

Luminaria

Código 10401303135
Nombre Valentina M/29

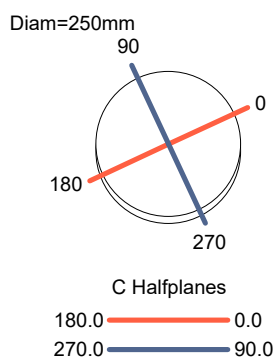
Ensayo

Código CL092A20F013G
Nombre Valentina M/29

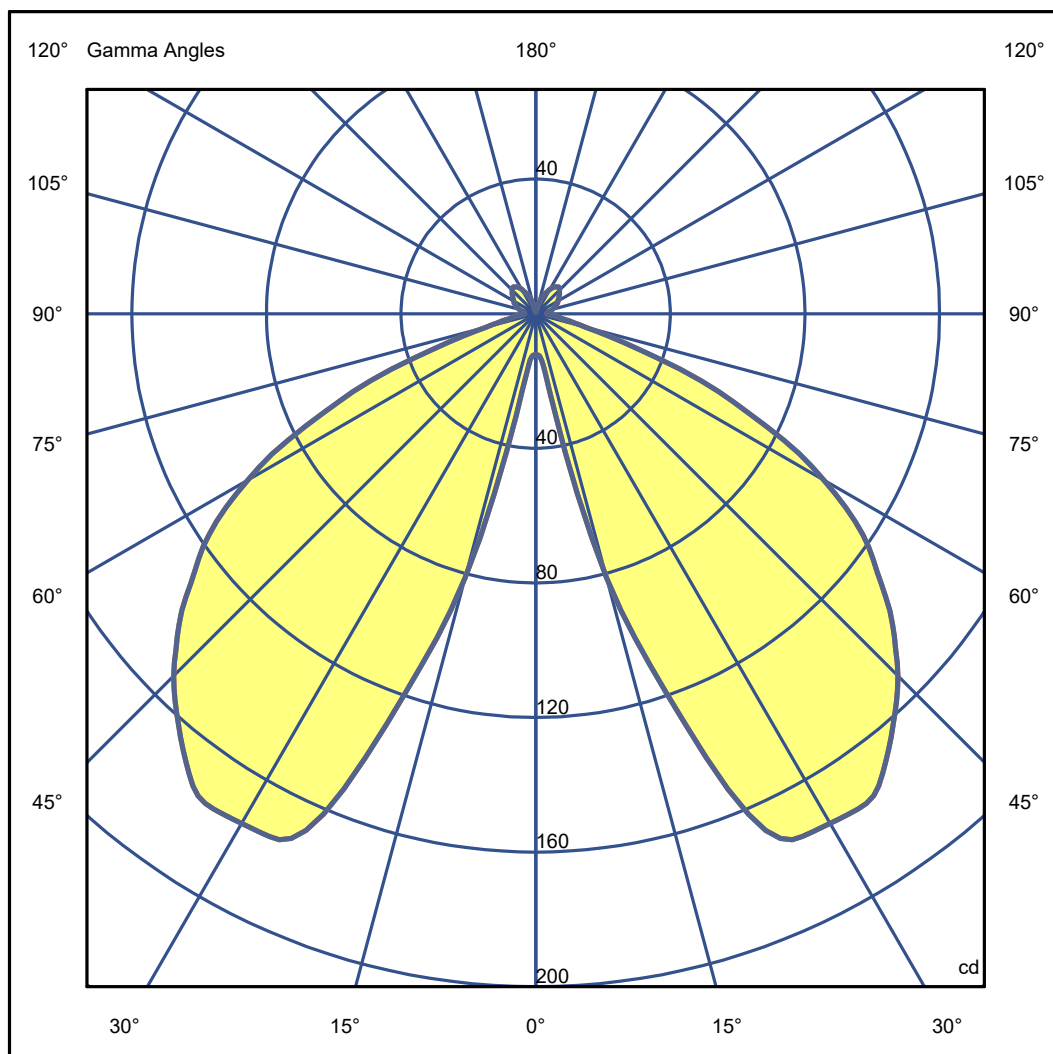
Flujo Luminaria	587.41 lm	Potencia Luminaria	9.32 W	Eficacia	63.01 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	587.41 lm	Valor Máximo	178.42 cd	Posición	C=45.00 G=30.00	CG	Bisimétrico
Luminaria Redonda		Diam.	250 mm	Altura	45 mm		
Área Luminosa Redonda		Diam.	90 mm	Altura	0 mm		
Área Luminosa Horizontal		0.006362 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°		0.001539 m2	
Sist. de Coordin.		CG		Tipo de Simetría		Bisimétrico	
Fecha		11-11-2020		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		587.41 lm	
Operador		ASSELUM		Tensión Nominal		230.21 V	
Temperatura		25.50 °C		Corriente Nominal		0.11 A	
Humedad		41.50 %		Fotocélula		Prc	
Notas		RM20101407					

