

Luminaria

Código O-LN S 80

Nombre OH-LINE 80

Ensayo

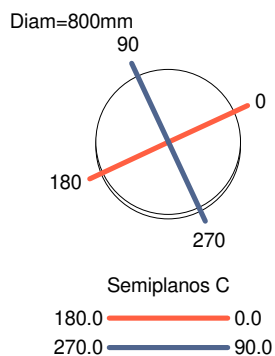
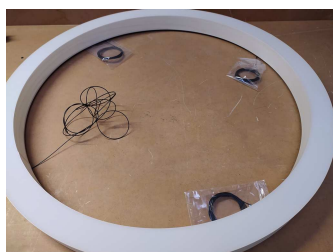
Código CL135A21F001G

Nombre OH-LINE 80

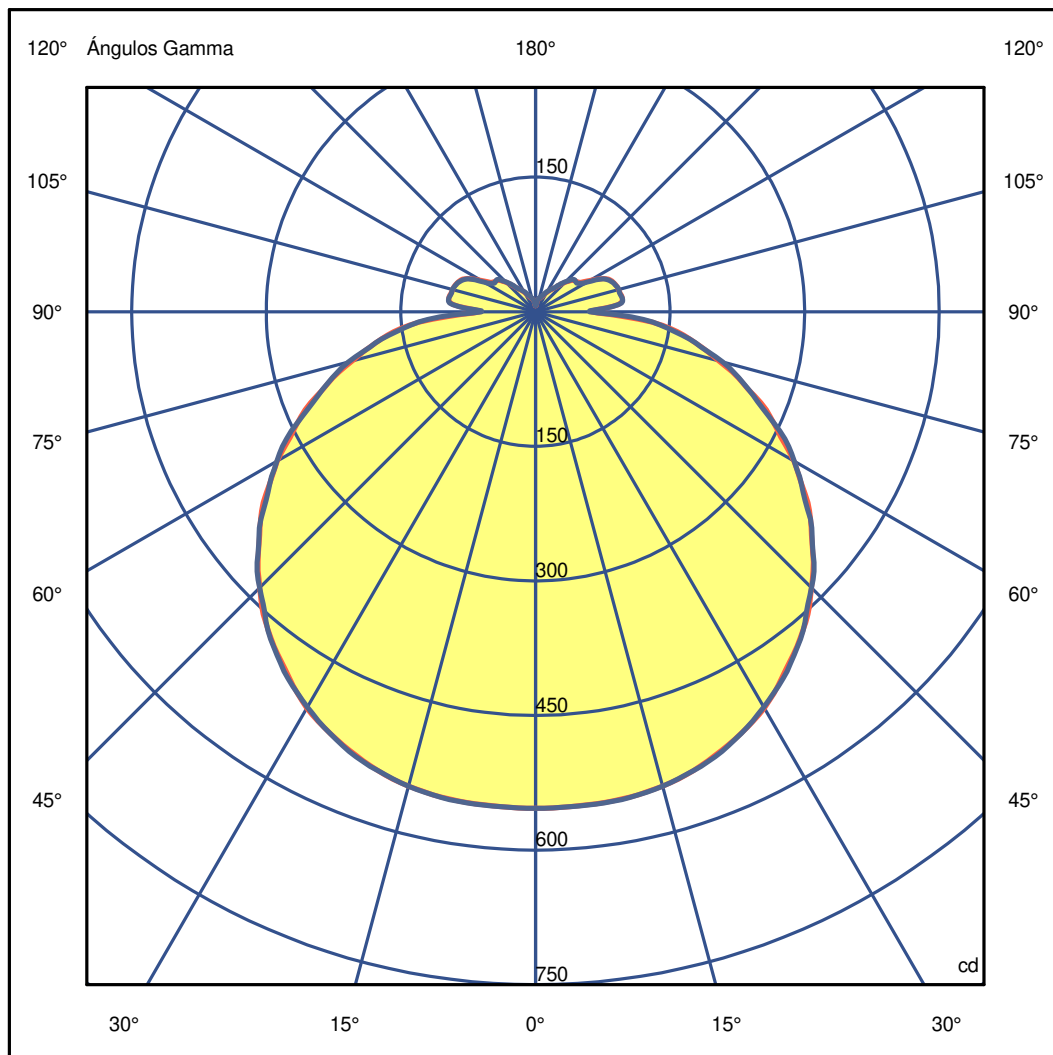
Flujo Luminaria	2469.29 lm	Potencia Luminaria	51.58 W	Eficacia	47.87 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Redonda		Diam.	800 mm	Altura	50 mm		
Área Luminosa Redonda		Diam.	798 mm	Altura	0 mm		
Área Luminosa Horizontal		0.500145 m2		Área Emisión sobre Pl. 180°		0.000000 m2	
Área Emisión sobre Pl. 0°		0.000000 m2		Área Emisión sobre Pl. 270°		0.000000 m2	
Área Emisión sobre Pl. 90°		0.000000 m2		Área de deslumbramiento a 76°		0.120996 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		22-02-2021		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		2469.29 lm	
Operador		ASSELUM		Tensión Nominal		230.16 V	
Temperatura		25.30 °C		Corriente Nominal		0.23 A	
Humedad		41.70 %		Fotocélula		Prc	
Notas		RM21021203					

