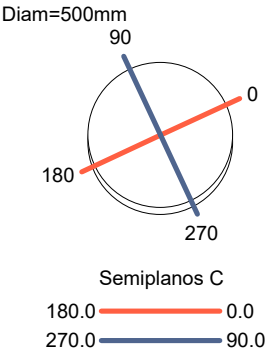


Luminaria

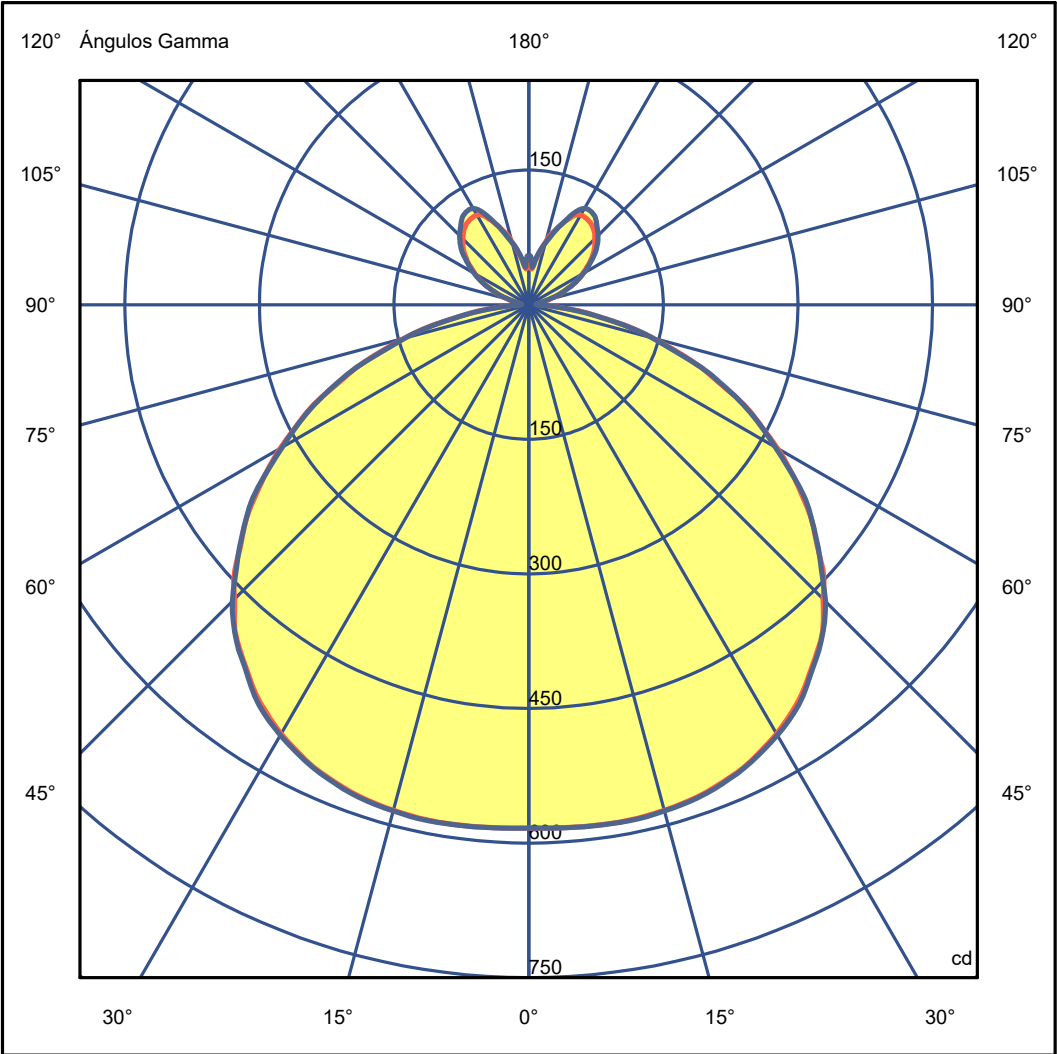
Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54  
Ensayo  
Código CL041A21F021G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2361.51 lm	Potencia Luminaria	31.80 W	Eficacia	74.26 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico
Luminaria Redonda		Diam.	500 mm	Altura	130 mm		
Área Luminosa Redonda		Diam.	410 mm	Altura	10 mm		
Área Luminosa Horizontal		0.132025 m2		Área Emisión sobre Pl. 180°		0.004100 m2	
Área Emisión sobre Pl. 0°		0.004100 m2		Área Emisión sobre Pl. 270°		0.004100 m2	
Área Emisión sobre Pl. 90°		0.004100 m2		Área de deslumbramiento a 76°		0.035918 m2	
Sist. de Coorden.		CG		Tipo de Simetría		Bisimétrico	
Fecha		12-02-2021		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		2361.51 lm	
Operador		ASSELUM		Tensión Nominal		230.20 V	
Temperatura		25.10 °C		Corriente Nominal		0.14 A	
Humedad		32.40 %		Fotocélula		Prc	
Notas		RM21020309.7					

