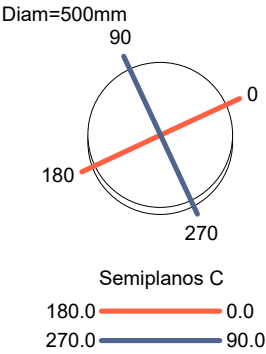


Luminaria

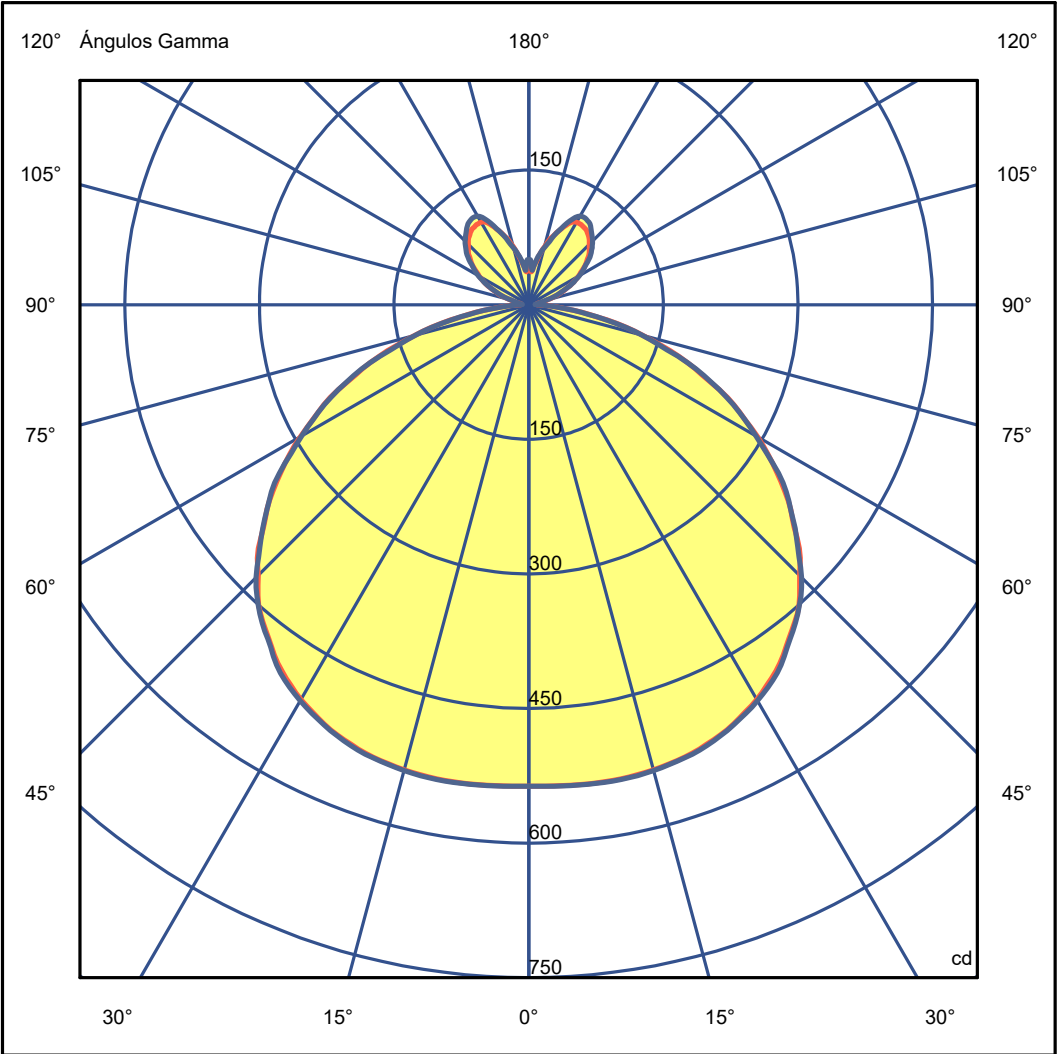
Código A628-057-2700K  
Nombre Plaff-on! 50 LED IP54  
Ensayo  
Código CL041A21F007G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2172.35 lm	Potencia Luminaria	31.54 W	Eficacia	68.88 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 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		2172.35 lm	
Operador		ASSELUM		Tensión Nominal		230.23 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.
			2172.35	31.54	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 A628-057-2700K  
Nombre Plaff-on! 50 LED IP54

