

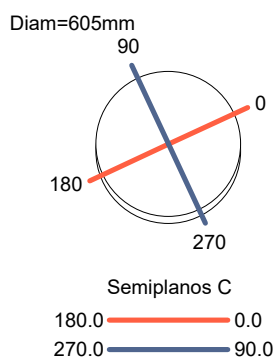
Luminaria

Código 20601202183
Nombre FOLIE S/60 - CREAM
Ensayo
Código CL092A22F003G
Nombre FOLIE S/60 - CREAM

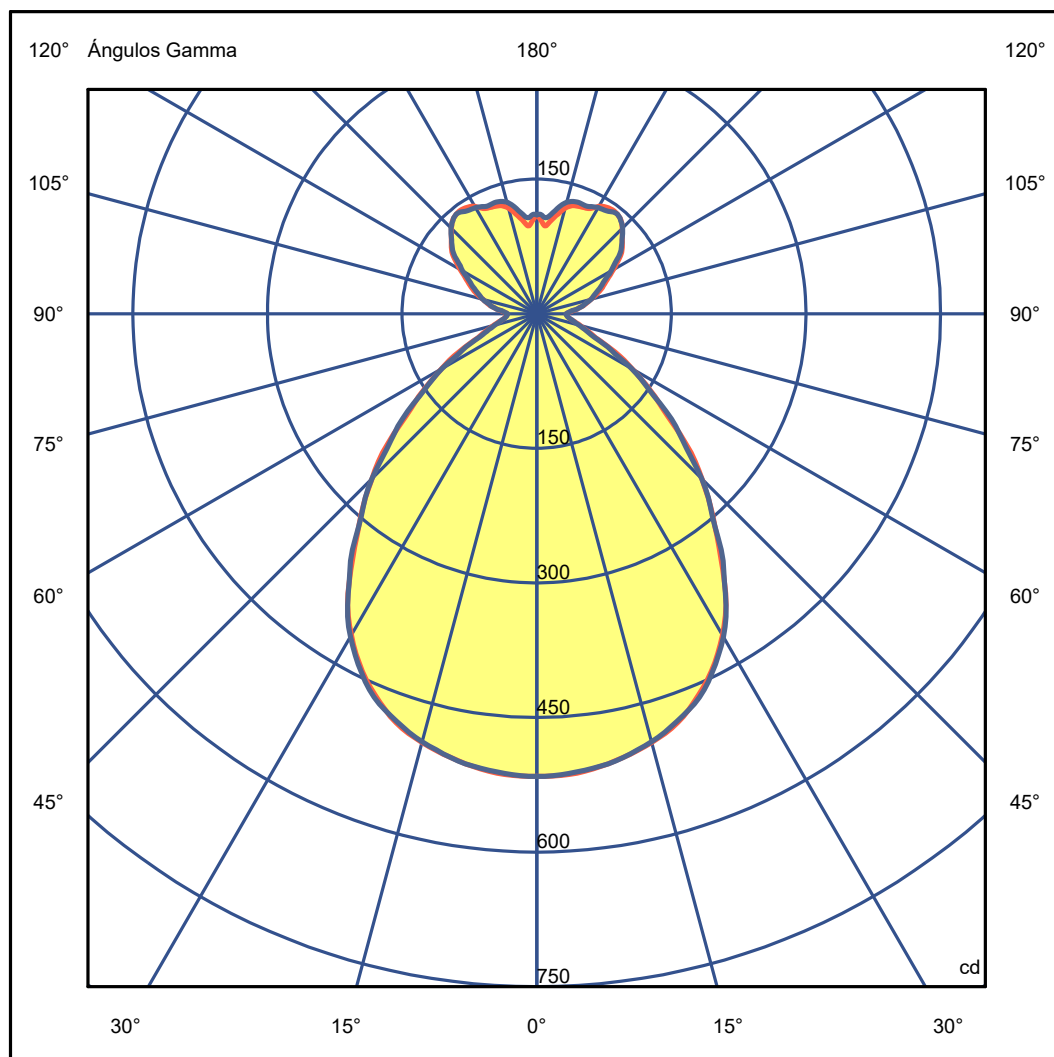
Flujo Luminaria	1722.97 lm	Potencia Luminaria	30.59 W	Eficacia	56.32 lm/W	Eficiencia	54.44%
Flujo Fuentes de luz	3165.00 lm	Valor Máximo	515.45 cd	Posición	C=0.00 G=0.00	CG Bisimétrico	
Luminaria Redonda Área Luminosa Redonda	Diam. Diam.	605 mm 605 mm	Altura Altura	400 mm 400 mm			
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°	0.287475 m2 0.242000 m2 0.242000 m2			Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°	0.242000 m2 0.242000 m2 0.304358 m2		
Sist. de Coorden. Fecha Distancia de Ensayo	CG 10-02-2022 6.44			Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo	Bisimétrico 180 1722.96 lm		
Operador Temperatura Humedad Notas	ASSELUM 25.50 °C 21.70 % RM22013102			Tensión Nominal Corriente Nominal Fotocélula	230.25 V 0.16 A Prc		

