

**Luminaire**

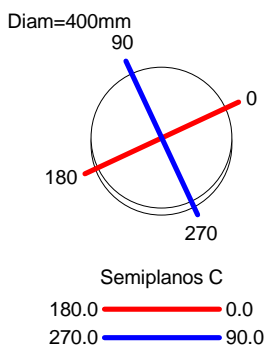
Code 2288  
Name Guise

**Measur.**

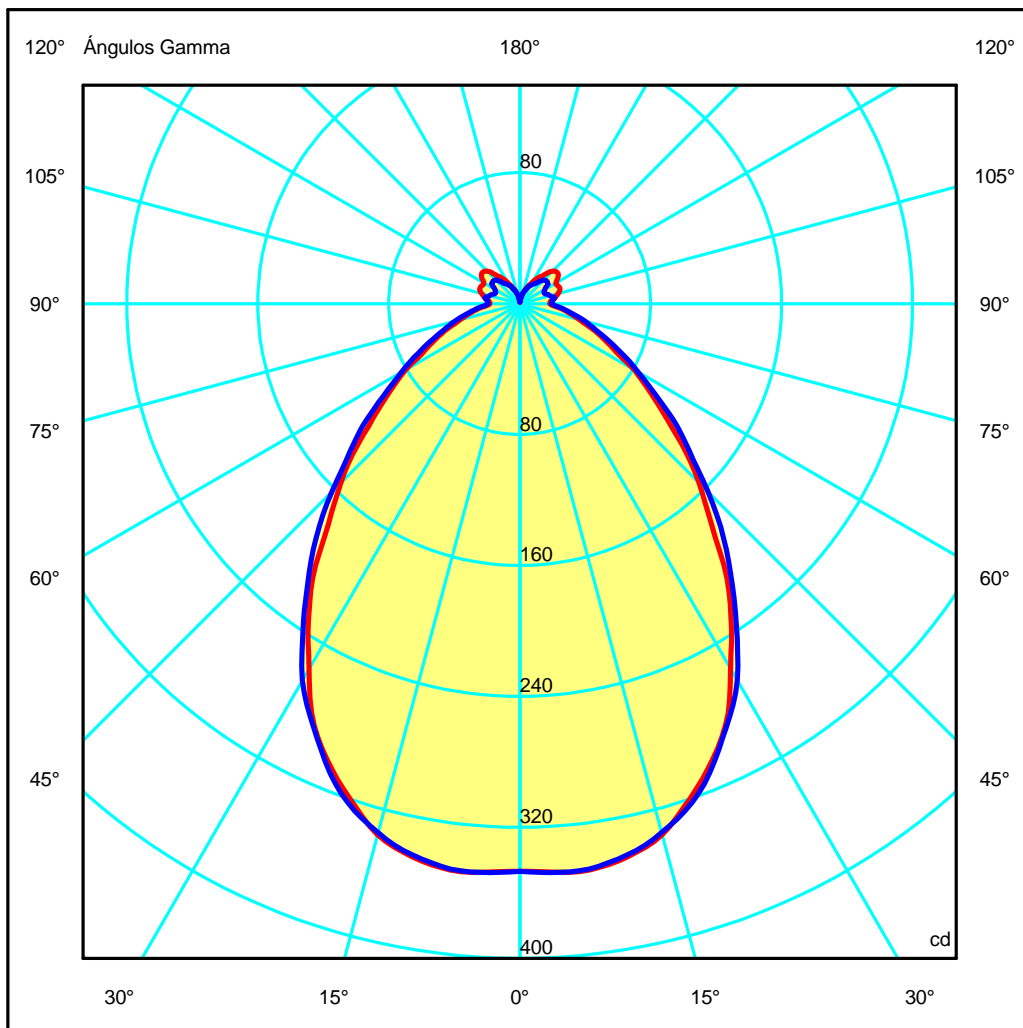
Code CL252A20F003G  
Name 3000K CRI90

Luminaire Flux	868.47 lm	Luminaire Power	22.47 W	Efficacy	38.65 lm/W	Efficiency	100.00%
Sources Flux	868.47 lm	Maximum value	348.73 cd	Position	C=0.00 G=5.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area	Diam. Diam.	400 mm 400 mm	Height Height	230 mm 0 mm			
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°	0.125664 m2 0.000000 m2 0.000000 m2	Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.030401 m2			
Coordinate system Date Measurement Distance	CG 25-03-2020 6.44	Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 180 868.47 lm			
Operator Temperature Humidity Notes	ASSELUM 25.10 °C 23.50 % RM20032503	Rated Voltage Rated Current Photocell		230.22 V 0.11 A Prc			