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.	
			2361.51	31.80	1	
C.I.E.	44 77 95 83 100					
F UTE	0.83 E + 0.17 T					
		D DIN 5040	B31			
		B NBN	BZ 5			



ULOR 16.78 %  
DLOR 83.22 %  
RN 16.78 %



**Luminaria**

Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54

**Ensayo**

Código CL041A21F021G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2361.51 lm	Potencia Luminaria	31.80 W	Eficacia	74.26 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG Bisimétrico	

**Tabla de Intensidad Luminosa cd** **Tabla 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	583.21	583.21	583.21	583.21	583.21	583.21	583.21
G 2.5	583.58	583.58	583.58	583.57	583.63	583.71	583.74
G 5.0	584.35	584.40	584.44	584.46	584.48	584.50	584.51
G 7.5	584.98	585.07	585.17	585.25	585.26	585.25	585.27
G 10.0	585.16	585.25	585.38	585.53	585.65	585.72	585.75
G 12.5	584.63	584.76	584.93	585.10	585.29	585.43	585.48
G 15.0	583.19	583.50	583.84	584.04	584.09	584.03	583.99
G 17.5	581.18	581.19	581.33	581.65	581.84	581.98	582.04
G 20.0	578.24	578.31	578.28	578.14	578.61	579.11	579.18
G 22.5	573.29	573.39	573.70	574.09	574.41	574.63	574.71
G 25.0	568.26	568.18	568.36	568.88	569.00	569.00	568.98
G 27.5	560.35	560.70	561.33	562.19	562.17	561.87	561.68
G 30.0	552.09	551.84	551.76	552.04	552.74	553.51	553.87
G 32.5	541.62	541.30	541.35	541.87	542.89	543.92	544.39
G 35.0	530.04	530.13	530.70	531.43	532.06	532.47	532.62
G 37.5	515.27	516.54	518.20	519.85	519.03	517.45	516.60
G 40.0	501.25	501.59	502.65	504.36	504.06	503.19	502.68
G 42.5	485.46	484.71	484.21	484.27	485.06	486.03	486.51
G 45.0	463.66	463.48	464.18	465.28	466.33	467.10	467.40
G 47.5	445.63	445.42	445.84	445.89	444.89	443.54	442.86
G 50.0	419.81	421.07	422.78	423.72	423.06	421.69	420.94
G 52.5	398.13	398.24	398.78	399.17	399.00	398.56	398.31
G 55.0	372.38	371.08	370.56	371.17	372.97	374.97	375.92
G 57.5	346.92	346.62	347.22	347.69	347.30	346.51	346.08
G 60.0	319.92	320.63	322.00	322.41	320.81	318.49	317.30
G 62.5	291.64	292.54	294.25	295.11	294.01	292.09	291.07
G 65.0	265.62	264.06	262.97	262.60	263.02	263.75	264.13
G 67.5	232.27	231.26	231.33	232.13	233.26	234.28	234.72
G 70.0	204.61	203.95	204.37	204.96	205.03	204.77	204.60
