

Luminaria

Código 2815
Nombre CLASS

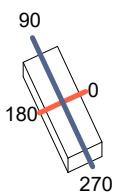
Ensayo

Código CL252A22F015GE5
Nombre CLASS

Flujo Luminaria	1328.07 lm	Potencia Luminaria	14.00 W	Eficacia	94.86 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	1328.07 lm	Valor Máximo	169.66 cd	Posición	C=15.00 G=90.00	CG Bisimétrico	
Luminaria Rectangular		Longit.	258 mm	Anchura	92 mm	Altura	720 mm
Área Luminosa Rectangular		Longit.	164 mm	Anchura	82 mm	Altura	720 mm
Área Luminosa Horizontal		0.013448 m2		Área Emisión sobre Pl. 180°		0.118080 m2	
Área Emisión sobre Pl. 0°		0.118080 m2		Área Emisión sobre Pl. 270°		0.059040 m2	
Área Emisión sobre Pl. 90°		0.059040 m2		Área de deslumbramiento a 76°		0.117826 m2	
Sist. de Coordn.		CG		Tipo de Simetría		Bisimétrico	
Fecha		20-10-2022		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		1328.06 lm	
Operador		ASSELUM		Tensión Nominal			
Temperatura		25.10 °C		Corriente Nominal			
Humedad		63.50 %		Fotocélula			
Notas						Czibula Grundmann	

Fuentes de luz de la Luminaria						
Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.	
	GW JTLPS1.CM	LED STRIP 2700K CRI90	1328.07	14.00	1	
C.I.E.	11 36 67 50 100	D DIN 5040	C11			
F UTE	--	B NBN	BZ 10			

258mm x 92mm



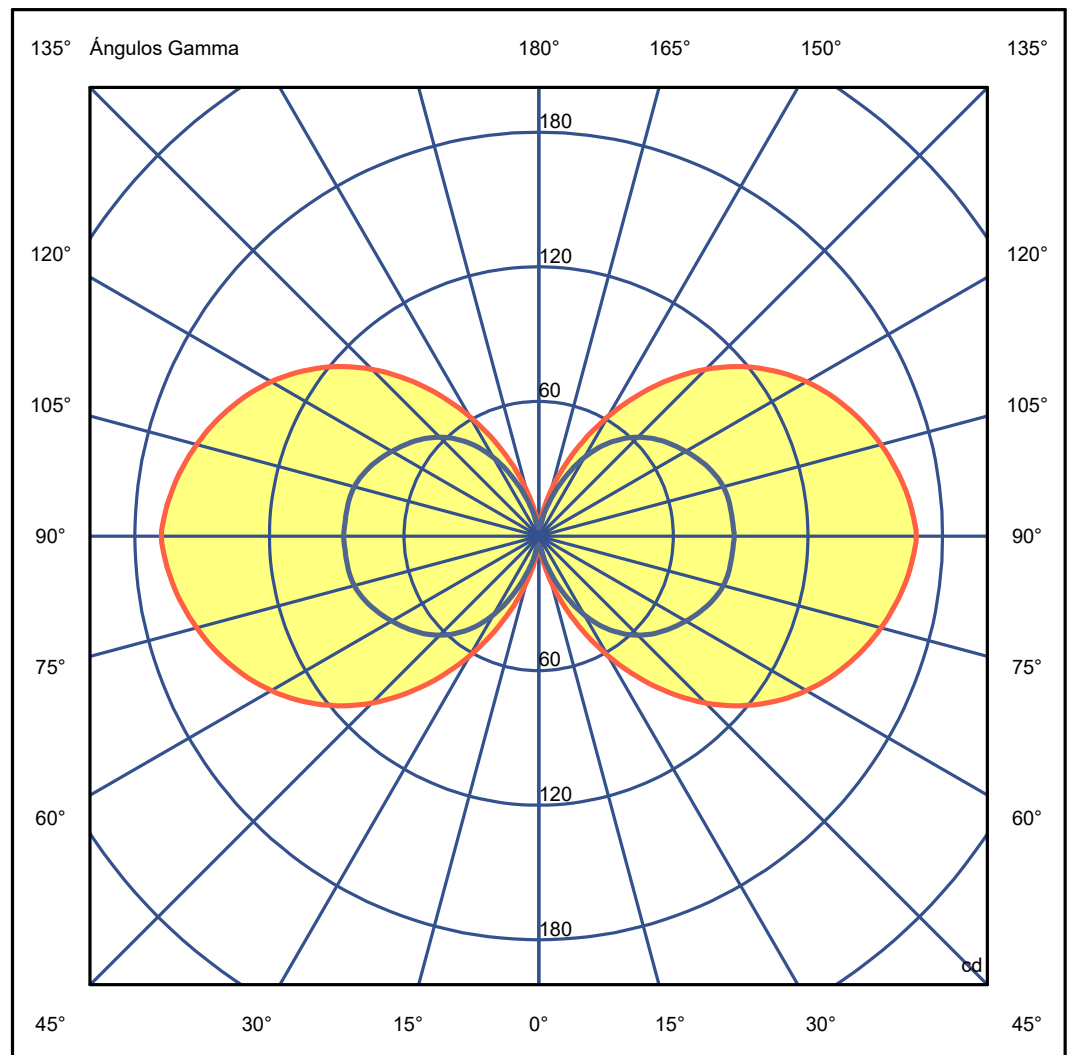
Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 50.00 %

