

Luminaire

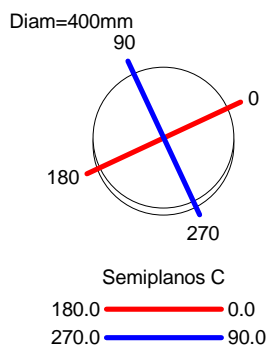
Code 115540/10
Name Top Ø40 azul

Measurem.

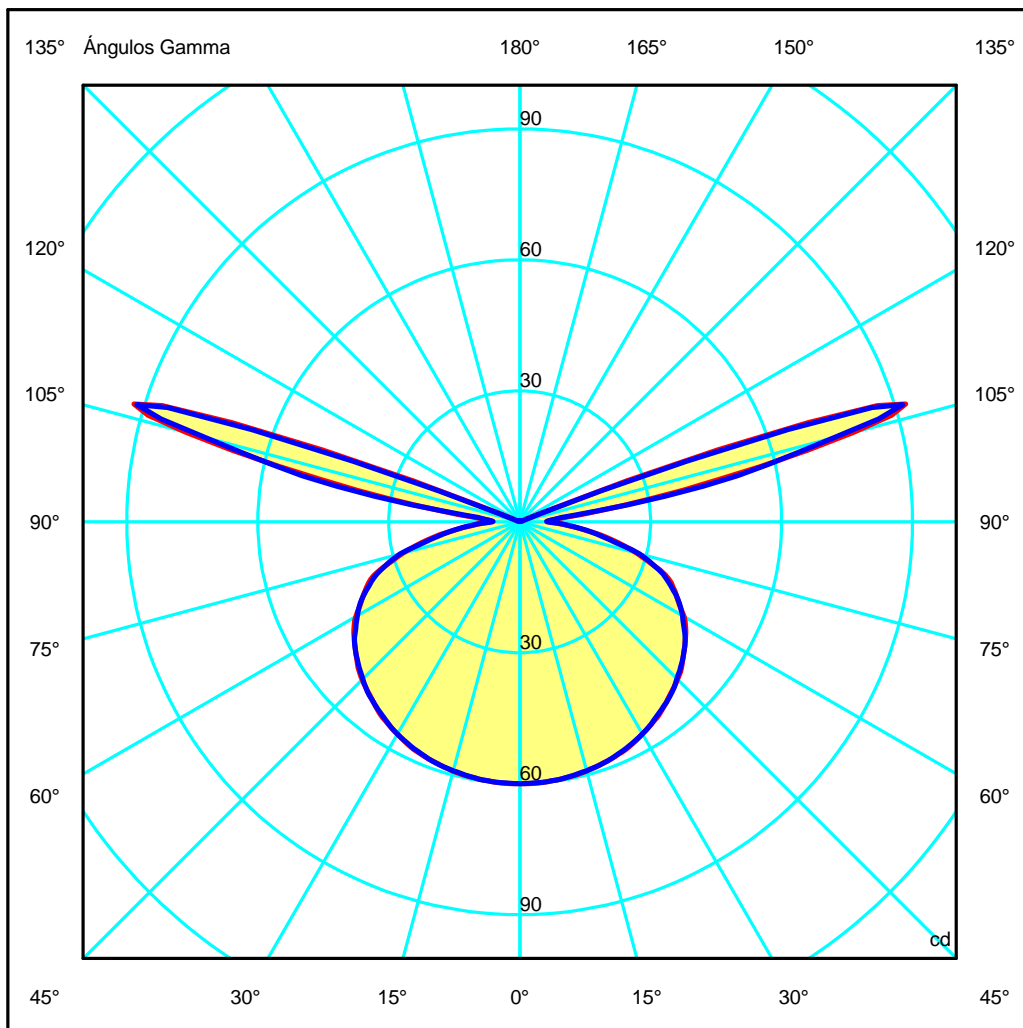
Code CL252A20F026G
Name Top Ø40 azul

Luminaire Flux	335.07 lm	Luminaire Power	21.31 W	Efficacy	15.72 lm/W	Efficiency	100.00%
Sources Flux	335.07 lm	Maximum value	90.78 cd	Position	C=0.00 G=107.50	CG Double Symmetrical	
Round Luminaire		Diam.	400 mm	Height	100 mm		
Round Luminous Area		Diam.	130 mm	Height	0 mm		
Horizontal Luminous Area		0.013273 m2		Emitting area on Plane 180°		0.000000 m2	
Emitting area on Plane 0°		0.000000 m2		Emitting area on Plane 270°		0.000000 m2	
Emitting area on Plane 90°		0.000000 m2		Glare area at 76°		0.003211 m2	
Coordinate system		CG		Symmetry Type		Double Symmetrical	
Date		28-09-2020		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		335.07 lm	
Operator		ASSELUM		Rated Voltage		230.18 V	
Temperature		24.80 °C		Rated Current		0.09 A	
Humidity		31.30 %		Photocell		Prc	
Notes		RM20090801.3					

Line		Code	Luminaire Lamps		Flux [lm]	Pow. [W]	Q.ty
		LED	Name	LED	335.07	21.31	1
C.I.E.	36 67 90 73 100		D DIN 5040		B21		
F UTE	0.73 H + 0.27 T		B NBN		BZ 6		



ULOR 26.65 %
DLOR 73.35 %
RN 26.65 %



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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	60	60	60	60	60	60	60
G 2.5	60	60	60	60	60	60	60