Fuentes de luz de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E. F UTE	41 80 97 93 100 0.93 F + 0.07 T	D DIN 5040 B NBN	587.41 A31 BZ 5	9.32	1



ULOR 7.22 %
DLOR 92.78 %
RN 7.22 %



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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	12.21	12.21	12.21	12.21	12.21	12.21	12.21
G 2.5	12.22	12.34	12.53	12.66	12.53	12.34	12.22
G 5.0	12.59	13.17	13.98	14.44	13.98	13.17	12.59
G 7.5	14.53	16.38	18.37	19.16	18.37	16.38	14.53
G 10.0	22.97	24.30	26.82	28.00	26.82	24.30	22.97
G 12.5	48.32	48.43	48.07	46.23	48.07	48.43	48.32
G 15.0	81.27	79.23	74.62	69.72	74.62	79.23	81.27
G 17.5	105.09	104.91	104.04	102.00	104.04	104.91	105.09
G 20.0	129.73	130.80	132.52	132.65	132.52	130.80	129.73
G 22.5	157.30	156.46	154.45	152.08	154.45	156.46	157.30
G 25.0	172.00	169.75	166.58	164.44	166.58	169.75	172.00
G 27.5	174.43	172.70	171.41	171.00	171.41	172.70	174.43
G 30.0	174.83	175.08	176.71	178.42	176.71	175.08	174.83
G 32.5	175.48	175.43	176.13	177.08	176.13	175.43	175.48
G 35.0	174.93	174.11	173.37	173.25	173.37	174.11	174.93
G 37.5	170.03	169.43	169.04	169.17	169.04	169.43	170.03
G 40.0	164.21	163.58	163.17	163.40	163.17	163.58	164.21
G 42.5	158.32	158.38	158.58	158.98	158.58	158.38	158.32
G 45.0	152.14	152.08	152.07	152.37	152.07	152.08	152.14
G 47.5	144.77	145.04	145.66	146.31	145.66	145.04	144.77
G 50.0	137.33	137.67	138.37	138.95	138.37	137.67	137.33
G 52.5	128.47	129.25	130.80	131.93	130.80	129.25	128.47
G 55.0	120.63	121.39	122.94	124.25	122.94	121.39	120.63
G 57.5	110.93	111.97	114.10	115.77	114.10	111.97	110.93
G 60.0	98.83	100.61	104.12	106.64	104.12	100.61	98.83
G 62.5	85.86	88.34	93.15	96.34	93.15	88.34	85.86
G 65.0	69.59	73.25	80.45	85.52	80.45	73.25	69.59
G 67.5	56.16	59.79	67.06	72.52	67.06	59.79	56.16
G 70.0	38.91	43.95	52.92	60.06	52.92	43.95	38.91
G 72.5	24.70	29.44	39.02	46.47	39.02	29.44	24.70
G 75.0	15.59	19.62	27.75	34.03	27.75	19.62	15.59
G 77.5	10.88	13.14	17.58	20.73	17.58	13.14	10.88
G 80.0	7.94	9.33	12.08	14.03	12.08	9.33	7.94
G 82.5	6.57	7.32	8.79	9.80	8.79	7.32	6.57
G 85.0	5.16	5.61	6.36	6.92	6.36	5.61	5.16
G 87.5	4.17	4.40	4.85	5.19	4.85	4.40	4.17
G 90.0	3.46	3.64	3.98	4.20	3.98	3.64	3.46
G 92.5	3.34	3.47	3.73	3.90	3.73	3.47	3.34
G 95.0	3.57	3.68	3.84	3.91	3.84	3.68	3.57
G 97.5	3.92	4.00	4.14	4.19	4.14	4.00	3.92
G100.0	4.28	4.32	4.40	4.45	4.40	4.32	4.28
G102.5	4.66	4.70	4.79	4.84	4.79	4.70	4.66
G105.0	5.08	5.13	5.22	5.26	5.22	5.13	5.08
G107.5	5.58	5.60	5.63	5.62	5.63	5.60	5.58
G110.0	6.06	6.06	6.08	6.06	6.08	6.06	6.06
G112.5	6.57	6.58	6.58	6.55	6.58	6.58	6.57
G115.0	6.95	6.97	7.00	6.97	7.00	6.97	6.95
G117.5	7.30	7.36	7.47	7.49	7.47	7.36	7.30
G120.0	7.60	7.70	7.88	7.96	7.88	7.70	7.60
G122.5	7.96	8.07	8.27	8.35	8.27	8.07	7.96
G125.0	8.35	8.47	8.68	8.76	8.68	8.47	8.35
G127.5	8.77	8.86	9.06	9.13	9.06	8.86	8.77
G130.0	9.17	9.21	9.38	9.53	9.38	9.21	9.17
G132.5	9.60	9.62	9.75	9.88	9.75	9.62	9.60
G135.0	9.97	10.04	10.16	10.20	10.16	10.04	9.97
G137.5	10.39	10.40	10.42	10.41	10.42	10.40	10.39
G140.0	10.44	10.45	10.48	10.52	10.48	10.45	10.44
G142.5	10.14	10.12	10.22	10.37	10.22	10.12	10.14
G145.0	9.76	9.75	9.85	10.01	9.85	9.75	9.76
G147.5	9.15	9.18	9.37	9.58	9.37	9.18	9.15
G150.0	8.45	8.49	8.69	8.93	8.69	8.49	8.45
G152.5	7.48	7.61	7.91	8.24	7.91	7.61	7.48
G155.0	6.73	6.81	6.99	7.21	6.99	6.81	6.73
G157.5	5.93	5.92	6.05	6.27	6.05	5.92	5.93
G160.0	5.11	5.06	5.11	5.29	5.11	5.06	5.11
G162.5	4.01	4.02	4.14	4.32	4.14	4.02	4.01
G165.0	2.89	2.93	3.04	3.19	3.04	2.93	2.89
G167.5	1.87	1.93	2.05	2.16	2.05	1.93	1.87
G170.0	1.10	1.17	1.29	1.38	1.29	1.17	1.10
G172.5	0.82	0.83	0.84	0.84	0.84	0.83	0.82
G175.0	0.68	0.67	0.64	0.61	0.64	0.67	0.68
G177.5	0.59	0.59	0.59	0.59	0.59	0.59	0.59
G180.0	0.60	0.60	0.60	0.60	0.60	0.60	0.60

