

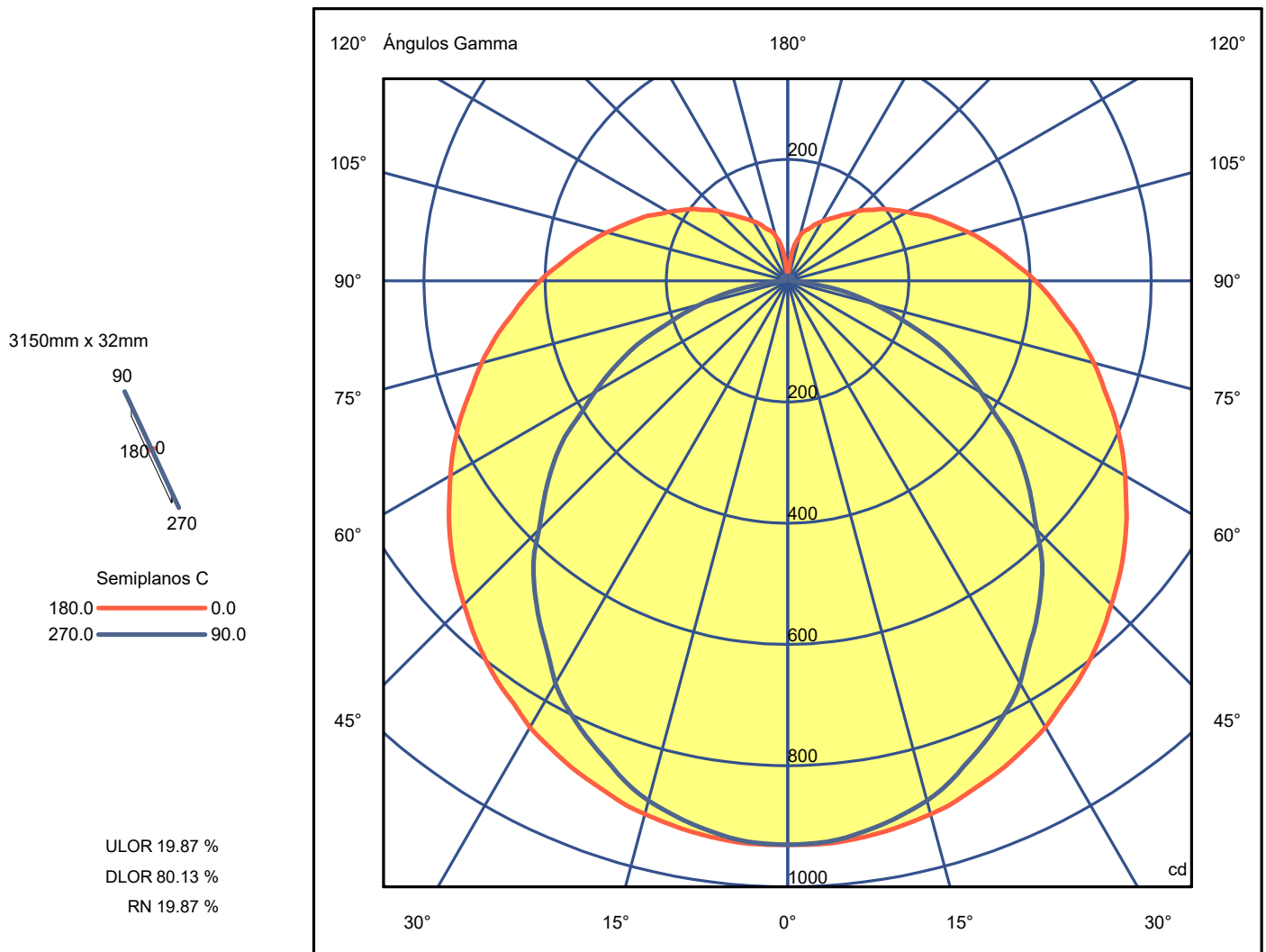
**Luminaria**

Código A704-004-16-22K  
Nombre AMBROSIA 315 BLACK 22K

**Ensayo**

Código CL041A21F031GE1  
Nombre AMBROSIA 315 BLACK 22K

Flujo Luminaria	4220.07 lm	Potencia Luminaria	46.71 W	Eficacia	90.35 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	4220.07 lm	Valor Máximo	930.86 cd	Posición	C=0.00 G=2.50	CG Bisimétrico	
Luminaria Rectangular	Longit.	3150 mm	Longit.	3150 mm	Anchura	32 mm	Altura
Área Luminosa Rectangular					Anchura	30 mm	Altura
Área Luminosa Horizontal		0.094500 m2			Área Emisión sobre Pl. 180°	0.094500 m2	
Área Emisión sobre Pl. 0°		0.094500 m2			Área Emisión sobre Pl. 270°	0.000900 m2	
Área Emisión sobre Pl. 90°		0.000900 m2			Área de deslumbramiento a 76°	0.114555 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		4220.07 lm		
Operador	ASSELUM		Tensión Nominal		230.20 V		
Temperatura	24.80 °C		Corriente Nominal		0.21 A		
Humedad	57.50 %		Fotocélula		Prc		
Notas	RM21070711; RM21070710						
Fuentes de luz de la Luminaria							
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.		
	LED	LED 24V	4220.07	46.71	1		
C.I.E.	38 66 86 80 100		D DIN 5040	B21			
F UTE	0.80 H + 0.20 T		B NBN	BZ 6			



