

Luminaire

Code A646-070
Name Lab B 35

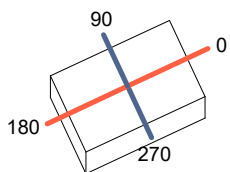
Measurem.

Code CL041A21F015G
Name Lab B 35

Luminaire Flux	293.15 lm	Luminaire Power	8.37 W	Efficacy	35.02 lm/W	Efficiency	100.00%
Sources Flux	293.15 lm	Maximum value	648.46 cd	Position	C=90.00 G=25.00	CG	Sym. on planes 270-90
Rectangular Luminaire		Length	80 mm	Width	125 mm	Height	120 mm
Rectangular Luminous Area		Length	45 mm	Width	80 mm	Height	0 mm
Horizontal Luminous Area		0.003600 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°		0.000871 m2	
Coordinate system		CG		Symmetry Type		Sym. on planes 270-90	
Date		04-03-2021		Maximum Gamma Angle		180	
Measurement Distance		6.44		Measurement Flux		293.15 lm	
Operator		ASSELUM		Rated Voltage		Prc	
Temperature		24.90 °C		Rated Current			
Humidity				Photocell			
Notes		RM21020302.15					

Line		Code		Luminaire Sources		Flux [lm]	Pow. [W]	Q.ty
		LED		Name		293.15	8.37	1
				LED				
C.I.E.	66 92 98 97 100			D DIN 5040	A51			
F UTE	0.97 C + 0.03 T			B NBN	BZ 3			

