

Luminaire

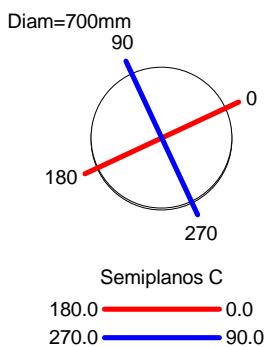
Code 1527XX/XX
Name FLAMINGO

Measur.

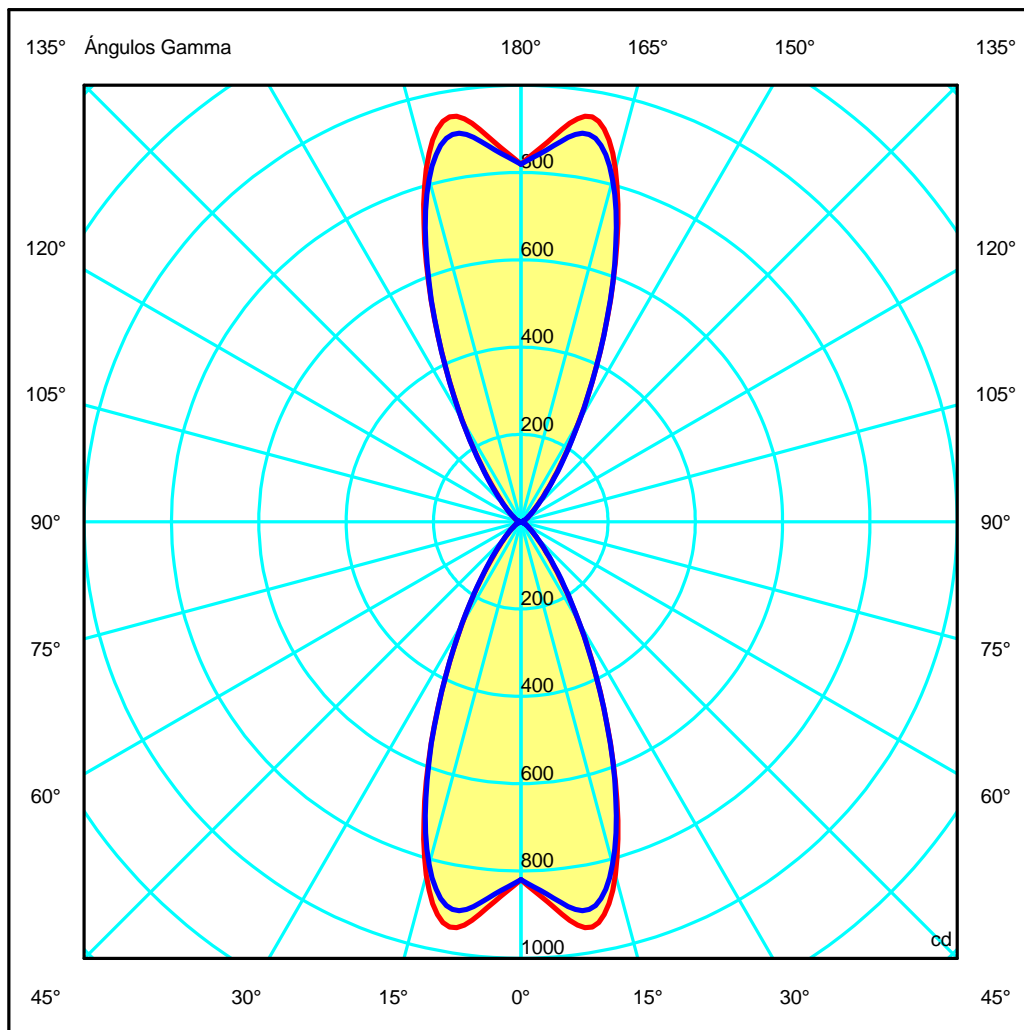
Code CL252A19F029G.E1
Name 2700K CRI 80

Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG	Asymmetrical
Round Luminaire		Diam.	700 mm	Height	20 mm		
Round Luminous Area		Diam.	700 mm	Height	20 mm		
Horizontal Luminous Area		0.384845 m2		Emitting area on Plane 180°		0.014000 m2	
Emitting area on Plane 0°		0.014000 m2		Emitting area on Plane 270°		0.014000 m2	
Emitting area on Plane 90°		0.014000 m2		Glare area at 76°		0.106687 m2	
Coordinate system		CG		Symmetry Type		Asymmetrical	
Date		12-06-2019		Maximum Gamma Angle		180	
Measurement Distance		1.70		Measurement Flux		1391.24 lm	
Operator				Rated Voltage			
Temperature				Rated Current			
Humidity				Photocell			
Notes							Czibula Grundmann

