Luminaire
Code 24902xxx189
Name PLAFONET 95 LED WHITE RIBBON
Measurem.
Code CL092A22F019G
Name PLAFONET 95 LED WHITE RIBBON

Luminaire Flux	6827.46 lm	Luminaire Power	52.65 W	Efficacy	129.68 lm/W	Efficiency	100.00%
Sources Flux	6827.46 lm	Maximum value	317.55 cd/klm	Position	C=0.00 G=0.00	CG	Double Symmetrical

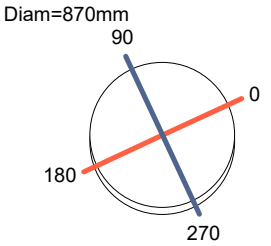
Round Luminaire	Diam. 870 mm	Height	205 mm
Round Luminous Area	Diam. 870 mm	Height	205 mm
Horizontal Luminous Area	0.594468 m2	Emitting area on Plane 180°	0.178350 m2
Emitting area on Plane 0°	0.178350 m2	Emitting area on Plane 270°	0.178350 m2
Emitting area on Plane 90°	0.178350 m2	Glare area at 76°	0.316867 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	22-09-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	6827.47 lm
Operator	ASSELUM	Rated Voltage	37.57 V
Temperature	25.00 °C	Rated Current	1.40 A
Humidity	46.30 %	Photocell	Czibula Grundmann
Notes	RM22071402.2		

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	2835 LM281B+PRO (VK)	SAMSUNG	6827.46	52.65	1

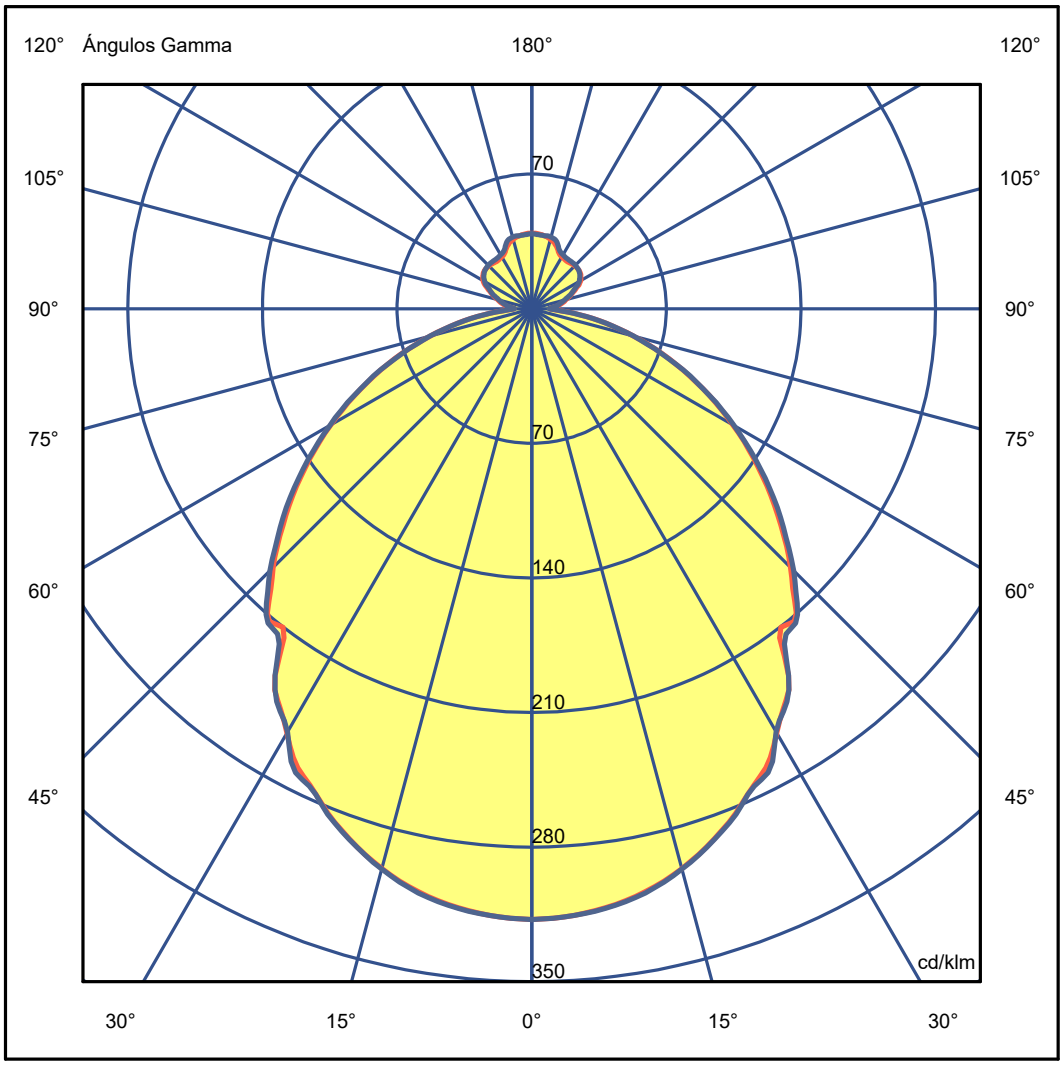
C.I.E.	48 79 95 84 100	D DIN 5040	B31
F UTE	0.84 E + 0.16 T	B NBN	BZ 4 / 3 / BZ 5





Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 15.96 %
DLOR 84.04 %
RN 15.96 %



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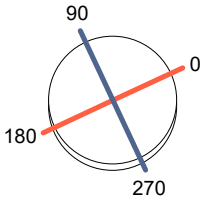
Luminous Intensity Table cd/klm **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	317.55	317.55	317.55	317.55	317.55	317.55	317.55
G 2.5	316.90	316.98	317.04	317.07	317.04	316.99	316.97
G 5.0	315.49	315.58	315.65	315.69	315.68	315.65	315.63
G 7.5	313.35	313.42	313.48	313.53	313.61	313.67	313.70
G 10.0	310.33	310.40	310.45	310.53	310.67	310.81	310.88
G 12.5	306.34	306.40	306.41	306.47	306.62	306.78	306.86
G 15.0	301.34	301.43	301.45	301.46	301.53	301.61	301.65
G 17.5	295.52	295.58	295.55	295.51	295.56	295.65	295.69
G 20.0	288.83	288.93	288.89	288.87	288.96	289.08	289.15
G 22.5	281.33	281.50	281.56	281.58	281.65	281.74	281.78
G 25.0	273.21	274.44	275.51	275.90	275.28	274.29	273.77
G 27.5	266.28	265.47	264.28	264.06	265.69	267.94	269.08
G 30.0	254.72	254.60	254.22	253.89	253.83	253.94	254.01
G 32.5	244.42	244.29	243.97	243.89	244.36	245.01	245.34
G 35.0	232.86	233.61	234.15	234.23	233.73	233.03	232.69
G 37.5	211.36	213.17	213.77	214.07	214.73	215.50	215.87
G 40.0	212.28	212.67	212.88	213.03	213.23	213.40	213.48
G 42.5	201.42	201.65	201.98	202.44	203.01	203.53	203.75
G 45.0	190.31	190.31	190.31	190.60	191.33	192.12	192.50
G 47.5	178.67	178.91	179.15	179.44	179.79	180.11	180.24
G 50.0	166.85	167.14	167.50	167.93	168.40	168.78	168.93
G 52.5	155.53	155.78	155.98	156.23	156.60	156.95	157.11
G 55.0	143.67	143.91	144.14	144.41	144.72	144.99	145.11
G 57.5	132.35	132.62	132.77	132.87	132.97	133.07	133.11
G 60.0	120.71	120.83	120.88	120.96	121.14	121.32	121.41
G 62.5	109.28	109.40	109.41	109.46	109.62	109.81	109.91
G 65.0	98.01	98.17	98.27	98.32	98.31	98.28	98.27
G 67.5	86.78	86.84	86.81	86.84	87.00	87.20	87.30
G 70.0	75.96	76.13	76.22	76.17	75.94	75.67	75.54
G 72.5	65.18	65.44	65.58	65.55	65.34	65.08	64.95
G 75.0	54.99	55.23	55.35	55.31	55.12	54.90	54.79
G 77.5	45.03	45.23	45.36	45.37	45.26	45.10	45.03