**Luminaria**

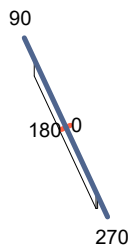
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Tabla de Intensidad Luminosa cd				Tabla 1/1			
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	930.38	930.38	930.38	930.38	930.38	930.38	930.38
G 2.5	930.86	930.44	929.93	929.51	929.29	929.28	929.29
G 5.0	929.94	929.23	928.34	927.41	926.77	926.10	925.81
G 7.5	926.63	925.99	925.00	923.47	921.37	919.44	918.60
G 10.0	922.52	921.18	919.22	916.86	913.67	910.91	909.73
G 12.5	916.95	914.88	912.21	909.35	904.99	901.18	899.56
G 15.0	910.70	907.93	904.28	900.33	894.64	889.75	887.68
G 17.5	903.81	899.60	893.92	887.53	880.42	874.69	872.33
G 20.0	893.15	888.39	882.19	874.95	864.77	855.83	851.44
G 22.5	884.07	878.71	870.13	859.02	846.72	836.53	832.26
G 25.0	873.70	867.37	857.37	844.37	829.71	817.46	812.33
G 27.5	861.88	854.68	843.16	828.16	811.25	797.14	791.23
G 30.0	850.65	840.99	826.60	808.65	789.12	773.11	766.47
G 32.5	833.93	824.53	809.62	789.12	764.48	743.15	734.06
G 35.0	821.05	809.66	791.29	767.12	739.68	716.66	707.01
G 37.5	806.29	793.68	773.47	746.79	716.29	690.60	679.80
G 40.0	790.56	776.86	754.83	725.54	691.82	663.29	651.28
G 42.5	773.31	757.59	732.99	700.80	664.16	633.34	620.40
G 45.0	755.14	739.63	714.33	678.75	635.19	597.15	580.87
G 47.5	738.37	720.86	691.83	652.10	605.14	564.89	547.82
G 50.0	720.78	702.36	671.81	629.51	578.86	535.14	516.53
G 52.5	701.69	682.17	649.89	604.98	550.87	504.01	484.03
G 55.0	682.58	662.07	627.97	579.95	521.43	470.44	448.65
G 57.5	661.60	641.01	605.37	553.02	486.91	428.33	403.08
G 60.0	642.90	621.89	584.71	529.24	458.45	395.42	368.19
G 62.5	623.58	602.32	564.22	506.19	430.84	363.21	333.89
G 65.0	603.56	582.15	543.18	482.53	402.36	329.83	298.26
G 67.5	583.34	561.64	521.54	458.05	373.07	295.76	262.03
G 70.0	561.21	540.70	500.45	433.35	340.38	254.57	216.88
G 72.5	541.71	521.47	480.63	410.92	312.84	221.75	181.62
G 75.0	523.06	503.56	462.73	390.78	287.52	190.84	148.11
G 77.5	502.95	484.02	443.23	369.57	262.26	161.22	116.44
G 80.0	483.64	465.02	423.79	348.05	236.68	131.44	84.74