Line		Code		Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
CREE XHP50A-00-0000-0D0HH227H + OPTICARCL-00		252A19F029G.E1		2x LED 5,6W 500mA		1391.25	19.80	1
C.I.E.	90 98 100 50 100	D DIN 5040		C61				
F UTE	0.50 A + 0.50 T	B NBN		BZ 1				



ULOR 50.00 %
DLOR 50.00 %
RN 50.00 %



Luminaire

Code 1527XX/XX

Name FLAMINGO

Measur.

Code CL252A19F029G.E1

Name 2700K CRI 80

Luminaire Flux	1391.25 lm		Luminaire Power		19.80 W		Efficacy		70.26 lm/W		Efficiency		100.00%	
Sources Flux	1391.25 lm		Maximum value		942.08 cd		Position		C=0.00 G=10.00		CG Asymmetrical			
Luminous Intensity Table cd														Table 1/2
	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00	
G 0.0	820	820	820	820	820	820	820	820	820	820	820	820	820	820
G 2.5	851	848	847	849	842	845	840	845	842	849	847	848	851	
G 5.0	888	883	876	875	870	874	865	874	870	875	876	883	888	
G 7.5	927	923	914	913	903	904	892	904	903	913	914	923	927	
G 10.0	942	941	931	930	917	915	902	915	917	930	931	941	942	
G 12.5	910	911	902	902	889	888	874	888	889	902	902	911	910	
G 15.0	837	841	834	835	824	826	812	826	824	835	834	841	837	
G 17.5	740	747	741	745	736	738	727	738	736	745	741	747	740	
G 20.0	633	643	638	643	636	637	628	637	636	643	638	643	633	
G 22.5	528	537	533	538	532	534	526	534	532	538	533	537	528	
G 25.0	431	438	435	440	435	437	429	437	435	440	435	438	431	
G 27.5	344	349	348	351	348	349	343	349	348	351	348	349	344	
G 30.0	269	272	273	276	275	273	270	273	275	276	273	272	269	
G 32.5	207	210	212	214	213	211	210	211	213	214	212	210	207	
G 35.0	157	161	162	164	163	162	161	162	163	164	162	161	157	
G 37.5	118	121	122	125	124	123	123	123	124	125	122	121	118	
G 40.0	90	91	92	94	94	93	93	93	94	94	92	91	90	
G 42.5	69	70	70	71	71	71	71	71	71	71	70	70	69	
G 45.0	53	55	55	55	55	55	55	55	55	55	55	55	53	
G 47.5	42	43	44	44	43	43	43	43	43	44	44	43	42	
G 50.0	34	34	35	35	35	35	34	35	35	35	35	34	34	
G 52.5	27	28	28	28	28	28	27	28	28	28	28	28	27	
G 55.0	22	23	23	23	23	22	22	22	23	23	23	23	22	
G 57.5	18	19	19	19	18	18	18	18	18	19	19	19	18	
G 60.0	15	16	16	16	15	15	15	15	15	16	16	16	15	
G 62.5	13	13	13	13	13	12	12	12	13	13	13	13	13	
G 65.0	11	11	11	11	10	10	10	10	10	11	11	11	11	