G 80.0	35.63	35.92	36.09	36.10	35.91	35.66	35.54
G 82.5	26.95	27.15	27.25	27.24	27.10	26.92	26.84
G 85.0	18.88	19.09	19.20	19.17	19.01	18.83	18.74
G 87.5	11.95	12.53	13.05	13.21	12.84	12.28	11.99
G 90.0	9.30	9.63	9.97	10.07	9.78	9.34	9.12
G 92.5	9.81	10.03	10.21	10.20	10.00	9.70	9.54
G 95.0	11.86	11.70	11.57	11.46	11.37	11.30	11.28
G 97.5	14.13	13.88	13.59	13.38	13.31	13.34	13.37
G100.0	15.51	15.32	15.11	14.90	14.71	14.59	14.54
G102.5	17.10	16.80	16.46	16.19	16.11	16.14	16.18
G105.0	18.26	18.16	18.01	17.85	17.69	17.57	17.52
G107.5	20.05	19.83	19.56	19.34	19.23	19.20	19.20
G110.0	21.81	21.60	21.38	21.21	21.16	21.18	21.20
G112.5	23.58	23.47	23.30	23.15	23.05	23.00	22.98
G115.0	25.58	25.65	25.67	25.51	25.13	24.72	24.53
G117.5	27.77	27.82	27.82	27.66	27.29	26.90	26.72
G120.0	29.30	29.46	29.58	29.48	29.07	28.59	28.35
G122.5	30.22	30.45	30.65	30.62	30.23	29.75	29.51
G125.0	30.98	31.32	31.58	31.59	31.21	30.71	30.45
G127.5	31.49	31.91	32.25	32.32	31.96	31.45	31.19
G130.0	31.71	32.17	32.63	32.79	32.44	31.90	31.63
G132.5	31.69	32.21	32.77	33.00	32.71	32.20	31.93
G135.0	31.62	32.14	32.71	32.99	32.75	32.29	32.04
G137.5	31.35	31.89	32.49	32.82	32.67	32.30	32.09
G140.0	31.05	31.58	32.19	32.55	32.43	32.15	31.99
G142.5	30.79	31.29	31.89	32.27	32.20	31.99	31.84
G145.0	30.75	31.21	31.77	32.16	32.18	32.00	31.88
G147.5	30.96	31.26	31.70	32.06	32.14	32.12	32.10
G150.0	31.28	31.40	31.66	31.95	32.22	32.41	32.49
G152.5	31.61	31.60	31.73	32.00	32.38	32.72	32.87
G155.0	32.80	32.60	32.59	32.81	33.23	33.65	33.85
G157.5	34.32	34.15	34.27	34.60	35.06	35.48	35.66
G160.0	35.71	35.58	35.74	36.14	36.72	37.26	37.49
G162.5	36.69	36.67	36.86	37.22	37.69	38.10	38.28
G165.0	37.38	37.33	37.45	37.73	38.13	38.50	38.66
G167.5	38.17	38.02	37.99	38.11	38.39	38.69	38.83
G170.0	38.53	38.46	38.43	38.44	38.50	38.57	38.60
G172.5	38.87	38.74	38.65	38.59	38.60	38.62	38.63
G175.0	39.16	39.00	38.86	38.76	38.74	38.76	38.77
G177.5	39.38	39.22	39.07	38.95	38.90	38.89	38.89
G180.0	39.12	39.12	39.12	39.12	39.12	39.12	39.12

