

### Luminaria

Código 28401012117  
 Nombre SISAL A/01 TRIAC OUTDOOR MARRÓN-BEIGE CLARO  
 Ensayo  
 Código CL092A19F002G  
 Nombre SISAL A/01 TRIAC OUTDOOR MARRÓN-BEIGE CLARO

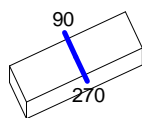
Flujo Luminaria	203.20 lm	Potencia luminaria	10.02 W	Eficacia	20.28 lm/W	Eficiencia	100.00%
Flujo de Lámpara	203.20 lm	Valor Máximo	492.80 cd	Posición	C=240.00 G=5.00	CG	Asimétrico
Luminaria Rectangular		Longit.	100 mm	Anchura	320 mm	Altura	300 mm
Área Luminosa Rectangular		Longit.	100 mm	Anchura	280 mm	Altura	0 mm
Área Luminosa Horizontal			0.028000 m2	Área Emisión sobre Pl. 180°			0.000000 m2
Área Emisión sobre Pl. 0°			0.000000 m2	Área Emisión sobre Pl. 270°			0.000000 m2
Área Emisión sobre Pl. 90°			0.000000 m2	Área de deslumbramiento a 76°			0.006774 m2
Sist. de Coorden.		CG		Tipo de Simetría		Asimétrico	
Fecha		03-05-2019		Máximo Ángulo Gamma		180	
Distancia de Ensayo		6.44		Flujo de Ensayo		203.20 lm	
Operador		Asselum T2		Tensión Nominal		230.26 V	
Temperatura		24.40 °C		Corriente Nominal		0.05 A	
Humedad		40.30 %		Fotocélula		Prc	
Notas		RM19042301.1					

### Lámparas de la Luminaria

Familia	Código LED	Nombre LED	Flujo [lm]	Pot. [W]	Cant.
C.I.E.	72 92 98 96 100	D DIN 5040	203.20	10.02	1
F UTE	0.96 B + 0.04 T	B NBN	A61		
			BZ 1 / 1.5 / BZ 2		



