

Luminaire

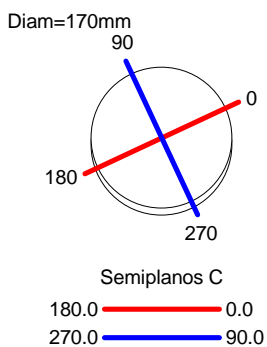
Code 115410
Name TOP

Measur.

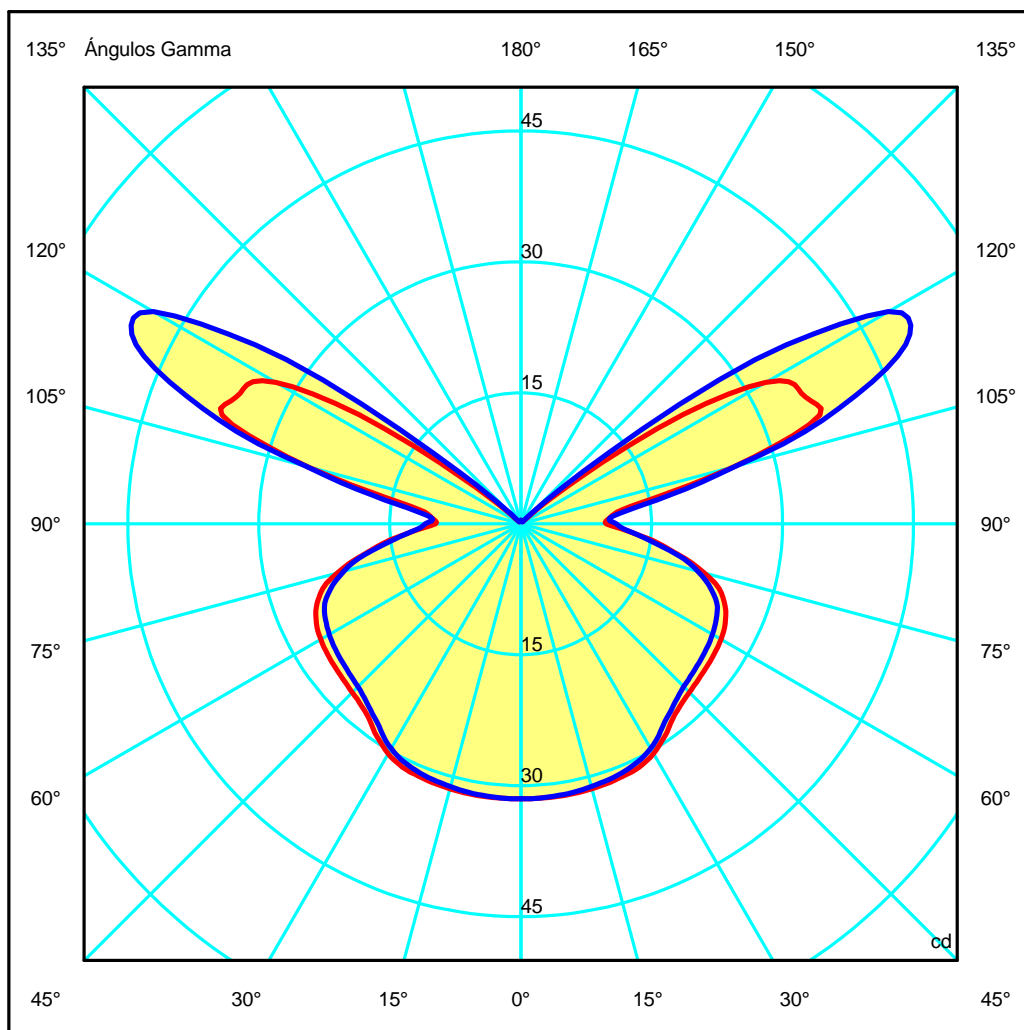
Code CL252A20F016G
Name 2700K CRI90

Luminaire Flux	263.64 lm	Luminaire Power	6.87 W	Efficacy	38.37 lm/W	Efficiency	100.00%
Sources Flux	263.64 lm	Maximum value	53.87 cd	Position	C=60.00 G=117.50	CG	Double Symmetrical
Round Luminaire		Diam.	170 mm	Height	60 mm		
Round Luminous Area		Diam.	100 mm	Height	0 mm		
Horizontal Luminous Area		0.007854 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°		0.001900 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		19-05-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		263.64 lm	
Operator		ASSELUM		Rated Voltage		230.21 V	
Temperature		25.10 °C		Rated Current		0.07 A	
Humidity		46.00 %		Photocell		Prc	
Notes		RM20051807.4					