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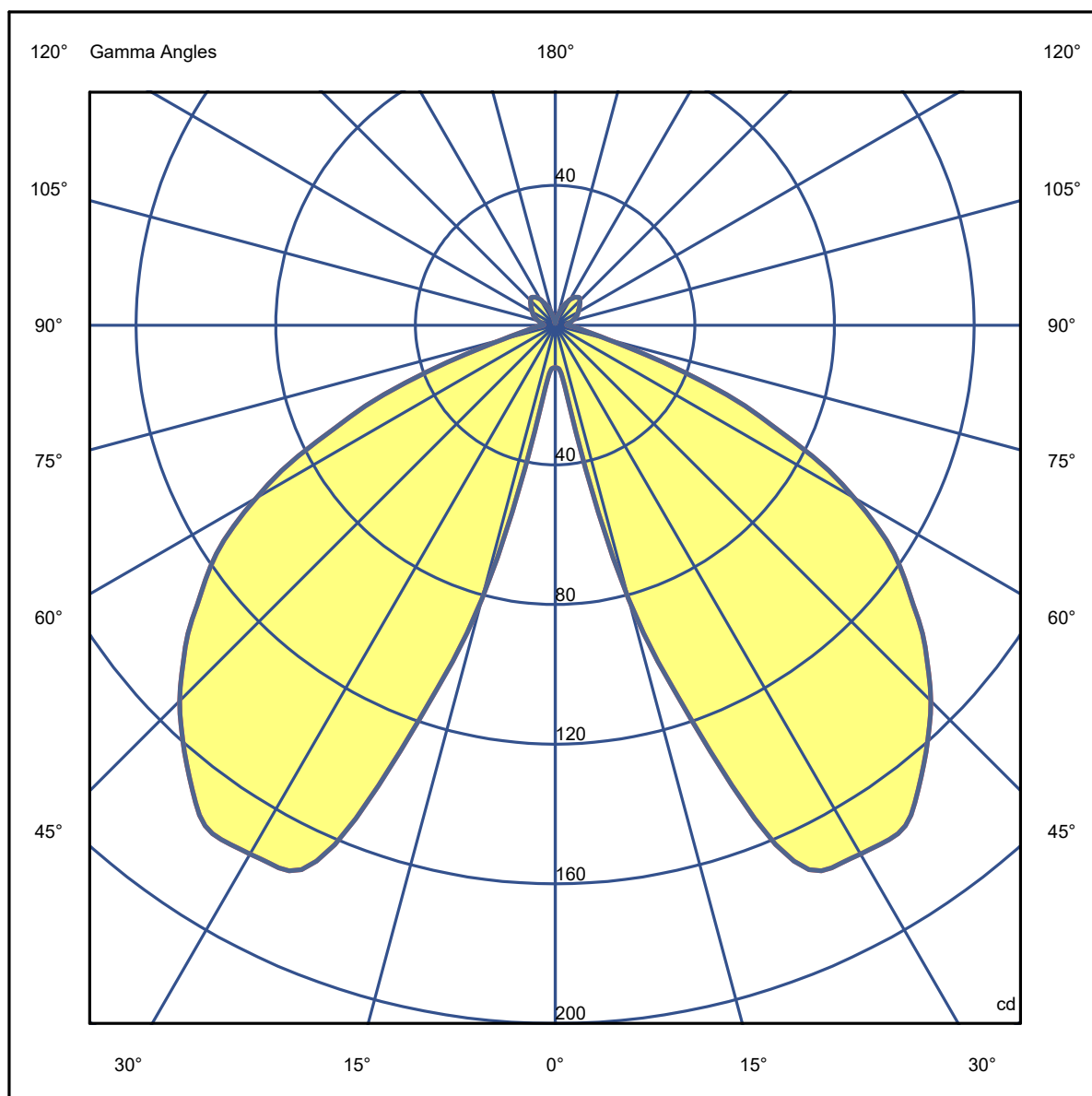
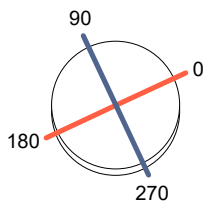
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Diam=250mm