G 67.5	9	9	9	9	8	8	8	8	8	9	9	9	9	
G 70.0	6	7	7	7	6	6	6	6	6	7	7	7	6	
G 72.5	5	5	5	5	5	4	4	4	5	5	5	5	5	
G 75.0	3	3	3	3	3	3	3	3	3	3	3	3	3	
G 77.5	2	2	2	2	2	2	2	2	2	2	2	2	2	
G 80.0	1	1	1	1	1	1	1	1	1	1	1	1	1	
G 82.5	0	0	0	0	1	1	1	1	1	0	0	0	0	
G 85.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G 87.5	0	0	0	0	0	0	0	0	0	0	0	0	0	
G 90.0	0	0	0	0	0	0	1	0	0	0	0	0	0	
G 92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	
G 95.0	0	0	0	0	0	0	0	0	0	0	0	0	0	
G 97.5	0	0	0	0	1	1	1	1	1	0	0	0	0	
G100.0	1	1	1	1	1	1	1	1	1	1	1	1	1	
G102.5	2	2	2	2	2	2	2	2	2	2	2	2	2	
G105.0	3	3	3	3	3	3	3	3	3	3	3	3	3	
G107.5	5	5	5	5	5	4	4	4	5	5	5	5	5	
G110.0	6	7	7	7	6	6	6	6	6	7	7	7	6	
G112.5	9	9	9	9	8	8	8	8	8	9	9	9	9	
G115.0	11	11	11	11	10	10	10	10	10	11	11	11	11	
G117.5	13	13	13	13	13	12	12	12	13	13	13	13	13	
G120.0	15	16	16	16	15	15	15	15	15	16	16	16	15	
G122.5	18	19	19	19	18	18	18	18	18	19	19	19	18	
G125.0	22	23	23	23	23	22	22	22	23	23	23	23	22	
G127.5	27	28	28	28	28	28	27	28	28	28	28	28	27	
G130.0	34	34	35	35	35	35	34	35	35	35	35	34	34	
G132.5	42	43	44	44	43	43	43	43	43	44	44	43	42	
G135.0	53	55	55	55	55	55	55	55	55	55	55	55	53	
G137.5	69	70	70	71	71	71	71	71	71	71	70	70	69	
G140.0	90	91	92	94	94	93	93	93	94	94	92	91	90	
G142.5	118	121	122	125	124	123	123	123	124	125	122	121	118	
G145.0	157	161	162	164	163	162	161	162	163	164	162	161	157	
G147.5	207	210	212	214	213	211	210	211	213	214	212	210	207	
G150.0	269	272	273	276	275	273	270	273	275	276	273	272	269	
G152.5	344	349	348	351	348	349	343	349	348	351	348	349	344	
G155.0	431	438	435	440	435	437	429	437	435	440	435	438	431	
G157.5	528	537	533	538	532	534	526	534	532	538	533	537	528	
G160.0	633	643	638	643	636	637	628	637	636	643	638	643	633	
G162.5	740	747	741	745	736	738	727	738	736	745	741	747	740	
G165.0	837	841	834	835	824	826	812	826	824	835	834	841	837	
G167.5	910	911	902	902	889	888	874	888	889	902	902	911	910	
G170.0	942	941	931	930	917	915	902	915	917	930	931	941	942	
G172.5	927	923	914	913	903	904	892	904	903	913	914	923	927	
G175.0	888	883	876	875	870	874	865	874	870	875	876	883	888	
G177.5	851	848	847	849	842	845	840	845	842	849	847	848	851	
G180.0	820	820	820	820	820	820	820	820	820	820	820	820	820	