80mm x 125mm



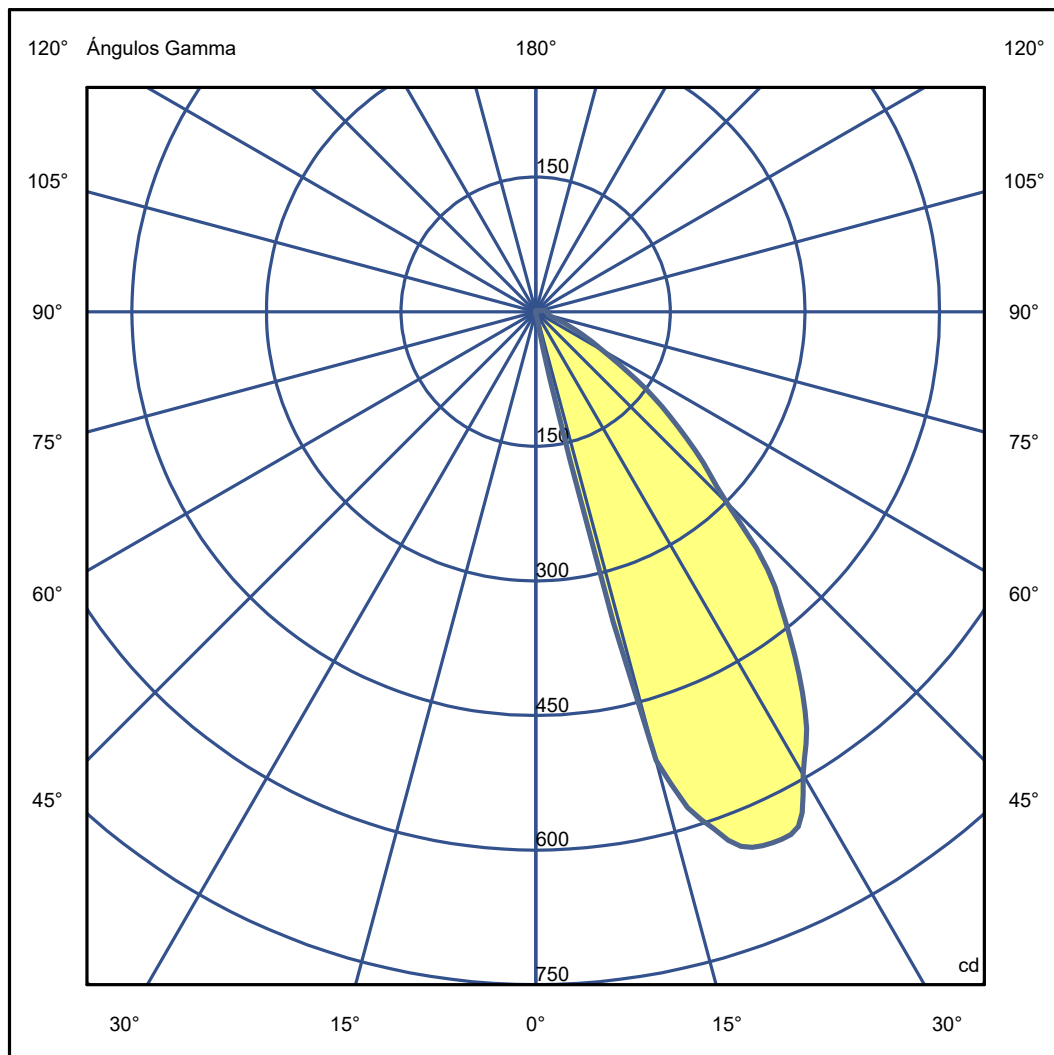
Semiplanos C

270.0 — 0.0
180.0 — 0.0
90.0 — 0.0

ULOR 3.09 %

DLOR 96.91 %

RN 3.09 %



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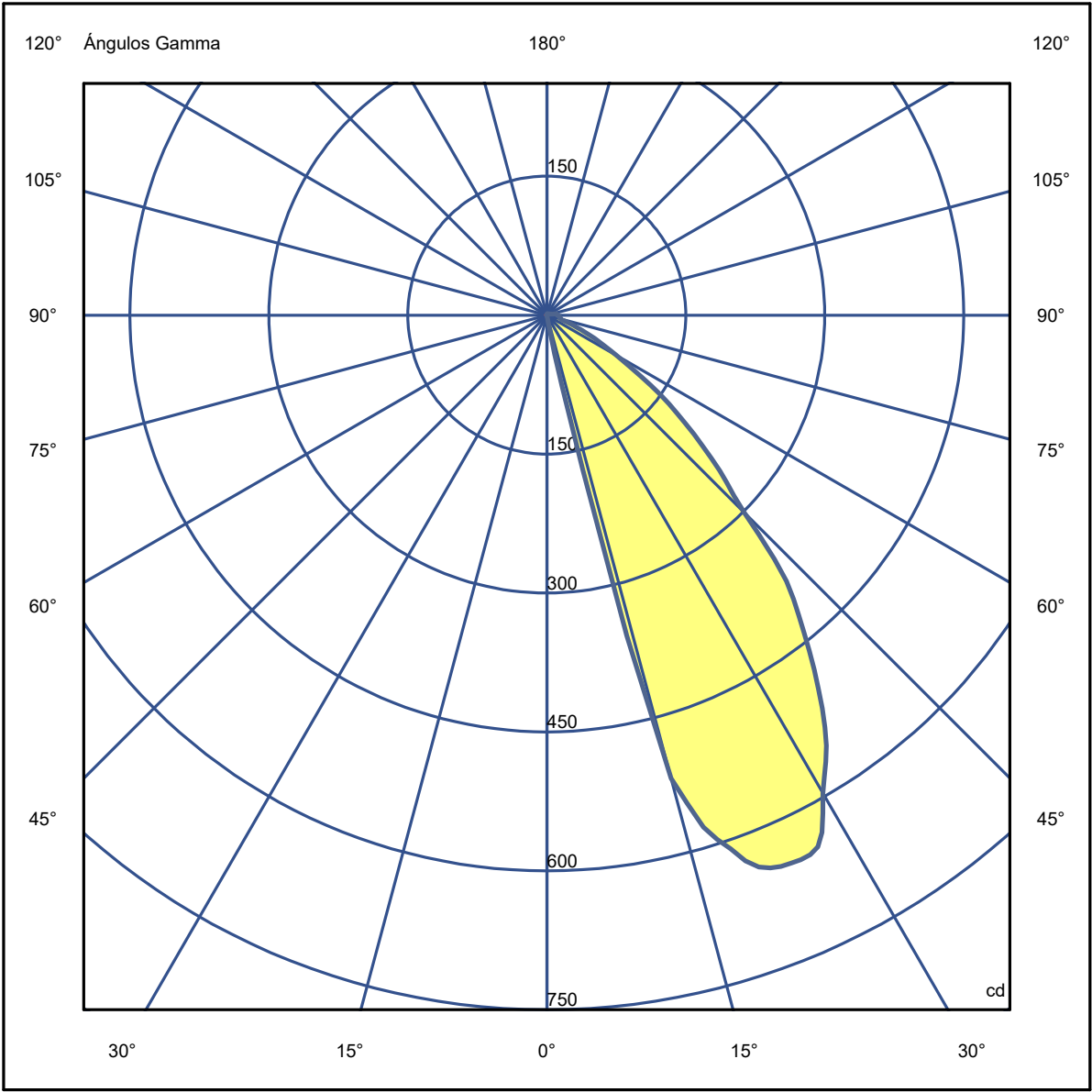
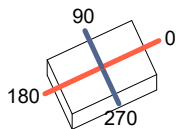
Luminaire Flux		293.15 lm		Luminaire Power		8.37 W		Efficacy		35.02 lm/W		Efficiency		100.00%	
Sources Flux		293.15 lm		Maximum value		648.46 cd		Position		C=90.00 G=25.00		CG Sym. on planes		270-90	
Luminous Intensity Table cd														Table 1/1	
		C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	
G 0.0	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31	0.31
G 2.5	0.22	0.23	0.27	0.29	0.30	0.30	0.30	0.31	0.42	0.53	0.57	0.51	0.41	0.36	0.36
G 5.0	0.18	0.20	0.24	0.27	0.28	0.30	0.30	0.31	0.64	0.97	1.14	1.07	0.88	0.78	0.78
G 7.5	0.18	0.18	0.21	0.24	0.27	0.29	0.31	1.08	1.95	2.58	2.76	2.66	2.56	2.56	2.56
G 10.0	0.18	0.20	0.22	0.24	0.27	0.29	0.31	2.47	4.77	6.55	7.31	7.37	7.28	7.28	7.28
G 12.5	0.18	0.18	0.21	0.24	0.26	0.27	0.29	2.93	8.39	18.99	49.81	81.21	95.59	95.59	95.59
G 15.0	0.18	0.18	0.19	0.20	0.22	0.24	0.26	41.79	100.74	174.93	320.31	457.14	517.78	517.78	517.78
G 17.5	0.14	0.17	0.19	0.22	0.24	0.26	0.27	90.04	207.61	337.29	461.58	555.67	592.95	592.95	592.95
G 20.0	0.18	0.20	0.21	0.22	0.23	0.24	0.26	89.13	207.19	342.02	477.65	583.83	626.74	626.74	626.74
G 22.5	0.13	0.16	0.18	0.20	0.22	0.23	0.24	82.72	196.08	332.40	478.00	596.36	645.20	645.20	645.20
G 25.0	0.13	0.16	0.19	0.21	0.22	0.23	0.24	74.17	180.18	314.86	467.07	594.83	648.46	648.46	648.46
G 27.5	0.13	0.16	0.18	0.20	0.21	0.23	0.24	65.63	163.43	294.18	449.14	582.51	639.21	639.21	639.21
G 30.0	0.13	0.16	0.18	0.20	0.21	0.23	0.24	56.60	143.20	263.52	411.18	540.50	595.95	595.95	595.95
