

Luminaire

Code 6438
Name Colgante Teja Largo 160cm

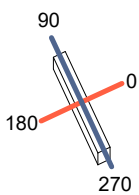
Measurem.

Code CL252A21F003GE4
Name Colgante Teja Largo 160cm

Luminaire Flux	1874.16 lm	Luminaire Power	41.40 W	Efficacy	45.27 lm/W	Efficiency	100.00%
Sources Flux	1874.16 lm	Maximum value	585.84 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Rectangular Luminaire		Length	1600 mm	Width	200 mm	Height	115 mm
Rectangular Luminous Area		Length	1600 mm	Width	200 mm	Height	0 mm
Horizontal Luminous Area		0.320000 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°		0.077415 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		29-01-2021		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		1874.17 lm	
Operator		ASSELUM		Rated Voltage			
Temperature		25.20 °C		Rated Current			
Humidity		37.50 %		Photocell		Prc	
Notes							

Luminaire Sources						
Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty	
	LED	LED	1874.16	41.40	1	
C.I.E.	44 76 95 96 100	D DIN 5040	A31			
F UTE	0.96 E + 0.04 T	B NBN	BZ 5			

1600mm x 200mm



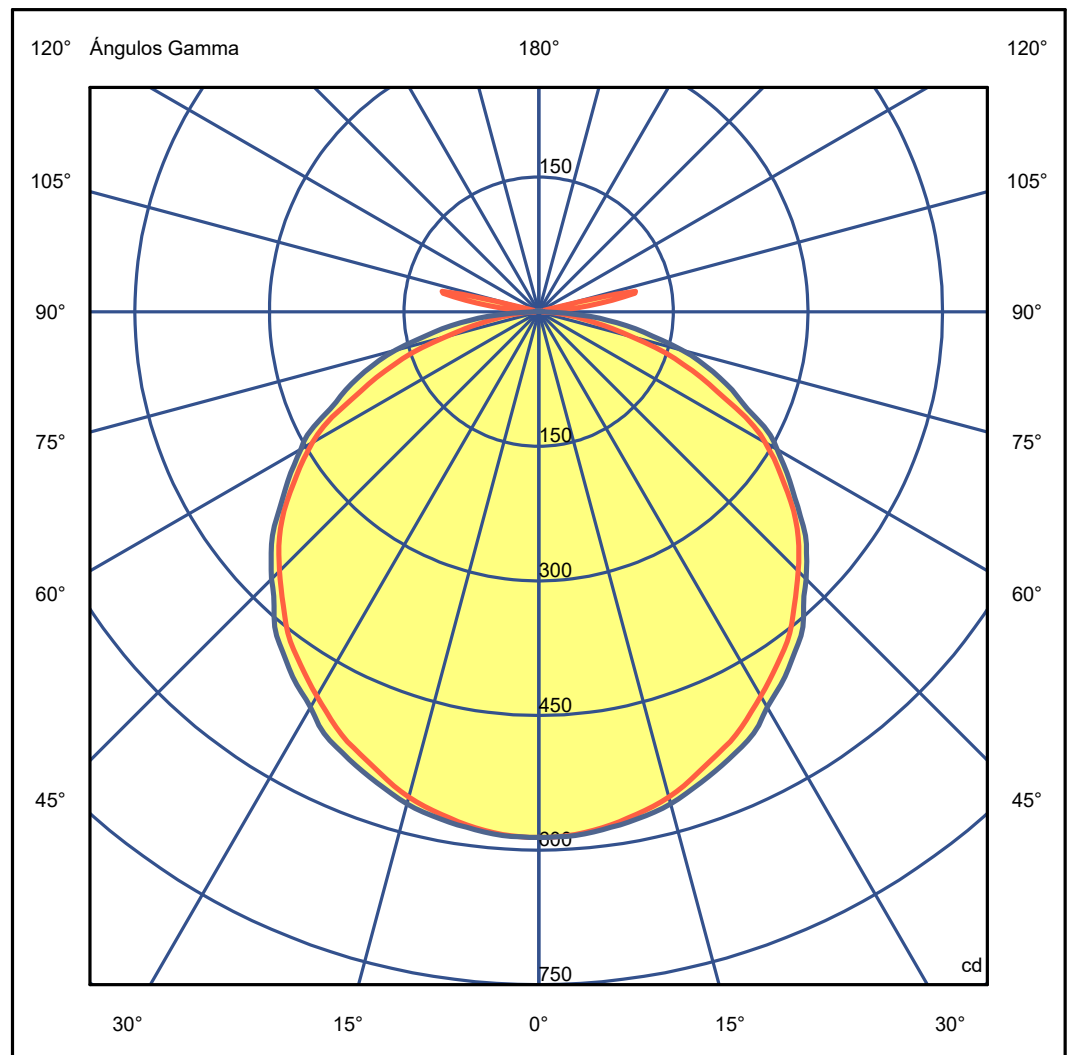
Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 4.23 %

