

Luminaire

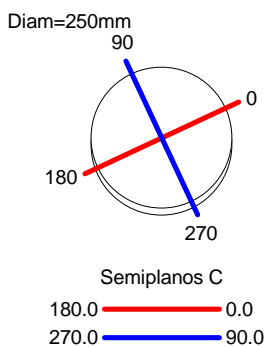
Code 2284
Name Guise

Measur.

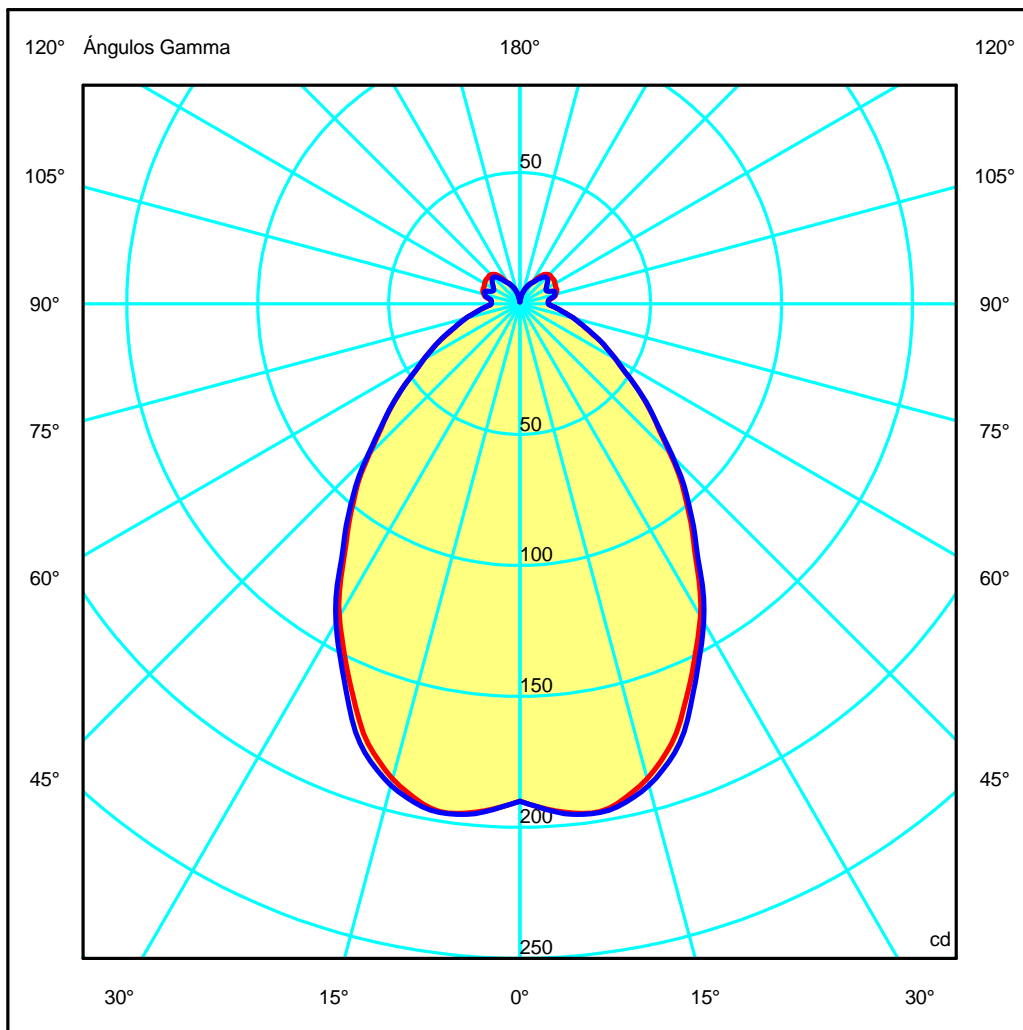
Code CL252A20F002G.E1
Name 3000K CRI90

Luminaire Flux	472.92 lm	Luminaire Power	15.38 W	Efficacy	30.76 lm/W	Efficiency	100.00%
Sources Flux	472.92 lm	Maximum value	196.63 cd	Position	C=90.00 G=7.50	CG	Double Symmetrical
Round Luminaire		Diam.	250 mm	Height	335 mm		
Round Luminous Area		Diam.	250 mm	Height	0 mm		
Horizontal Luminous Area		0.049087 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°		0.011875 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		25-03-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		472.92 lm	
Operator		ASSELUM		Rated Voltage		230.23 V	
Temperature		25.10 °C		Rated Current		0.07 A	
Humidity		21.90 %		Photocell		Prc	
Notes							