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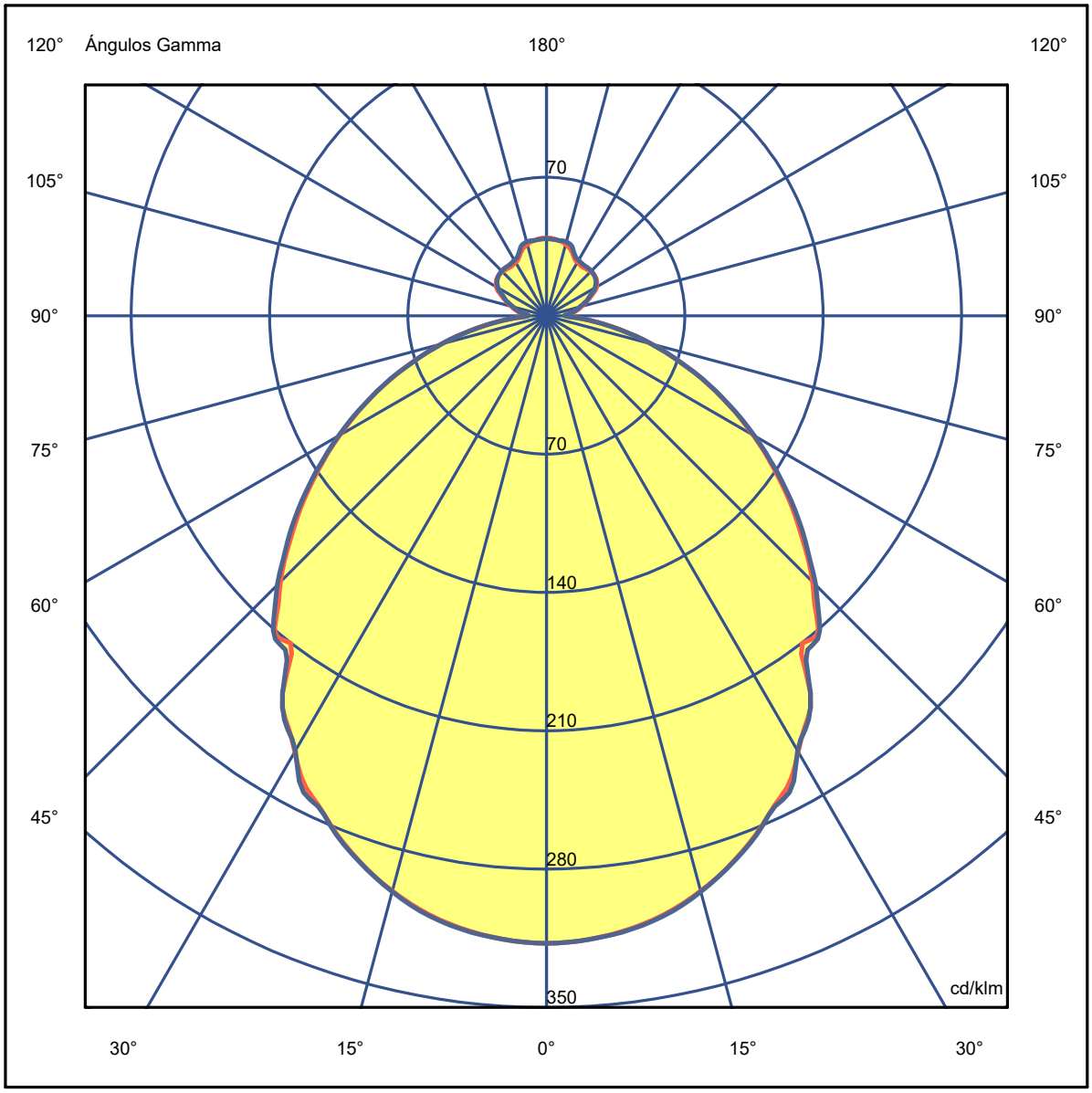
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Diam=870mm



