Luminaire
Code 24903xxx189
Name PLAFONET 60 LED WHITE RIBBON
Measurem.
Code CL092A22F020G
Name PLAFONET 60 LED WHITE RIBBON

Luminaire Flux	4429.82 lm	Luminaire Power	35.16 W	Efficacy	126.00 lm/W	Efficiency	100.00%
Sources Flux	4429.82 lm	Maximum value	1464.23 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Round Luminaire	Diam. 620 mm	Height	150 mm
Round Luminous Area	Diam. 620 mm	Height	150 mm
Horizontal Luminous Area	0.301907 m2	Emitting area on Plane 180°	0.093000 m2
Emitting area on Plane 0°	0.093000 m2	Emitting area on Plane 270°	0.093000 m2
Emitting area on Plane 90°	0.093000 m2	Glare area at 76°	0.163275 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	22-09-2022	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	4429.82 lm
Operator	ASSELUM	Rated Voltage	27.03 V
Temperature	24.90 °C	Rated Current	1.30 A
Humidity	49.40 %	Photocell	Czibula Grundmann
Notes	RM22071402.3		

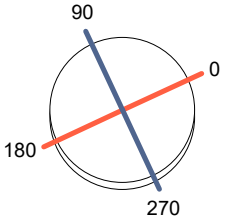
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	2835 LM281B+PRO (VK)	SAMSUNG	4429.82	35.16	1

C.I.E.	49 79 95 88 100	D DIN 5040	B31
F UTE	0.88 E + 0.12 T	B NBN	BZ 4



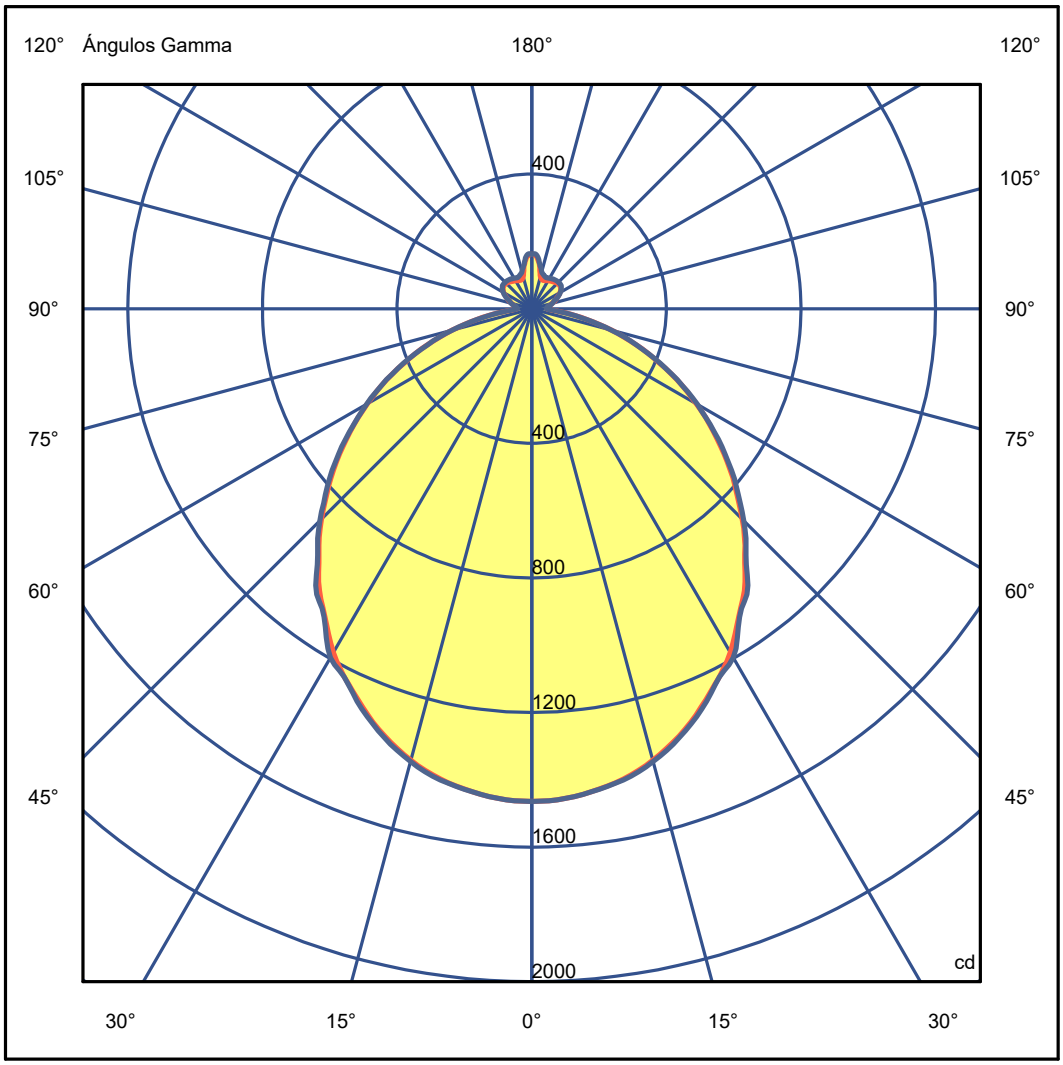
Diam=620mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 12.26 %
DLOR 87.74 %
RN 12.26 %



