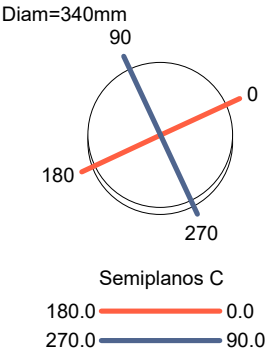


Luminaria

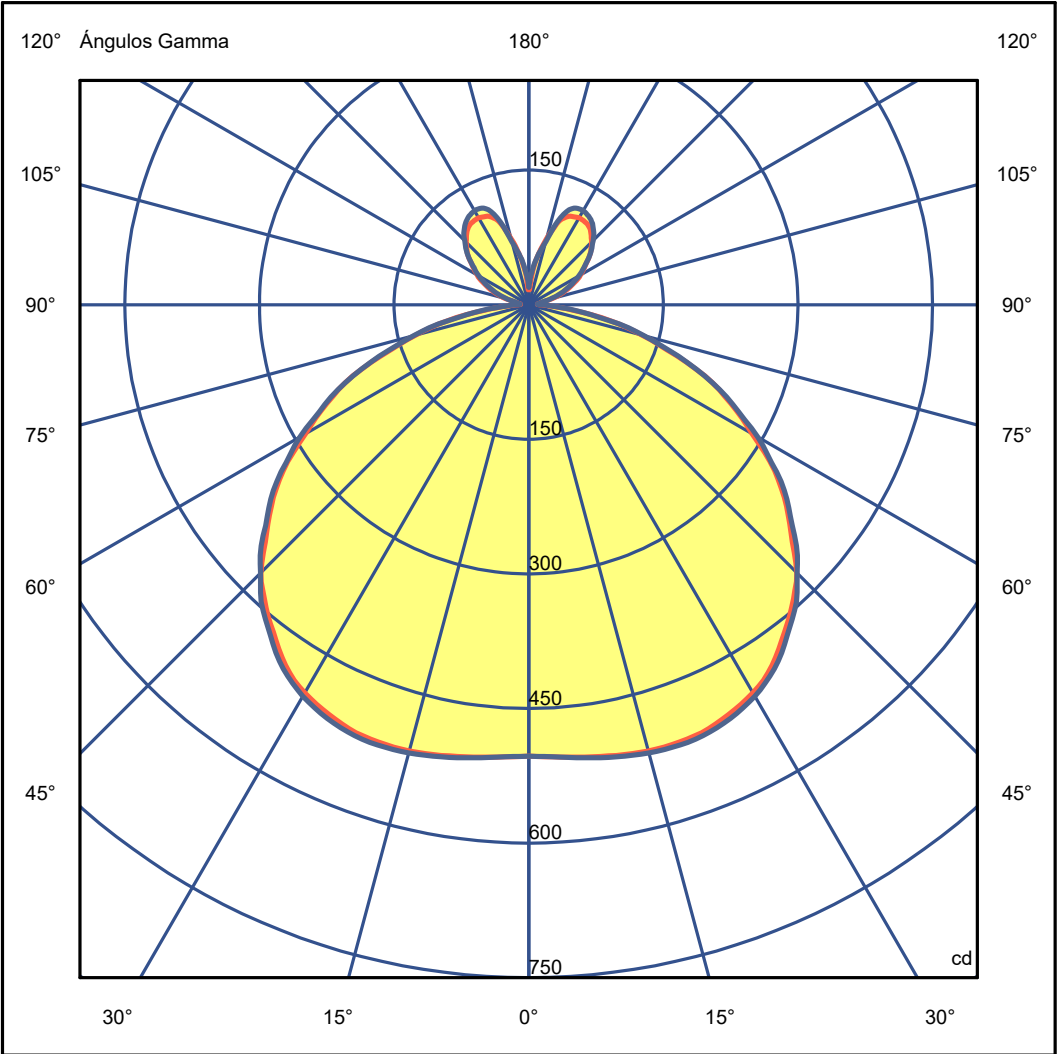
Código A628-054 -4000K  
Nombre Plaff-on! 33 LED IP54  
Ensayo  
Código CL041A21F020G  
Nombre Plaff-on! 33 LED IP54