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
LUXEON 3014 3000K CRI90		5751949		Name 1x LED 24V 12W		472.92	15.38	1
C.I.E.	57 83 94 84 100			D DIN 5040		B41		
F UTE	0.84 D + 0.16 T			B NBN		BZ 3 / 1.25 / BZ 4		



ULOR 16.16 %
DLOR 83.84 %
RN 16.16 %



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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	190	190	190	190	190	190	190
G 2.5	193	192	191	191	192	192	193
G 5.0	195	194	194	193	194	195	195
G 7.5	196	195	195	194	195	196	197
G 10.0	196	195	194	194	195	196	196
G 12.5	192	192	191	192	192	194	194
G 15.0	188	187	187	187	188	190	190
G 17.5	182	181	181	182	183	184	185
G 20.0	175	174	173	173	175	178	179
G 22.5	165	165	165	165	167	168	169
G 25.0	156	155	155	156	157	158	159
G 27.5	146	146	146	146	147	149	149
G 30.0	138	137	136	137	138	140	140
G 32.5	128	127	126	127	128	130	130
G 35.0	117	116	117	117	118	118	119
G 37.5	108	107	107	107	108	109	109
G 40.0	99	99	98	99	99	100	100
G 42.5	91	90	89	89	90	91	92
G 45.0	81	81	81	81	81	82	82
G 47.5	73	73	73	73	73	73	73
G 50.0	66	66	65	66	66	66	66
G 52.5	60	59	59	59	59	60	60
G 55.0	53	53	52	52	53	53	53
G 57.5	47	47	47	47	47	47	47
G 60.0	42	42	42	41	42	42	42
G 62.5	38	37	37	37	37	38	38
G 65.0	34	33	33	33	33	34	34
G 67.5	30	29	29	29	30	30	30
G 70.0	26	26	26	26	26	26	27
G 72.5	24	23	23	23	23	24	24
G 75.0	21	21	20	20	21	21	21
G 77.5	19	18	18	18	18	18	18
G 80.0	16	16	16	16	16	16	16
G 82.5	15	14	14	14	14	14	14
G 85.0	13	13	13	12	13	13	13
G 87.5	12	11	11	11	11	11	11
G 90.0	11	11	11	10	11	11	11
G 92.5	11	11	11	10	11	11	11
G 95.0	11	11	11	10	11	11	11
G 97.5	11	11	11	11	11	11	11
G100.0	13	12	12	12	12	12	12
G102.5	14	14	13	13	13	13	14
G105.0	14	14	14	14	14	14	14
G107.5	15	15	15	14	14	14	14
G110.0	15	15	15	15	14	14	14
G112.5	15	15	15	15	14	13	12
G115.0	15	15	15	15	14	12	11
G117.5	15	15	15	15	14	12	11
G120.0	15	15	15	15	14	12	12
G122.5	16	16	15	15	14	13	12
G125.0	16	16	16	15	14	13	13
G127.5	16	16	15	15	14	14	13
G130.0	16	16	16	15	15	14	14
G132.5	16	16	15	15	15	14	14
G135.0	16	15	15	15	14	14	14
G137.5	15	15	14	14	14	14	14
G140.0	15	14	13	12	12	13	13
G142.5	13	12	11	11	11	11	12
G145.0	12	11	10	10	10	10	11
G147.5	10	10	9	9	9	10	10
G150.0	9	9	8	8	8	9	9
G152.5	9	8	8	8	8	8	8
G155.0	8	8	7	7	7	7	8
G157.5	7	7	6	6	6	7	7
G160.0	6	6	6	5	6	6	6
G162.5	5	5	5	5	5	5	5
G165.0	4	4	4	4	4	4	5
G167.5	3	3	3	3	3	3	3
G170.0	3	3	3	3	3	3	3
G172.5	2	2	2	2	2	2	2
G175.0	1	1	1	1	1	1	1
G177.5	1	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

Luminaire

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Measur.