G 72.5	173.22	174.62	176.39	176.67	174.35	171.16	169.55
G 75.0	143.28	143.83	145.08	145.65	144.63	142.98	142.12
G 77.5	116.03	113.78	111.73	110.86	111.75	113.36	114.22
G 80.0	83.97	83.36	83.65	84.04	83.94	83.57	83.35
G 82.5	61.29	60.52	60.43	60.39	59.93	59.33	59.03
G 85.0	36.59	37.96	39.57	40.12	38.81	36.81	35.77
G 87.5	22.06	21.77	21.80	21.86	21.75	21.56	21.46
G 90.0	12.09	11.66	11.51	11.66	12.06	12.49	12.70
G 92.5	9.19	8.93	8.70	8.51	8.33	8.21	8.16
G 95.0	9.04	8.73	8.43	8.23	8.21	8.30	8.41
G 97.5	10.28	10.14	9.89	9.67	9.58	9.58	9.60
G100.0	12.86	13.06	13.10	12.97	12.71	12.43	12.31
G102.5	18.40	18.54	18.30	17.76	17.07	16.45	16.18
G105.0	23.74	24.09	23.93	23.45	22.83	22.29	22.06
G107.5	31.95	31.64	30.99	30.52	30.74	31.19	31.12
G110.0	39.07	39.23	39.01	38.67	38.42	38.29	38.25
G112.5	46.50	47.37	47.97	47.99	47.28	46.35	45.89
G115.0	54.62	55.11	55.23	55.17	55.07	55.00	54.98
G117.5	62.38	62.52	62.41	62.30	62.38	62.55	62.64
G120.0	69.26	69.69	69.87	69.99	70.21	70.46	70.57
G122.5	75.64	76.61	77.39	77.84	77.77	77.49	77.67
G125.0	83.29	84.41	85.12	85.18	84.96	84.56	84.34
G127.5	88.84	89.86	90.59	91.07	91.68	92.16	92.36
G130.0	94.97	95.49	95.94	96.55	97.21	97.99	98.60
G132.5	99.56	100.57	101.36	101.98	102.79	103.50	104.14
G135.0	103.80	105.08	106.38	107.51	108.33	108.81	108.96
G137.5	108.34	109.44	110.50	111.52	112.46	113.17	113.45
G140.0	111.35	112.28	113.28	114.46	115.85	117.06	117.57
G142.5	114.10	114.66	115.50	116.95	119.10	121.15	122.07
G145.0	115.27	115.76	116.56	118.15	120.70	123.20	124.32
G147.5	115.99	116.11	116.07	116.78	120.00	123.57	125.26
G150.0	115.37	113.92	112.83	113.32	117.20	121.87	124.13
G152.5	112.84	110.81	108.94	108.41	111.69	116.10	118.54
G155.0	106.11	104.28	102.90	102.42	104.66	107.65	109.16
G157.5	98.43	97.87	96.99	96.57	97.10	98.02	98.50
G160.0	90.08	90.02	89.42	88.89	88.90	89.21	89.40
G162.5	82.66	82.44	81.44	80.29	79.50	79.08	78.96
G165.0	72.73	72.36	71.32	70.52	70.59	71.13	71.46
G167.5	63.67	63.41	62.72	62.39	62.90	63.77	64.22
G170.0	54.59	54.66	54.60	54.79	55.43	56.19	56.55
G172.5	46.98	48.11	49.06	49.42	48.98	48.22	47.82
G175.0	40.37	43.44	46.35	47.81	46.60	43.99	41.97
G177.5	42.73	44.80	47.23	49.66	51.73	53.17	53.71
G180.0	52.69	52.69	52.69	52.69	52.69	52.69	52.69

