

Luminaire

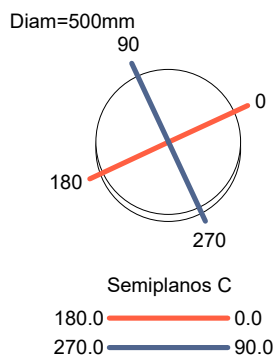
Code A628-057-4000K
Name Plaff-on! 50 LED IP54

Measurem.

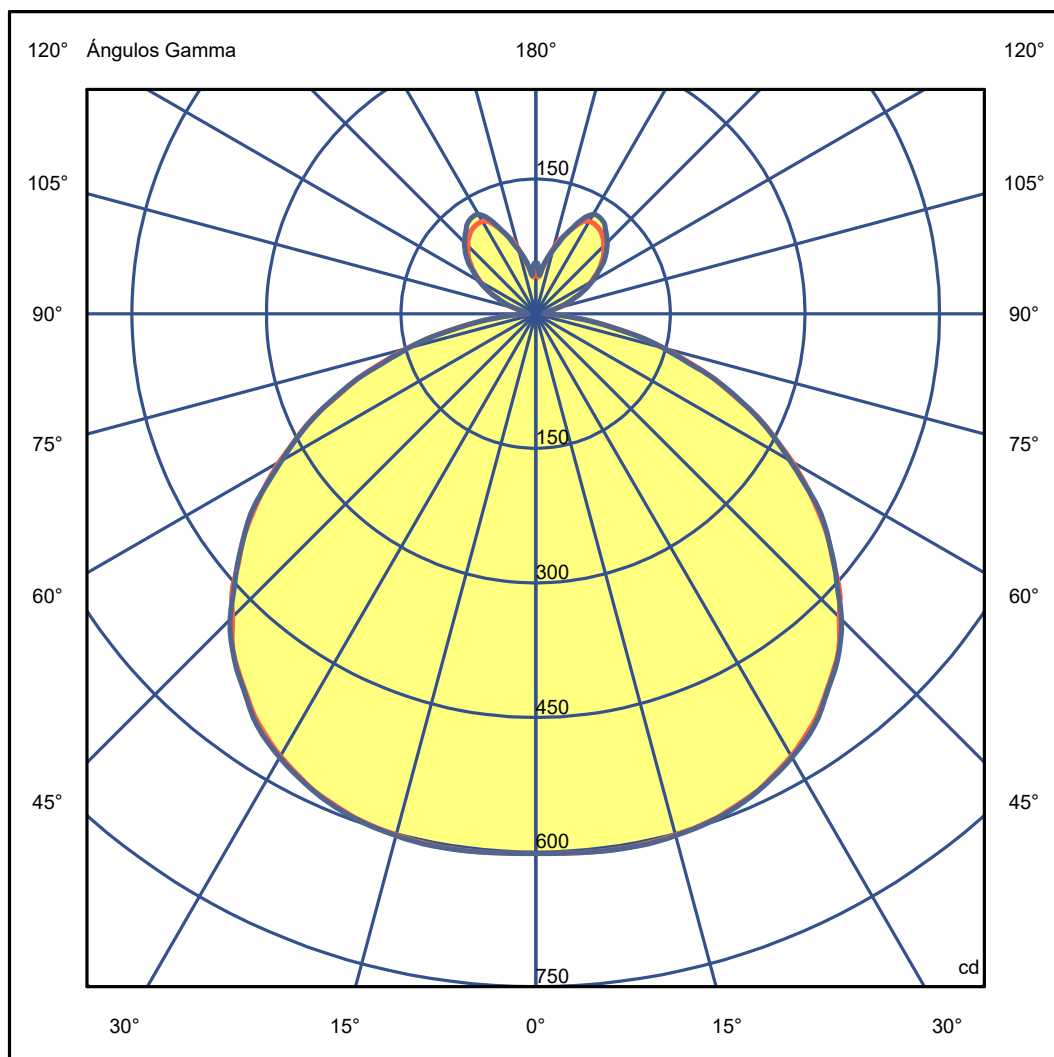
Code CL041A21F022G
Name Plaff-on! 50 LED IP54