Fuentes de luz de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E. F UTE	57 84 95 67 54 0.36 D + 0.18 T	D DIN 5040 B NBN	1055.00	30.59	3
			B41 BZ 3 / 1.5 / BZ 4		



ULOR 18.23 %
DLOR 36.21 %
RN 33.49 %



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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	515.45	515.45	515.45	515.45	515.45	515.45	515.45
G 2.5	515.14	514.96	514.79	514.73	514.79	514.88	514.84
G 5.0	513.86	513.65	513.26	512.85	512.67	512.58	512.32
G 7.5	510.34	510.22	510.17	510.10	509.96	509.80	509.73
G 10.0	505.75	505.79	505.95	506.08	506.08	506.00	505.95
G 12.5	500.51	500.69	501.03	501.14	500.79	500.28	500.01
G 15.0	494.46	494.02	493.71	493.57	493.59	493.70	493.76
G 17.5	487.26	486.85	486.65	486.48	486.21	485.95	485.82
G 20.0	477.35	476.91	476.63	476.46	476.37	476.33	476.33
G 22.5	464.20	464.55	465.39	466.21	466.60	466.65	466.62
G 25.0	449.83	450.08	451.01	451.91	452.25	452.20	452.10
G 27.5	432.90	433.73	435.36	436.51	435.93	434.62	434.78
G 30.0	413.46	411.90	411.02	411.27	413.14	415.42	415.57
G 32.5	392.06	390.74	390.09	390.22	391.45	393.01	392.65
G 35.0	364.69	363.64	363.30	363.44	363.84	364.26	364.45
G 37.5	335.27	335.32	336.33	337.64	338.69	339.35	339.58
G 40.0	308.59	309.40	311.06	311.98	311.09	309.41	308.50
G 42.5	284.57	284.11	284.75	285.45	285.40	284.94	284.66
G 45.0	260.04	258.30	257.14	256.96	257.93	259.27	259.94
G 47.5	236.52	234.71	232.86	231.33	230.38	229.94	229.83
G 50.0	208.07	207.38	207.80	208.31	208.11	207.56	207.24
G 52.5	180.12	181.40	183.57	185.41	186.00	185.80	185.56
G 55.0	160.52	161.32	162.81	163.48	162.32	160.45	159.46
G 57.5	140.87	139.82	139.41	139.40	139.58	139.78	139.87
G 60.0	122.86	121.79	121.22	121.10	121.36	121.73	121.92
G 62.5	107.18	106.09	104.83	103.53	102.32	101.41	101.06
G 65.0	89.33	89.00	89.22	89.23	88.50	87.51	87.02
G 67.5	73.21	73.59	74.25	74.30	73.20	71.73	70.99
G 70.0	63.65	64.10	64.70	64.71	63.65	62.25	61.56
G 72.5	55.88	55.48	55.21	54.99	54.76	54.56	54.47
G 75.0	49.79	49.61	49.47	49.25	48.86	48.47	48.29
G 77.5	44.42	44.29	44.20	44.03	43.72	43.39	43.24
G 80.0	39.47	39.82	40.16	40.30	40.12	39.82	39.66