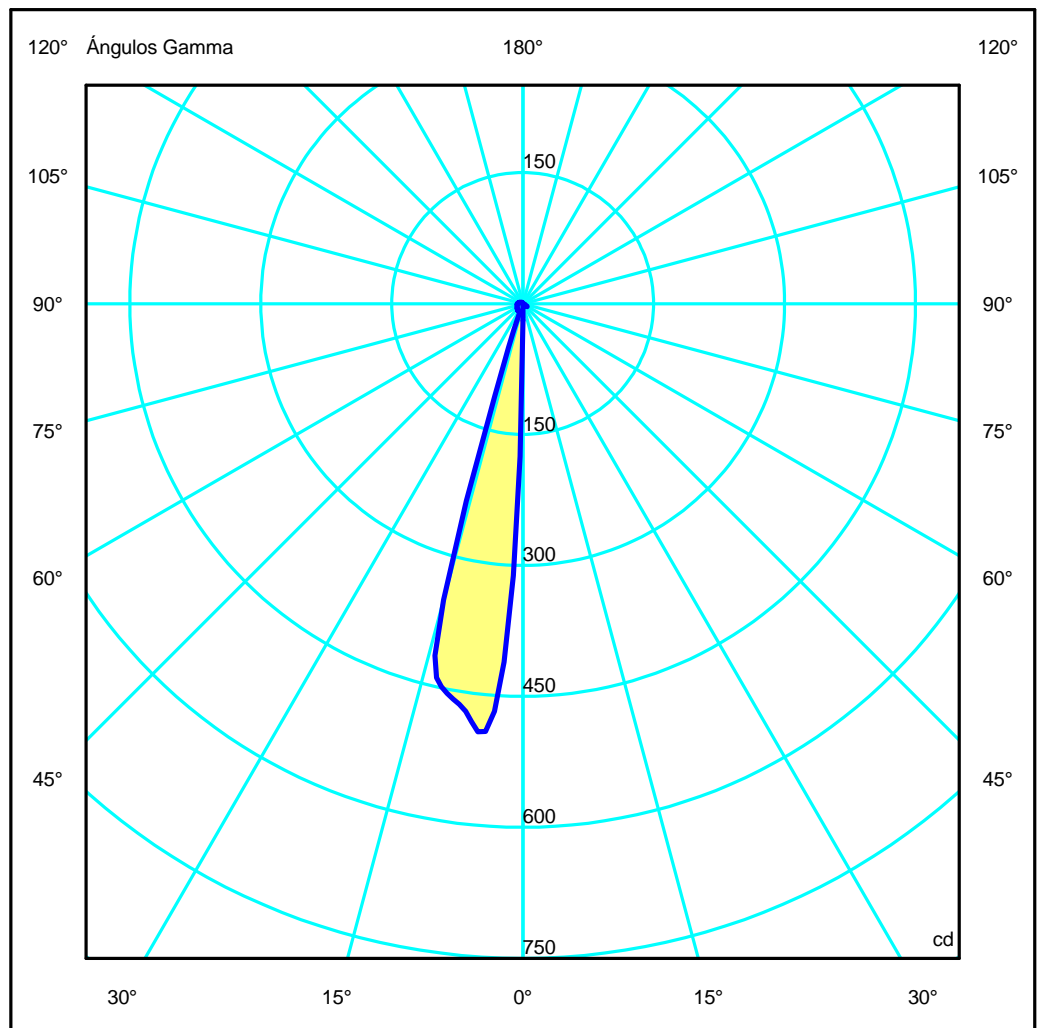
100mm x 320mm



Semiplanos C

270.0 — 90.0

ULOR 3.61 %  
 DLOR 96.39 %  
 RN 3.61 %



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**Tabla de Intensidad Luminosa cd      Tabla 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	19	19	19	19	19	19	19	19	19	19	19	19	19
G 2.5	40	29	21	15	10	8	7	8	10	15	21	29	40
G 5.0	91	33	14	5	1	0	0	0	1	5	14	33	91
G 7.5	159	30	10	2	1	0	0	0	1	2	10	30	159
G 10.0	229	30	6	1	1	0	0	0	1	1	6	30	229
G 12.5	285	29	3	1	1	0	0	0	1	1	3	29	285
G 15.0	314	24	3	1	1	0	0	0	1	1	3	24	314
G 17.5	305	16	2	1	1	0	0	0	1	1	2	16	305
G 20.0	267	10	2	1	1	0	0	0	1	1	2	10	267
G 22.5	212	7	2	1	1	0	0	0	1	1	2	7	212
G 25.0	152	6	2	1	1	0	0	0	1	1	2	6	152
G 27.5	102	5	2	1	1	0	0	0	1	1	2	5	102
G 30.0	73	5	2	1	1	0	0	0	1	1	2	5	73
G 32.5	74	7	2	1	1	1	1	1	1	1	2	7	74
G 35.0	99	8	3	1	1	1	1	1	1	1	3	8	99
G 37.5	139	9	3	1	1	1	1	1	1	1	3	9	139
G 40.0	183	10	3	1	1	1	1	1	1	1	3	10	183
G 42.5	222	10	3	1	1	1	1	1	1	1	3	10	222
G 45.0	245	9	3	1	1	1	1	1	1	1	3	9	245
G 47.5	245	8	2	1	1	1	2	1	1	1	2	8	245
G 50.0	226	7	2	1	1	2	3	2	1	1	2	7	226
G 52.5	193	6	2	1	2	3	5	3	2	1	2	6	193
G 55.0	154	5	2	1	3	4	6	4	3	1	2	5	154
G 57.5	113	4	2	1	3	5	5	5	3	1	2	4	113
G 60.0	78	3	2	2	4	4	3	4	4	2	2	3	78
G 62.5	60	3	2	2	3	3	2	3	3	2	2	3	60
G 65.0	47	2	1	2	2	2	2	2	2	2	1	2	47
G 67.5	38	2	1	2	1	1	1	1	1	2	1	2	38
G 70.0	30	2	1	1	1	1	1	1	1	1	1	2	30
G 72.5	24	1	1	1	1	1	1	1	1	1	1	1	24
G 75.0	19	1	1	1	1	1	0	1	1	1	1	1	19
G 77.5	16	1	1	1	1	1	0	1	1	1	1	1	16
G 80.0	13	1	1	1	1	0	0	0	1	1	1	1	13
G 82.5	9	1	1	1	1	0	0	0	1	1	1	1	9
G 85.0	6	1	1	1	1	0	0	0	1	1	1	1	6
G 87.5	3	1	1	0	0	0	0	0	0	0	1	1	3
G 90.0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0
G100.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G102.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G107.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G115.0	1	0	0	0	0	0	0	0	0	0	0	0	1
G117.5	1	0	0	0	0	0	0	0	0	0	0	0	1
G120.0	1	0	0	0	0	0	0	0	0	0	0	0	1
G122.5	1	0	0	0	0	0	0	0	0	0	0	0	1
G125.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G127.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G130.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G132.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G135.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G137.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G140.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G142.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G145.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G147.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G150.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G152.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G155.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G157.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G160.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0	0	0	0	0	0	0

