

**Luminaire**

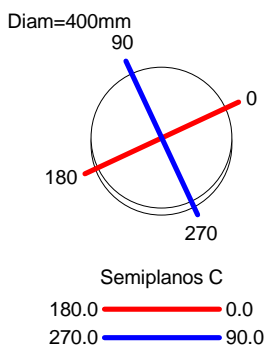
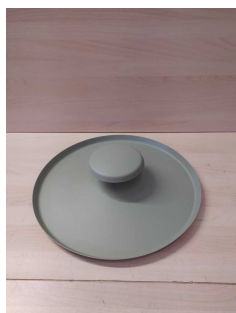
Code 115547  
Name TOP

**Measur.**

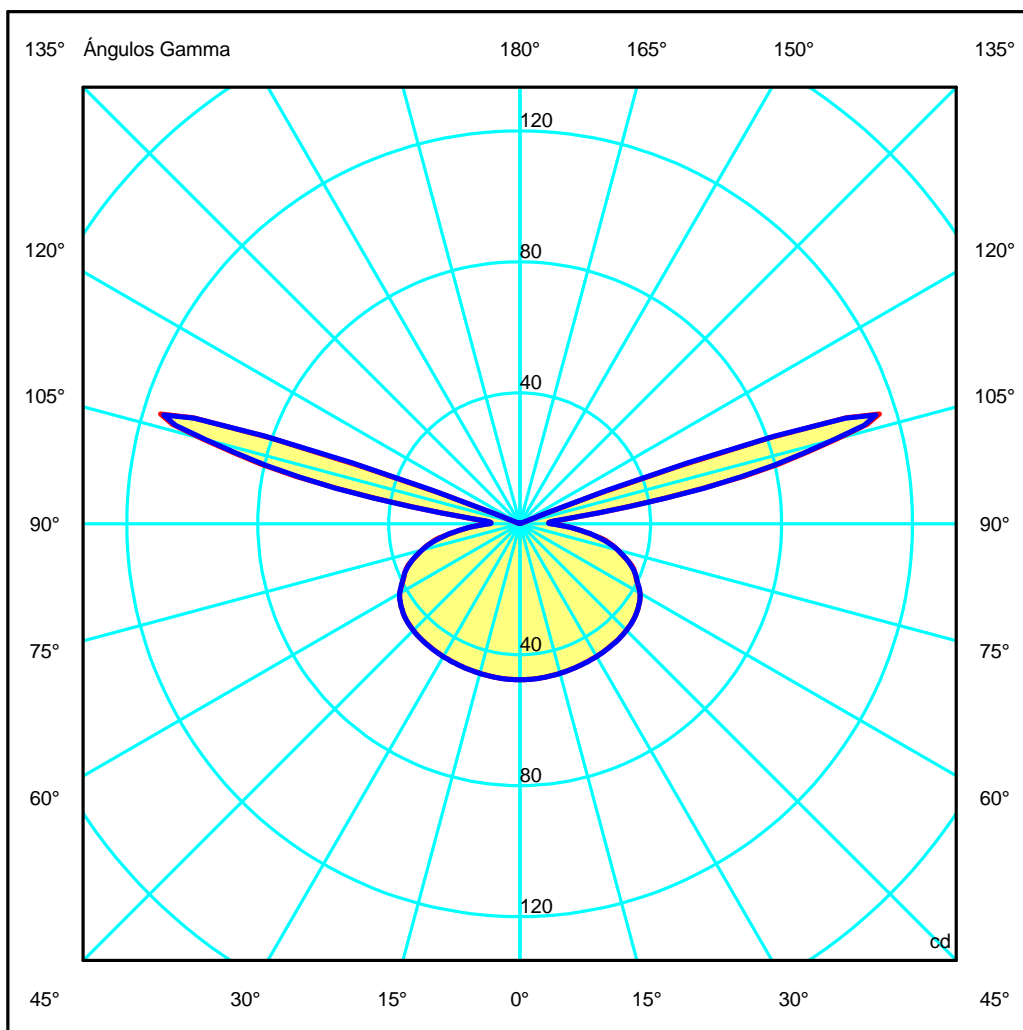
Code CL252A20F013G  
Name 2700K CRI90

Luminaire Flux	349.72 lm	Luminaire Power	16.60 W	Efficacy	21.06 lm/W	Efficiency	100.00%
Sources Flux	349.72 lm	Maximum value	112.03 cd	Position	C=0.00 G=107.50	CG Double Symmetrical	
Round Luminaire		Diam.	400 mm	Height	100 mm		
Round Luminous Area		Diam.	130 mm	Height	0 mm		
Horizontal Luminous Area		0.013273 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°		0.003211 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		19-05-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		349.72 lm	
Operator		Asselum T2		Rated Voltage		230.19 V	
Temperature		25.20 °C		Rated Current		0.07 A	
Humidity		45.80 %		Photocell		Prc	
Notes		RM20051807.1					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
NICHIA NF2L757GRT-V3F1 sm27		5752849		Name LED PLATE 18,3W 500mA		349.72	16.60	1
C.I.E.	31 62 87 67 100			D DIN 5040	B21			
F UTE	0.67 I + 0.33 T			B NBN	BZ 7 / 0.8 / BZ 6			



ULOR 33.12 %  
DLOR 66.88 %  
RN 33.12 %



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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	48	48	48	48	48	48	48
G 2.5	48	48	48	48	48	48	48