G 82.5	462.30	445.48	405.52	328.26	211.40	99.82	50.07
G 85.0	444.01	427.47	387.48	309.54	191.20	78.05	27.57
G 87.5	426.45	410.32	370.90	293.44	175.34	62.24	11.76
G 90.0	408.60	391.93	352.52	276.69	162.30	53.17	4.54
G 92.5	390.15	372.62	333.22	260.09	151.95	49.55	4.07
G 95.0	371.46	353.66	314.96	244.97	142.97	46.93	4.37
G 97.5	355.14	336.98	298.78	231.50	135.00	44.70	4.80
G100.0	339.24	321.41	284.34	219.92	128.36	43.00	5.33
G102.5	324.48	305.78	268.89	206.98	120.77	41.04	5.99
G105.0	309.24	291.18	255.46	196.26	114.77	39.75	6.85
G107.5	293.33	275.67	241.40	185.33	108.73	38.44	7.65
G110.0	279.71	262.52	229.50	176.04	103.55	37.24	8.23
G112.5	266.47	250.11	218.69	167.91	99.12	36.23	8.73
G115.0	254.12	237.82	207.32	158.88	93.98	34.94	9.17
G117.5	238.97	224.34	196.36	151.17	89.99	34.09	9.63
G120.0	227.49	213.45	186.67	143.70	85.79	32.98	9.90
G122.5	215.91	202.78	177.61	136.98	81.99	31.73	9.76
G125.0	204.94	192.46	168.45	129.84	77.78	30.30	9.56
G127.5	194.66	181.94	158.36	121.49	72.72	28.60	9.39
G130.0	182.28	170.64	148.80	114.43	68.80	27.44	9.43
G132.5	173.05	161.43	139.78	106.78	64.22	26.16	9.69
G135.0	162.86	152.60	132.86	102.11	61.86	25.63	9.90
G137.5	150.29	142.32	125.40	97.52	59.72	25.18	10.07
G140.0	142.24	134.76	118.56	92.08	56.56	24.25	10.16
G142.5	133.05	127.08	112.79	88.36	54.74	23.83	10.28
G145.0	126.29	120.93	107.46	84.30	52.45	23.21	10.40
G147.5	119.60	115.04	102.75	81.08	50.73	22.69	10.37
G150.0	113.39	107.88	96.26	78.22	49.13	22.07	10.14
G152.5	107.76	102.53	91.46	74.39	46.82	21.22	9.94
G155.0	100.61	96.47	86.90	71.49	45.31	20.68	9.76
G157.5	93.75	89.45	80.86	68.31	43.50	19.92	9.42
G160.0	88.99	84.89	77.17	66.03	42.22	19.35	9.13
G162.5	84.37	80.78	73.77	63.20	40.53	18.63	8.81
G165.0	76.50	74.85	69.76	60.43	39.07	17.97	8.43
G167.5	67.02	69.57	67.44	57.85	37.78	17.33	7.95
G170.0	56.44	59.29	56.80	47.64	31.11	14.73	7.31
G172.5	36.55	43.53	47.58	43.84	30.18	14.43	6.86
G175.0	16.00	23.93	31.15	32.13	23.73	12.30	6.56
G177.5	11.99	15.83	19.04	18.93	14.91	9.36	6.39
G180.0	8.11	8.11	8.11	8.11	8.11	8.11	8.11