## Ensayo

Código CL041A21F007G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2172.35 lm	Potencia Luminaria	31.54 W	Eficacia	68.88 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 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	536.50	536.50	536.50	536.50	536.50	536.50	536.50
G 2.5	536.84	536.83	536.82	536.83	536.88	536.95	536.98
G 5.0	537.54	537.59	537.62	537.64	537.67	537.68	537.69
G 7.5	538.12	538.21	538.30	538.37	538.38	538.37	538.39
G 10.0	538.28	538.37	538.49	538.63	538.73	538.80	538.83
G 12.5	537.80	537.92	538.08	538.23	538.41	538.53	538.58
G 15.0	536.47	536.76	537.07	537.25	537.30	537.25	537.21
G 17.5	534.63	534.64	534.76	535.05	535.23	535.37	535.42
G 20.0	531.92	531.99	531.96	531.83	532.26	532.73	532.79
G 22.5	527.37	527.46	527.75	528.10	528.40	528.60	528.67
G 25.0	522.74	522.66	522.84	523.31	523.42	523.42	523.40
G 27.5	515.46	515.79	516.36	517.16	517.14	516.86	516.69
G 30.0	507.86	507.63	507.56	507.82	508.47	509.17	509.51
G 32.5	498.23	497.94	497.99	498.47	499.40	500.35	500.79
G 35.0	487.58	487.67	488.19	488.87	489.44	489.82	489.96
G 37.5	473.99	475.17	476.69	478.21	477.45	476.00	475.22
G 40.0	461.10	461.41	462.39	463.96	463.69	462.88	462.42
G 42.5	446.57	445.88	445.42	445.48	446.20	447.10	447.54
G 45.0	426.52	426.35	427.00	428.01	428.98	429.69	429.96
G 47.5	409.93	409.74	410.13	410.17	409.26	408.01	407.38
G 50.0	386.18	387.34	388.92	389.78	389.17	387.91	387.22
G 52.5	366.24	366.34	366.84	367.20	367.04	366.63	366.40
G 55.0	342.55	341.36	340.88	341.43	343.09	344.94	345.81
G 57.5	319.13	318.85	319.40	319.84	319.48	318.76	318.36
G 60.0	294.29	294.95	296.21	296.58	295.11	292.98	291.88
G 62.5	268.28	269.11	270.68	271.47	270.46	268.69	267.76
G 65.0	244.34	242.90	241.91	241.57	241.96	242.62	242.97
G 67.5	213.67	212.73	212.80	213.53	214.57	215.51	215.92
G 70.0	188.22	187.61	188.00	188.54	188.61	188.37	188.21
G 72.5	159.35	160.64	162.26	162.52	160.39	157.45	155.97
G 75.0	131.81	132.31	133.46	133.98	133.05	131.53	130.73
G 77.5	106.73	104.66	102.78	101.98	102.80	104.28	105.07