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	LED strip 3000K	LED strip 3000K	2469.29	51.58	1
C.I.E.	39 69 89 84 100	D DIN 5040	B21		
F UTE	0.84 G + 0.16 T	B NBN	BZ 6		



ULOR 16.08 %
DLOR 83.92 %
RN 16.08 %



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Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 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	553.41	553.35	553.30	553.27	553.30	553.35	553.38
G 2.5	553.14	553.10	553.11	553.14	553.14	553.12	553.11
G 5.0	552.65	552.68	552.75	552.83	552.86	552.88	552.89
G 7.5	552.22	552.20	552.25	552.35	552.48	552.59	552.63
G 10.0	551.42	551.31	551.30	551.39	551.58	551.77	551.86
G 12.5	549.75	549.60	549.58	549.66	549.79	549.92	549.97
G 15.0	547.20	547.03	547.05	547.16	547.27	547.36	547.40
G 17.5	543.80	543.57	543.52	543.49	543.40	543.28	543.22
G 20.0	538.43	538.13	538.09	538.24	538.51	538.78	538.90
G 22.5	532.02	531.44	531.28	531.57	532.26	532.99	533.34
G 25.0	525.45	524.97	524.89	525.09	525.42	525.73	525.86
G 27.5	518.31	517.83	517.81	517.96	518.03	518.03	518.02
G 30.0	509.88	509.60	509.82	509.93	509.49	508.86	508.53
G 32.5	498.80	498.20	498.10	498.30	498.61	498.88	499.00
G 35.0	486.35	485.49	485.33	485.89	487.07	488.29	488.84
G 37.5	475.45	474.70	474.66	475.04	475.57	476.03	476.23
G 40.0	463.54	462.86	462.92	463.30	463.65	463.87	463.95
G 42.5	450.69	450.35	450.78	450.91	450.00	448.73	448.08
G 45.0	434.69	433.83	433.75	434.10	434.52	434.86	435.01
G 47.5	419.78	417.30	416.38	417.40	418.75	420.28	421.01
G 50.0	402.37	401.44	401.44	401.88	402.31	402.61	402.72
G 52.5	386.64	385.82	386.03	386.64	387.10	387.33	387.40
G 55.0	370.63	370.28	370.75	370.73	369.32	367.47	366.55
G 57.5	349.78	349.70	350.93	351.97	351.73	350.82	350.29
G 60.0	332.31	330.34	329.77	330.20	331.21	332.24	332.72
G 62.5	310.83	310.02	310.51	311.87	313.61	315.14	315.79
G 65.0	292.92	292.36	292.92	293.63	293.74	293.48	293.29
G 67.5	275.15	274.84	275.40	275.42	273.97	272.04	271.07
G 70.0	252.08	252.75	255.01	256.50	255.60	253.58	252.46
G 72.5	233.45	233.30	234.10	234.91	235.07	234.82	234.63
G 75.0	211.26	210.33	210.80	212.16	213.86	215.32	215.94