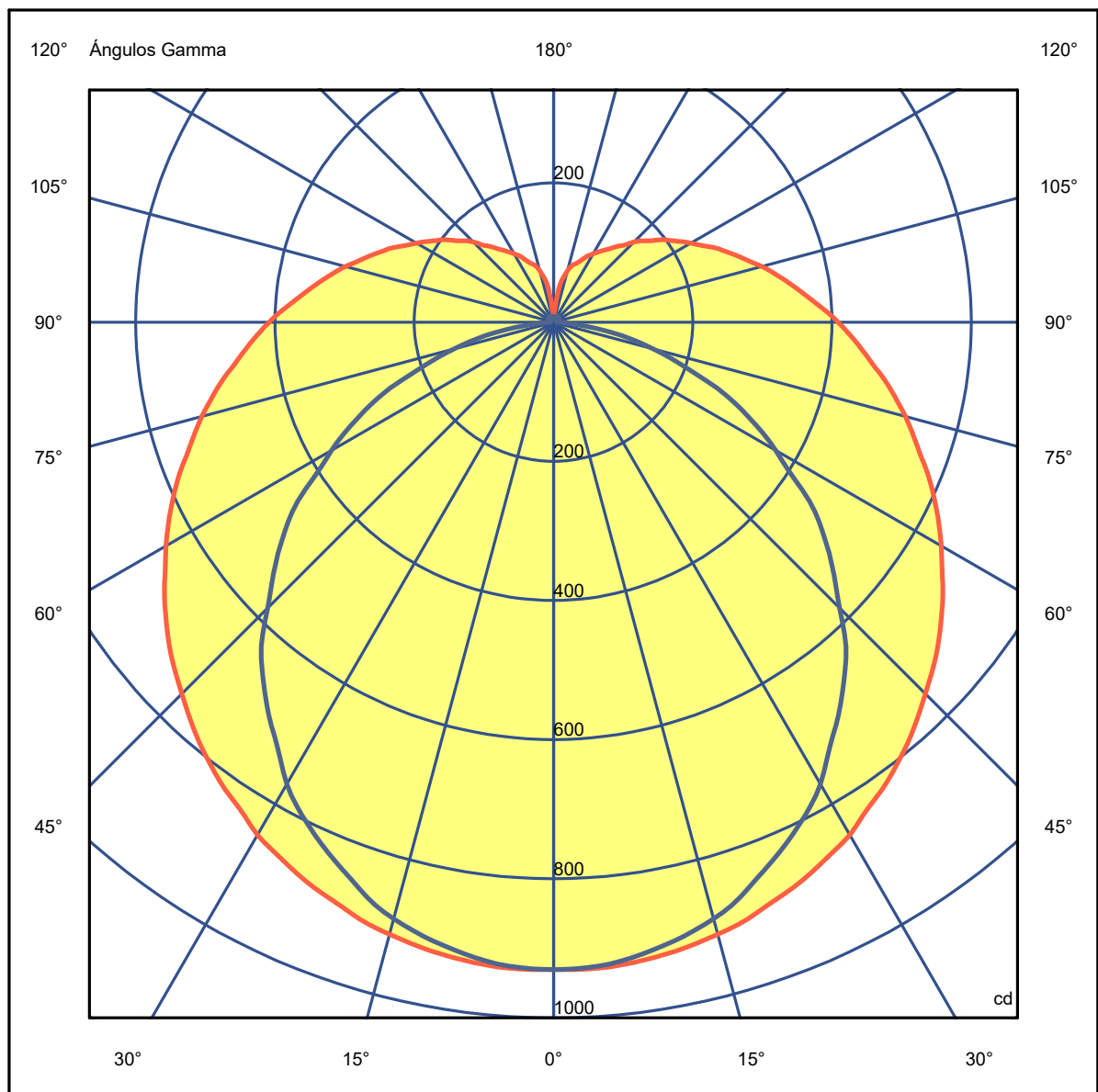
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3150mm x 32mm



