

Luminaire

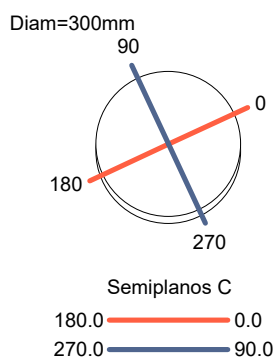
Code 363_SOFT_30
Name SOFT_30_OPTICAL_SET

Measurment

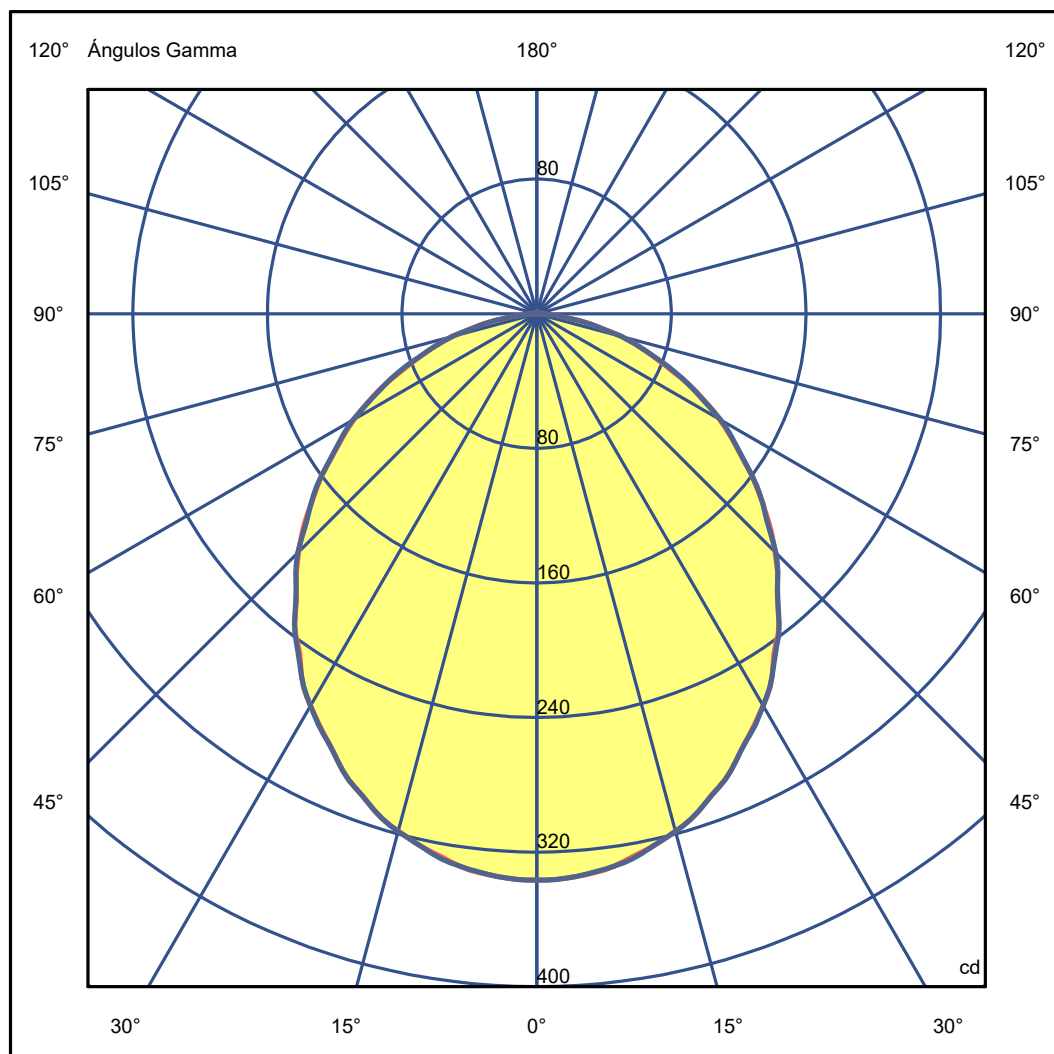
Code CL092A22F006G
Name SOFT_30_OPTICAL_SET