Flujo Luminaria	2176.23 lm	Potencia Luminaria	24.90 W	Eficacia	87.40 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	CG	Bisimétrico
Luminaria Redonda		Diam.	340 mm	Altura	120 mm		
Área Luminosa Redonda		Diam.	270 mm	Altura	10 mm		
Área Luminosa Horizontal		0.057256 m2		Área Emisión sobre Pl. 180°		0.002700 m2	
Área Emisión sobre Pl. 0°		0.002700 m2		Área Emisión sobre Pl. 270°		0.002700 m2	
Área Emisión sobre Pl. 90°		0.002700 m2		Área de deslumbramiento a 76°		0.016471 m2	
Sist. de Coordn.		CG		Tipo de Simetría		Bisimétrico	
Fecha		12-02-2021		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		2176.23 lm	
Operador		ASSELUM		Tensión Nominal		230.20 V	
Temperatura		25.00 °C		Corriente Nominal		0.11 A	
Humedad		30.20 %		Fotocélula		Prc	
Notas		RM21020309.6					

Fuentes de luz de la Luminaria						
Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.	
			2176.23	24.90	1	
C.I.E.	44 76 95 82 100					D DIN 5040
F UTE	0.82 E + 0.18 T					B NBN
			B31			BZ 5



ULOR 18.02 %  
DLOR 81.98 %  
RN 18.02 %



## Luminaria

Código A628-054 -4000K  
Nombre Plaff-on! 33 LED IP54

## Ensayo

Código CL041A21F020G  
Nombre Plaff-on! 33 LED IP54

Flujo Luminaria	2176.23 lm	Potencia Luminaria	24.90 W	Eficacia	87.40 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	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	502.88	502.88	502.88	502.88	502.88	502.88	502.88
G 2.5	504.14	504.08	503.89	503.76	503.81	503.95	504.03
G 5.0	506.07	506.27	506.30	506.27	506.30	506.35	506.38
G 7.5	508.17	508.73	509.02	508.91	509.06	509.15	509.01
G 10.0	510.50	511.00	511.45	511.79	511.99	512.23	512.23
G 12.5	512.96	513.50	514.06	514.48	514.70	514.74	514.65
G 15.0	514.62	515.16	515.74	516.26	516.64	516.88	516.95
G 17.5	515.45	516.12	516.90	517.59	518.02	518.23	518.28
G 20.0	515.20	515.98	517.03	517.98	518.53	518.74	518.78
G 22.5	513.67	514.51	515.70	516.77	517.36	517.57	517.60
G 25.0	509.54	510.66	512.41	513.91	514.52	514.52	514.41
G 27.5	505.08	506.13	507.94	509.49	510.04	509.93	509.76
G 30.0	499.26	500.43	502.45	504.06	504.37	503.90	503.54
G 32.5	491.37	492.41	494.34	495.89	496.12	495.60	495.22
G 35.0	479.43	480.49	482.56	484.81	485.29	484.99	484.72
G 37.5	465.37	466.63	469.53	472.39	472.47	471.35	470.63
G 40.0	452.31	452.57	454.81	457.56	457.59	456.57	456.76
G 42.5	437.70	437.68	439.66	442.37	442.87	442.46	442.11
G 45.0	422.27	422.45	423.87	424.92	424.46	423.27	422.60
G 47.5	399.58	400.19	402.02	404.03	405.16	405.59	405.66
G 50.0	379.61	379.03	380.69	383.38	383.81	383.38	383.02
G 52.5	360.27	359.19	360.50	363.15	363.89	363.89	363.75
G 55.0	339.42	337.77	338.05	340.17	341.49	342.55	342.98