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
LUXEON 3014 3000K CRI90		5751948		Name 1x LED 24V 18W		868.47	22.47	1
C.I.E.	56 82 94 86 100			D DIN 5040		B41		
F UTE	0.86 D + 0.14 T			B NBN		BZ 3 / 1 / BZ 4		



ULOR 13.94 %  
DLOR 86.06 %  
RN 13.94 %



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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	347	347	347	347	347	347	347
G 2.5	347	347	347	347	348	348	348
G 5.0	349	348	348	348	348	348	348
G 7.5	348	348	347	346	347	347	348
G 10.0	346	345	344	344	344	344	345
G 12.5	342	341	340	339	340	340	341
G 15.0	336	335	333	333	333	334	335
G 17.5	326	325	324	325	326	327	328
G 20.0	315	315	314	315	316	318	319
G 22.5	304	303	303	303	305	306	307
G 25.0	292	291	290	290	291	292	293
G 27.5	277	276	275	276	277	279	280
G 30.0	257	257	258	260	262	265	266
G 32.5	241	241	242	243	245	247	247
G 35.0	224	224	224	225	227	229	229
G 37.5	207	206	206	207	209	212	212
G 40.0	185	186	188	191	193	195	196
G 42.5	169	170	172	174	176	178	180
G 45.0	155	155	156	158	160	162	163
G 47.5	140	141	142	143	144	145	145
G 50.0	125	125	126	128	130	132	132
G 52.5	111	112	113	115	117	119	120
G 55.0	100	100	101	103	104	105	105
G 57.5	90	90	91	91	92	93	93
G 60.0	80	80	80	81	82	83	83
G 62.5	69	70	71	72	73	74	74
G 65.0	61	62	63	64	65	65	66
G 67.5	55	55	56	56	57	58	58
G 70.0	49	49	50	50	51	51	51
G 72.5	43	43	43	44	45	46	46
G 75.0	38	38	38	39	40	41	41
G 77.5	33	34	34	35	35	36	36
G 80.0	30	30	30	30	31	31	31
G 82.5	26	26	26	26	27	27	28
G 85.0	22	22	22	23	23	24	24
G 87.5	19	20	20	20	20	21	21
G 90.0	18	18	18	19	19	19	19
G 92.5	18	18	18	18	19	19	19
G 95.0	19	19	19	19	19	20	20
G 97.5	21	20	20	20	20	21	21
G100.0	22	22	22	21	21	21	22
G102.5	23	23	23	22	21	20	20
G105.0	24	24	24	23	21	20	19
G107.5	25	25	24	23	21	19	18
G110.0	26	25	25	23	21	18	17
G112.5	26	25	24	22	20	17	16
G115.0	26	25	23	21	19	17	16
G117.5	25	24	22	21	19	17	17
G120.0	25	24	23	21	19	18	18
G122.5	27	25	24	22	20	20	19
G125.0	29	27	24	23	22	21	21
G127.5	29	27	24	22	21	21	21
G130.0	30	26	23	20	20	21	21
G132.5	29	26	22	19	19	20	21
G135.0	28	25	21	18	18	20	20
G137.5	26	24	21	19	18	19	19
G140.0	23	22	21	20	18	17	17
G142.5	21	21	20	19	18	16	16
G145.0	19	19	19	19	17	15	15
G147.5	17	17	18	17	16	14	14
G150.0	15	15	16	15	14	13	13
G152.5	13	13	14	13	13	12	12
G155.0	11	12	12	11	11	11	10
G157.5	10	10	10	9	9	9	9
G160.0	9	8	8	8	8	8	8
G162.5	7	7	7	7	7	7	7
G165.0	6	6	6	6	6	6	6
G167.5	5	5	5	5	5	5	5
G170.0	4	4	4	4	3	3	3
G172.5	2	2	3	3	3	2	2
G175.0	2	2	2	2	2	2	2
G177.5	1	1	1	1	1	1	1
G180.0	1	1	1	1	1	1	1