Luminaire Flux	2434.74 lm	Luminaire Power	31.80 W	Efficacy	76.56 lm/W	Efficiency	100.00%
Sources Flux	2434.74 lm	Maximum value	603.91 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical
Round Luminaire		Diam.	500 mm	Height	130 mm		
Round Luminous Area		Diam.	410 mm	Height	10 mm		
Horizontal Luminous Area		0.132025 m ²		Emitting area on Plane 180°		0.004100 m ²	
Emitting area on Plane 0°		0.004100 m ²		Emitting area on Plane 270°		0.004100 m ²	
Emitting area on Plane 90°		0.004100 m ²		Glare area at 76°		0.035918 m ²	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		12-02-2021		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		2434.74 lm	
Operator		ASSELUM		Rated Voltage		230.20 V	
Temperature		25.10 °C		Rated Current		0.14 A	
Humidity		32.40 %		Photocell		Prc	
Notes		RM21020309.7					

Luminaire Sources						
Line		Code LED	Name LED	Flux [lm]	Pow. [W]	Q.ty
				2434.74	31.80	1
C.I.E.	44 77 95 83 100		D DIN 5040	B31		
F UTE	0.83 E + 0.17 T		B NBN	BZ 5		



ULOR 16.78 %
DLOR 83.22 %
RN 16.78 %



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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	601.30	601.30	601.30	601.30	601.30	601.30	601.30
G 2.5	601.68	601.67	601.66	601.67	601.73	601.81	601.85
G 5.0	602.47	602.52	602.56	602.59	602.61	602.63	602.64
G 7.5	603.12	603.22	603.32	603.40	603.41	603.40	603.42
G 10.0	603.30	603.40	603.53	603.69	603.81	603.89	603.91
G 12.5	602.76	602.89	603.07	603.25	603.44	603.58	603.64
G 15.0	601.27	601.59	601.95	602.15	602.20	602.14	602.10
G 17.5	599.21	599.22	599.36	599.68	599.88	600.03	600.09
G 20.0	596.17	596.24	596.22	596.07	596.55	597.07	597.14
G 22.5	591.07	591.17	591.49	591.89	592.22	592.45	592.53
G 25.0	585.88	585.80	585.99	586.52	586.64	586.64	586.62
G 27.5	577.72	578.09	578.73	579.63	579.60	579.29	579.10
G 30.0	569.21	568.95	568.87	569.16	569.88	570.68	571.05
G 32.5	558.41	558.09	558.14	558.68	559.72	560.79	561.28
G 35.0	546.47	546.57	547.16	547.91	548.56	548.98	549.14
G 37.5	531.24	532.56	534.27	535.97	535.12	533.50	532.62
G 40.0	516.79	517.14	518.24	520.00	519.69	518.79	518.27
G 42.5	500.51	499.74	499.22	499.29	500.10	501.10	501.60
G 45.0	478.04	477.85	478.58	479.71	480.80	481.59	481.89
G 47.5	459.45	459.23	459.67	459.72	458.69	457.29	456.59
G 50.0	432.82	434.12	435.89	436.86	436.18	434.77	434.00
G 52.5	410.48	410.59	411.15	411.55	411.37	410.92	410.66
G 55.0	383.93	382.59	382.05	382.67	384.53	386.60	387.58
G 57.5	357.68	357.36	357.98	358.47	358.07	357.26	356.82