G 5.0	60	60	60	60	60	60	60
G 7.5	60	60	60	60	60	60	60
G 10.0	60	60	60	60	60	60	60
G 12.5	59	59	59	59	59	59	59
G 15.0	59	59	59	59	59	59	59
G 17.5	59	59	59	59	59	59	59
G 20.0	58	58	58	58	58	58	58
G 22.5	58	58	58	58	58	58	58
G 25.0	57	57	57	57	57	57	57
G 27.5	57	57	57	57	57	57	57
G 30.0	56	56	56	56	56	56	56
G 32.5	55	55	55	55	55	55	55
G 35.0	55	55	55	55	55	55	54
G 37.5	54	54	54	54	54	54	54
G 40.0	53	53	53	53	53	53	53
G 42.5	52	52	52	52	52	52	52
G 45.0	51	51	51	51	51	51	51
G 47.5	50	50	50	50	50	50	50
G 50.0	49	49	49	49	49	49	49
G 52.5	48	48	48	48	48	48	48
G 55.0	46	46	46	46	46	46	46
G 57.5	45	45	45	45	45	45	45
G 60.0	43	43	43	43	43	43	43
G 62.5	41	41	41	41	41	41	41
G 65.0	40	40	39	39	39	39	39
G 67.5	38	38	38	37	37	37	37
G 70.0	35	35	35	35	35	35	35
G 72.5	31	31	32	32	32	32	32
G 75.0	28	28	28	28	28	28	28
G 77.5	24	24	24	24	24	23	23
G 80.0	20	20	20	20	19	19	19
G 82.5	16	16	16	16	16	16	16
G 85.0	12	12	12	12	12	12	12
G 87.5	9	9	9	9	9	9	9
G 90.0	7	7	7	7	7	6	6
G 92.5	7	7	7	7	7	7	7
G 95.0	9	10	10	10	9	9	9
G 97.5	16	17	18	17	16	15	15
G100.0	30	31	32	33	33	34	34
G102.5	51	52	52	52	53	54	55
G105.0	79	78	76	74	73	74	74
G107.5	91	86	81	80	82	87	90
G110.0	48	48	48	47	45	42	41
G112.5	2	7	10	12	8	3	1
G115.0	0	0	0	0	0	0	0
G117.5	0	0	0	0	0	0	0
G120.0	0	0	0	0	0	0	0
G122.5	0	0	0	0	0	0	0
G125.0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0