G 5.0	48	48	48	48	48	48	48
G 7.5	48	47	47	48	48	48	47
G 10.0	47	47	47	47	47	47	47
G 12.5	47	47	47	47	47	47	47
G 15.0	47	47	47	47	47	47	47
G 17.5	47	47	47	47	47	47	47
G 20.0	47	47	47	47	47	47	47
G 22.5	47	47	47	47	47	47	47
G 25.0	47	47	47	47	47	47	47
G 27.5	47	47	47	47	47	47	47
G 30.0	47	47	47	47	47	47	47
G 32.5	47	47	47	47	47	47	47
G 35.0	47	47	47	47	47	47	47
G 37.5	46	46	46	47	47	46	47
G 40.0	46	46	46	46	46	46	46
G 42.5	46	46	46	46	46	46	46
G 45.0	46	46	46	46	46	46	46
G 47.5	46	46	46	46	46	46	46
G 50.0	45	45	45	45	45	45	45
G 52.5	45	45	45	45	45	45	45
G 55.0	44	44	44	44	44	44	44
G 57.5	43	43	43	43	43	43	43
G 60.0	42	42	42	42	42	42	42
G 62.5	41	41	41	41	41	41	41
G 65.0	39	39	39	39	39	39	39
G 67.5	38	38	38	38	38	38	38
G 70.0	36	36	36	36	36	36	36
G 72.5	33	33	34	34	34	34	34
G 75.0	31	31	31	31	31	31	31
G 77.5	28	28	28	28	28	28	28
G 80.0	25	25	25	25	25	25	25
G 82.5	21	21	21	21	21	21	21
G 85.0	17	17	17	17	17	17	17
G 87.5	13	13	13	13	13	13	13
G 90.0	10	10	9	10	9	10	9
G 92.5	9	9	9	9	9	9	9
G 95.0	11	12	10	11	10	12	10
G 97.5	21	24	24	25	22	24	20
G100.0	44	46	45	46	45	46	45
G102.5	76	74	72	71	72	73	75
G105.0	100	98	100	98	100	98	99
G107.5	112	102	109	98	110	100	111
G110.0	52	56	55	56	54	55	55
G112.5	1	9	5	11	4	9	3
G115.0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