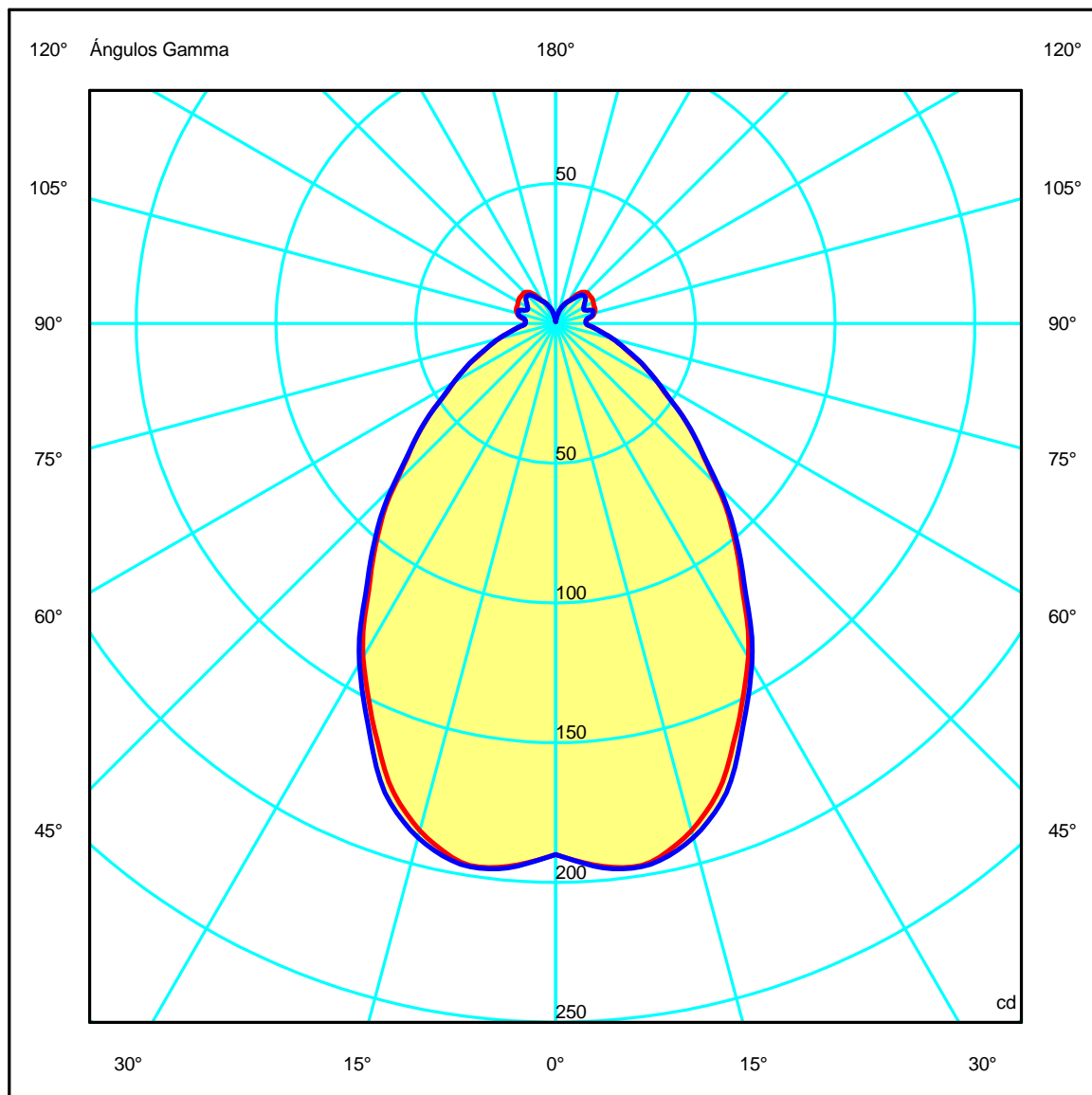
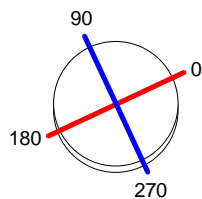
Code CL252A20F002G.E1
Name 3000K CRI90

Luminaire Flux	472.92 lm	Luminaire Power	15.38 W	Efficacy	30.76 lm/W	Efficiency	100.00%
Sources Flux	472.92 lm	Maximum value	196.63 cd	Position	C=90.00 G=7.50	CG	Double Symmetrical

Diam=250mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

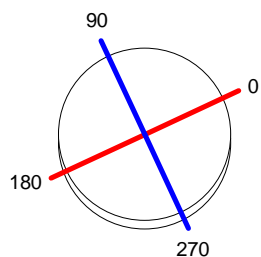
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Measurem.