G 80.0	77.24	76.68	76.95	77.31	77.21	76.87	76.67
G 82.5	56.38	55.68	55.59	55.55	55.13	54.58	54.30
G 85.0	33.66	34.92	36.40	36.91	35.70	33.86	32.90
G 87.5	20.30	20.03	20.05	20.11	20.01	19.83	19.74
G 90.0	11.12	10.72	10.59	10.72	11.09	11.49	11.68
G 92.5	8.46	8.21	8.00	7.82	7.67	7.55	7.51
G 95.0	8.32	8.03	7.75	7.57	7.55	7.63	7.73
G 97.5	9.46	9.33	9.10	8.90	8.81	8.82	8.83
G100.0	11.83	12.01	12.05	11.94	11.69	11.44	11.32
G102.5	16.93	17.05	16.83	16.34	15.70	15.13	14.89
G105.0	21.84	22.16	22.01	21.57	21.00	20.50	20.29
G107.5	29.39	29.11	28.51	28.07	28.28	28.69	28.63
G110.0	35.94	36.08	35.88	35.57	35.34	35.22	35.18
G112.5	42.78	43.58	44.13	44.15	43.49	42.64	42.21
G115.0	50.24	50.70	50.81	50.75	50.66	50.60	50.57
G117.5	57.39	57.51	57.41	57.31	57.38	57.54	57.62
G120.0	63.71	64.11	64.27	64.38	64.59	64.81	64.92
G122.5	69.58	70.48	71.19	71.60	71.54	71.29	71.45
G125.0	76.62	77.65	78.30	78.36	78.15	77.78	77.58
G127.5	81.73	82.66	83.33	83.77	84.33	84.78	84.96
G130.0	87.36	87.84	88.26	88.81	89.43	90.14	90.70
G132.5	91.59	92.51	93.24	93.81	94.56	95.21	95.80
G135.0	95.48	96.66	97.86	98.90	99.65	100.09	100.24
G137.5	99.66	100.67	101.65	102.59	103.45	104.10	104.36
G140.0	102.43	103.29	104.20	105.29	106.57	107.68	108.15
G142.5	104.96	105.48	106.25	107.58	109.56	111.45	112.29
G145.0	106.04	106.49	107.22	108.69	111.03	113.33	114.36
G147.5	106.70	106.81	106.77	107.42	110.39	113.67	115.23
G150.0	106.13	104.80	103.79	104.24	107.81	112.11	114.19
G152.5	103.80	101.94	100.21	99.73	102.74	106.80	109.04
G155.0	97.61	95.93	94.66	94.21	96.27	99.03	100.41
G157.5	90.55	90.03	89.23	88.84	89.32	90.16	90.61
G160.0	82.86	82.81	82.26	81.77	81.78	82.07	82.24
G162.5	76.04	75.83	74.92	73.86	73.13	72.75	72.64
G165.0	66.90	66.56	65.61	64.87	64.94	65.43	65.74
G167.5	58.57	58.33	57.70	57.39	57.86	58.66	59.08
G170.0	50.21	50.28	50.23	50.40	50.99	51.69	52.02
G172.5	43.22	44.26	45.13	45.46	45.05	44.36	43.99
G175.0	37.14	39.96	42.63	43.98	42.86	40.46	38.61
G177.5	39.30	41.21	43.45	45.68	47.59	48.91	49.41
G180.0	48.47	48.47	48.47	48.47	48.47	48.47	48.47