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Flujo de Lámpara	203.20 lm	Valor Máximo	492.80 cd	Posición	C=240.00 G=5.00	CG	Asimétrico

**Tabla de Intensidad Luminosa cd      Tabla 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	19	19	19	19	19	19	19	19	19	19	19
G 2.5	55	107	203	292	348	367	348	292	203	107	55
G 5.0	180	386	491	493	492	492	492	493	491	386	180
G 7.5	335	491	486	481	477	476	477	481	486	491	335
G 10.0	442	481	472	464	461	460	461	464	472	481	442
G 12.5	476	467	454	436	438	445	438	436	454	467	476
G 15.0	473	452	423	371	339	351	339	371	423	452	473
G 17.5	459	434	352	197	84	62	84	197	352	434	459
G 20.0	443	422	152	42	23	13	23	42	152	422	443
G 22.5	428	385	63	13	9	9	9	13	63	385	428
G 25.0	413	335	20	10	9	9	9	10	20	335	413
G 27.5	397	232	9	10	10	9	10	10	9	232	397
G 30.0	380	122	9	10	9	9	9	10	9	122	380
G 32.5	362	63	9	9	10	10	10	9	9	63	362
G 35.0	343	36	9	10	10	10	10	10	9	36	343
G 37.5	315	18	8	9	9	10	9	9	8	18	315
G 40.0	263	9	8	9	9	9	9	9	8	9	263
G 42.5	190	8	8	9	9	9	9	9	8	8	190
G 45.0	113	7	8	8	9	9	9	8	8	7	113
G 47.5	67	7	8	8	8	9	8	8	7	7	67
G 50.0	49	7	7	8	8	9	8	8	7	7	49
G 52.5	37	6	7	7	8	8	8	7	6	6	37
G 55.0	27	6	6	7	8	8	8	7	6	6	27
G 57.5	19	6	6	7	8	8	8	7	6	6	19
G 60.0	14	5	6	7	7	8	7	7	6	5	14
G 62.5	11	5	5	6	7	8	7	6	5	5	11
G 65.0	9	4	5	6	7	7	7	6	5	4	9
G 67.5	7	4	5	6	7	7	7	6	5	4	7
G 70.0	5	4	5	6	7	7	7	6	5	4	5
G 72.5	4	4	5	6	7	7	7	6	5	4	4
G 75.0	3	4	5	5	7	7	7	5	5	4	3
G 77.5	3	3	4	5	6	7	6	5	4	3	3
G 80.0	3	3	4	5	6	7	6	5	4	3	3
G 82.5	2	3	4	5	6	7	6	5	4	3	2
G 85.0	2	3	4	5	6	6	6	5	4	3	2
G 87.5	2	3	4	5	6	6	6	5	4	3	2
G 90.0	2	3	4	5	6	6	6	5	4	3	2
G 92.5	2	3	4	5	5	6	5	5	4	3	2
G 95.0	2	3	3	4	5	6	5	4	3	3	2
G 97.5	2	3	3	4	5	6	5	4	3	3	2
G100.0	2	2	3	4	5	5	5	4	3	2	2
G102.5	2	2	3	4	4	5	4	4	3	2	2
G105.0	2	2	3	4	4	5	4	4	3	2	2
G107.5	2	2	3	3	4	4	4	3	3	2	2
G110.0	2	2	3	3	4	4	4	3	3	2	2
G112.5	2	2	3	3	4	4	4	3	3	2	2
G115.0	1	2	2	3	4	4	4	3	2	2	1
G117.5	1	2	2	3	3	4	3	3	2	2	1
G120.0	1	2	2	3	3	3	3	3	2	2	1
G122.5	1	2	2	2	3	3	3	2	2	2	1
G125.0	1	1	2	2	3	3	3	2	2	1	1
G127.5	1	1	2	2	2	3	2	2	2	1	1
G130.0	1	1	2	2	2	3	2	2	2	1	1
G132.5	1	1	1	2	2	2	2	2	1	1	1
G135.0	1	1	1	2	2	2	2	2	1	1	1
G137.5	1	1	1	2	2	2	2	2	1	1	1
G140.0	1	1	1	1	2	2	2	1	1	1	1
G142.5	1	1	1	1	1	2	1	1	1	1	1
G145.0	1	1	1	1	1	1	1	1	1	1	1
G147.5	1	0	1	1	1	1	1	1	1	0	1
G150.0	0	0	1	1	1	1	1	1	1	0	0
G152.5	0	0	0	1	1	1	1	1	0	0	0
G155.0	0	0	0	0	1	1	1	0	0	0	0
G157.5	0	0	0	0	1	1	1	0	0	0	0
G160.0	0	0	0	0	0	0	0	0	0	0	0
G162.5	0	0	0	0	0	0	0	0	0	0	0
G165.0	0	0	0	0	0	0	0	0	0	0	0
G167.5	0	0	0	0	0	0	0	0	0	0	0
G170.0	0	0	0	0	0	0	0	0	0	0	0
G172.5	0	0	0	0	0	0	0	0	0	0	0
G175.0	0	0	0	0	0	0	0	0	0	0	0
G177.5	0	0	0	0	0	0	0	0	0	0	0
G180.0	0	0	0	0	0	0	0	0	0	0	0