G 60.0	329.84	330.58	331.99	332.41	330.76	328.36	327.14
G 62.5	300.69	301.61	303.38	304.26	303.12	301.15	300.10
G 65.0	273.86	272.24	271.13	270.74	271.18	271.93	272.32
G 67.5	239.48	238.43	238.50	239.33	240.49	241.54	242.00
G 70.0	210.95	210.27	210.71	211.32	211.39	211.12	210.94
G 72.5	178.59	180.04	181.86	182.15	179.76	176.47	174.81
G 75.0	147.73	148.29	149.58	150.17	149.12	147.42	146.53
G 77.5	119.62	117.31	115.19	114.30	115.22	116.88	117.76
G 80.0	86.57	85.94	86.24	86.64	86.54	86.16	85.93
G 82.5	63.19	62.40	62.31	62.26	61.79	61.17	60.86
G 85.0	37.72	39.13	40.80	41.37	40.02	37.95	36.88
G 87.5	22.75	22.45	22.48	22.54	22.43	22.23	22.13
G 90.0	12.47	12.02	11.87	12.02	12.43	12.88	13.09
G 92.5	9.48	9.20	8.97	8.77	8.59	8.46	8.41
G 95.0	9.32	9.00	8.69	8.49	8.46	8.55	8.67
G 97.5	10.60	10.46	10.20	9.97	9.88	9.88	9.90
G100.0	13.26	13.46	13.50	13.38	13.10	12.82	12.69
G102.5	18.97	19.11	18.86	18.31	17.60	16.96	16.68
G105.0	24.48	24.83	24.67	24.18	23.54	22.98	22.74
G107.5	32.94	32.62	31.95	31.46	31.70	32.16	32.09
G110.0	40.28	40.44	40.22	39.87	39.61	39.47	39.43
G112.5	47.94	48.84	49.46	49.48	48.75	47.79	47.31
G115.0	56.31	56.82	56.95	56.88	56.78	56.71	56.68
G117.5	64.32	64.45	64.34	64.23	64.32	64.49	64.58
G120.0	71.41	71.86	72.03	72.16	72.39	72.64	72.76
G122.5	77.99	78.99	79.79	80.25	80.18	79.90	80.08
G125.0	85.87	87.03	87.76	87.83	87.59	87.18	86.95
G127.5	91.60	92.65	93.40	93.89	94.52	95.02	95.22
G130.0	97.92	98.45	98.92	99.54	100.23	101.03	101.66
G132.5	102.65	103.69	104.50	105.14	105.98	106.71	107.37
G135.0	107.02	108.34	109.68	110.84	111.68	112.18	112.34
G137.5	111.69	112.83	113.93	114.98	115.95	116.68	116.97
G140.0	114.80	115.76	116.79	118.01	119.44	120.69	121.21
G142.5	117.64	118.22	119.08	120.58	122.80	124.91	125.85
G145.0	118.84	119.35	120.18	121.81	124.44	127.02	128.17
G147.5	119.58	119.71	119.67	120.40	123.72	127.41	129.15
G150.0	118.95	117.45	116.33	116.83	120.83	125.65	127.98
G152.5	116.34	114.25	112.32	111.77	115.15	119.70	122.22
G155.0	109.40	107.52	106.09	105.59	107.90	110.99	112.54
G157.5	101.48	100.90	100.00	99.57	100.11	101.06	101.56
G160.0	92.87	92.81	92.19	91.65	91.66	91.98	92.18
G162.5	85.22	84.99	83.97	82.78	81.96	81.54	81.41
G165.0	74.98	74.60	73.53	72.70	72.78	73.34	73.68
G167.5	65.64	65.37	64.67	64.32	64.85	65.74	66.21
G170.0	56.28	56.35	56.30	56.49	57.15	57.93	58.30
G172.5	48.44	49.60	50.58	50.95	50.49	49.71	49.30
G175.0	41.63	44.79	47.78	49.29	48.04	45.35	43.27
G177.5	44.05	46.19	48.69	51.20	53.33	54.82	55.37
G180.0	54.32	54.32	54.32	54.32	54.32	54.32	54.32