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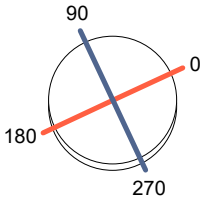
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1464.23	1464.23	1464.23	1464.23	1464.23	1464.23	1464.23
G 2.5	1461.74	1461.81	1461.88	1461.91	1461.89	1461.86	1461.85
G 5.0	1454.89	1455.02	1455.17	1455.21	1455.08	1454.88	1454.78
G 7.5	1443.86	1444.16	1444.49	1444.67	1444.59	1444.39	1444.28
G 10.0	1430.06	1430.24	1430.60	1431.02	1431.38	1431.62	1431.71
G 12.5	1412.21	1412.45	1412.71	1413.30	1414.33	1415.39	1415.87
G 15.0	1388.84	1389.22	1389.81	1390.60	1391.55	1392.38	1392.73
G 17.5	1361.18	1361.88	1362.56	1363.40	1364.49	1365.49	1365.92
G 20.0	1329.79	1330.18	1330.72	1331.51	1332.57	1333.54	1333.96
G 22.5	1294.07	1295.19	1296.35	1297.48	1298.46	1299.16	1299.43
G 25.0	1256.24	1256.67	1257.10	1257.68	1258.48	1259.22	1259.55
G 27.5	1219.93	1220.83	1222.16	1223.01	1222.81	1222.08	1221.65
G 30.0	1178.99	1178.85	1179.65	1182.71	1188.60	1194.67	1197.45
G 32.5	1129.38	1131.71	1134.34	1136.68	1138.26	1139.10	1139.34
G 35.0	1082.37	1085.50	1088.86	1090.68	1089.87	1087.85	1086.72
G 37.5	1039.51	1038.13	1037.47	1039.38	1044.79	1050.82	1053.68
G 40.0	984.77	988.36	991.57	993.46	993.47	992.52	991.92
G 42.5	936.59	937.23	937.92	938.93	940.37	941.72	942.32
G 45.0	884.29	885.47	886.67	887.94	889.24	890.28	890.71
G 47.5	829.84	832.25	834.20	835.43	835.79	835.66	835.51
G 50.0	779.23	779.38	779.58	780.47	782.39	784.43	785.38
G 52.5	725.22	726.95	728.10	728.92	729.55	729.99	730.15
G 55.0	671.73	672.71	673.10	673.61	674.72	675.94	676.51
G 57.5	619.26	619.99	620.04	619.88	619.87	619.98	620.05
G 60.0	564.57	565.46	565.62	565.73	566.30	567.01	567.36
G 62.5	510.93	511.28	511.06	511.05	511.77	512.74	513.23
G 65.0	458.08	458.32	457.70	457.13	457.30	457.84	458.16
G 67.5	401.77	402.43	402.55	402.63	403.00	403.47	403.70
G 70.0	350.05	350.38	349.98	349.47	349.30	349.36	349.44
G 72.5	296.29	296.70	296.66	296.60	296.84	297.20	297.38
G 75.0	245.93	246.52	246.54	246.20	245.71	245.27	245.09
G 77.5	196.21	196.56	196.33	195.90	195.59	195.43	195.38
G 80.0	149.45	150.77	151.80	152.11	151.49	150.53	150.04