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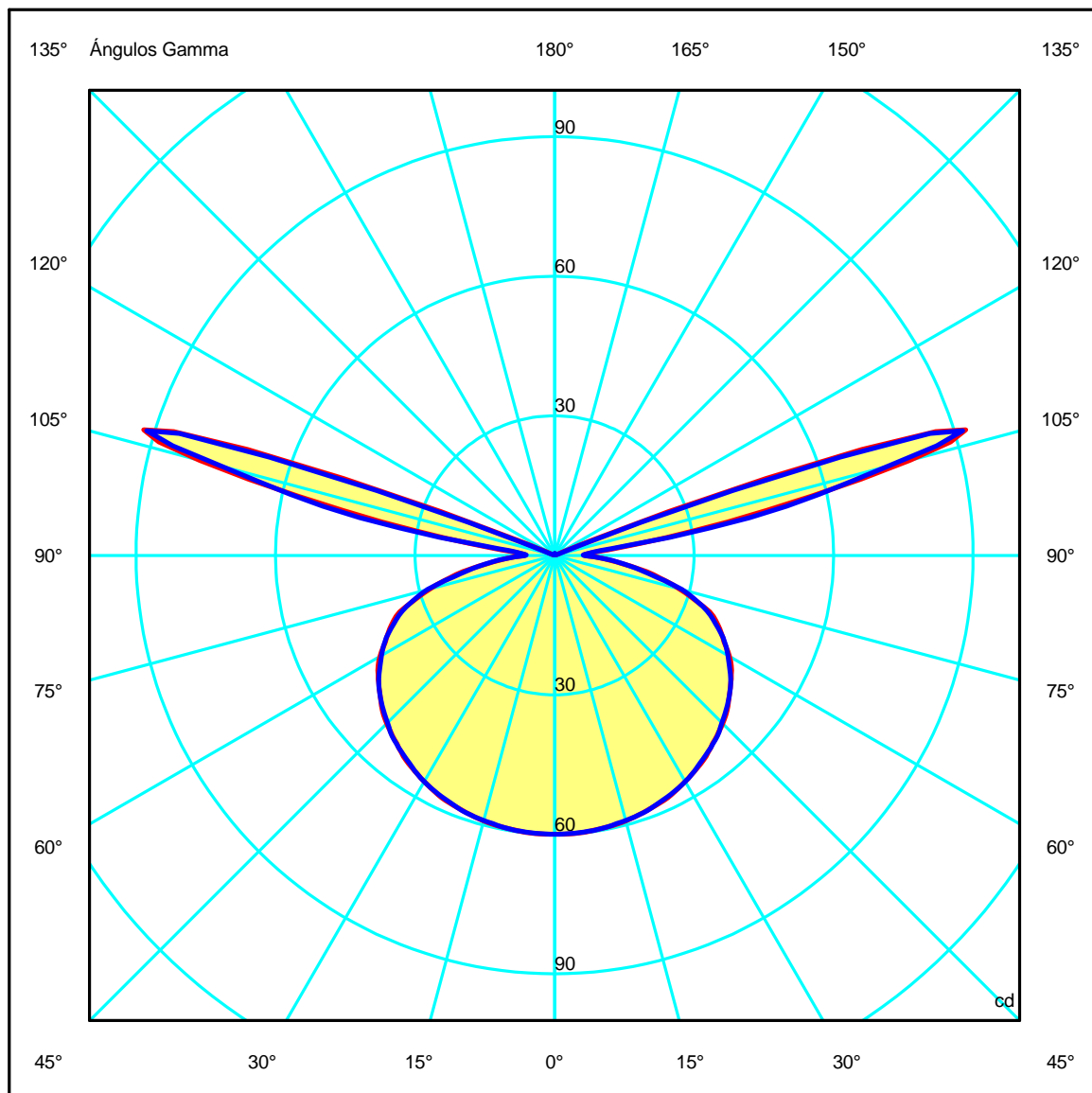
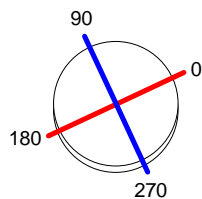
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Sources Flux	335.07 lm	Maximum value	90.78 cd	Position	C=0.00 G=107.50	CG	Double Symmetrical

Diam=400mm

Semiplanos C

180.0 — 0.0

270.0 — 90.0



Luminaire

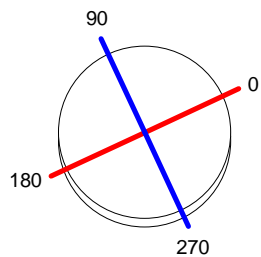
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UGR
S = 0.250