Luminaire Flux	867.95 lm	Luminaire Power	10.01 W	Efficacy	86.73 lm/W	Efficiency	57.06%
Sources Flux	1521.00 lm	Maximum value	336.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical
Round Luminaire		Diam.	300 mm	Height	235 mm		
Round Luminous Area		Diam.	285 mm	Height	0 mm		
Horizontal Luminous Area		0.063794 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°		0.015433 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		01-03-2022		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		867.96 lm	
Operator		ASSELUM		Rated Voltage		230.28 V	
Temperature		24.90 °C		Rated Current		0.07 A	
Humidity		26.80 %		Photocell		Prc	
Notes		RM22021701					

Luminaire Sources						
Line		Code	Name	Flux [lm]	Pow. [W]	Q.ty
		LED	LED	1521.00	10.01	1
C.I.E.	50 81 96 99 57		D DIN 5040	A31		
F UTE	0.57 E		B NBN	BZ 4		



ULOR 0.35 %
DLOR 56.71 %
RN 0.62 %



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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	336.62	336.62	336.62	336.62	336.62	336.62	336.62
G 2.5	336.20	336.06	336.02	336.04	336.11	336.17	336.20
G 5.0	334.56	334.32	334.18	334.16	334.24	334.36	334.42
G 7.5	332.22	331.92	331.74	331.71	331.81	331.94	332.00
G 10.0	327.68	327.59	327.97	328.43	328.67	328.72	328.71
G 12.5	323.51	323.18	323.28	323.47	323.52	323.46	323.42
G 15.0	318.27	317.94	318.17	318.51	318.62	318.56	318.51
G 17.5	312.55	311.75	311.65	311.89	312.17	312.37	312.45
G 20.0	304.29	303.88	303.90	304.10	304.26	304.35	304.38
G 22.5	296.81	296.36	296.39	296.63	296.89	297.09	297.16
G 25.0	286.84	286.88	287.85	288.55	288.13	287.19	286.66
G 27.5	277.83	277.25	277.53	278.05	278.31	278.35	278.32
G 30.0	268.91	268.23	268.48	268.98	269.17	269.12	269.05
G 32.5	259.34	258.01	257.85	258.27	258.73	259.07	259.20
G 35.0	245.90	245.74	246.25	246.85	247.09	247.06	247.00
G 37.5	236.14	235.70	235.91	236.29	236.50	236.55	236.54
G 40.0	222.43	222.06	222.98	223.89	223.81	223.18	222.79
G 42.5	211.82	211.04	211.36	211.94	212.14	212.05	211.96
G 45.0	200.13	199.57	200.12	200.88	201.15	201.07	200.97
G 47.5	188.16	186.99	186.70	186.76	186.75	186.67	186.61
G 50.0	174.97	174.47	174.74	175.19	175.34	175.29	175.22
G 52.5	162.65	162.14	162.55	163.14	163.33	163.24	163.15
G 55.0	149.14	148.62	149.42	150.28	150.23	149.67	149.32