DLOR 95.77 %

RN 4.23 %



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Sources Flux	1874.16 lm	Maximum value	585.84 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
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	585.84	585.84	585.84	585.84	585.84	585.84	585.84
G 2.5	585.11	585.01	585.05	585.18	585.29	585.37	585.42
G 5.0	582.58	582.58	582.80	583.17	583.63	584.02	584.10
G 7.5	578.45	578.62	579.22	579.90	580.40	580.68	580.77
G 10.0	572.84	573.03	573.89	575.06	576.19	577.03	577.37
G 12.5	566.79	567.04	568.12	569.67	571.29	572.57	573.10
G 15.0	559.74	559.60	560.63	562.51	564.86	566.90	567.77
G 17.5	550.24	550.87	552.44	554.60	556.74	558.93	559.71
G 20.0	539.24	539.76	541.96	545.03	547.74	550.42	551.65
G 22.5	529.75	529.92	531.62	534.63	538.11	541.83	543.38
G 25.0	519.99	519.53	520.78	523.83	528.42	532.77	534.70
G 27.5	507.25	506.82	507.93	511.25	516.85	522.38	524.88
G 30.0	494.66	494.72	496.30	499.33	503.54	507.39	508.89
G 32.5	482.07	481.04	481.92	485.03	490.22	495.31	497.60
G 35.0	469.74	468.21	468.36	471.09	476.62	482.36	485.00
G 37.5	457.09	454.51	453.70	456.08	462.15	468.78	471.89
G 40.0	440.82	438.67	437.78	440.11	446.94	454.50	458.08
G 42.5	424.18	422.11	421.82	424.16	428.93	434.42	436.83
G 45.0	408.62	405.74	404.44	406.28	412.06	418.47	421.20
G 47.5	392.95	389.97	388.49	390.12	395.73	402.02	404.72
G 50.0	375.72	371.99	370.00	371.58	377.52	384.37	387.66
G 52.5	356.02	353.44	351.88	353.00	357.72	363.12	365.51
G 55.0	333.59	331.03	330.55	332.73	337.77	343.02	345.00
G 57.5	313.22	310.35	309.40	311.47	317.14	323.27	325.61
G 60.0	291.20	288.33	287.77	290.50	297.03	303.69	306.27
G 62.5	265.58	263.25	263.44	267.40	275.35	283.57	287.36
G 65.0	229.50	231.53	237.33	244.44	250.69	255.02	256.63
G 67.5	200.83	203.60	210.70	219.56	226.60	233.28	236.18
G 70.0	171.46	174.73	182.60	192.82	201.81	210.47	214.37
G 72.5	142.69	144.72	152.24	163.45	176.18	186.77	191.20
