Luminaria
Código 36501012357
Nombre FANALET A01 TRIAC
Ensayo
Código CL092A24D013GP
Nombre FANALET A01 TRIAC

Flujo Luminaria	527 lm	Potencia Luminaria	16.8 W	Eficacia	31.369 lm/W	Eficiencia	100.00%
Flujo Fuente	527 lm	Valor Máximo	252.65 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

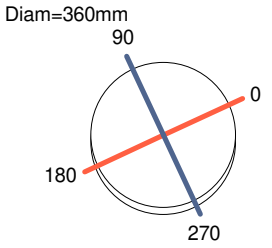
Luminaria Redonda	Diam. 360 mm	Altura	130 mm
Área Luminosa Redonda	Diam. 200 mm	Altura	60 mm
Área Luminosa Horizontal	0.031416 m2	Área Emisión sobre Pl. 180°	0.012000 m2
Área Emisión sobre Pl. 0°	0.012000 m2	Área Emisión sobre Pl. 270°	0.012000 m2
Área Emisión sobre Pl. 90°	0.012000 m2	Área de deslumbramiento a 76°	0.019244 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	23-10-2024	Máximo Ángulo Gamma	90
Distancia de Ensayo	6.49	Flujo de Ensayo	527 lm
Operador	Asselum T2	Tensión Nominal	230.22 V
Temperatura	25.10 °C	Corriente Nominal	0.09 A
Humedad	49.10 %	Fotocélula	Czibula Grundmann
Notas	RM24091801		

Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	2836 LM281B+PRO (VK)	SAMSUNG	527.00	16.80	1

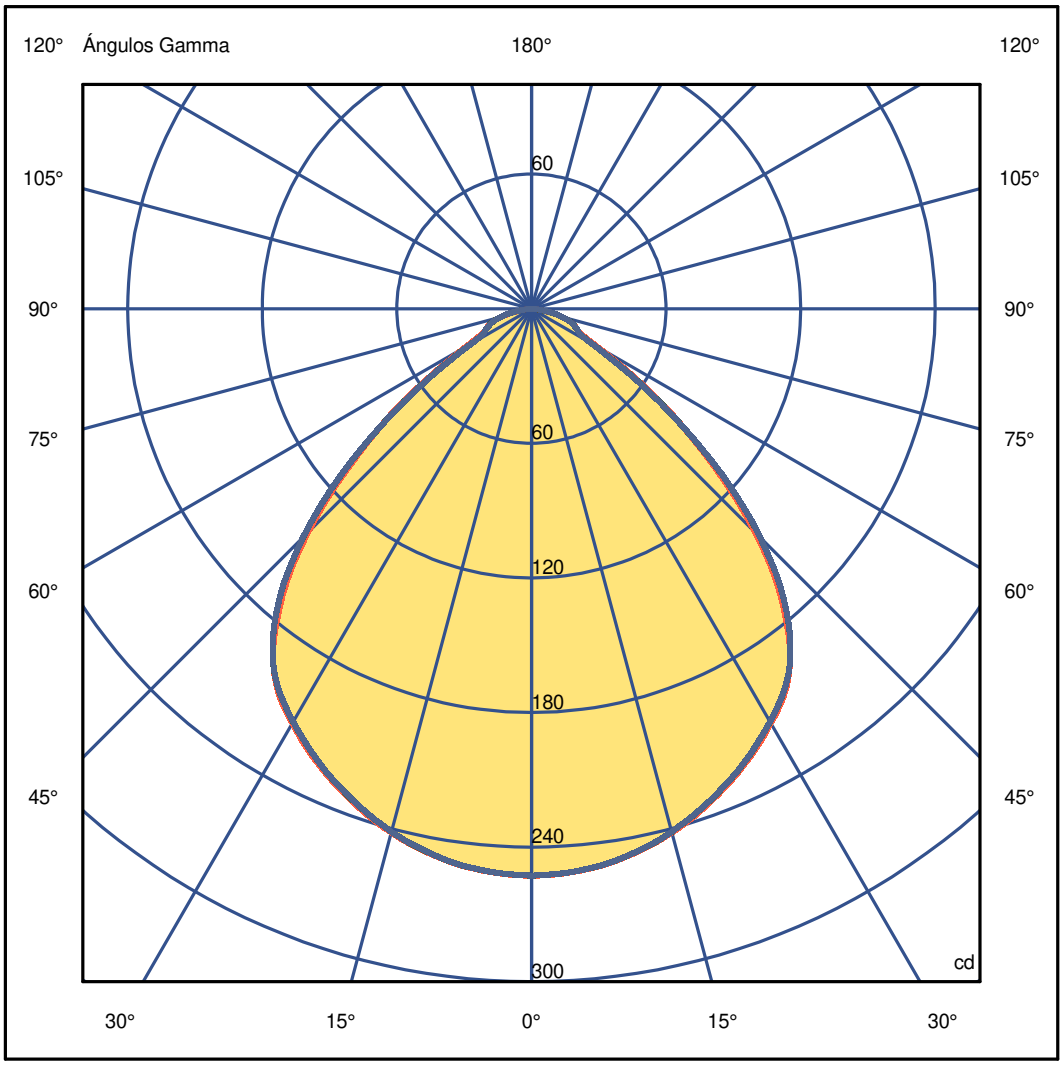
C.I.E.	64 92 98 100 100	D DIN 5040	A50
F UTE	1.00 C	B NBN	BZ 3





Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 0.00 %
DLOR100.00 %
RN 0.00 %



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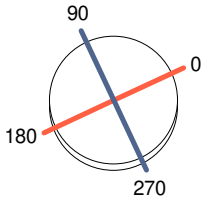
Tabla de Intensidad Luminosa cd **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	252.65	252.65	252.65	252.65	252.65	252.65	252.65
G 2.5	252.31	252.39	252.33	252.39	252.30	252.26	252.18
G 5.0	251.35	251.44	251.43	251.33	251.36	251.28	251.22
G 7.5	249.89	249.96	249.83	249.80	249.87	249.74	249.74
G 10.0	247.66	247.79	247.72	247.68	247.65	247.56	247.47
G 12.5	244.98	245.00	244.87	244.94	244.79	244.79	244.67
G 15.0	241.69	241.70	241.55	241.49	241.51	241.35	241.31
G 17.5	238.01	237.95	237.68	237.63	237.50	237.44	237.39
G 20.0	233.68	233.64	233.44	233.40	233.23	233.10	233.11
G 22.5	229.18	229.13	228.92	228.91	228.66	228.53	228.52
G 25.0	224.23	224.18	223.99	223.93	223.71	223.55	223.61
G 27.5	219.06	218.86	218.69	218.61	218.36	218.21	218.18
G 30.0	213.26	213.29	213.07	213.08	212.81	212.72	212.50
G 32.5	207.49	207.21	207.10	206.98	206.80	206.66	206.59
G 35.0	199.86	199.87	199.76	199.86	199.64	199.80	199.49
G 37.5	189.07	189.18	189.10	189.37	189.43	189.57	189.48
G 40.0	175.24	175.72	175.95	176.28	176.70	176.89	177.23
G 42.5	159.60	159.70	160.43	160.83	161.32	161.86	161.89
G 45.0	141.04	141.35	142.05	142.95	143.87	143.95	144.15
G 47.5	121.38	121.42	122.37	123.28	123.77	124.24	124.74
G 50.0	101.23	101.47	102.04	102.78	103.16	103.16	103.60
G 52.5	82.60	82.11	82.60	82.18	82.55	82.55	82.18
G 55.0	64.20	63.66	63.30	62.81	62.25	62.28	62.55
G 57.5	47.07	46.85	46.04	45.56	44.98	44.41	44.78
G 60.0	33.58	32.50	32.51	31.70	31.48	31.04	31.05
G 62.5	25.69	24.92	25.13	24.64	24.61	24.32	24.40
G 65.0	22.84	22.84	22.93	22.93	22.88	22.72	22.70
G 67.5	21.29	21.29	21.43	21.47	21.37	21.18	21.16
G 70.0	19.56	19.44	19.69	19.83	19.66	19.38	19.50
G 72.5	17.41	17.24	17.54	17.72	17.50	17.19	17.33
G 75.0	14.56	14.44	14.73	14.86	14.73	14.44	14.55
G 77.5	11.16	11.06	11.32	11.52	11.34	11.08	11.25
G 80.0	7.54	7.53	7.70	7.84	7.74	7.51	7.67
G 82.5	4.33	4.45	4.58	4.65	4.63	4.46	4.47
G 85.0	2.41	2.53	2.63	2.60	2.59	2.54	2.40
G 87.5	1.34	1.45	1.53	1.52	1.55	1.49	1.36
G 90.0	0.79	0.72	0.80	0.77	0.78	0.70	0.65