G 32.5	0.17	0.18	0.19	0.20	0.21	0.21	0.22	48.47	125.66	237.65	379.96	506.64	561.39	561.39	561.39
G 35.0	0.13	0.15	0.18	0.20	0.20	0.21	0.21	41.82	110.37	212.87	346.12	465.96	518.00	518.00	518.00
G 37.5	0.15	0.16	0.18	0.20	0.21	0.21	0.22	34.66	93.96	186.11	309.14	421.06	469.92	469.92	469.92
G 40.0	0.13	0.16	0.18	0.20	0.20	0.20	0.21	28.03	78.79	161.08	273.86	377.59	423.09	423.09	423.09
G 42.5	0.14	0.16	0.18	0.20	0.20	0.21	0.21	23.60	67.40	139.83	240.35	333.26	374.12	374.12	374.12
G 45.0	0.17	0.18	0.19	0.20	0.20	0.21	0.21	20.49	56.73	115.16	195.16	268.73	301.00	301.00	301.00
G 47.5	0.14	0.15	0.16	0.18	0.19	0.20	0.21	17.30	48.04	98.05	166.97	230.51	258.42	258.42	258.42
G 50.0	0.17	0.18	0.19	0.20	0.20	0.20	0.20	14.66	40.67	83.06	141.57	195.55	219.27	219.27	219.27
G 52.5	0.14	0.16	0.18	0.20	0.20	0.20	0.20	11.20	32.15	67.39	116.84	162.77	183.01	183.01	183.01
G 55.0	0.14	0.16	0.18	0.20	0.21	0.21	0.22	10.03	27.81	56.72	96.47	133.09	149.16	149.16	149.16
G 57.5	0.13	0.16	0.18	0.20	0.20	0.20	0.20	9.55	24.77	47.36	76.58	102.80	114.17	114.17	114.17
G 60.0	0.13	0.15	0.16	0.17	0.18	0.19	0.20	8.29	20.53	37.68	59.02	77.83	85.92	85.92	85.92
G 62.5	0.14	0.15	0.16	0.18	0.18	0.19	0.20	7.32	17.58	31.23	47.48	61.52	67.49	67.49	67.49
G 65.0	0.13	0.15	0.17	0.19	0.19	0.20	0.20	6.78	15.57	26.15	37.61	47.00	50.89	50.89	50.89
G 67.5	0.18	0.18	0.18	0.18	0.18	0.19	0.20	5.53	12.50	20.48	28.59	35.00	37.60	37.60	37.60
G 70.0	0.18	0.18	0.18	0.18	0.18	0.19	0.20	4.92	10.71	16.64	21.83	25.50	26.89	26.89	26.89
G 72.5	0.18	0.18	0.18	0.18	0.18	0.19	0.20	4.04	8.51	12.67	15.74	17.56	18.17	18.17	18.17
G 75.0	0.18	0.17	0.16	0.16	0.17	0.18	0.20	2.46	5.33	8.56	11.79	14.31	15.34	15.34	15.34