C Halfplanes

180.0 — 0.0
270.0 — 90.0



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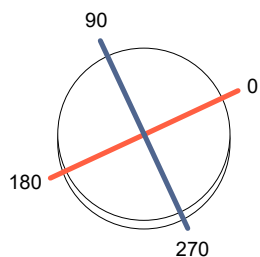
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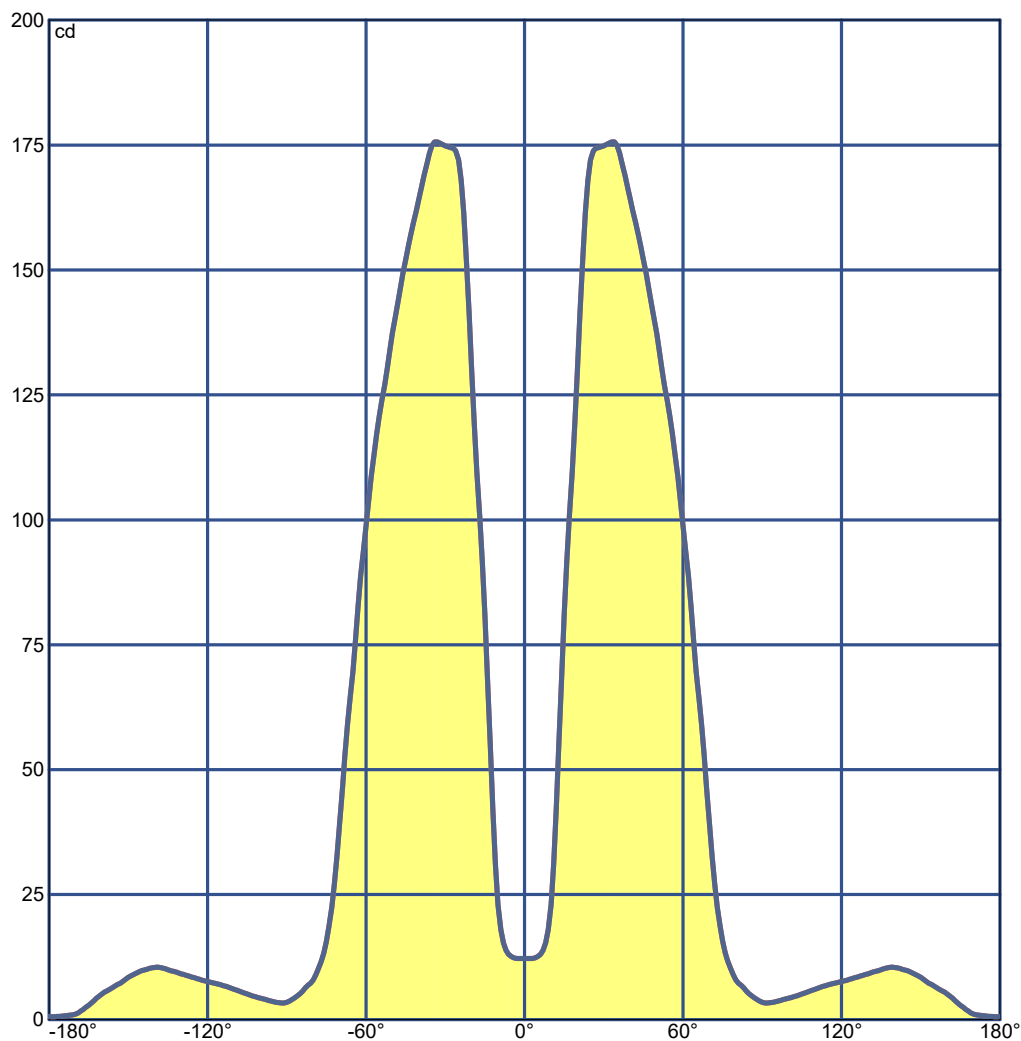
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Diam=250mm



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180.0 ————— 0.0
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Flujo Fuentes de luz	587.41 lm	Valor Máximo	178.42 cd	Posición	C=45.00 G=30.00	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										
Mista Lateral						Vista Longitudinal				
x=2H y=2H	25.0	26.2	25.4	26.6	27.0	25.0	26.2	25.4	26.6	27.0
x=2H y=3H	25.9	27.1	26.3	27.4	27.9	25.9	27.1	26.3	27.4	27.9
x=2H y=4H	26.0	27.1	26.4	27.5	27.9	26.0	27.1	26.4	27.5	27.9
x=2H y=6H	26.0	27.0	26.5	27.4	27.9	26.0	27.0	26.5	27.4	27.9
x=2H y=8H	26.0	26.9	26.5	27.4	27.9	26.0	26.9	26.5	27.4	27.9