**Luminaire**

Code 115547

Name TOP

**Measurem.**

Code CL252A20F013G

Name 2700K CRI90

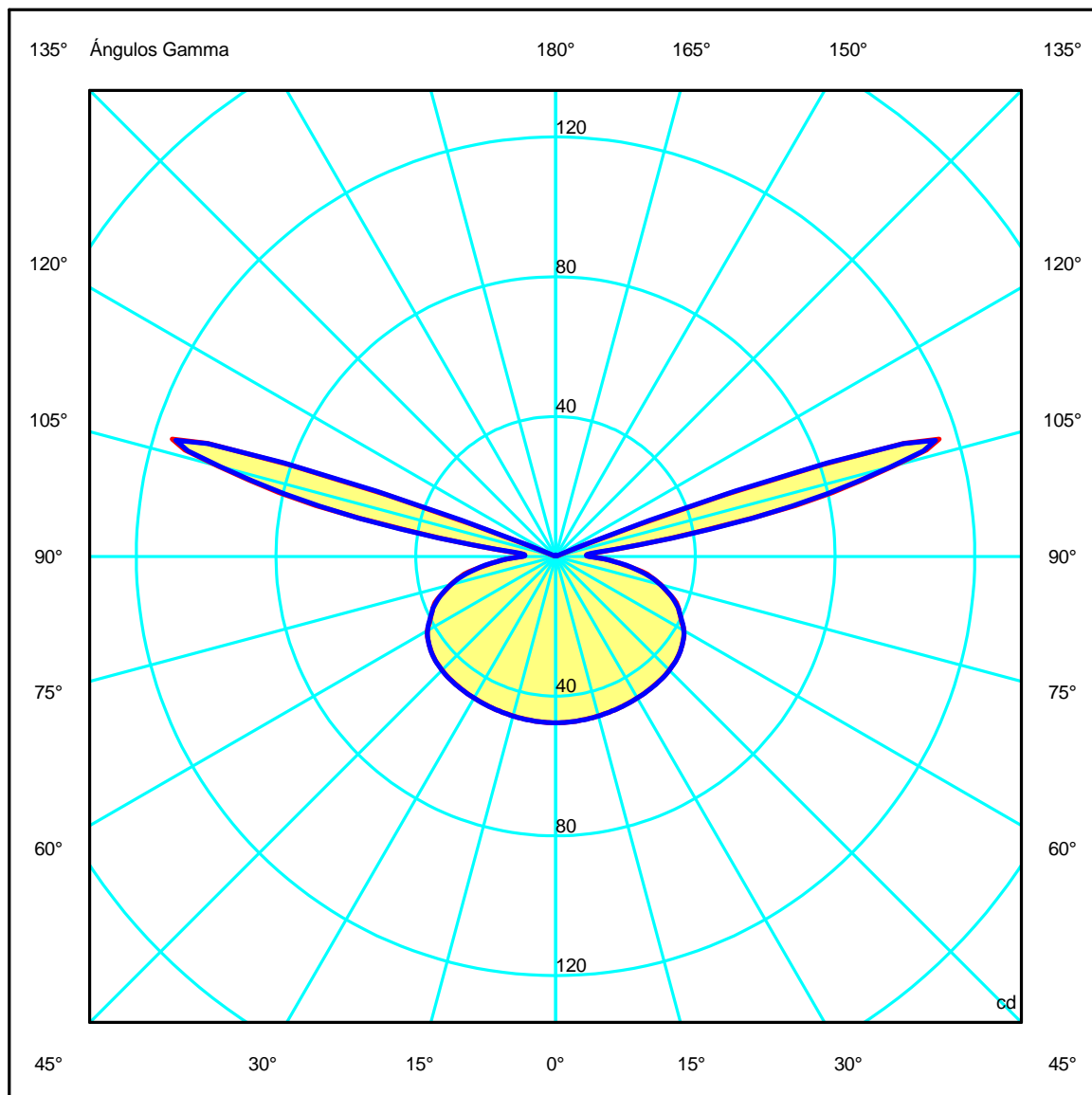
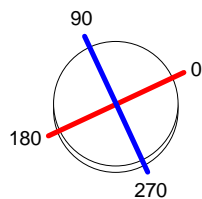
Luminaire Flux	349.72 lm	Luminaire Power	16.60 W	Efficacy	21.06 lm/W	Efficiency	100.00%
Sources Flux	349.72 lm	Maximum value	112.03 cd	Position	C=0.00 G=107.50	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