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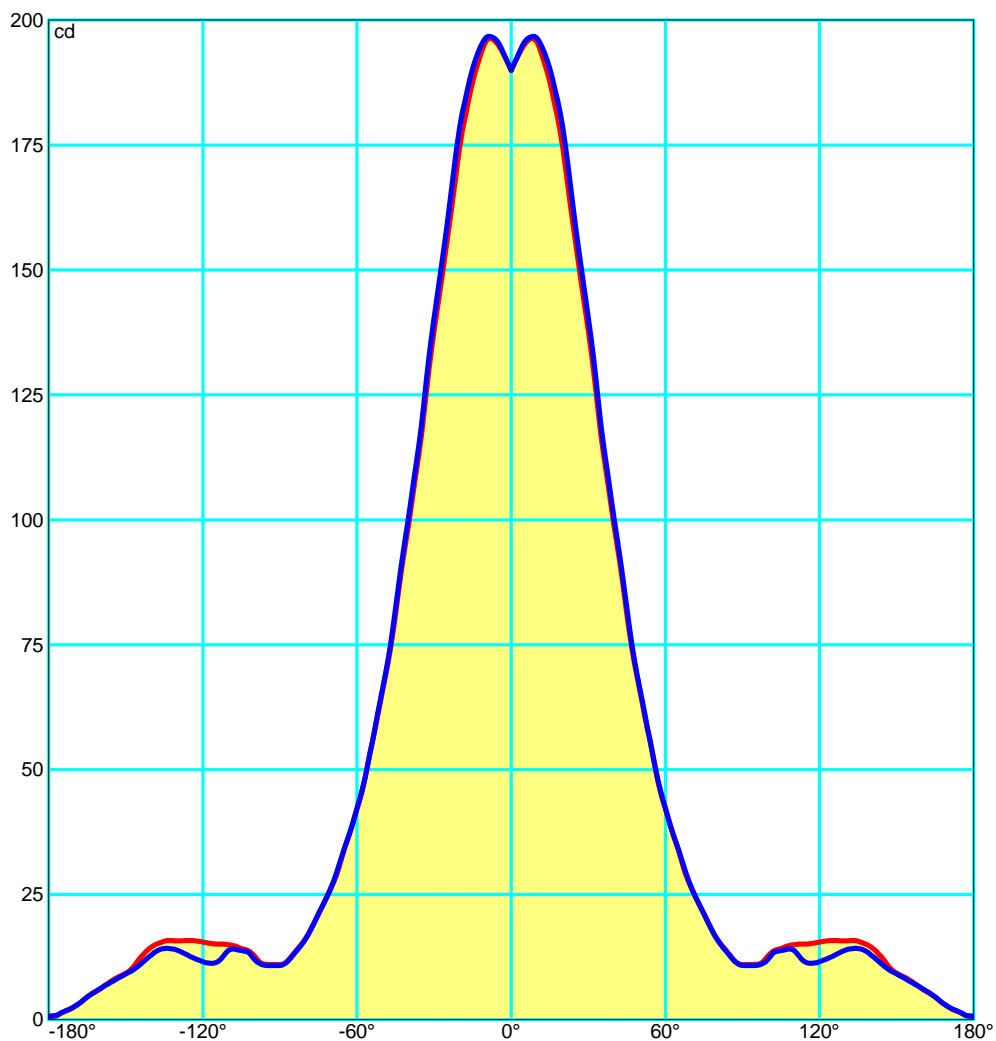
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Diam=250mm