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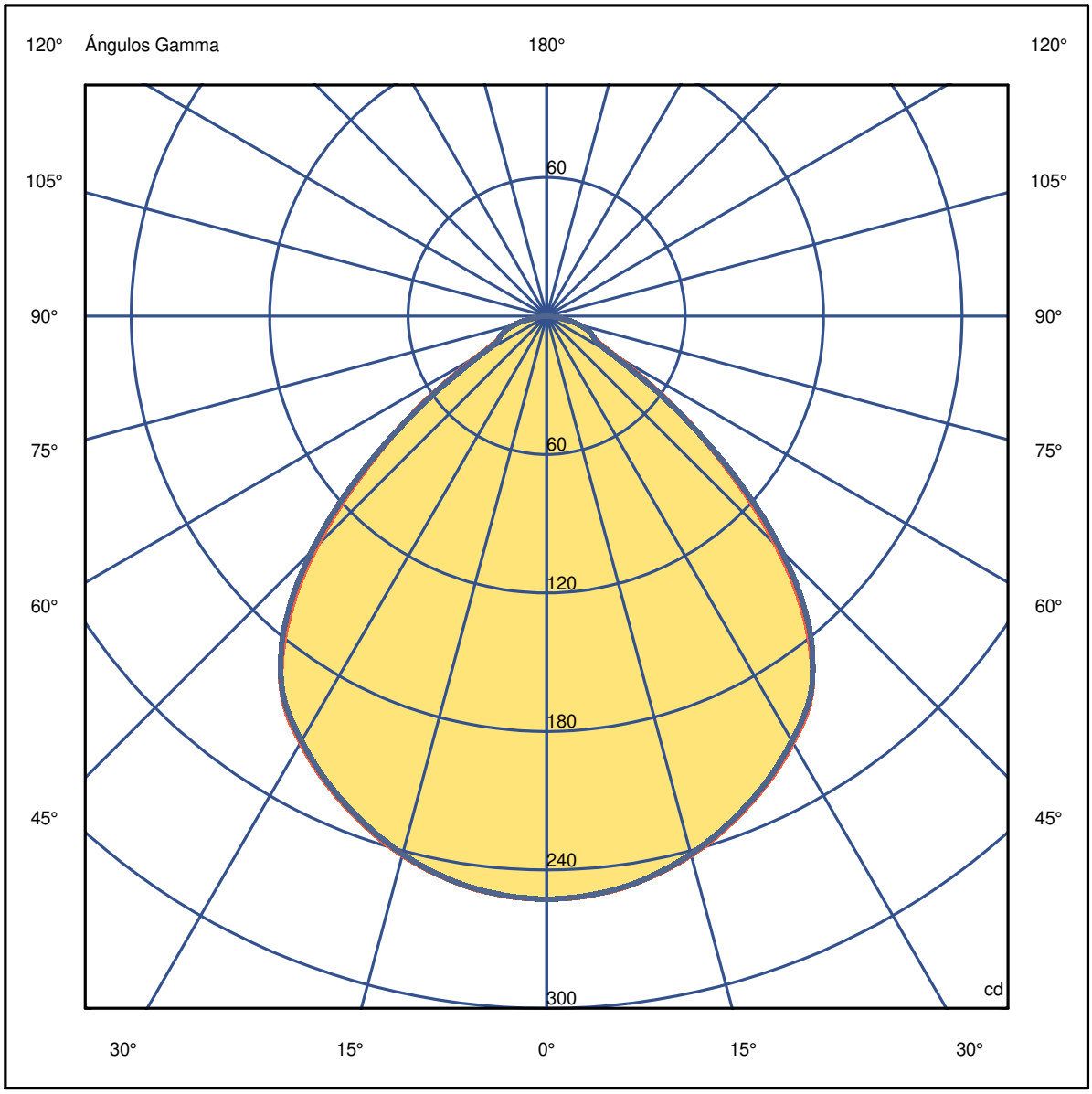
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Flujo Fuente	527 lm	Valor Máximo	252.65 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=360mm



