

Luminaire

Code 211-LED 40°
Name PLATET LED 350mA 12Vdc 4,2W 40°

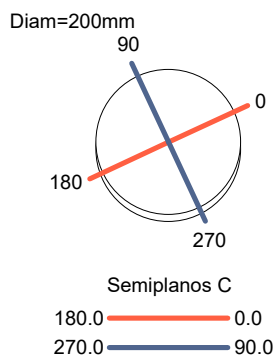
Measurem.

Code CL092A21F007G
Name PLATET LED 350mA 12Vdc 4,2W 40°

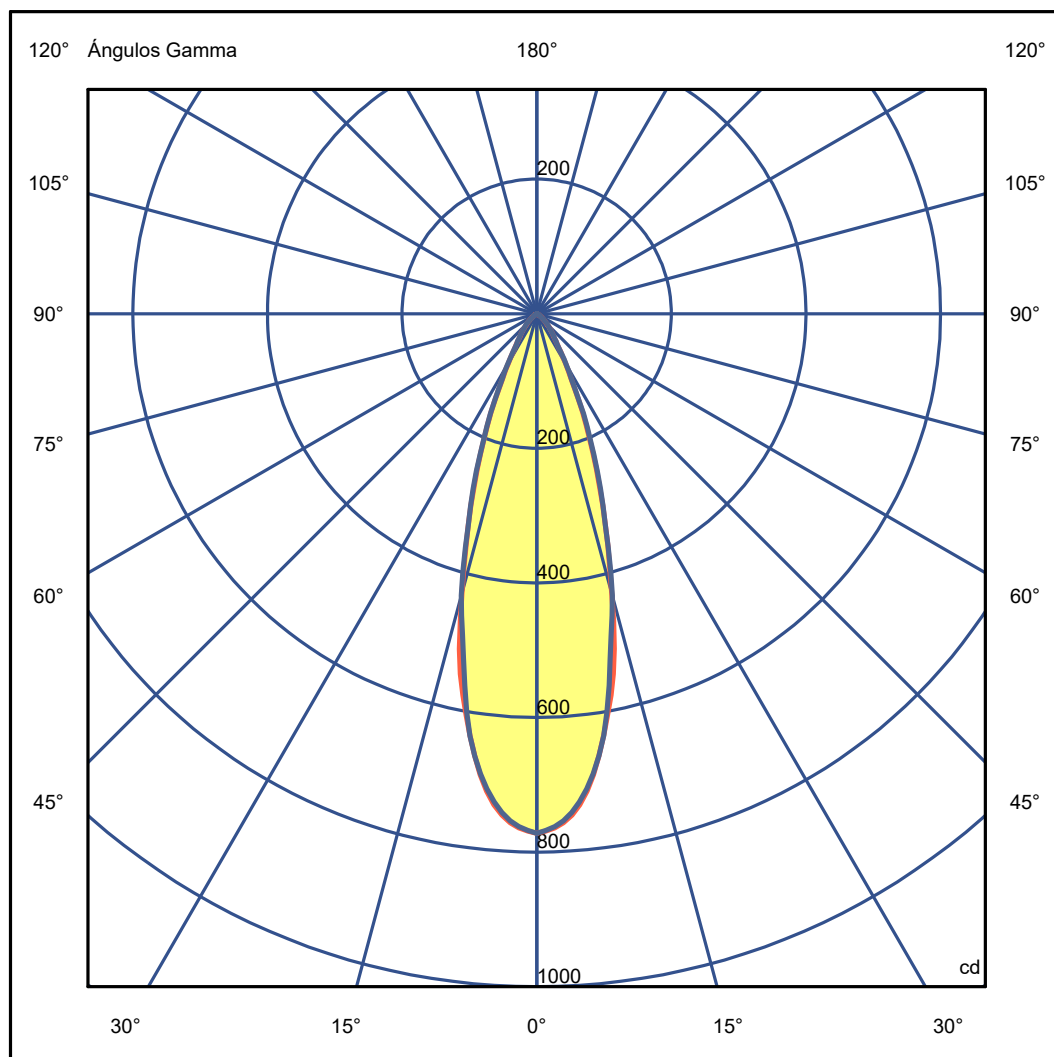
Luminaire Flux	323.36 lm	Luminaire Power	4.09 W	Efficacy	79.10 lm/W	Efficiency	100.00%
Sources Flux	323.36 lm	Maximum value	772.00 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	200 mm	Height	80 mm		
Round Luminous Area		Diam.	25 mm	Height	0 mm		
Horizontal Luminous Area		0.000491 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.000119 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		23-03-2021		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		323.36 lm	
Operator		Asselum T2		Rated Voltage		11.70 V	
Temperature		25.00 °C		Rated Current		0.35 A	
Humidity				Photocell		Prc	
Notes		RM21032301.2					