G 57.5	137.11	136.49	137.05	137.83	138.10	138.00	137.89
G 60.0	125.50	124.04	123.93	124.53	125.26	125.85	126.09
G 62.5	112.80	111.62	111.29	111.40	111.60	111.77	111.84
G 65.0	99.72	99.26	99.59	100.04	100.11	99.94	99.81
G 67.5	85.63	85.43	86.60	87.76	87.91	87.44	87.12
G 70.0	73.76	73.08	73.51	74.16	74.39	74.30	74.20
G 72.5	62.97	62.21	62.50	63.00	63.06	62.82	62.67
G 75.0	52.35	50.80	50.45	50.73	51.17	51.54	51.70
G 77.5	38.88	38.39	38.40	38.58	38.66	38.66	38.64
G 80.0	29.41	29.27	29.71	30.09	29.92	29.49	29.25
G 82.5	18.62	18.41	19.23	19.83	19.30	18.26	17.70
G 85.0	11.27	10.78	10.91	11.09	10.88	10.49	10.28
G 87.5	5.55	5.57	5.87	5.96	5.48	4.61	4.25
G 90.0	2.41	2.52	2.71	2.65	2.18	1.53	1.21
G 92.5	0.73	0.85	0.95	0.96	0.90	0.79	0.71
G 95.0	0.69	0.70	0.72	0.73	0.72	0.71	0.71
G 97.5	0.71	0.71	0.71	0.71	0.71	0.71	0.71
G100.0	0.71	0.71	0.72	0.72	0.72	0.72	0.72
G102.5	0.71	0.72	0.73	0.73	0.73	0.72	0.72
G105.0	0.73	0.73	0.74	0.75	0.74	0.74	0.73
G107.5	0.75	0.75	0.74	0.74	0.73	0.73	0.73
G110.0	0.75	0.76	0.76	0.76	0.76	0.76	0.75
G112.5	0.75	0.76	0.77	0.78	0.78	0.78	0.78
G115.0	0.75	0.76	0.77	0.78	0.78	0.78	0.78
G117.5	0.76	0.77	0.78	0.78	0.78	0.78	0.78
G120.0	0.80	0.79	0.79	0.78	0.79	0.79	0.80
G122.5	0.80	0.80	0.81	0.81	0.81	0.80	0.80
G125.0	0.80	0.81	0.82	0.82	0.82	0.82	0.82
G127.5	0.83	0.82	0.82	0.82	0.82	0.82	0.82
G130.0	0.84	0.84	0.84	0.83	0.83	0.83	0.83
G132.5	0.84	0.85	0.86	0.87	0.87	0.87	0.86
G135.0	0.86	0.86	0.87	0.87	0.87	0.86	0.86
G137.5	0.89	0.88	0.87	0.87	0.86	0.86	0.86
G140.0	0.89	0.89	0.89	0.89	0.89	0.89	0.89
G142.5	0.89	0.90	0.91	0.91	0.91	0.90	0.90
G145.0	0.93	0.92	0.92	0.91	0.91	0.90	0.90
G147.5	0.93	0.93	0.92	0.91	0.92	0.92	0.92
G150.0	0.93	0.93	0.94	0.93	0.93	0.92	0.91
G152.5	0.94	0.95	0.95	0.95	0.95	0.94	0.93
G155.0	0.98	0.97	0.96	0.95	0.95	0.95	0.95
G157.5	0.98	0.98	0.99	0.98	0.98	0.97	0.96
G160.0	1.00	1.00	1.00	1.00	0.99	0.98	0.97
G162.5	1.02	1.02	1.01	1.01	1.00	1.00	1.00
G165.0	1.02	1.02	1.02	1.02	1.02	1.02	1.02
G167.5	1.03	1.03	1.04	1.04	1.03	1.02	1.02
G170.0	1.06	1.06	1.06	1.05	1.04	1.03	1.03
G172.5	1.06	1.07	1.07	1.07	1.06	1.06	1.06
G175.0	1.06	1.07	1.07	1.07	1.07	1.06	1.06
G177.5	1.06	1.07	1.07	1.07	1.07	1.07	1.06
G180.0	1.07	1.07	1.07	1.07	1.07	1.07	1.07