x=2H y=12H	26.0	26.9	26.4	27.3	27.8	26.0	26.9	26.4	27.3	27.8
x=4H y=2H	25.6	26.7	26.1	27.1	27.6	25.6	26.7	26.1	27.1	27.6
x=4H y=3H	26.8	27.7	27.2	28.1	28.6	26.8	27.7	27.2	28.1	28.6
x=4H y=4H	26.9	27.7	27.4	28.2	28.7	26.9	27.7	27.4	28.2	28.7
x=4H y=6H	27.0	27.6	27.5	28.2	28.7	27.0	27.6	27.5	28.2	28.7
x=4H y=8H	27.0	27.6	27.5	28.1	28.7	27.0	27.6	27.5	28.1	28.7
x=4H y=12H	27.0	27.6	27.5	28.1	28.7	27.0	27.6	27.5	28.1	28.7
x=8H y=4H	27.1	27.7	27.6	28.2	28.8	27.1	27.7	27.6	28.2	28.8
x=8H y=6H	27.2	27.7	27.7	28.3	28.9	27.2	27.7	27.7	28.3	28.9
x=8H y=8H	27.2	27.7	27.8	28.2	28.9	27.2	27.7	27.8	28.2	28.9
x=8H y=12H	27.3	27.7	27.9	28.3	28.9	27.3	27.7	27.9	28.3	28.9
x=12H y=4H	27.1	27.7	27.7	28.3	28.8	27.1	27.7	27.7	28.3	28.8
x=12H y=6H	27.3	27.7	27.8	28.3	28.9	27.3	27.7	27.8	28.3	28.9
x=12H y=8H	27.3	27.7	27.9	28.3	29.0	27.3	27.7	27.9	28.3	29.0