G 82.5	36.78	36.78	36.76	36.64	36.37	36.09	35.96
G 85.0	34.82	34.69	34.54	34.39	34.28	34.21	34.18
G 87.5	33.49	33.21	32.91	32.73	32.76	32.90	32.98
G 90.0	33.11	32.79	32.46	32.24	32.22	32.31	32.37
G 92.5	35.28	34.95	34.44	34.13	34.35	34.78	34.85
G 95.0	40.34	39.18	37.62	36.81	37.48	38.80	39.51
G 97.5	46.77	44.15	41.78	40.93	42.61	45.33	46.75
G100.0	52.53	49.26	45.87	44.58	46.78	50.17	52.05
G102.5	57.47	53.48	49.44	47.86	50.32	54.13	56.26
G105.0	62.23	57.57	53.05	51.54	54.72	59.65	62.21
G107.5	68.40	63.25	58.04	55.94	58.90	63.85	66.46
G110.0	74.46	68.71	63.73	61.70	64.20	68.61	70.96
G112.5	79.70	74.98	70.32	68.29	70.43	74.26	76.31
G115.0	85.03	81.84	78.86	76.96	78.11	80.36	81.59
G117.5	90.87	88.18	85.63	83.93	84.48	85.86	87.37
G120.0	98.55	96.28	94.05	92.35	93.13	94.73	95.61
G122.5	105.83	103.59	101.28	99.41	99.97	101.39	102.20
G125.0	114.19	111.36	108.49	107.10	108.14	110.22	111.36
G127.5	119.79	117.18	114.71	113.24	114.76	117.27	118.60
G130.0	124.44	122.48	120.84	120.30	121.30	122.87	123.69
G132.5	129.14	127.18	125.32	124.76	126.20	128.36	129.47
G135.0	134.61	132.97	130.81	129.38	131.08	133.72	135.09
G137.5	139.38	137.83	136.17	135.15	136.34	138.19	139.15
G140.0	142.01	141.26	140.80	140.79	141.27	141.89	142.20
G142.5	143.40	143.45	143.82	143.94	142.92	142.47	142.34
G145.0	143.05	144.24	145.56	145.61	143.57	140.88	139.53
G147.5	141.46	143.24	144.83	144.82	142.44	139.35	137.81
G150.0	138.28	140.49	142.37	142.68	140.72	138.03	136.67
G152.5	132.74	135.78	138.49	139.54	138.16	135.84	134.62
G155.0	130.06	132.64	134.34	134.84	134.05	132.80	132.15
G157.5	129.08	130.06	129.74	129.49	130.33	131.60	132.25
G160.0	128.15	127.71	125.65	124.83	127.13	130.64	132.45
G162.5	126.22	123.86	120.90	119.72	123.27	128.67	131.46
G165.0	121.85	119.12	115.95	114.86	118.86	124.86	128.77
G167.5	115.32	112.87	109.99	109.13	113.45	119.71	123.67
G170.0	108.85	107.44	105.62	105.12	108.95	114.10	116.69
G172.5	101.98	102.37	101.65	102.06	105.00	108.67	110.48
G175.0	98.45	100.50	101.77	102.36	104.45	106.59	107.57
G177.5	104.75	104.55	103.96	103.60	106.06	109.14	110.65
G180.0	110.44	110.44	110.44	110.44	110.44	110.44	110.44