Luminaire

Code 1527XX/XX

Name FLAMINGO

Measur.

Code CL252A19F029G.E1

Name 2700K CRI 80

Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG Asymmetrical	

Luminous Intensity Table cd Table 2/2

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	820	820	820	820	820	820	820	820	820	820	820
G 2.5	848	847	849	842	845	840	845	842	849	847	848
G 5.0	883	876	875	870	874	865	874	870	875	876	883
G 7.5	923	914	913	903	904	892	904	903	913	914	923
G 10.0	941	931	930	917	915	902	915	917	930	931	941
G 12.5	911	902	902	889	888	874	888	889	902	902	911
G 15.0	841	834	835	824	826	812	826	824	835	834	841
G 17.5	747	741	745	736	738	727	738	736	745	741	747
G 20.0	643	638	643	636	637	628	637	636	643	638	643
G 22.5	537	533	538	532	534	526	534	532	538	533	537
G 25.0	438	435	440	435	437	429	437	435	440	435	438
G 27.5	349	348	351	348	349	343	349	348	351	348	349
G 30.0	272	273	276	275	273	270	273	275	276	273	272
G 32.5	210	212	214	213	211	210	211	213	214	212	210
G 35.0	161	162	164	163	162	161	162	163	164	162	161
G 37.5	121	122	125	124	123	123	123	124	125	122	121
G 40.0	91	92	94	94	93	93	93	94	94	92	91
G 42.5	70	70	71	71	71	71	71	71	71	70	70
G 45.0	55	55	55	55	55	55	55	55	55	55	55
G 47.5	43	44	44	43	43	43	43	43	44	44	43
G 50.0	34	35	35	35	35	34	35	35	35	35	34
G 52.5	28	28	28	28	28	27	28	28	28	28	28
G 55.0	23	23	23	23	22	22	22	23	23	23	23
G 57.5	19	19	19	18	18	18	18	18	19	19	19
G 60.0	16	16	16	15	15	15	15	15	16	16	16
G 62.5	13	13	13	13	12	12	12	13	13	13	13
G 65.0	11	11	11	10	10	10	10	10	11	11	11
G 67.5	9	9	9	8	8	8	8	8	9	9	9
G 70.0	7	7	7	6	6	6	6	6	7	7	7
G 72.5	5	5	5	5	4	4	4	5	5	5	5
G 75.0	3	3	3	3	3	3	3	3	3	3	3
G 77.5	2	2	2	2	2	2	2	2	2	2	2
G 80.0	1	1	1	1	1	1	1	1	1	1	1
G 82.5	0	0	0	1	1	1	1	1	0	0	0
G 85.0	0	0	0	0	0	0	0	0	0	0	0
G 87.5	0	0	0	0	0	0	0	0	0	0	0
G 90.0	0	0	0	0	0	1	0	0	0	0	0
G 92.5	0	0	0	0	0	0	0	0	0	0	0
G 95.0	0	0	0	0	0	0	0	0	0	0	0
G 97.5	0	0	0	1	1	1	1	1	0	0	0
G100.0	1	1	1	1	1	1	1	1	1	1	1
G102.5	2	2	2	2	2	2	2	2	2	2	2
G105.0	3	3	3	3	3	3	3	3	3	3	3
G107.5	5	5	5	5	4	4	4	5	5	5	5
G110.0	7	7	7	6	6	6	6	6	7	7	7
G112.5	9	9	9	8	8	8	8	8	9	9	9
G115.0	11	11	11	10	10	10	10	10	11	11	11
G117.5	13	13	13	13	12	12	12	13	13	13	13
G120.0	16	16	16	15	15	15	15	15	16	16	16
G122.5	19	19	19	18	18	18	18	18	19	19	19
G125.0	23	23	23	23	22	22	22	23	23	23	23
G127.5	28	28	28	28	28	27	28	28	28	28	28
G130.0	34	35	35	35	35	34	35	35	35	35	34
G132.5	43	44	44	43	43	43	43	43	44	44	43
G135.0	55	55	55	55	55	55	55	55	55	55	55
G137.5	70	70	71	71	71	71	71	71	71	70	70
G140.0	91	92	94	94	93	93	93	94	94	92	91
G142.5	121	122	125	124	123	123	123	124	125	122	121
G145.0	161	162	164	163	162	161	162	163	164	162	161
G147.5	210	212	214	213	211	210	211	213	214	212	210
G150.0	272	273	276	275	273	270	273	275	276	273	272
G152.5	349	348	351	348	349	343	349	348	351	348	349
G155.0	438	435	440	435	437	429	437	435	440	435	438
G157.5	537	533	538	532	534	526	534	532	538	533	537
G160.0	643	638	643	636	637	628	637	636	643	638	643
G162.5	747	741	745	736	738	727	738	736	745	741	747
G165.0	841	834	835	824	826	812	826	824	835	834	841
G167.5	911	902	902	889	888	874	888	889	902	902	911
G170.0	941	931	930	917	915	902	915	917	930	931	941
G172.5	923	914	913	903	904	892	904	903	913	914	923
G175.0	883	876	875	870	874	865	874	870	875	876	883
G177.5	848	847	849	842	845	840	845	842	849	847	848
G180.0	820	820	820	820	820	820	820	820	820	820	820

Luminaire

Code 1527XX/XX

Name FLAMINGO

Measurem.