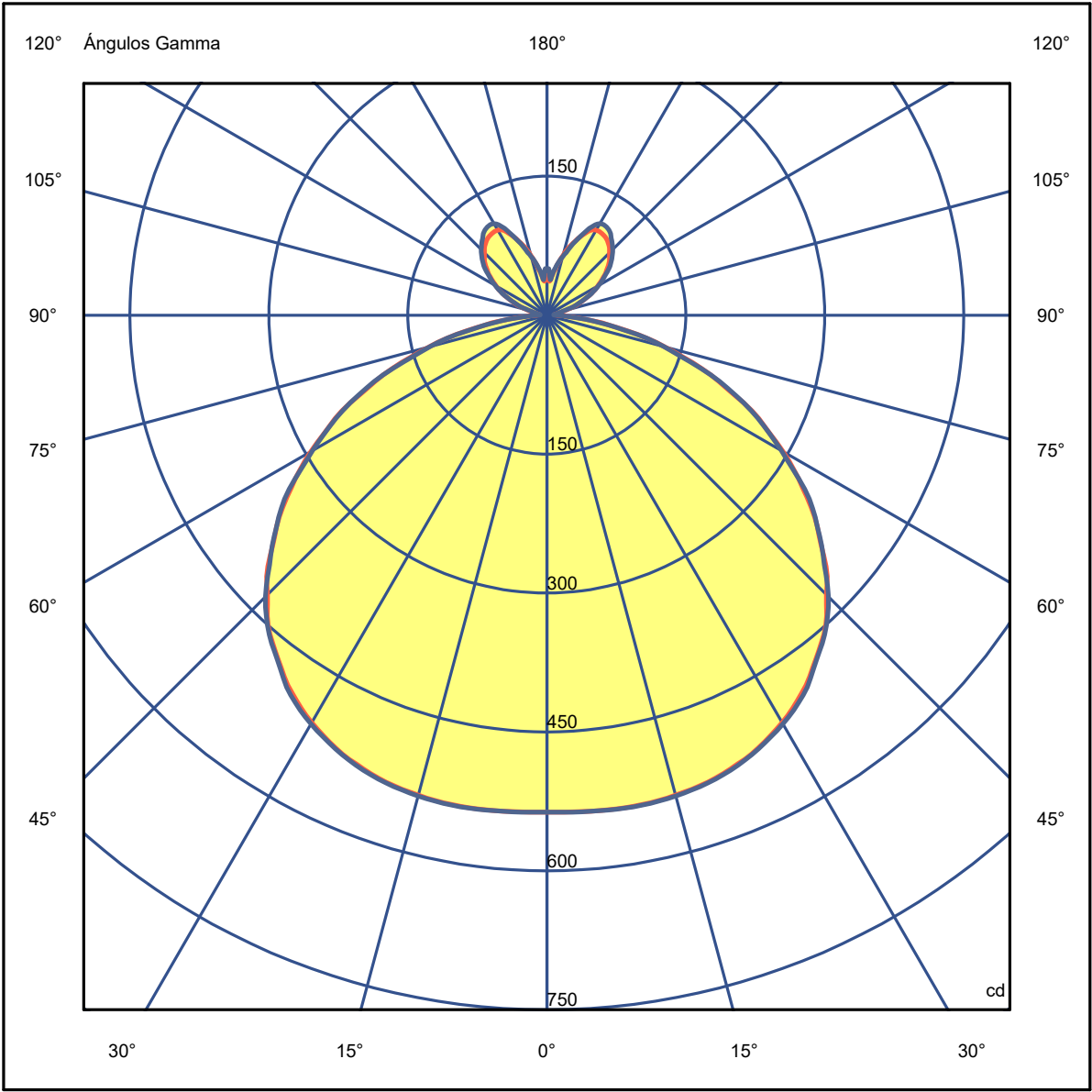
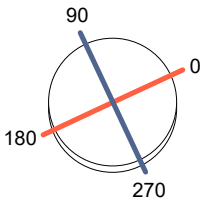
**Luminaria**  
Código A628-057-2700K  
Nombre Plaff-on! 50 LED IP54  
**Ensayo**  
Código CL041A21F007G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2172.35 lm	Potencia Luminaria	31.54 W	Eficacia	68.88 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico

Diam=500mm

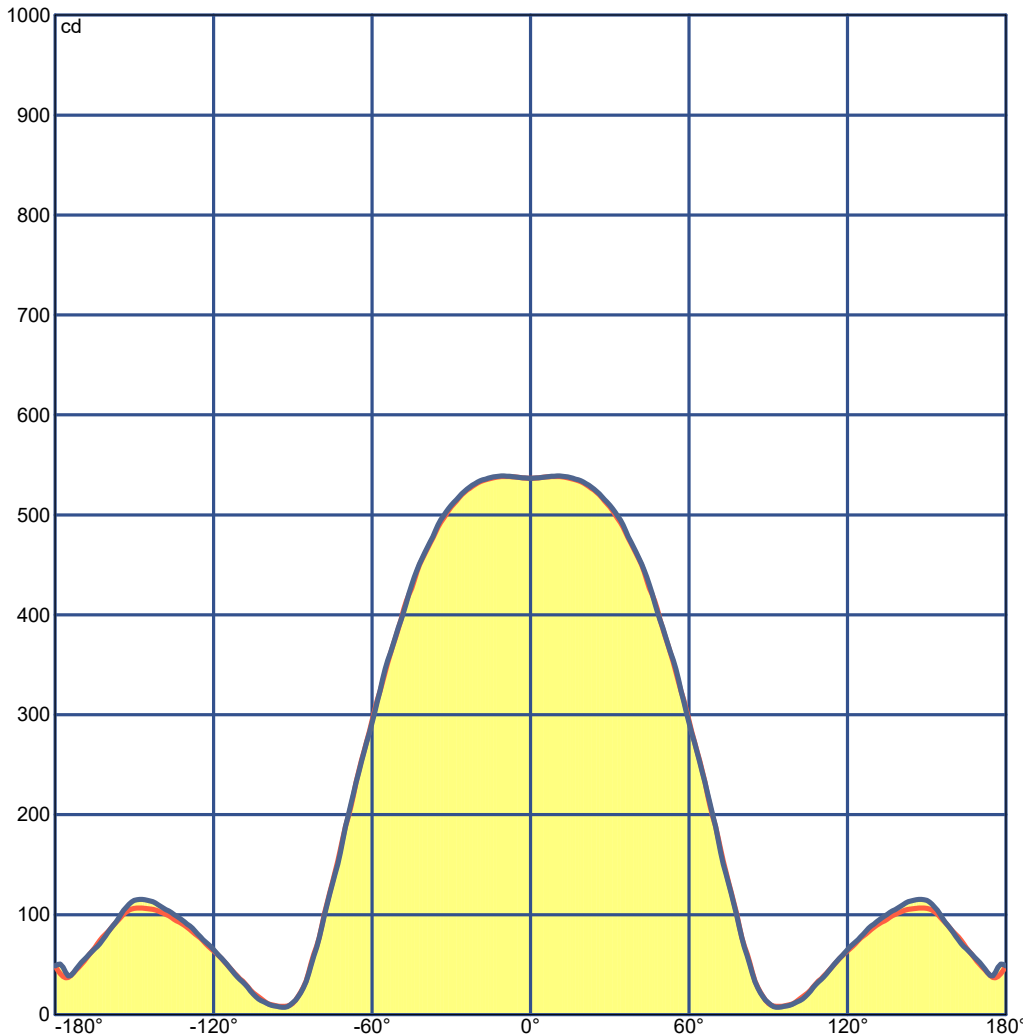
Semiplanos C

180.0 0.0  
270.0 90.0



**Luminaria**  
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## Luminaria

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## Ensayo

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Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 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	16.9	18.0	17.4	18.5	19.1	16.9	18.0	17.4	18.5	19.1
x=2H y=3H	18.5	19.5	19.0	20.0	20.6	18.5	19.5	19.0	20.0	20.6
x=2H y=4H	19.1	20.0	19.6	20.6	21.2	19.1	20.0	19.6	20.6	21.2
x=2H y=6H	19.5	20.4	20.1	21.0	21.6	19.5	20.4	20.1	20.9	21.6
x=2H y=8H	19.6	20.4	20.2	21.0	21.7	19.6	20.4	20.2	21.0	21.7
x=2H y=12H	19.7	20.5	20.3	21.1	21.7	19.6	20.4	20.2	21.0	21.7
x=4H y=2H	17.5	18.5	18.1	19.0	19.7	17.5	18.5	18.1	19.0	19.7
x=4H y=3H	19.3	20.1	19.9	20.7	21.4	19.3	20.1	19.9	20.7	21.4
x=4H y=4H	20.0	20.7	20.6	21.3	22.0	20.0	20.7	20.6	21.3	22.0
x=4H y=6H	20.5	21.1	21.2	21.8	22.5	20.5	21.1	21.2	21.8	22.5
x=4H y=8H	20.7	21.2	21.4	21.9	22.7	20.7	21.2	21.3	21.9	22.6
x=4H y=12H	20.8	21.3	21.5	22.0	22.7	20.8	21.3	21.4	21.9	22.7
x=8H y=4H	20.3	20.8	20.9	21.5	22.2	20.2	20.8	20.9	21.5	22.2
x=8H y=6H	20.9	21.4	21.6	22.0	22.8	20.9	21.3	21.6	22.0	22.8
x=8H y=8H	21.1	21.5	21.8	22.2	23.0	21.1	21.5	21.8	22.2	23.0
x=8H y=12H	21.3	21.6	22.0	22.4	23.2	21.2	21.6	22.0	22.3	23.2
x=12H y=4H	20.6	21.1	21.3	21.8	22.6	20.6	21.1	21.3	21.8	22.6
x=12H y=6H	21.2	21.6	21.9	22.3	23.1	21.2	21.6	21.9	22.3	23.1
x=12H y=8H	21.5	21.8	22.2	22.5	23.4	21.4	21.8	22.2	22.5	23.4