G 82.5	109.46	111.00	112.10	112.08	110.62	108.74	107.81
G 85.0	75.42	77.54	79.38	79.87	78.38	76.20	75.08
G 87.5	52.55	55.74	58.89	59.91	57.58	54.01	52.17
G 90.0	45.03	46.52	47.98	48.32	46.93	44.94	43.92
G 92.5	45.66	45.62	45.43	45.09	44.58	44.08	43.73
G 95.0	47.26	47.17	46.86	46.39	45.93	45.53	45.23
G 97.5	49.34	49.41	49.29	48.93	48.34	47.77	47.52
G100.0	52.40	53.13	53.77	53.83	53.20	52.03	51.47
G102.5	56.55	57.25	58.12	58.70	58.83	58.43	58.18
G105.0	61.91	62.42	63.19	63.72	63.86	63.43	63.16
G107.5	68.45	67.89	67.53	67.34	67.52	67.47	67.45
G110.0	73.32	73.30	73.31	73.12	72.79	72.12	71.81
G112.5	78.55	78.90	79.51	79.89	79.88	79.32	79.02
G115.0	84.84	85.05	85.52	85.95	86.10	86.06	86.00
G117.5	91.14	91.21	91.56	91.95	92.22	92.34	92.37
G120.0	96.93	97.15	97.65	98.09	98.36	98.17	98.05
G122.5	101.08	101.76	102.63	103.25	103.34	103.12	102.96
G125.0	104.66	105.47	106.41	107.13	107.35	107.26	107.16
G127.5	106.96	107.98	109.15	110.07	110.45	110.46	110.39
G130.0	108.21	109.34	110.74	111.92	112.12	111.85	111.65
G132.5	108.17	109.77	111.51	112.69	112.84	112.43	112.14
G135.0	107.59	109.32	111.25	112.60	112.81	112.38	112.06
G137.5	106.15	108.26	110.56	112.13	112.39	112.01	111.46
G140.0	103.98	106.54	109.29	111.22	111.67	111.40	110.85
G142.5	101.98	104.78	107.77	109.93	110.55	110.41	109.90
G145.0	100.37	103.16	106.08	108.19	108.89	108.84	108.36
G147.5	98.63	101.38	104.23	106.33	107.10	107.03	106.84
G150.0	96.61	99.35	102.13	104.24	105.21	105.39	105.32
G152.5	94.70	97.50	100.25	102.23	103.30	103.60	103.60
G155.0	92.95	95.95	98.97	101.13	102.18	102.36	102.29
G157.5	92.00	95.22	98.50	101.12	102.58	103.13	103.22
G160.0	91.34	94.96	98.68	101.91	104.19	105.49	105.90
G162.5	93.49	97.43	101.92	105.67	107.74	108.48	108.57
G165.0	98.70	103.53	109.06	113.24	114.66	114.32	113.84
G167.5	112.02	115.68	118.99	121.53	123.01	123.66	123.80
G170.0	131.43	131.40	130.66	130.51	131.81	133.60	134.51
G172.5	144.35	143.23	142.45	143.07	145.64	148.66	150.12
G175.0	156.38	155.77	155.36	155.90	157.76	159.90	160.93
G177.5	160.83	160.41	160.06	160.11	161.52	163.21	164.02
G180.0	162.29	162.29	162.29	162.29	162.29	162.29	162.29