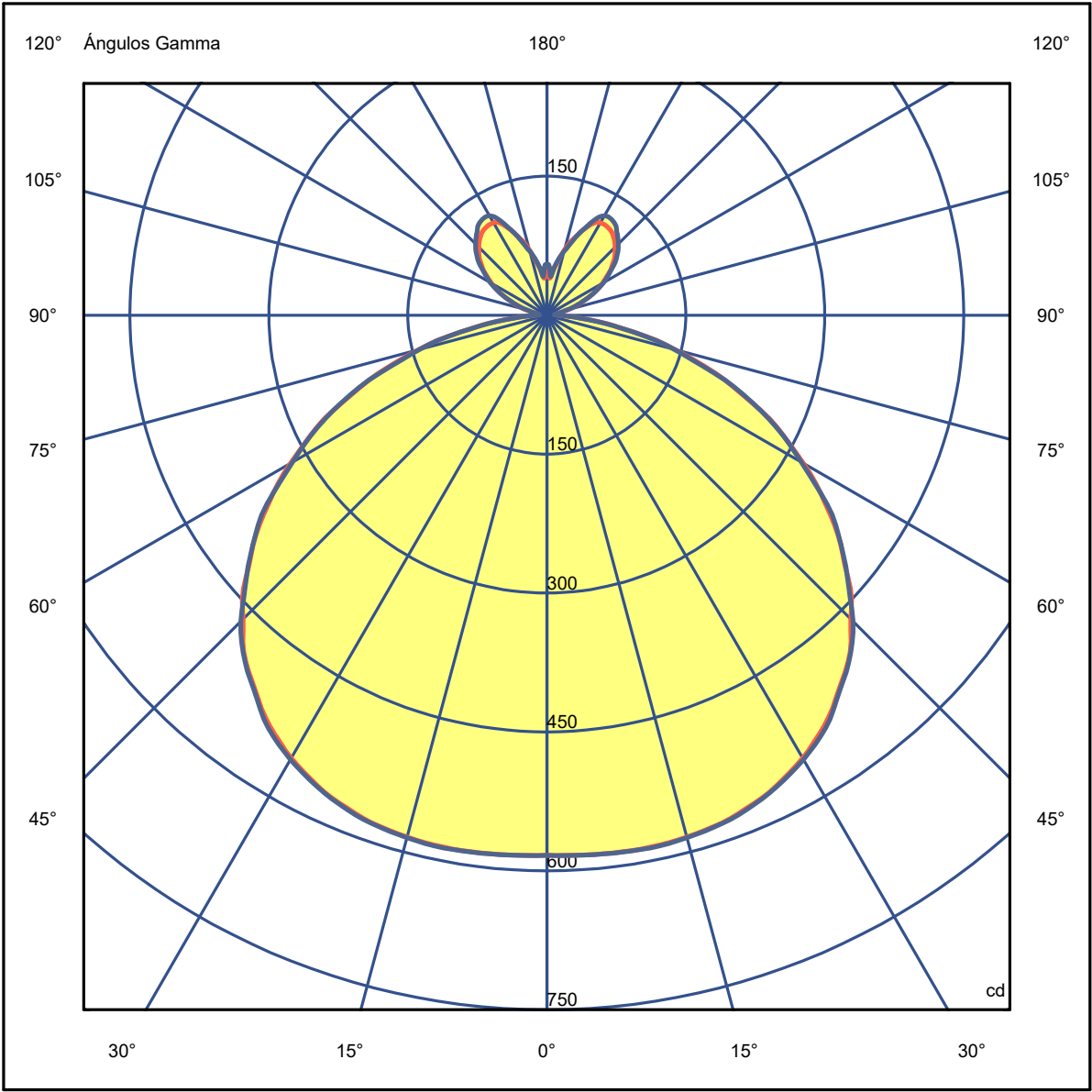
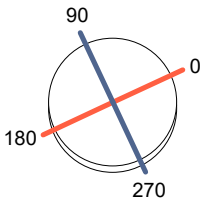
**Luminaria**  
Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54  
**Ensayo**  
Código CL041A21F021G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2361.51 lm	Potencia Luminaria	31.80 W	Eficacia	74.26 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico