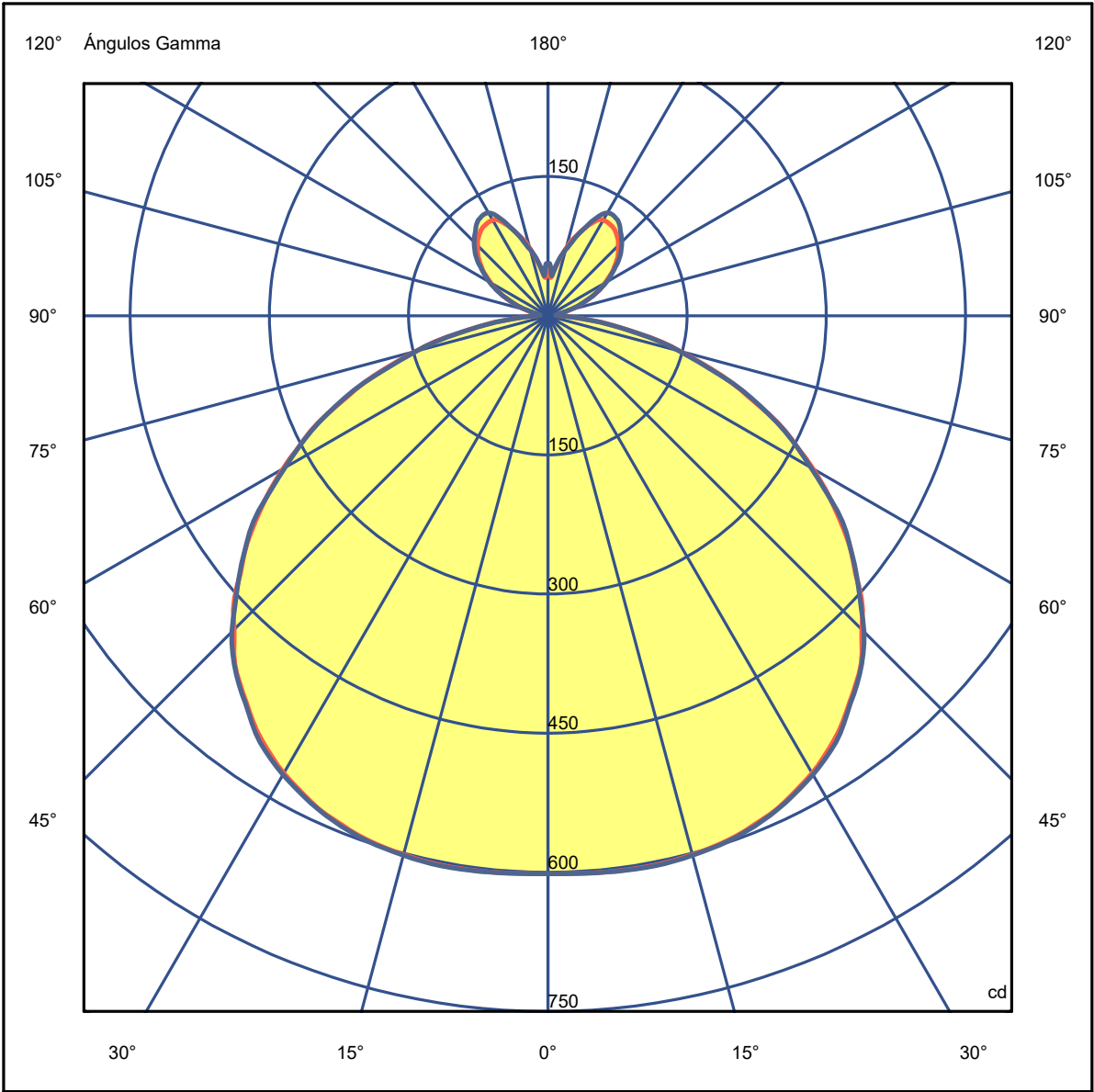
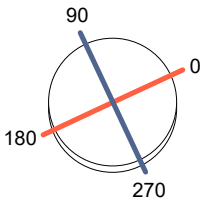
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Name Plaff-on! 50 LED IP54
Measurem.
Code CL041A21F022G
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Sources Flux	2434.74 lm	Maximum value	603.91 cd	Position	C=90.00 G=10.00	CG	Double Symmetrical