G 75.0	108.34	113.58	121.83	131.53	146.54	159.77	165.45
G 77.5	79.34	81.14	88.48	100.56	115.77	129.15	134.89
G 80.0	56.82	57.16	61.84	72.11	87.77	102.73	109.40
G 82.5	38.34	37.95	41.30	49.79	63.46	76.74	82.71
G 85.0	22.25	21.16	22.64	28.72	40.00	51.49	56.74
G 87.5	10.81	11.11	12.60	15.25	18.74	21.89	23.25
G 90.0	3.48	6.11	8.82	10.18	9.28	7.41	6.38
G 92.5	8.36	14.81	19.68	20.06	14.70	7.33	3.61
G 95.0	30.01	39.69	46.65	44.60	30.28	12.77	4.24
G 97.5	62.65	68.79	72.51	67.96	44.15	16.82	3.76
G100.0	96.21	83.07	65.85	48.47	27.27	10.34	3.41
G102.5	102.39	72.58	39.14	13.08	2.24	1.68	3.29
G105.0	12.26	12.47	13.74	13.45	9.93	5.44	3.23
G107.5	1.68	6.71	12.21	14.51	11.34	5.99	3.17
G110.0	1.50	6.94	12.88	15.36	11.93	6.15	3.10
G112.5	1.46	7.11	13.27	15.82	12.22	6.18	3.00
G115.0	1.50	7.30	13.61	16.20	12.46	6.22	2.92
G117.5	1.50	7.28	13.56	16.11	12.29	5.98	2.65
G120.0	1.50	7.19	13.38	15.85	12.00	5.68	2.36
G122.5	1.55	7.13	13.16	15.49	11.55	5.19	1.87
G125.0	1.55	6.77	12.42	14.57	10.81	4.77	1.61
G127.5	1.55	6.36	11.55	13.48	9.93	4.30	1.35
G130.0	1.61	6.01	10.74	12.48	9.19	3.98	1.27
G132.5	1.64	5.45	9.54	11.02	8.15	3.63	1.27
G135.0	1.67	4.66	7.89	9.06	6.77	3.17	1.30
G137.5	1.67	4.11	6.68	7.58	5.71	2.80	1.30
G140.0	1.70	3.69	5.77	6.47	4.92	2.53	1.30
G142.5	1.73	3.23	4.78	5.28	4.08	2.24	1.30
G145.0	1.74	2.88	4.02	4.37	3.42	2.02	1.30
G147.5	1.76	2.59	3.40	3.62	2.90	1.84	1.30
G150.0	1.76	2.34	2.90	3.02	2.47	1.69	1.30
G152.5	1.76	2.15	2.50	2.56	2.16	1.61	1.34
G155.0	1.76	2.00	2.17	2.17	1.90	1.56	1.35
G157.5	1.72	1.86	1.97	1.94	1.74	1.48	1.35
G160.0	1.67	1.75	1.81	1.79	1.65	1.48	1.40
G162.5	1.66	1.70	1.72	1.68	1.57	1.45	1.40
G165.0	1.61	1.63	1.64	1.62	1.54	1.46	1.41
G167.5	1.54	1.57	1.60	1.58	1.52	1.45	1.41
G170.0	1.50	1.53	1.57	1.57	1.52	1.45	1.41
G172.5	1.50	1.52	1.55	1.55	1.50	1.44	1.41
G175.0	1.50	1.51	1.53	1.53	1.50	1.47	1.44
G177.5	1.50	1.51	1.52	1.52	1.49	1.46	1.44
G180.0	1.50	1.50	1.50	1.50	1.50	1.50	1.50

