

Luminaria

Código TAM TAM + 3 SATEL
Nombre TAM TAM 9x8W FBT+3 satel opal

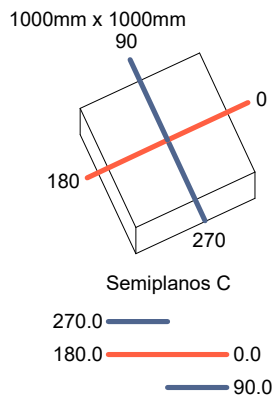
Ensayo

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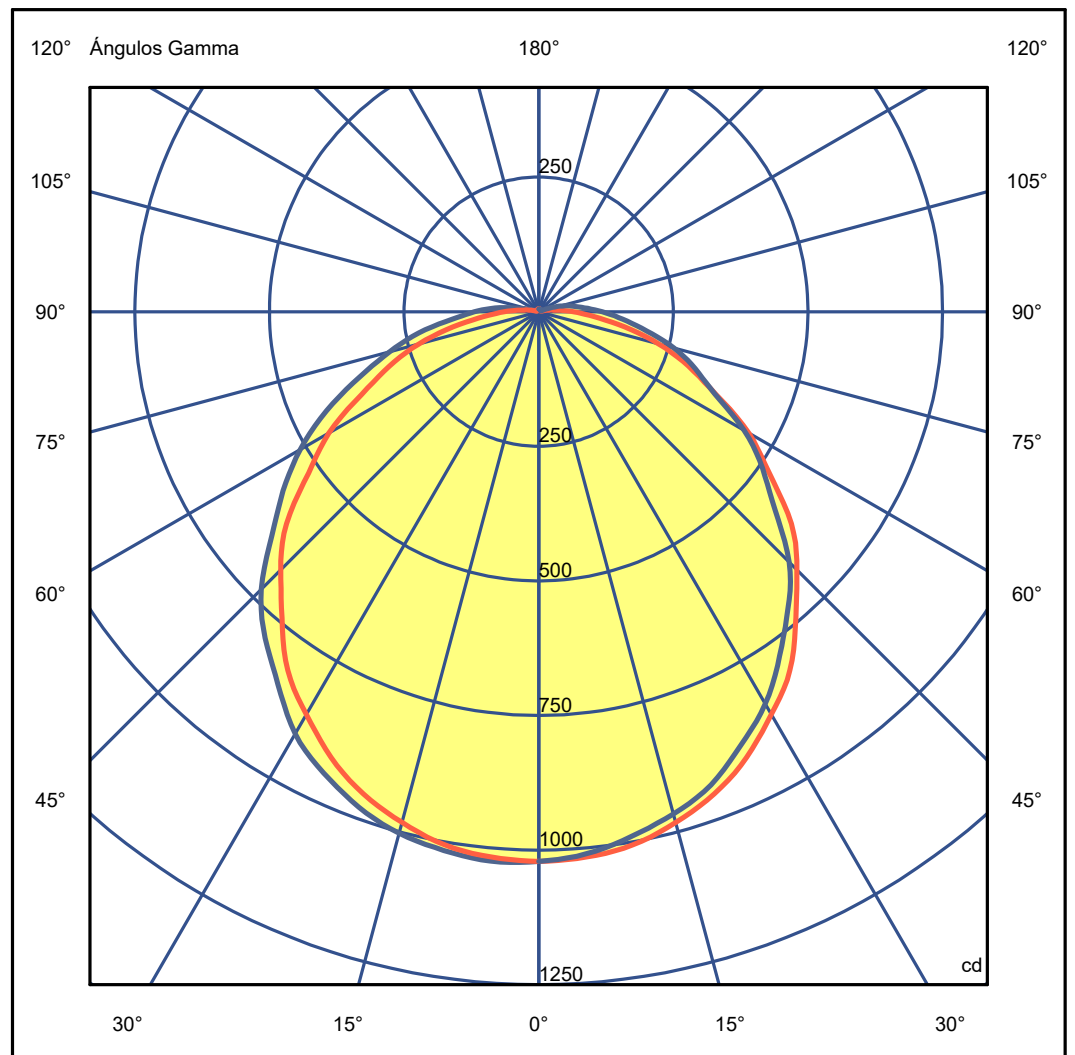
Flujo Luminaria	3176.37 lm	Potencia Luminaria	72.00 W	Eficacia	44.12 lm/W	Eficiencia	43.79%
Flujo Fuentes de luz	7254.00 lm	Valor Máximo	1027.81 cd	Posición	C=285.00 G=5.00	CG	Sim. en los planos 270-90
Luminaria Rectangular	Longit.	1000 mm	Longit.	1000 mm	Altura	300 mm	
Área Luminosa Rectangular	Longit.	980 mm	Longit.	980 mm	Altura	0 mm	
Área Luminosa Horizontal	0.960400 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°	0.232342 m2		
Sist. de Coordn.	CG			Tipo de Simetría		Sim. en los planos 270-90	
Fecha	13-04-2023			Máximo Ángulo Gamma		180	
Distancia de Ensayo	0.00			Flujo de Ensayo		9900.00 lm	
Operador	Asselum T2			Tensión Nominal			
Temperatura	25.00 °C			Corriente Nominal			
Humedad	60.00 %			Fotocélula			
Notas							