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**Measur.**

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Name 3000K CRI90

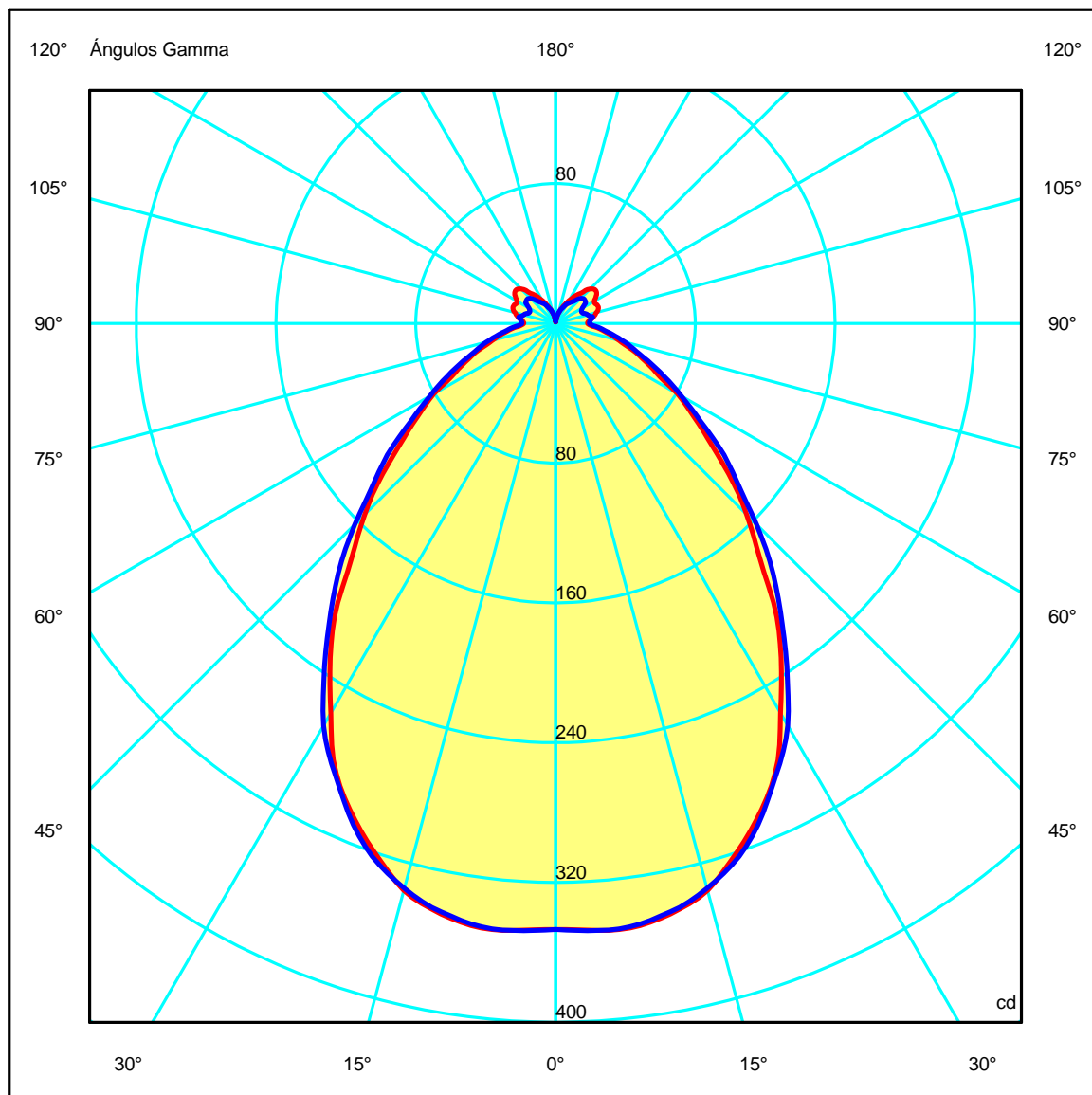
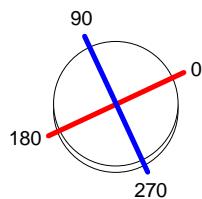
Luminaire Flux	868.47 lm	Luminaire Power	22.47 W	Efficacy	38.65 lm/W	Efficiency	100.00%
Sources Flux	868.47 lm	Maximum value	348.73 cd	Position	C=0.00 G=5.00	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



**Luminaire**

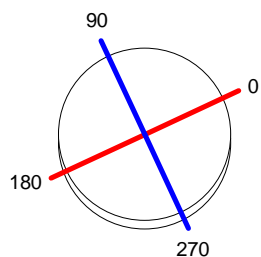
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**Measurem.**