G 77.5	0.18	0.17	0.16	0.16	0.17	0.19	0.20	1.81	4.11	7.13	10.67	13.71	15.00	15.00	15.00
G 80.0	0.18	0.18	0.18	0.18	0.18	0.19	0.20	1.66	3.80	6.69	10.16	13.17	14.45	14.45	14.45
G 82.5	0.18	0.18	0.18	0.17	0.18	0.19	0.20	1.54	3.54	6.30	9.66	12.59	13.85	13.85	13.85
G 85.0	0.18	0.18	0.18	0.18	0.18	0.19	0.20	1.45	3.34	5.96	9.18	12.01	13.22	13.22	13.22
G 87.5	0.21	0.19	0.18	0.18	0.18	0.19	0.20	1.36	3.10	5.52	8.51	11.14	12.28	12.28	12.28
G 90.0	0.22	0.20	0.18	0.18	0.18	0.19	0.20	1.27	2.90	5.20	8.08	10.62	11.71	11.71	11.71
G 92.5	0.22	0.20	0.18	0.18	0.18	0.19	0.20	1.20	2.73	4.90	7.64	10.06	11.11	11.11	11.11
G 95.0	0.22	0.20	0.19	0.18	0.18	0.19	0.20	1.10	2.51	4.57	7.22	9.59	10.62	10.62	10.62
G 97.5	0.23	0.21	0.21	0.20	0.20	0.20	0.20	1.02	2.34	4.29	6.83	9.12	10.11	10.11	10.11
G100.0	0.27	0.25	0.23	0.22	0.22	0.21	0.20	0.96	2.19	4.04	6.47	8.66	9.61	9.61	9.61
G102.5	0.27	0.24	0.23	0.22	0.22	0.21	0.20	1.20	2.43	3.71	4.88	5.73	6.06	6.06	6.06
G105.0	0.31	0.28	0.25	0.22	0.21	0.21	0.20	1.23	2.43	3.53	4.33	4.81	4.96	4.96	4.96
G107.5	0.31	0.28	0.25	0.22	0.21	0.21	0.20	1.20	2.32	3.31	3.95	4.27	4.36	4.36	4.36
G110.0	0.31	0.29	0.28	0.27	0.25	0.23	0.20	1.14	2.20	3.10	3.65	3.90	3.95	3.95	3.95
G112.5	0.36	0.32	0.29	0.27	0.25	0.22	0.20	1.10	2.09	2.91	3.37	3.54	3.56	3.56	3.56
G115.0	0.36	0.33	0.30	0.28	0.26	0.24	0.22	1.06	1.99	2.75	3.16	3.29	3.30	3.30	3.30
G117.5	0.40	0.40	0.38	0.31	0.28	0.25	0.22	0.98	1.82	2.54	2.95	3.13	3.16	3.16	3.16
G120.0	0.40	0.40	0.38	0.31	0.28	0.25	0.22	0.93	1.71	2.38	2.78	2.95	2.98	2.98	2.98
G122.5	0.40	0.40	0.38	0.32	0.29	0.26	0.22	0.88	1.62	2.26	2.65	2.82	2.86	2.86	2.86
G125.0	0.44	0.44	0.40	0.33	0.30	0.27	0.24	0.84	1.52	2.11	2.49	2.68	2.73	2.73	2.73
G127.5	0.40	0.38	0.37	0.35	0.33	0.30	0.26	0.82	1.46	2.01	2.37	2.55	2.59	2.59	2.59