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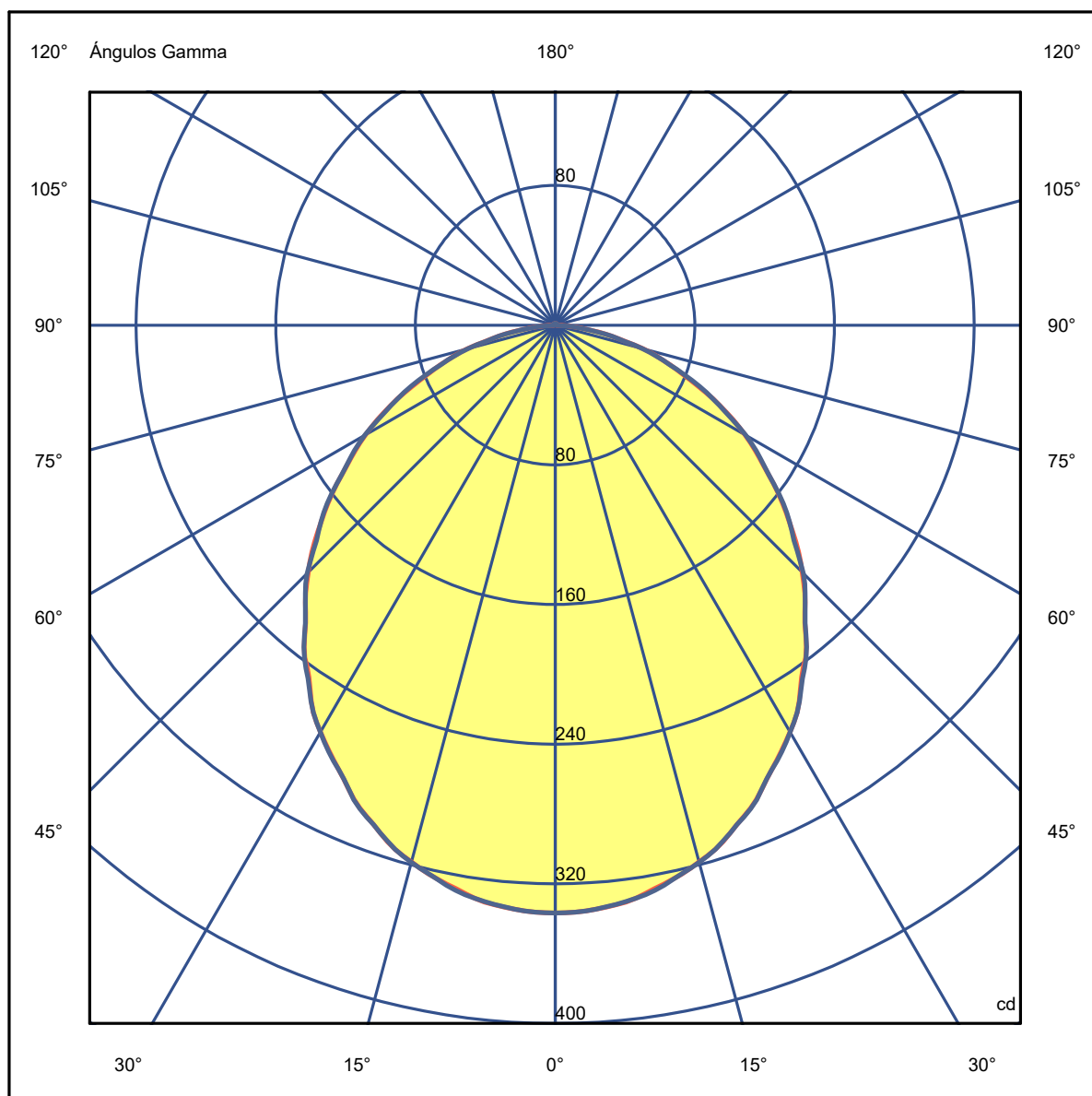
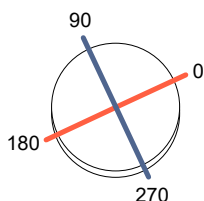
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Diam=300mm