Luminaire

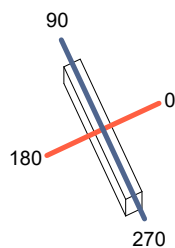
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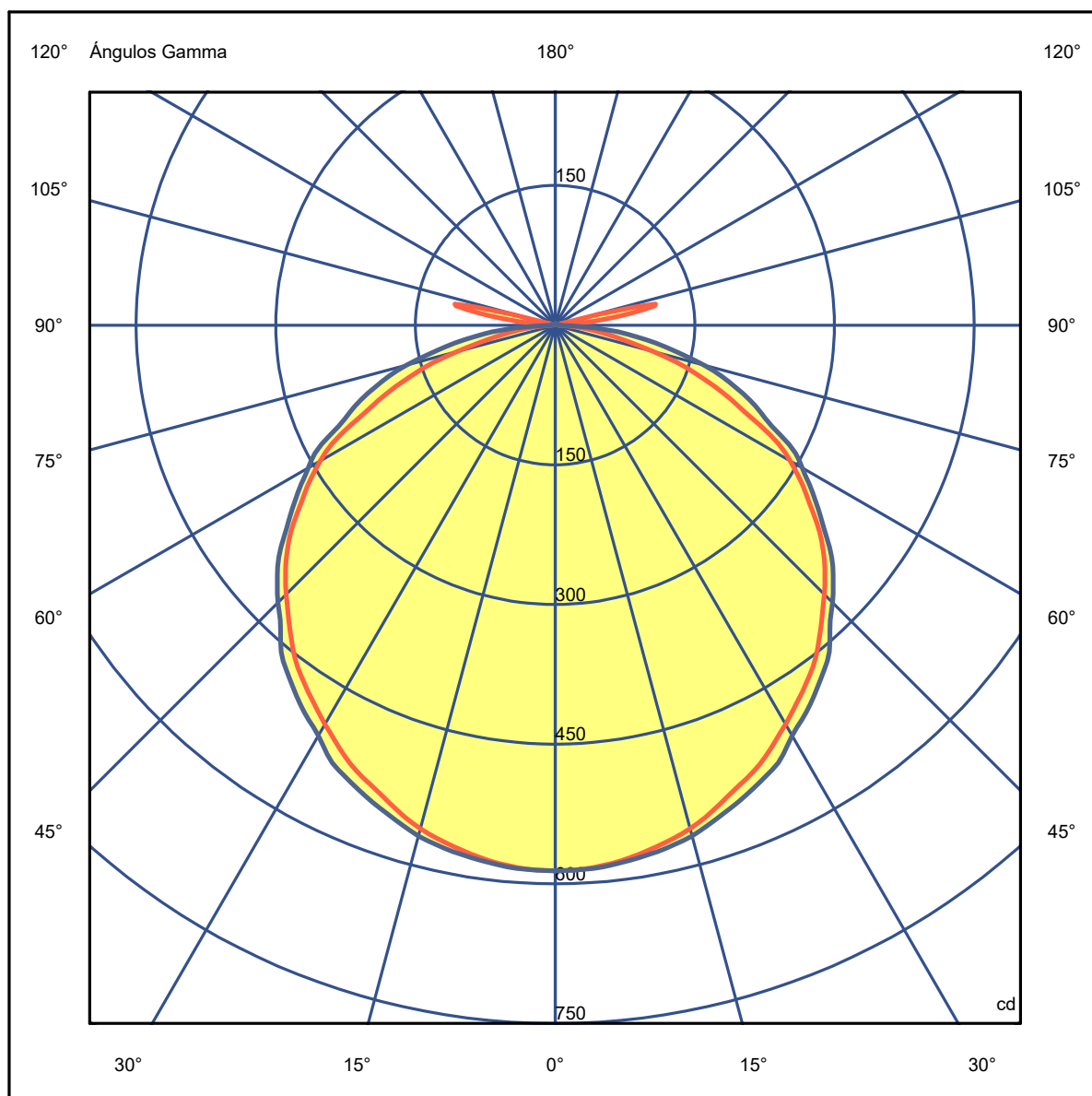
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Sources Flux	1874.16 lm	Maximum value	585.84 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1600mm x 200mm



Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

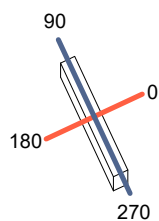
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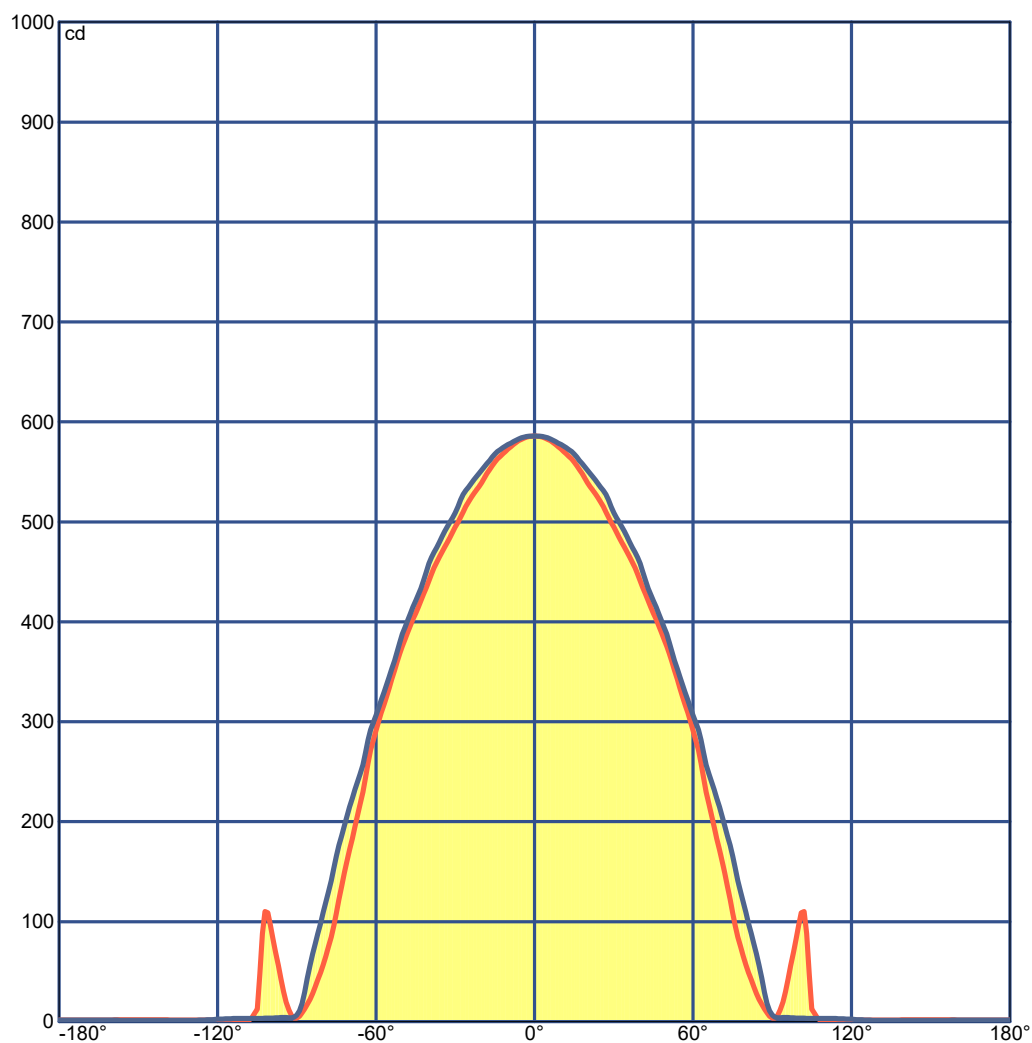
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1600mm x 200mm