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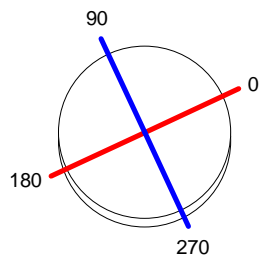
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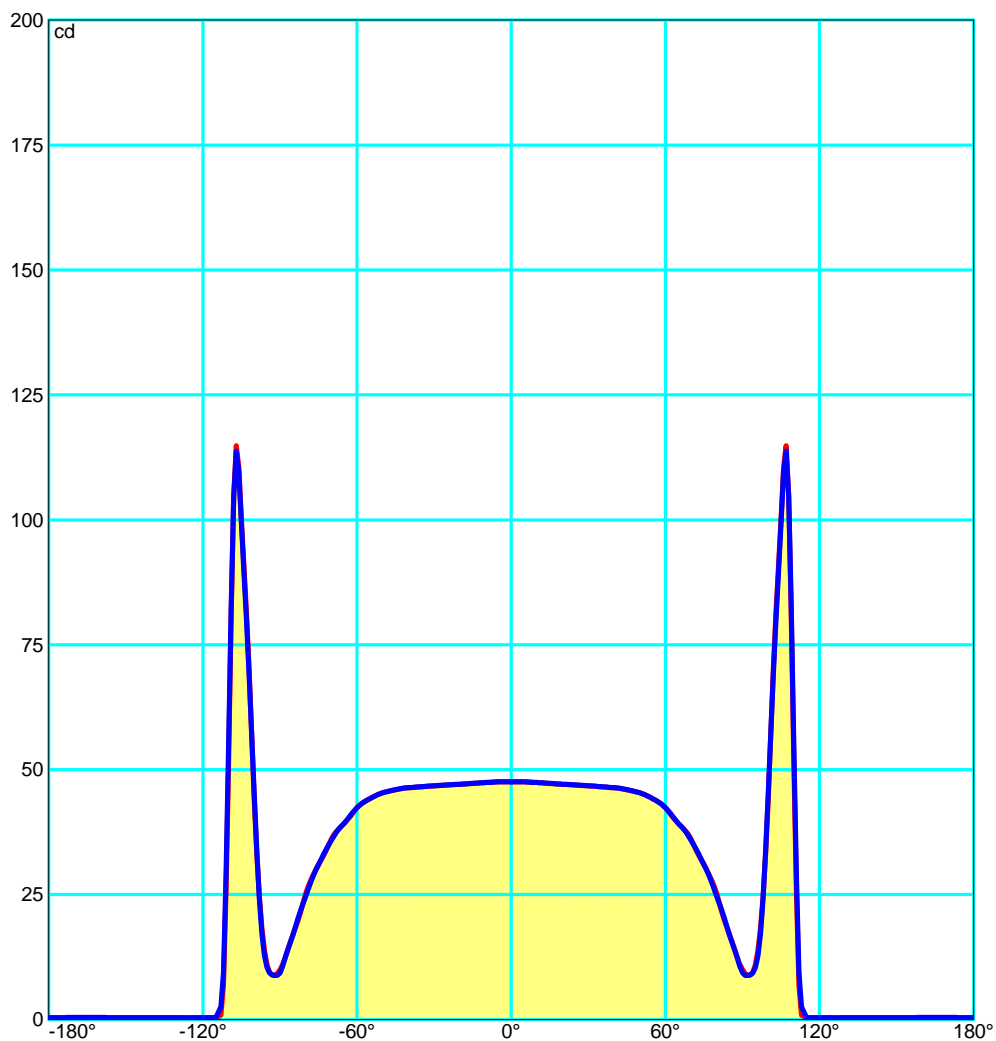
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Diam=400mm



Semiplanos C

180.0 ————— 0.0  
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Sources Flux	349.72 lm	Maximum value	112.03 cd	Position	C=0.00 G=107.50	CG Double Symmetrical	

