

Luminaire

Code 0151XX (2700K)
Name 0151 (2700K)
Line CIRCUS - ACCENT DOWNLIGHT

Measurem.

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Source Data

Code 5753382	Correlated Color Temperature (CCT) 2700K	Q.ty 1
Name 1x LED 7,2 W 400 mA	Color rendering index (CRI) 90	
Line		

Measurement data

Coordinate system CG	Symmetry Type Rotosymmetrical
Date 05-06-2024	Maximum Gamma Angle 180°
Measurement Distance 3.85m	Measurement Flux 575.6 lm
Maximum 12087.14 cd/klm	Position C=0.0° G=0.0°
Remarks This photometry has been performed using a bench power supply.	

Electrical Parameters

Channel 1	Channel 2
Voltage 0.00 V	Voltage 18.75 V
Current 0.00 A	Current 0.40 A
Power 0.00 W	Power 7.50 W
Frequency 0 Hz	Frequency 0 Hz
Power Factor 0.00	Power Factor 0.00

Environmental Parameters

Temperature 25.2 °C	Air Speed 0.0 m/s
Humidity 45.0 %	

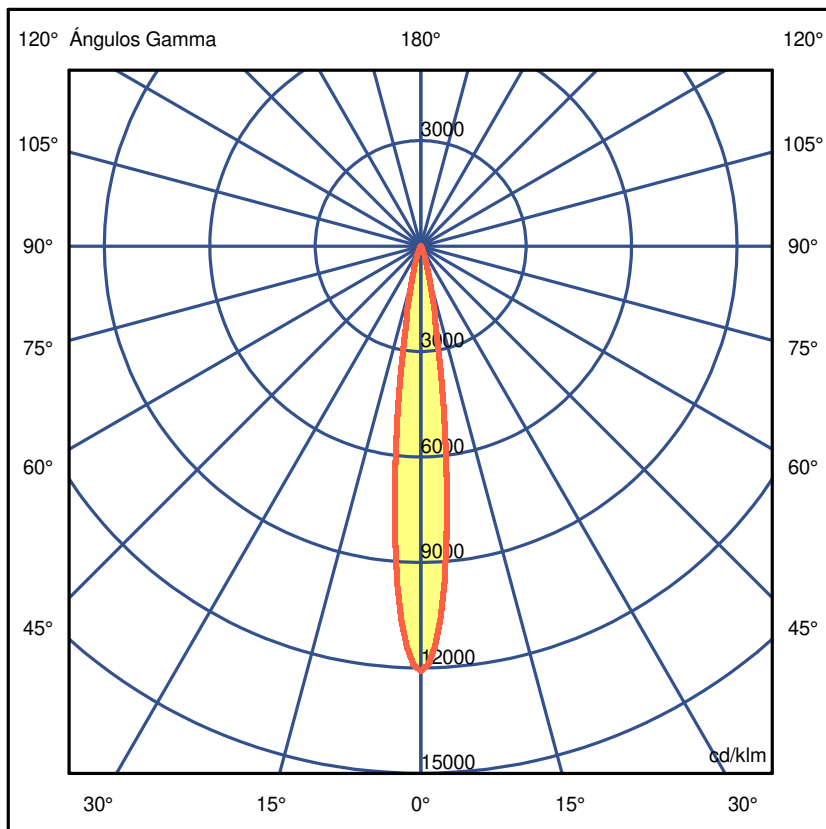
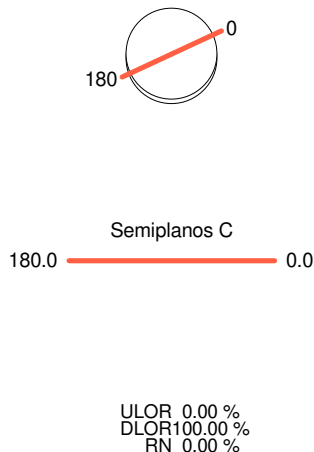
Luminaire Dimensions

Round Luminaire	Diam. 40 mm	Height 75 mm
Round Luminous Area	Diam. 30 mm	Height 0 mm
Horizontal Luminous Area	0.000707 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° 0.000171 m2

Photometric Assessment

Luminaire Flux 575.6 lm	Source Flux 575.6 lm
Efficacy 76.753 lm/W	Efficiency 100.0 %
CIE Flux Codes 99 100 100 100 100	D DIN 5040 A60
F UTE --	B NBN BZ 1