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	XHP35A-H0-0000-0D0UA4200	XLamp® XHP35 LEDs	323.36	4.08	1
C.I.E.	93 99 100 100 100	D DIN 5040	A60		
F UTE	1.00 A	B NBN	BZ 1		



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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Luminous Intensity Table cd Table 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	772.00	772.00	772.00	772.00	772.00	772.00	772.00
G 2.5	761.06	766.01	765.37	764.24	760.90	764.85	758.81
G 5.0	732.28	740.19	731.77	736.58	725.93	735.43	728.04
G 7.5	676.97	674.66	676.70	670.86	673.30	681.42	676.35
G 10.0	605.27	599.69	594.79	599.97	598.06	601.50	600.82
G 12.5	529.86	515.47	510.79	529.60	515.77	520.11	506.15
G 15.0	430.30	439.99	438.75	440.15	439.48	446.83	433.35
G 17.5	344.65	363.11	356.52	365.53	357.73	371.01	345.47
G 20.0	273.08	287.62	278.42	296.62	279.42	284.98	276.77
G 22.5	210.55	208.20	216.28	224.18	218.30	223.08	213.60
G 25.0	161.26	161.09	158.65	168.97	161.44	165.96	163.74
G 27.5	113.41	117.66	117.51	126.53	123.58	126.48	116.66
G 30.0	85.20	89.90	89.66	92.73	87.91	95.85	88.79
G 32.5	62.84	66.09	67.34	71.58	65.85	71.53	63.01
G 35.0	48.80	51.65	50.92	55.79	51.53	53.15	49.55
G 37.5	39.82	40.02	41.46	42.52	41.52	42.47	40.08
G 40.0	33.18	32.67	33.74	34.94	33.58	33.78	32.50
G 42.5	26.81	27.38	27.64	28.31	27.14	28.12	26.62
G 45.0	20.41	22.33	22.29	22.54	21.82	23.27	21.97
G 47.5	16.00	17.29	16.88	17.88	16.93	17.88	16.50
G 50.0	12.55	12.80	12.96	13.63	12.98	13.25	12.68
G 52.5	9.42	9.45	9.62	9.88	9.61	9.77	9.74
G 55.0	7.22	6.96	6.93	7.59	7.06	7.34	6.83
G 57.5	5.19	5.28	5.31	5.47	5.17	5.62	5.26
G 60.0	3.58	3.96	3.88	3.97	3.82	4.33	3.60
G 62.5	2.65	2.88	2.72	2.97	2.74	2.95	2.68
G 65.0	1.62	1.57	1.69	1.67	1.71	1.78	1.64
G 67.5	0.63	0.71	0.63	0.81	0.62	0.79	0.60
G 70.0	0.24	0.26	0.24	0.27	0.26	0.29	0.24
G 72.5	0.18	0.21	0.22	0.21	0.20	0.21	0.22
G 75.0	0.18	0.20	0.21	0.20	0.21	0.21	0.22
G 77.5	0.15	0.20	0.20	0.20	0.20	0.21	0.22
G 80.0	0.15	0.20	0.19	0.19	0.19	0.21	0.22
G 82.5	0.15	0.18	0.19	0.18	0.19	0.20	0.20
G 85.0	0.15	0.18	0.18	0.18	0.15	0.18	0.21
G 87.5	0.13	0.16	0.18	0.16	0.16	0.19	0.19
G 90.0	0.13	0.16	0.17	0.17	0.16	0.17	0.18

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Measurem.