**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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	16.8	17.9	17.6	18.7	19.5	16.8	17.9	17.6	18.7	19.5
x=2H y=3H	19.5	20.5	20.3	21.3	22.2	19.5	20.5	20.3	21.3	22.2
x=2H y=4H	20.9	21.8	21.6	22.6	23.5	20.9	21.8	21.6	22.6	23.5
x=2H y=6H	22.2	23.0	23.0	23.8	24.8	22.2	23.0	22.9	23.8	24.8
x=2H y=8H	22.8	23.6	23.5	24.4	25.4	22.7	23.6	23.5	24.4	25.3
x=2H y=12H	23.3	24.1	24.1	24.9	25.9	23.3	24.1	24.1	24.9	25.9
x=4H y=2H	17.9	18.8	18.6	19.6	20.5	17.9	18.8	18.6	19.6	20.5
x=4H y=3H	20.7	21.5	21.5	22.3	23.3	20.7	21.5	21.5	22.3	23.3
x=4H y=4H	22.2	22.8	23.0	23.7	24.7	22.2	22.8	23.0	23.7	24.7
x=4H y=6H	23.6	24.2	24.4	25.0	26.1	23.6	24.2	24.4	25.0	26.0
x=4H y=8H	24.2	24.8	25.1	25.7	26.7	24.2	24.8	25.1	25.6	26.7
x=4H y=12H	24.9	25.4	25.7	26.3	27.3	24.9	25.4	25.7	26.2	27.3
x=8H y=4H	22.7	23.3	23.6	24.2	25.2	22.7	23.3	23.6	24.2	25.2
x=8H y=6H	24.4	24.9	25.3	25.7	26.8	24.4	24.8	25.2	25.7	26.8
x=8H y=8H	25.2	25.6	26.1	26.5	27.6	25.2	25.6	26.1	26.5	27.6
x=8H y=12H	26.0	26.4	26.9	27.3	28.4	26.0	26.3	26.9	27.2	28.4
x=12H y=4H	22.9	23.4	23.7	24.2	25.3	22.9	23.4	23.7	24.2	25.3
x=12H y=6H	24.6	25.0	25.5	25.9	27.0	24.6	25.0	25.4	25.9	27.0
x=12H y=8H	25.5	25.8	26.4	26.7	27.8	25.5	25.8	26.4	26.7	27.8

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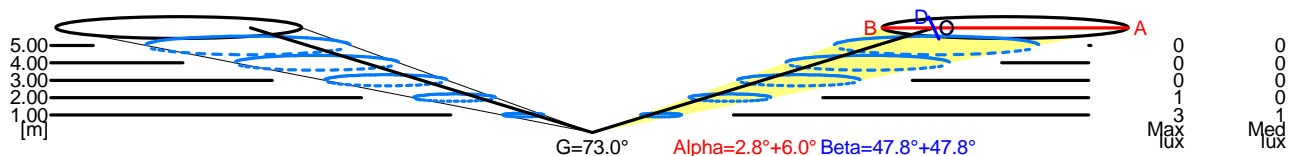
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Sources Flux	349.72 lm	Maximum value	112.03 cd	Position	C=0.00 G=107.50	CG	Double Symmetrical

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	1.86	3.73	5.59	7.45	9.32	OC	3.77	7.55	11.32	15.09	18.86
OB	0.49	0.99	1.48	1.97	2.47	OD	3.77	7.55	11.32	15.09	18.86

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	0.36	0.36	0.40	0.36	0.36	0.36	0.33	0.36	100.06	11.00
OB	0.36	0.36	0.40	0.36	0.36	0.36	0.33	0.36	100.06	11.00
OC	0.36	0.38	0.42	0.40	0.40	0.40	0.38	0.38	99.34	10.41
OD	0.36	0.38	0.42	0.40	0.40	0.40	0.38	0.38	99.34	10.41



5.00	11.78	0	0	
4.00	9.43	0	0	
3.00	7.07	0	0	
2.00	4.71	1	0	
1.00	2.36	3	1	
H[m]	D[m]	Max lux	Med lux	Alpha=2.8°+6.0° G=73.0

5.00	37.73	0	0	
4.00	30.18	0	0	
3.00	22.64	0	0	
2.00	15.09	1	0	
1.00	7.55	3	1	
H[m]	D[m]	Max lux	Med lux	Beta=47.8°+47.8° G=0.0

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Flujo Total=349.72 Flujo Luminaria=349.72

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	0.20	0.27	0.34	0.40	0.46	0.55	0.62	0.66	0.73	0.77	0.87	0.93
RC	8	8	8	8	8	7	7	7	7	7	7	7

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	51	113	197	299	412	523	616	669	724	971	997	998	998	999	1000	1000	1000