G 77.5	193.02	192.54	193.12	193.70	193.50	192.91	192.56
G 80.0	174.58	173.98	174.44	174.98	174.90	174.46	174.19
G 82.5	155.58	155.19	155.57	155.49	154.15	152.39	151.52
G 85.0	129.87	128.89	128.97	129.58	130.25	130.76	130.97
G 87.5	90.06	88.43	89.40	91.97	95.13	97.81	98.95
G 90.0	62.26	65.88	70.34	72.14	68.40	63.13	60.42
G 92.5	71.52	73.17	73.86	73.91	73.63	73.27	73.09
G 95.0	91.84	90.34	88.32	86.61	88.82	91.87	93.04
G 97.5	97.31	96.18	95.02	94.68	95.62	97.03	97.91
G100.0	97.79	96.53	95.30	94.83	95.56	96.75	97.38
G102.5	96.48	95.59	94.77	94.34	94.81	95.57	96.07
G105.0	95.68	94.73	93.84	93.41	94.17	95.33	95.93
G107.5	94.88	93.30	91.99	91.21	92.22	93.76	94.61
G110.0	93.23	89.14	85.69	83.54	86.21	90.59	92.89
G112.5	91.25	82.85	73.81	70.26	76.00	85.35	90.25
G115.0	87.07	76.55	65.69	61.67	68.84	80.27	86.25
G117.5	79.40	71.66	64.47	62.06	66.92	74.47	78.39
G120.0	70.23	69.16	69.03	68.87	67.97	66.85	66.30
G122.5	61.66	65.79	70.77	72.53	68.51	62.33	59.12
G125.0	57.81	62.67	67.78	69.41	65.27	59.02	55.80
G127.5	56.41	59.86	63.19	64.26	61.76	57.95	55.99
G130.0	54.39	56.25	58.05	58.85	58.06	56.63	55.86
G132.5	50.77	52.12	53.52	54.25	53.80	52.85	52.45
G135.0	46.55	47.93	49.33	49.95	49.23	48.00	47.50
G137.5	42.03	43.23	44.58	45.20	44.51	43.30	42.64
G140.0	36.74	37.82	39.17	39.92	39.52	38.59	38.07
G142.5	33.14	34.16	35.39	35.94	35.25	34.06	33.43
G145.0	30.27	31.17	32.26	32.83	32.42	31.59	31.13
G147.5	27.88	28.56	29.41	29.85	29.51	28.84	28.48
G150.0	25.28	25.73	26.34	26.73	26.67	26.38	26.21
G152.5	22.55	22.77	23.16	23.55	23.81	23.95	23.99
G155.0	20.44	20.64	20.95	21.20	21.22	21.12	21.06
G157.5	18.41	18.69	19.08	19.41	19.58	19.62	19.61
G160.0	17.03	17.37	17.80	18.14	18.26	18.25	18.22
G162.5	15.98	16.07	16.26	16.47	16.67	16.82	16.82
G165.0	15.36	15.40	15.41	15.45	15.51	15.59	15.65
G167.5	14.84	14.36	14.10	14.17	14.65	15.22	15.50
G170.0	13.05	12.96	13.01	13.09	13.09	13.04	13.01
G172.5	10.82	10.79	10.88	10.88	10.65	10.35	10.19
G175.0	8.21	8.19	8.23	8.24	8.18	8.10	8.05
G177.5	7.07	6.97	6.90	6.90	6.97	7.06	7.11
G180.0	6.70	6.66	6.62	6.61	6.66	6.72	6.75

