

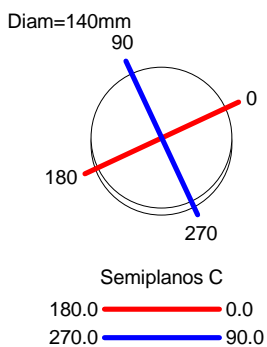
Luminaria

Código A680-001
 Nombre BICOCA OFF-WHITE
Ensayo
 Código CL041A18F009G
 Nombre BICOCA OFF-WHITE

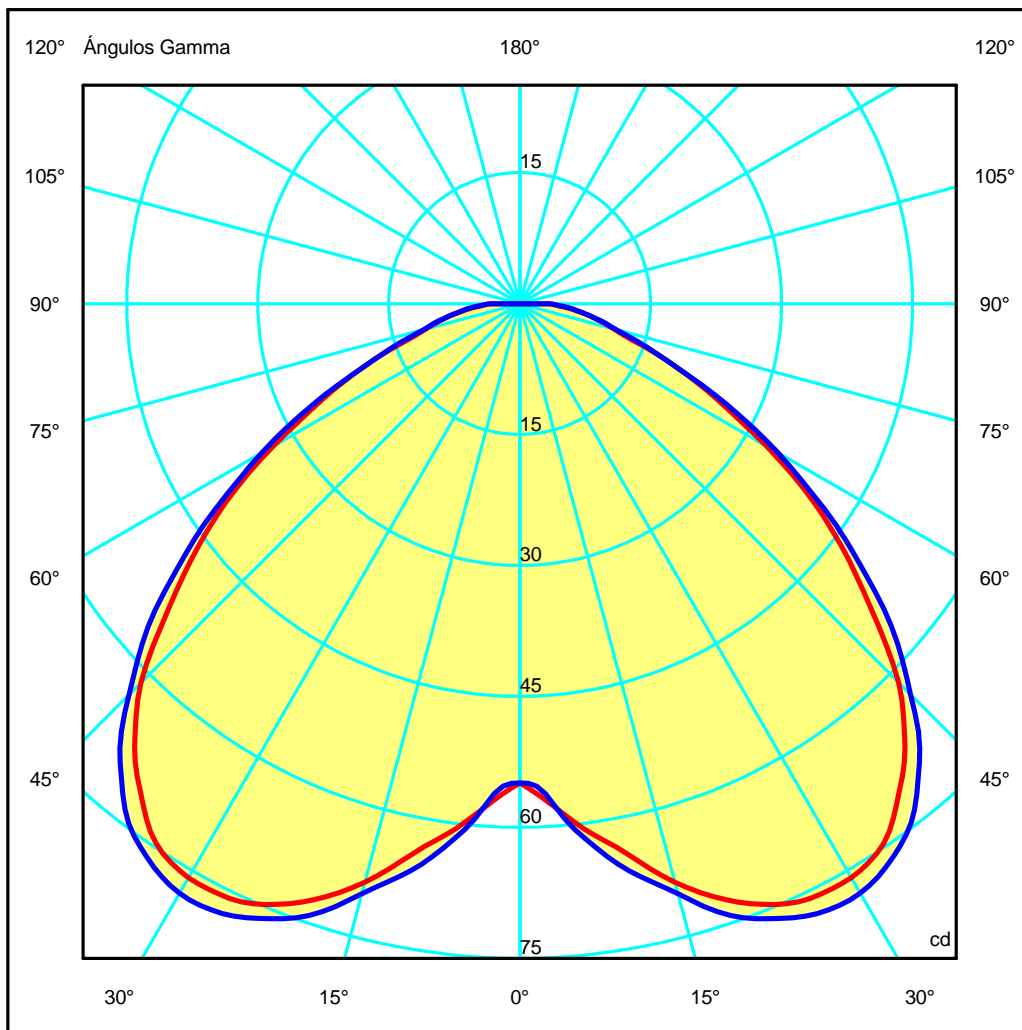
Flujo Luminaria	241.18 lm	Potencia luminaria	9.61 W	Eficacia	25.10 lm/W	Eficiencia	100.00%
Flujo de Lámpara	241.18 lm	Valor Máximo	80.34 cd	Posición	C=75.00 G=30.00	CG	Bisimétrico
Luminaria Redonda Área Luminosa Redonda		Diam. Diam.	140 mm 140 mm	Altura Altura	230 mm 0 mm		
Área Luminosa Horizontal Área Emisión sobre Pl. 0° Área Emisión sobre Pl. 90°		0.015394 m2 0.000000 m2 0.000000 m2		Área Emisión sobre Pl. 180° Área Emisión sobre Pl. 270° Área de deslumbramiento a 76°		0.000000 m2 0.000000 m2 0.003724 m2	
Sist. de Coorden. Fecha Distancia de Ensayo		CG 21-12-2018 6.44		Tipo de Simetría Máximo Ángulo Gamma Flujo de Ensayo		Bisimétrico 90 241.18 lm	
Operador Temperatura Humedad Notas		Asselum T2 24.70 °C 27.20 % RM1821701.4		Tensión de alimentación [V] Corriente de alimentación [A] Fotocélula		230.29 V 0.10 A Prc	