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
NICHIA NF2L757GRT-V3F1 sm27		5752664		Name LED PLATE 6,3W 150mA		263.64	6.87	1
C.I.E.	31 59 84 57 100	D DIN 5040		C21				
F UTE	0.57 H + 0.43 T	B NBN		BZ 7 / 0.8 / BZ 6				



ULOR 43.10 %
DLOR 56.90 %
RN 43.10 %



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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	31	31	31	31	31	31	31
G 2.5	31	31	31	31	31	31	31
G 5.0	31	31	31	31	31	31	31
G 7.5	31	31	31	31	31	31	31
G 10.0	31	31	31	31	31	31	31
G 12.5	31	31	31	31	31	31	31
G 15.0	31	31	31	31	31	31	31
G 17.5	31	31	31	31	31	31	31
G 20.0	31	31	31	31	31	31	31
G 22.5	31	31	31	31	31	31	31
G 25.0	31	31	31	31	31	31	31
G 27.5	31	31	31	30	30	30	30
G 30.0	30	30	30	30	30	30	30
G 32.5	30	30	30	29	29	29	29
G 35.0	29	29	29	29	29	28	28
G 37.5	28	28	28	28	28	28	28
G 40.0	28	28	28	27	27	27	27
G 42.5	28	27	27	27	27	27	27
G 45.0	27	27	27	27	27	26	26
G 47.5	27	27	27	26	26	26	26
G 50.0	27	27	26	26	26	26	26
G 52.5	27	27	26	26	26	26	26
G 55.0	27	26	26	26	26	26	26
G 57.5	27	26	26	26	26	26	26
G 60.0	26	26	26	26	26	25	25
G 62.5	26	26	26	25	25	25	25
G 65.0	26	26	25	25	25	25	25
G 67.5	25	25	25	25	24	24	24
G 70.0	25	24	24	24	24	24	24
G 72.5	24	23	23	23	23	23	22
G 75.0	22	22	21	21	21	21	21
G 77.5	20	20	20	19	19	19	19
G 80.0	17	17	17	17	17	17	17
G 82.5	15	15	15	15	15	15	15
G 85.0	13	13	13	13	13	13	13
G 87.5	11	11	11	11	11	12	12
G 90.0	10	10	10	10	10	11	11
G 92.5	10	10	10	10	10	10	10
G 95.0	10	10	11	11	11	11	11
G 97.5	11	11	11	11	12	12	13
G100.0	14	14	14	15	15	15	16
G102.5	19	19	20	20	20	20	20
G105.0	25	26	26	26	26	26	25
G107.5	31	32	32	32	32	33	33
G110.0	36	38	39	39	40	39	39
G112.5	36	40	44	46	47	46	44
G115.0	35	42	47	50	51	50	49
G117.5	35	42	49	53	54	53	50
G120.0	32	40	47	52	53	51	49
G122.5	27	34	40	44	45	44	42
G125.0	19	25	29	33	33	33	33
G127.5	10	14	17	20	20	20	20
G130.0	5	7	9	10	10	10	9
G132.5	2	2	3	3	4	4	4
G135.0	1	1	1	1	1	1	2
G137.5	0	0	0	0	0	0	1
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 115410

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Measur.

