

## Luminaire

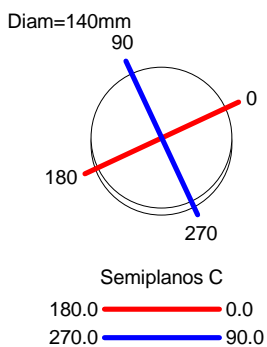
Code A680-001  
Name BICOCA OFF-WHITE

## Measurem.

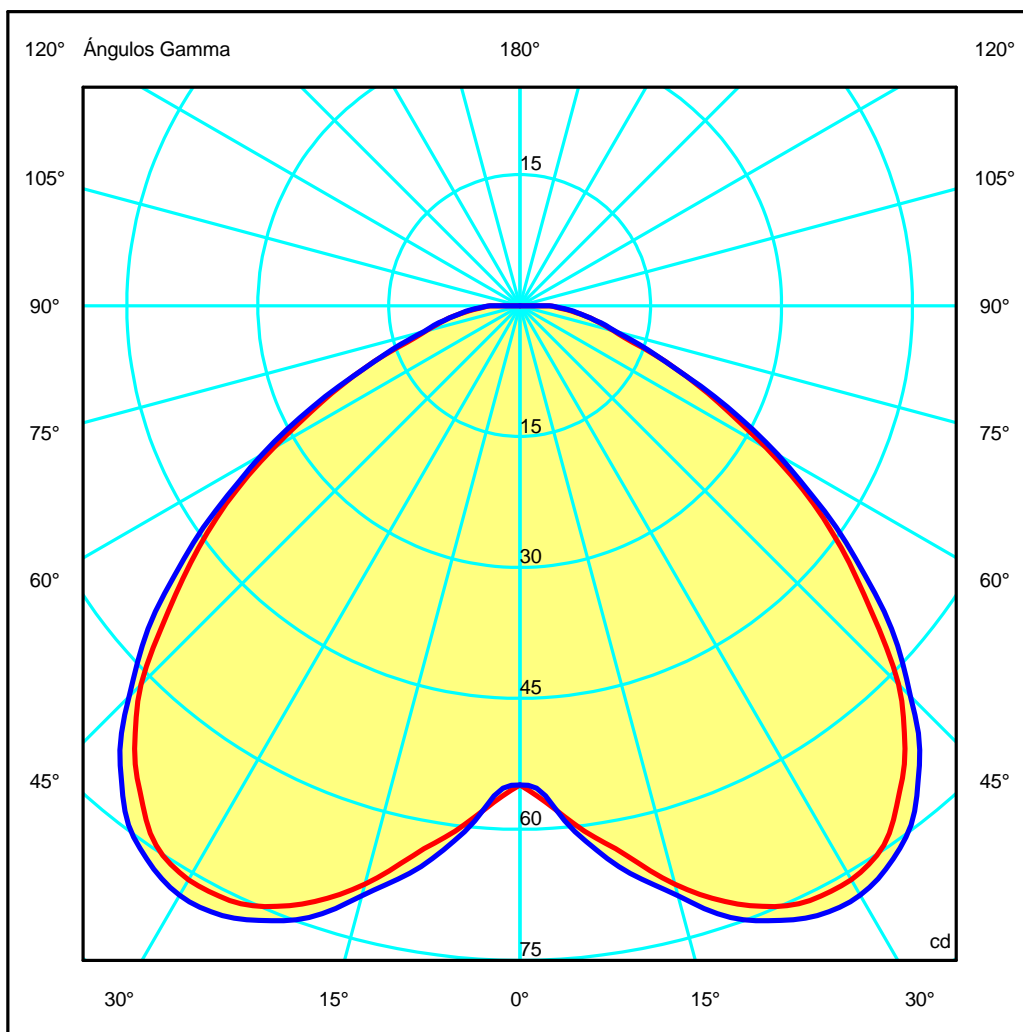
Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical
Round Luminaire Round Luminous Area		Diam. Diam.	140 mm 140 mm	Height Height	230 mm 0 mm		
Horizontal Luminous Area Emitting area on Plane 0° Emitting area on Plane 90°		0.015394 m2 0.000000 m2 0.000000 m2		Emitting area on Plane 180° Emitting area on Plane 270° Glare area at 76°		0.000000 m2 0.000000 m2 0.003724 m2	
Coordinate system Date Measurement Distance		CG 21-12-2018 6.44		Symmetry Type Maximum Gamma Angle Measurement Flux		Double Symmetrical 90 241.18 lm	
Operator Temperature Humidity Notes		Asselum T2 24.70 °C 27.20 % RM1821701.4		Source Voltage [V] Source current [A] Photocell		230.29 V 0.10 A Prc	

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		A680-001	Name BICOCA OFF-WHITE		241.18	9.61	1
C.I.E.	48 82 95		D DIN 5040		A30		
F UTE	1.00 E		B NBN		BZ 4		



ULOR 0.00 %  
DLOR 100.00 %  
RN 0.00 %



## Luminaire

Code A680-001  
Name BICOCA OFF-WHITE

## Measurment

Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

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	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