Diam=40mm



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Source Flux	576 lm	Maximum value	12087.14 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical
Luminous Intensity Table cd/klm				Table 1/1			
C 0.00		C 0.00		C 0.00		C 0.00	
G 0.0	12087.14	G 46.0	8.65	G 92.0	0.00	G 138.0	0.00
G 1.0	11906.46	G 47.0	6.49	G 93.0	0.00	G 139.0	0.00
G 2.0	11398.39	G 48.0	4.84	G 94.0	0.00	G 140.0	0.00
G 3.0	10641.64	G 49.0	3.38	G 95.0	0.00	G 141.0	0.00
G 4.0	9609.46	G 50.0	1.40	G 96.0	0.00	G 142.0	0.00
G 5.0	8403.07	G 51.0	0.07	G 97.0	0.00	G 143.0	0.00
G 6.0	7105.36	G 52.0	0.00	G 98.0	0.00	G 144.0	0.00
G 7.0	5832.33	G 53.0	0.00	G 99.0	0.00	G 145.0	0.00
G 8.0	4696.40	G 54.0	0.00	G 100.0	0.00	G 146.0	0.00
G 9.0	3673.09	G 55.0	0.00	G 101.0	0.00	G 147.0	0.00
G 10.0	2742.20	G 56.0	0.00	G 102.0	0.00	G 148.0	0.00
G 11.0	2106.91	G 57.0	0.00	G 103.0	0.00	G 149.0	0.00
G 12.0	1872.18	G 58.0	0.00	G 104.0	0.00	G 150.0	0.00
G 13.0	1452.99	G 59.0	0.00	G 105.0	0.00	G 151.0	0.00
G 14.0	1115.08	G 60.0	0.00	G 106.0	0.00	G 152.0	0.00
G 15.0	907.32	G 61.0	0.00	G 107.0	0.00	G 153.0	0.00
G 16.0	742.33	G 62.0	0.00	G 108.0	0.00	G 154.0	0.00
G 17.0	610.17	G 63.0	0.00	G 109.0	0.00	G 155.0	0.00
G 18.0	503.82	G 64.0	0.00	G 110.0	0.00	G 156.0	0.00
G 19.0	419.43	G 65.0	0.00	G 111.0	0.00	G 157.0	0.00
G 20.0	353.60	G 66.0	0.00	G 112.0	0.00	G 158.0	0.00
G 21.0	301.90	G 67.0	0.00	G 113.0	0.00	G 159.0	0.00
G 22.0	256.53	G 68.0	0.00	G 114.0	0.00	G 160.0	0.00
G 23.0	218.77	G 69.0	0.00	G 115.0	0.00	G 161.0	0.00
G 24.0	185.38	G 70.0	0.00	G 116.0	0.00	G 162.0	0.00
G 25.0	155.89	G 71.0	0.00	G 117.0	0.00	G 163.0	0.00
G 26.0	130.14	G 72.0	0.00	G 118.0	0.00	G 164.0	0.00
G 27.0	107.06	G 73.0	0.00	G 119.0	0.00	G 165.0	0.00
G 28.0	88.58	G 74.0	0.00	G 120.0	0.00	G 166.0	0.00
G 29.0	75.24	G 75.0	0.00	G 121.0	0.00	G 167.0	0.00
G 30.0	64.83	G 76.0	0.00	G 122.0	0.00	G 168.0	0.00
G 31.0	56.67	G 77.0	0.00	G 123.0	0.00	G 169.0	0.00
G 32.0	50.46	G 78.0	0.00	G 124.0	0.00	G 170.0	0.00
G 33.0	45.14	G 79.0	0.00	G 125.0	0.00	G 171.0	0.00
G 34.0	40.16	G 80.0	0.00	G 126.0	0.00	G 172.0	0.00
G 35.0	36.63	G 81.0	0.00	G 127.0	0.00	G 173.0	0.00
G 36.0	32.97	G 82.0	0.00	G 128.0	0.00	G 174.0	0.00
G 37.0	30.14	G 83.0	0.00	G 129.0	0.00	G 175.0	0.00
G 38.0	26.82	G 84.0	0.00	G 130.0	0.00	G 176.0	0.00
G 39.0	24.30	G 85.0	0.00	G 131.0	0.00	G 177.0	0.00
G 40.0	21.71	G 86.0	0.00	G 132.0	0.00	G 178.0	0.00
G 41.0	19.40	G 87.0	0.00	G 133.0	0.00	G 179.0	0.00
G 42.0	17.51	G 88.0	0.00	G 134.0	0.00	G 180.0	0.00
G 43.0	15.57	G 89.0	0.00	G 135.0	0.00		
G 44.0	13.35	G 90.0	0.00	G 136.0	0.00		
G 45.0	10.75	G 91.0	0.00	G 137.0	0.00		