G130.0	0.44	0.44	0.43	0.38	0.35	0.31	0.27	0.80	1.40	1.91	2.23	2.39	2.42	2.42	2.42
G132.5	0.40	0.39	0.39	0.38	0.35	0.31	0.27	0.78	1.34	1.83	2.12	2.25	2.28	2.28	2.28
G135.0	0.40	0.40	0.40	0.40	0.32	0.25	0.29	0.76	1.29	1.75	2.03	2.16	2.19	2.19	2.19
G137.5	0.40	0.40	0.40	0.40	0.32	0.25	0.29	0.76	1.29	1.72	1.95	2.04	2.05	2.05	2.05
G140.0	0.40	0.40	0.40	0.40	0.33	0.27	0.31	0.77	1.28	1.69	1.90	1.96	1.96	1.96	1.96
G142.5	0.40	0.40	0.40	0.40	0.33	0.28	0.33	0.80	1.31	1.70	1.87	1.89	1.87	1.87	1.87
G145.0	0.40	0.40	0.40	0.40	0.33	0.28	0.33	0.82	1.33	1.71	1.84	1.82	1.78	1.78	1.78
G147.5	0.40	0.39	0.38	0.38	0.37	0.36	0.35	0.86	1.37	1.74	1.81	1.77	1.73	1.73	1.73
G150.0	0.40	0.39	0.38	0.38	0.37	0.37	0.36	0.89	1.43	1.80	1.76	1.73	1.69	1.69	1.69
G152.5	0.36	0.36	0.37	0.38	0.38	0.37	0.36	0.91	1.47	1.84	1.79	1.74	1.69	1.69	1.69
G155.0	0.37	0.36	0.37	0.38	0.38	0.37	0.36	0.94	1.52	1.89	1.86	1.76	1.69	1.69	1.69
G157.5	0.36	0.36	0.37	0.38	0.38	0.37	0.36	0.93	1.52	1.89	1.86	1.76	1.69	1.69	1.69
G160.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.87	1.41	1.78	1.83	1.79	1.73	1.73	1.73
G162.5	0.36	0.37	0.38	0.37	0.37	0.36	0.36	0.81	1.29	1.65	1.79	1.79	1.77	1.77	1.77
G165.0	0.36	0.36	0.37	0.36	0.36	0.36	0.36	0.74	1.15	1.49	1.68	1.76	1.78	1.78	1.78
G167.5	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.62	0.94	1.25	1.52	1.71	1.77	1.77	1.77
G170.0	0.40	0.40	0.39	0.37	0.37	0.36	0.36	0.52	0.74	1.01	1.30	1.54	1.64	1.64	1.64
G172.5	0.40	0.40	0.38	0.37	0.35	0.34	0.34	0.39	0.48	0.66	0.91	1.15	1.26	1.26	1.26
G175.0	0.40	0.40	0.39	0.38	0.37	0.36	0.36	0.38	0.40	0.41	0.40	0.38	0.37	0.37	0.37
G177.5	0.35	0.35	0.35	0.36	0.35	0.34	0.33	0.34	0.35	0.36	0.36	0.36	0.36	0.36	0.36
G180.0	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36	0.36