Lámparas de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	A680-001	BICOCA OFF-WHITE	241.18	9.61	1
C.I.E.	48 82 95 100 100	D DIN 5040	A30		
F UTE	1.00 E	B NBN	BZ 4		



ULOR 0.00 %
 DLOR 100.00 %
 RN 0.00 %



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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	54.90	54.90	54.90	54.90	54.90	54.90	54.90
G 2.5	56.55	56.67	56.29	57.05	56.05	57.31	55.69
G 5.0	58.76	60.19	59.46	60.49	59.23	61.09	59.25
G 7.5	61.08	63.02	62.50	63.64	62.19	64.59	62.37
G 10.0	63.18	65.27	64.95	65.95	64.85	66.70	65.23
G 12.5	65.86	67.43	67.24	68.31	67.45	69.14	67.61
G 15.0	68.61	70.59	69.71	71.35	70.01	72.09	69.99
G 17.5	70.96	73.33	72.56	73.86	72.49	75.10	72.74
G 20.0	72.94	75.54	74.89	75.89	74.46	77.39	74.87
G 22.5	74.50	77.08	76.33	77.48	76.13	78.88	76.23
G 25.0	75.60	77.80	77.20	78.61	77.22	79.88	77.42
G 27.5	75.95	78.19	77.71	79.03	77.67	80.28	77.99
G 30.0	75.92	78.12	77.80	79.06	77.62	80.34	77.98
G 32.5	75.29	77.53	77.13	78.56	77.07	79.73	77.21
G 35.0	73.80	76.08	75.82	77.21	75.88	78.38	75.88
G 37.5	71.18	73.95	73.93	74.87	73.67	76.09	74.01
G 40.0	68.55	70.84	70.93	72.00	70.82	73.15	70.99
G 42.5	65.14	67.46	67.33	68.65	67.67	69.52	67.75
G 45.0	61.36	63.10	63.18	64.80	63.53	65.42	63.30
G 47.5	56.38	58.55	58.95	59.67	58.66	60.46	59.07
G 50.0	51.49	53.55	54.47	54.30	53.74	55.61	54.47
G 52.5	46.99	48.59	49.18	49.60	48.99	50.51	49.12
G 55.0	42.43	43.87	43.96	44.84	44.29	45.15	44.24
G 57.5	37.67	38.47	38.86	39.70	39.08	40.23	38.87
G 60.0	32.60	33.77	34.20	34.11	33.71	34.73	34.13
G 62.5	27.78	28.78	29.55	29.31	28.94	30.00	29.23
G 65.0	23.76	24.42	24.65	25.08	24.74	25.23	24.58
G 67.5	20.00	20.38	20.35	21.08	20.63	20.76	20.01
G 70.0	16.44	16.59	16.83	17.25	17.01	17.11	16.64
G 72.5	13.02	13.81	14.02	13.83	13.73	13.87	13.85
G 75.0	11.12	11.39	11.70	11.55	11.47	11.81	11.35
G 77.5	9.56	9.85	9.80	10.00	9.81	10.11	9.81
G 80.0	8.22	8.35	8.25	8.55	8.37	8.48	8.20
G 82.5	6.74	6.90	6.91	7.05	6.91	7.03	6.91
G 85.0	5.37	5.59	5.71	5.64	5.59	5.77	5.69
G 87.5	4.18	4.28	4.29	4.36	4.31	4.45	4.32
G 90.0	3.36	3.43	3.39	3.48	3.44	3.53	3.43