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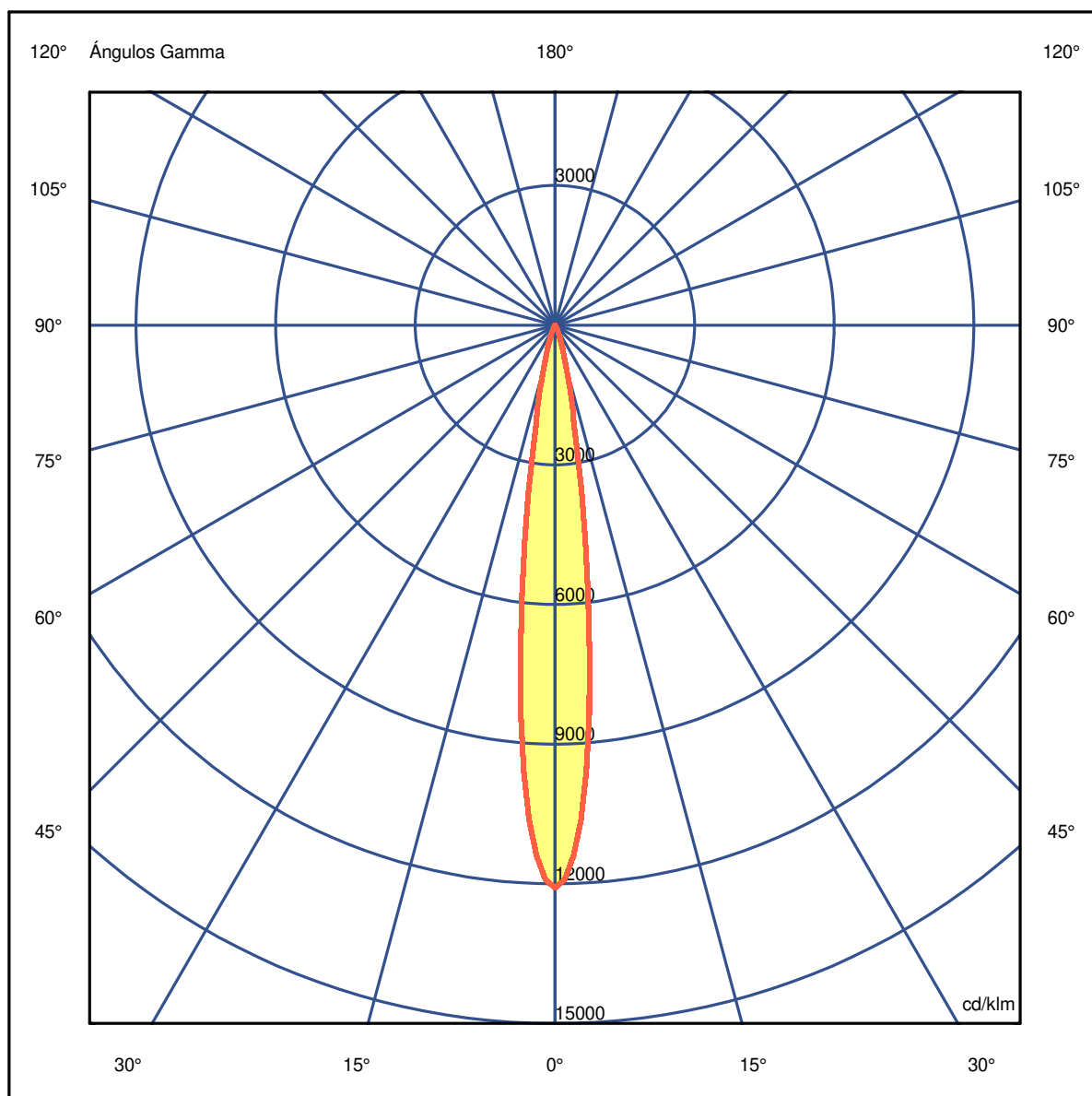
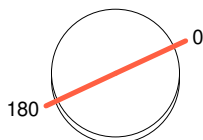
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Luminaire Flux	576 lm	Luminaire Power	7.5 W	Efficacy	76.753 lm/W	Efficiency	100.00%
Source Flux	576 lm	Maximum value	12087.14 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Diam=40mm