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Name 3000K CRI90

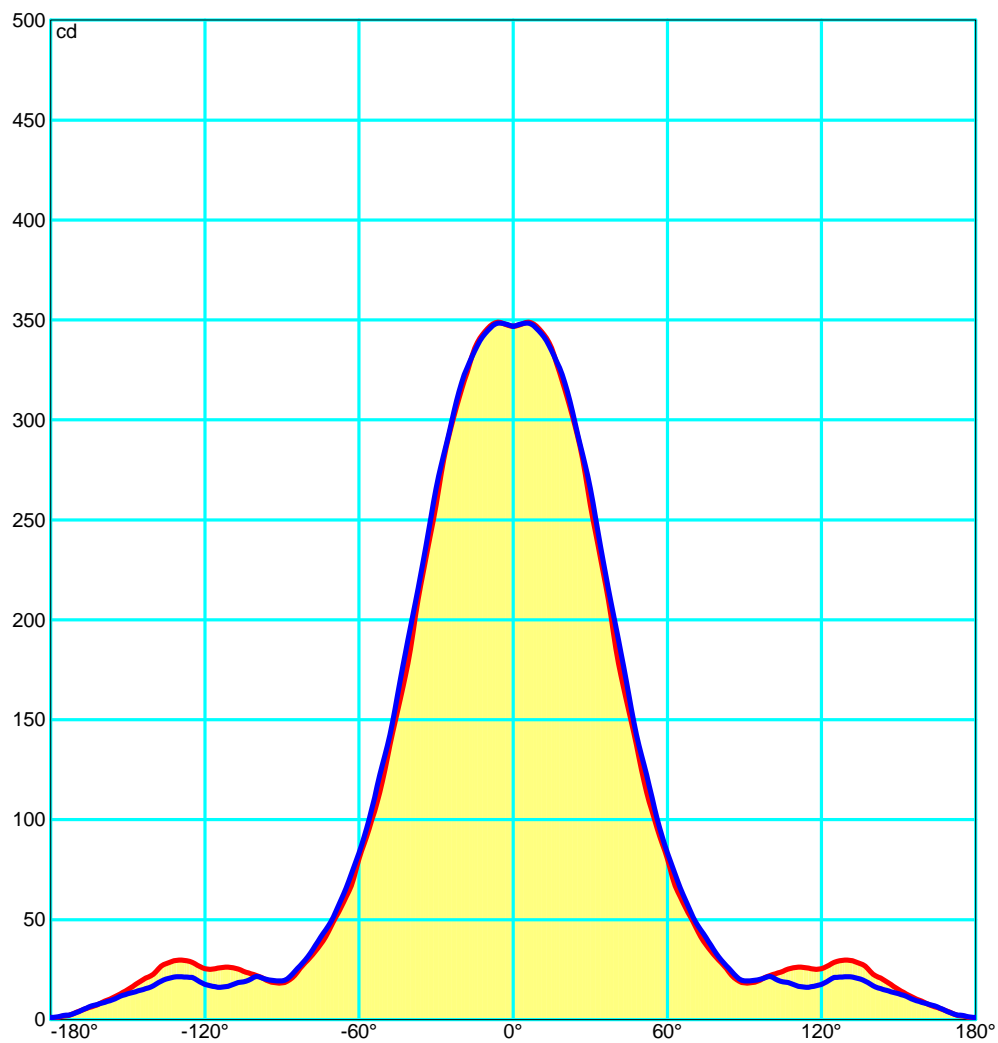
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**UGR**  
S = 0.250