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	Philips Corepro LEDbulb E27	Philips Corepro LEDbulb E27 Pera Mate	806.00	8.00	9
C.I.E.	45 75 92 97 44	D DIN 5040	A31		
F UTE	0.42 E + 0.01 T	B NBN	BZ 5		



ULOR 1.48 %
DLOR 42.30 %
RN 3.39 %



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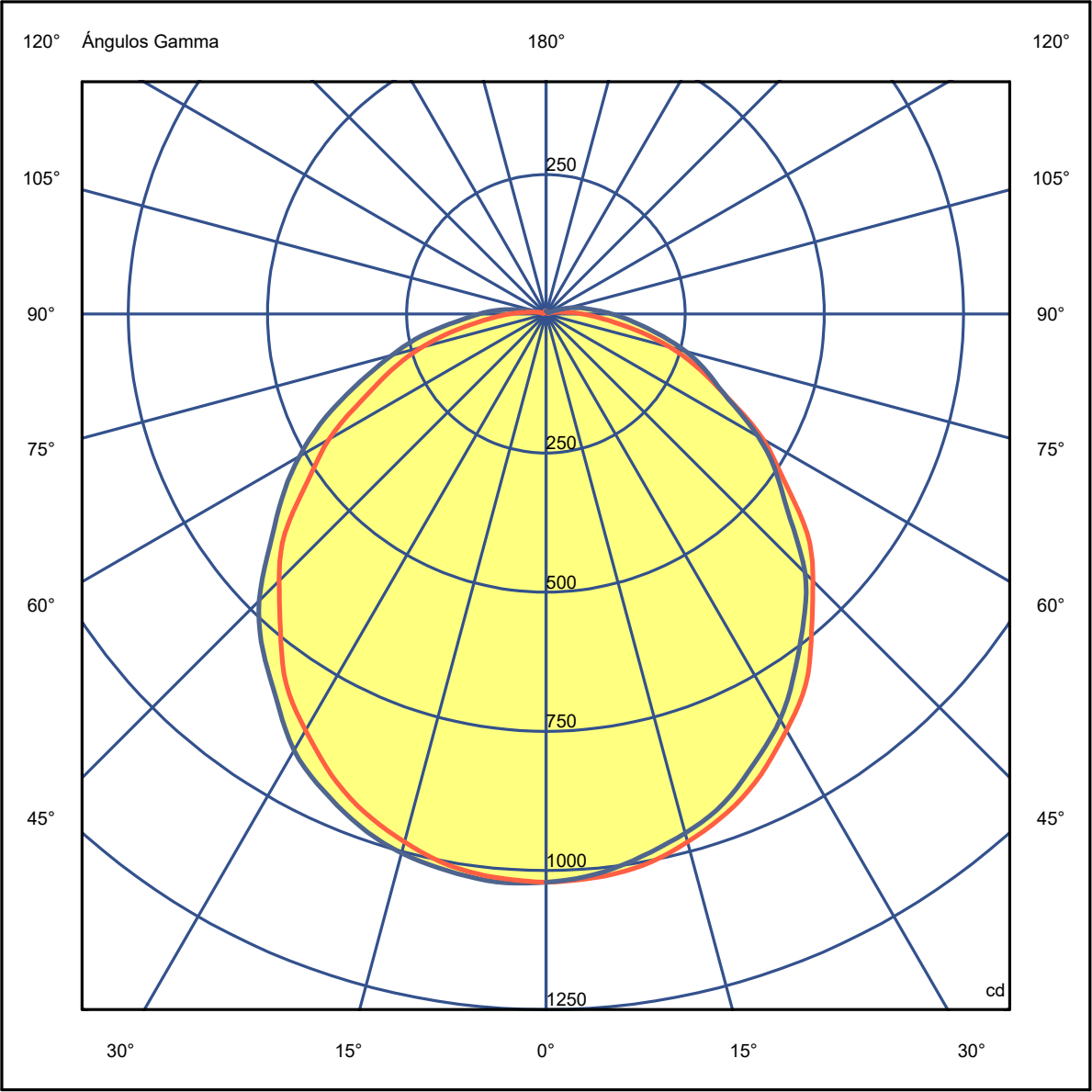
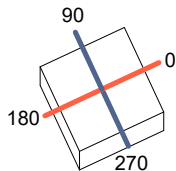
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Flujo Fuentes de luz		7254.00 lm		Valor Máximo		1027.81 cd		Posición		C=285.00 G=5.00		CG Sim. en los planos		270-90	
Tabla de Intensidad Luminosa cd														Tabla 1/1	
		C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	
G 0.0	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97	1020.97
G 5.0	1024.04	1027.81	1023.03	1026.82	1020.17	1020.78	1016.52	1011.57	1014.20	1009.23	1012.41	1007.95	1010.62	1010.62	1010.62
G 10.0	1015.71	1024.74	1014.63	1022.04	1009.61	1011.19	1005.39	994.38	998.68	990.16	992.94	988.84	989.61	989.61	989.61
G 15.0	1002.72	1011.43	999.21	1009.91	990.15	991.85	981.94	962.21	969.38	956.02	966.66	955.43	965.47	965.47	965.47
G 20.0	978.70	991.02	969.39	982.31	958.29	961.98	952.82	928.23	937.77	920.49	935.02	920.92	934.83	934.83	934.83
G 25.0	945.14	963.11	936.03	952.82	924.55	928.44	912.91	888.47	897.63	873.85	888.45	880.38	888.04	888.04	888.04
G 30.0	904.95	917.15	895.46	910.54	865.60	875.07	863.54	826.42	838.27	817.61	840.19	821.31	841.14	841.14	841.14
G 35.0	844.53	873.13	834.92	858.98	816.14	825.38	813.01	771.05	785.03	762.95	789.47	767.09	779.95	779.95	779.95
G 40.0	790.48	821.54	779.16	805.70	759.64	771.64	742.31	703.34	714.48	684.83	714.16	699.25	720.01	720.01	720.01
G 45.0	728.75	749.11	709.73	729.73	680.60	694.17	677.84	628.13	647.75	620.31	651.82	626.88	657.63	657.63	657.63
G 50.0	647.59	683.55	634.27	664.95	612.08	625.79	612.01	558.89	580.45	551.46	583.08	558.68	572.41	572.41	572.41
G 55.0	579.76	616.80	565.56	594.24	541.02	556.61	522.28	487.12	493.84	473.62	499.60	484.80	507.00	507.00	507.00
G 60.0	511.31	530.94	493.17	504.82	442.19	462.89	450.15	395.32	426.69	396.69	435.22	403.50	439.96	439.96	439.96
