

Luminaire

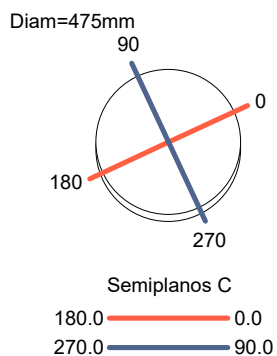
Code 487093/1A
Name DUO 4870 2700K

Measurem.

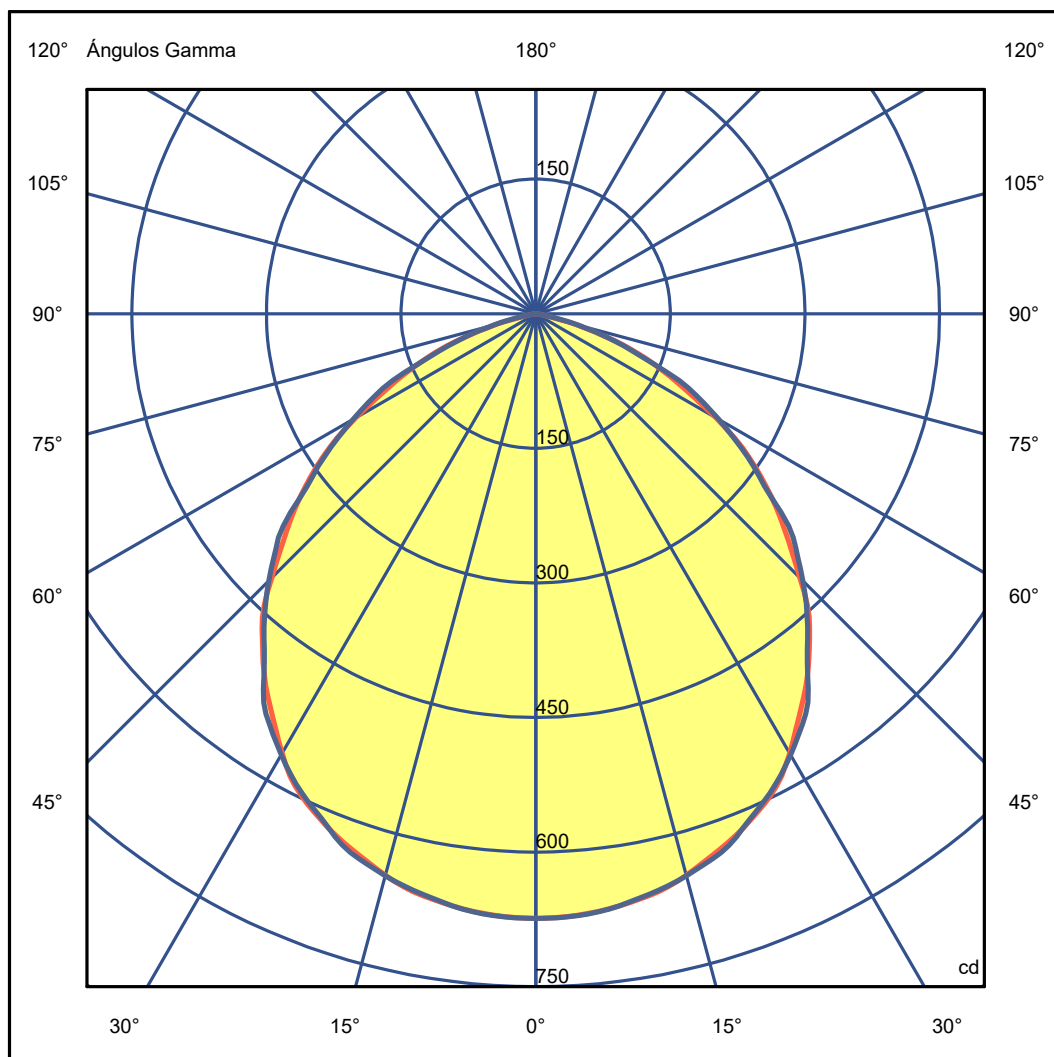
Code CL252A21F021G
Name DUO 4870 2700K

Luminaire Flux	1666.07 lm	Luminaire Power	25.84 W	Efficacy	64.48 lm/W	Efficiency	100.00%
Sources Flux	1666.07 lm	Maximum value	673.81 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	475 mm	Height	120 mm		
Round Luminous Area		Diam.	440 mm	Height	0 mm		
Horizontal Luminous Area		0.152053 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°		0.036785 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		14-09-2021		Maximum Gamma Angle		90	
Measurement Distance		6.44		Measurement Flux		1666.07 lm	
Operator		Asselum T2		Rated Voltage		230.10 V	
Temperature		25.10 °C		Rated Current		0.13 A	
Humidity		73.40 %		Photocell		Prc	
Notes		RM210902907					

Luminaire Sources						
Line		Code	Name	Flux [lm]	Pow. [W]	Q.ty
		5750147	LED	1666.07	25.84	1
C.I.E.	54 86 99 100 100		D DIN 5040	A40		
F UTE	1.00 D		B NBN	BZ 4 / 1 / BZ 3		



ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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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	673.81	673.81	673.81	673.81	673.81	673.81	673.81
G 2.5	672.92	672.92	673.19	673.19	672.87	673.16	673.25
G 5.0	670.70	670.50	670.99	671.32	670.74	670.80	671.43
G 7.5	667.37	667.05	667.29	667.24	667.46	667.45	667.53
G 10.0	662.65	662.46	661.20	662.39	662.91	663.03	661.48
G 12.5	656.86	655.91	655.24	655.71	657.28	656.54	655.54
G 15.0	647.63	647.43	647.75	648.50	648.09	648.27	648.33