Code CL252A20F016G

Name 2700K CRI90

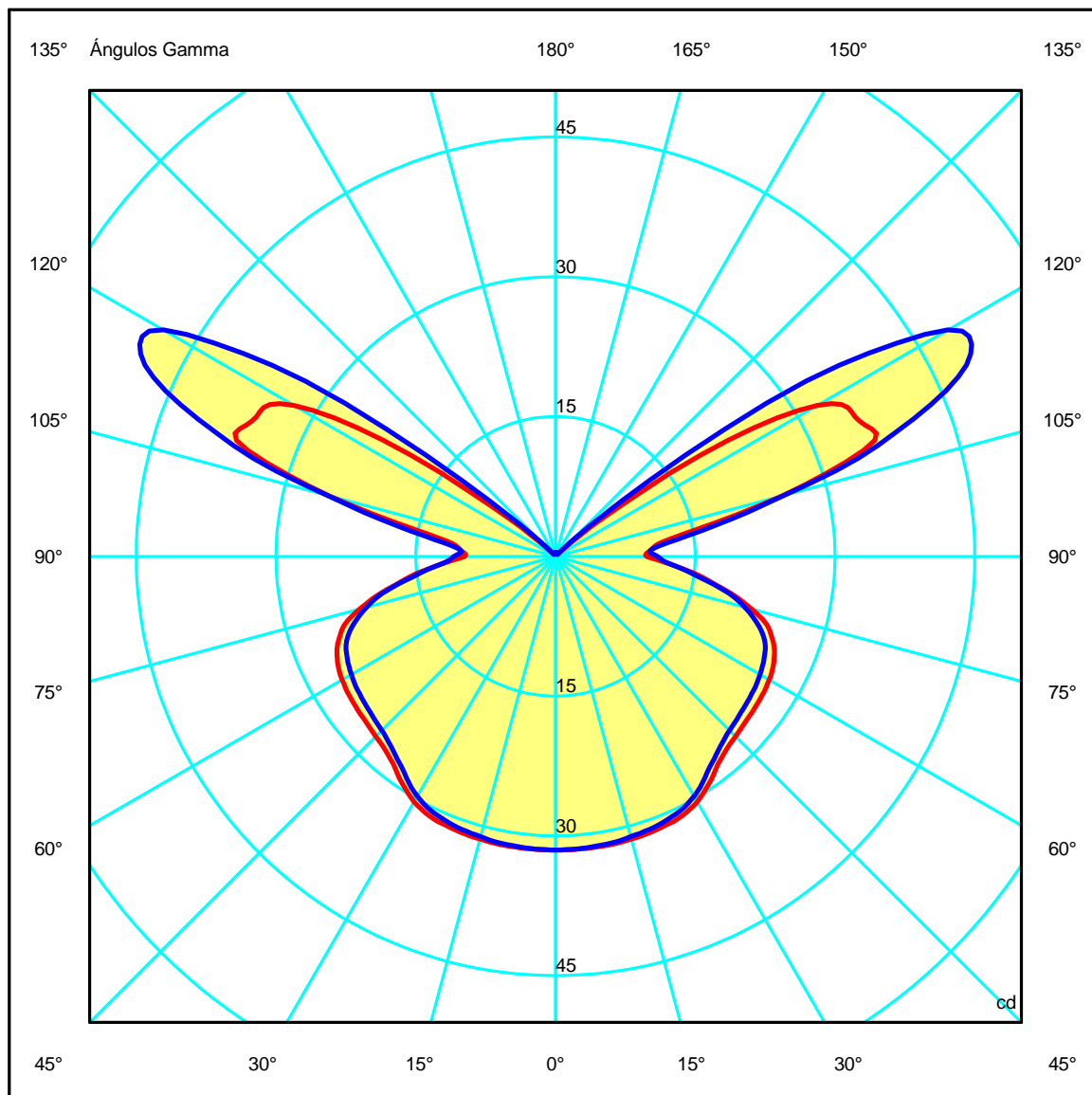
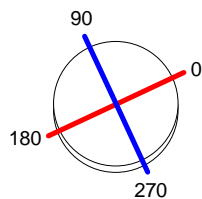
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Sources Flux	263.64 lm	Maximum value	53.87 cd	Position	C=60.00 G=117.50	CG	Double Symmetrical

Diam=170mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



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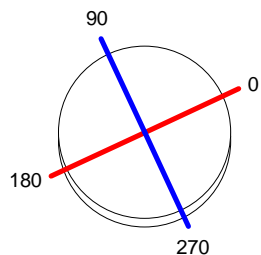
Measurem.