Semiplanos C

180.0  0.0



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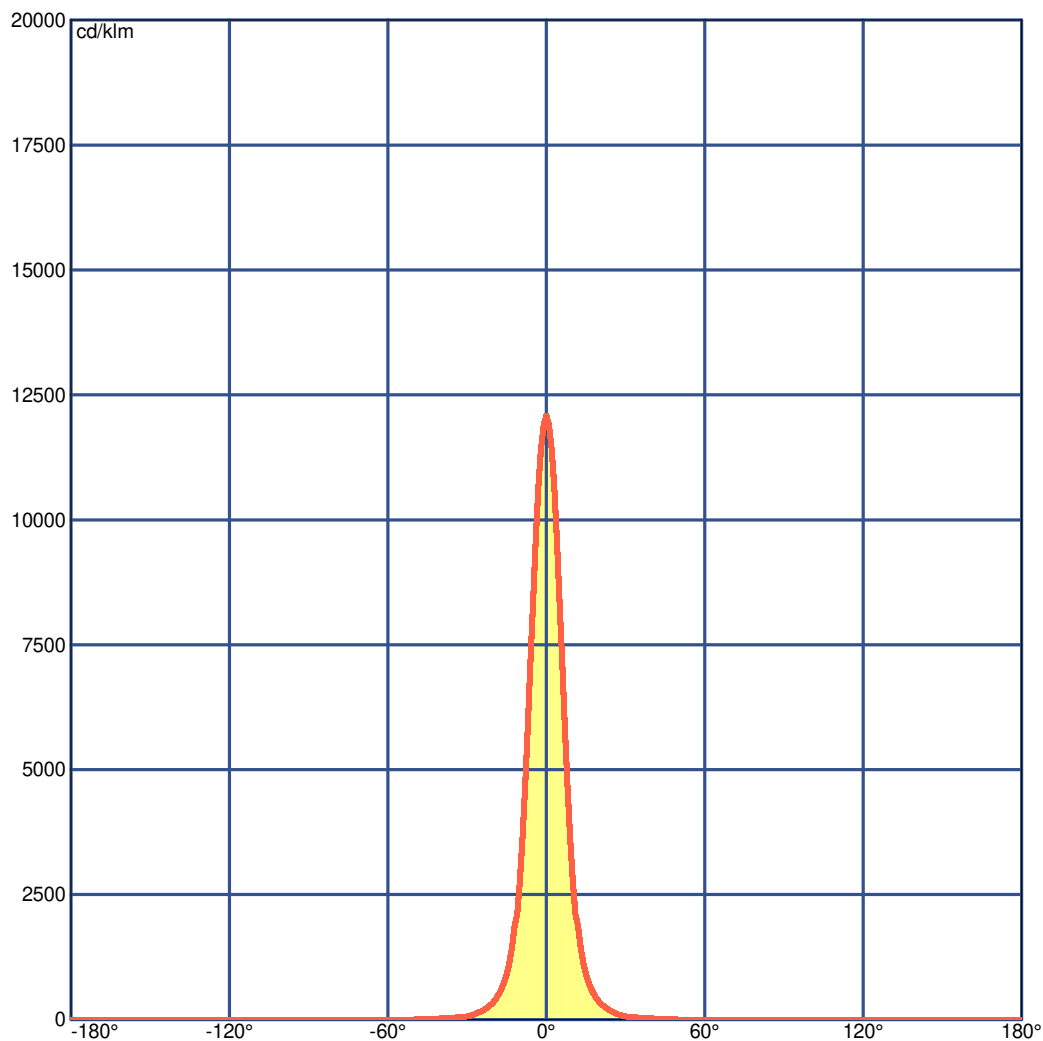
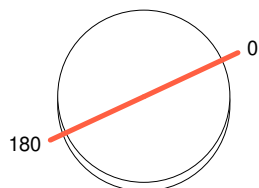
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UGR
S = 0.250