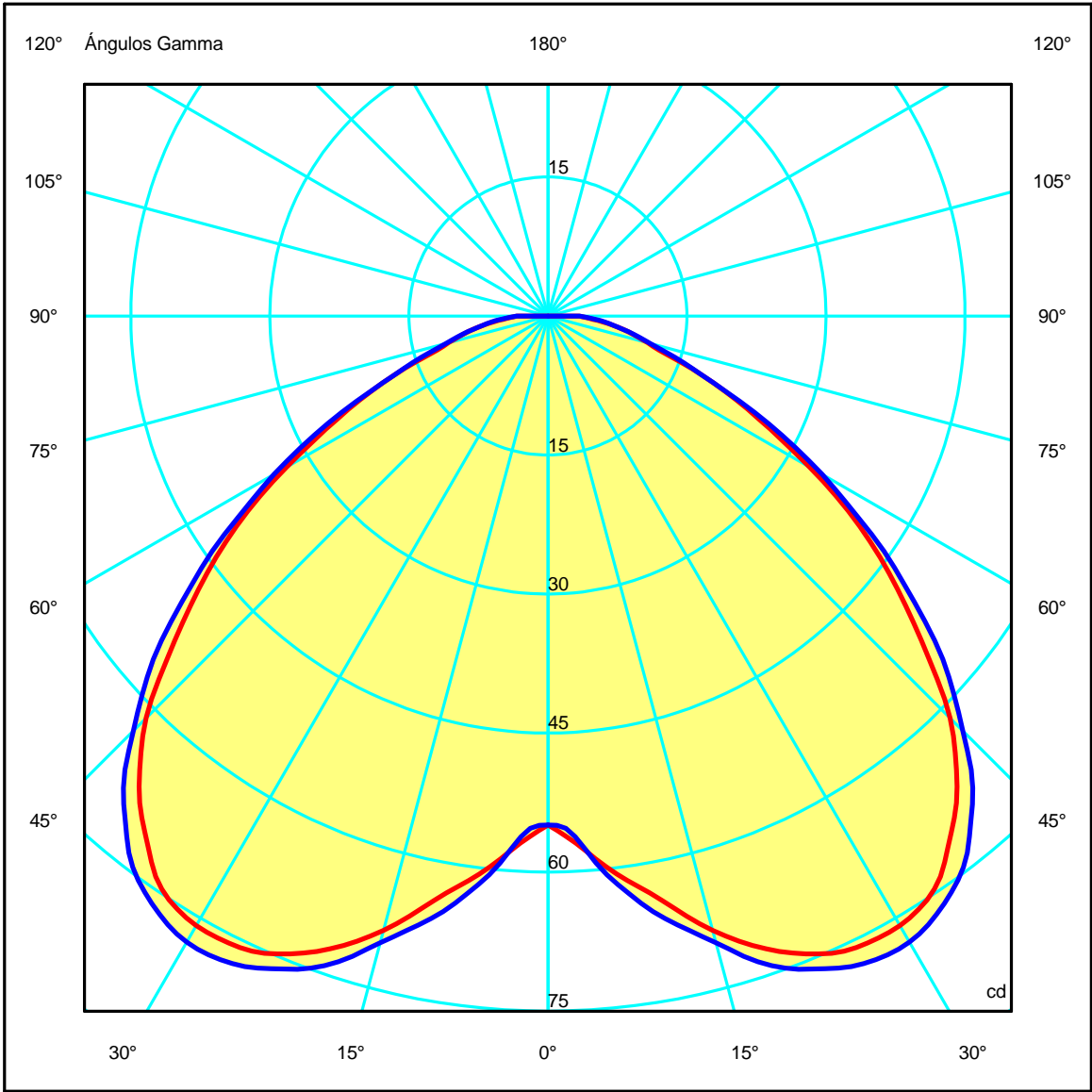
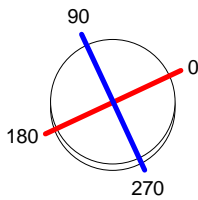
**Luminaire**  
Code A680-001  
Name BICOCA OFF-WHITE  
**Measurem.**  
Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