G 17.5	636.89	637.99	639.34	638.40	637.29	638.25	639.91
G 20.0	626.78	626.32	626.99	627.58	627.32	627.55	630.31
G 22.5	615.26	614.71	615.36	615.79	616.04	616.15	614.22
G 25.0	602.47	601.68	599.03	601.93	603.32	603.05	600.27
G 27.5	587.16	584.91	584.07	584.29	585.50	586.83	585.04
G 30.0	565.47	565.27	566.76	567.89	567.97	567.50	567.53
G 32.5	541.93	541.40	548.10	545.51	543.19	545.03	548.89
G 35.0	520.70	520.25	520.81	522.32	522.80	522.69	528.44
G 37.5	498.32	497.70	499.32	499.36	500.55	500.45	497.08
G 40.0	474.25	474.48	468.37	473.80	477.38	474.72	471.27
G 42.5	449.55	446.58	444.56	445.38	446.83	450.14	446.75
G 45.0	416.43	416.48	418.89	420.40	417.87	419.34	420.89
G 47.5	384.72	384.39	392.64	389.69	387.37	389.95	394.33
G 50.0	356.89	356.65	357.48	358.87	360.09	360.41	367.67
G 52.5	328.14	328.59	329.28	329.97	332.09	332.87	326.18
G 55.0	299.03	299.42	293.71	298.05	303.41	299.44	296.05
G 57.5	268.00	265.88	263.63	264.74	262.97	270.01	265.63
G 60.0	232.03	230.87	233.25	232.25	233.72	234.66	235.45
G 62.5	195.05	195.00	201.06	201.48	198.89	201.55	206.47
G 65.0	165.16	166.22	168.75	168.44	170.09	170.78	176.56
G 67.5	136.00	136.64	137.33	137.19	140.87	137.04	134.68
G 70.0	108.14	108.84	102.18	107.49	108.55	109.33	103.44
G 72.5	73.58	77.29	74.69	76.35	74.81	77.07	76.44
G 75.0	45.89	47.17	49.21	49.74	47.81	51.54	49.68
G 77.5	21.90	27.39	25.68	30.55	24.61	29.67	27.57
G 80.0	8.48	15.49	9.19	17.36	10.11	15.04	11.63
G 82.5	5.81	6.50	6.03	6.60	6.44	7.03	6.19
G 85.0	3.79	3.66	3.53	4.00	3.94	4.09	3.85
G 87.5	1.34	1.75	1.66	1.88	1.74	1.92	1.72
G 90.0	0.71	0.72	0.72	0.72	0.71	0.71	0.69