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	8.9	9.6	9.2	9.8	10.0	8.9	9.6	9.2	9.8	10.0
x=2H y=3H	8.8	9.4	9.1	9.6	9.8	8.8	9.4	9.1	9.6	9.8
x=2H y=4H	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5	9.8
x=2H y=6H	8.7	9.2	9.0	9.4	9.7	8.7	9.2	9.0	9.4	9.7
x=2H y=8H	8.6	9.1	9.0	9.4	9.7	8.6	9.1	9.0	9.4	9.7
x=2H y=12H	8.6	9.0	8.9	9.3	9.7	8.6	9.0	8.9	9.3	9.7
x=4H y=2H	8.7	9.3	9.0	9.5	9.8	8.7	9.3	9.0	9.5	9.8
x=4H y=3H	8.6	9.0	8.9	9.3	9.7	8.6	9.0	8.9	9.3	9.7
x=4H y=4H	8.5	8.9	8.9	9.2	9.6	8.5	8.9	8.9	9.2	9.6
x=4H y=6H	8.4	8.8	8.8	9.1	9.5	8.4	8.8	8.8	9.1	9.5
x=4H y=8H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1	9.5
x=4H y=12H	8.4	8.6	8.8	9.0	9.4	8.4	8.6	8.8	9.0	9.4
x=8H y=4H	8.4	8.7	8.8	9.1	9.5	8.4	8.7	8.8	9.1	9.5
x=8H y=6H	8.3	8.5	8.8	8.9	9.4	8.3	8.5	8.8	8.9	9.4
x=8H y=8H	8.3	8.4	8.7	8.9	9.3	8.3	8.4	8.7	8.9	9.3
x=8H y=12H	8.2	8.4	8.7	8.8	9.3	8.2	8.4	8.7	8.8	9.3
x=12H y=4H	8.4	8.6	8.8	9.0	9.4	8.4	8.6	8.8	9.0	9.4
x=12H y=6H	8.3	8.4	8.7	8.9	9.3	8.3	8.4	8.7	8.9	9.3
x=12H y=8H	8.2	8.4	8.7	8.8	9.3	8.2	8.4	8.7	8.8	9.3

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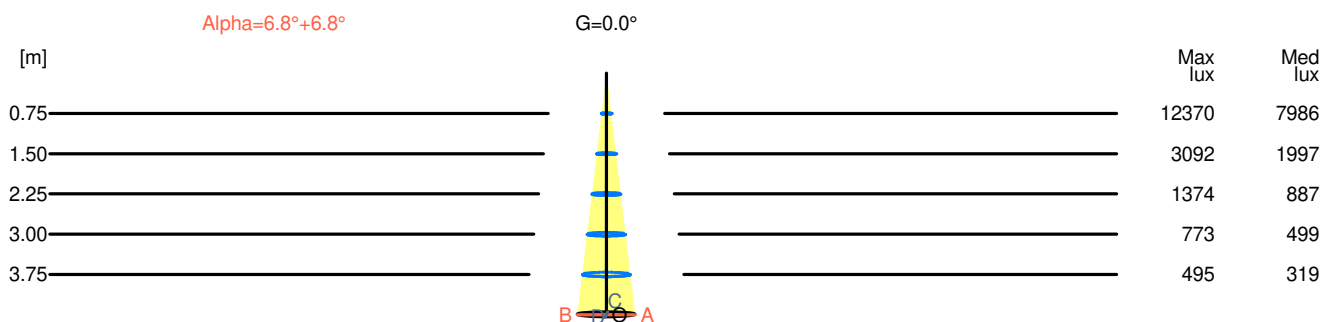
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Source Flux	576 lm	Maximum value	12087.14 cd/klm	Position	C=0.00 G=0.00	CG	Rotosymmetrical

Width at 50.00 % of Max Intensity

H[m]	0.75	1.50	2.25	3.00	3.75	H[m]	0.75	1.50	2.25	3.00	3.75
OA	0.09	0.18	0.27	0.36	0.45	OC	0.09	0.18	0.27	0.36	0.45
OB	0.09	0.18	0.27	0.36	0.45	OD	0.09	0.18	0.27	0.36	0.45