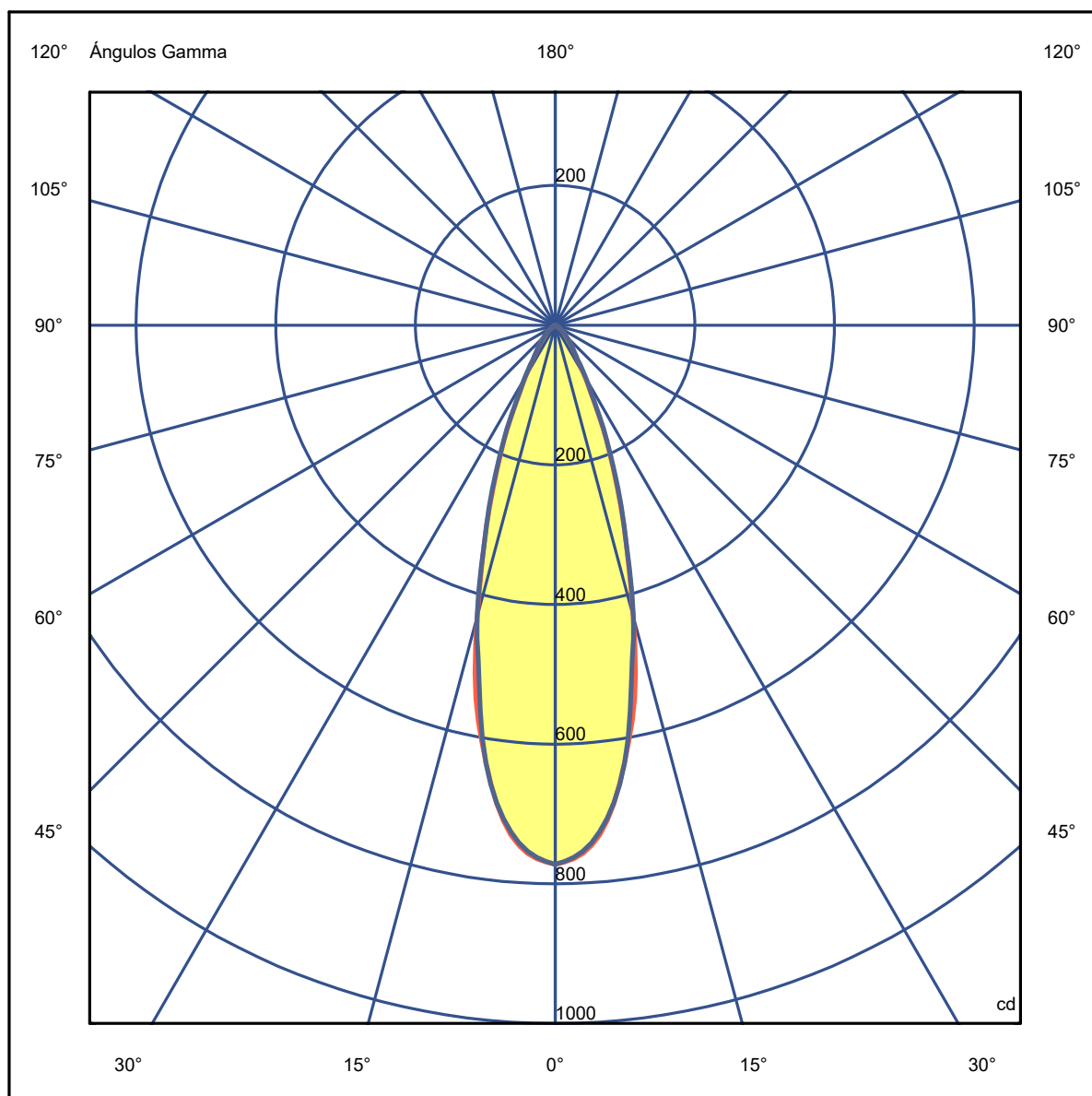
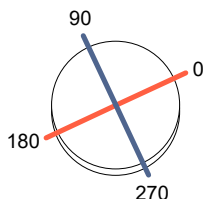
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Sources Flux	323.36 lm	Maximum value	772.00 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=200mm

Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire

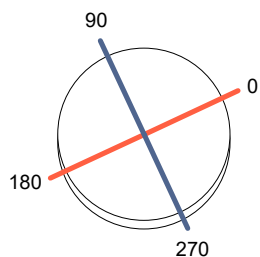
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Measurement