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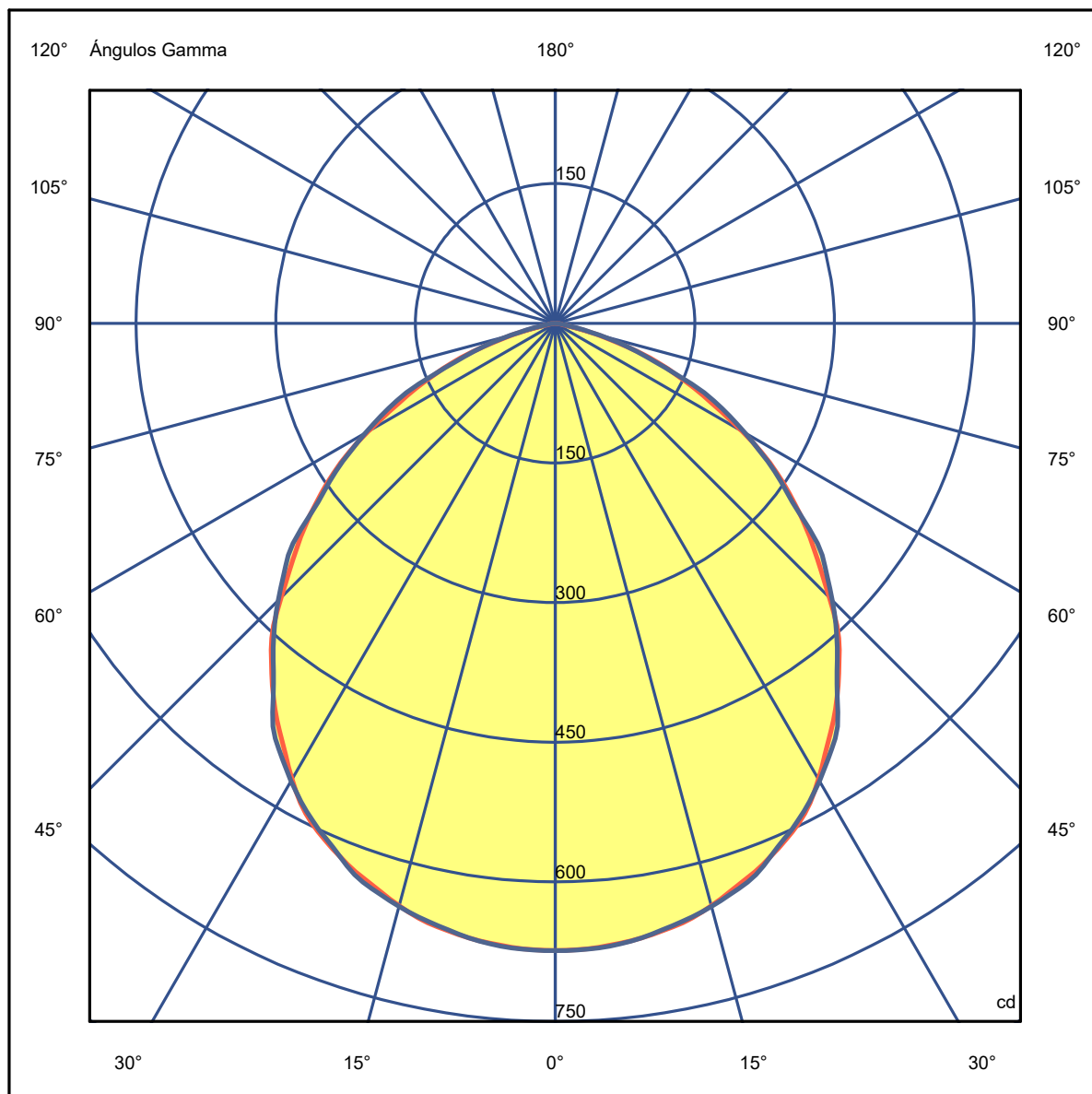
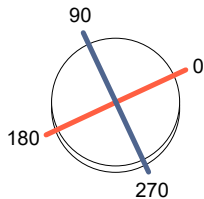
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Sources Flux	1666.07 lm	Maximum value	673.81 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