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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	14.5	15.8	14.9	16.2	16.5	14.8	16.1	15.2	16.4	16.8
x=2H y=3H	16.1	17.3	16.5	17.6	18.0	16.7	17.9	17.1	18.3	18.6
x=2H y=4H	16.6	17.7	17.0	18.1	18.5	17.6	18.7	18.0	19.1	19.5
x=2H y=6H	16.9	17.9	17.3	18.3	18.7	18.3	19.3	18.7	19.7	20.1
x=2H y=8H	17.0	18.0	17.4	18.4	18.8	18.6	19.6	19.0	19.9	20.4
x=2H y=12H	17.0	18.0	17.4	18.4	18.8	18.8	19.7	19.2	20.1	20.6
x=4H y=2H	15.3	16.4	15.7	16.8	17.1	15.5	16.6	15.9	17.0	17.4
x=4H y=3H	17.0	18.0	17.5	18.4	18.8	17.6	18.6	18.0	19.0	19.4
x=4H y=4H	17.7	18.5	18.1	18.9	19.4	18.6	19.4	19.1	19.9	20.3
x=4H y=6H	18.0	18.8	18.5	19.2	19.7	19.4	20.2	19.9	20.6	21.1
x=4H y=8H	18.1	18.8	18.6	19.3	19.8	19.8	20.4	20.3	20.9	21.4
x=4H y=12H	18.2	18.8	18.7	19.3	19.8	20.0	20.7	20.6	21.2	21.7
x=8H y=4H	18.0	18.7	18.5	19.1	19.7	18.8	19.5	19.3	20.0	20.5
x=8H y=6H	18.5	19.0	19.0	19.5	20.1	19.8	20.4	20.3	20.9	21.4
x=8H y=8H	18.6	19.1	19.2	19.6	20.2	20.3	20.7	20.8	21.3	21.8
x=8H y=12H	18.7	19.1	19.3	19.7	20.3	20.6	21.0	21.2	21.6	22.2
x=12H y=4H	18.7	19.3	19.2	19.8	20.3	19.0	19.7	19.6	20.2	20.7
x=12H y=6H	19.1	19.6	19.7	20.1	20.7	20.0	20.5	20.5	21.0	21.6
x=12H y=8H	19.3	19.7	19.8	20.2	20.8	20.4	20.9	21.0	21.4	22.0

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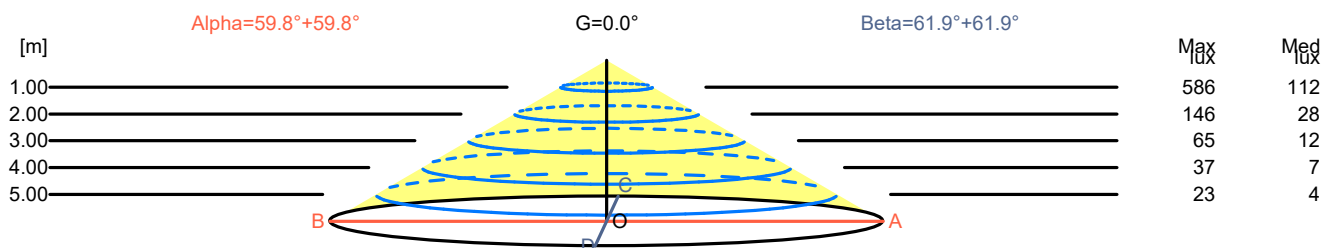
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Width at 50.00 % of Max Intensity

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	1.72	3.44	5.16	6.88	8.59	OC	1.87	3.74	5.62	7.49	9.36
OB	1.72	3.44	5.16	6.88	8.59	OD	1.87	3.74	5.62	7.49	9.36

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	585.84	582.58	559.74	519.99	469.74	408.62	333.59	229.50	108.34	22.25
OB	585.84	582.58	559.74	519.99	469.74	408.62	333.59	229.50	108.34	22.25
OC	585.84	584.10	567.77	534.70	485.00	421.20	345.00	256.63	165.45	56.74
OD	585.84	584.10	567.77	534.70	485.00	421.20	345.00	256.63	165.45	56.74



H[m]	D[m]	Max lux	Med lux	Alpha=59.8°+59.8°	G=0.0	
1.00	3.44	586	112			
2.00	6.88	146	28			
3.00	10.31	65	12			
4.00	13.75	37	7			
5.00	17.19	23	4			

H[m]	D[m]	Max lux	Med lux	Beta=61.9°+61.9°	G=0.0	
1.00	3.74	586	112			
2.00	7.49	146	28			
3.00	11.23	65	12			
4.00	14.98	37	7			
5.00	18.72	23	4			

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Flujo Total=1874.16 Flujo Luminaria=1874.16

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	0.29	0.37	0.44	0.52	0.57	0.66	0.72	0.76	0.82	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