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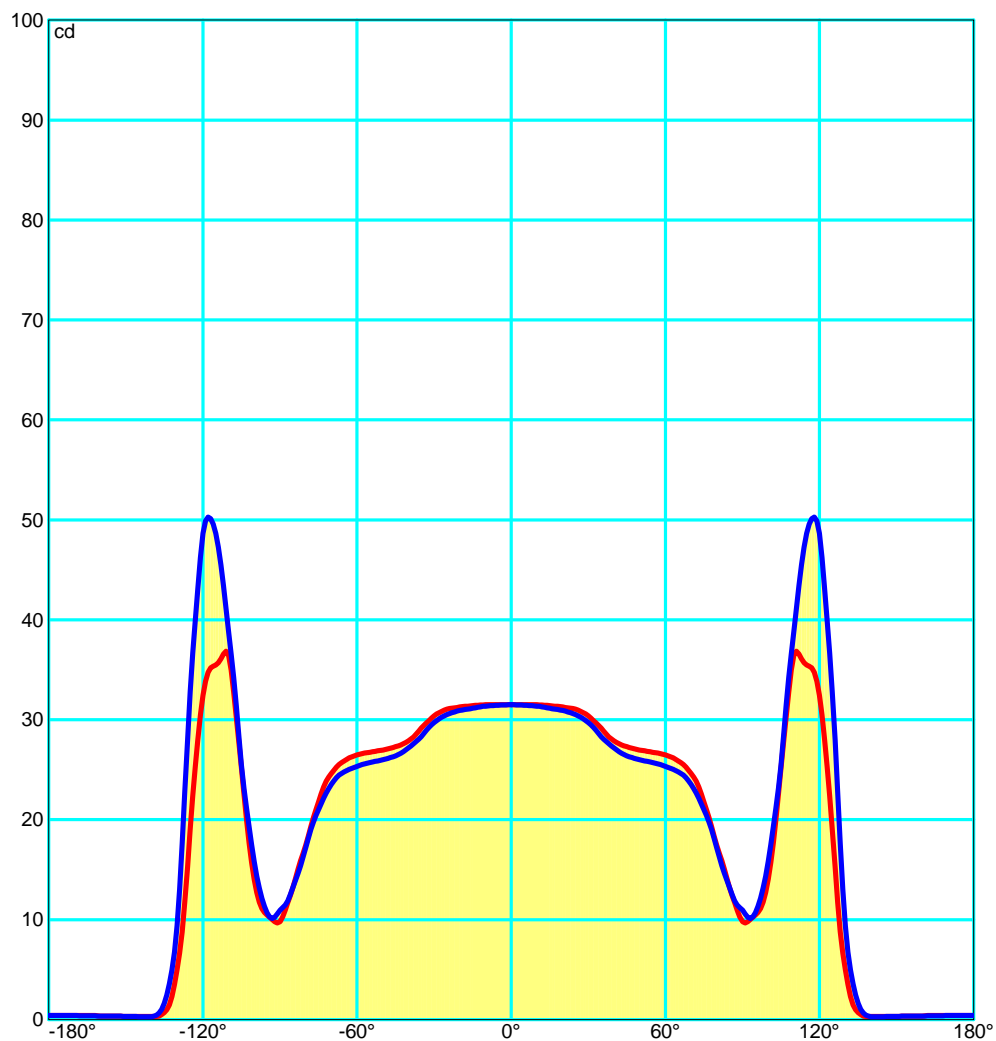
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Sources Flux	263.64 lm	Maximum value	53.87 cd	Position	C=60.00 G=117.50	CG Double Symmetrical	