Diam=500mm

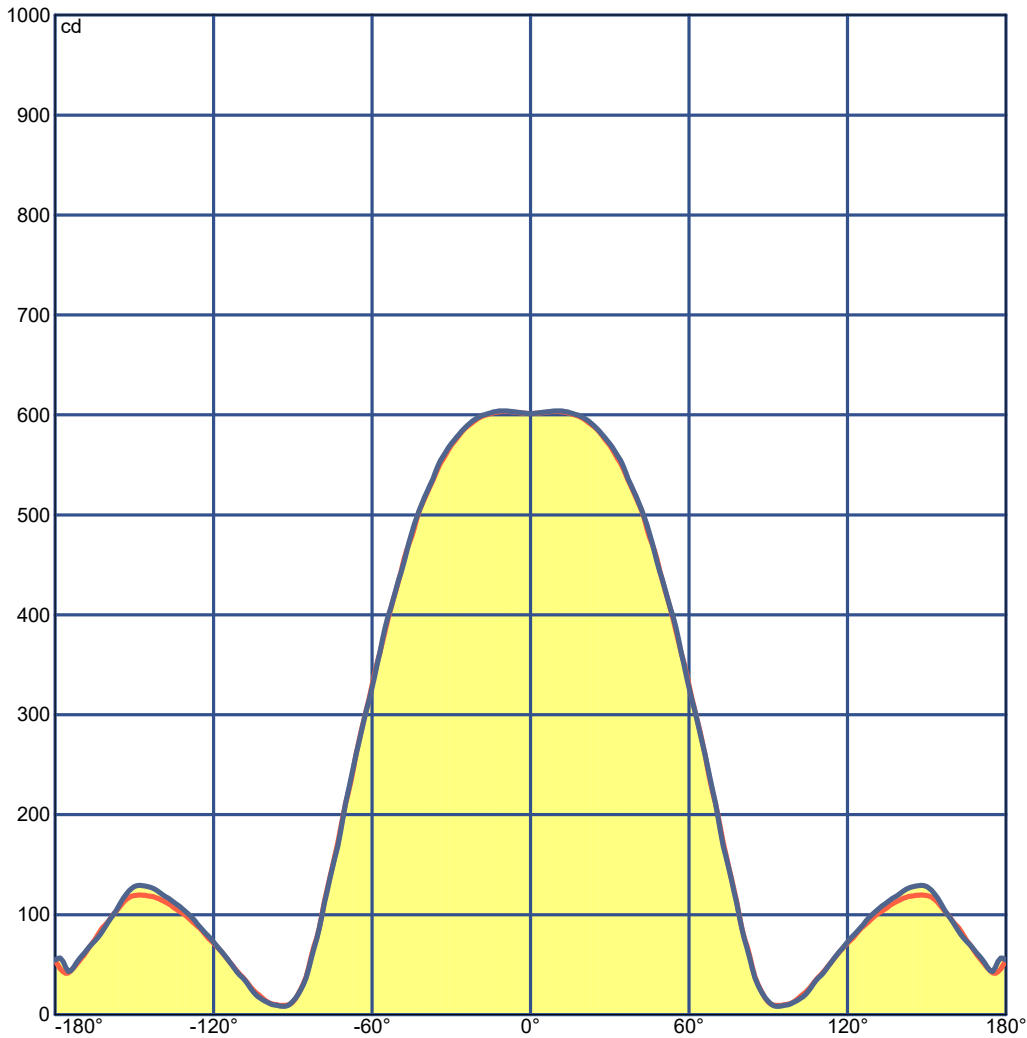
Semiplanos C

180.0 0.0
270.0 90.0



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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										
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
	17.3	18.4	17.8	18.9	19.5	17.3	18.4	17.8	18.9	19.5
	18.9	19.9	19.4	20.4	21.0	18.9	19.9	19.4	20.4	21.0
	19.5	20.4	20.0	21.0	21.6	19.5	20.4	20.0	21.0	21.6
	19.9	20.8	20.5	21.3	22.0	19.9	20.8	20.4	21.3	22.0
	20.0	20.8	20.6	21.4	22.1	20.0	20.8	20.6	21.4	22.1
	20.1	20.9	20.7	21.5	22.1	20.0	20.8	20.6	21.4	22.1
	17.9	18.9	18.5	19.4	20.1	17.9	18.9	18.5	19.4	20.1
	19.7	20.5	20.3	21.1	21.8	19.7	20.5	20.3	21.1	21.8
	20.4	21.1	21.0	21.7	22.4	20.4	21.1	21.0	21.7	22.4
	20.9	21.5	21.6	22.2	22.9	20.9	21.5	21.6	22.2	22.9
	21.1	21.6	21.7	22.3	23.1	21.1	21.6	21.7	22.3	23.0
	21.2	21.7	21.9	22.4	23.1	21.2	21.7	21.8	22.3	23.1
	20.6	21.2	21.3	21.9	22.6	20.6	21.2	21.3	21.9	22.6
	21.3	21.8	22.0	22.4	23.2	21.3	21.7	22.0	22.4	23.2
	21.5	21.9	22.2	22.6	23.4	21.5	21.9	22.2	22.6	23.4
	21.7	22.0	22.4	22.8	23.6	21.6	22.0	22.4	22.7	23.6
	21.0	21.5	21.7	22.2	23.0	21.0	21.5	21.7	22.2	23.0
	21.6	22.0	22.3	22.7	23.5	21.6	22.0	22.3	22.7	23.5