## Luminaria

Código A628-057-2700K  
Nombre Plaff-on! 50 LED IP54

## Ensayo

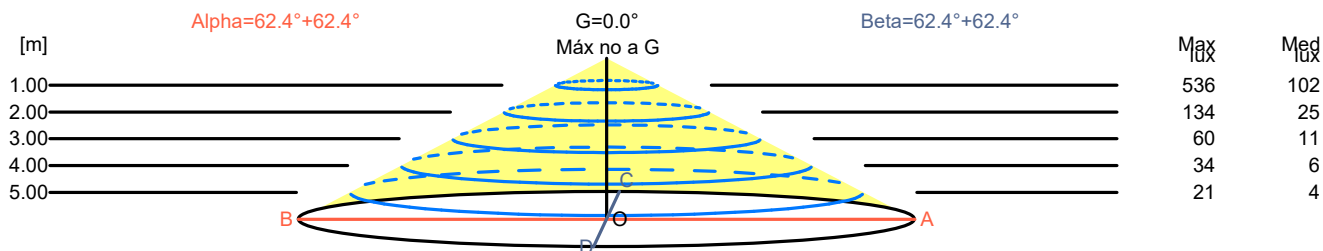
Código CL041A21F007G  
Nombre Plaff-on! 50 LED IP54

Flujo Luminaria	2172.35 lm	Potencia Luminaria	31.54 W	Eficacia	68.88 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 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	536.50	537.54	536.47	522.74	487.58	426.52	342.55	244.34	131.81	33.66
OB	536.50	537.54	536.47	522.74	487.58	426.52	342.55	244.34	131.81	33.66
OC	536.50	537.69	537.21	523.40	489.96	429.96	345.81	242.97	130.73	32.90
OD	536.50	537.69	537.21	523.40	489.96	429.96	345.81	242.97	130.73	32.90



H[m]	D[m]	Max lux	Med lux	Alpha=62.4°+62.4°	G=0.0 Máx no a G
1.00	3.83	536	102		
2.00	7.66	134	25		
3.00	11.49	60	11		
4.00	15.32	34	6		
5.00	19.15	21	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	536	102		
2.00	7.64	134	25		
3.00	11.45	60	11		
4.00	15.27	34	6		
5.00	19.09	21	4		

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Flujo Total=2172.35 Flujo Luminaria=2172.35

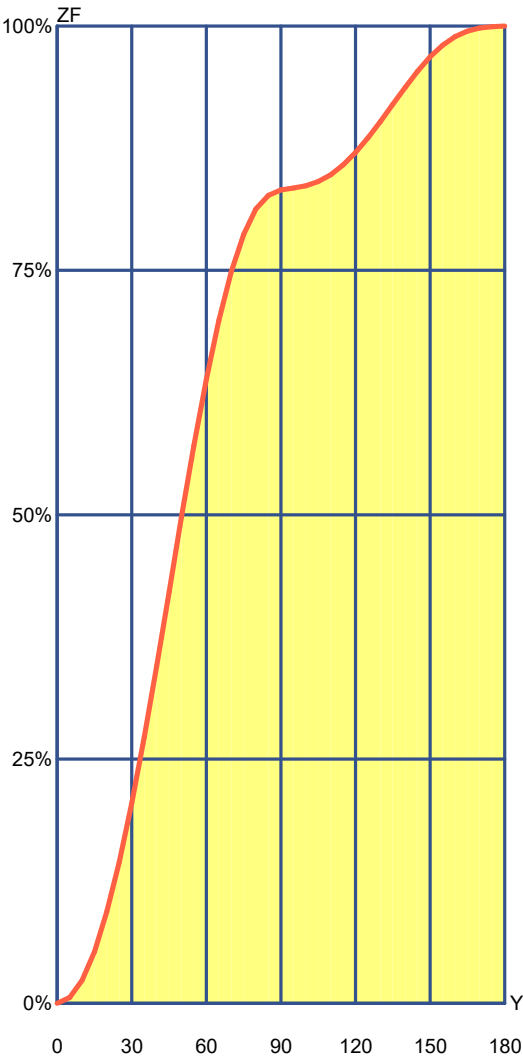
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.37	0.44	0.52	0.57	0.66	0.72	0.76	0.82	0.85	0.92	0.96
RC	6	5	5	5	5	5	5	5	5	5	5	5

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 %

**Luminaria**  
Código A628-057-2700K  
Nombre Plaff-on! 50 LED IP54  
**Ensayo**  
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Flujo Fuentes de luz	2172.35 lm	Valor Máximo	538.83 cd	Posición	C=90.00 G=10.00	CG	Bisimétrico

Isolux (Suelo)

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