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	17.4	18.5	18.0	19.2	19.9	17.4	18.5	18.0	19.1	19.9
x=2H y=3H	19.9	20.9	20.6	21.6	22.4	19.9	20.9	20.5	21.6	22.4
x=2H y=4H	21.0	22.0	21.7	22.6	23.5	21.0	22.0	21.7	22.7	23.5
x=2H y=6H	22.0	22.8	22.7	23.6	24.4	21.9	22.8	22.6	23.5	24.4
x=2H y=8H	22.4	23.2	23.1	23.9	24.8	22.3	23.1	23.0	23.9	24.7
x=2H y=12H	22.7	23.5	23.4	24.3	25.1	22.7	23.5	23.4	24.2	25.1
x=4H y=2H	18.4	19.3	19.1	20.0	20.8	18.4	19.3	19.1	20.0	20.8
x=4H y=3H	21.0	21.8	21.8	22.6	23.4	21.0	21.8	21.7	22.5	23.4
x=4H y=4H	22.2	23.0	23.0	23.7	24.6	22.3	23.0	23.0	23.7	24.6
x=4H y=6H	23.3	23.9	24.1	24.7	25.6	23.3	23.9	24.0	24.7	25.6
x=4H y=8H	23.8	24.4	24.6	25.1	26.1	23.7	24.3	24.5	25.1	26.0
x=4H y=12H	24.2	24.7	25.0	25.5	26.5	24.2	24.7	25.0	25.5	26.4
x=8H y=4H	22.7	23.3	23.5	24.1	25.0	22.8	23.3	23.5	24.1	25.1
x=8H y=6H	24.0	24.5	24.8	25.3	26.3	24.0	24.4	24.8	25.2	26.2
x=8H y=8H	24.6	25.0	25.4	25.8	26.8	24.5	25.0	25.4	25.8	26.8
x=8H y=12H	25.1	25.5	26.0	26.3	27.3	25.1	25.5	26.0	26.3	27.3
x=12H y=4H	22.8	23.3	23.6	24.1	25.1	22.8	23.3	23.6	24.1	25.1
x=12H y=6H	24.1	24.6	25.0	25.4	26.4	24.1	24.5	24.9	25.3	26.3
x=12H y=8H	24.8	25.1	25.6	26.0	27.0	24.7	25.1	25.6	25.9	27.0

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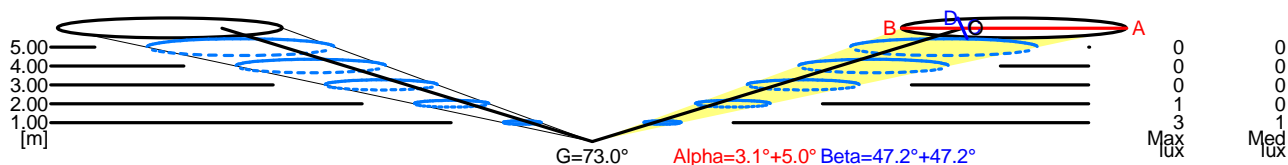
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Sources Flux	335.07 lm	Maximum value	90.78 cd	Position	C=0.00 G=107.50	CG	Double Symmetrical

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	1.45	2.90	4.35	5.80	7.25	OC	3.69	7.39	11.08	14.77	18.47
OB	0.54	1.07	1.61	2.15	2.69	OD	3.69	7.39	11.08	14.77	18.47

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	0.33	0.36	0.33	0.31	0.28	0.27	0.27	0.27	79.05	9.29
OB	0.33	0.36	0.33	0.31	0.28	0.27	0.27	0.27	79.05	9.29
OC	0.33	0.33	0.36	0.29	0.29	0.29	0.27	0.27	74.36	8.58
OD	0.33	0.33	0.36	0.29	0.29	0.29	0.27	0.27	74.36	8.58



5.00	9.94	0	0	
4.00	7.95	0	0	
3.00	5.96	0	0	
2.00	3.98	1	0	
1.00	1.99	3	1	
H[m]	D[m]	Max lux	Med lux	Alpha=3.1°+5.0° G=73.0

5.00	36.93	0	0	
4.00	29.55	0	0	
3.00	22.16	0	0	
2.00	14.77	1	0	
1.00	7.39	3	1	
H[m]	D[m]	Max lux	Med lux	Beta=47.2°+47.2° G=0.0

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Flujo Total=335.07 Flujo Luminaria=335.07

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	0.23	0.31	0.37	0.44	0.50	0.59	0.65	0.70	0.76	0.80	0.89	0.94
RC	7	7	7	7	7	7	7	7	7	7	7	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)	17	67	146	248	366	489	606	693	733	776	974	997	998	999	999	1000	1000	1000