	21.9	22.2	22.6	22.9	23.8	21.8	22.2	22.6	22.9	23.8

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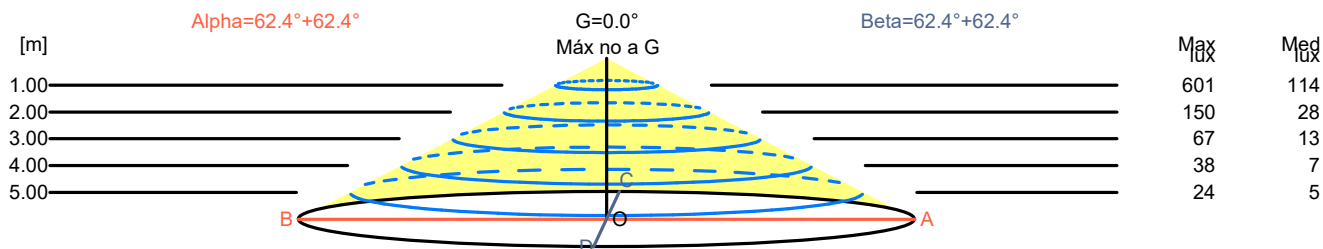
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Width at 50.00 % of Max Intensity

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	1.91	3.83	5.74	7.66	9.57	OC	1.91	3.82	5.73	7.64	9.55
OB	1.91	3.83	5.74	7.66	9.57	OD	1.91	3.82	5.73	7.64	9.55

	Luminous Intensities [cd]									
	0	5	15	25	35	45	55	65	75	85
OA	601.30	602.47	601.27	585.88	546.47	478.04	383.93	273.86	147.73	37.72
OB	601.30	602.47	601.27	585.88	546.47	478.04	383.93	273.86	147.73	37.72
OC	601.30	602.64	602.10	586.62	549.14	481.89	387.58	272.32	146.53	36.88
OD	601.30	602.64	602.10	586.62	549.14	481.89	387.58	272.32	146.53	36.88



H[m]	D[m]	Max lux	Med lux	Alpha=62.4°+62.4°	G=0.0 Máx no a G	
1.00	3.83	601	114			
2.00	7.66	150	28			
3.00	11.49	67	13			
4.00	15.32	38	7			
5.00	19.15	24	5			

H[m]	D[m]	Max lux	Med lux	Beta=62.4°+62.4°	G=0.0 Máx no a G	
1.00	3.82	601	114			
2.00	7.64	150	28			
3.00	11.45	67	13			
4.00	15.27	38	7			
5.00	19.09	24	5			

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Flujo Total=2434.74 Flujo Luminaria=2434.74