Semiplanos C

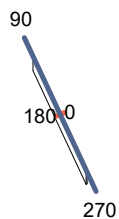


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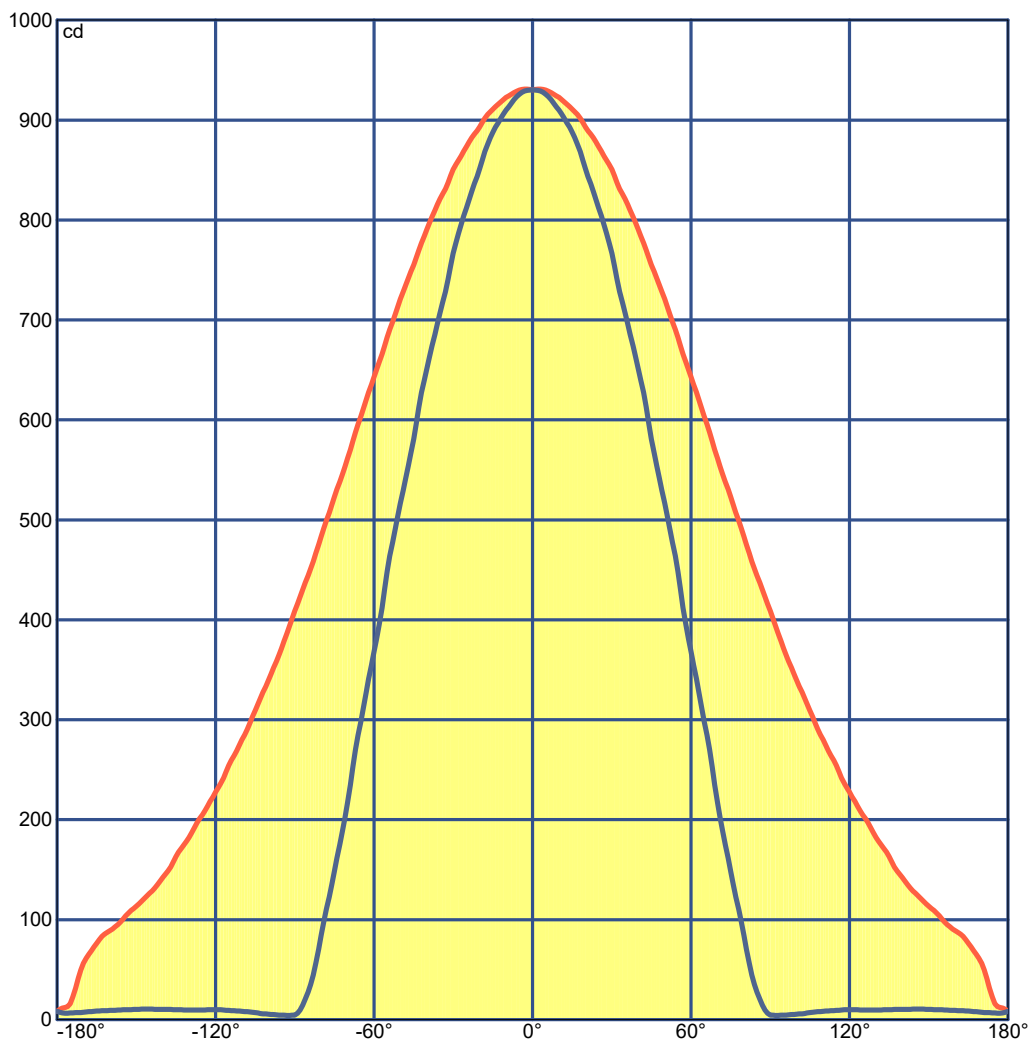
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Flujo Fuentes de luz	4220.07 lm	Valor Máximo	930.86 cd	Posición	C=0.00 G=2.50	CG	Bisimétrico