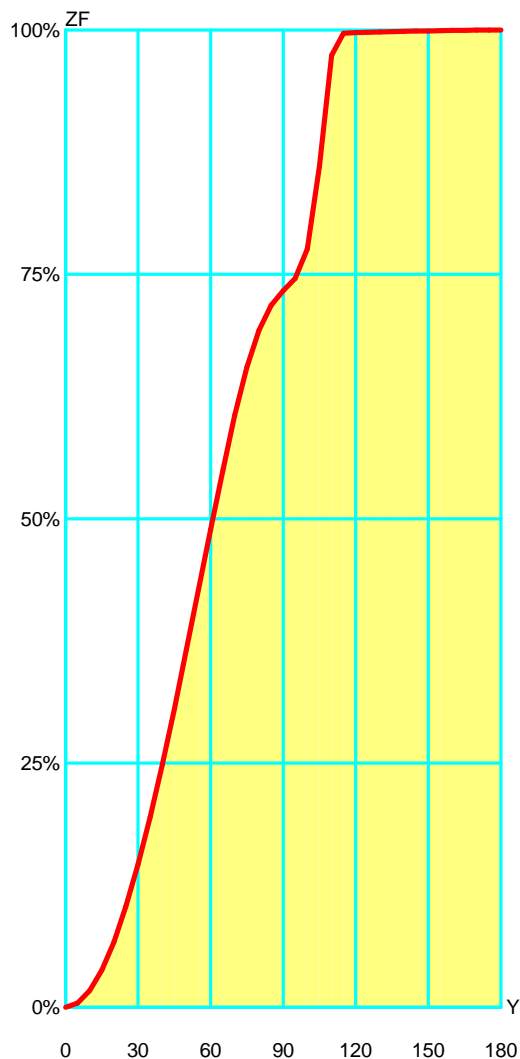
Códigos de Flujo C.I.E.

36 67 90 73 100

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

7/7/7/7/7/7/7/7/7/6
B21
0.73 H + 0.27 T
BZ 6
26.65383 %
1.0

LOR	100.00000 %
ULOR	26.65383 %
DLOR	73.34617 %
UFF	26.65383 %
DFF	73.34617 %
FFR	36.33978 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	4.27	4.27	0.43 %	0.43 %
10°	12.75	17.02	1.27 %	1.70 %
15°	21.00	38.02	2.10 %	3.80 %
20°	28.87	66.89	2.89 %	6.69 %
25°	36.21	103.10	3.62 %	10.31 %
30°	42.87	145.97	4.29 %	14.60 %
35°	48.67	194.63	4.87 %	19.46 %
40°	53.55	248.18	5.35 %	24.82 %
45°	57.40	305.58	5.74 %	30.56 %
50°	60.17	365.75	6.02 %	36.57 %
55°	61.66	427.41	6.17 %	42.74 %
60°	61.73	489.14	6.17 %	48.91 %
65°	59.93	549.08	5.99 %	54.91 %
70°	56.47	605.55	5.65 %	60.55 %
75°	49.27	654.81	4.93 %	65.48 %
80°	37.84	692.65	3.78 %	69.27 %
85°	25.62	718.28	2.56 %	71.83 %
90°	15.18	733.46	1.52 %	73.35 %
95°	12.23	745.69	1.22 %	74.57 %
100°	30.33	776.02	3.03 %	77.60 %
105°	84.91	860.93	8.49 %	86.09 %
110°	113.10	974.02	11.31 %	97.40 %
115°	22.82	996.84	2.28 %	99.68 %
120°	0.42	997.26	0.04 %	99.73 %
125°	0.38	997.64	0.04 %	99.76 %
130°	0.36	998.00	0.04 %	99.80 %
135°	0.34	998.34	0.03 %	99.83 %
140°	0.31	998.65	0.03 %	99.87 %
145°	0.29	998.94	0.03 %	99.89 %
150°	0.26	999.19	0.03 %	99.92 %
155°	0.22	999.42	0.02 %	99.94 %
160°	0.20	999.61	0.02 %	99.96 %
165°	0.16	999.77	0.02 %	99.98 %
170°	0.12	999.90	0.01 %	99.99 %
175°	0.08	999.98	0.01 %	100.00 %
180°	0.02	1000.00	0.00 %	100.00 %

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Isolux (Floor)

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