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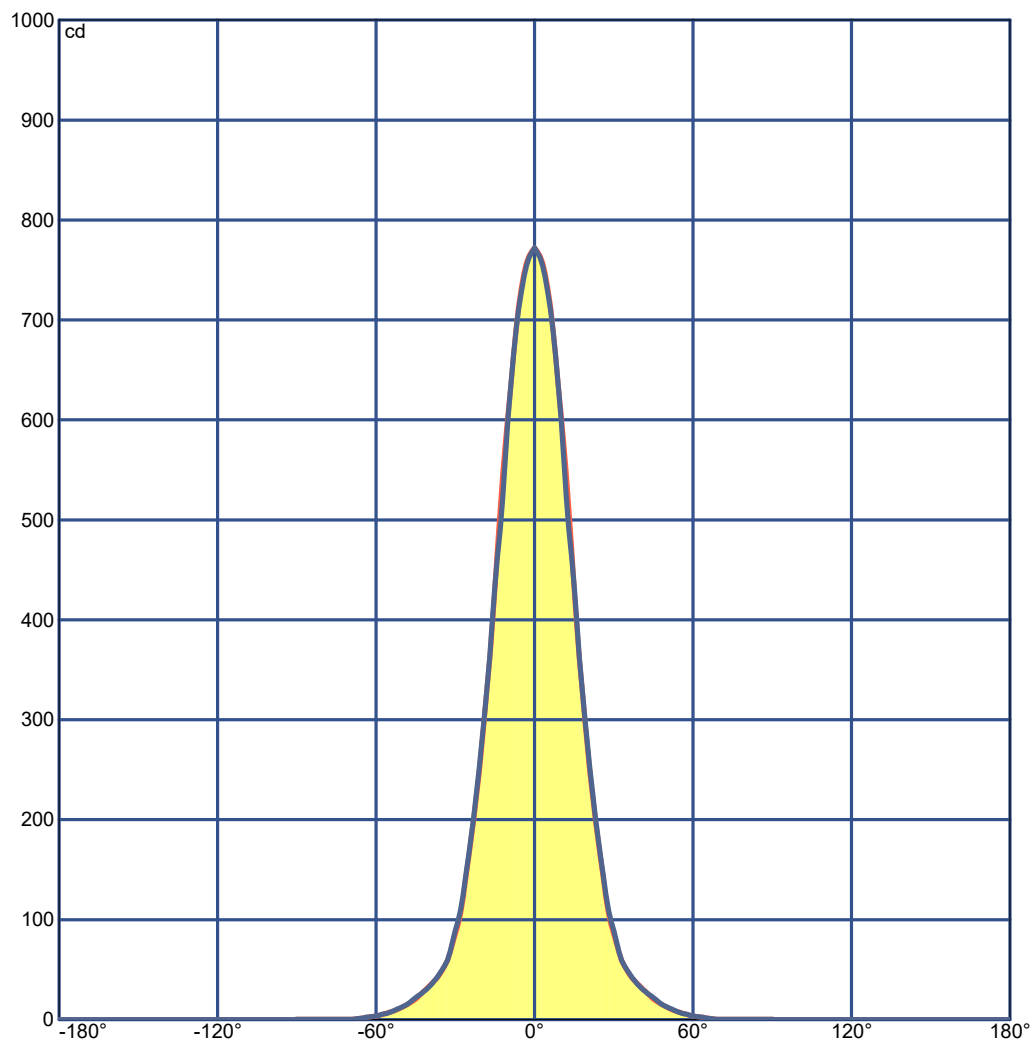
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Semiplanos C

180.0 ————— 0.0
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Measur.