DLOR 50.00 %

RN 50.00 %



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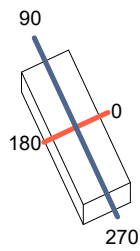
Tabla de Intensidad Luminosa cd Tabla 1/1

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	3.99	3.99	3.99	3.99	3.99	3.99	3.99
G 2.5	4.55	4.53	4.46	4.37	4.29	4.21	4.18
G 5.0	6.16	6.08	5.83	5.48	5.14	4.89	4.79
G 7.5	8.75	8.56	8.04	7.35	6.64	6.10	5.89
G 10.0	12.21	11.91	11.08	9.95	8.79	7.91	7.56
G 12.5	16.48	16.05	14.88	13.29	11.65	10.38	9.87
G 15.0	21.46	20.89	19.40	17.36	15.23	13.56	12.89
G 17.5	27.06	26.38	24.59	22.14	19.57	17.51	16.65
G 20.0	33.20	32.42	30.40	27.62	24.66	22.10	21.00
G 22.5	39.79	38.95	36.76	33.77	30.34	27.16	25.74
G 25.0	46.75	45.87	43.62	40.50	36.47	32.51	30.70
G 27.5	53.98	53.11	50.92	47.69	42.89	37.96	35.68
G 30.0	61.41	60.59	58.59	55.19	49.44	43.36	40.48
G 32.5	68.94	68.22	66.55	62.85	55.98	48.38	44.95
G 35.0	76.49	75.93	74.65	70.54	62.29	53.08	49.07
G 37.5	83.98	83.63	82.78	78.06	68.12	57.81	52.86
G 40.0	91.32	91.23	90.79	85.27	73.91	62.25	56.33
G 42.5	98.42	98.65	98.55	92.06	79.62	66.33	59.50
G 45.0	105.19	105.77	105.93	98.44	85.10	70.25	62.39
G 47.5	111.58	112.50	112.82	104.47	90.40	74.01	65.01
G 50.0	117.57	118.79	119.11	110.13	95.65	77.62	67.41
G 52.5	123.16	124.63	124.76	115.41	100.88	81.09	69.63
G 55.0	128.37	130.02	129.82	120.38	106.06	84.43	71.71
G 57.5	133.21	134.98	134.33	125.08	111.11	87.59	73.71
G 60.0	137.69	139.52	138.32	129.50	115.87	90.48	75.66
G 62.5	141.81	143.68	141.80	133.62	120.22	93.03	77.59
G 65.0	145.60	147.48	144.75	137.43	124.06	95.17	79.46
G 67.5	149.08	150.95	147.18	140.94	127.42	96.99	81.21
G 70.0	152.27	154.13	149.14	144.18	130.42	98.61	82.77
G 72.5	155.19	157.04	150.74	147.15	133.12	99.94	84.09
G 75.0	157.88	159.68	152.10	149.85	135.56	101.16	85.10
G 77.5	160.34	162.08	153.33	152.33	137.81	102.41	85.77
G 80.0	162.55	164.22	154.52	154.58	139.85	103.69	86.17
G 82.5	164.49	166.08	155.67	156.57	141.63	104.95	86.40
G 85.0	166.11	167.62	156.69	158.24	143.11	106.07	86.56