Diam=500mm

Semiplanos C

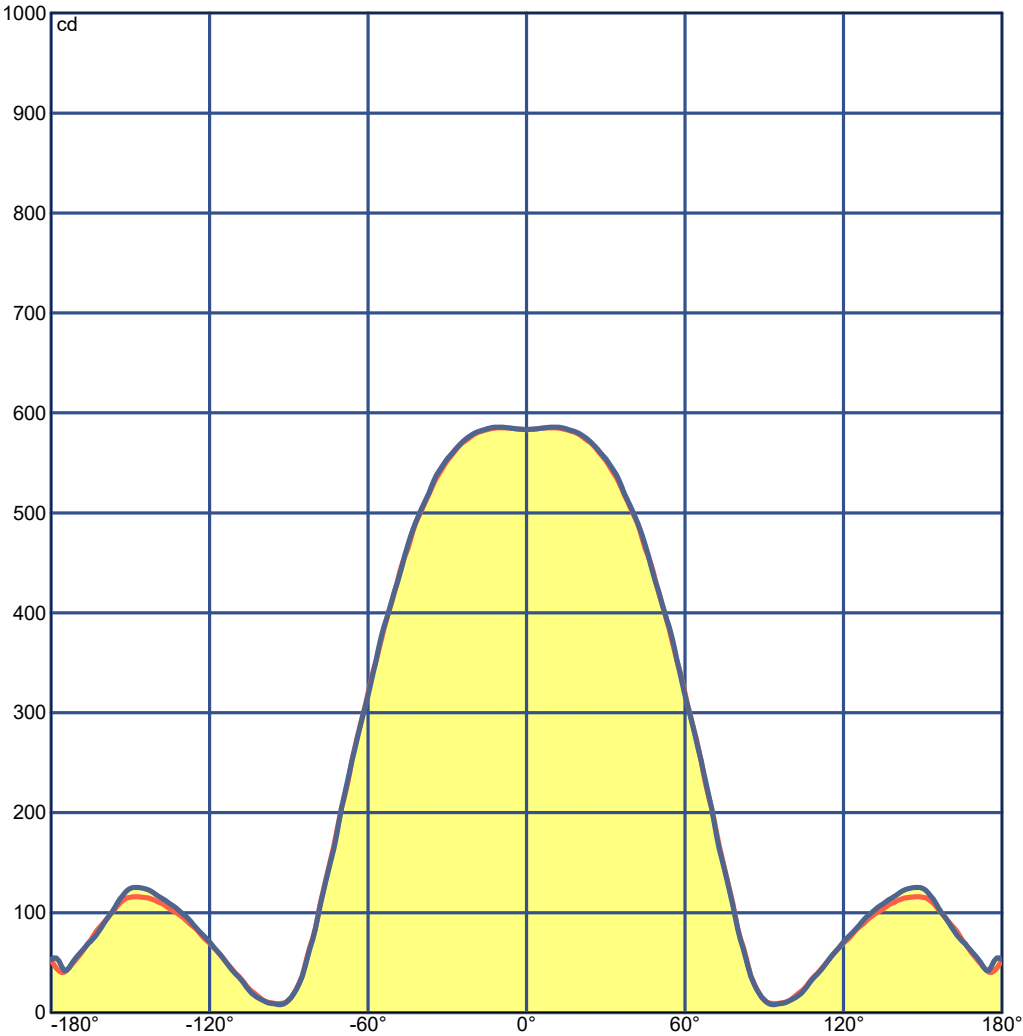
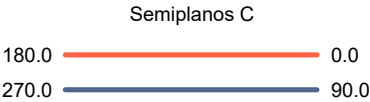
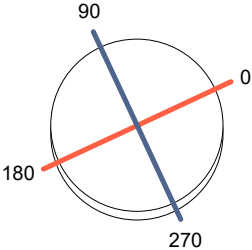
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**Luminaria**  
Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54  
**Ensayo**  
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Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico