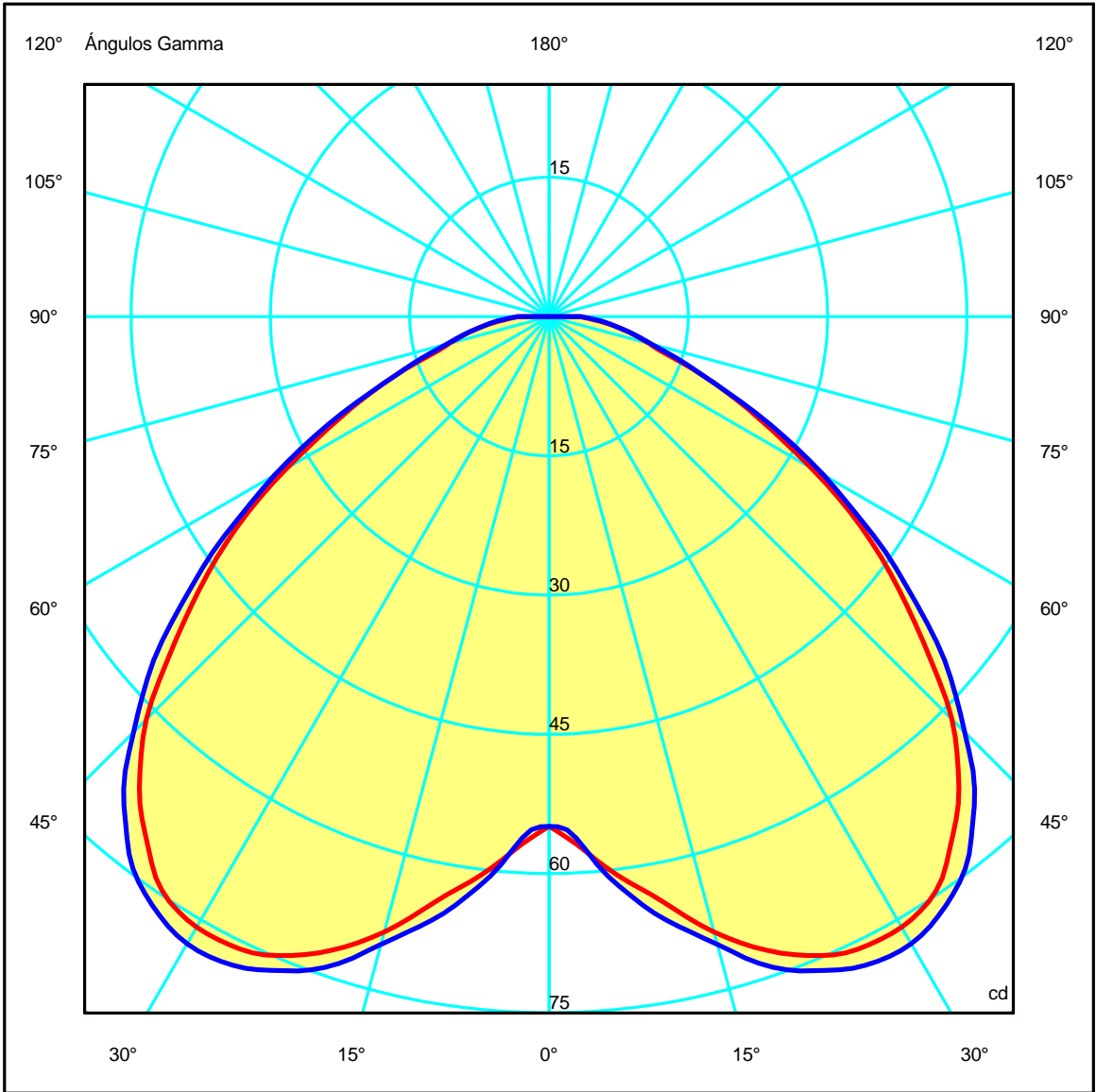
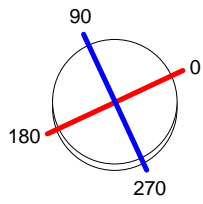
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Flujo de Lámpara	241.18 lm	Valor Máximo	80.34 cd	Posición	C=75.00 G=30.00	CG	Bisimétrico