G 65.0	435.21	466.26	406.72	430.44	368.47	377.69	363.63	326.54	352.80	327.47	359.49	339.40	360.98	360.98	360.98
G 70.0	354.50	397.68	339.85	351.43	285.50	305.03	295.83	257.53	292.50	263.64	302.23	276.18	309.37	309.37	309.37
G 75.0	287.11	322.77	266.29	287.12	214.02	237.06	230.65	186.39	229.30	191.70	245.48	226.20	259.65	259.65	259.65
G 80.0	226.58	257.15	197.01	223.85	156.34	176.18	161.65	118.20	152.36	134.96	178.67	172.56	203.59	203.59	203.59
G 85.0	162.79	196.85	144.59	153.18	114.85	119.96	103.43	69.21	97.26	89.90	133.23	126.70	156.41	156.41	156.41
G 90.0	120.14	138.98	104.10	114.26	84.71	85.13	64.98	30.18	53.87	57.82	94.10	96.18	118.35	118.35	118.35
G 95.0	81.66	101.06	71.93	87.74	61.01	59.62	34.98	10.89	23.90	38.84	65.87	69.80	85.49	85.49	85.49
G100.0	39.41	62.42	42.90	59.55	39.97	41.21	19.18	3.90	10.94	18.19	44.83	44.91	62.41	62.41	62.41
G105.0	15.71	30.52	24.35	38.26	20.24	23.50	7.75	3.56	5.02	6.52	24.35	24.95	40.88	40.88	40.88
G110.0	5.08	12.32	8.36	18.17	7.37	8.50	3.57	3.74	3.67	3.83	9.35	9.27	17.72	17.72	17.72
G115.0	3.26	3.75	3.35	5.20	3.58	3.97	3.73	3.96	3.86	4.01	3.97	3.80	6.40	6.40	6.40
G120.0	3.42	3.35	3.54	3.57	3.78	3.76	3.91	4.16	4.06	4.20	3.97	3.94	3.85	3.85	3.85
G125.0	3.61	3.53	3.71	3.73	3.94	3.96	4.10	4.28	4.22	4.34	4.16	4.13	4.03	4.03	4.03
G130.0	3.79	3.73	3.90	3.84	4.10	4.11	4.24	4.43	4.37	4.46	4.30	4.30	4.17	4.17	4.17
G135.0	3.99	3.90	4.07	3.99	4.28	4.30	4.39	4.58	4.54	4.55	4.47	4.48	4.33	4.33	4.33
G140.0	4.21	4.06	4.23	4.21	4.44	4.52	4.58	4.75	4.68	4.73	4.57	4.67	4.48	4.48	4.48
G145.0	4.36	4.29	4.41	4.42	4.63	4.67	4.78	4.92	4.83	4.92	4.66	4.77	4.64	4.64	4.64
G150.0	4.54	4.47	4.62	4.59	4.80	4.85	4.97	5.07	4.99	5.04	4.92	4.96	4.82	4.82	4.82
G155.0	4.73	4.64	4.81	4.81	4.95	4.98	5.09	5.23	5.12	5.19	5.08	5.14	4.98	4.98	4.98
G160.0	4.91	4.83	4.97	4.98	5.12	5.14	5.21	5.33	5.22	5.29	5.20	5.23	5.08	5.08	5.08
G165.0	5.04	4.97	5.13	5.16	5.29	5.33	5.40	5.48	5.36	5.40	5.27	5.35	5.21	5.21	5.21
G170.0	5.22	5.14	5.27	5.32	5.44	5.46	5.52	5.58	5.47	5.48	5.39	5.44	5.32	5.32	5.32
G175.0	5.33	5.29	5.38	5.46	5.52	5.58	5.62	5.64	5.56	5.53	5.46	5.47	5.39	5.39	5.39
G180.0	5.38	5.41	5.46	5.59	5.56	5.64	5.66	5.64	5.56	5.59	5.46	5.41	5.38	5.38	5.38