G 57.5	315.03	314.75	315.39	317.22	317.63	317.66	317.61
G 60.0	287.04	287.17	289.28	291.82	293.55	294.41	294.64
G 62.5	264.59	262.84	263.84	266.60	267.28	267.24	267.09
G 65.0	240.93	239.01	239.88	242.62	243.36	243.42	243.33
G 67.5	217.19	214.34	213.64	215.08	215.81	216.49	216.79
G 70.0	186.78	185.87	185.65	186.79	187.51	188.15	188.42
G 72.5	156.45	155.71	157.45	160.41	160.43	159.48	158.87
G 75.0	131.53	129.25	129.82	132.36	132.83	132.70	132.52
G 77.5	106.50	103.99	103.97	106.23	107.56	108.62	109.05
G 80.0	82.38	80.09	79.65	80.70	80.27	79.64	79.32
G 82.5	54.21	53.16	53.84	55.92	57.31	58.34	58.74
G 85.0	35.62	34.75	35.42	37.07	37.21	36.90	36.67
G 87.5	21.71	20.58	20.71	21.92	22.71	23.33	23.58
G 90.0	13.81	13.17	12.73	12.68	13.68	14.87	15.44
G 92.5	9.71	9.70	9.74	9.81	10.08	10.36	10.48
G 95.0	9.81	9.46	9.06	8.89	9.13	9.53	9.80
G 97.5	11.25	10.89	10.31	9.96	10.05	10.40	10.79
G100.0	14.49	14.23	13.48	12.72	12.85	13.28	13.35
G102.5	18.97	19.26	19.11	18.72	18.24	17.85	17.68
G105.0	26.67	26.95	26.83	26.13	25.44	24.73	23.95
G107.5	34.47	34.57	34.06	33.30	32.62	32.13	31.95
G110.0	40.89	41.36	41.11	40.35	39.36	38.48	38.10
G112.5	47.39	47.73	47.42	46.64	45.63	44.74	44.35
G115.0	53.91	54.20	53.98	53.30	52.57	51.93	51.65
G117.5	60.90	61.29	61.10	60.32	59.26	57.91	57.24
G120.0	66.38	66.97	67.04	66.59	65.71	64.81	64.40
G122.5	71.66	72.59	73.04	72.83	71.92	70.87	70.36
G125.0	77.06	78.46	79.54	79.68	78.56	77.04	76.27
G127.5	83.51	84.67	85.75	86.06	85.19	83.90	83.24
G130.0	89.51	90.96	92.19	92.57	91.78	90.56	89.93
G132.5	94.15	96.16	98.01	99.16	98.20	96.56	95.69
G135.0	98.73	101.16	103.43	104.48	103.64	102.02	101.14
G137.5	102.86	105.53	108.23	109.73	109.29	107.95	107.17
G140.0	107.24	109.93	112.78	114.42	113.95	112.49	111.64
G142.5	110.03	112.86	115.92	117.82	117.70	116.65	115.71
G145.0	111.43	114.71	118.33	120.62	120.51	119.18	118.34
G147.5	111.95	115.40	119.36	122.01	121.78	120.79	120.04
G150.0	111.93	115.30	119.19	121.95	122.15	121.68	121.10
G152.5	110.54	113.48	116.94	119.68	120.53	120.85	120.71
G155.0	108.91	109.96	111.54	113.59	115.78	117.97	118.83
G157.5	105.24	103.70	102.94	104.09	107.47	111.59	113.63
G160.0	99.49	95.79	93.07	93.12	96.59	101.18	103.47
G162.5	88.10	86.18	84.26	83.64	85.08	87.28	88.42
G165.0	76.03	75.90	75.42	74.69	73.65	72.82	72.87
G167.5	65.27	64.93	64.22	63.53	63.19	63.10	63.10
G170.0	54.77	54.12	53.30	52.93	53.42	54.26	54.70
G172.5	43.16	43.08	42.77	42.92	43.97	45.27	45.91
G175.0	30.47	31.06	31.68	32.58	33.58	34.58	35.68
G177.5	17.48	17.98	19.21	21.23	23.65	25.81	27.42
G180.0	19.61	19.61	19.61	19.61	19.61	19.61	19.61