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80mm x 125mm

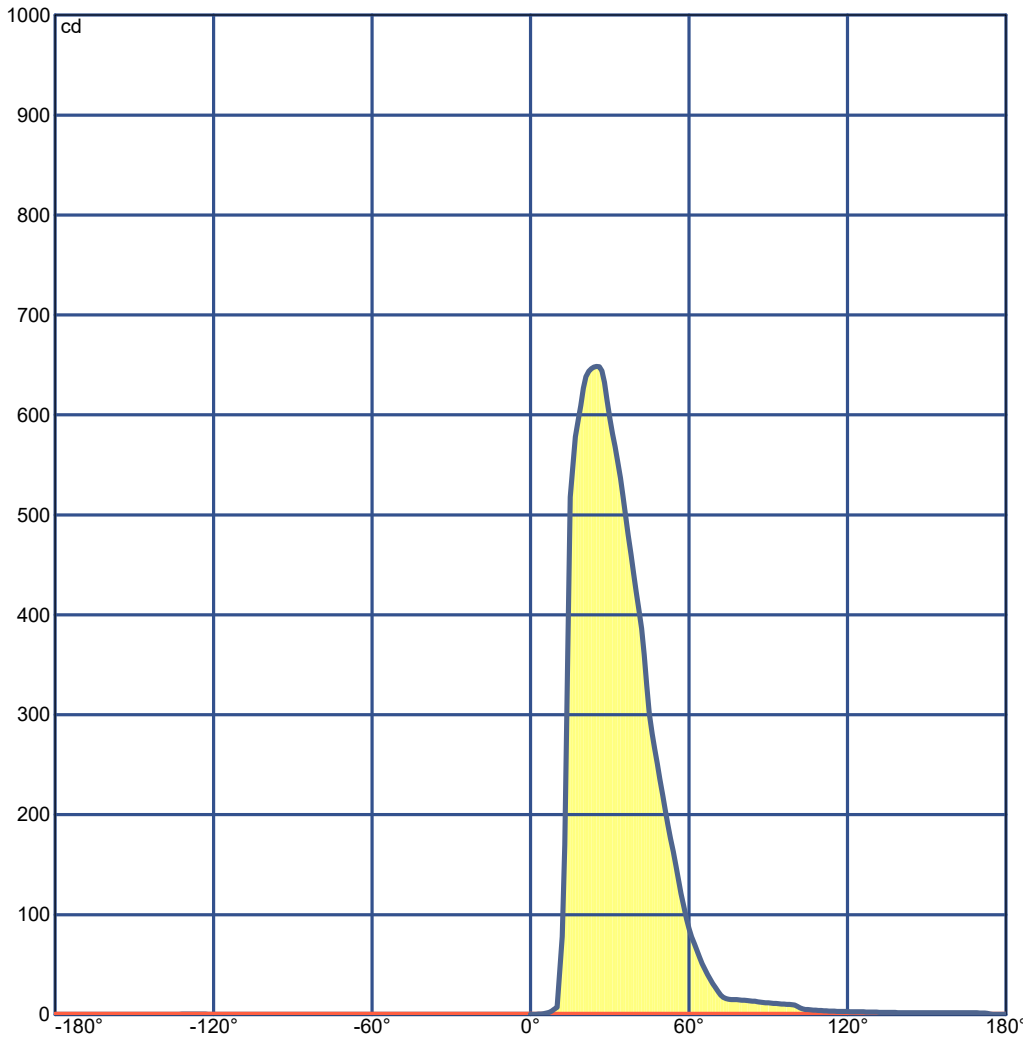
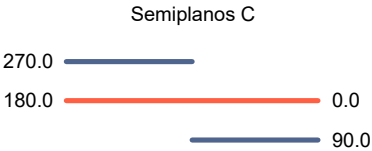
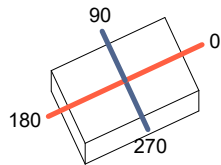
Semiplanos C