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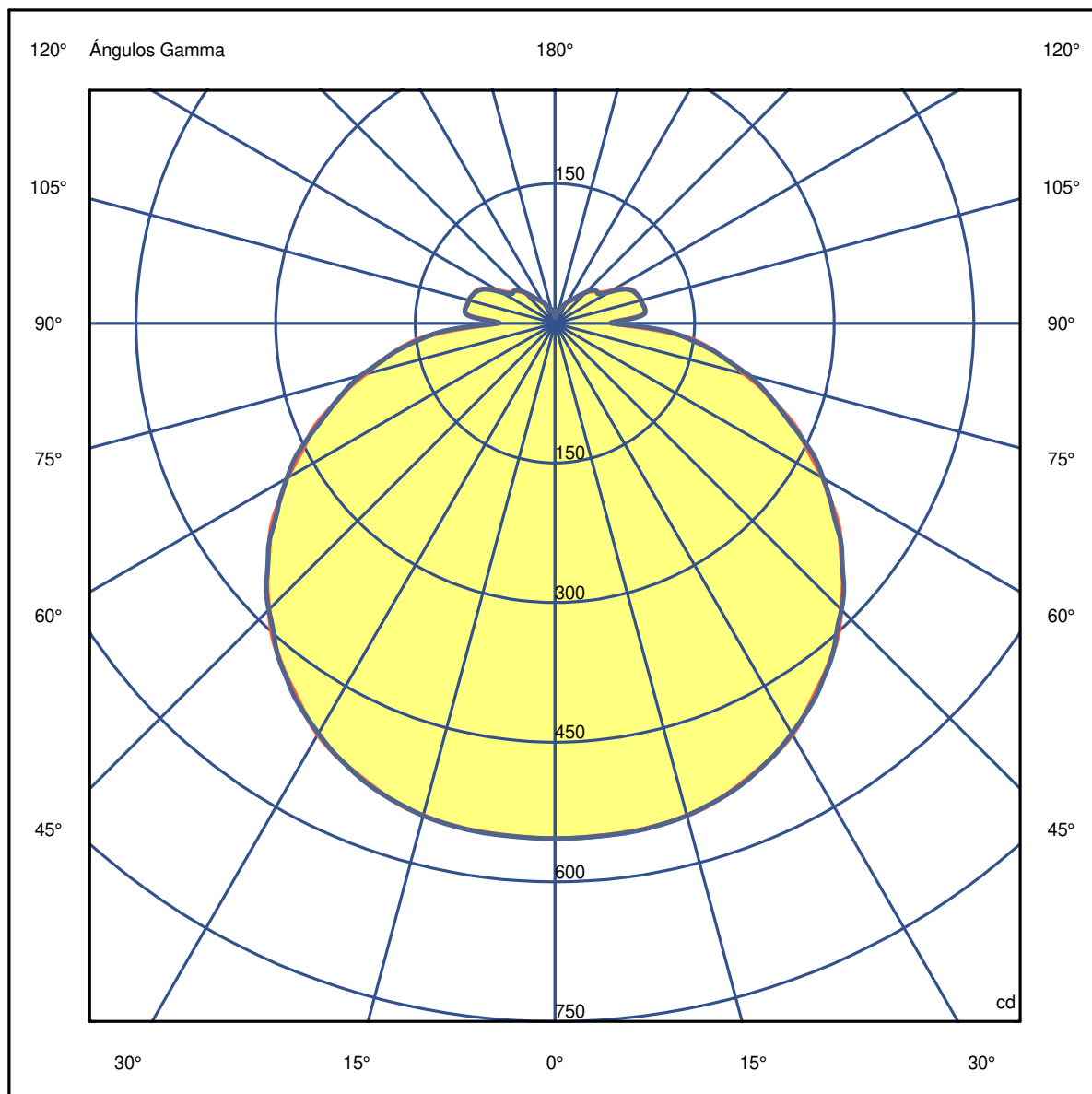
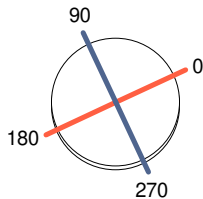
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Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=800mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



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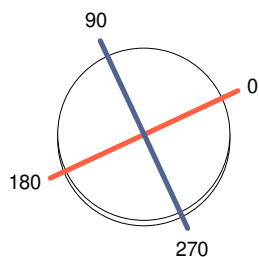
Ensayo