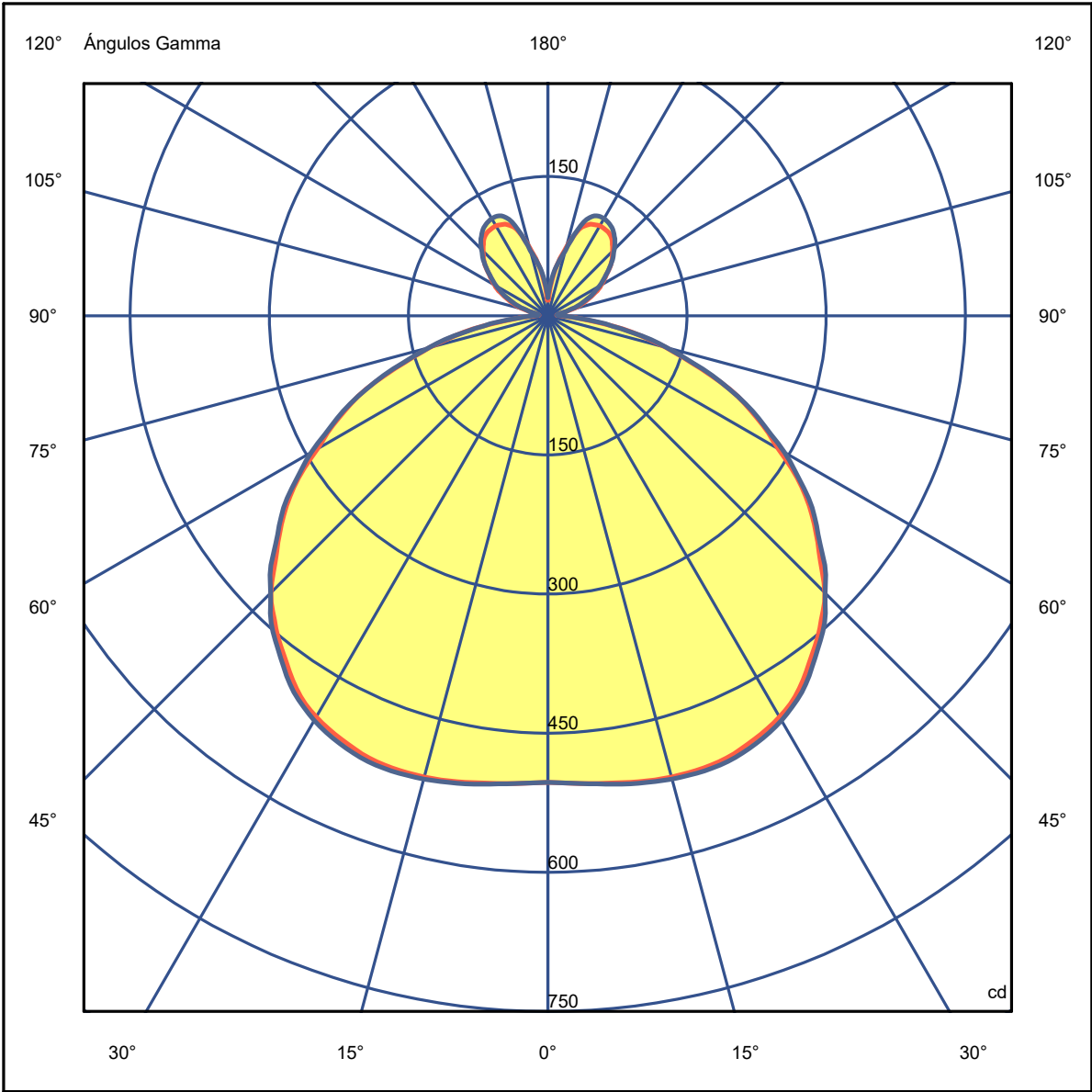
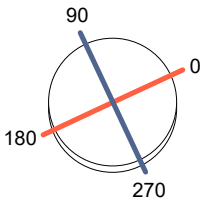
**Luminaria**  
Código A628-054 -4000K  
Nombre Plaff-on! 33 LED IP54  
**Ensayo**  
Código CL041A21F020G  
Nombre Plaff-on! 33 LED IP54

Flujo Luminaria	2176.23 lm	Potencia Luminaria	24.90 W	Eficacia	87.40 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	CG	Bisimétrico