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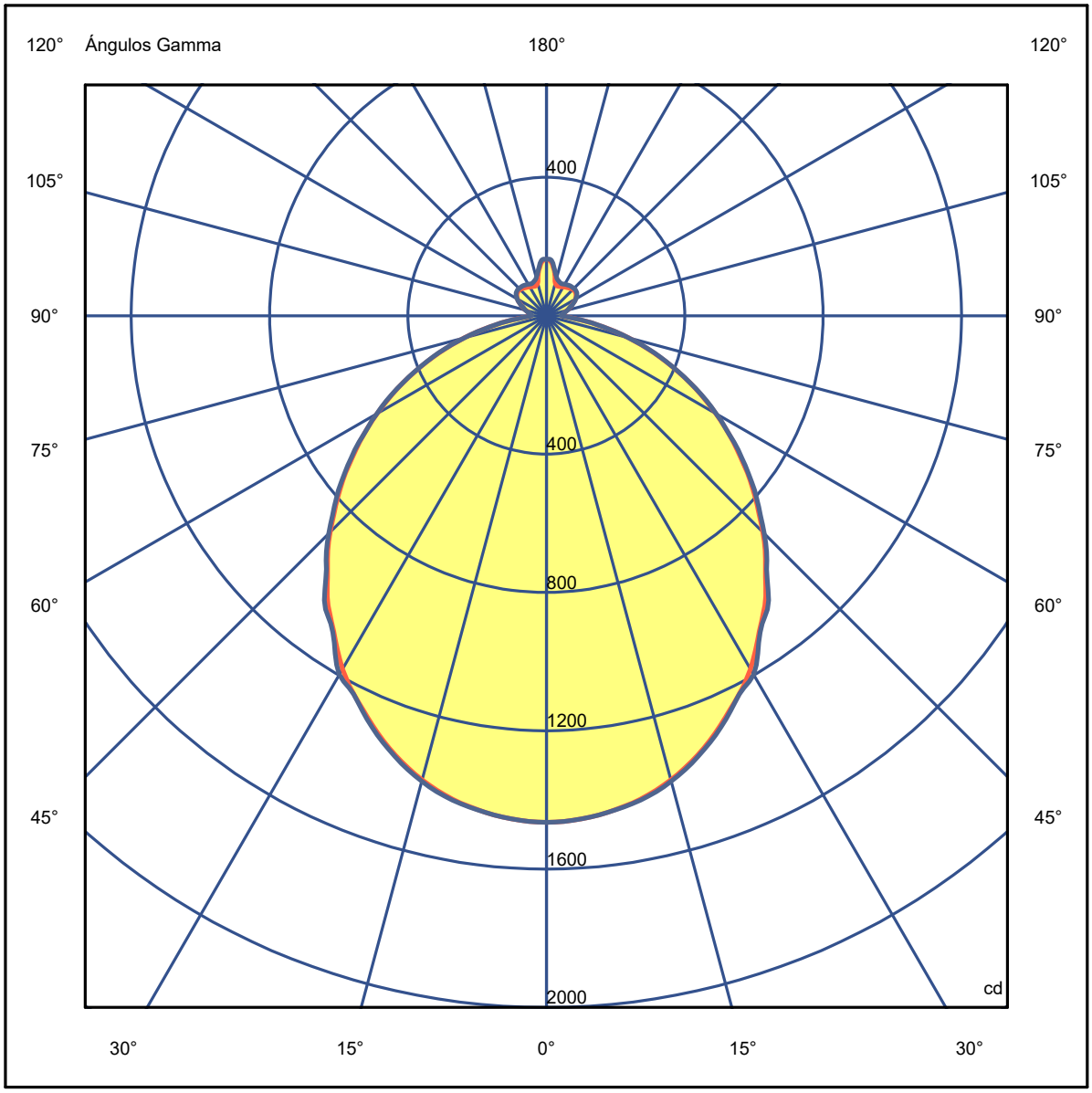
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Sources Flux	4429.82 lm	Maximum value	1464.23 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=620mm