G 87.5	167.39	168.82	157.53	159.54	144.27	106.99	86.75
G 90.0	168.29	169.66	158.13	160.39	145.08	107.66	87.06
G 92.5	167.39	168.82	157.53	159.54	144.27	106.99	86.75
G 95.0	166.11	167.62	156.69	158.24	143.11	106.07	86.56
G 97.5	164.49	166.08	155.67	156.57	141.63	104.95	86.40
G100.0	162.55	164.22	154.52	154.58	139.85	103.69	86.17
G102.5	160.34	162.08	153.33	152.33	137.81	102.41	85.77
G105.0	157.88	159.68	152.10	149.85	135.56	101.16	85.10
G107.5	155.19	157.04	150.74	147.15	133.12	99.94	84.09
G110.0	152.27	154.13	149.14	144.18	130.42	98.61	82.77
G112.5	149.08	150.95	147.18	140.94	127.42	96.99	81.21
G115.0	145.60	147.48	144.75	137.42	124.06	95.17	79.46
G117.5	141.81	143.68	141.80	133.61	120.22	93.03	77.59
G120.0	137.69	139.52	138.32	129.48	115.87	90.48	75.66
G122.5	133.21	134.98	134.33	125.07	111.11	87.59	73.71
G125.0	128.37	130.02	129.82	120.38	106.06	84.43	71.71
G127.5	123.16	124.63	124.76	115.42	100.88	81.09	69.63
G130.0	117.57	118.79	119.11	110.13	95.65	77.62	67.41
G132.5	111.58	112.50	112.82	104.47	90.37	74.01	65.01
G135.0	105.19	105.77	105.93	98.44	84.98	70.27	62.39
G137.5	98.42	98.65	98.55	92.06	79.46	66.16	59.50
G140.0	91.32	91.23	90.79	85.27	73.83	61.87	56.33
G142.5	83.98	83.63	82.78	78.06	68.14	57.49	52.86
G145.0	76.49	75.93	74.65	70.54	62.28	53.01	49.07
G147.5	68.94	68.22	66.55	62.85	55.98	48.39	44.95
G150.0	61.41	60.59	58.59	55.19	49.44	43.36	40.48
G152.5	53.98	53.11	50.92	47.69	42.89	37.96	35.68
G155.0	46.75	45.87	43.62	40.50	36.47	32.51	30.70
G157.5	39.79	38.95	36.76	33.77	30.34	27.16	25.74
G160.0	33.20	32.42	30.40	27.62	24.66	22.10	21.00
G162.5	27.06	26.38	24.59	22.14	19.57	17.51	16.65
G165.0	21.46	20.89	19.40	17.36	15.23	13.56	12.89
G167.5	16.48	16.05	14.88	13.29	11.65	10.38	9.87
G170.0	12.21	11.91	11.08	9.95	8.79	7.91	7.56
G172.5	8.75	8.56	8.04	7.35	6.64	6.10	5.89
G175.0	6.16	6.08	5.83	5.48	5.14	4.89	4.79
G177.5	4.55	4.53	4.46	4.37	4.29	4.21	4.18
G180.0	3.99	3.99	3.99	3.99	3.99	3.99	3.99