Diam=475mm

Semiplanos C

180.0 — 0.0
270.0 — 90.0



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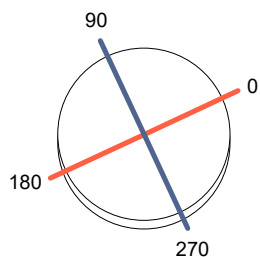
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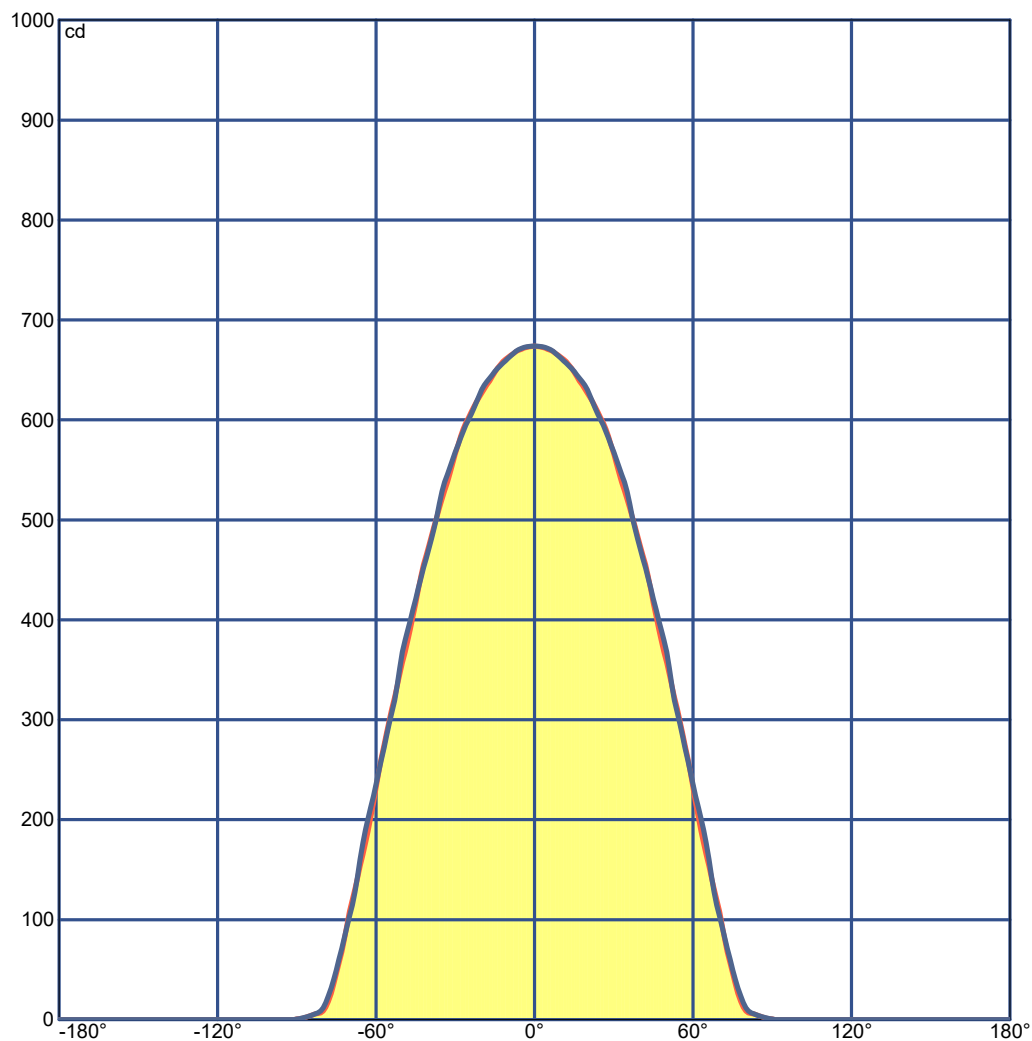
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180.0 ————— 0.0
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Sources Flux	1666.07 lm	Maximum value	673.81 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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
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	16.8	18.0	17.1	18.2	18.4	16.8	18.1	17.1	18.3	18.5
x=2H y=3H	17.7	18.8	18.0	19.0	19.3	17.8	18.9	18.1	19.1	19.4
x=2H y=4H	17.8	18.9	18.2	19.1	19.4	17.9	18.9	18.2	19.2	19.5
x=2H y=6H	17.8	18.8	18.2	19.1	19.4	17.9	18.9	18.3	19.2	19.5
x=2H y=8H	17.8	18.7	18.1	19.0	19.3	17.9	18.8	18.2	19.1	19.4
x=2H y=12H	17.8	18.6	18.1	18.9	19.3	17.9	18.7	18.2	19.0	19.4
x=4H y=2H	17.3	18.3	17.6	18.6	18.8	17.3	18.3	17.6	18.6	18.9
x=4H y=3H	18.3	19.2	18.7	19.5	19.8	18.4	19.2	18.7	19.5	19.9
x=4H y=4H	18.5	19.3	18.9	19.6	20.0	18.6	19.3	19.0	19.7	20.0
x=4H y=6H	18.5	19.2	18.9	19.5	19.9	18.6	19.3	19.0	19.6	20.0
x=4H y=8H	18.5	19.1	18.9	19.5	19.9	18.6	19.2	19.0	19.6	20.0
x=4H y=12H	18.4	19.0	18.9	19.4	19.8	18.5	19.1	19.0	19.5	19.9
x=8H y=4H	18.5	19.1	19.0	19.5	19.9	18.6	19.2	19.0	19.6	20.0
x=8H y=6H	18.6	19.0	19.0	19.5	19.9	18.6	19.1	19.1	19.6	20.0
x=8H y=8H	18.5	19.0	19.0	19.4	19.9	18.6	19.1	19.1	19.5	20.0
x=8H y=12H	18.5	18.9	19.0	19.3	19.8	18.6	19.0	19.1	19.4	19.9
x=12H y=4H	18.6	19.1	19.0	19.5	19.9	18.6	19.2	19.1	19.6	20.0
x=12H y=6H	18.6	19.0	19.1	19.5	19.9	18.7	19.1	19.2	19.6	20.0
x=12H y=8H	18.6	18.9	19.1	19.4	19.9	18.7	19.0	19.1	19.5	20.0