Diam=140mm

Semiplanos C

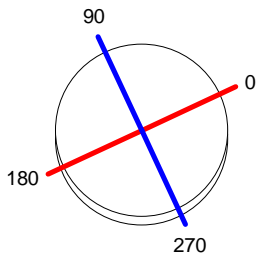
180.0 ——— 0.0
 270.0 ——— 90.0



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Diam=140mm



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180.0 ——— 0.0
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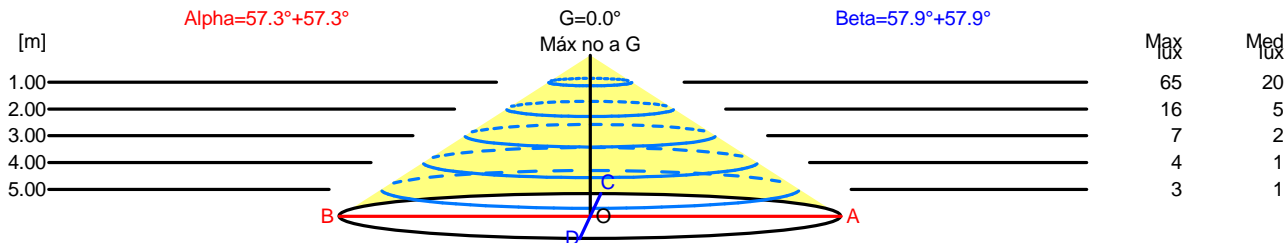
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Apertura a 50.00 % de Max Intensidad

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	1.56	3.12	4.68	6.24	7.80	OC	1.60	3.19	4.79	6.39	7.98
OB	1.56	3.12	4.68	6.24	7.80	OD	1.60	3.19	4.79	6.39	7.98

		Intensidades Luminosas [cd]									
		0	5	15	25	35	45	55	65	75	85
OA	54.90	54.90	58.76	68.61	75.60	73.80	61.36	42.43	23.76	11.12	5.37
OB	54.90	54.90	58.76	68.61	75.60	73.80	61.36	42.43	23.76	11.12	5.37
OC	54.90	59.25	59.25	69.99	77.42	75.88	63.30	44.24	24.58	11.35	5.69
OD	54.90	59.25	59.25	69.99	77.42	75.88	63.30	44.24	24.58	11.35	5.69



H[m]	D[m]	Max lux	Med lux	Alpha=57.3°+57.3°	G=0.0 Máx no a G
1.00	3.12	65	20		
2.00	6.24	16	5		
3.00	9.36	7	2		
4.00	12.48	4	1		
5.00	15.60	3	1		

H[m]	D[m]	Max lux	Med lux	Beta=57.9°+57.9°	G=0.0 Máx no a G
1.00	3.19	65	20		
2.00	6.39	16	5		
3.00	9.58	7	2		
4.00	12.78	4	1		
5.00	15.97	3	1		

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UGR
S = 0.250

Reflectancias										
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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	17.9	19.2	18.2	19.5	19.7	18.1	19.4	18.4	19.6	19.9
x=2H y=3H	18.9	20.1	19.2	20.4	20.6	19.1	20.3	19.4	20.5	20.8
x=2H y=4H	19.3	20.4	19.6	20.7	21.0	19.5	20.6	19.8	20.9	21.2
x=2H y=6H	19.7	20.7	20.0	21.0	21.3	19.9	20.9	20.2	21.2	21.5
x=2H y=8H	19.9	20.9	20.3	21.2	21.5	20.1	21.1	20.4	21.4	21.7
x=2H y=12H	20.1	21.1	20.5	21.4	21.7	20.3	21.2	20.7	21.6	21.9
x=4H y=2H	18.5	19.6	18.8	19.9	20.2	18.6	19.7	19.0	20.0	20.3
x=4H y=3H	19.7	20.6	20.0	20.9	21.3	19.8	20.7	20.2	21.1	21.4
x=4H y=4H	20.2	21.0	20.6	21.4	21.7	20.3	21.1	20.7	21.5	21.9
x=4H y=6H	20.7	21.4	21.1	21.8	22.2	20.8	21.6	21.3	21.9	22.3
x=4H y=8H	21.0	21.7	21.4	22.1	22.5	21.1	21.8	21.6	22.2	22.6
x=4H y=12H	21.3	21.9	21.8	22.3	22.8	21.5	22.1	21.9	22.5	22.9
x=8H y=4H	20.4	21.1	20.9	21.5	21.9	20.5	21.2	21.0	21.6	22.0
x=8H y=6H	21.2	21.7	21.6	22.1	22.6	21.3	21.8	21.7	22.3	22.7
x=8H y=8H	21.6	22.0	22.0	22.5	23.0	21.7	22.2	22.1	22.6	23.1
x=8H y=12H	22.0	22.4	22.5	22.9	23.4	22.1	22.6	22.6	23.0	23.5
x=12H y=4H	20.5	21.1	20.9	21.5	21.9	20.6	21.2	21.0	21.6	22.0
x=12H y=6H	21.3	21.7	21.7	22.2	22.7	21.4	21.8	21.8	22.3	22.8
x=12H y=8H	21.7	22.2	22.2	22.6	23.1	21.8	22.3	22.3	22.7	23.2