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UGR
S = 0.250

Reflectancies										
Ceiling/Cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions	Lateral View					Viewed Endwise				
x=2H y=2H	20.2	20.9	20.4	21.1	21.3	20.4	21.1	20.6	21.3	21.5
x=2H y=3H	20.1	20.7	20.3	20.9	21.2	20.3	20.9	20.5	21.1	21.4
x=2H y=4H	20.0	20.6	20.3	20.8	21.1	20.2	20.8	20.5	21.1	21.3
x=2H y=6H	19.9	20.5	20.2	20.8	21.0	20.1	20.7	20.5	21.0	21.2
x=2H y=8H	19.9	20.4	20.2	20.7	21.0	20.1	20.6	20.4	20.9	21.2
x=2H y=12H	19.8	20.4	20.2	20.7	21.0	20.1	20.6	20.4	20.9	21.2
x=4H y=2H	20.1	20.7	20.4	20.9	21.2	20.3	20.9	20.6	21.1	21.4
x=4H y=3H	19.9	20.5	20.3	20.8	21.1	20.1	20.7	20.5	21.0	21.3
x=4H y=4H	19.9	20.3	20.3	20.6	21.0	20.1	20.5	20.5	20.8	21.2
x=4H y=6H	19.8	20.2	20.2	20.5	20.9	20.0	20.4	20.4	20.7	21.1
x=4H y=8H	19.8	20.1	20.2	20.5	20.9	20.0	20.3	20.4	20.7	21.1
x=4H y=12H	19.8	20.0	20.2	20.4	20.9	20.0	20.2	20.4	20.6	21.1
x=8H y=4H	19.8	20.1	20.2	20.5	20.9	20.0	20.3	20.4	20.7	21.1
x=8H y=6H	19.7	19.9	20.1	20.4	20.8	19.9	20.1	20.3	20.6	21.0
x=8H y=8H	19.7	19.9	20.1	20.3	20.8	19.9	20.1	20.3	20.5	21.0
x=8H y=12H	19.6	19.8	20.1	20.3	20.8	19.8	20.0	20.3	20.5	21.0
x=12H y=4H	19.7	20.0	20.2	20.4	20.8	19.9	20.2	20.4	20.6	21.0
x=12H y=6H	19.6	19.9	20.1	20.3	20.8	19.9	20.1	20.3	20.5	21.0
x=12H y=8H	19.6	19.8	20.1	20.3	20.8	19.8	20.0	20.3	20.5	21.0

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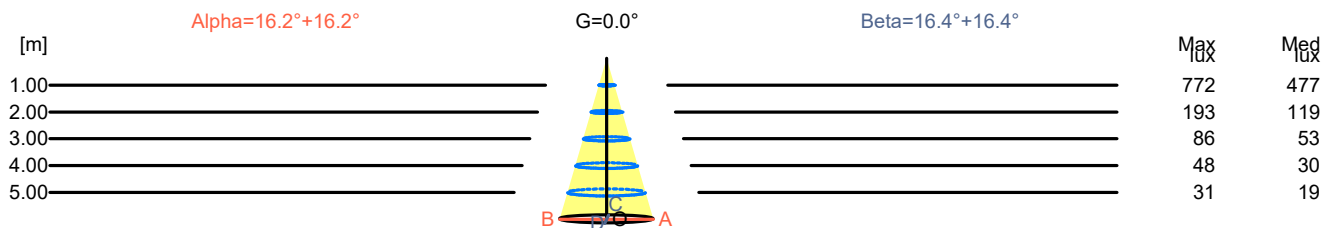
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Sources Flux	323.36 lm	Maximum value	772.00 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

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	0.29	0.58	0.87	1.16	1.45	OC	0.29	0.59	0.88	1.17	1.47
OB	0.29	0.58	0.87	1.16	1.45	OD	0.29	0.59	0.88	1.17	1.47

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	772.00	732.28	430.30	161.26	48.80	20.41	7.22	1.62	0.18	0.15
OB	772.00	732.28	430.30	161.26	48.80	20.41	7.22	1.62	0.18	0.15
OC	772.00	728.04	433.35	163.74	49.55	21.97	6.83	1.64	0.22	0.21
OD	772.00	728.04	433.35	163.74	49.55	21.97	6.83	1.64	0.22	0.21



H[m]	D[m]	Max lux	Med lux	Alpha=16.2°+16.2°	G=0.0
1.00	0.58	772	477		
2.00	1.16	193	119		
3.00	1.75	86	53		
4.00	2.33	48	30		
5.00	2.91	31	19		

H[m]	D[m]	Max lux	Med lux	Beta=16.4°+16.4°	G=0.0
1.00	0.59	772	477		
2.00	1.17	193	119		
3.00	1.76	86	53		
4.00	2.35	48	30		
5.00	2.93	31	19		

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Flujo Total=323.36 Flujo Luminaria=323.36

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	0.68	0.73	0.78	0.83	0.85	0.90	0.94	0.96	0.98	0.99	1.01	1.01
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)	203	574	813	919	972	993	999	999	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