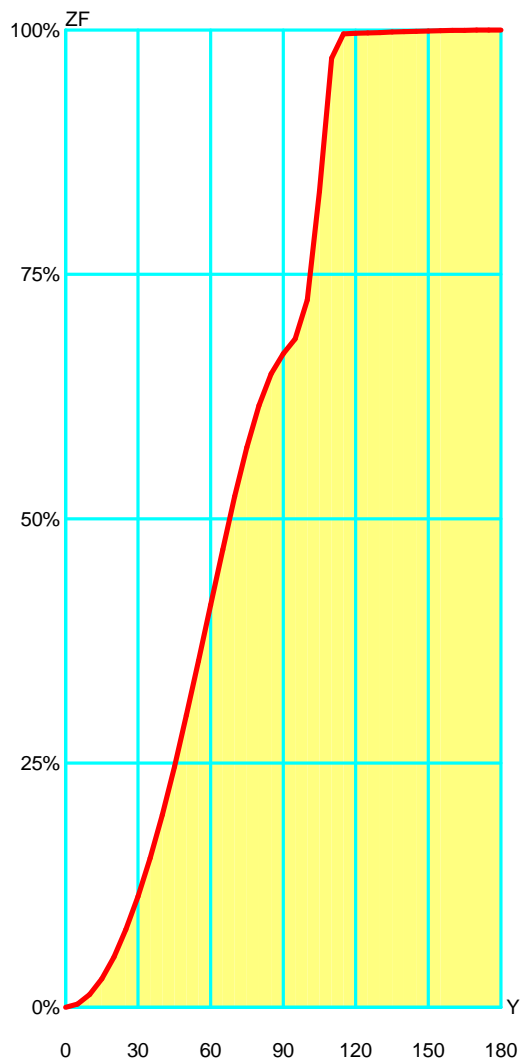
Códigos de Flujo C.I.E.

31 62 87 67 100

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

8/8/8/8/7/7/7/7/7/7  
B21  
0.67 I + 0.33 T  
BZ 7 / 0.8 / BZ 6  
33.11978 %  
1.0

LOR 100.00000 %  
ULOR 33.11978 %  
DLOR 66.88022 %  
UFF 33.11978 %  
DFF 66.88022 %  
FFR 49.52104 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.25	3.25	0.33 %	0.33 %
10°	9.72	12.97	0.97 %	1.30 %
15°	16.06	29.02	1.61 %	2.90 %
20°	22.22	51.25	2.22 %	5.12 %
25°	28.18	79.43	2.82 %	7.94 %
30°	33.90	113.33	3.39 %	11.33 %
35°	39.30	152.64	3.93 %	15.26 %
40°	44.34	196.98	4.43 %	19.70 %
45°	48.92	245.90	4.89 %	24.59 %
50°	52.78	298.68	5.28 %	29.87 %
55°	55.71	354.38	5.57 %	35.44 %
60°	57.23	411.62	5.72 %	41.16 %
65°	56.67	468.28	5.67 %	46.83 %
70°	54.53	522.81	5.45 %	52.28 %
75°	50.01	572.83	5.00 %	57.28 %
80°	42.83	615.66	4.28 %	61.57 %
85°	32.52	648.17	3.25 %	64.82 %
90°	20.63	668.80	2.06 %	66.88 %
95°	14.98	683.78	1.50 %	68.38 %
100°	40.00	723.78	4.00 %	72.38 %
105°	111.02	834.80	11.10 %	83.48 %
110°	136.30	971.10	13.63 %	97.11 %
115°	25.01	996.12	2.50 %	99.61 %
120°	0.50	996.61	0.05 %	99.66 %
125°	0.47	997.08	0.05 %	99.71 %
130°	0.44	997.52	0.04 %	99.75 %
135°	0.43	997.95	0.04 %	99.80 %
140°	0.41	998.36	0.04 %	99.84 %
145°	0.37	998.72	0.04 %	99.87 %
150°	0.32	999.05	0.03 %	99.90 %
155°	0.28	999.32	0.03 %	99.93 %
160°	0.24	999.56	0.02 %	99.96 %
165°	0.19	999.75	0.02 %	99.98 %
170°	0.14	999.89	0.01 %	99.99 %
175°	0.08	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