Semiplanos C

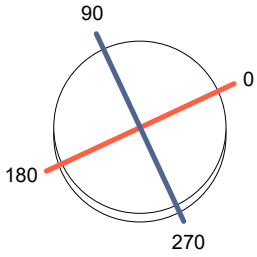
180.0 0.0
270.0 90.0



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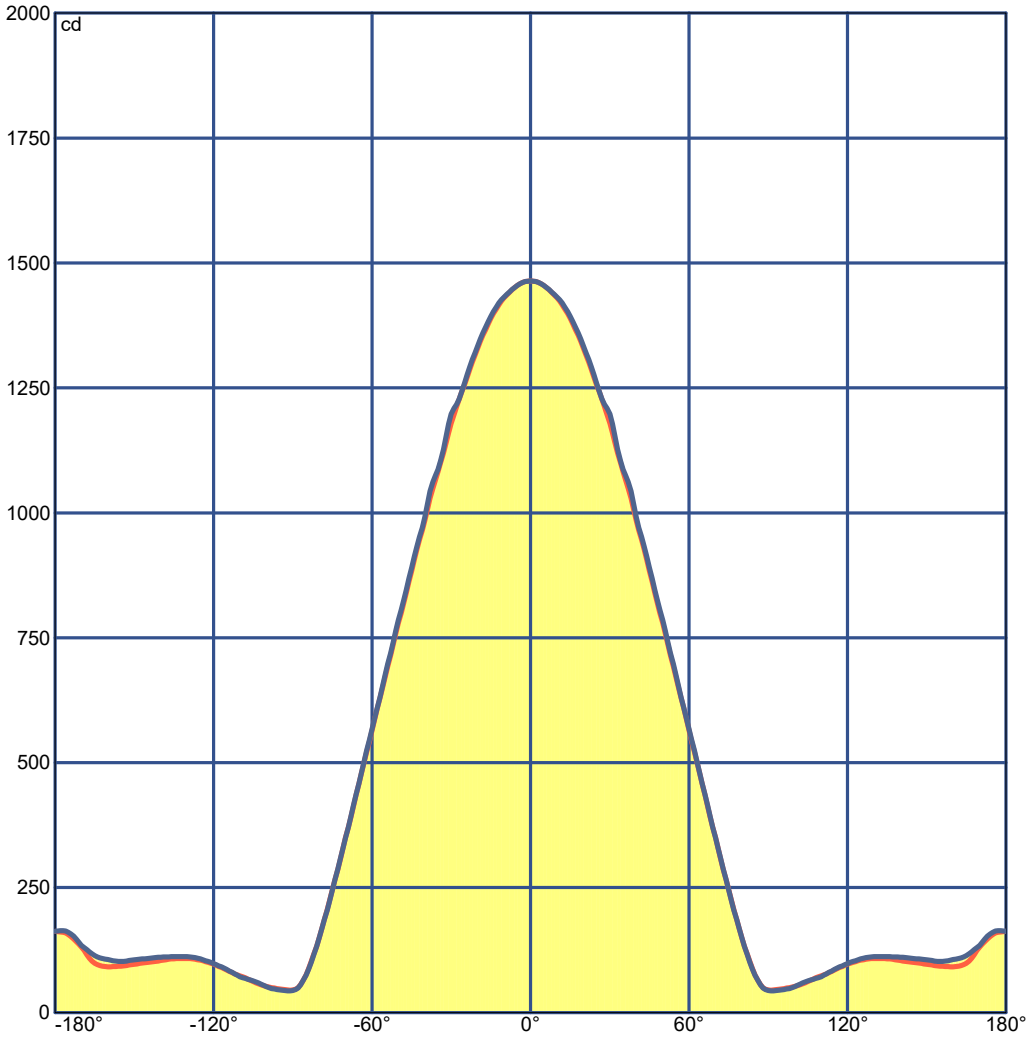
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UGR
S = 0.250

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	15.2	16.4	15.7	16.8	17.3	15.3	16.4	15.7	16.9	17.3
x=2H y=3H	16.5	17.5	17.0	18.0	18.5	16.5	17.5	17.0	18.0	18.5
x=2H y=4H	16.9	17.9	17.4	18.4	18.9	16.9	17.9	17.4	18.4	18.9
x=2H y=6H	17.2	18.1	17.7	18.6	19.1	17.2	18.1	17.7	18.6	19.1
x=2H y=8H	17.2	18.1	17.8	18.6	19.2	17.2	18.1	17.8	18.6	19.2
x=2H y=12H	17.3	18.1	17.8	18.6	19.2	17.3	18.1	17.8	18.6	19.2
x=4H y=2H	15.8	16.7	16.3	17.2	17.7	15.8	16.7	16.3	17.2	17.8
x=4H y=3H	17.2	18.0	17.7	18.5	19.1	17.2	18.0	17.7	18.5	19.1
x=4H y=4H	17.7	18.4	18.3	19.0	19.6	17.7	18.4	18.3	19.0	19.6
x=4H y=6H	18.1	18.7	18.7	19.3	19.9	18.1	18.7	18.7	19.3	19.9
x=4H y=8H	18.2	18.7	18.8	19.3	20.0	18.2	18.7	18.8	19.3	20.0
x=4H y=12H	18.2	18.7	18.8	19.4	20.0	18.2	18.7	18.8	19.3	20.0
x=8H y=4H	17.9	18.5	18.5	19.1	19.7	17.9	18.5	18.5	19.1	19.7
x=8H y=6H	18.3	18.8	19.0	19.4	20.2	18.3	18.8	19.0	19.4	20.2
x=8H y=8H	18.5	18.9	19.2	19.6	20.3	18.5	18.9	19.2	19.6	20.3
x=8H y=12H	18.6	19.0	19.3	19.6	20.4	18.6	19.0	19.3	19.6	20.4
x=12H y=4H	18.2	18.7	18.8	19.3	20.0	18.2	18.7	18.8	19.3	20.0
x=12H y=6H	18.6	19.0	19.3	19.7	20.4	18.6	19.0	19.3	19.7	20.4
x=12H y=8H	18.8	19.1	19.4	19.8	20.5	18.8	19.1	19.4	19.8	20.5