Diam=500mm



## Luminaria

Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54

## Ensayo

Código CL041A21F021G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2361.51 lm	Potencia Luminaria	31.80 W	Eficacia	74.26 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG Bisimétrico	

UGR  
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local										
Vista Lateral						Vista Longitudinal				
x=2H y=2H	17.2	18.3	17.7	18.8	19.4	17.2	18.3	17.7	18.8	19.4
x=2H y=3H	18.7	19.8	19.3	20.3	20.9	18.8	19.8	19.3	20.3	20.9
x=2H y=4H	19.4	20.3	19.9	20.9	21.5	19.3	20.3	19.9	20.9	21.5
x=2H y=6H	19.8	20.7	20.4	21.2	21.9	19.8	20.6	20.3	21.2	21.9
x=2H y=8H	19.9	20.7	20.5	21.3	22.0	19.9	20.7	20.5	21.3	22.0
x=2H y=12H	19.9	20.8	20.6	21.4	22.0	19.9	20.7	20.5	21.3	22.0
x=4H y=2H	17.8	18.8	18.4	19.3	20.0	17.8	18.8	18.4	19.3	20.0
x=4H y=3H	19.6	20.4	20.2	21.0	21.7	19.6	20.4	20.2	21.0	21.7
x=4H y=4H	20.3	21.0	20.9	21.6	22.3	20.3	21.0	20.9	21.6	22.3
x=4H y=6H	20.8	21.4	21.5	22.1	22.8	20.8	21.4	21.4	22.1	22.8
x=4H y=8H	21.0	21.5	21.6	22.2	23.0	21.0	21.5	21.6	22.2	22.9
x=4H y=12H	21.1	21.6	21.8	22.3	23.0	21.0	21.6	21.7	22.2	23.0
x=8H y=4H	20.5	21.1	21.2	21.8	22.5	20.5	21.1	21.2	21.8	22.5
x=8H y=6H	21.2	21.6	21.9	22.3	23.1	21.2	21.6	21.9	22.3	23.1
x=8H y=8H	21.4	21.8	22.1	22.5	23.3	21.4	21.8	22.1	22.5	23.3
x=8H y=12H	21.6	21.9	22.3	22.6	23.5	21.5	21.9	22.3	22.6	23.5
x=12H y=4H	20.9	21.4	21.6	22.1	22.9	20.9	21.4	21.6	22.1	22.9
x=12H y=6H	21.5	21.9	22.2	22.6	23.4	21.5	21.9	22.2	22.6	23.4
x=12H y=8H	21.8	22.1	22.5	22.8	23.7	21.7	22.1	22.5	22.8	23.7

## Luminaria

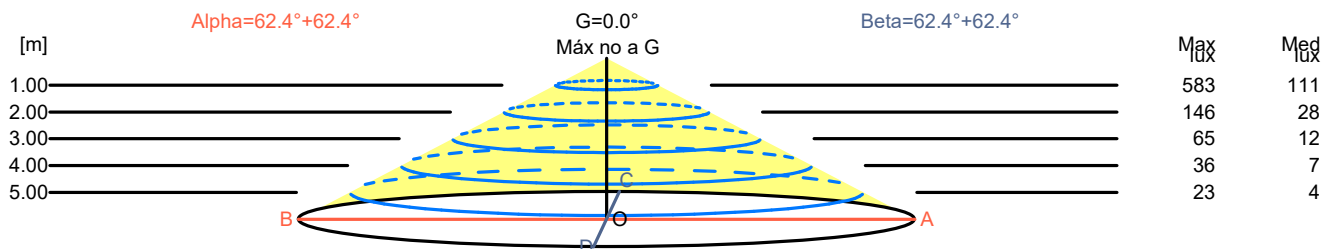
Código A628-057-3000K  
Nombre Plaff-on! 50 LED IP54  
Ensayo CL041A21F021G  
Código CL041A21F021G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2361.51 lm	Potencia Luminaria	31.80 W	Eficacia	74.26 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG Bisimétrico	