Diam=340mm

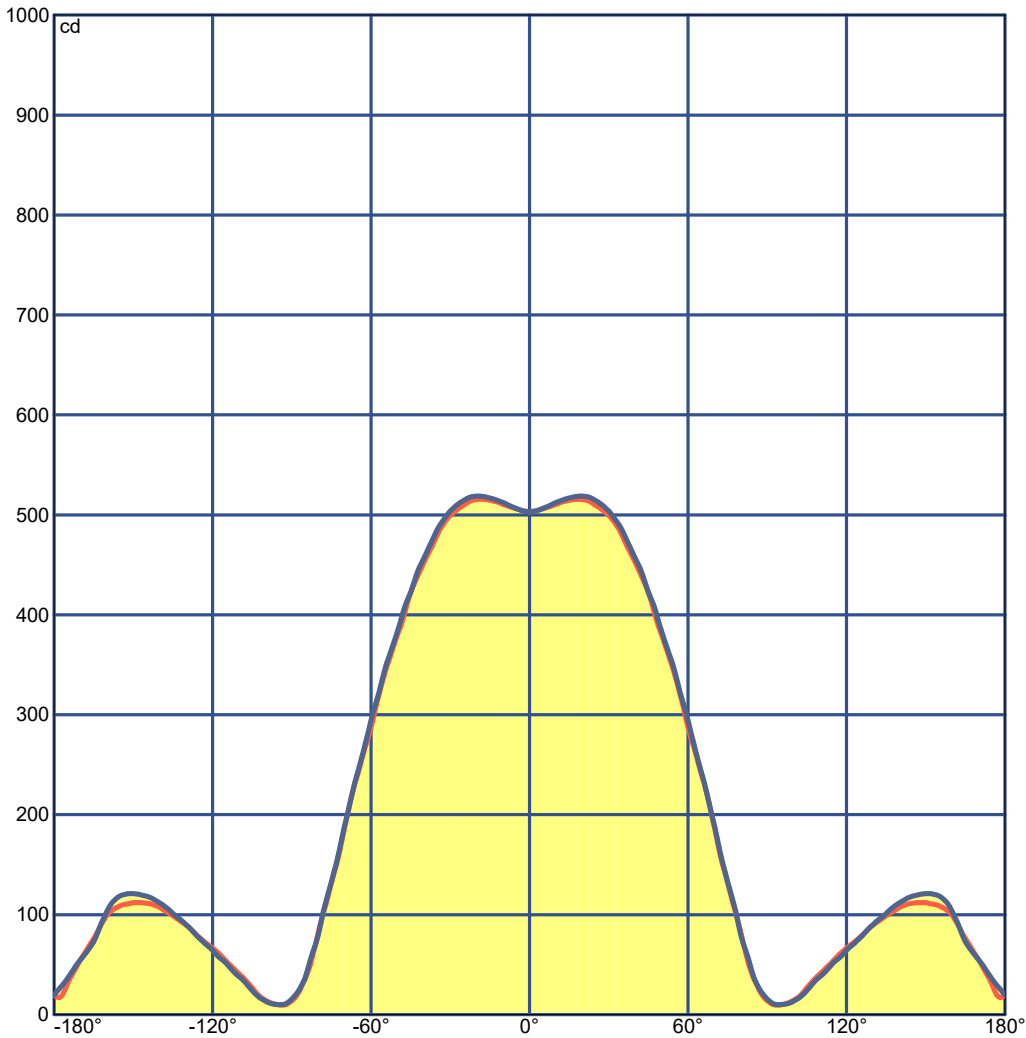
Semiplanos C

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	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	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	19.6	20.7	20.1	21.2	21.8	19.6	20.8	20.2	21.3	21.9
x=2H y=3H	21.1	22.2	21.7	22.7	23.3	21.2	22.2	21.8	22.8	23.4
x=2H y=4H	21.7	22.7	22.3	23.2	23.9	21.8	22.8	22.4	23.3	24.0
x=2H y=6H	22.1	23.0	22.8	23.6	24.3	22.2	23.1	22.8	23.7	24.4
x=2H y=8H	22.3	23.1	22.9	23.7	24.4	22.4	23.2	23.0	23.8	24.5
x=2H y=12H	22.3	23.1	22.9	23.7	24.4	22.4	23.2	23.0	23.8	24.5
x=4H y=2H	20.2	21.2	20.8	21.7	22.4	20.3	21.2	20.9	21.8	22.4
x=4H y=3H	21.9	22.7	22.6	23.4	24.1	22.0	22.8	22.6	23.4	24.1
x=4H y=4H	22.6	23.4	23.3	24.0	24.7	22.7	23.4	23.4	24.1	24.8
x=4H y=6H	23.2	23.8	23.8	24.4	25.2	23.3	23.9	23.9	24.5	25.3
x=4H y=8H	23.3	23.9	24.0	24.6	25.3	23.4	24.0	24.1	24.7	25.5
x=4H y=12H	23.4	23.9	24.1	24.6	25.4	23.5	24.1	24.2	24.7	25.5
x=8H y=4H	22.9	23.5	23.6	24.1	24.9	23.0	23.6	23.7	24.2	25.0
x=8H y=6H	23.5	24.0	24.3	24.7	25.5	23.6	24.1	24.4	24.8	25.6
x=8H y=8H	23.8	24.2	24.5	24.9	25.7	23.9	24.3	24.6	25.0	25.8
x=8H y=12H	23.9	24.3	24.6	25.0	25.8	24.0	24.4	24.8	25.1	26.0
x=12H y=4H	23.3	23.8	24.0	24.5	25.3	23.4	23.9	24.0	24.6	25.3
x=12H y=6H	23.9	24.3	24.6	25.0	25.9	24.0	24.4	24.7	25.1	25.9
x=12H y=8H	24.1	24.5	24.9	25.2	26.1	24.2	24.6	25.0	25.3	26.2