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	16.1	17.1	16.9	17.9	18.9	15.9	16.9	16.7	17.7	18.8
x=2H y=3H	19.1	20.0	20.0	20.9	22.0	18.9	19.8	19.8	20.7	21.8
x=2H y=4H	20.7	21.5	21.5	22.4	23.5	20.4	21.3	21.3	22.2	23.2
x=2H y=6H	22.1	22.8	22.9	23.7	24.8	21.9	22.6	22.7	23.5	24.7
x=2H y=8H	22.7	23.5	23.6	24.4	25.5	22.5	23.3	23.4	24.2	25.3
x=2H y=12H	23.4	24.1	24.3	25.0	26.2	23.3	24.0	24.2	24.9	26.0
x=4H y=2H	17.2	18.0	18.0	18.9	20.0	17.0	17.9	17.9	18.7	19.8
x=4H y=3H	20.3	21.0	21.2	21.9	23.1	20.2	20.9	21.1	21.8	22.9
x=4H y=4H	21.9	22.6	22.8	23.5	24.6	21.8	22.4	22.7	23.3	24.5
x=4H y=6H	23.5	24.0	24.4	24.9	26.1	23.3	23.9	24.2	24.8	26.0
x=4H y=8H	24.2	24.7	25.1	25.7	26.9	24.1	24.6	25.0	25.5	26.7
x=4H y=12H	25.0	25.5	25.9	26.4	27.6	24.9	25.3	25.8	26.3	27.5
x=8H y=4H	22.6	23.1	23.5	24.0	25.2	22.4	22.9	23.4	23.9	25.1
x=8H y=6H	24.3	24.7	25.3	25.7	26.9	24.2	24.6	25.1	25.6	26.8
x=8H y=8H	25.2	25.6	26.2	26.5	27.8	25.1	25.4	26.0	26.4	27.7
x=8H y=12H	26.1	26.5	27.1	27.5	28.7	26.0	26.4	27.0	27.4	28.6
x=12H y=4H	22.7	23.2	23.6	24.1	25.3	22.6	23.0	23.5	24.0	25.2
x=12H y=6H	24.5	24.9	25.5	25.9	27.1	24.4	24.8	25.4	25.8	27.0
x=12H y=8H	25.5	25.8	26.5	26.8	28.1	25.4	25.7	26.4	26.7	28.0

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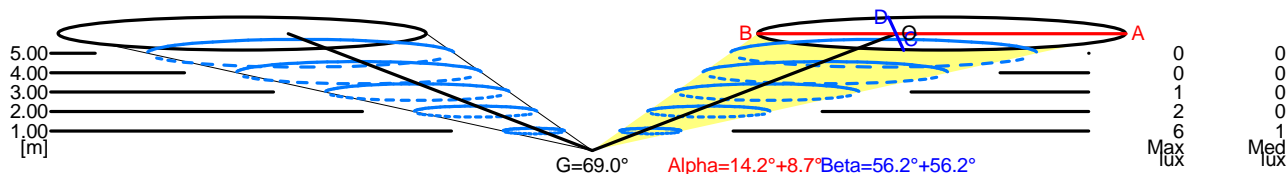
Luminaire Flux	263.64 lm	Luminaire Power	6.87 W	Efficacy	38.37 lm/W	Efficiency	100.00%
Sources Flux	263.64 lm	Maximum value	53.87 cd	Position	C=60.00 G=117.50	CG	Double Symmetrical

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	1.97	3.94	5.91	7.89	9.86	OC	4.17	8.35	12.52	16.69	20.86
OB	1.19	2.37	3.56	4.74	5.93	OD	4.17	8.35	12.52	16.69	20.86

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	0.41	0.40	0.40	0.34	0.31	0.71	19.03	35.46	25.19	10.48
OB	0.41	0.40	0.40	0.34	0.31	0.71	19.03	35.46	25.19	10.48
OC	0.41	0.42	0.38	0.33	0.30	1.61	32.79	48.64	25.50	10.70
OD	0.41	0.42	0.38	0.33	0.30	1.61	32.79	48.64	25.50	10.70



5.00	15.78	0	0	
4.00	12.63	0	0	
3.00	9.47	1	0	
2.00	6.31	2	0	
1.00	3.16	6	1	
H[m]	D[m]	Max lux	Med lux	Alpha=14.2°+8.7° G=69.0

5.00	41.73	0	0	
4.00	33.38	0	0	
3.00	25.04	1	0	
2.00	16.69	2	0	
1.00	8.35	6	1	
H[m]	D[m]	Max lux	Med lux	Beta=56.2°+56.2° G=0.0

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Measurement

Code CL252A20F016G

Name 2700K CRI90

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Sources Flux	263.64 lm	Maximum value	53.87 cd	Position	C=60.00 G=117.50	CG Double Symmetrical	

Flujo Total=263.64 Flujo Luminaria=263.64

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	0.33	0.39	0.45	0.53	0.60	0.65	0.71	0.76	0.86	0.92
RC	8	8	8	8	8	8	8	8	8	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)	11	45	99	167	246	334	429	514	569	615	720	891	991	998	999	999	1000	1000