Flujo Zonal por 1000 Lúmenes

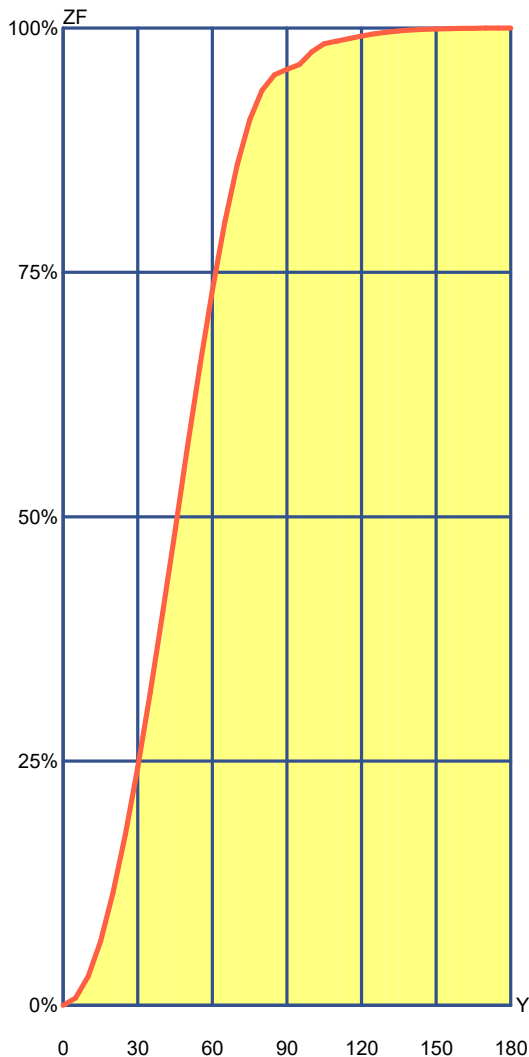
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	30	114	243	402	571	731	860	936	958	976	987	992	996	998	999	1000	1000	1000

Códigos de Flujo C.I.E.

44 76 95 96 100

C.I.E. 5
D DIN 5040 A31
F UTE 0.96 E + 0.04 T
B NBN BZ 5
RN 4.23312 %
BLF 1.0

LOR 100.00000 %
ULOR 4.23312 %
DLOR 95.76688 %
UFF 4.23312 %
DFF 95.76688 %
FFR 4.42023 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	7.46	7.46	0.75 %	0.75 %
10°	22.11	29.56	2.21 %	2.96 %
15°	36.03	65.59	3.60 %	6.56 %
20°	48.73	114.32	4.87 %	11.43 %
25°	59.89	174.21	5.99 %	17.42 %
30°	69.28	243.49	6.93 %	24.35 %
35°	76.53	320.02	7.65 %	32.00 %
40°	81.80	401.82	8.18 %	40.18 %
45°	84.37	486.19	8.44 %	48.62 %
50°	84.86	571.05	8.49 %	57.11 %
55°	82.64	653.69	8.26 %	65.37 %
60°	77.69	731.38	7.77 %	73.14 %
65°	70.08	801.47	7.01 %	80.15 %
70°	58.99	860.45	5.90 %	86.05 %
75°	45.83	906.29	4.58 %	90.63 %
80°	29.95	936.24	3.00 %	93.62 %
85°	16.03	952.27	1.60 %	95.23 %
90°	5.40	957.67	0.54 %	95.77 %
95°	4.90	962.57	0.49 %	96.26 %
100°	13.08	975.65	1.31 %	97.57 %
105°	8.47	984.12	0.85 %	98.41 %
110°	2.61	986.73	0.26 %	98.67 %
115°	2.56	989.29	0.26 %	98.93 %
120°	2.47	991.76	0.25 %	99.18 %
125°	2.21	993.98	0.22 %	99.40 %
130°	1.83	995.80	0.18 %	99.58 %
135°	1.40	997.20	0.14 %	99.72 %
140°	0.95	998.15	0.09 %	99.81 %
145°	0.63	998.78	0.06 %	99.88 %
150°	0.42	999.20	0.04 %	99.92 %
155°	0.28	999.49	0.03 %	99.95 %
160°	0.20	999.68	0.02 %	99.97 %
165°	0.14	999.83	0.01 %	99.98 %
170°	0.10	999.92	0.01 %	99.99 %
175°	0.06	999.98	0.01 %	100.00 %
180°	0.02	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