Semiplanos C

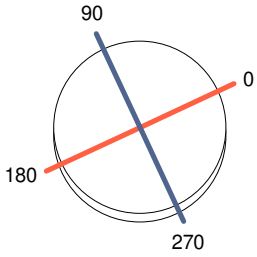
180.0 0.0
270.0 90.0



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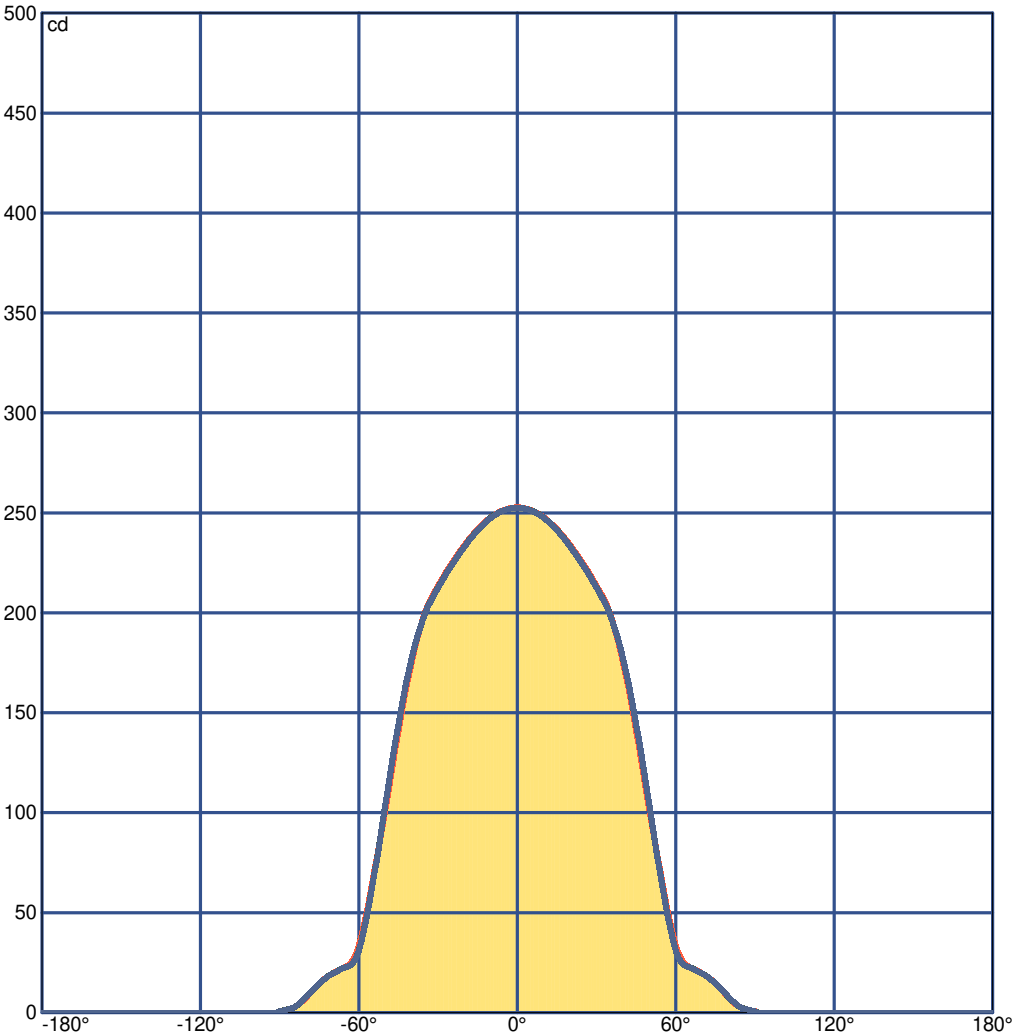
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Semiplanos C





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Flujo Fuente	527 lm	Valor Máximo	252.65 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