Luminaria

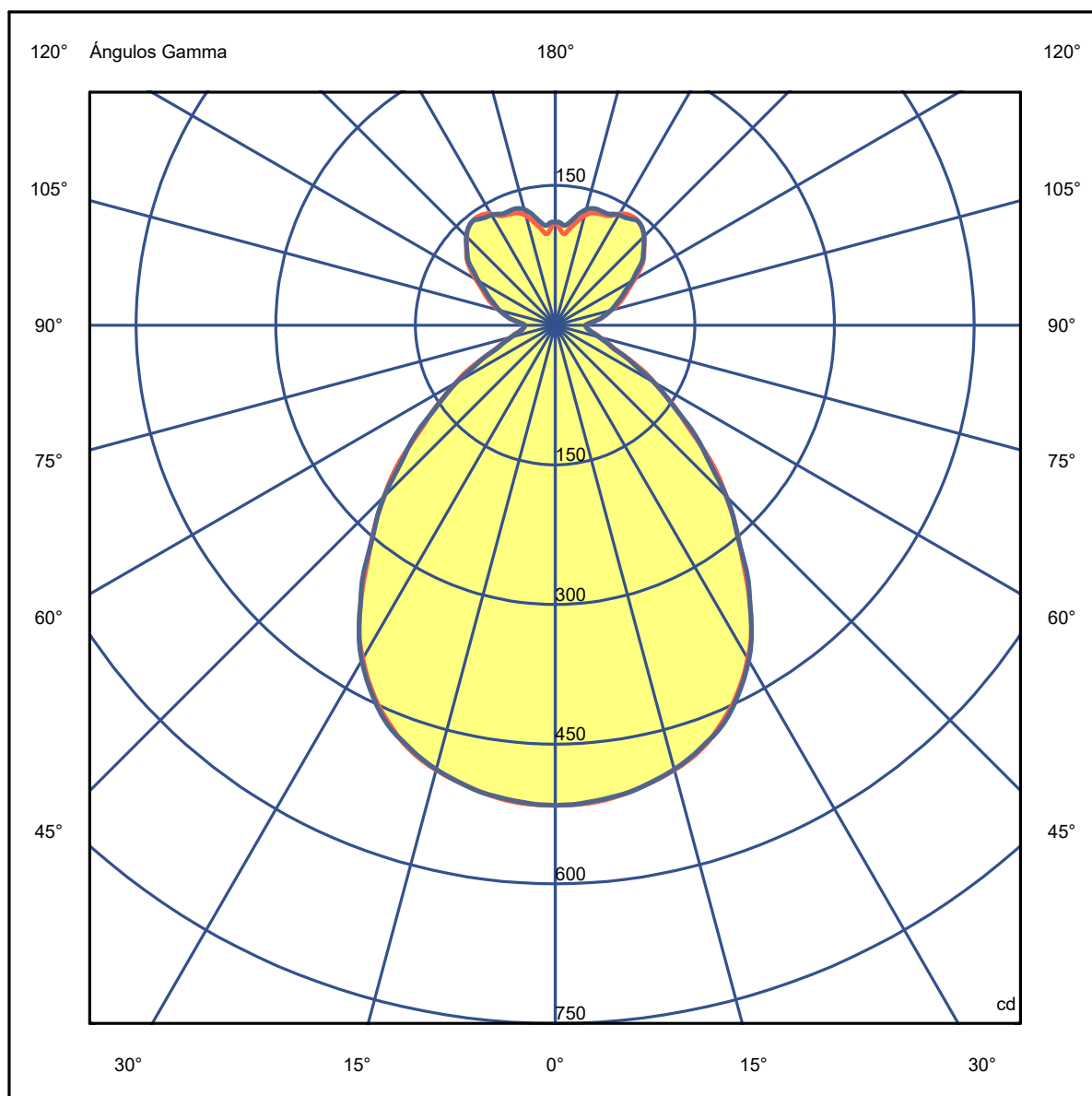
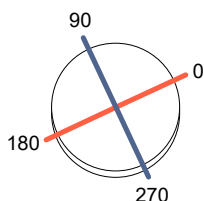
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Diam=605mm