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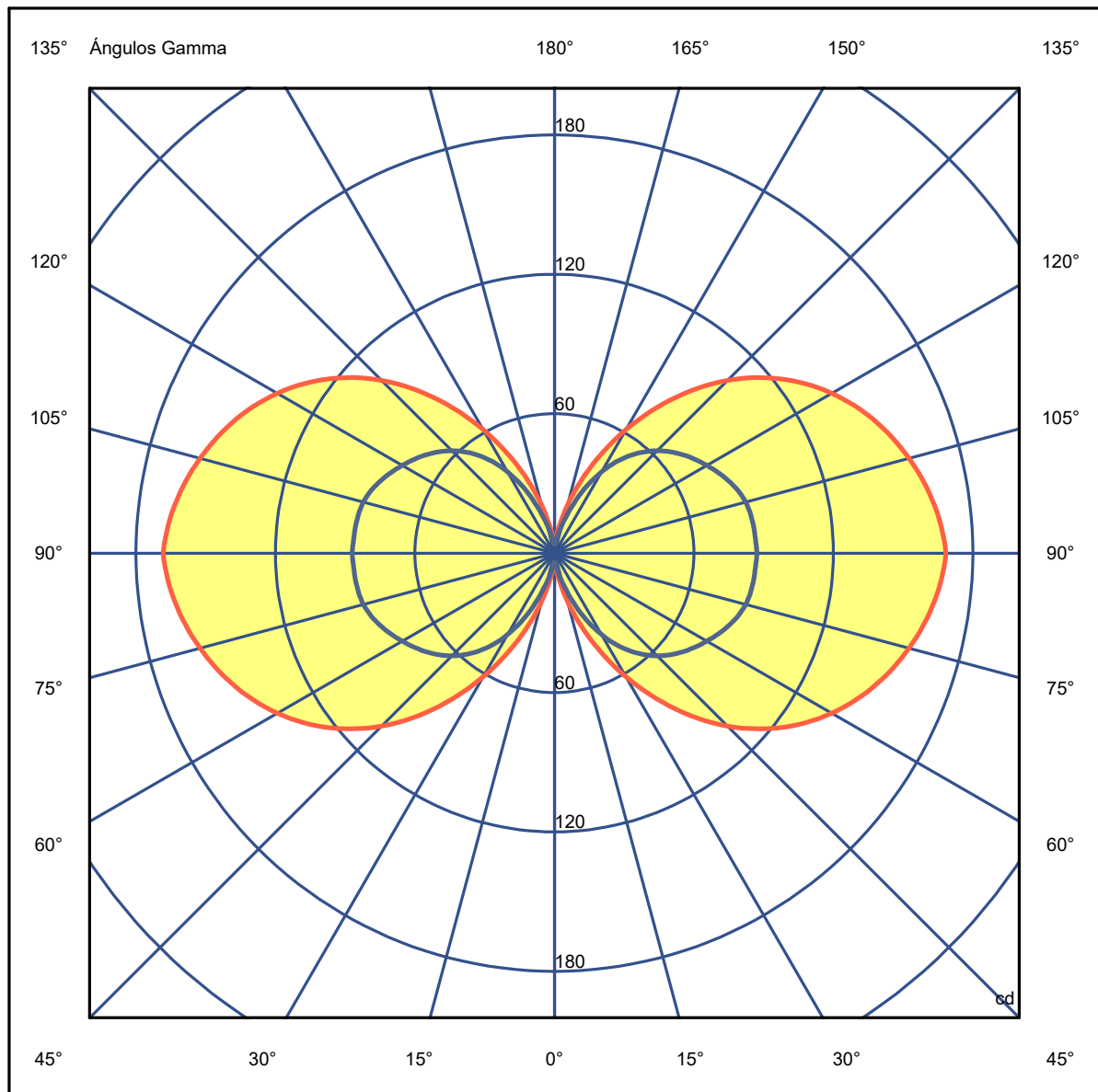
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Flujo Fuentes de luz	1328.07 lm	Valor Máximo	169.66 cd	Posición	C=15.00 G=90.00	CG Bisimétrico	