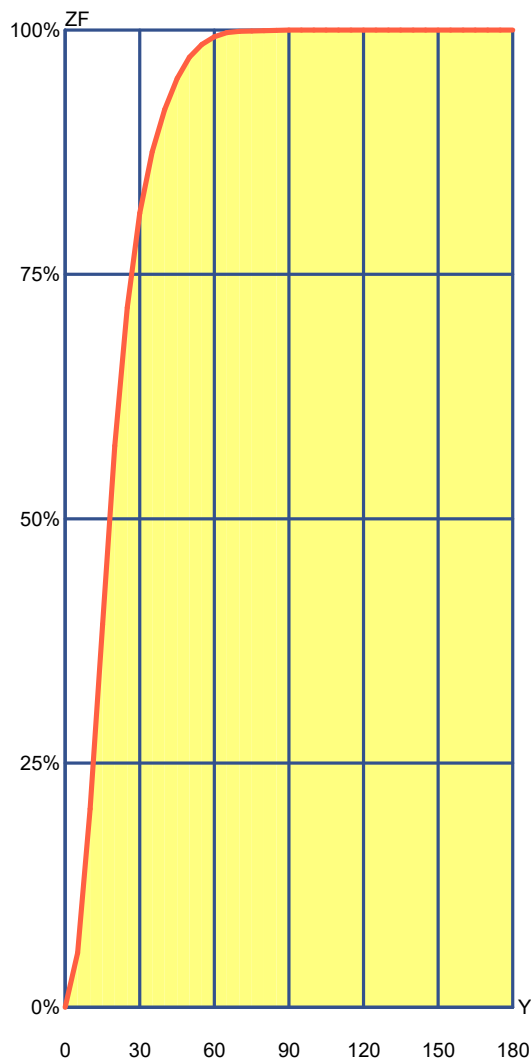
Códigos de Flujo C.I.E.

93 99 100 100 100

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

-/-/-/-/-/-/-/-/-/-
A60
1.00 A
BZ 1
0.00000 %
1.0

LOR 100.00000 %
ULOR 0.00000 %
DLOR 100.00000 %
UFF 0.00000 %
DFF 100.00000 %
FFR 0.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	55.70	55.70	5.57 %	5.57 %
10°	147.24	202.94	14.72 %	20.29 %
15°	188.93	391.87	18.89 %	39.19 %
20°	182.49	574.36	18.25 %	57.44 %
25°	141.81	716.17	14.18 %	71.62 %
30°	96.44	812.61	9.64 %	81.26 %
35°	62.92	875.53	6.29 %	87.55 %
40°	43.28	918.80	4.33 %	91.88 %
45°	31.68	950.49	3.17 %	95.05 %
50°	21.70	972.19	2.17 %	97.22 %
55°	13.24	985.44	1.32 %	98.54 %
60°	7.77	993.20	0.78 %	99.32 %
65°	4.22	997.42	0.42 %	99.74 %
70°	1.30	998.72	0.13 %	99.87 %
75°	0.36	999.07	0.04 %	99.91 %
80°	0.33	999.40	0.03 %	99.94 %
85°	0.31	999.71	0.03 %	99.97 %
90°	0.29	1000.00	0.03 %	100.00 %
95°	0.00	1000.00	0.00 %	100.00 %
100°	0.00	1000.00	0.00 %	100.00 %
105°	0.00	1000.00	0.00 %	100.00 %
110°	0.00	1000.00	0.00 %	100.00 %
115°	0.00	1000.00	0.00 %	100.00 %
120°	0.00	1000.00	0.00 %	100.00 %
125°	0.00	1000.00	0.00 %	100.00 %
130°	0.00	1000.00	0.00 %	100.00 %
135°	0.00	1000.00	0.00 %	100.00 %
140°	0.00	1000.00	0.00 %	100.00 %
145°	0.00	1000.00	0.00 %	100.00 %
150°	0.00	1000.00	0.00 %	100.00 %
155°	0.00	1000.00	0.00 %	100.00 %
160°	0.00	1000.00	0.00 %	100.00 %
165°	0.00	1000.00	0.00 %	100.00 %
170°	0.00	1000.00	0.00 %	100.00 %
175°	0.00	1000.00	0.00 %	100.00 %
180°	0.00	1000.00	0.00 %	100.00 %

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Isolux (Floor)

Luminaire position X=0.00m Y=0.00m Z=2.50m