UGR
S = 0.250

Reflectancias										
Techo/Cavidad	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Paredes	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
PDT	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Dimensiones del Local	Vista Lateral					Vista Longitudinal				
x=2H y=2H	15.2	16.3	15.5	16.5	16.8	15.2	16.3	15.5	16.5	16.8
x=2H y=3H	15.5	16.4	15.8	16.7	16.9	15.5	16.4	15.8	16.7	16.9
x=2H y=4H	15.6	16.5	15.9	16.8	17.0	15.6	16.5	15.9	16.8	17.0
x=2H y=6H	15.6	16.5	16.0	16.8	17.1	15.6	16.5	16.0	16.8	17.1
x=2H y=8H	15.6	16.4	16.0	16.7	17.0	15.6	16.4	16.0	16.7	17.0
x=2H y=12H	15.6	16.4	16.0	16.7	17.0	15.6	16.4	16.0	16.7	17.0
x=4H y=2H	15.2	16.2	15.6	16.4	16.7	15.2	16.2	15.6	16.4	16.7
x=4H y=3H	15.6	16.4	16.0	16.7	17.0	15.6	16.4	16.0	16.7	17.0
x=4H y=4H	15.9	16.5	16.2	16.9	17.2	15.9	16.5	16.2	16.9	17.2
x=4H y=6H	16.0	16.6	16.4	16.9	17.3	16.0	16.6	16.4	16.9	17.3
x=4H y=8H	16.0	16.5	16.4	16.9	17.3	16.0	16.5	16.4	16.9	17.3
x=4H y=12H	16.0	16.4	16.4	16.9	17.3	16.0	16.4	16.4	16.9	17.3
x=8H y=4H	15.9	16.4	16.3	16.8	17.2	15.9	16.4	16.3	16.8	17.2
x=8H y=6H	16.1	16.5	16.5	16.9	17.4	16.1	16.5	16.5	16.9	17.4
x=8H y=8H	16.1	16.5	16.6	16.9	17.4	16.1	16.5	16.6	16.9	17.4
x=8H y=12H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9	17.4
x=12H y=4H	15.9	16.4	16.3	16.8	17.2	15.9	16.4	16.3	16.8	17.2
x=12H y=6H	16.1	16.4	16.5	16.9	17.3	16.1	16.4	16.5	16.9	17.3
x=12H y=8H	16.1	16.4	16.6	16.9	17.4	16.1	16.4	16.6	16.9	17.4

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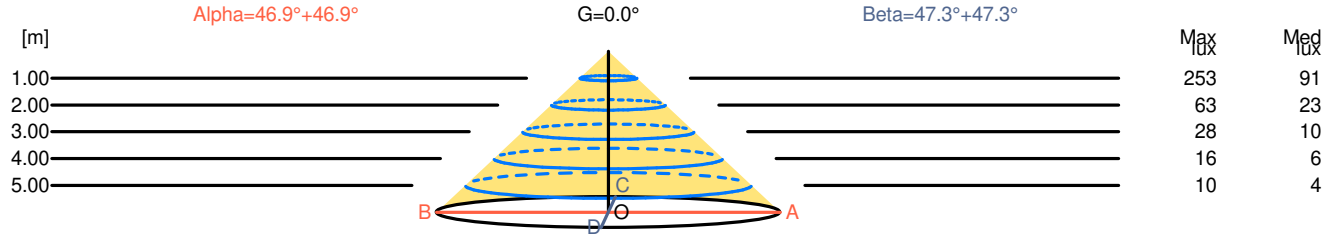
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Apertura a 50.00 % de Max Intensidad

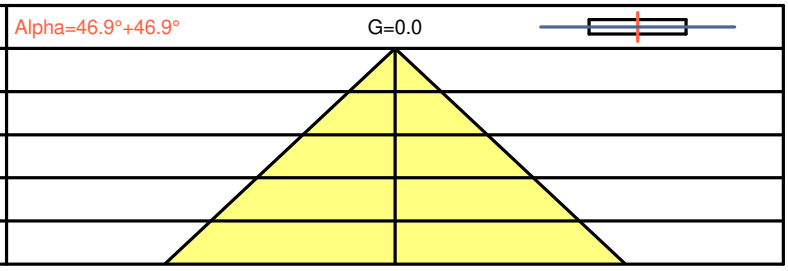
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.07	2.14	3.20	4.27	5.34	OC	1.08	2.17	3.25	4.33	5.42
OB	1.07	2.14	3.20	4.27	5.34	OD	1.08	2.17	3.25	4.33	5.42

Intensidades Luminosas [cd]

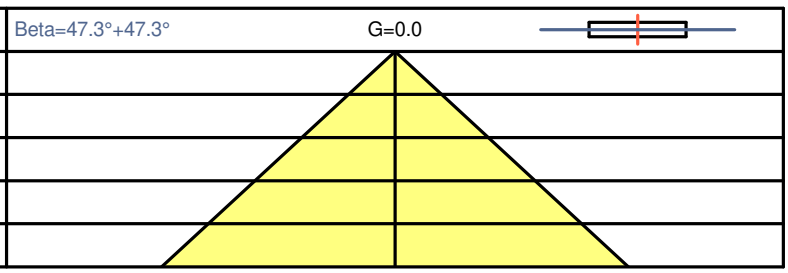
	0	5	15	25	35	45	55	65	75	85
OA	252.65	251.35	241.69	224.23	199.86	141.04	64.20	22.84	14.56	2.41
OB	252.65	251.35	241.69	224.23	199.86	141.04	64.20	22.84	14.56	2.41
OC	252.65	251.22	241.31	223.61	199.49	144.15	62.55	22.70	14.55	2.40
OD	252.65	251.22	241.31	223.61	199.49	144.15	62.55	22.70	14.55	2.40



