
3.00	53.09	46	3		
4.00	70.78	26	1		
5.00	88.48	17	1		

H[m]	D[m]	Max lux	Med lux	Beta=53.4°+53.4°	G=0.0 Máx no a G
1.00	2.69	417	24		
2.00	5.38	104	6		
3.00	8.07	46	3		
4.00	10.76	26	1		
5.00	13.45	17	1		

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Flujo Total=1927.08 Flujo Luminaria=1927.08

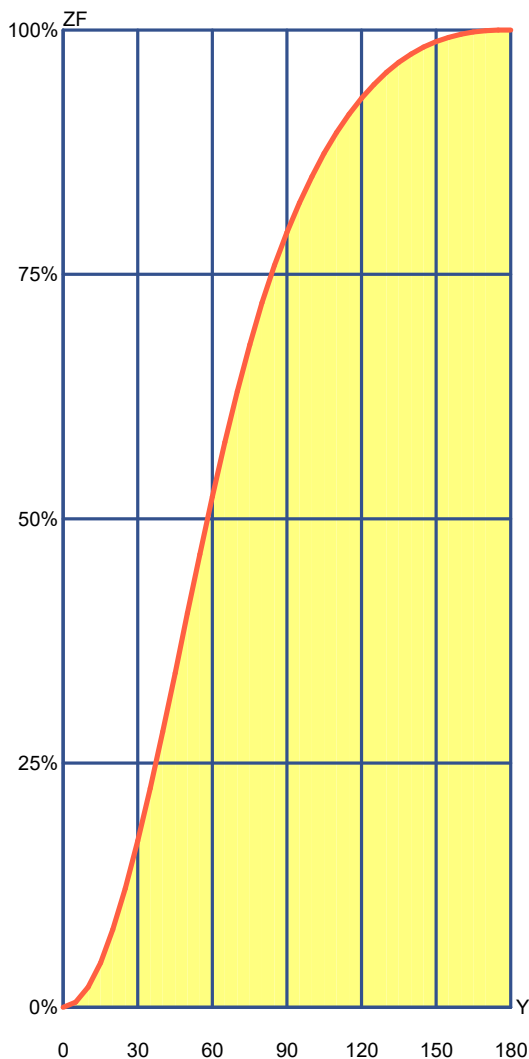
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.24	0.32	0.38	0.45	0.50	0.58	0.64	0.68	0.74	0.78	0.87	0.92
RC	7	7	7	7	7	7	7	7	7	7	7	7

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	282	403	522	630	721	793	850	895	930	957	976	988	996	999	1000

Códigos de Flujo C.I.E.
 38 66 86 79 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	B21	ULOR	20.68388 %
F UTE	0.79 H + 0.21 T	DLOR	79.31612 %
B NBN	BZ 6	UFF	20.68388 %
RN	20.68388 %	DFF	79.31612 %
BLF	1.0	FFR	26.07777 %



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°	15.37	20.54	1.54 %	2.05 %
15°	25.09	45.62	2.51 %	4.56 %
20°	34.02	79.64	3.40 %	7.96 %
25°	41.94	121.58	4.19 %	12.16 %
30°	48.62	170.20	4.86 %	17.02 %
35°	53.94	224.14	5.39 %	22.41 %
40°	57.79	281.93	5.78 %	28.19 %
45°	60.10	342.03	6.01 %	34.20 %
50°	61.02	403.06	6.10 %	40.31 %
55°	60.52	463.57	6.05 %	46.36 %
60°	58.71	522.28	5.87 %	52.23 %
65°	55.89	578.17	5.59 %	57.82 %
70°	52.12	630.29	5.21 %	63.03 %
75°	47.70	677.99	4.77 %	67.80 %
80°	43.02	721.02	4.30 %	72.10 %
85°	38.24	759.25	3.82 %	75.93 %
90°	33.91	793.16	3.39 %	79.32 %
95°	30.13	823.29	3.01 %	82.33 %
100°	26.81	850.11	2.68 %	85.01 %
105°	23.89	874.00	2.39 %	87.40 %
110°	21.15	895.15	2.12 %	89.51 %
115°	18.71	913.86	1.87 %	91.39 %
120°	16.40	930.26	1.64 %	93.03 %
125°	14.20	944.45	1.42 %	94.45 %
130°	12.22	956.67	1.22 %	95.67 %
135°	10.31	966.98	1.03 %	96.70 %
140°	8.55	975.54	0.86 %	97.55 %
145°	7.00	982.54	0.70 %	98.25 %
150°	5.60	988.13	0.56 %	98.81 %
155°	4.33	992.47	0.43 %	99.25 %
160°	3.19	995.66	0.32 %	99.57 %
165°	2.25	997.91	0.22 %	99.79 %
170°	1.40	999.30	0.14 %	99.93 %
175°	0.60	999.91	0.06 %	99.99 %
180°	0.09	1000.00	0.01 %	100.00 %

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Isolux (Suelo)

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