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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
Working Plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions										
Room Dimensions	Lateral View					Viewed Endwise				
	x=2H y=2H	x=2H y=3H	x=2H y=4H	x=2H y=6H	x=2H y=8H	x=2H y=12H	x=4H y=2H	x=4H y=3H	x=4H y=4H	x=4H y=6H
x=2H y=2H	17.4	18.4	17.7	18.7	19.0	< 0	< 0	< 0	< 0	< 0
x=2H y=3H	17.4	18.3	17.8	18.6	19.0	< 0	< 0	< 0	< 0	< 0
x=2H y=4H	17.4	18.2	17.7	18.5	18.9	< 0	< 0	< 0	< 0	< 0
x=2H y=6H	17.3	18.1	17.7	18.4	18.8	< 0	< 0	< 0	< 0	< 0
x=2H y=8H	17.2	18.0	17.7	18.4	18.7	< 0	< 0	< 0	< 0	< 0
x=2H y=12H	17.2	17.9	17.6	18.3	18.7	< 0	< 0	< 0	< 0	< 0
x=4H y=2H	19.2	20.0	19.5	20.4	20.7	< 0	< 0	< 0	< 0	< 0
x=4H y=3H	19.4	20.1	19.8	20.5	20.9	< 0	< 0	< 0	< 0	< 0
x=4H y=4H	19.4	20.0	19.8	20.4	20.8	< 0	< 0	< 0	< 0	< 0
x=4H y=6H	19.3	19.9	19.8	20.3	20.8	< 0	< 0	< 0	< 0	< 0
x=4H y=8H	19.3	19.8	19.8	20.3	20.7	< 0	< 0	< 0	< 0	< 0
x=4H y=12H	19.3	19.7	19.8	20.2	20.7	< 0	< 0	< 0	< 0	< 0
x=8H y=4H	19.8	20.3	20.2	20.7	21.2	< 0	< 0	< 0	< 0	< 0
x=8H y=6H	19.8	20.2	20.3	20.7	21.2	< 0	< 0	< 0	< 0	< 0
x=8H y=8H	19.9	20.2	20.4	20.7	21.3	< 0	< 0	< 0	< 0	< 0
x=8H y=12H	19.9	20.2	20.4	20.7	21.3	< 0	< 0	< 0	< 0	< 0
x=12H y=4H	21.2	21.7	21.7	22.1	22.6	< 0	< 0	< 0	< 0	< 0
x=12H y=6H	21.3	21.7	21.8	22.2	22.7	< 0	< 0	< 0	< 0	< 0
x=12H y=8H	21.4	21.7	21.9	22.2	22.8	< 0	< 0	< 0	< 0	< 0

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Flujo Total=293.15 Flujo Luminaria=293.15

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	0.44	0.53	0.60	0.67	0.72	0.79	0.83	0.86	0.89	0.91	0.95	0.97
RC	3	2	2	2	2	2	2	2	2	2	2	3