Semiplanos C

180.0 ——— 0.0
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Sources Flux	472.92 lm	Maximum value	196.63 cd	Position	C=90.00 G=7.50	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	12.9	13.9	13.4	14.4	14.9	12.9	14.0	13.4	14.4	15.0
x=2H y=3H	14.2	15.1	14.7	15.6	16.2	14.3	15.2	14.8	15.7	16.3
x=2H y=4H	14.9	15.8	15.5	16.3	16.9	15.0	15.8	15.5	16.4	17.0
x=2H y=6H	15.6	16.4	16.2	17.0	17.6	15.7	16.5	16.3	17.0	17.7
x=2H y=8H	16.1	16.8	16.6	17.4	18.0	16.1	16.9	16.7	17.4	18.1
x=2H y=12H	16.6	17.3	17.2	17.9	18.5	16.6	17.3	17.2	17.9	18.5
x=4H y=2H	13.4	14.3	14.0	14.8	15.4	13.4	14.3	14.0	14.9	15.4
x=4H y=3H	15.0	15.7	15.6	16.3	16.9	15.0	15.8	15.6	16.3	17.0
x=4H y=4H	15.8	16.5	16.5	17.1	17.8	15.9	16.5	16.5	17.1	17.8
x=4H y=6H	16.8	17.3	17.4	17.9	18.7	16.8	17.4	17.4	18.0	18.7
x=4H y=8H	17.3	17.8	17.9	18.4	19.2	17.3	17.8	18.0	18.5	19.2
x=4H y=12H	17.9	18.4	18.6	19.0	19.8	17.9	18.4	18.6	19.0	19.8
x=8H y=4H	16.2	16.7	16.9	17.4	18.1	16.2	16.8	16.9	17.4	18.1
x=8H y=6H	17.3	17.8	18.0	18.4	19.2	17.4	17.8	18.1	18.5	19.3
x=8H y=8H	18.0	18.4	18.7	19.1	19.9	18.0	18.4	18.8	19.1	19.9
x=8H y=12H	18.8	19.2	19.6	19.9	20.7	18.9	19.2	19.6	19.9	20.7
x=12H y=4H	16.3	16.7	16.9	17.4	18.2	16.3	16.8	17.0	17.4	18.2
x=12H y=6H	17.5	17.9	18.2	18.6	19.4	17.5	17.9	18.2	18.6	19.4
x=12H y=8H	18.3	18.6	19.0	19.3	20.1	18.3	18.6	19.0	19.3	20.1

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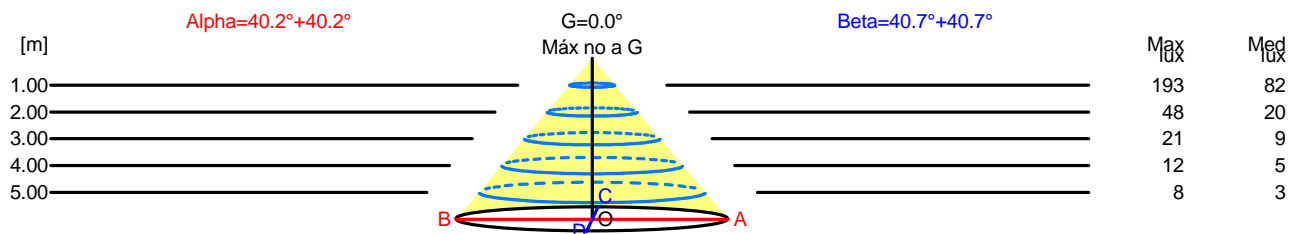
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Sources Flux	472.92 lm	Maximum value	196.63 cd	Position	C=90.00 G=7.50	CG	Double Symmetrical

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	0.85	1.69	2.54	3.38	4.23	OC	0.86	1.72	2.58	3.44	4.30
OB	0.85	1.69	2.54	3.38	4.23	OD	0.86	1.72	2.58	3.44	4.30

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	189.97	194.93	187.80	155.58	116.64	81.28	53.21	33.99	21.13	13.01
OB	189.97	194.93	187.80	155.58	116.64	81.28	53.21	33.99	21.13	13.01
OC	189.97	195.46	190.41	158.73	118.64	82.46	53.03	34.13	21.16	12.86
OD	189.97	195.46	190.41	158.73	118.64	82.46	53.03	34.13	21.16	12.86



H[m]	D[m]	Max lux	Med lux	Alpha=40.2°+40.2°	G=0.0 Máx no a G	
1.00	1.69	193	82			
2.00	3.38	48	20			
3.00	5.07	21	9			
4.00	6.77	12	5			
5.00	8.46	8	3			

H[m]	D[m]	Max lux	Med lux	Beta=40.7°+40.7°	G=0.0 Máx no a G	
1.00	1.72	193	82			
2.00	3.44	48	20			
3.00	5.16	21	9			
4.00	6.87	12	5			
5.00	8.59	8	3			

Luminaire

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Measurement

Code CL252A20F002G.E1
Name 3000K CRI90

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Sources Flux	472.92 lm	Maximum value	196.63 cd	Position	C=90.00 G=7.50	CG	Double Symmetrical