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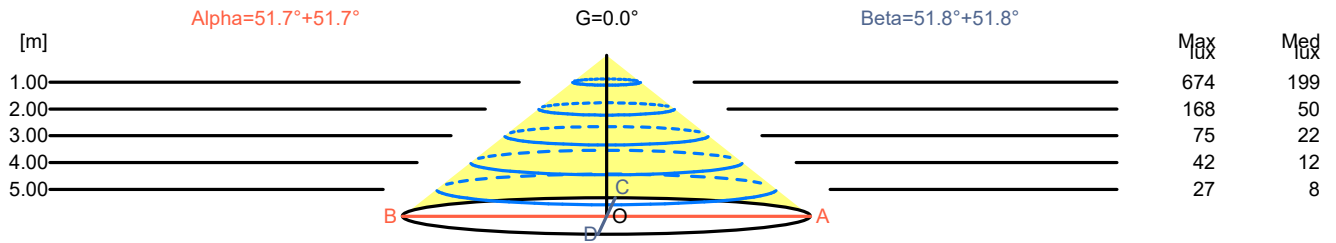
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Sources Flux	1666.07 lm	Maximum value	673.81 cd	Position	C=0.00 G=0.00	CG Double Symmetrical	

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	1.27	2.54	3.80	5.07	6.34	OC	1.27	2.55	3.82	5.09	6.36
OB	1.27	2.54	3.80	5.07	6.34	OD	1.27	2.55	3.82	5.09	6.36

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	673.81	670.70	647.63	602.47	520.70	416.43	299.03	165.16	45.89	3.79
OB	673.81	670.70	647.63	602.47	520.70	416.43	299.03	165.16	45.89	3.79
OC	673.81	671.43	648.33	600.27	528.44	420.89	296.05	176.56	49.68	3.85
OD	673.81	671.43	648.33	600.27	528.44	420.89	296.05	176.56	49.68	3.85