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
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	12.0	13.1	12.5	13.5	14.0	12.3	13.3	12.8	13.8	14.3
x=2H y=3H	13.3	14.3	13.8	14.7	15.3	13.6	14.5	14.1	15.0	15.6
x=2H y=4H	13.9	14.8	14.5	15.3	15.9	14.3	15.2	14.8	15.7	16.2
x=2H y=6H	14.6	15.5	15.2	16.0	16.6	15.0	15.8	15.5	16.4	16.9
x=2H y=8H	15.0	15.8	15.6	16.4	17.0	15.4	16.2	16.0	16.7	17.3
x=2H y=12H	15.5	16.2	16.1	16.8	17.4	15.9	16.6	16.4	17.2	17.8
x=4H y=2H	12.6	13.5	13.1	14.0	14.6	12.8	13.7	13.3	14.2	14.8
x=4H y=3H	14.1	14.9	14.7	15.4	16.0	14.3	15.1	14.9	15.7	16.3
x=4H y=4H	14.9	15.6	15.5	16.1	16.8	15.2	15.9	15.8	16.4	17.1
x=4H y=6H	15.8	16.4	16.4	17.0	17.6	16.1	16.7	16.7	17.3	18.0
x=4H y=8H	16.3	16.8	16.9	17.4	18.1	16.6	17.1	17.2	17.8	18.5
x=4H y=12H	16.8	17.3	17.5	18.0	18.7	17.2	17.7	17.8	18.3	19.0
x=8H y=4H	15.3	15.8	15.9	16.4	17.1	15.6	16.1	16.2	16.7	17.4
x=8H y=6H	16.4	16.8	17.1	17.5	18.2	16.7	17.1	17.3	17.8	18.5
x=8H y=8H	17.0	17.4	17.7	18.1	18.8	17.3	17.7	18.0	18.4	19.1
x=8H y=12H	17.8	18.1	18.5	18.8	19.6	18.1	18.4	18.8	19.1	19.9
x=12H y=4H	15.4	15.8	16.0	16.5	17.2	15.6	16.1	16.2	16.7	17.4
x=12H y=6H	16.5	16.9	17.2	17.6	18.4	16.8	17.2	17.5	17.9	18.6
x=12H y=8H	17.3	17.6	18.0	18.3	19.1	17.5	17.9	18.2	18.6	19.3

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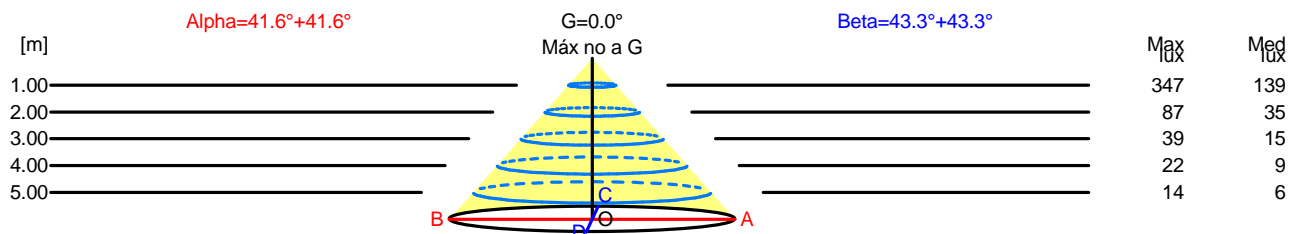
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Sources Flux	868.47 lm	Maximum value	348.73 cd	Position	C=0.00 G=5.00	CG	Double Symmetrical

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	0.89	1.78	2.66	3.55	4.44	OC	0.94	1.89	2.83	3.77	4.71
OB	0.89	1.78	2.66	3.55	4.44	OD	0.94	1.89	2.83	3.77	4.71

Luminous Intensities [ cd]

	0	5	15	25	35	45	55	65	75	85
OA	346.77	348.73	335.90	292.09	223.97	154.58	99.92	61.45	37.56	22.29
OB	346.77	348.73	335.90	292.09	223.97	154.58	99.92	61.45	37.56	22.29
OC	346.77	348.46	334.58	292.99	229.49	162.62	105.32	65.84	41.08	24.09
OD	346.77	348.46	334.58	292.99	229.49	162.62	105.32	65.84	41.08	24.09



H[m]	D[m]	Max lux	Med lux	Alpha=41.6°+41.6°	G=0.0 Máx no a G	
1.00	1.78	347	139			
2.00	3.55	87	35			
3.00	5.33	39	15			
4.00	7.10	22	9			
5.00	8.88	14	6			

H[m]	D[m]	Max lux	Med lux	Beta=43.3°+43.3°	G=0.0 Máx no a G	
1.00	1.89	347	139			
2.00	3.77	87	35			
3.00	5.66	39	15			
4.00	7.54	22	9			
5.00	9.43	14	6			

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**Measurement**

Code CL252A20F003G  
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Luminaire Flux	868.47 lm	Luminaire Power	22.47 W	Efficacy	38.65 lm/W	Efficiency	100.00%
Sources Flux	868.47 lm	Maximum value	348.73 cd	Position	C=0.00 G=5.00	CG Double Symmetrical	