Semiplanos C

180.0 ————— 0.0
270.0 ————— 90.0



Luminaire

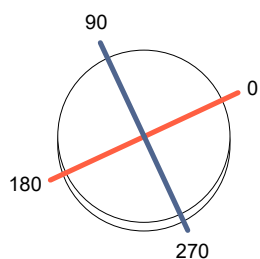
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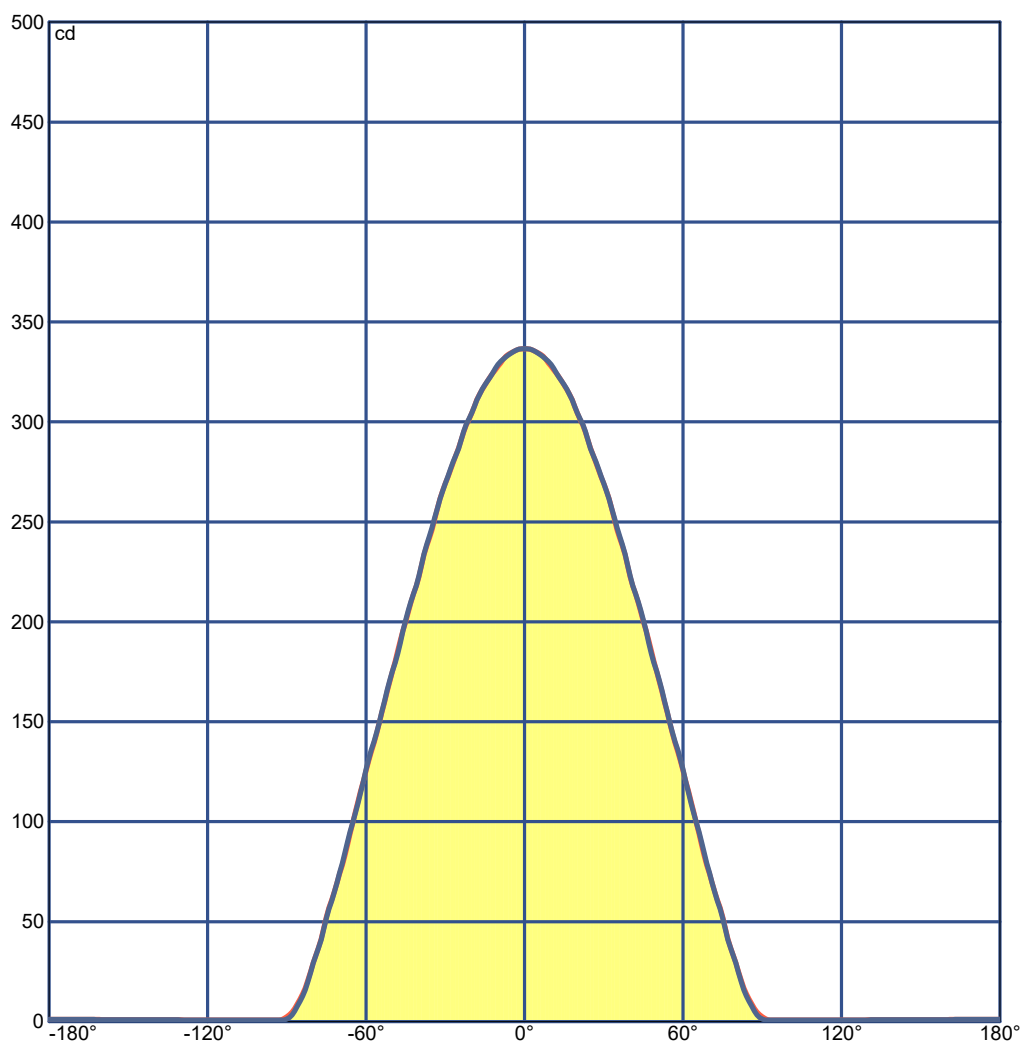
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Sources Flux	1521.00 lm	Maximum value	336.62 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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										
Room Dimensions	Lateral View					Viewed Endwise				
	x=2H y=2H	x=2H y=3H	x=2H y=4H	x=2H y=6H	x=2H y=8H	x=2H y=12H	x=4H y=2H	x=4H y=3H	x=4H y=4H	x=4H y=6H
x=2H y=2H	17.4	18.7	17.7	18.9	19.1	17.4	18.7	17.7	18.9	19.2
x=2H y=3H	18.8	19.9	19.1	20.2	20.5	18.8	20.0	19.2	20.3	20.5
x=2H y=4H	19.4	20.4	19.7	20.7	21.0	19.4	20.5	19.7	20.8	21.1
x=2H y=6H	19.7	20.8	20.1	21.1	21.4	19.8	20.8	20.1	21.1	21.4
x=2H y=8H	19.8	20.8	20.2	21.1	21.4	19.9	20.8	20.2	21.2	21.5
x=2H y=12H	19.9	20.8	20.2	21.1	21.5	19.9	20.8	20.3	21.1	21.5
x=4H y=2H	18.0	19.1	18.4	19.4	19.7	18.0	19.1	18.4	19.4	19.7
x=4H y=3H	19.6	20.5	20.0	20.9	21.2	19.7	20.6	20.0	20.9	21.3
x=4H y=4H	20.3	21.1	20.7	21.5	21.8	20.3	21.2	20.8	21.5	21.9
x=4H y=6H	20.8	21.5	21.2	21.9	22.3	20.8	21.5	21.3	21.9	22.3
x=4H y=8H	20.9	21.6	21.4	22.0	22.4	20.9	21.6	21.4	22.0	22.4
x=4H y=12H	21.0	21.6	21.5	22.0	22.4	21.0	21.6	21.5	22.1	22.5
x=8H y=4H	20.5	21.2	21.0	21.6	22.0	20.6	21.2	21.0	21.7	22.1
x=8H y=6H	21.2	21.7	21.6	22.1	22.6	21.2	21.7	21.7	22.2	22.7
x=8H y=8H	21.4	21.8	21.9	22.3	22.8	21.4	21.9	21.9	22.4	22.8
x=8H y=12H	21.5	21.9	22.0	22.4	22.9	21.5	21.9	22.0	22.4	22.9
x=12H y=4H	20.9	21.5	21.4	21.9	22.4	20.9	21.5	21.4	22.0	22.4
x=12H y=6H	21.5	22.0	22.0	22.4	22.9	21.5	22.0	22.0	22.5	23.0
x=12H y=8H	21.7	22.1	22.2	22.6	23.1	21.7	22.2	22.2	22.6	23.1