H[m]	D[m]	Max lux	Med lux
1.00	2.14	253	91
2.00	4.27	63	23
3.00	6.41	28	10
4.00	8.54	16	6
5.00	10.68	10	4



H[m]	D[m]	Max lux	Med lux
1.00	2.17	253	91
2.00	4.33	63	23
3.00	6.50	28	10
4.00	8.67	16	6
5.00	10.84	10	4



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Flujo Total=527.00 Flujo Luminaria=527.00

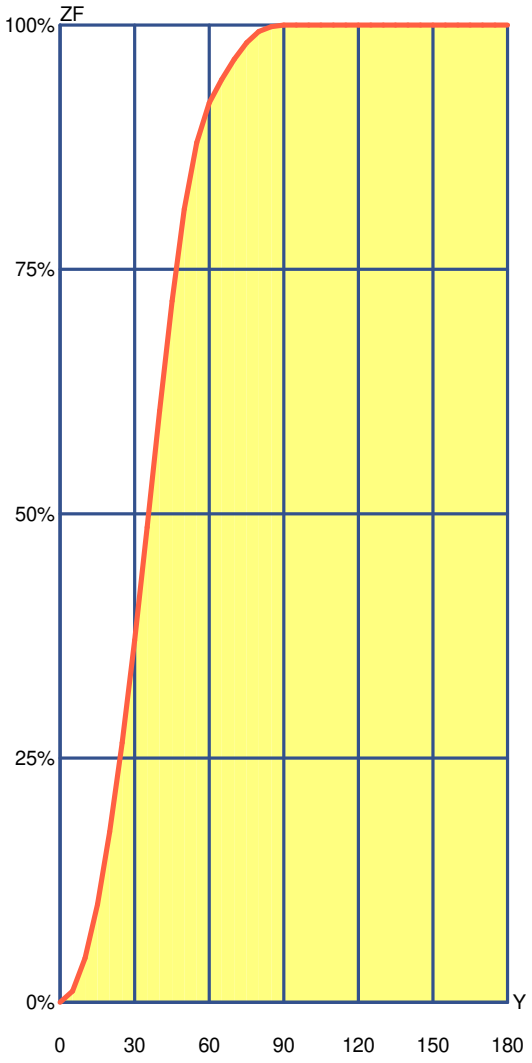
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.42	0.51	0.59	0.66	0.71	0.78	0.83	0.86	0.89	0.91	0.95	0.97
RC	3	3	3	2	2	2	2	2	2	2	3	3

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)	45	175	370	605	812	920	965	993	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000

Códigos de Flujo C.I.E.
64 92 98 100 100

C.I.E.	3/3/3/2/2/2/2/2/2/3/3	LOR	100.00000 %
D DIN 5040	A50	ULOR	0.00000 %
F UTE	1.00 C	DLOR	100.00000 %
B NBN	BZ 3	UFF	0.00000 %
RN	0.00000 %	DFF	100.00000 %
BLF	1.0	FFR	0.00000 %