Code CL252A19F029G.E1

Name 2700K CRI 80

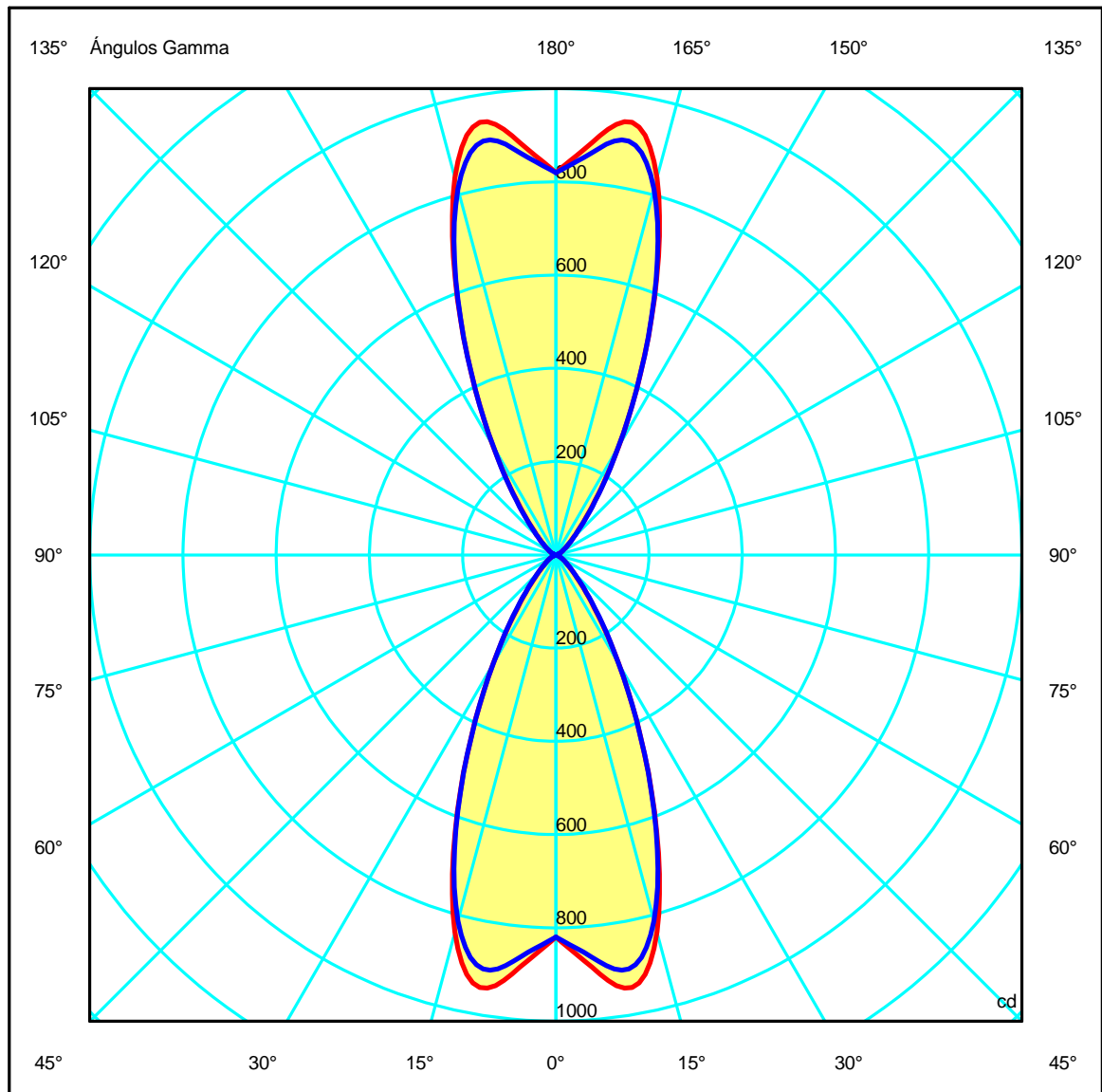
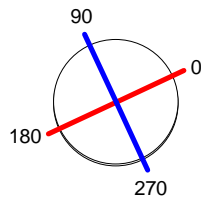
Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG	Asymmetrical

Diam=700mm

Semiplanos C

180.0 ————— 0.0

270.0 ————— 90.0



Luminaire

Code 1527XX/XX

Name FLAMINGO

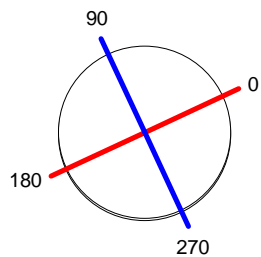
Measurem.