	Luminous Intensities [cd/klm]									
	0	5	15	25	35	45	55	65	75	85
OA	6957.91	4837.19	522.29	89.74	21.08	6.19	0.00	0.00	0.00	0.00
OB	6957.91	4837.19	522.29	89.74	21.08	6.19	0.00	0.00	0.00	0.00
OC	6957.91	4837.19	522.29	89.74	21.08	6.19	0.00	0.00	0.00	0.00
OD	6957.91	4837.19	522.29	89.74	21.08	6.19	0.00	0.00	0.00	0.00



H[m]	D[m]	Max lux	Med lux	Alpha=6.8°+6.8°	G=0.0	
0.75	0.18	12370	7986			
1.50	0.36	3092	1997			
2.25	0.54	1374	887			
3.00	0.72	773	499			
3.75	0.90	495	319			

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Flujo Total=575.65 Flujo Luminaria=575.65

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	0.74	0.78	0.83	0.86	0.88	0.93	0.96	0.98	0.99	1.00	1.02	1.02
RC	-	-	-	-	-	-	-	-	-	-	-	-

Flujo Zonal por 1000 Lúmenes

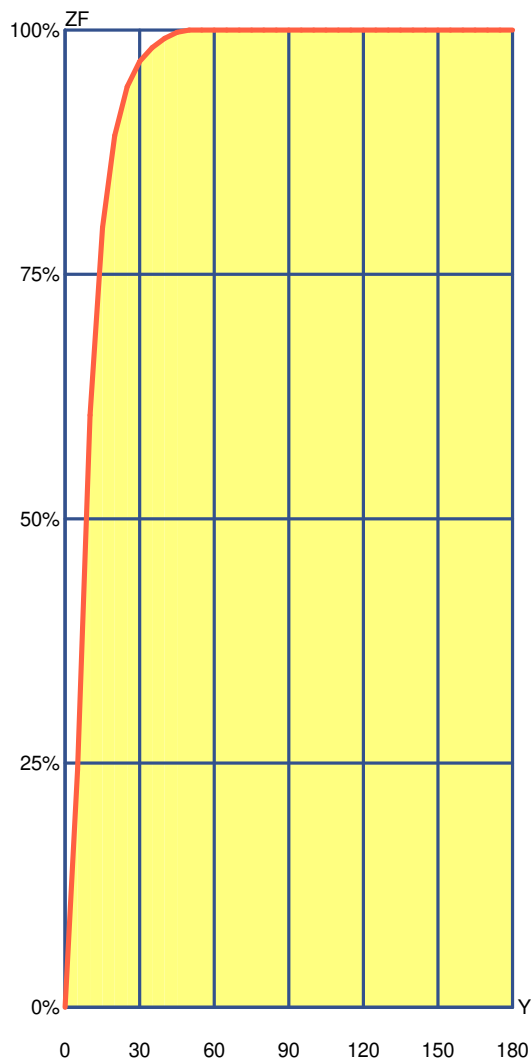
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	606	892	968	992	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

99 100 100 100 100

C.I.E.	-/-/-/-/-/-/-/-/-/-
D DIN 5040	A60
F UTE	--
B NBN	BZ 1
RN	0.00000 %
BLF	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°	242.92	242.92	24.29 %	24.29 %
10°	363.04	605.96	36.30 %	60.60 %
15°	192.05	798.01	19.20 %	79.80 %
20°	93.81	891.82	9.38 %	89.18 %
25°	50.38	942.20	5.04 %	94.22 %
30°	25.58	967.77	2.56 %	96.78 %
35°	14.23	982.01	1.42 %	98.20 %
40°	9.53	991.53	0.95 %	99.15 %
45°	6.05	997.58	0.60 %	99.76 %
50°	2.36	999.93	0.24 %	99.99 %
55°	0.07	1000.00	0.01 %	100.00 %
60°	0.00	1000.00	0.00 %	100.00 %
65°	0.00	1000.00	0.00 %	100.00 %
70°	0.00	1000.00	0.00 %	100.00 %
75°	0.00	1000.00	0.00 %	100.00 %
80°	0.00	1000.00	0.00 %	100.00 %
85°	0.00	1000.00	0.00 %	100.00 %
90°	0.00	1000.00	0.00 %	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