258mm x 92mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaria

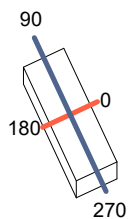
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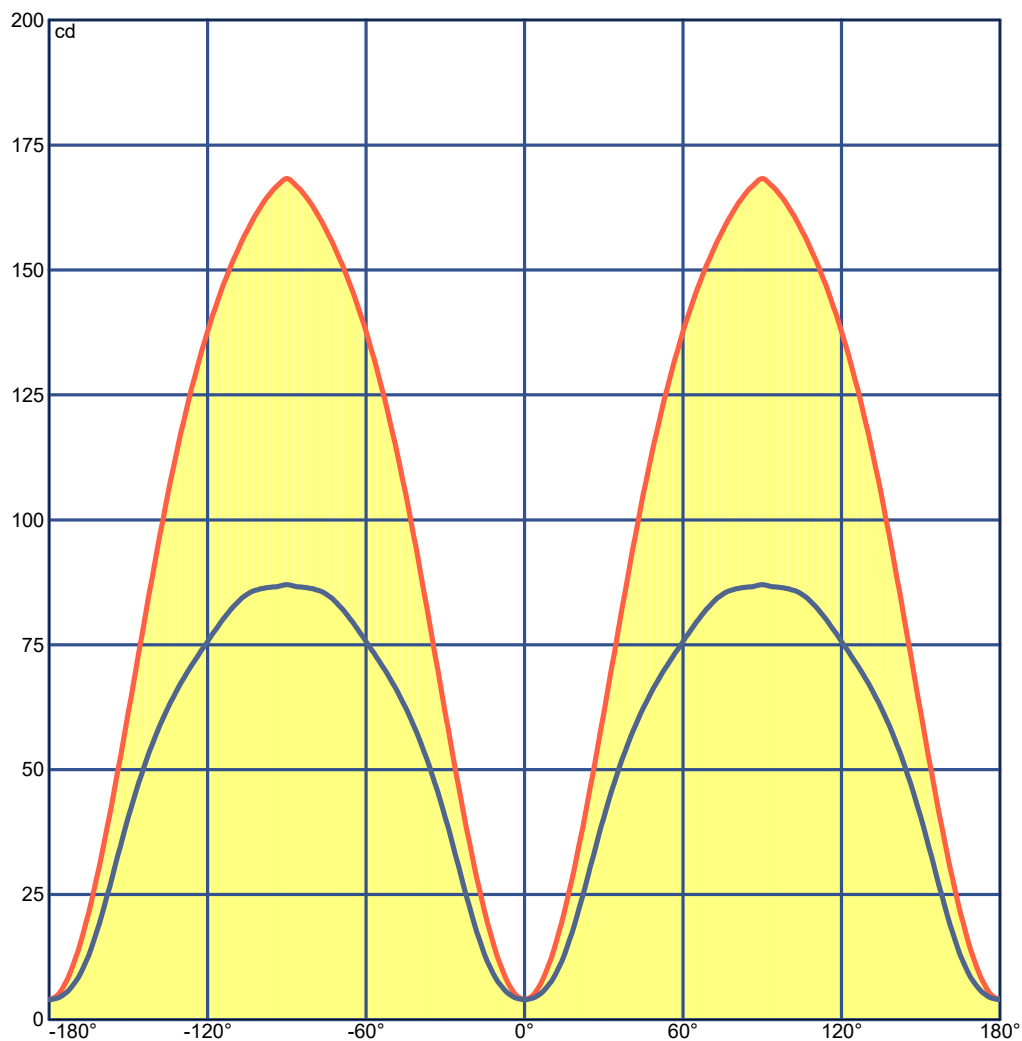
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Flujo Fuentes de luz	1328.07 lm	Valor Máximo	169.66 cd	Posición	C=15.00 G=90.00	CG Bisimétrico	

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 Longitudinal				
	Vista Lateral									
x=2H y=2H	10.2	11.2	11.1	12.1	13.4	8.8	9.8	9.7	10.8	12.0
x=2H y=3H	13.0	14.0	13.9	14.9	16.1	11.4	12.3	12.3	13.3	14.5
x=2H y=4H	14.5	15.3	15.4	16.3	17.6	12.7	13.5	13.6	14.5	15.8
x=2H y=6H	15.9	16.7	16.8	17.7	18.9	14.0	14.8	14.9	15.8	17.0
x=2H y=8H	16.6	17.4	17.5	18.3	19.6	14.6	15.4	15.5	16.4	17.6
x=2H y=12H	17.2	18.0	18.2	19.0	20.3	15.2	16.0	16.2	17.0	18.2
x=4H y=2H	11.0	11.9	11.9	12.8	14.1	10.1	11.0	11.0	11.9	13.2
x=4H y=3H	14.0	14.7	14.9	15.7	17.0	12.8	13.6	13.8	14.6	15.9
x=4H y=4H	15.5	16.2	16.5	17.2	18.5	14.2	14.9	15.2	15.9	17.2
x=4H y=6H	17.1	17.7	18.1	18.7	20.1	15.6	16.2	16.6	17.2	18.5
x=4H y=8H	17.9	18.5	18.9	19.5	20.8	16.2	16.8	17.2	17.8	19.2
x=4H y=12H	18.7	19.2	19.7	20.2	21.6	16.9	17.4	17.9	18.4	19.8
x=8H y=4H	16.0	16.6	17.0	17.6	18.9	15.0	15.6	16.0	16.6	17.9
x=8H y=6H	17.8	18.3	18.8	19.3	20.7	16.7	17.2	17.7	18.2	19.5
x=8H y=8H	18.7	19.2	19.8	20.2	21.6	17.5	17.9	18.5	19.0	20.3
x=8H y=12H	19.7	20.1	20.7	21.1	22.5	18.3	18.7	19.3	19.7	21.1
x=12H y=4H	16.7	17.3	17.7	18.3	19.6	16.4	16.9	17.4	17.9	19.2
x=12H y=6H	18.3	18.8	19.4	19.8	21.2	17.7	18.1	18.7	19.2	20.5
x=12H y=8H	19.3	19.6	20.3	20.7	22.1	18.4	18.8	19.5	19.9	21.2