Semiplanos C

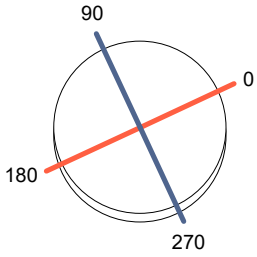
180.0 0.0
270.0 90.0



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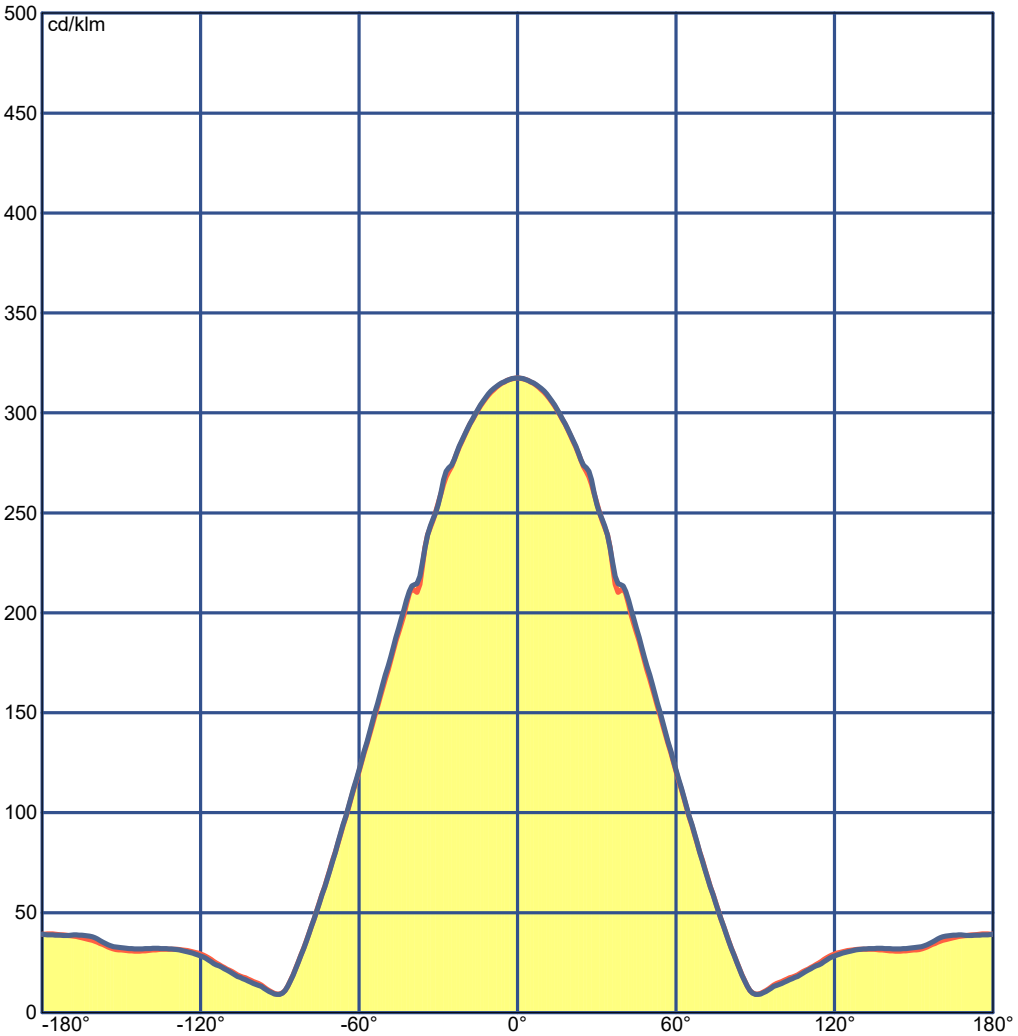
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UGR
S = 0.250