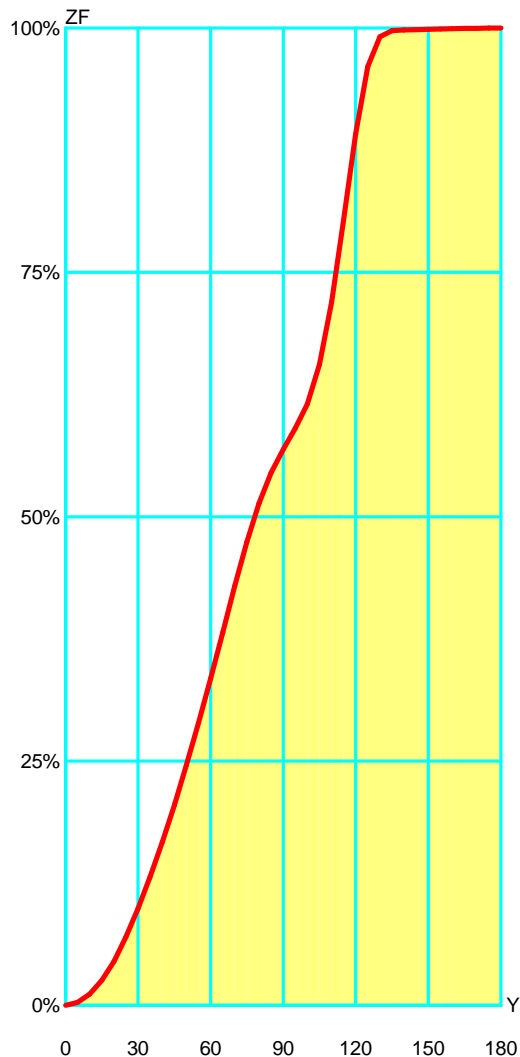
Códigos de Flujo C.I.E.

31 59 84 57 100

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

8/8/8/8/8/8/8/7/7
C21
0.57 H + 0.43 T
BZ 7 / 0.8 / BZ 6
43.09620 %
1.0

LOR	100.00000 %
ULOR	43.09620 %
DLOR	56.90380 %
UFF	43.09620 %
DFF	56.90380 %
FFR	75.73518 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	2.86	2.86	0.29 %	0.29 %
10°	8.53	11.39	0.85 %	1.14 %
15°	14.11	25.49	1.41 %	2.55 %
20°	19.49	44.99	1.95 %	4.50 %
25°	24.61	69.60	2.46 %	6.96 %
30°	29.21	98.81	2.92 %	9.88 %
35°	32.81	131.62	3.28 %	13.16 %
40°	35.43	167.06	3.54 %	16.71 %
45°	37.99	205.05	3.80 %	20.50 %
50°	40.68	245.73	4.07 %	24.57 %
55°	43.25	288.98	4.32 %	28.90 %
60°	45.46	334.44	4.55 %	33.44 %
65°	46.99	381.43	4.70 %	38.14 %
70°	47.37	428.80	4.74 %	42.88 %
75°	45.29	474.09	4.53 %	47.41 %
80°	39.45	513.54	3.94 %	51.35 %
85°	31.43	544.97	3.14 %	54.50 %
90°	24.07	569.04	2.41 %	56.90 %
95°	21.19	590.23	2.12 %	59.02 %
100°	25.04	615.27	2.50 %	61.53 %
105°	40.49	655.75	4.05 %	65.58 %
110°	63.84	719.59	6.38 %	71.96 %
115°	83.30	802.89	8.33 %	80.29 %
120°	88.56	891.46	8.86 %	89.15 %
125°	69.23	960.69	6.92 %	96.07 %
130°	30.46	991.15	3.05 %	99.11 %
135°	6.20	997.35	0.62 %	99.74 %
140°	0.74	998.09	0.07 %	99.81 %
145°	0.39	998.48	0.04 %	99.85 %
150°	0.35	998.84	0.04 %	99.88 %
155°	0.32	999.16	0.03 %	99.92 %
160°	0.28	999.43	0.03 %	99.94 %
165°	0.24	999.67	0.02 %	99.97 %
170°	0.18	999.85	0.02 %	99.98 %
175°	0.11	999.96	0.01 %	100.00 %
180°	0.04	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