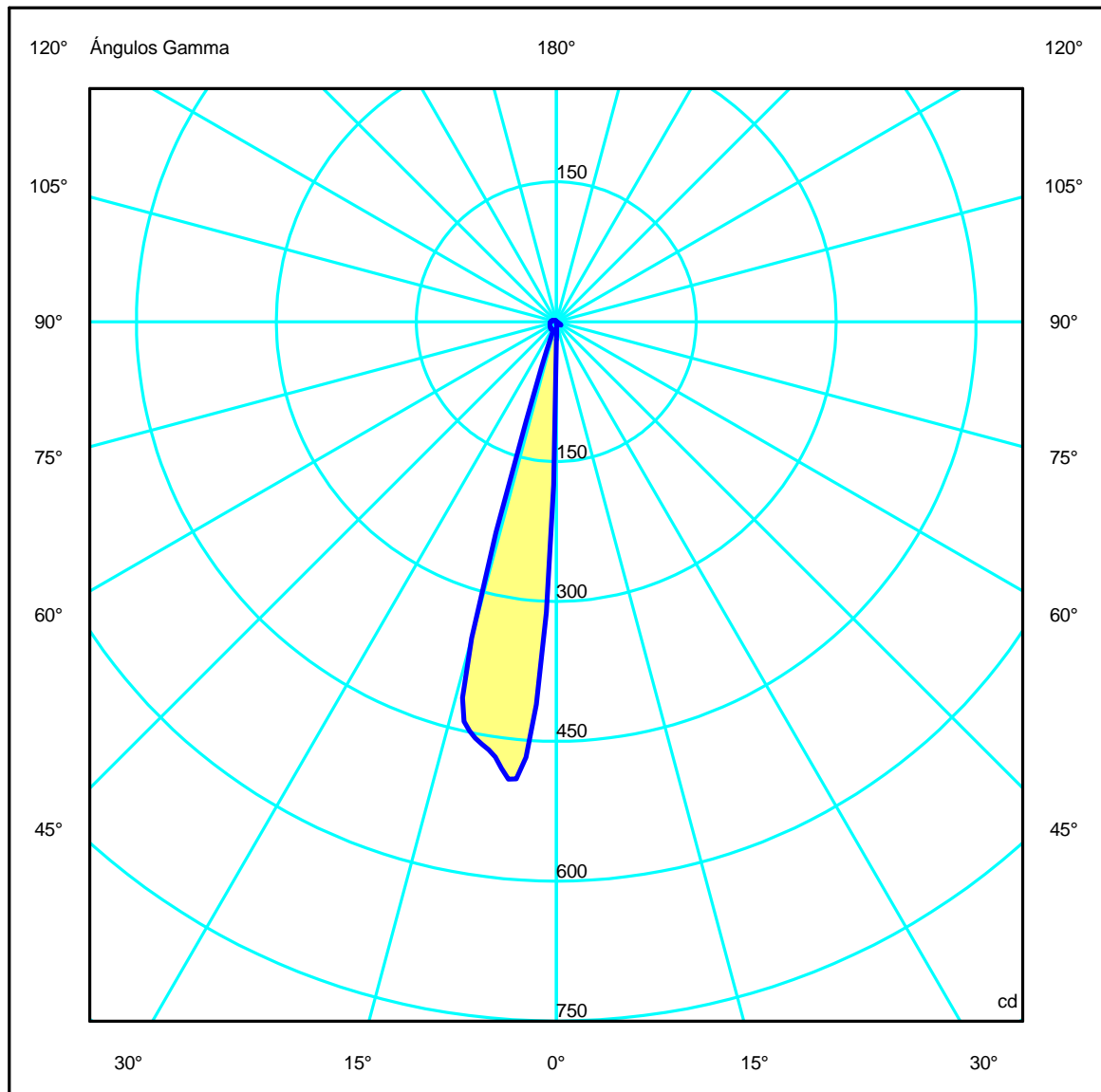
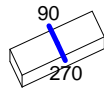
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100mm x 320mm