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	14.0	15.1	14.5	15.6	16.1	14.0	15.1	14.5	15.6	16.1
x=2H y=3H	15.2	16.2	15.8	16.7	17.3	15.2	16.2	15.8	16.8	17.3
x=2H y=4H	15.7	16.6	16.3	17.2	17.8	15.7	16.6	16.3	17.2	17.8
x=2H y=6H	16.0	16.9	16.6	17.4	18.1	16.0	16.9	16.6	17.4	18.1
x=2H y=8H	16.1	16.9	16.7	17.5	18.1	16.1	16.9	16.7	17.5	18.1
x=2H y=12H	16.1	16.9	16.7	17.5	18.2	16.1	16.9	16.7	17.5	18.2
x=4H y=2H	14.5	15.4	15.1	16.0	16.6	14.5	15.5	15.1	16.0	16.6
x=4H y=3H	15.9	16.7	16.5	17.3	17.9	15.9	16.7	16.5	17.3	18.0
x=4H y=4H	16.5	17.2	17.1	17.8	18.5	16.5	17.2	17.1	17.8	18.5
x=4H y=6H	16.9	17.5	17.6	18.2	18.9	16.9	17.5	17.6	18.2	18.9
x=4H y=8H	17.0	17.6	17.7	18.3	19.0	17.0	17.6	17.7	18.3	19.0
x=4H y=12H	17.1	17.6	17.8	18.3	19.1	17.1	17.6	17.8	18.3	19.1
x=8H y=4H	16.7	17.2	17.3	17.9	18.6	16.7	17.2	17.4	17.9	18.6
x=8H y=6H	17.2	17.7	17.9	18.4	19.1	17.2	17.7	17.9	18.4	19.1
x=8H y=8H	17.4	17.8	18.1	18.5	19.3	17.4	17.8	18.1	18.5	19.3
x=8H y=12H	17.6	17.9	18.3	18.6	19.4	17.6	17.9	18.3	18.6	19.4
x=12H y=4H	17.0	17.5	17.7	18.2	18.9	17.0	17.5	17.7	18.2	18.9
x=12H y=6H	17.5	17.9	18.2	18.6	19.4	17.5	17.9	18.2	18.6	19.4
x=12H y=8H	17.7	18.1	18.4	18.8	19.6	17.7	18.1	18.4	18.8	19.6

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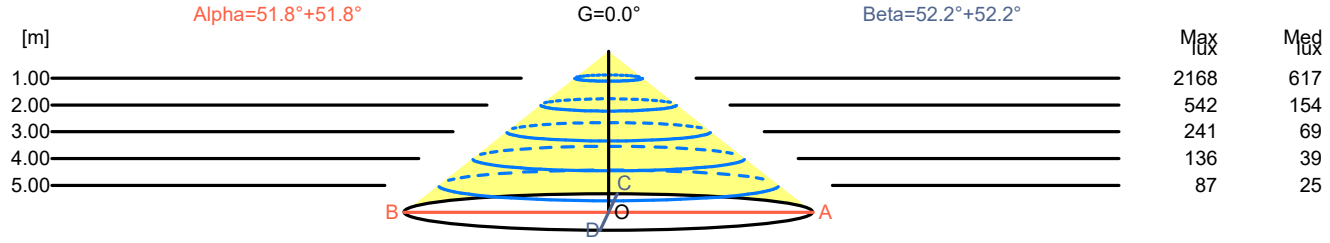
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Width at 50.00 % of Max Intensity

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	1.27	2.54	3.81	5.08	6.35	OC	1.29	2.57	3.86	5.15	6.44
OB	1.27	2.54	3.81	5.08	6.35	OD	1.29	2.57	3.86	5.15	6.44

Luminous Intensities [cd/klm]

	0	5	15	25	35	45	55	65	75	85
OA	2168.04	2153.98	2057.38	1865.36	1589.84	1299.34	980.90	669.13	375.43	128.91
OB	2168.04	2153.98	2057.38	1865.36	1589.84	1299.34	980.90	669.13	375.43	128.91
OC	2168.04	2154.98	2059.53	1869.16	1588.66	1314.27	990.74	670.93	374.09	127.93
OD	2168.04	2154.98	2059.53	1869.16	1588.66	1314.27	990.74	670.93	374.09	127.93



H[m]	D[m]	Max lux	Med lux	Alpha=51.8°+51.8° G=0.0
1.00	2.54	2168	617	
2.00	5.08	542	154	
3.00	7.62	241	69	
4.00	10.16	136	39	
5.00	12.70	87	25	

H[m]	D[m]	Max lux	Med lux	Beta=52.2°+52.2° G=0.0
1.00	2.57	2168	617	
2.00	5.15	542	154	
3.00	7.72	241	69	
4.00	10.30	136	39	
5.00	12.87	87	25	

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Flujo Total=6827.46 Flujo Luminaria=6827.46