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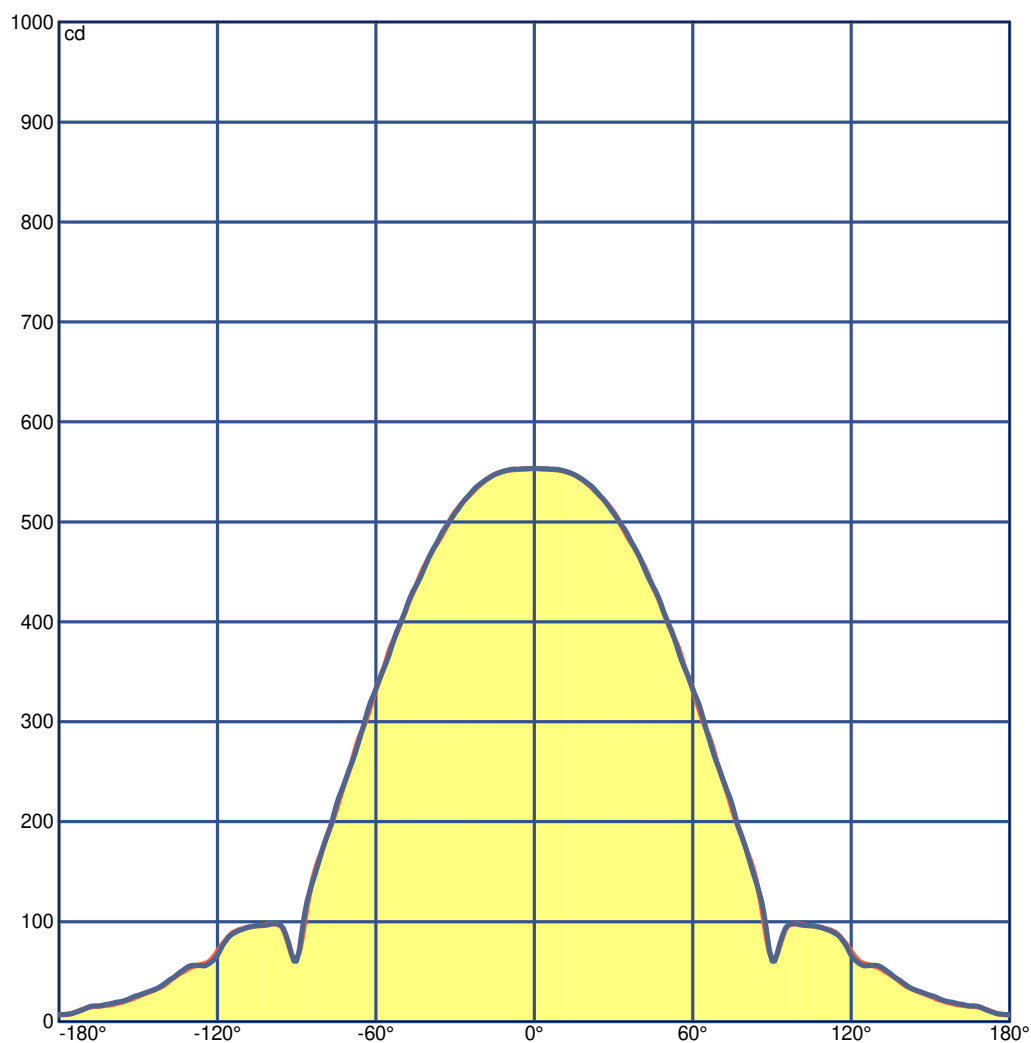
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Diam=800mm



Semiplanos C

180.0 ————— 0.0
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Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 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	12.6	13.8	13.1	14.3	14.9	12.6	13.8	13.1	14.3	14.9
x=2H y=3H	14.7	15.8	15.3	16.4	17.0	14.7	15.9	15.3	16.4	17.0
x=2H y=4H	15.8	16.9	16.4	17.4	18.0	15.8	16.9	16.4	17.5	18.1
x=2H y=6H	16.9	17.9	17.5	18.5	19.1	17.0	17.9	17.5	18.5	19.2
x=2H y=8H	17.5	18.4	18.1	19.0	19.7	17.5	18.4	18.1	19.0	19.7
x=2H y=12H	18.1	19.0	18.7	19.6	20.3	18.1	19.0	18.7	19.6	20.3
x=4H y=2H	13.4	14.4	13.9	15.0	15.6	13.4	14.4	14.0	15.0	15.6
x=4H y=3H	15.8	16.6	16.4	17.2	17.9	15.8	16.7	16.4	17.3	17.9
x=4H y=4H	17.0	17.8	17.6	18.4	19.1	17.0	17.8	17.7	18.5	19.2
x=4H y=6H	18.3	19.0	18.9	19.6	20.4	18.3	19.0	19.0	19.7	20.4
x=4H y=8H	19.0	19.6	19.6	20.3	21.0	19.0	19.6	19.6	20.3	21.0
x=4H y=12H	19.7	20.3	20.3	20.9	21.7	19.7	20.3	20.3	20.9	21.7
x=8H y=4H	17.5	18.2	18.2	18.8	19.5	17.5	18.2	18.2	18.8	19.6
x=8H y=6H	19.0	19.6	19.7	20.3	21.0	19.1	19.6	19.8	20.3	21.1
x=8H y=8H	19.9	20.4	20.6	21.1	21.9	19.9	20.4	20.6	21.1	21.9
x=8H y=12H	20.8	21.2	21.5	21.9	22.7	20.8	21.2	21.5	21.9	22.7
x=12H y=4H	18.4	19.0	19.0	19.6	20.4	18.4	19.0	19.1	19.7	20.4
x=12H y=6H	19.7	20.2	20.4	20.9	21.7	19.7	20.2	20.4	20.9	21.7
x=12H y=8H	20.6	21.0	21.3	21.7	22.5	20.5	21.0	21.3	21.7	22.5