## Luminaria

Código A628-054 -4000K  
Nombre Plaff-on! 33 LED IP54

## Ensayo

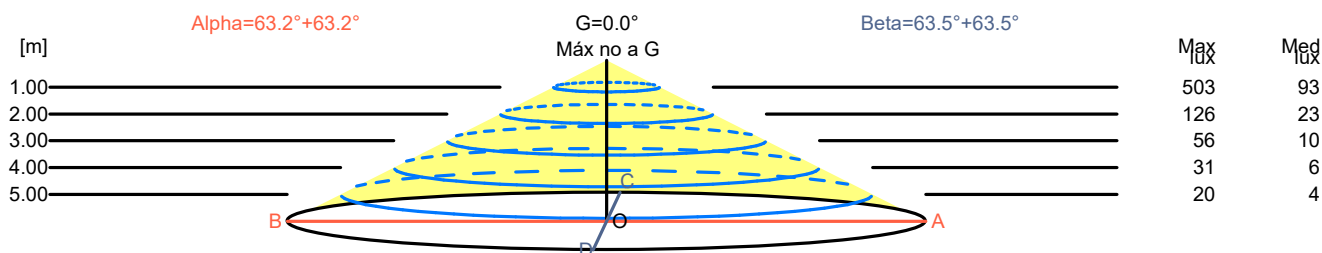
Código CL041A21F020G  
Nombre Plaff-on! 33 LED IP54

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Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	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	1.98	3.97	5.95	7.93	9.91	OC	2.00	4.00	6.01	8.01	10.01
OB	1.98	3.97	5.95	7.93	9.91	OD	2.00	4.00	6.01	8.01	10.01

	0	5	15	25	35	45	55	65	75	85
OA	502.88	506.07	514.62	509.54	479.43	422.27	339.42	240.93	131.53	35.62
OB	502.88	506.07	514.62	509.54	479.43	422.27	339.42	240.93	131.53	35.62
OC	502.88	506.38	516.95	514.41	484.72	422.60	342.98	243.33	132.52	36.67
OD	502.88	506.38	516.95	514.41	484.72	422.60	342.98	243.33	132.52	36.67



H[m]	D[m]	Max lux	Med lux	Alpha=63.2°+63.2°	G=0.0 Máx no a G
1.00	3.97	503	93		
2.00	7.93	126	23		
3.00	11.90	56	10		
4.00	15.86	31	6		
5.00	19.83	20	4		

H[m]	D[m]	Max lux	Med lux	Beta=63.5°+63.5°	G=0.0 Máx no a G
1.00	4.00	503	93		
2.00	8.01	126	23		
3.00	12.01	56	10		
4.00	16.02	31	6		
5.00	20.02	20	4		

**Luminaria**  
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Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	CG Bisimétrico	