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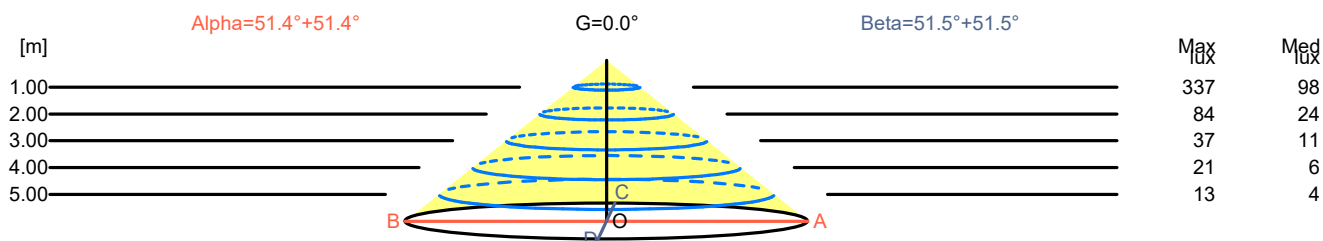
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Width at 50.00 % of Max Intensity

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	1.25	2.50	3.75	5.00	6.25	OC	1.26	2.51	3.77	5.03	6.28
OB	1.25	2.50	3.75	5.00	6.25	OD	1.26	2.51	3.77	5.03	6.28

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	336.62	334.56	318.27	286.84	245.90	200.13	149.14	99.72	52.35	11.27
OB	336.62	334.56	318.27	286.84	245.90	200.13	149.14	99.72	52.35	11.27
OC	336.62	334.42	318.51	286.66	247.00	200.97	149.32	99.81	51.70	10.28
OD	336.62	334.42	318.51	286.66	247.00	200.97	149.32	99.81	51.70	10.28



H[m]	D[m]	Max lux	Med lux	Alpha=51.4°+51.4°	G=0.0
1.00	2.50	337	98		
2.00	5.00	84	24		
3.00	7.50	37	11		
4.00	10.01	21	6		
5.00	12.51	13	4		

H[m]	D[m]	Max lux	Med lux	Beta=51.5°+51.5°	G=0.0
1.00	2.51	337	98		
2.00	5.03	84	24		
3.00	7.54	37	11		
4.00	10.05	21	6		
5.00	12.56	13	4		

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Flujo Total=1521.00 Flujo Luminaria=867.95

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	0.33	0.41	0.48	0.56	0.61	0.70	0.75	0.79	0.84	0.87	0.93	0.97
RC	5	5	5	5	4	4	4	4	4	4	4	4