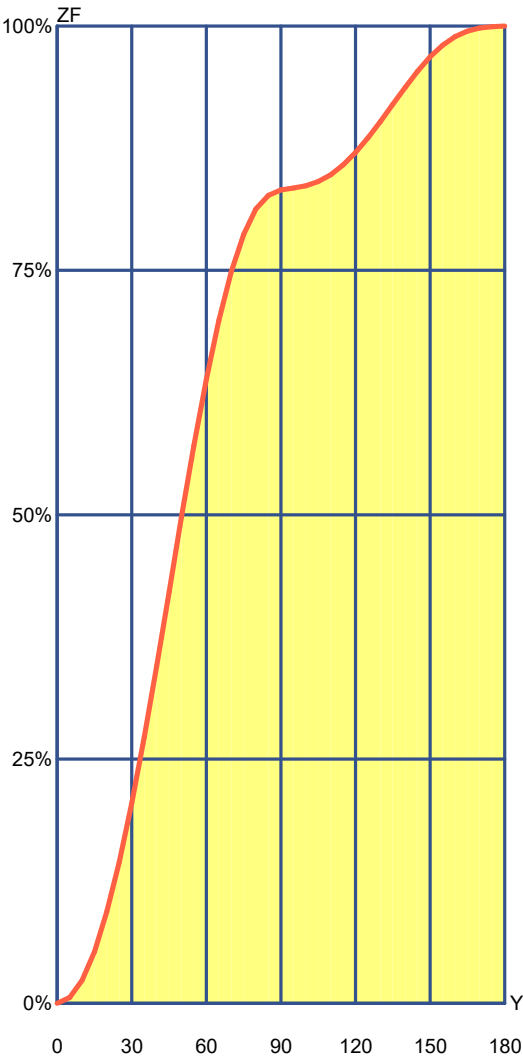
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.37	0.44	0.52	0.57	0.66	0.72	0.76	0.82	0.85	0.92	0.96
RC	6	5	5	5	5	5	5	5	5	5	5	5

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)	24	94	205	345	497	638	749	813	832	837	848	871	902	937	969	989	998	1000

Códigos de Flujo C.I.E.
44 77 95 83 100

C.I.E.	6/5/5/5/5/5/5/5/5/5	LOR	100.00000 %
D DIN 5040	B31	ULOR	16.77948 %
F UTE	0.83 E + 0.17 T	DLOR	83.22052 %
B NBN	BZ 5	UFF	16.77948 %
RN	16.77948 %	DFF	83.22052 %
BLF	1.0	FFR	20.16267 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.91	5.91	0.59 %	0.59 %
10°	17.73	23.64	1.77 %	2.36 %
15°	29.38	53.02	2.94 %	5.30 %
20°	40.57	93.59	4.06 %	9.36 %
25°	50.96	144.55	5.10 %	14.46 %
30°	60.12	204.67	6.01 %	20.47 %
35°	67.59	272.26	6.76 %	27.23 %
40°	73.09	345.35	7.31 %	34.54 %
45°	75.96	421.31	7.60 %	42.13 %
50°	76.00	497.31	7.60 %	49.73 %
55°	73.25	570.56	7.32 %	57.06 %
60°	67.84	638.40	6.78 %	63.84 %
65°	60.21	698.62	6.02 %	69.86 %
70°	50.01	748.63	5.00 %	74.86 %
75°	38.55	787.18	3.85 %	78.72 %
80°	25.67	812.85	2.57 %	81.28 %
85°	13.93	826.77	1.39 %	82.68 %
90°	5.43	832.21	0.54 %	83.22 %
95°	2.18	834.38	0.22 %	83.44 %
100°	2.35	836.73	0.23 %	83.67 %
105°	4.03	840.76	0.40 %	84.08 %
110°	6.87	847.63	0.69 %	84.76 %
115°	10.08	857.71	1.01 %	85.77 %
120°	12.86	870.56	1.29 %	87.06 %
125°	15.13	885.69	1.51 %	88.57 %
130°	16.72	902.41	1.67 %	90.24 %
135°	17.44	919.84	1.74 %	91.98 %
140°	17.41	937.25	1.74 %	93.73 %
145°	16.55	953.81	1.66 %	95.38 %
150°	14.76	968.57	1.48 %	96.86 %
155°	11.94	980.51	1.19 %	98.05 %
160°	8.66	989.17	0.87 %	98.92 %
165°	5.64	994.81	0.56 %	99.48 %
170°	3.20	998.01	0.32 %	99.80 %
175°	1.51	999.51	0.15 %	99.95 %
180°	0.49	1000.00	0.05 %	100.00 %

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Isolux (Floor)

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