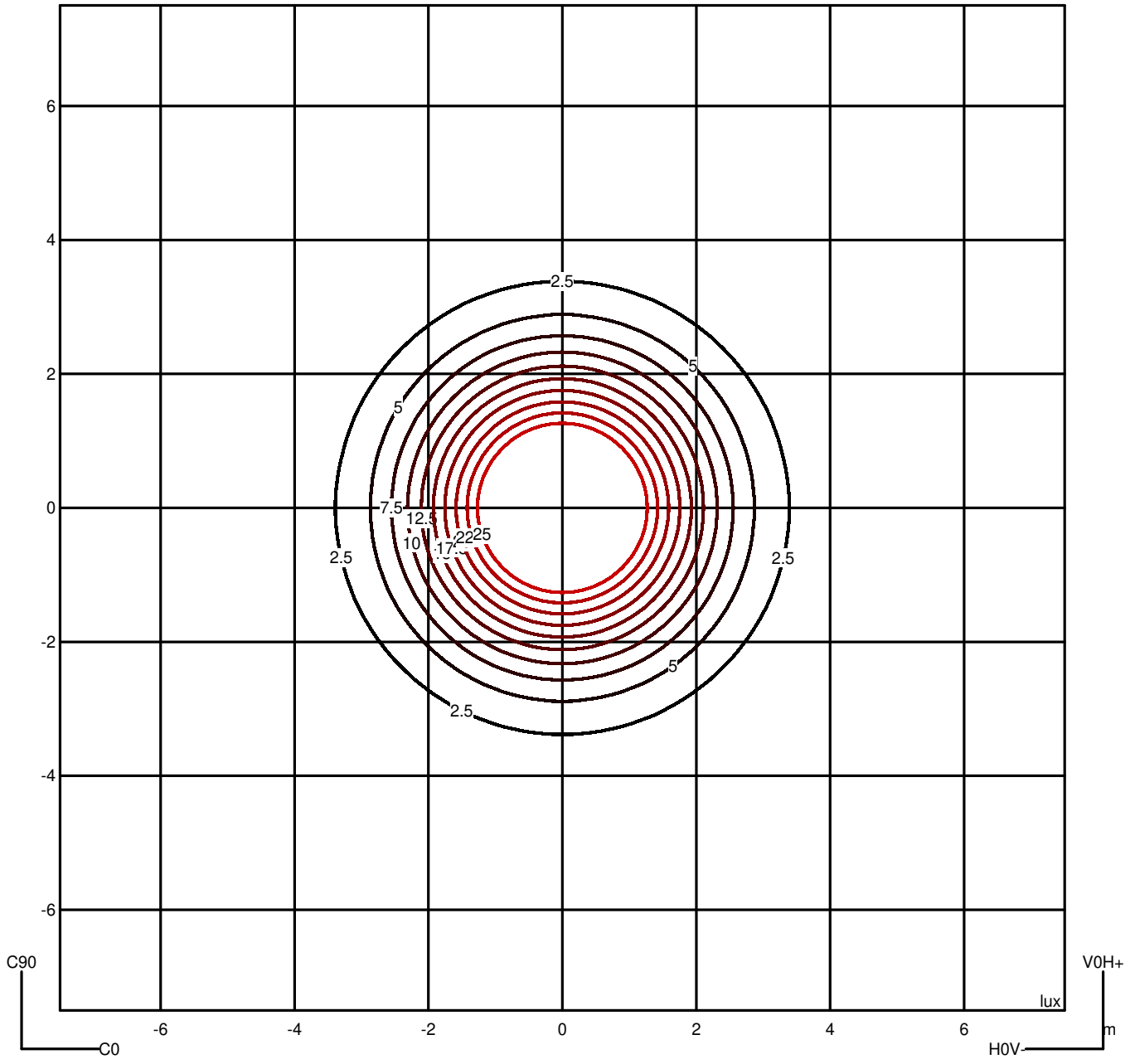
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.43	11.43	1.14 %	1.14 %
10°	33.88	45.31	3.39 %	4.53 %
15°	55.06	100.37	5.51 %	10.04 %
20°	74.25	174.62	7.43 %	17.46 %
25°	90.99	265.61	9.10 %	26.56 %
30°	104.88	370.49	10.49 %	37.05 %
35°	115.43	485.93	11.54 %	48.59 %
40°	119.36	605.29	11.94 %	60.53 %
45°	112.42	717.70	11.24 %	71.77 %
50°	94.04	811.74	9.40 %	81.17 %
55°	67.99	879.73	6.80 %	87.97 %
60°	40.72	920.46	4.07 %	92.05 %
65°	24.04	944.49	2.40 %	94.45 %
70°	20.43	964.93	2.04 %	96.49 %
75°	17.12	982.05	1.71 %	98.20 %
80°	11.36	993.41	1.14 %	99.34 %
85°	4.96	998.38	0.50 %	99.84 %
90°	1.62	1000.00	0.16 %	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 %

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Isolux (Suelo)