Semiplanos C

270.0 ————— 90.0



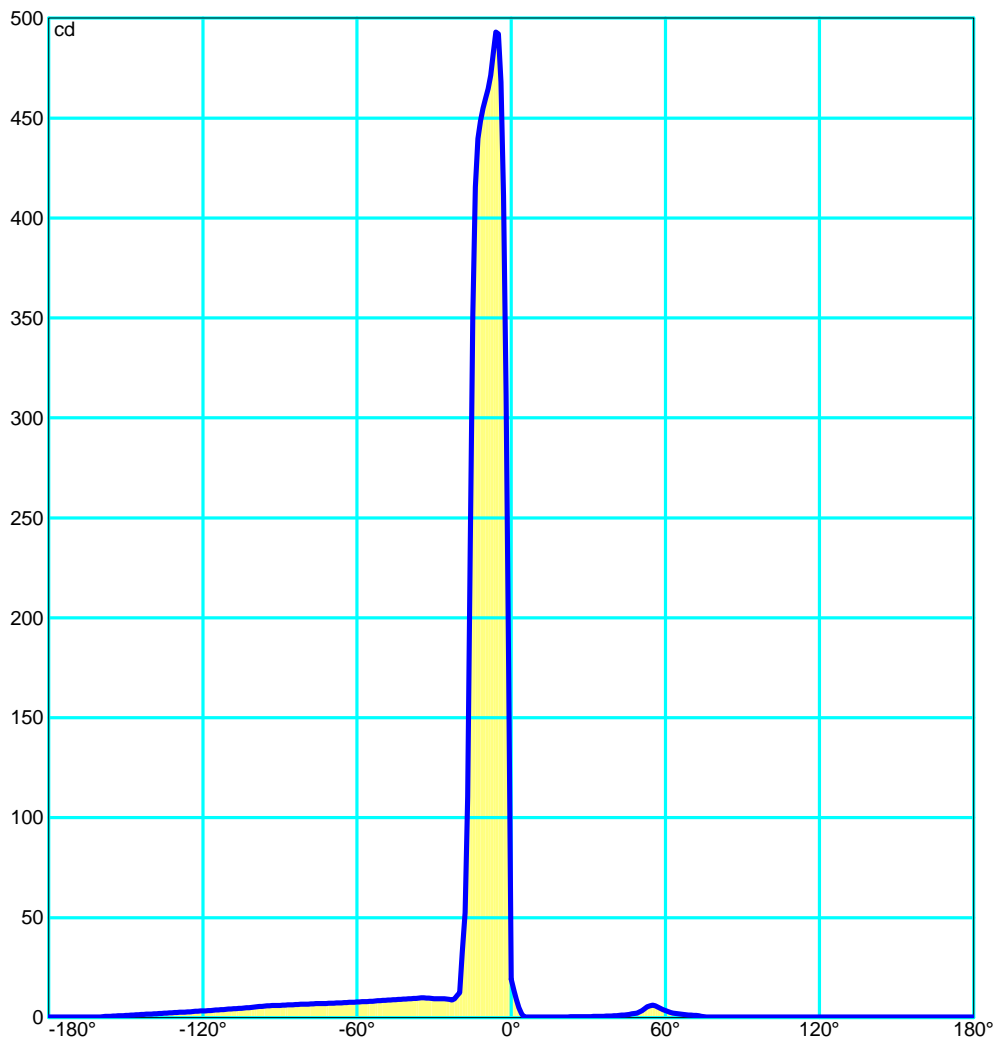
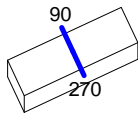
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Flujo Total=203.20 Flujo Luminaria=203.20

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	0.50	0.57	0.64	0.70	0.74	0.81	0.85	0.88	0.91	0.92	0.96	0.98
RC	2	2	2	2	2	2	2	2	2	2	2	1

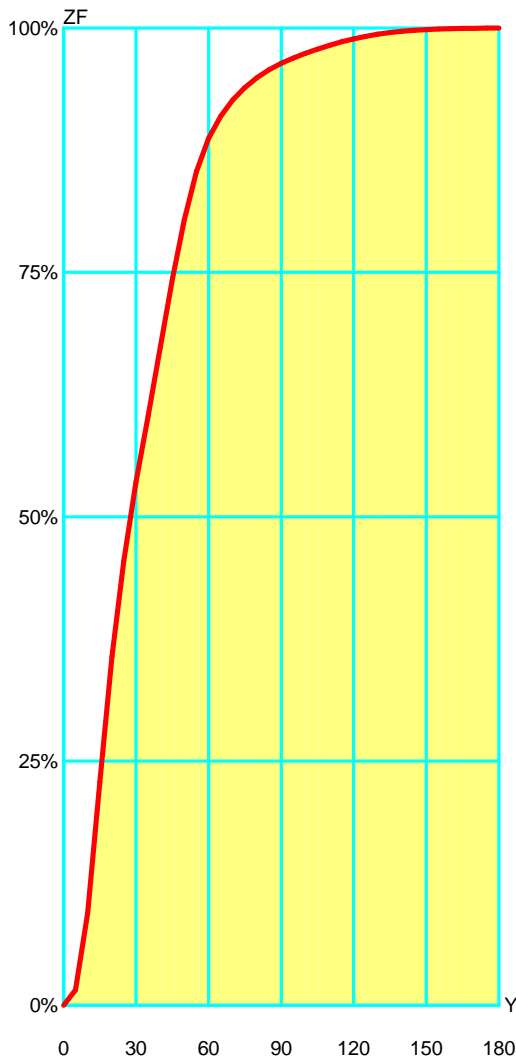
Flujo Zonal por 1000 Lúmenes

Y°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ZF(Y)	94	357	536	673	804	887	926	949	964	974	982	989	994	997	999	999	1000	1000

Códigos de Flujo C.I.E.