Semiplanos C

180.0 — 0.0
270.0 — 90.0

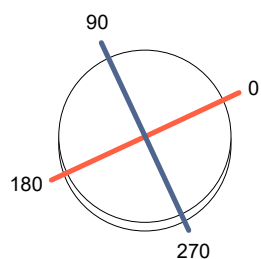


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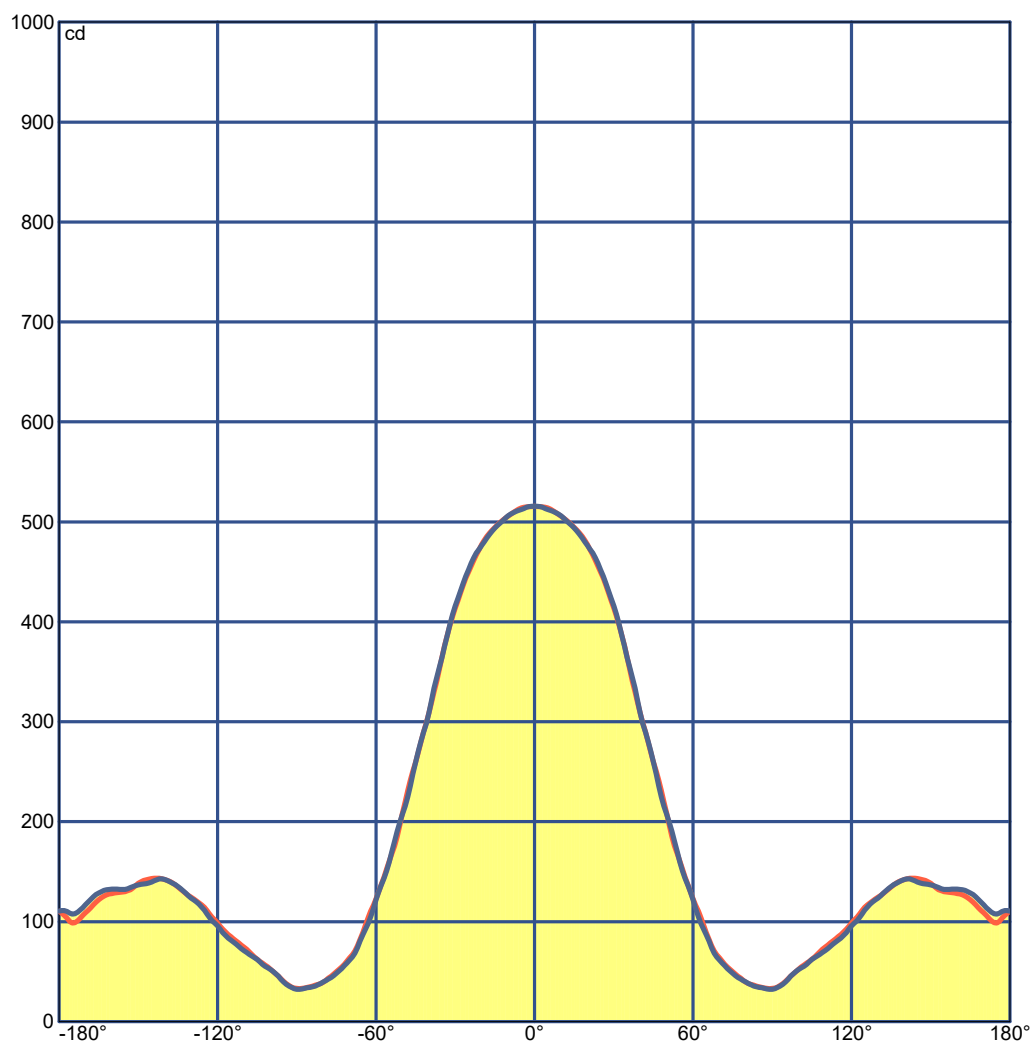
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Diam=605mm



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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	7.3	8.1	8.0	8.8	9.7	7.2	8.1	7.9	8.8	9.6
x=2H y=3H	7.8	8.5	8.5	9.3	10.1	7.7	8.5	8.4	9.2	10.1
x=2H y=4H	8.0	8.7	8.7	9.4	10.4	7.9	8.6	8.6	9.4	10.3
x=2H y=6H	8.1	8.8	8.9	9.6	10.5	8.1	8.7	8.8	9.5	10.5
x=2H y=8H	8.2	8.9	9.0	9.6	10.6	8.2	8.8	8.9	9.6	10.5
x=2H y=12H	8.3	8.9	9.1	9.7	10.7	8.3	8.9	9.0	9.7	10.6
x=4H y=2H	7.4	8.1	8.2	8.9	9.8	7.4	8.1	8.1	8.8	9.8
x=4H y=3H	8.1	8.7	8.9	9.5	10.4	8.0	8.6	8.8	9.4	10.3
x=4H y=4H	8.4	8.9	9.2	9.7	10.7	8.3	8.8	9.1	9.6	10.6
x=4H y=6H	8.7	9.1	9.5	10.0	11.0	8.6	9.1	9.4	9.9	10.9
x=4H y=8H	8.8	9.2	9.7	10.1	11.1	8.7	9.2	9.6	10.0	11.0
x=4H y=12H	9.0	9.4	9.9	10.2	11.3	8.9	9.3	9.8	10.2	11.2
x=8H y=4H	8.4	8.8	9.3	9.7	10.7	8.3	8.8	9.2	9.6	10.6
x=8H y=6H	8.8	9.2	9.7	10.0	11.1	8.8	9.1	9.7	10.0	11.1
x=8H y=8H	9.1	9.4	10.0	10.3	11.4	9.0	9.3	9.9	10.2	11.3
x=8H y=12H	9.4	9.6	10.3	10.5	11.6	9.3	9.5	10.2	10.4	11.5
x=12H y=4H	8.6	9.0	9.5	9.9	11.0	8.6	9.0	9.5	9.8	10.9
x=12H y=6H	9.1	9.4	10.0	10.3	11.3	9.0	9.3	9.9	10.2	11.3
x=12H y=8H	9.3	9.6	10.2	10.5	11.6	9.3	9.5	10.2	10.4	11.5