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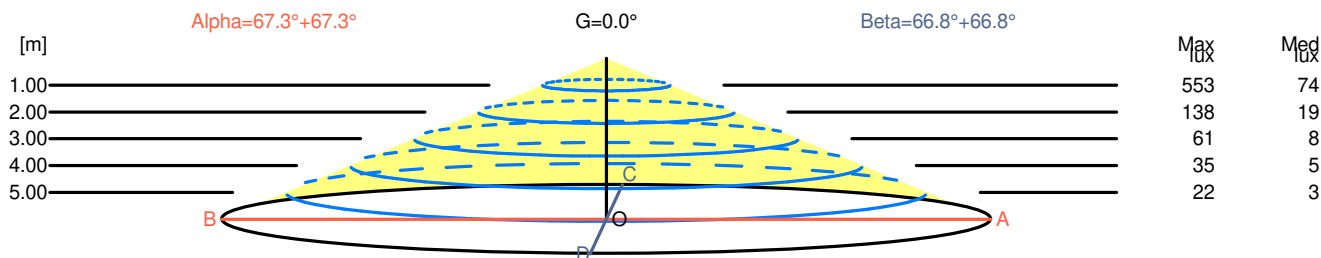
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Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	

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	2.39	4.78	7.17	9.56	11.95	OC	2.34	4.67	7.01	9.35	11.68
OB	2.39	4.78	7.17	9.56	11.95	OD	2.34	4.67	7.01	9.35	11.68

	0	5	15	25	35	45	55	65	75	85
OA	553.41	552.65	547.20	525.45	486.35	434.69	370.63	292.92	211.26	129.87
OB	553.41	552.65	547.20	525.45	486.35	434.69	370.63	292.92	211.26	129.87
OC	553.38	552.89	547.40	525.86	488.84	435.01	366.55	293.29	215.94	130.97
OD	553.38	552.89	547.40	525.86	488.84	435.01	366.55	293.29	215.94	130.97



H[m]	D[m]	Max lux	Med lux	Alpha=67.3°+67.3°	G=0.0
1.00	4.78	553	74		
2.00	9.56	138	19		
3.00	14.34	61	8		
4.00	19.12	35	5		
5.00	23.90	22	3		

H[m]	D[m]	Max lux	Med lux	Beta=66.8°+66.8°	G=0.0
1.00	4.67	553	74		
2.00	9.35	138	19		
3.00	14.02	61	8		
4.00	18.69	35	5		
5.00	23.37	22	3		

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Flujo Total=2469.29 Flujo Luminaria=2469.29

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	0.25	0.32	0.39	0.46	0.52	0.60	0.66	0.71	0.76	0.80	0.89	0.94
RC	6	7	7	7	7	7	7	7	7	7	7	7