Flujo Zonal por 1000 Lúmenes

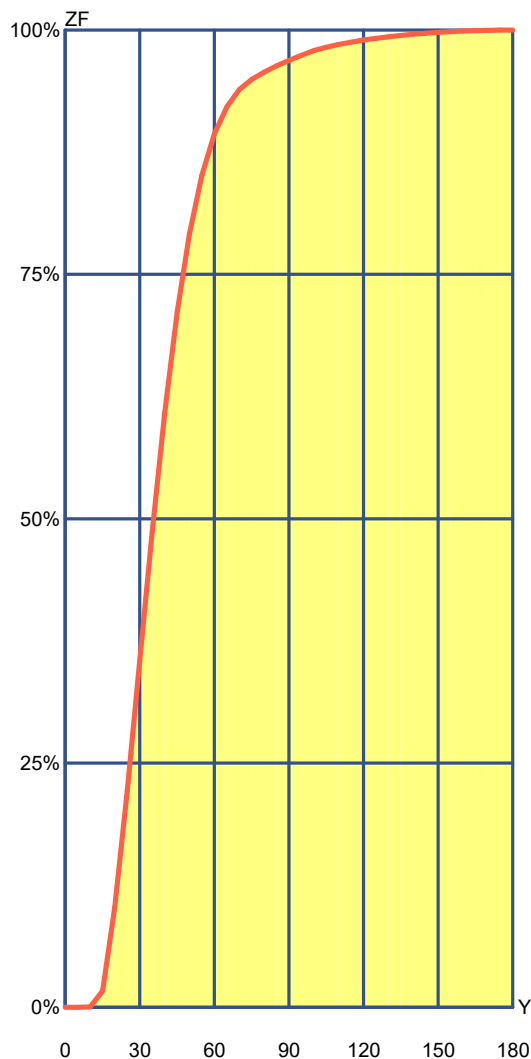
Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	0	102	355	608	791	893	939	957	969	979	985	990	993	996	998	999	1000	1000

Códigos de Flujo C.I.E.

66 92 98 97 100

C.I.E. 3/2/2/2/2/2/2/2/2/3
D DIN 5040 A51
F UTE 0.97 C + 0.03 T
B NBN BZ 3
RN 3.09340 %
BLF 1.0

LOR 100.00000 %
ULOR 3.09340 %
DLOR 96.90660 %
UFF 3.09340 %
DFF 96.90660 %
FFR 3.19215 %



Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00 %	0.00 %
5°	0.04	0.04	0.00 %	0.00 %
10°	0.37	0.41	0.04 %	0.04 %
15°	16.36	16.76	1.64 %	1.68 %
20°	85.69	102.46	8.57 %	10.25 %
25°	119.07	221.53	11.91 %	22.15 %
30°	133.33	354.85	13.33 %	35.49 %
35°	131.92	486.77	13.19 %	48.68 %
40°	121.49	608.26	12.15 %	60.83 %
45°	103.11	711.37	10.31 %	71.14 %
50°	79.63	791.00	7.96 %	79.10 %
55°	60.24	851.24	6.02 %	85.12 %
60°	42.18	893.43	4.22 %	89.34 %
65°	27.86	921.28	2.79 %	92.13 %
70°	17.91	939.19	1.79 %	93.92 %
75°	10.51	949.70	1.05 %	94.97 %
80°	7.12	956.82	0.71 %	95.68 %
85°	6.45	963.27	0.65 %	96.33 %
90°	5.80	969.07	0.58 %	96.91 %
95°	5.19	974.26	0.52 %	97.43 %
100°	4.64	978.90	0.46 %	97.89 %
105°	3.57	982.46	0.36 %	98.25 %
110°	2.80	985.27	0.28 %	98.53 %
115°	2.39	987.66	0.24 %	98.77 %
120°	2.08	989.73	0.21 %	98.97 %
125°	1.81	991.54	0.18 %	99.15 %
130°	1.57	993.12	0.16 %	99.31 %
135°	1.36	994.47	0.14 %	99.45 %
140°	1.17	995.64	0.12 %	99.56 %
145°	1.03	996.66	0.10 %	99.67 %
150°	0.91	997.57	0.09 %	99.76 %
155°	0.79	998.36	0.08 %	99.84 %
160°	0.66	999.03	0.07 %	99.90 %
165°	0.49	999.52	0.05 %	99.95 %
170°	0.31	999.83	0.03 %	99.98 %
175°	0.14	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

Luminaire
Code A646-070
Name Lab B 35
Measurement.
Code CL041A21F015G
Name Lab B 35

Luminaire Flux	293.15 lm	Luminaire Power	8.37 W	Efficacy	35.02 lm/W	Efficiency	100.00%
Sources Flux	293.15 lm	Maximum value	648.46 cd	Position	C=90.00 G=25.00	CG Sym. on planes 270-90	

Isolux (Floor)

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