Code CL252A19F029G.E1

Name 2700K CRI 80

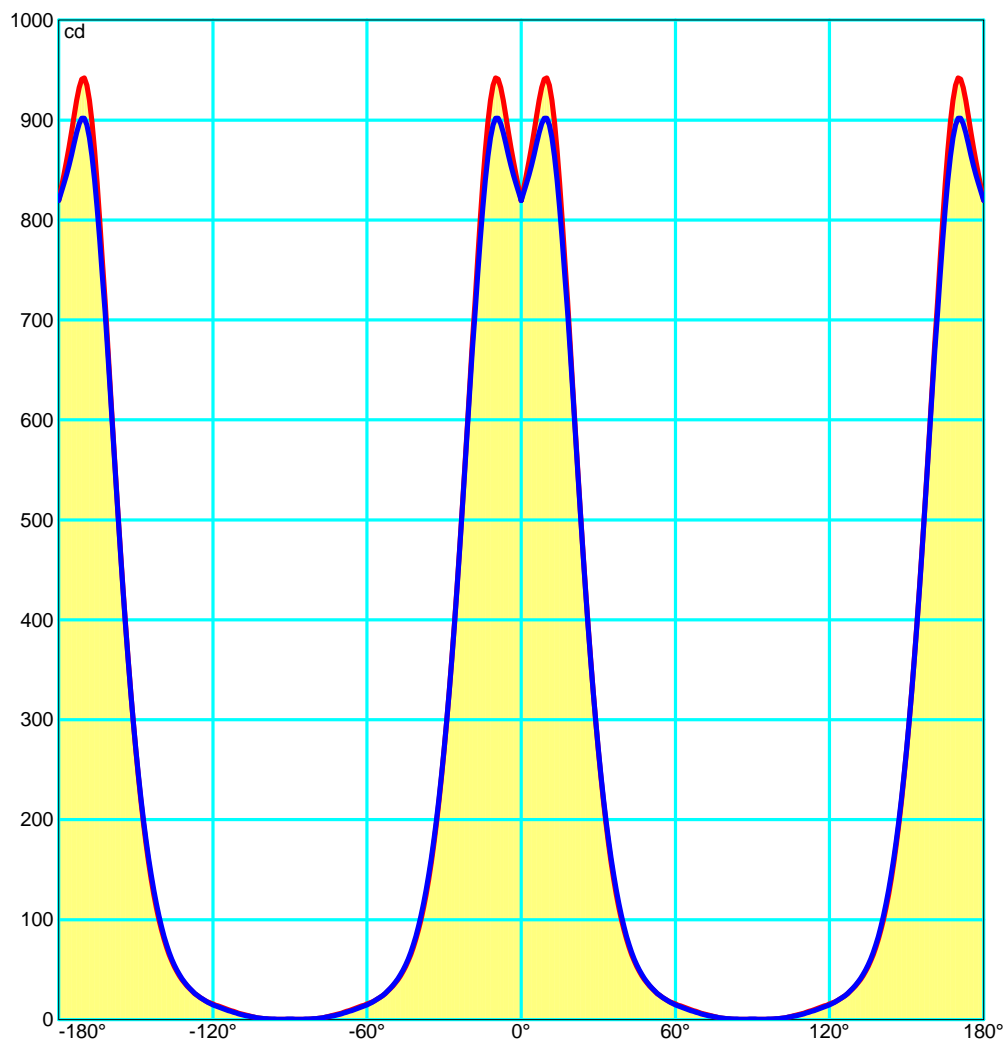
Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG	Asymmetrical

Diam=700mm



Semiplanos C

180.0 ——— 0.0
270.0 ——— 90.0



Luminaire

Code 1527XX/XX

Name FLAMINGO

Measurem.

Code CL252A19F029G.E1

Name 2700K CRI 80

Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG Asymmetrical	

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	Viewed Crosswise					Viewed Endwise				
x=2H y=2H	< 0	< 0	< 0	< 0	0.6	< 0	< 0	< 0	< 0	0.6
x=2H y=3H	< 0	< 0	< 0	< 0	0.7	< 0	< 0	< 0	< 0	0.6
x=2H y=4H	< 0	< 0	< 0	< 0	0.6	< 0	< 0	< 0	< 0	0.5
x=2H y=6H	< 0	< 0	< 0	< 0	0.5	< 0	< 0	< 0	< 0	0.4
x=2H y=8H	< 0	< 0	< 0	< 0	0.4	< 0	< 0	< 0	< 0	0.3
x=2H y=12H	< 0	< 0	< 0	< 0	0.4	< 0	< 0	< 0	< 0	0.3
x=4H y=2H	< 0	< 0	< 0	< 0	0.5	< 0	< 0	< 0	< 0	0.4
x=4H y=3H	< 0	< 0	< 0	< 0	0.6	< 0	< 0	< 0	< 0	0.5
x=4H y=4H	< 0	< 0	< 0	< 0	0.6	< 0	< 0	< 0	< 0	0.5
x=4H y=6H	< 0	< 0	< 0	< 0	0.4	< 0	< 0	< 0	< 0	0.4
x=4H y=8H	< 0	< 0	< 0	< 0	0.4	< 0	< 0	< 0	< 0	0.3
x=4H y=12H	< 0	< 0	< 0	< 0	0.3	< 0	< 0	< 0	< 0	0.2
x=8H y=4H	< 0	< 0	< 0	< 0	0.4	< 0	< 0	< 0	< 0	0.3
x=8H y=6H	< 0	< 0	< 0	< 0	0.3	< 0	< 0	< 0	< 0	0.2
x=8H y=8H	< 0	< 0	< 0	< 0	0.2	< 0	< 0	< 0	< 0	0.1
x=8H y=12H	< 0	< 0	< 0	< 0	0.1	< 0	< 0	< 0	< 0	0.0
x=12H y=4H	< 0	< 0	< 0	< 0	0.3	< 0	< 0	< 0	< 0	0.2
x=12H y=6H	< 0	< 0	< 0	< 0	0.2	< 0	< 0	< 0	< 0	0.1
x=12H y=8H	< 0	< 0	< 0	< 0	0.1	< 0	< 0	< 0	< 0	0.0