Flujo Total=472.92 Flujo Luminaria=472.92

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	0.39	0.46	0.53	0.59	0.64	0.72	0.77	0.80	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)	39	151	303	458	591	692	762	809	838	864	894	924	952	976	990	997	1000	1000

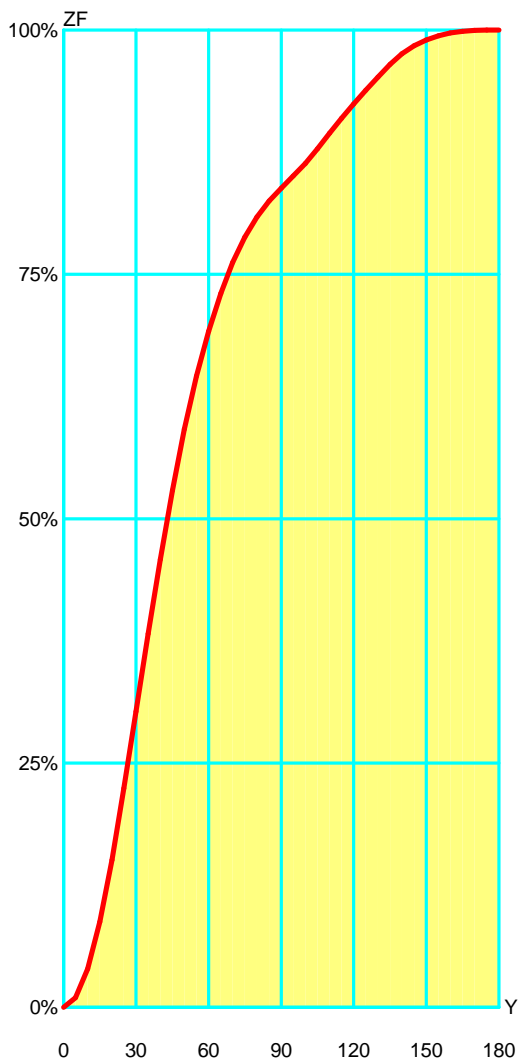
Códigos de Flujo C.I.E.

57 83 94 84 100

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

4/4/4/4/4/4/4/4/4/5
B41
0.84 D + 0.16 T
BZ 3 / 1.25 / BZ 4
16.16475 %
1.0

LOR 100.00000 %
ULOR 16.16475 %
DLOR 83.83525 %
UFF 16.16475 %
DFF 83.83525 %
FFR 19.28156 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.73	9.73	0.97 %	0.97 %
10°	29.49	39.23	2.95 %	3.92 %
15°	48.08	87.31	4.81 %	8.73 %
20°	63.35	150.66	6.34 %	15.07 %
25°	73.48	224.14	7.35 %	22.41 %
30°	78.64	302.78	7.86 %	30.28 %
35°	79.42	382.21	7.94 %	38.22 %
40°	76.17	458.38	7.62 %	45.84 %
45°	70.48	528.86	7.05 %	52.89 %
50°	62.55	591.41	6.25 %	59.14 %
55°	54.41	645.82	5.44 %	64.58 %
60°	45.90	691.72	4.59 %	69.17 %
65°	38.56	730.28	3.86 %	73.03 %
70°	31.81	762.09	3.18 %	76.21 %
75°	25.89	787.98	2.59 %	78.80 %
80°	20.71	808.70	2.07 %	80.87 %
85°	16.41	825.10	1.64 %	82.51 %
90°	13.25	838.35	1.33 %	83.84 %
95°	12.34	850.69	1.23 %	85.07 %
100°	12.89	863.58	1.29 %	86.36 %
105°	14.98	878.57	1.50 %	87.86 %
110°	15.84	894.40	1.58 %	89.44 %
115°	15.36	909.76	1.54 %	90.98 %
120°	14.57	924.34	1.46 %	92.43 %
125°	14.06	938.40	1.41 %	93.84 %
130°	13.60	952.00	1.36 %	95.20 %
135°	12.81	964.81	1.28 %	96.48 %
140°	10.93	975.74	1.09 %	97.57 %
145°	8.20	983.94	0.82 %	98.39 %
150°	5.91	989.85	0.59 %	98.98 %
155°	4.28	994.13	0.43 %	99.41 %
160°	2.91	997.04	0.29 %	99.70 %
165°	1.75	998.79	0.18 %	99.88 %
170°	0.86	999.65	0.09 %	99.97 %
175°	0.30	999.95	0.03 %	100.00 %
180°	0.05	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