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Flujo Total=241.18 Flujo Luminaria=241.18

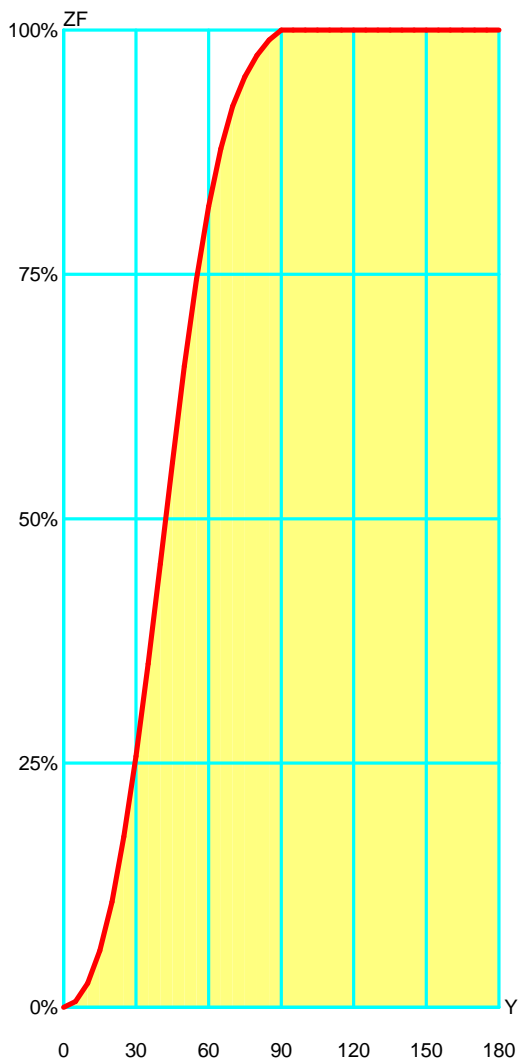
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.31	0.40	0.47	0.55	0.61	0.69	0.75	0.78	0.83	0.86	0.92	0.95
RC	5	5	5	5	5	5	4	5	5	5	5	6

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	108	257	454	656	820	922	974	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
 48 82 95 100 100

C.I.E.	5/5/5/5/5/4/5/5/5/6	LOR	100.00000 %
D DIN 5040	A30	ULOR	0.00000 %
F UTE	1.00 E	DLOR	100.00000 %
B NBN	BZ 4	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	5.71	5.71	0.57%	0.57 %
10°	18.69	24.40	1.87%	2.44 %
15°	33.42	57.82	3.34%	5.78 %
20°	49.99	107.81	5.00%	10.78 %
25°	66.78	174.59	6.68%	17.46 %
30°	82.07	256.66	8.21%	25.67 %
35°	94.65	351.31	9.46%	35.13 %
40°	102.33	453.64	10.23%	45.36 %
45°	103.83	557.46	10.38%	55.75 %
50°	98.71	656.18	9.87%	65.62 %
55°	88.57	744.75	8.86%	74.48 %
60°	74.89	819.64	7.49%	81.96 %
65°	58.94	878.58	5.89%	87.86 %
70°	43.36	921.94	4.34%	92.19 %
75°	30.31	952.25	3.03%	95.23 %
80°	21.98	974.24	2.20%	97.42 %
85°	15.70	989.94	1.57%	98.99 %
90°	10.06	1000.00	1.01%	100.00 %
95°	0.00	1000.00	0.00%	100.00 %
100°	0.00	1000.00	0.00%	100.00 %
105°	0.00	1000.00	0.00%	100.00 %
110°	0.00	1000.00	0.00%	100.00 %
115°	0.00	1000.00	0.00%	100.00 %
120°	0.00	1000.00	0.00%	100.00 %
125°	0.00	1000.00	0.00%	100.00 %
130°	0.00	1000.00	0.00%	100.00 %
135°	0.00	1000.00	0.00%	100.00 %
140°	0.00	1000.00	0.00%	100.00 %
145°	0.00	1000.00	0.00%	100.00 %
150°	0.00	1000.00	0.00%	100.00 %
155°	0.00	1000.00	0.00%	100.00 %
160°	0.00	1000.00	0.00%	100.00 %
165°	0.00	1000.00	0.00%	100.00 %
170°	0.00	1000.00	0.00%	100.00 %
175°	0.00	1000.00	0.00%	100.00 %
180°	0.00	1000.00	0.00%	100.00 %

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Isolux (Suelo)

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