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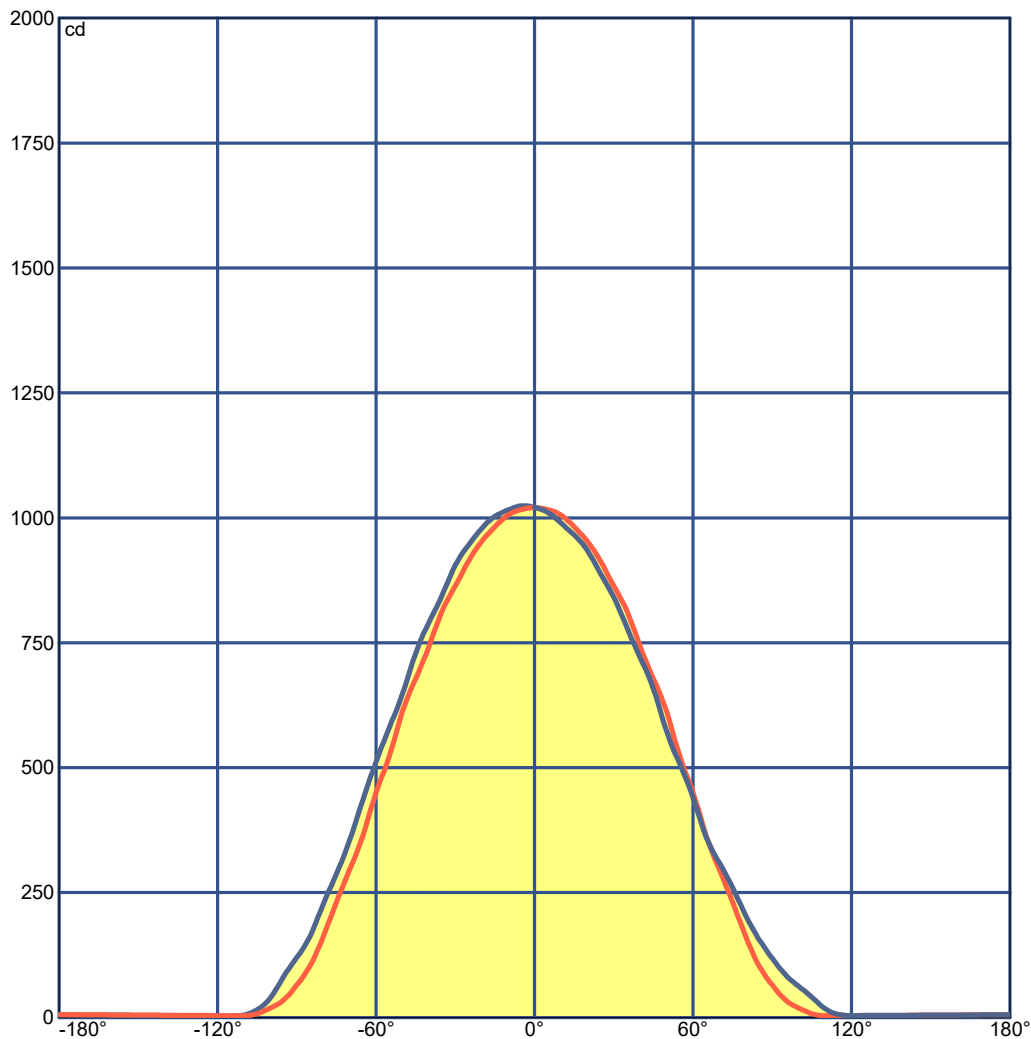
1000mm x 1000mm