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Flujo Total=1328.07 Flujo Luminaria=1328.07

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	0.06	0.11	0.16	0.21	0.26	0.35	0.41	0.46	0.54	0.60	0.74	0.84
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	1	4	19	50	104	179	274	383	500	617	726	821	896	950	981	996	999	1000

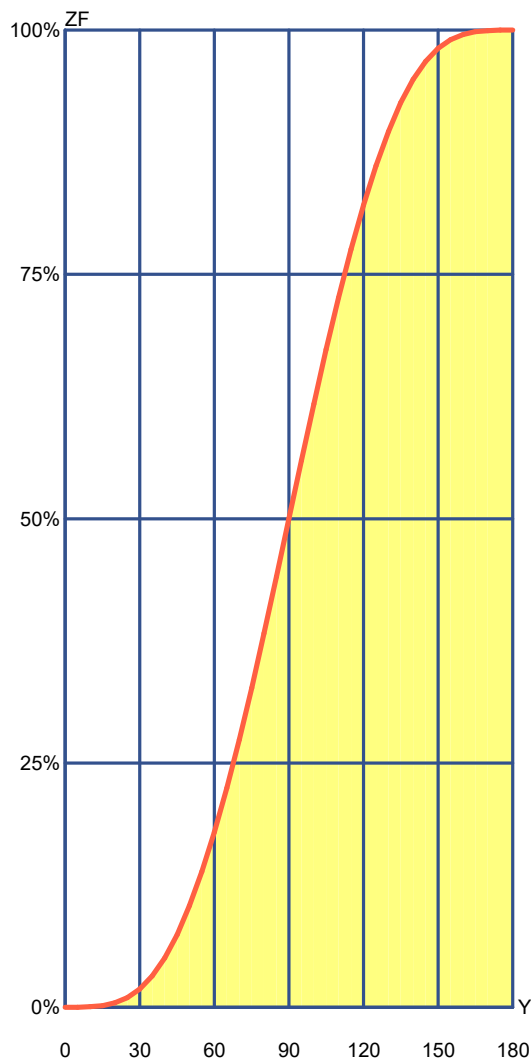
Códigos de Flujo C.I.E.

11 36 67 50 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

-/-/-/-/-/-/-/-/-/-/
C11
--
BZ 10
49.99850 %
1.0

LOR 100.00000 %
ULOR 49.99850 %
DLOR 50.00150 %
UFF 49.99850 %
DFF 50.00150 %
FFR 99.99401 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.09	0.09	0.01 %	0.01 %
10°	0.41	0.50	0.04 %	0.05 %
15°	1.21	1.71	0.12 %	0.17 %
20°	2.77	4.49	0.28 %	0.45 %
25°	5.30	9.79	0.53 %	0.98 %
30°	8.85	18.63	0.88 %	1.86 %
35°	13.29	31.92	1.33 %	3.19 %
40°	18.39	50.31	1.84 %	5.03 %
45°	23.89	74.20	2.39 %	7.42 %
50°	29.53	103.74	2.95 %	10.37 %
55°	35.09	138.83	3.51 %	13.88 %
60°	40.39	179.22	4.04 %	17.92 %
65°	45.25	224.47	4.52 %	22.45 %
70°	49.46	273.93	4.95 %	27.39 %
75°	52.96	326.89	5.30 %	32.69 %
80°	55.79	382.68	5.58 %	38.27 %
85°	57.97	440.65	5.80 %	44.07 %
90°	59.36	500.01	5.94 %	50.00 %
95°	59.36	559.38	5.94 %	55.94 %
100°	57.97	617.35	5.80 %	61.73 %
105°	55.79	673.14	5.58 %	67.31 %
110°	52.96	726.10	5.30 %	72.61 %
115°	49.46	775.56	4.95 %	77.56 %
120°	45.25	820.81	4.52 %	82.08 %
125°	40.39	861.20	4.04 %	86.12 %
130°	35.09	896.29	3.51 %	89.63 %
135°	29.53	925.82	2.95 %	92.58 %
140°	23.88	949.70	2.39 %	94.97 %
145°	18.38	968.08	1.84 %	96.81 %
150°	13.29	981.37	1.33 %	98.14 %
155°	8.85	990.21	0.88 %	99.02 %
160°	5.30	995.51	0.53 %	99.55 %
165°	2.77	998.29	0.28 %	99.83 %
170°	1.21	999.50	0.12 %	99.95 %
175°	0.41	999.91	0.04 %	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