H[m]	D[m]	Max lux	Med lux	Alpha=51.7°+51.7°	G=0.0	
1.00	2.54	674	199			
2.00	5.07	168	50			
3.00	7.61	75	22			
4.00	10.15	42	12			
5.00	12.68	27	8			

H[m]	D[m]	Max lux	Med lux	Beta=51.8°+51.8°	G=0.0	
1.00	2.55	674	199			
2.00	5.09	168	50			
3.00	7.64	75	22			
4.00	10.18	42	12			
5.00	12.73	27	8			

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Flujo Total=1666.07 Flujo Luminaria=1666.07

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	0.35	0.44	0.52	0.59	0.65	0.73	0.79	0.82	0.87	0.89	0.94	0.97
RC	4	4	4	4	4	3	3	3	3	3	3	3

Flujo Zonal por 1000 Lúmenes

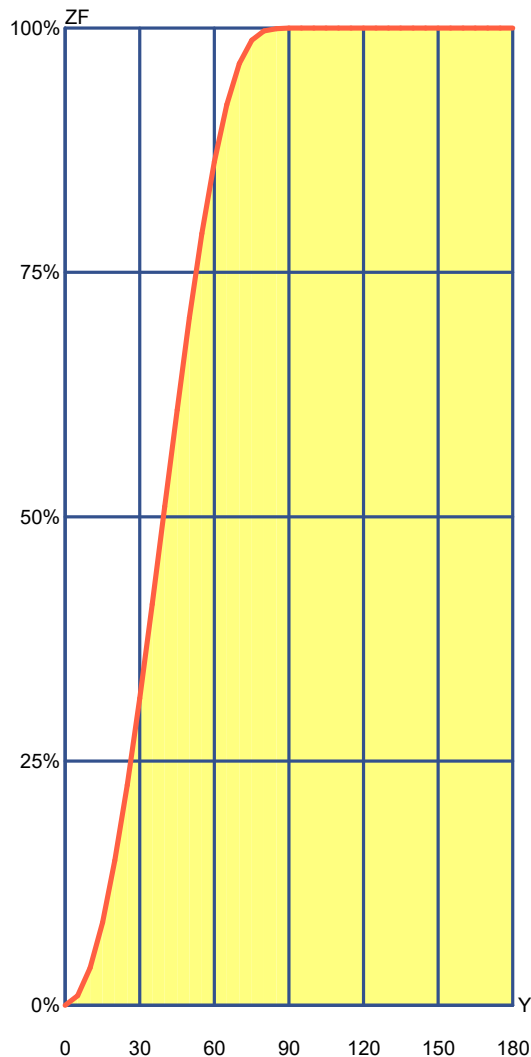
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	38	148	314	510	704	863	964	997	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.

54 86 99 100 100

C.I.E. 4/4/4/4/4/3/3/3/3/3
D DIN 5040 A40
F UTE 1.00 D
B NBN BZ 4 / 1 / BZ 3
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°	9.65	9.65	0.96 %	0.96 %
10°	28.63	38.28	2.86 %	3.83 %
15°	46.66	84.94	4.67 %	8.49 %
20°	63.08	148.02	6.31 %	14.80 %
25°	77.39	225.41	7.74 %	22.54 %
30°	88.79	314.20	8.88 %	31.42 %
35°	96.22	410.42	9.62 %	41.04 %
40°	99.78	510.20	9.98 %	51.02 %
45°	99.17	609.37	9.92 %	60.94 %
50°	94.27	703.64	9.43 %	70.36 %
55°	85.93	789.57	8.59 %	78.96 %
60°	73.68	863.25	7.37 %	86.33 %
65°	58.45	921.70	5.84 %	92.17 %
70°	41.83	963.53	4.18 %	96.35 %
75°	24.10	987.63	2.41 %	98.76 %
80°	9.30	996.93	0.93 %	99.69 %
85°	2.41	999.34	0.24 %	99.93 %
90°	0.66	1000.00	0.07 %	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