Luminaire

Code 1527XX/XX

Name FLAMINGO

Measur.

Code CL252A19F029G.E1

Name 2700K CRI 80

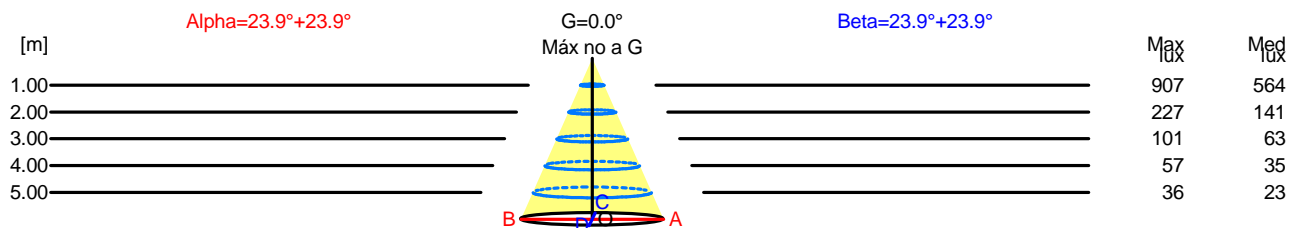
Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG Asymmetrical	

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	0.44	0.89	1.33	1.78	2.22	OC	0.44	0.89	1.33	1.77	2.22
OB	0.44	0.89	1.33	1.78	2.22	OD	0.44	0.89	1.33	1.77	2.22

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	819.58	887.70	837.06	430.52	156.80	53.09	22.00	10.79	3.08	0.22
OB	819.58	887.70	837.06	430.52	156.80	53.09	22.00	10.79	3.08	0.22
OC	819.58	865.01	812.14	429.13	161.15	54.69	22.08	9.81	2.81	0.38
OD	819.58	865.01	812.14	429.13	161.15	54.69	22.08	9.81	2.81	0.38



H[m]	D[m]	Max lux	Med lux	Alpha=23.9°+23.9°	G=0.0 Máx no a G	
1.00	0.89	907	564			
2.00	1.78	227	141			
3.00	2.66	101	63			
4.00	3.55	57	35			
5.00	4.44	36	23			

H[m]	D[m]	Max lux	Med lux	Beta=23.9°+23.9°	G=0.0 Máx no a G	
1.00	0.89	907	564			
2.00	1.77	227	141			
3.00	2.66	101	63			
4.00	3.54	57	35			
5.00	4.43	36	23			

Luminaire

Code 1527XX/XX

Name FLAMINGO

Measurement

Code CL252A19F029G.E1

Name 2700K CRI 80

Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG Asymmetrical	

Flujo Total=1391.25 Flujo Luminaria=1391.25

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	0.65	0.71	0.76	0.81	0.84	0.89	0.92	0.95	0.97	0.98	1.00	1.01
RC	-	-	-	-	-	-	-	-	-	-	-	-

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)	61	224	368	443	475	490	497	500	500	500	503	510	525	557	632	776	939	1000