Luminaria

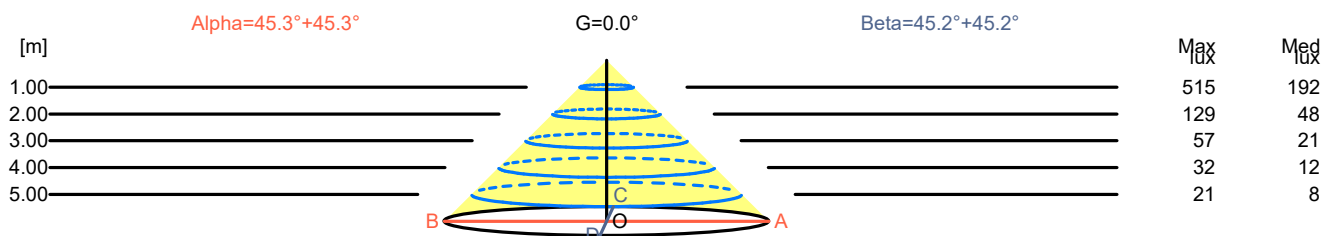
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Apertura a 50.00 % de Max Intensidad

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	1.01	2.02	3.03	4.04	5.04	OC	1.01	2.01	3.02	4.03	5.03
OB	1.01	2.02	3.03	4.04	5.04	OD	1.01	2.01	3.02	4.03	5.03

	0	5	15	25	35	45	55	65	75	85
OA	515.45	513.86	494.46	449.83	364.69	260.04	160.52	89.33	49.79	34.82
OB	515.45	513.86	494.46	449.83	364.69	260.04	160.52	89.33	49.79	34.82
OC	515.45	512.32	493.76	452.10	364.45	259.94	159.46	87.02	48.29	34.18
OD	515.45	512.32	493.76	452.10	364.45	259.94	159.46	87.02	48.29	34.18



H[m]	D[m]	Max lux	Med lux	Alpha=45.3°+45.3°	G=0.0
1.00	2.02	515	192		
2.00	4.04	129	48		
3.00	6.05	57	21		
4.00	8.07	32	12		
5.00	10.09	21	8		

H[m]	D[m]	Max lux	Med lux	Beta=45.2°+45.2°	G=0.0
1.00	2.01	515	192		
2.00	4.03	129	48		
3.00	6.04	57	21		
4.00	8.05	32	12		
5.00	10.06	21	8		

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Flujo Total=3165.00 Flujo Luminaria=1722.97

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	0.38	0.46	0.53	0.60	0.65	0.73	0.77	0.81	0.85	0.87	0.93	0.96
RC	4	4	4	4	4	4	4	4	4	4	4	5