3150mm 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 Lateral					Vista Longitudinal				
x=2H y=2H	17.5	18.7	18.0	19.2	19.8	16.9	18.1	17.5	18.7	19.3
x=2H y=3H	19.5	20.6	20.1	21.2	21.9	18.3	19.4	18.9	20.0	20.7
x=2H y=4H	20.6	21.6	21.2	22.2	22.9	18.8	19.8	19.4	20.5	21.2
x=2H y=6H	21.6	22.5	22.2	23.1	23.9	19.2	20.1	19.8	20.7	21.5
x=2H y=8H	22.0	23.0	22.7	23.6	24.3	19.2	20.2	19.9	20.8	21.5
x=2H y=12H	22.5	23.4	23.2	24.0	24.8	19.3	20.1	19.9	20.8	21.5
x=4H y=2H	18.1	19.1	18.7	19.7	20.4	17.6	18.7	18.3	19.3	20.0
x=4H y=3H	20.3	21.2	21.0	21.9	22.6	19.2	20.1	19.9	20.8	21.5
x=4H y=4H	21.5	22.3	22.2	23.0	23.8	19.9	20.7	20.6	21.3	22.1
x=4H y=6H	22.7	23.5	23.5	24.1	25.0	20.3	21.0	21.0	21.7	22.5
x=4H y=8H	23.3	24.0	24.0	24.7	25.5	20.4	21.1	21.2	21.8	22.6
x=4H y=12H	23.9	24.5	24.6	25.2	26.1	20.5	21.1	21.2	21.8	22.6
x=8H y=4H	21.9	22.5	22.6	23.2	24.0	20.5	21.1	21.2	21.8	22.6
x=8H y=6H	23.3	23.9	24.1	24.6	25.5	21.1	21.7	21.9	22.4	23.3
x=8H y=8H	24.1	24.5	24.8	25.3	26.2	21.4	21.9	22.1	22.6	23.5
x=8H y=12H	24.8	25.2	25.6	26.0	26.9	21.5	21.9	22.3	22.7	23.6
x=12H y=4H	22.1	22.7	22.8	23.4	24.3	21.7	22.2	22.4	23.0	23.8
x=12H y=6H	23.5	24.0	24.3	24.8	25.6	22.3	22.7	23.0	23.5	24.4
x=12H y=8H	24.3	24.8	25.1	25.5	26.4	22.5	22.9	23.3	23.7	24.6

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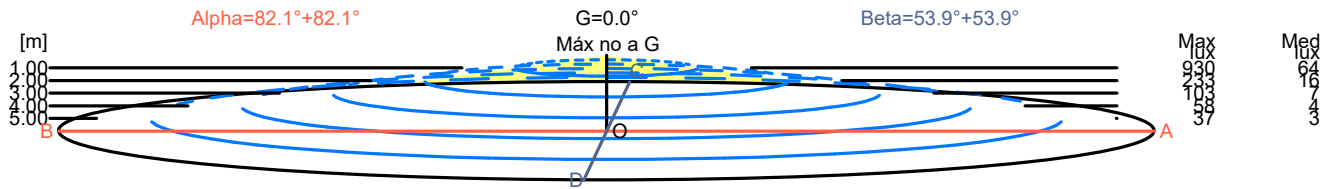
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## Apertura a 50.00 % de Max Intensidad

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	7.23	14.46	21.70	28.93	36.16	OC	1.37	2.74	4.11	5.49	6.86
OB	7.23	14.46	21.70	28.93	36.16	OD	1.37	2.74	4.11	5.49	6.86

	0	5	15	25	35	45	55	65	75	85
OA	930.38	929.94	910.70	873.70	821.05	755.14	682.58	603.56	523.06	444.01
OB	930.38	929.94	910.70	873.70	821.05	755.14	682.58	603.56	523.06	444.01
OC	930.38	925.81	887.68	812.33	707.01	580.87	448.65	298.26	148.11	27.57
OD	930.38	925.81	887.68	812.33	707.01	580.87	448.65	298.26	148.11	27.57



H[m]	D[m]	Max lux	Med lux	Alpha=82.1°+82.1°	G=0.0 Máx no a G
1.00	14.46	930	64		
2.00	28.93	233	16		
3.00	43.39	103	7		
4.00	57.86	58	4		
5.00	72.32	37	3		

H[m]	D[m]	Max lux	Med lux	Beta=53.9°+53.9°	G=0.0 Máx no a G
1.00	2.74	930	64		
2.00	5.49	233	16		
3.00	8.23	103	7		
4.00	10.97	58	4		
5.00	13.71	37	3		

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Flujo Total=4220.07 Flujo Luminaria=4220.07

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	0.69	0.74	0.78	0.87	0.93
RC	7	7	7	7	7	7	7	7	7	7	7	7