### Apertura a 50.00 % de Max Intensidad

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

	0	5	15	25	35	45	55	65	75	85
OA	583.21	584.35	583.19	568.26	530.04	463.66	372.38	265.62	143.28	36.59
OB	583.21	584.35	583.19	568.26	530.04	463.66	372.38	265.62	143.28	36.59
OC	583.21	584.51	583.99	568.98	532.62	467.40	375.92	264.13	142.12	35.77
OD	583.21	584.51	583.99	568.98	532.62	467.40	375.92	264.13	142.12	35.77



H[m]	D[m]	Max lux	Med lux	Alpha=62.4°+62.4°	G=0.0 Máx no a G
1.00	3.83	583	111		
2.00	7.66	146	28		
3.00	11.49	65	12		
4.00	15.32	36	7		
5.00	19.15	23	4		

H[m]	D[m]	Max lux	Med lux	Beta=62.4°+62.4°	G=0.0 Máx no a G
1.00	3.82	583	111		
2.00	7.64	146	28		
3.00	11.45	65	12		
4.00	15.27	36	7		
5.00	19.09	23	4		

## Luminaria

Código A628-057-3000K  
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Ensayo  
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Flujo Total=2361.51 Flujo Luminaria=2361.51

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

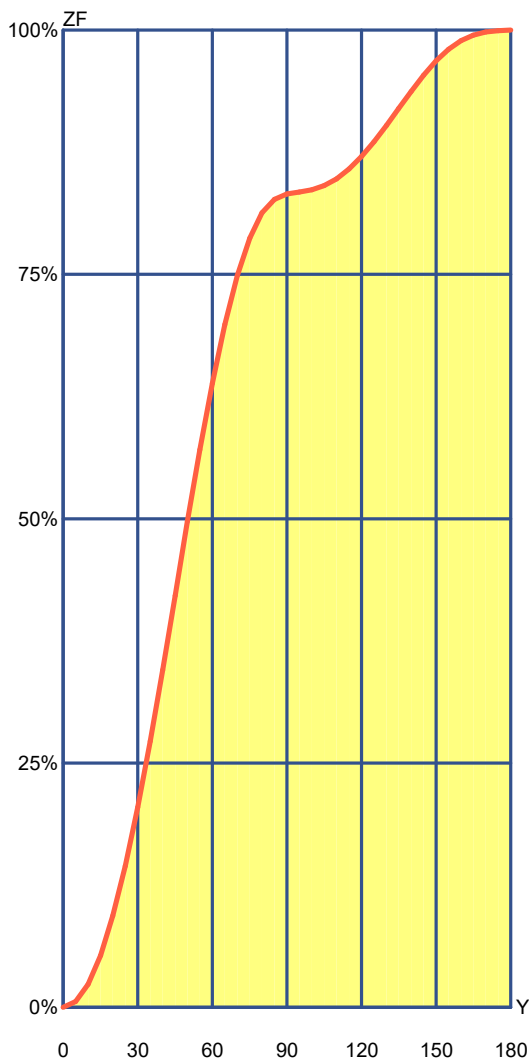
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	24	94	205	345	497	638	749	813	832	837	848	871	902	937	969	989	998	1000

Códigos de Flujo C.I.E.

44 77 95 83 100

C.I.E. 6/5/5/5/5/5/5/5/5/5  
D DIN 5040 B31  
F UTE 0.83 E + 0.17 T  
B NBN BZ 5  
RN 16.77948 %  
BLF 1.0

LOR 100.00000 %  
ULOR 16.77948 %  
DLOR 83.22052 %  
UFF 16.77948 %  
DFF 83.22052 %  
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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Flujo Fuentes de luz	2361.51 lm	Valor Máximo	585.75 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico

Isolux (Suelo)

Posición Luminaria X=0.00m Y=0.00m Z=2.50m