Flujo Zonal por 1000 Lúmenes

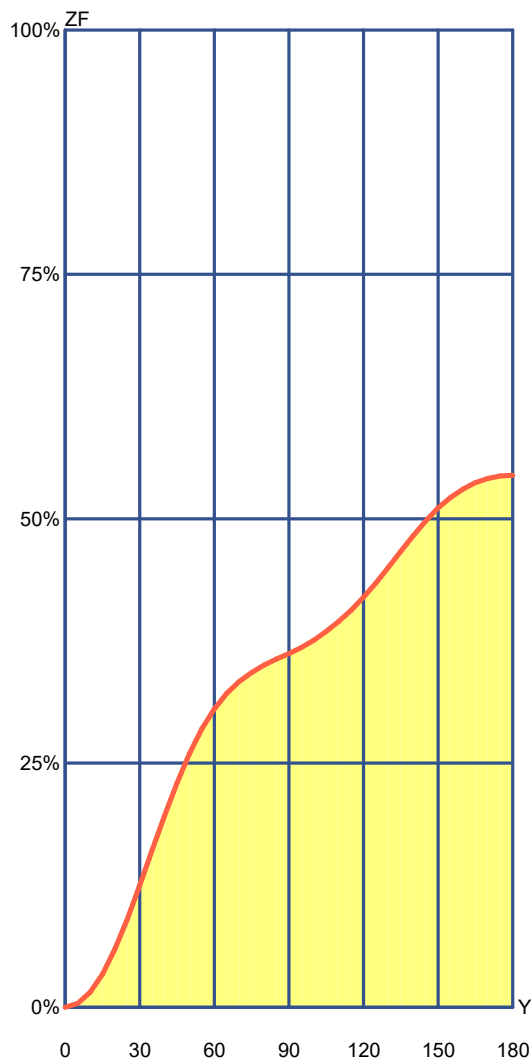
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	15	59	125	197	260	305	333	350	362	376	395	420	450	483	511	530	541	544

Códigos de Flujo C.I.E.

57 84 95 67 54

C.I.E. 4/4/4/4/4/4/4/4/4/5
D DIN 5040 B41
F UTE 0.36 D + 0.18 T
B NBN BZ 3 / 1.5 / BZ 4
RN 33.48621 %
BLF 1.0

LOR 54.43807 %
ULOR 18.22925 %
DLOR 36.20882 %
UFF 33.48621 %
DFF 66.51379 %
FFR 50.34477 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	3.88	3.88	0.71 %	0.71 %
10°	11.52	15.40	2.12 %	2.83 %
15°	18.74	34.14	3.44 %	6.27 %
20°	25.29	59.43	4.64 %	10.92 %
25°	30.79	90.22	5.66 %	16.57 %
30°	34.64	124.86	6.36 %	22.94 %
35°	36.24	161.09	6.66 %	29.59 %
40°	35.52	196.61	6.52 %	36.12 %
45°	33.26	229.87	6.11 %	42.23 %
50°	29.66	259.53	5.45 %	47.67 %
55°	25.32	284.85	4.65 %	52.33 %
60°	20.53	305.38	3.77 %	56.10 %
65°	16.02	321.40	2.94 %	59.04 %
70°	11.94	333.34	2.19 %	61.23 %
75°	9.20	342.54	1.69 %	62.92 %
80°	7.48	350.02	1.37 %	64.30 %
85°	6.33	356.34	1.16 %	65.46 %
90°	5.74	362.09	1.06 %	66.51 %
95°	6.06	368.14	1.11 %	67.63 %
100°	7.45	375.60	1.37 %	69.00 %
105°	8.82	384.41	1.62 %	70.62 %
110°	10.14	394.55	1.86 %	72.48 %
115°	11.67	406.22	2.14 %	74.62 %
120°	13.32	419.54	2.45 %	77.07 %
125°	14.87	434.41	2.73 %	79.80 %
130°	15.92	450.34	2.93 %	82.72 %
135°	16.20	466.54	2.98 %	85.70 %
140°	16.02	482.56	2.94 %	88.64 %
145°	15.06	497.62	2.77 %	91.41 %
150°	13.23	510.85	2.43 %	93.84 %
155°	10.95	521.80	2.01 %	95.85 %
160°	8.65	530.44	1.59 %	97.44 %
165°	6.46	536.91	1.19 %	98.63 %
170°	4.29	541.20	0.79 %	99.42 %
175°	2.38	543.58	0.44 %	99.85 %
180°	0.80	544.38	0.15 %	100.00 %

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Isolux (Suelo)

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