Flujo Zonal por 1000 Lúmenes

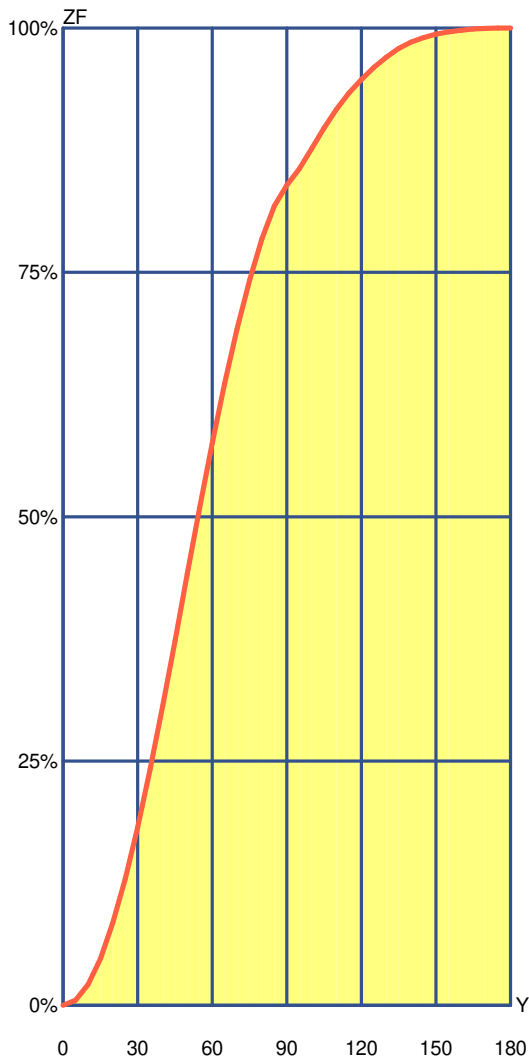
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	84	182	306	442	575	693	784	839	877	917	947	970	986	994	998	1000	1000

Códigos de Flujo C.I.E.

39 69 89 84 100

C.I.E. 67777777777777
D DIN 5040 B21
F UTE 0.84 G + 0.16 T
B NBN BZ 6
RN 16.08255 %
BLF 1.0

LOR 100.00000 %
ULOR 16.08255 %
DLOR 83.91745 %
UFF 16.08255 %
DFF 83.91745 %
FFR 19.16473 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.35	5.35	0.54 %	0.54 %
10°	16.00	21.35	1.60 %	2.14 %
15°	26.40	47.75	2.64 %	4.78 %
20°	36.24	84.00	3.62 %	8.40 %
25°	45.17	129.17	4.52 %	12.92 %
30°	53.05	182.22	5.30 %	18.22 %
35°	59.41	241.62	5.94 %	24.16 %
40°	64.19	305.81	6.42 %	30.58 %
45°	67.38	373.18	6.74 %	37.32 %
50°	68.43	441.62	6.84 %	44.16 %
55°	67.99	509.61	6.80 %	50.96 %
60°	65.61	575.22	6.56 %	57.52 %
65°	61.46	636.68	6.15 %	63.67 %
70°	56.16	692.85	5.62 %	69.28 %
75°	49.51	742.36	4.95 %	74.24 %
80°	41.89	784.25	4.19 %	78.42 %
85°	33.73	817.97	3.37 %	81.80 %
90°	21.20	839.17	2.12 %	83.92 %
95°	16.82	855.99	1.68 %	85.60 %
100°	20.79	876.78	2.08 %	87.68 %
105°	20.65	897.43	2.06 %	89.74 %
110°	19.50	916.92	1.95 %	91.69 %
115°	16.46	933.39	1.65 %	93.34 %
120°	13.84	947.23	1.38 %	94.72 %
125°	12.42	959.65	1.24 %	95.97 %
130°	10.65	970.30	1.06 %	97.03 %
135°	8.67	978.97	0.87 %	97.90 %
140°	6.57	985.54	0.66 %	98.55 %
145°	4.73	990.28	0.47 %	99.03 %
150°	3.47	993.75	0.35 %	99.37 %
155°	2.42	996.16	0.24 %	99.62 %
160°	1.65	997.81	0.16 %	99.78 %
165°	1.11	998.92	0.11 %	99.89 %
170°	0.70	999.61	0.07 %	99.96 %
175°	0.31	999.93	0.03 %	99.99 %
180°	0.07	1000.00	0.01 %	100.00 %

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Flujo Fuentes de luz	2469.29 lm	Valor Máximo	553.41 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

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