Semiplanos C



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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										
Mista Lateral						Vista Longitudinal				
x=2H y=2H	12.0	13.3	12.3	13.6	13.9	13.0	14.3	13.3	14.6	14.9
x=2H y=3H	13.6	14.8	14.0	15.2	15.5	15.0	16.2	15.4	16.6	16.9
x=2H y=4H	14.4	15.6	14.8	15.9	16.3	16.1	17.2	16.4	17.5	17.9
x=2H y=6H	15.1	16.2	15.5	16.6	17.0	17.0	18.1	17.4	18.5	18.9
x=2H y=8H	15.5	16.5	15.9	16.8	17.3	17.5	18.5	17.9	18.9	19.3
x=2H y=12H	15.8	16.7	16.2	17.1	17.5	18.0	19.0	18.4	19.4	19.8
x=4H y=2H	12.8	13.9	13.1	14.2	14.6	13.7	14.8	14.0	15.1	15.5
x=4H y=3H	14.6	15.6	15.0	15.9	16.3	15.9	16.8	16.3	17.2	17.6
x=4H y=4H	15.5	16.4	16.0	16.8	17.2	17.1	17.9	17.5	18.3	18.8
x=4H y=6H	16.3	17.1	16.8	17.6	18.0	18.3	19.1	18.8	19.5	20.0
x=4H y=8H	16.7	17.5	17.2	17.9	18.4	18.9	19.6	19.4	20.1	20.6
x=4H y=12H	17.1	17.8	17.6	18.3	18.8	19.6	20.3	20.1	20.7	21.2
x=8H y=4H	16.0	16.7	16.5	17.2	17.6	17.4	18.1	17.9	18.6	19.1
x=8H y=6H	17.0	17.6	17.5	18.1	18.6	18.8	19.4	19.3	19.9	20.4
x=8H y=8H	17.5	18.0	18.0	18.5	19.1	19.6	20.1	20.1	20.6	21.2
x=8H y=12H	18.0	18.5	18.6	19.0	19.6	20.5	21.0	21.1	21.5	22.1
x=12H y=4H	17.0	17.6	17.4	18.1	18.6	17.9	18.5	18.4	19.0	19.5
x=12H y=6H	17.8	18.3	18.3	18.8	19.4	19.2	19.7	19.7	20.2	20.8
x=12H y=8H	18.3	18.8	18.8	19.3	19.9	20.0	20.5	20.6	21.0	21.6