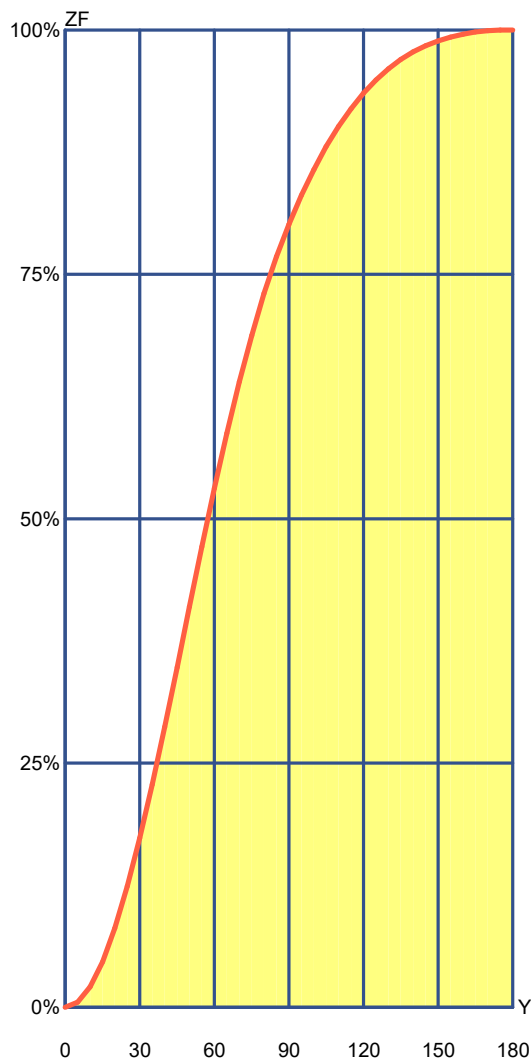
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	81	173	287	410	531	640	731	801	857	901	935	960	978	989	996	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 19.86823 %  
BLF 1.0

LOR 100.00000 %  
ULOR 19.86823 %  
DLOR 80.13177 %  
UFF 19.86823 %  
DFF 80.13177 %  
FFR 24.79444 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.26	5.26	0.53 %	0.53 %
10°	15.63	20.90	1.56 %	2.09 %
15°	25.52	46.41	2.55 %	4.64 %
20°	34.62	81.03	3.46 %	8.10 %
25°	42.64	123.67	4.26 %	12.37 %
30°	49.53	173.20	4.95 %	17.32 %
35°	54.83	228.03	5.48 %	22.80 %
40°	58.78	286.81	5.88 %	28.68 %
45°	61.17	347.99	6.12 %	34.80 %
50°	61.92	409.91	6.19 %	40.99 %
55°	61.52	471.43	6.15 %	47.14 %
60°	59.39	530.82	5.94 %	53.08 %
65°	56.52	587.34	5.65 %	58.73 %
70°	52.56	639.90	5.26 %	63.99 %
75°	47.72	687.63	4.77 %	68.76 %
80°	42.90	730.53	4.29 %	73.05 %
85°	37.62	768.15	3.76 %	76.81 %
90°	33.17	801.32	3.32 %	80.13 %
95°	29.54	830.86	2.95 %	83.09 %
100°	26.37	857.23	2.64 %	85.72 %
105°	23.47	880.71	2.35 %	88.07 %
110°	20.69	901.40	2.07 %	90.14 %
115°	18.19	919.59	1.82 %	91.96 %
120°	15.78	935.37	1.58 %	93.54 %
125°	13.58	948.95	1.36 %	94.90 %
130°	11.44	960.39	1.14 %	96.04 %
135°	9.45	969.84	0.94 %	96.98 %
140°	7.77	977.61	0.78 %	97.76 %
145°	6.32	983.93	0.63 %	98.39 %
150°	5.08	989.01	0.51 %	98.90 %
155°	3.96	992.97	0.40 %	99.30 %
160°	2.95	995.92	0.29 %	99.59 %
165°	2.10	998.02	0.21 %	99.80 %
170°	1.32	999.34	0.13 %	99.93 %
175°	0.56	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