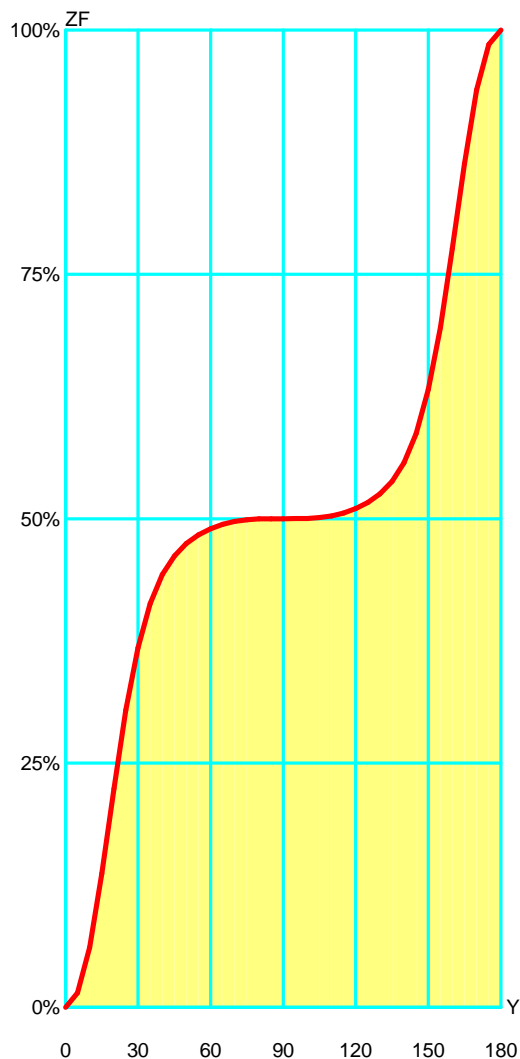
Códigos de Flujo C.I.E.

90 98 100 50 100

C.I.E.
D DIN 5040
F UTE
B NBN
RN
BLF

-/-/-/-/-/-/-/-/-/-
C61
0.50 A + 0.50 T
BZ 1
50.00000 %
1.0

LOR 100.00000 %
ULOR 50.00000 %
DLOR 50.00000 %
UFF 50.00000 %
DFF 50.00000 %
FFR 100.00000 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	14.67	14.67	1.47 %	1.47 %
10°	46.70	61.38	4.67 %	6.14 %
15°	75.51	136.89	7.55 %	13.69 %
20°	86.94	223.83	8.69 %	22.38 %
25°	80.29	304.12	8.03 %	30.41 %
30°	63.60	367.72	6.36 %	36.77 %
35°	45.22	412.93	4.52 %	41.29 %
40°	29.83	442.77	2.98 %	44.28 %
45°	19.14	461.91	1.91 %	46.19 %
50°	12.76	474.67	1.28 %	47.47 %
55°	8.80	483.46	0.88 %	48.35 %
60°	6.19	489.65	0.62 %	48.97 %
65°	4.49	494.14	0.45 %	49.41 %
70°	3.04	497.19	0.30 %	49.72 %
75°	1.75	498.94	0.18 %	49.89 %
80°	0.74	499.68	0.07 %	49.97 %
85°	0.22	499.90	0.02 %	49.99 %
90°	0.10	500.00	0.01 %	50.00 %
95°	0.10	500.10	0.01 %	50.01 %
100°	0.22	500.32	0.02 %	50.03 %
105°	0.74	501.06	0.07 %	50.11 %
110°	1.75	502.81	0.18 %	50.28 %
115°	3.04	505.86	0.30 %	50.59 %
120°	4.49	510.35	0.45 %	51.03 %
125°	6.19	516.54	0.62 %	51.65 %
130°	8.80	525.33	0.88 %	52.53 %
135°	12.76	538.09	1.28 %	53.81 %
140°	19.14	557.23	1.91 %	55.72 %
145°	29.83	587.07	2.98 %	58.71 %
150°	45.22	632.28	4.52 %	63.23 %
155°	63.60	695.88	6.36 %	69.59 %
160°	80.29	776.17	8.03 %	77.62 %
165°	86.94	863.11	8.69 %	86.31 %
170°	75.51	938.62	7.55 %	93.86 %
175°	46.70	985.33	4.67 %	98.53 %
180°	14.67	1000.00	1.47 %	100.00 %

Luminaire

Code 1527XX/XX

Name FLAMINGO

Measurem.

Code CL252A19F029G.E1

Name 2700K CRI 80

Luminaire Flux	1391.25 lm	Luminaire Power	19.80 W	Efficacy	70.26 lm/W	Efficiency	100.00%
Sources Flux	1391.25 lm	Maximum value	942.08 cd	Position	C=0.00 G=10.00	CG	Asymmetrical

Isolux (Floor)

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