Luminaria

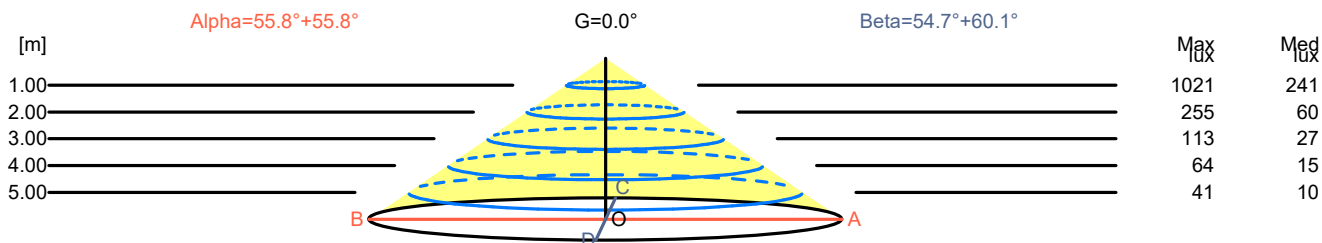
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Apertura a 50.00 % de Max Intensidad

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	1.47	2.94	4.41	5.88	7.35	OC	1.41	2.83	4.24	5.65	7.06
OB	1.47	2.94	4.41	5.88	7.35	OD	1.74	3.47	5.21	6.94	8.68

	0	5	15	25	35	45	55	65	75	85
OA	1020.97	1016.52	981.94	912.91	813.01	677.84	522.28	363.63	230.65	103.43
OB	1020.97	1016.52	981.94	912.91	813.01	677.84	522.28	363.63	230.65	103.43
OC	1020.97	1010.62	965.47	888.04	779.95	657.63	507.00	360.98	259.65	156.41
OD	1020.97	1024.04	1002.72	945.14	844.53	728.75	579.76	435.21	287.11	162.79



H[m]	D[m]	Max lux	Med lux	Alpha=55.8°+55.8°	G=0.0
1.00	2.94	1021	241		
2.00	5.88	255	60		
3.00	8.82	113	27		
4.00	11.76	64	15		
5.00	14.70	41	10		

H[m]	D[m]	Max lux	Med lux	Beta=60.1°+54.7°	G=0.0
1.00	3.15	1021	241		
2.00	6.30	255	60		
3.00	9.45	113	27		
4.00	12.60	64	15		
5.00	15.74	41	10		

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Flujo Total=7254.00 Flujo Luminaria=3176.37

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	0.29	0.37	0.44	0.51	0.56	0.65	0.71	0.75	0.80	0.83	0.91	0.95
RC	5	5	5	5	6	6	6	6	6	6	6	6