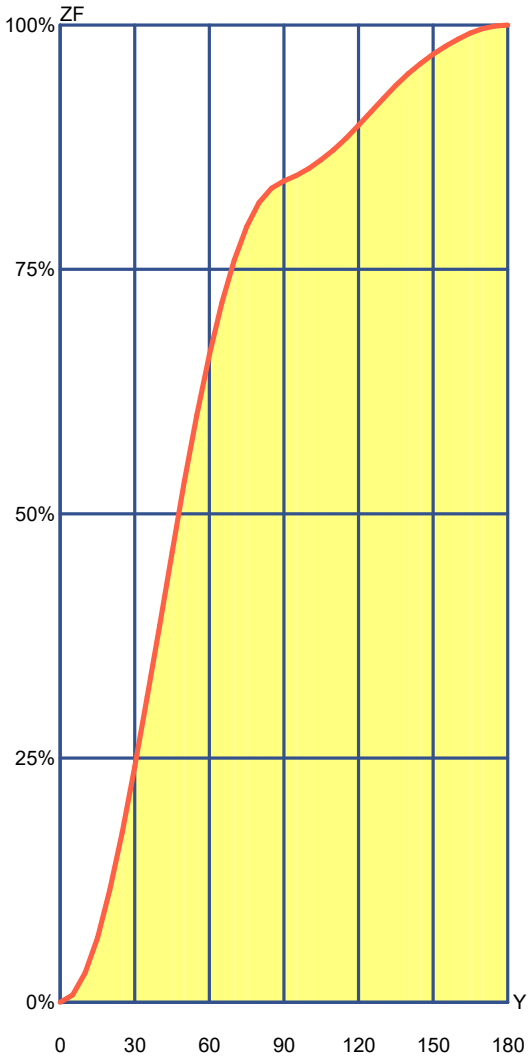
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.32	0.40	0.47	0.54	0.60	0.68	0.74	0.78	0.83	0.86	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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	115	241	386	533	662	760	818	840	853	872	897	925	950	970	986	996	1000

Códigos de Flujo C.I.E.
48 79 95 84 100

C.I.E.	5	LOR	100.00000 %
D DIN 5040	B31	ULOR	15.96005 %
F UTE	0.84 E + 0.16 T	DLOR	84.03995 %
B NBN	BZ 4 / 3 / BZ 5	UFF	15.96005 %
RN	15.96005 %	DFF	84.03995 %
BLF	1.0	FFR	18.99102 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.57	7.57	0.76 %	0.76 %
10°	22.40	29.97	2.24 %	3.00 %
15°	36.31	66.28	3.63 %	6.63 %
20°	48.65	114.94	4.87 %	11.49 %
25°	59.06	174.00	5.91 %	17.40 %
30°	67.06	241.06	6.71 %	24.11 %
35°	71.85	312.91	7.18 %	31.29 %
40°	72.94	385.84	7.29 %	38.58 %
45°	74.86	460.70	7.49 %	46.07 %
50°	72.49	533.18	7.25 %	53.32 %
55°	67.90	601.09	6.79 %	60.11 %
60°	61.35	662.43	6.13 %	66.24 %
65°	53.25	715.69	5.33 %	71.57 %
70°	44.05	759.74	4.40 %	75.97 %
75°	34.20	793.93	3.42 %	79.39 %
80°	24.26	818.20	2.43 %	81.82 %
85°	14.81	833.01	1.48 %	83.30 %
90°	7.39	840.40	0.74 %	84.04 %
95°	5.63	846.03	0.56 %	84.60 %
100°	7.27	853.30	0.73 %	85.33 %
105°	8.77	862.07	0.88 %	86.21 %
110°	10.21	872.28	1.02 %	87.23 %
115°	11.77	884.05	1.18 %	88.41 %
120°	13.29	897.34	1.33 %	89.73 %
125°	13.97	911.31	1.40 %	91.13 %
130°	13.83	925.13	1.38 %	92.51 %
135°	13.10	938.23	1.31 %	93.82 %
140°	11.96	950.18	1.20 %	95.02 %
145°	10.64	960.82	1.06 %	96.08 %
150°	9.37	970.19	0.94 %	97.02 %
155°	8.17	978.36	0.82 %	97.84 %
160°	7.27	985.64	0.73 %	98.56 %
165°	6.13	991.77	0.61 %	99.18 %
170°	4.53	996.30	0.45 %	99.63 %
175°	2.77	999.07	0.28 %	99.91 %
180°	0.93	1000.00	0.09 %	100.00 %

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Isolux (Floor)

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