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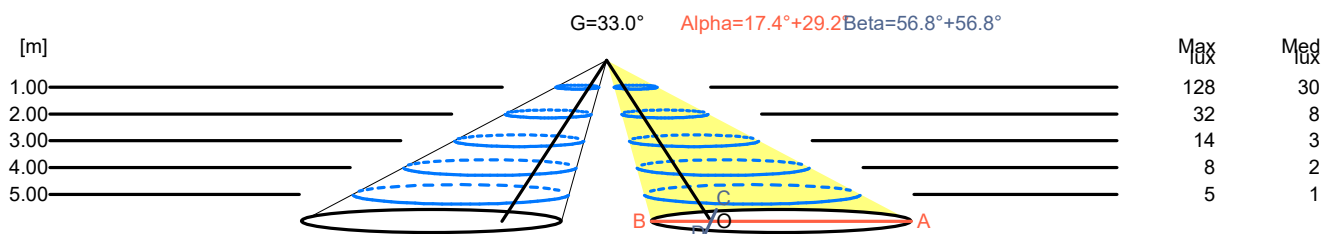
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Flujo Fuentes de luz	587.41 lm	Valor Máximo	178.42 cd	Posición	C=45.00 G=30.00	CG Bisimétrico	

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	1.24	2.49	3.73	4.98	6.22	OC	1.82	3.64	5.47	7.29	9.11
OB	0.37	0.74	1.11	1.48	1.85	OD	1.82	3.64	5.47	7.29	9.11

	0	5	15	25	35	45	55	65	75	85
OA	12.21	12.59	81.27	172.00	174.93	152.14	120.63	69.59	15.59	5.16
OB	12.21	12.59	81.27	172.00	174.93	152.14	120.63	69.59	15.59	5.16
OC	12.21	12.59	81.27	172.00	174.93	152.14	120.63	69.59	15.59	5.16
OD	12.21	12.59	81.27	172.00	174.93	152.14	120.63	69.59	15.59	5.16



H[m]	D[m]	Max lux	Med lux	Alpha=17.4°+29.2°	G=33.0
1.00	1.61	128	30		
2.00	3.23	32	8		
3.00	4.84	14	3		
4.00	6.45	8	2		
5.00	8.07	5	1		

H[m]	D[m]	Max lux	Med lux	Beta=56.8°+56.8°	G=0.0
1.00	3.64	128	30		
2.00	7.29	32	8		
3.00	10.93	14	3		
4.00	14.58	8	2		
5.00	18.22	5	1		

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Total Flux=587.41 Luminaire Flux=587.41

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	0.35	0.43	0.51	0.57	0.67	0.73	0.77	0.82	0.86	0.92	0.96
RC	6	6	6	5	5	5	5	5	5	5	5	5