Flujo Zonal por 1000 Lúmenes

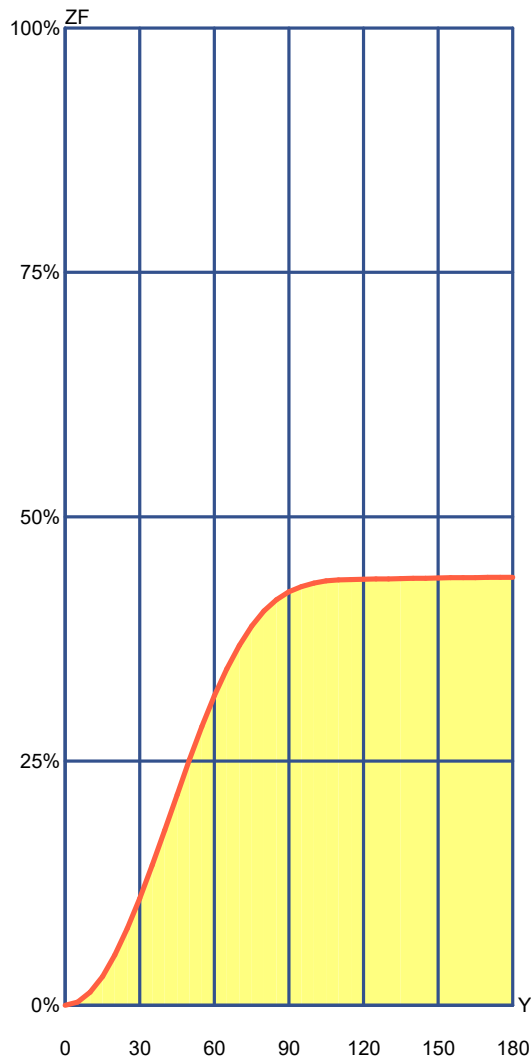
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	13	52	109	179	251	317	368	404	423	432	435	436	436	437	437	438	438	438

Códigos de Flujo C.I.E.

45 75 92 97 44

C.I.E. 5/5/5/5/6/6/6/6/6/6/6
D DIN 5040 A31
F UTE 0.42 E + 0.01 T
B NBN BZ 5
RN 3.38660 %
BLF 1.0

LOR 43.78780 %
ULOR 1.48292 %
DLOR 42.30488 %
UFF 3.38660 %
DFF 96.61340 %
FFR 3.50532 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	3.36	3.36	0.77 %	0.77 %
10°	9.97	13.33	2.28 %	3.04 %
15°	16.24	29.57	3.71 %	6.75 %
20°	21.96	51.53	5.01 %	11.77 %
25°	26.96	78.49	6.16 %	17.93 %
30°	30.98	109.47	7.07 %	25.00 %
35°	33.92	143.39	7.75 %	32.75 %
40°	35.77	179.16	8.17 %	40.92 %
45°	36.29	215.45	8.29 %	49.20 %
50°	35.71	251.16	8.16 %	57.36 %
55°	34.11	285.27	7.79 %	65.15 %
60°	31.32	316.59	7.15 %	72.30 %
65°	27.74	344.33	6.34 %	78.64 %
70°	23.90	368.23	5.46 %	84.10 %
75°	19.85	388.08	4.53 %	88.63 %
80°	15.54	403.62	3.55 %	92.18 %
85°	11.40	415.02	2.60 %	94.78 %
90°	8.03	423.05	1.83 %	96.61 %
95°	5.51	428.56	1.26 %	97.87 %
100°	3.58	432.15	0.82 %	98.69 %
105°	2.08	434.22	0.47 %	99.17 %
110°	1.01	435.24	0.23 %	99.40 %
115°	0.43	435.67	0.10 %	99.49 %
120°	0.26	435.93	0.06 %	99.55 %
125°	0.25	436.18	0.06 %	99.61 %
130°	0.24	436.42	0.06 %	99.67 %
135°	0.24	436.66	0.05 %	99.72 %
140°	0.22	436.88	0.05 %	99.77 %
145°	0.21	437.09	0.05 %	99.82 %
150°	0.19	437.28	0.04 %	99.86 %
155°	0.17	437.45	0.04 %	99.90 %
160°	0.15	437.60	0.03 %	99.94 %
165°	0.12	437.72	0.03 %	99.96 %
170°	0.09	437.81	0.02 %	99.98 %
175°	0.05	437.86	0.01 %	100.00 %
180°	0.02	437.88	0.00 %	100.00 %

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Isolux (Suelo)

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