Diam=140mm

Semiplanos C

180.0 — 0.0  
270.0 — 90.0



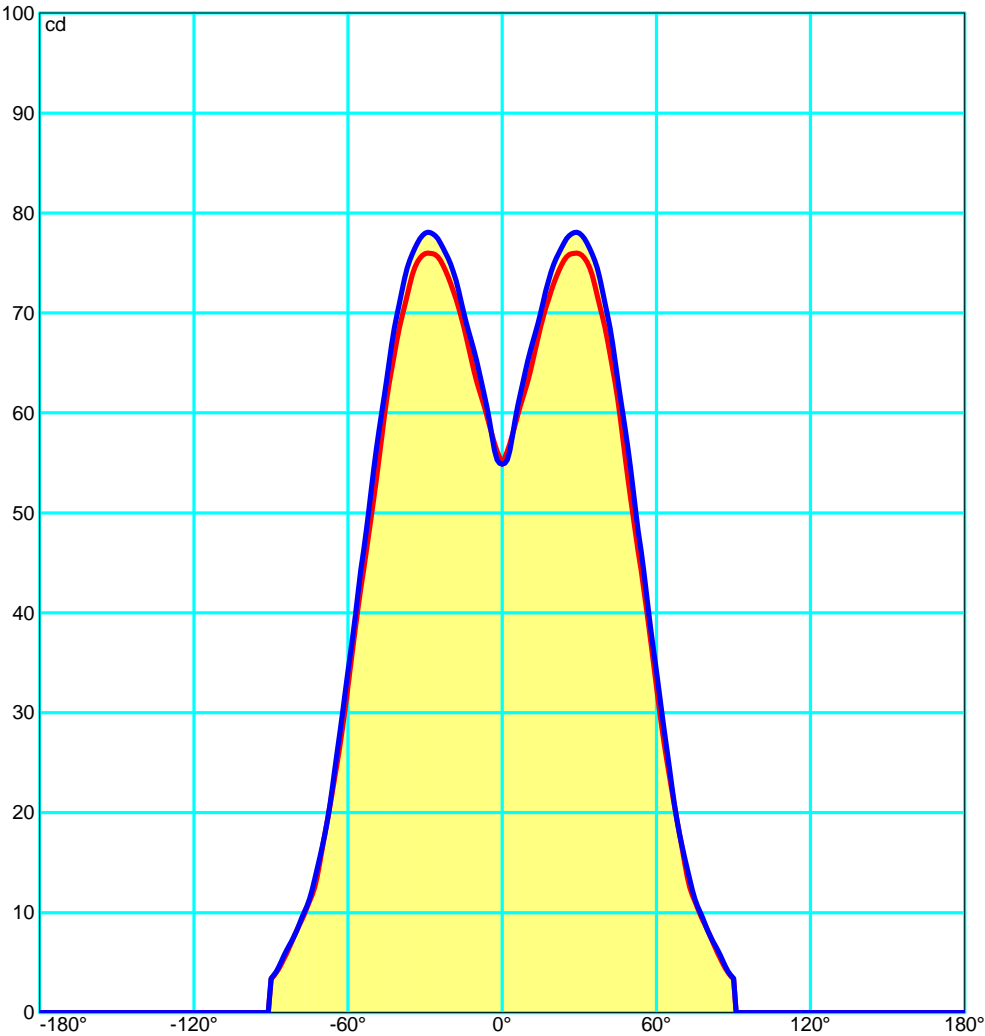
**Luminaire**  
Code A680-001  
Name BICOCA OFF-WHITE  
**Measurem.**  
Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

Diam=140mm



Semiplanos C  
180.0 ————— 0.0  
270.0 ————— 90.0



## Luminaire

Code A680-001  
Name BICOCA OFF-WHITE

## Measurem.

Code CL041A18F009G  
Name BICOCA OFF-WHITE

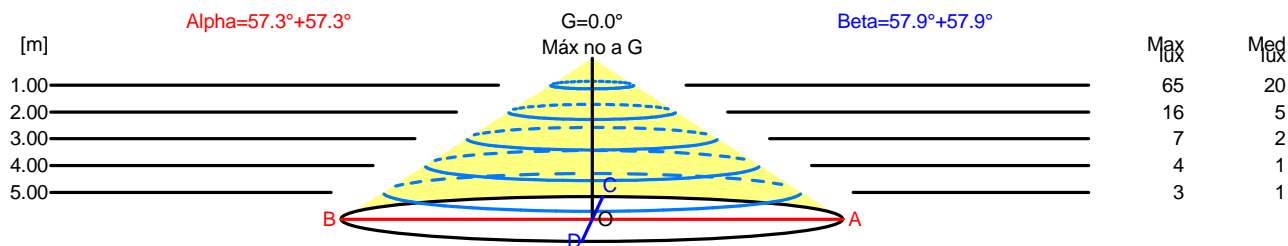
Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

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	1.56	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

Luminous Intensities [ cd]

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

## Luminaire

Code A680-001  
Name BICOCA OFF-WHITE

## Measurem.

Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

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
WorkingPlane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
RoomDimensions										
RoomDimensions	Viewed Crosswise					Viewed Endwise				
	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H	x=2H	y=2H
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

**Luminaire**  
Code A680-001  
Name BICOCA OFF-WHITE  
**Measur.**  
Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG	Double Symmetrical

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 %



Flujo Zonal				
Gamma °	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 %

**Luminaire**  
Code A680-001  
Name BICOCA OFF-WHITE  
**Measurem.**  
Code CL041A18F009G  
Name BICOCA OFF-WHITE

Luminaire Flux	241.18 lm	Luminaire Power	9.61 W	Efficacy	25.10 lm/W	Efficiency	100.00%
Lamps Flux	241.18 lm	Maximum value	80.34 cd	Position	C=75.00 G=30.00	CG Double Symmetrical	

Isolux (Floor)

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