Zonal Flux per 1000 Lumen

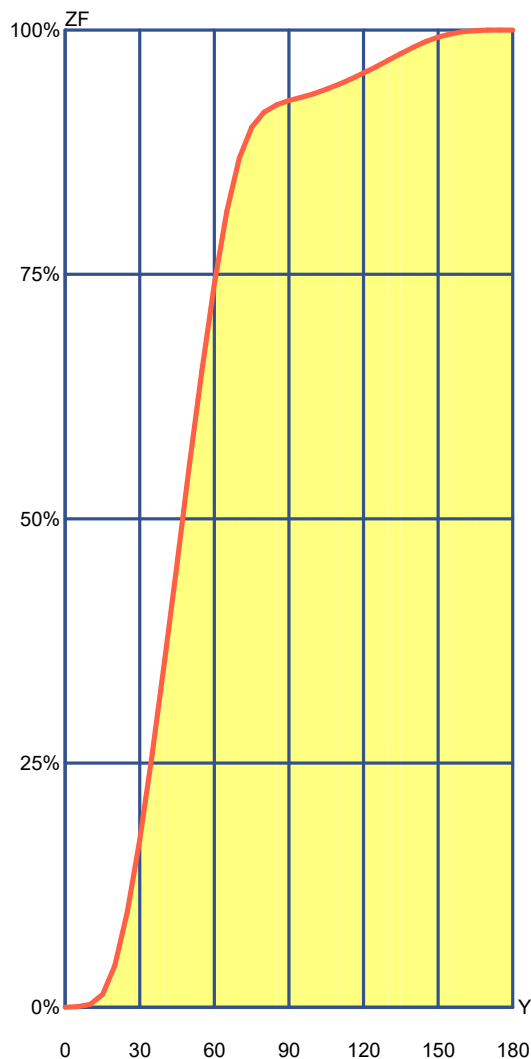
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	3	43	171	355	555	740	869	916	928	935	944	956	969	982	993	998	1000	1000

CIE Flux Codes

41 80 97 93 100

C.I.E. 6/6/6/5/5/5/5/5/5/5/5
D DIN 5040 A31
F UTE 0.93 F + 0.07 T
B NBN BZ 5
RN 7.22029 %
BLF 1.0

LOR 100.00000 %
ULOR 7.22029 %
DLOR 92.77971 %
UFF 7.22029 %
DFF 92.77971 %
FFR 7.78219 %



Zonal Flux				
Gamma °	Flux	Sum lm	Flux [%]	Sum [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.52	0.52	0.05 %	0.05 %
10°	2.30	2.82	0.23 %	0.28 %
15°	10.24	13.06	1.02 %	1.31 %
20°	29.47	42.53	2.95 %	4.25 %
25°	54.64	97.17	5.46 %	9.72 %
30°	74.24	171.41	7.42 %	17.14 %
35°	87.97	259.38	8.80 %	25.94 %
40°	95.97	355.35	9.60 %	35.54 %
45°	99.68	455.03	9.97 %	45.50 %
50°	99.88	554.91	9.99 %	55.49 %
55°	96.28	651.19	9.63 %	65.12 %
60°	88.68	739.88	8.87 %	73.99 %
65°	74.70	814.58	7.47 %	81.46 %
70°	54.55	869.13	5.45 %	86.91 %
75°	31.60	900.73	3.16 %	90.07 %
80°	14.99	915.72	1.50 %	91.57 %
85°	7.63	923.35	0.76 %	92.33 %
90°	4.45	927.80	0.45 %	92.78 %
95°	3.45	931.24	0.34 %	93.12 %
100°	3.76	935.00	0.38 %	93.50 %
105°	4.33	939.33	0.43 %	93.93 %
110°	5.00	944.33	0.50 %	94.43 %
115°	5.64	949.97	0.56 %	95.00 %
120°	6.12	956.09	0.61 %	95.61 %
125°	6.43	962.52	0.64 %	96.25 %
130°	6.62	969.14	0.66 %	96.91 %
135°	6.67	975.81	0.67 %	97.58 %
140°	6.52	982.33	0.65 %	98.23 %
145°	5.78	988.11	0.58 %	98.81 %
150°	4.65	992.76	0.47 %	99.28 %
155°	3.36	996.12	0.34 %	99.61 %
160°	2.16	998.28	0.22 %	99.83 %
165°	1.16	999.44	0.12 %	99.94 %
170°	0.42	999.86	0.04 %	99.99 %
175°	0.11	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Flujo Fuentes de luz	587.41 lm	Valor Máximo	178.42 cd	Posición	C=45.00 G=30.00	CG	Bisimétrico

Isolux (Suelo)

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