72 92 98 96 100

C.I.E.	2/2/2/2/2/2/2/2/2/1	LOR	100.00000 %
D DIN 5040	A61	ULOR	3.61396 %
F UTE	0.96 B + 0.04 T	DLOR	96.38604 %
B NBN	BZ 1 / 1.5 / BZ 2	UFF	3.61396 %
RN	3.61396 %	DFF	96.38604 %
BLF	1.0	FFR	3.74947 %



Gamma °	Flujo Zonal			
	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00%
5°	15.67	15.67	1.57%	1.57%
10°	78.76	94.43	7.88%	9.44%
15°	133.76	228.19	13.38%	22.82%
20°	128.92	357.10	12.89%	35.71%
25°	97.91	455.02	9.79%	45.50%
30°	80.58	535.59	8.06%	53.56%
35°	67.28	602.87	6.73%	60.29%
40°	70.63	673.49	7.06%	67.35%
45°	69.88	743.38	6.99%	74.34%
50°	60.33	803.71	6.03%	80.37%
55°	49.44	853.15	4.94%	85.31%
60°	34.21	887.36	3.42%	88.74%
65°	22.55	909.91	2.25%	90.99%
70°	16.51	926.42	1.65%	92.64%
75°	12.66	939.07	1.27%	93.91%
80°	10.11	949.18	1.01%	94.92%
85°	8.25	957.42	0.82%	95.74%
90°	6.44	963.86	0.64%	96.39%
95°	5.33	969.19	0.53%	96.92%
100°	4.86	974.05	0.49%	97.41%
105°	4.38	978.44	0.44%	97.84%
110°	3.96	982.39	0.40%	98.24%
115°	3.50	985.90	0.35%	98.59%
120°	3.04	988.94	0.30%	98.89%
125°	2.59	991.53	0.26%	99.15%
130°	2.13	993.66	0.21%	99.37%
135°	1.73	995.39	0.17%	99.54%
140°	1.36	996.75	0.14%	99.67%
145°	1.04	997.78	0.10%	99.78%
150°	0.74	998.53	0.07%	99.85%
155°	0.52	999.05	0.05%	99.90%
160°	0.36	999.41	0.04%	99.94%
165°	0.25	999.66	0.03%	99.97%
170°	0.18	999.84	0.02%	99.98%
175°	0.12	999.96	0.01%	100.00%
180°	0.04	1000.00	0.00%	100.00%

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 Código CL092A19F002G  
 Nombre SISAL A/01 TRIAC OUTDOOR MARRÓN-BEIGE CLARO

Flujo Luminaria	203.20 lm	Potencia luminaria	10.02 W	Eficacia	20.28 lm/W	Eficiencia	100.00%
Flujo de Lámpara	203.20 lm	Valor Máximo	492.80 cd	Posición	C=240.00 G=5.00	CG	Asimétrico

**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	19.4	20.3	19.7	20.6	20.9	4.7	5.7	5.0	5.9	6.2
x=2H y=3H	19.9	20.7	20.2	21.0	21.3	7.9	8.7	8.2	9.0	9.3
x=2H y=4H	20.1	20.9	20.5	21.2	21.6	9.7	10.5	10.0	10.8	11.2
x=2H y=6H	20.4	21.1	20.8	21.5	21.8	11.7	12.4	12.1	12.8	13.1
x=2H y=8H	20.5	21.2	20.9	21.6	22.0	12.8	13.5	13.2	13.9	14.3
x=2H y=12H	20.7	21.3	21.1	21.7	22.1	14.1	14.8	14.5	15.2	15.6
x=4H y=2H	19.2	20.0	19.5	20.3	20.6	5.5	6.3	5.8	6.6	6.9
x=4H y=3H	19.6	20.3	20.0	20.7	21.1	8.8	9.5	9.2	9.9	10.2
x=4H y=4H	19.9	20.5	20.3	20.9	21.3	10.8	11.4	11.2	11.8	12.2
x=4H y=6H	20.2	20.7	20.6	21.1	21.6	13.1	13.6	13.5	14.0	14.5
x=4H y=8H	20.3	20.8	20.8	21.3	21.8	14.3	14.8	14.8	15.3	15.7
x=4H y=12H	20.5	21.0	21.1	21.4	21.9	15.8	16.2	16.3	16.7	17.2
x=8H y=4H	19.7	20.2	20.2	20.7	21.2	11.2	11.7	11.7	12.2	12.6
x=8H y=6H	20.1	20.4	20.6	20.9	21.5	13.8	14.2	14.3	14.6	15.2
x=8H y=8H	20.3	20.6	20.8	21.1	21.7	15.3	15.6	15.8	16.1	16.7
x=8H y=12H	20.5	20.7	21.0	21.3	21.9	17.0	17.3	17.5	17.8	18.4
x=12H y=4H	19.7	20.2	20.2	20.6	21.1	11.3	11.7	11.8	12.2	12.7
x=12H y=6H	20.1	20.4	20.6	20.9	21.4	13.9	14.3	14.5	14.8	15.3
x=12H y=8H	20.2	20.5	20.8	21.1	21.6	15.5	15.8	16.1	16.3	16.9