Flujo Zonal por 1000 Lúmenes

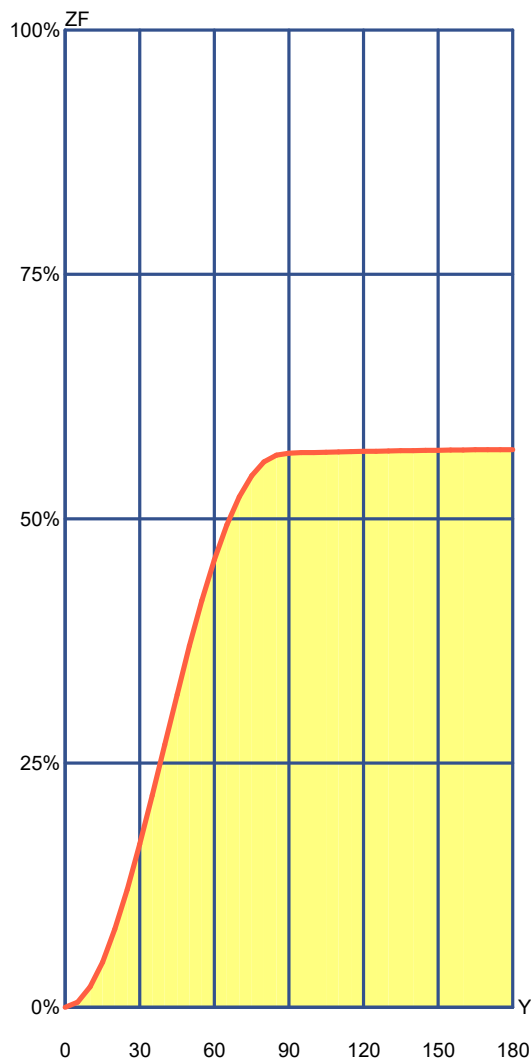
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	21	80	167	268	370	458	523	558	567	568	568	569	569	570	570	570	571	571

Códigos de Flujo C.I.E.

50 81 96 99 57

C.I.E. 5/5/5/5/4/4/4/4/4/4/4
D DIN 5040 A31
F UTE 0.57 E
B NBN BZ 4
RN 0.61944 %
BLF 1.0

LOR 57.06417 %
ULOR 0.35348 %
DLOR 56.71069 %
UFF 0.61944 %
DFF 99.38056 %
FFR 0.62330 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.27	5.27	0.92 %	0.92 %
10°	15.59	20.86	2.73 %	3.66 %
15°	25.20	46.06	4.42 %	8.07 %
20°	33.75	79.81	5.91 %	13.99 %
25°	40.83	120.64	7.16 %	21.14 %
30°	46.24	166.88	8.10 %	29.24 %
35°	49.94	216.82	8.75 %	38.00 %
40°	51.63	268.45	9.05 %	47.04 %
45°	51.53	319.98	9.03 %	56.07 %
50°	49.74	369.72	8.72 %	64.79 %
55°	46.46	416.18	8.14 %	72.93 %
60°	41.73	457.90	7.31 %	80.24 %
65°	35.78	493.68	6.27 %	86.51 %
70°	28.91	522.59	5.07 %	91.58 %
75°	21.51	544.10	3.77 %	95.35 %
80°	13.88	557.98	2.43 %	97.78 %
85°	6.98	564.96	1.22 %	99.00 %
90°	2.15	567.11	0.38 %	99.38 %
95°	0.42	567.53	0.07 %	99.45 %
100°	0.25	567.78	0.04 %	99.50 %
105°	0.26	568.04	0.04 %	99.54 %
110°	0.26	568.29	0.04 %	99.59 %
115°	0.26	568.55	0.04 %	99.63 %
120°	0.25	568.80	0.04 %	99.68 %
125°	0.24	569.04	0.04 %	99.72 %
130°	0.24	569.28	0.04 %	99.76 %
135°	0.23	569.50	0.04 %	99.80 %
140°	0.21	569.72	0.04 %	99.84 %
145°	0.20	569.92	0.03 %	99.87 %
150°	0.18	570.09	0.03 %	99.90 %
155°	0.16	570.25	0.03 %	99.93 %
160°	0.13	570.39	0.02 %	99.96 %
165°	0.11	570.49	0.02 %	99.97 %
170°	0.08	570.58	0.01 %	99.99 %
175°	0.05	570.62	0.01 %	100.00 %
180°	0.02	570.64	0.00 %	100.00 %

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Isolux (Floor)

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