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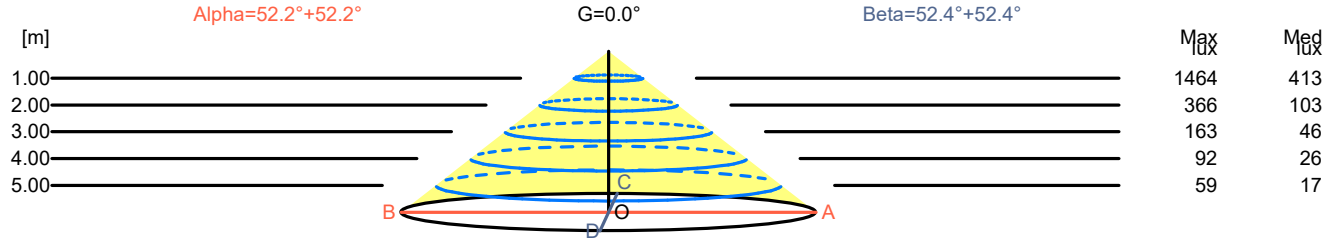
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Width at 50.00 % of Max Intensity

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	1.29	2.58	3.87	5.15	6.44	OC	1.30	2.60	3.90	5.20	6.50
OB	1.29	2.58	3.87	5.15	6.44	OD	1.30	2.60	3.90	5.20	6.50

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1464.23	1454.89	1388.84	1256.24	1082.37	884.29	671.73	458.08	245.93	75.42
OB	1464.23	1454.89	1388.84	1256.24	1082.37	884.29	671.73	458.08	245.93	75.42
OC	1464.23	1454.78	1392.73	1259.55	1086.72	890.71	676.51	458.16	245.09	75.08
OD	1464.23	1454.78	1392.73	1259.55	1086.72	890.71	676.51	458.16	245.09	75.08



H[m]	D[m]	Max lux	Med lux	Alpha=52.2°+52.2° G=0.0
1.00	2.58	1464	413	
2.00	5.15	366	103	
3.00	7.73	163	46	
4.00	10.31	92	26	
5.00	12.89	59	17	

H[m]	D[m]	Max lux	Med lux	Beta=52.4°+52.4° G=0.0
1.00	2.60	1464	413	
2.00	5.20	366	103	
3.00	7.80	163	46	
4.00	10.39	92	26	
5.00	12.99	59	17	

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Flujo Total=4429.82 Flujo Luminaria=4429.82