**Luminaria**

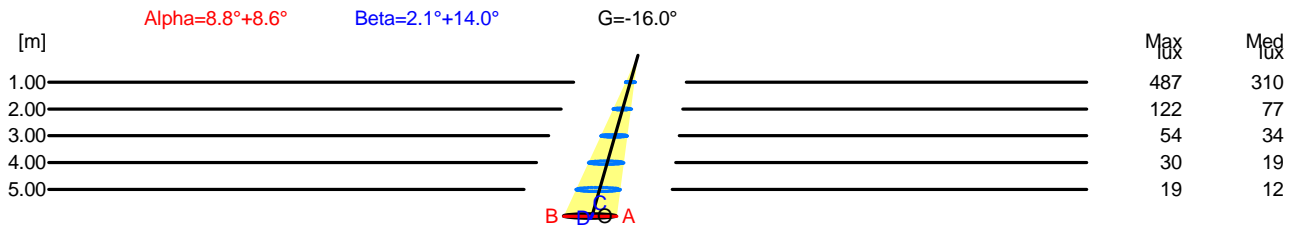
Código 28401012117  
 Nombre SISAL A/01 TRIAC OUTDOOR MARRÓN-BEIGE CLARO  
**Ensayo**  
 Código CL092A19F002G  
 Nombre SISAL A/01 TRIAC OUTDOOR MARRÓN-BEIGE CLARO

Flujo Luminaria	203.20 lm	Potencia luminaria	10.02 W	Eficacia	20.28 lm/W	Eficiencia	100.00%
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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	0.16	0.31	0.47	0.62	0.78	OC	0.04	0.08	0.11	0.15	0.19
OB	0.17	0.35	0.52	0.70	0.87	OD	0.26	0.52	0.78	1.04	1.30

		Intensidades Luminosas [ cd ]									
	0	5	15	25	35	45	55	65	75	85	
OA	19.13	91.07	314.18	152.46	99.23	244.51	153.61	47.39	19.31	5.93	
OB	19.13	91.07	314.18	152.46	99.23	244.51	153.61	47.39	19.31	5.93	
OC	19.13	0.27	0.31	0.40	0.62	1.46	6.15	1.82	0.44	0.31	
OD	19.13	492.02	351.20	9.29	9.82	8.96	8.10	7.44	6.98	6.43	



H[m]	D[m]	Max lux	Med lux	Alpha=8.8°+8.6°	G=-16.0	
1.00	0.33	487	310			
2.00	0.66	122	77			
3.00	0.99	54	34			
4.00	1.32	30	19			
5.00	1.66	19	12			

H[m]	D[m]	Max lux	Med lux	Beta=14.0°+2.1°	G=0.0	
1.00	0.30	487	310			
2.00	0.59	122	77			
3.00	0.89	54	34			
4.00	1.19	30	19			
5.00	1.49	19	12			



**Luminaria**

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Isolux (Suelo)

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