Flujo Total=868.47 Flujo Luminaria=868.47

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	0.38	0.46	0.53	0.59	0.64	0.72	0.77	0.80	0.84	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)	38	146	300	462	603	709	783	831	861	885	912	937	960	979	992	998	1000	1000

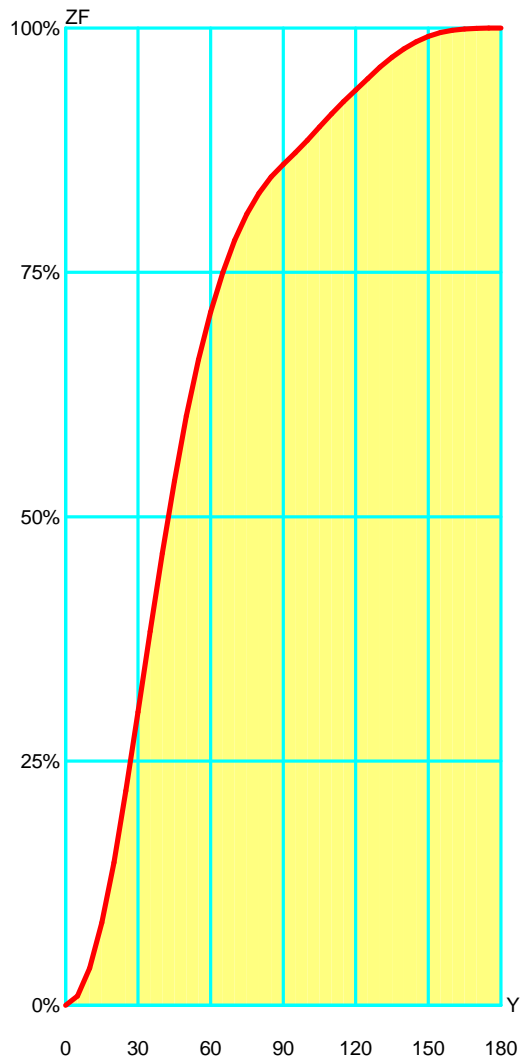
Códigos de Flujo C.I.E.

56 82 94 86 100

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

4/4/4/4/4/4/4/4/4/5  
B41  
0.86 D + 0.14 T  
BZ 3 / 1 / BZ 4  
13.94101 %  
1.0

LOR 100.00000 %  
ULOR 13.94101 %  
DLOR 86.05899 %  
UFF 13.94101 %  
DFF 86.05899 %  
FFR 16.19937 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	9.57	9.57	0.96 %	0.96 %
10°	28.55	38.12	2.85 %	3.81 %
15°	46.36	84.48	4.64 %	8.45 %
20°	61.67	146.15	6.17 %	14.61 %
25°	73.35	219.50	7.33 %	21.95 %
30°	80.49	299.98	8.05 %	30.00 %
35°	82.45	382.43	8.24 %	38.24 %
40°	79.93	462.36	7.99 %	46.24 %
45°	74.19	536.56	7.42 %	53.66 %
50°	66.47	603.02	6.65 %	60.30 %
55°	57.67	660.70	5.77 %	66.07 %
60°	48.77	709.47	4.88 %	70.95 %
65°	40.40	749.87	4.04 %	74.99 %
70°	33.06	782.93	3.31 %	78.29 %
75°	26.75	809.68	2.68 %	80.97 %
80°	21.37	831.05	2.14 %	83.11 %
85°	16.65	847.70	1.66 %	84.77 %
90°	12.89	860.59	1.29 %	86.06 %
95°	11.84	872.43	1.18 %	87.24 %
100°	12.76	885.19	1.28 %	88.52 %
105°	13.51	898.70	1.35 %	89.87 %
110°	13.48	912.18	1.35 %	91.22 %
115°	12.66	924.84	1.27 %	92.48 %
120°	11.69	936.52	1.17 %	93.65 %
125°	11.88	948.40	1.19 %	94.84 %
130°	11.64	960.04	1.16 %	96.00 %
135°	10.14	970.17	1.01 %	97.02 %
140°	8.71	978.89	0.87 %	97.89 %
145°	7.21	986.10	0.72 %	98.61 %
150°	5.53	991.63	0.55 %	99.16 %
155°	3.79	995.42	0.38 %	99.54 %
160°	2.33	997.75	0.23 %	99.77 %
165°	1.34	999.09	0.13 %	99.91 %
170°	0.65	999.74	0.07 %	99.97 %
175°	0.22	999.96	0.02 %	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