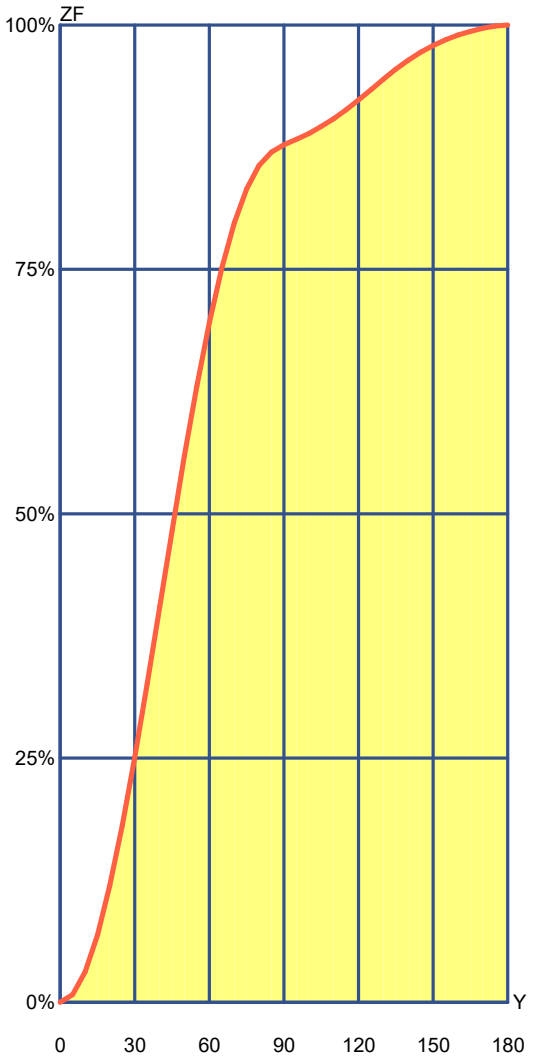
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.32	0.40	0.47	0.54	0.60	0.68	0.74	0.78	0.83	0.86	0.93	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	4

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)	31	120	251	405	559	695	797	856	877	889	904	923	945	964	979	990	997	1000

Códigos de Flujo C.I.E.
49 79 95 88 100

C.I.E.	5/5/5/5/5/5/5/5/5/5/4	LOR	100.00000 %
D DIN 5040	B31	ULOR	12.25523 %
F UTE	0.88 E + 0.12 T	DLOR	87.74477 %
B NBN	BZ 4	UFF	12.25523 %
RN	12.25523 %	DFF	87.74477 %
BLF	1.0	FFR	13.96690 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	7.88	7.88	0.79 %	0.79 %
10°	23.30	31.18	2.33 %	3.12 %
15°	37.80	68.98	3.78 %	6.90 %
20°	50.66	119.63	5.07 %	11.96 %
25°	61.32	180.95	6.13 %	18.10 %
30°	69.77	250.72	6.98 %	25.07 %
35°	75.48	326.20	7.55 %	32.62 %
40°	78.38	404.58	7.84 %	40.46 %
45°	78.48	483.06	7.85 %	48.31 %
50°	76.08	559.15	7.61 %	55.91 %
55°	71.44	630.58	7.14 %	63.06 %
60°	64.66	695.24	6.47 %	69.52 %
65°	56.14	751.38	5.61 %	75.14 %
70°	46.07	797.45	4.61 %	79.75 %
75°	35.07	832.52	3.51 %	83.25 %
80°	23.81	856.33	2.38 %	85.63 %
85°	13.79	870.12	1.38 %	87.01 %
90°	7.33	877.45	0.73 %	87.74 %
95°	5.65	883.09	0.56 %	88.31 %
100°	6.03	889.13	0.60 %	88.91 %
105°	7.02	896.14	0.70 %	89.61 %
110°	8.00	904.15	0.80 %	90.41 %
115°	9.07	913.21	0.91 %	91.32 %
120°	10.07	923.28	1.01 %	92.33 %
125°	10.69	933.97	1.07 %	93.40 %
130°	10.71	944.68	1.07 %	94.47 %
135°	10.16	954.84	1.02 %	95.48 %
140°	9.25	964.09	0.92 %	96.41 %
145°	8.15	972.24	0.81 %	97.22 %
150°	6.97	979.20	0.70 %	97.92 %
155°	5.78	984.98	0.58 %	98.50 %
160°	4.73	989.72	0.47 %	98.97 %
165°	3.88	993.60	0.39 %	99.36 %
170°	3.21	996.82	0.32 %	99.68 %
175°	2.32	999.14	0.23 %	99.91 %
180°	0.86	1000.00	0.09 %	100.00 %

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Code CL092A22F020G
Name PLAFONET 60 LED WHITE RIBBON

Luminaire Flux	4429.82 lm	Luminaire Power	35.16 W	Efficacy	126.00 lm/W	Efficiency	100.00%
Sources Flux	4429.82 lm	Maximum value	1464.23 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

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