Flujo Total=2176.23 Flujo Luminaria=2176.23

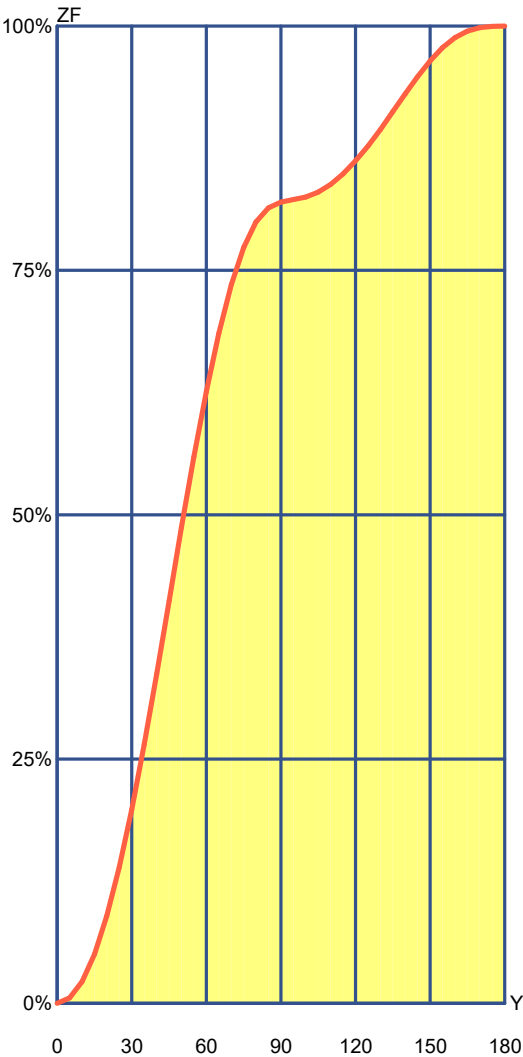
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.36	0.44	0.51	0.57	0.66	0.72	0.76	0.81	0.85	0.92	0.96
RC	6	6	5	5	5	5	5	5	5	5	5	5

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)	22	89	198	337	487	626	735	800	820	825	838	862	894	931	964	988	998	1000

Códigos de Flujo C.I.E.  
44 76 95 82 100

C.I.E.	6/6/5/5/5/5/5/5/5/5	LOR	100.00000 %
D DIN 5040	B31	ULOR	18.01806 %
F UTE	0.82 E + 0.18 T	DLOR	81.98194 %
B NBN	BZ 5	UFF	18.01806 %
RN	18.01806 %	DFF	81.98194 %
BLF	1.0	FFR	21.97808 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	5.54	5.54	0.55 %	0.55 %
10°	16.74	22.28	1.67 %	2.23 %
15°	28.03	50.31	2.80 %	5.03 %
20°	39.16	89.48	3.92 %	8.95 %
25°	49.71	139.18	4.97 %	13.92 %
30°	59.09	198.28	5.91 %	19.83 %
35°	66.81	265.09	6.68 %	26.51 %
40°	72.00	337.09	7.20 %	33.71 %
45°	74.87	411.96	7.49 %	41.20 %
50°	74.80	486.76	7.48 %	48.68 %
55°	72.22	558.98	7.22 %	55.90 %
60°	67.11	626.09	6.71 %	62.61 %
65°	59.40	685.50	5.94 %	68.55 %
70°	49.97	735.47	5.00 %	73.55 %
75°	38.14	773.61	3.81 %	77.36 %
80°	26.08	799.68	2.61 %	79.97 %
85°	14.23	813.92	1.42 %	81.39 %
90°	5.90	819.82	0.59 %	81.98 %
95°	2.70	822.52	0.27 %	82.25 %
100°	2.72	825.24	0.27 %	82.52 %
105°	4.70	829.94	0.47 %	82.99 %
110°	7.95	837.89	0.80 %	83.79 %
115°	10.80	848.69	1.08 %	84.87 %
120°	13.33	862.03	1.33 %	86.20 %
125°	15.31	877.34	1.53 %	87.73 %
130°	16.94	894.28	1.69 %	89.43 %
135°	18.01	912.28	1.80 %	91.23 %
140°	18.28	930.56	1.83 %	93.06 %
145°	17.68	948.24	1.77 %	94.82 %
150°	16.10	964.35	1.61 %	96.43 %
155°	13.64	977.99	1.36 %	97.80 %
160°	10.23	988.22	1.02 %	98.82 %
165°	6.52	994.74	0.65 %	99.47 %
170°	3.52	998.26	0.35 %	99.83 %
175°	1.46	999.72	0.15 %	99.97 %
180°	0.28	1000.00	0.03 %	100.00 %

**Luminaria**  
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**Ensayo**  
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Flujo Fuentes de luz	2176.23 lm	Valor Máximo	518.78 cd	Posición	C=90.00 G=20.00	CG	Bisimétrico

Isolux (Suelo)

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