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



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Datos Espectrales

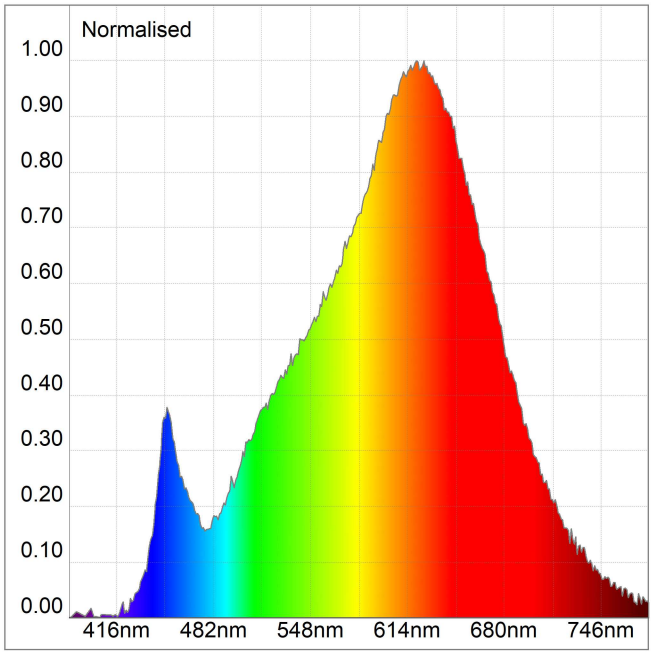
Std.: No import standard

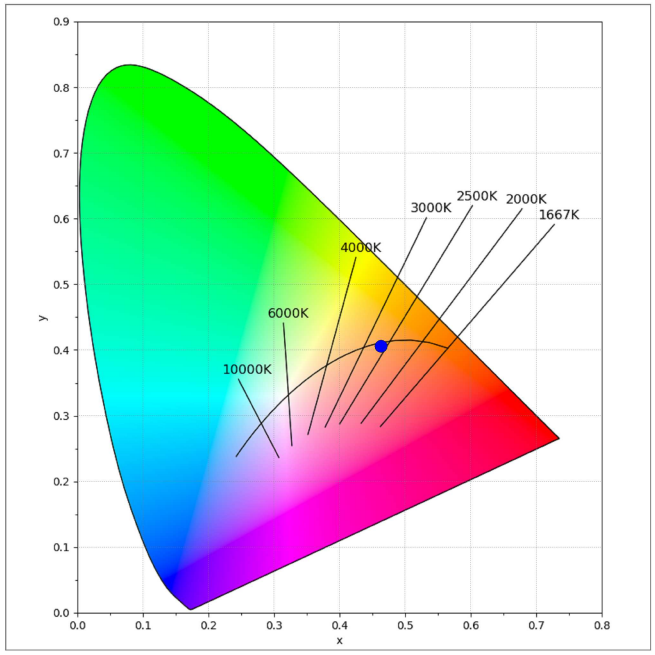
CIE1931	x =0.463362	y =0.405698	Índice repr. Cromática (CRI)	CRI8(Ra) 92.0			CRI15(Rav) 89.4		
CIE1960	u =0.267004	v =0.350664	Comp.Reproducción Cromática	R 1: 92.4	R 2: 96.8		R 3: 98.2	R 4: 91.8	R 5: 92.5
CIE1976	u'=0.267004	v'=0.525996		R 6: 96.4	R 7: 89.4		R 8: 78.0	R 9: 53.9	R10: 91.8
D(u,v)	0.00207			R11: 93.1	R12: 86.7		R13: 93.8	R14: 99.0	R15: 87.9
			CCT = 2614 K						

Distribución Espectral

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
383.0	0.000073	389.0	0.009351	395.0	0.005987
401.0	0.002081	407.0	0.005351	413.0	0.002755
419.0	0.022543	425.0	0.035067	431.0	0.051638
437.0	0.109827	443.0	0.219653	449.0	0.358382
455.0	0.315992	461.0	0.246628	467.0	0.208092
473.0	0.166667	479.0	0.159923	485.0	0.175723
491.0	0.215800	497.0	0.246628	503.0	0.289017
509.0	0.329480	515.0	0.373796	521.0	0.398844
527.0	0.427746	533.0	0.452794	539.0	0.473988
545.0	0.502890	551.0	0.539499	557.0	0.585742
563.0	0.593449	569.0	0.630058	575.0	0.685934
581.0	0.722543	587.0	0.764933	593.0	0.830443
599.0	0.876686	605.0	0.938343	611.0	0.971098
617.0	0.992293	623.0	0.982659	629.0	0.976879
635.0	0.959538	641.0	0.915222	647.0	0.882466
653.0	0.807322	659.0	0.741811	665.0	0.670520
671.0	0.605010	677.0	0.539499	683.0	0.466281
689.0	0.421965	695.0	0.344894	701.0	0.292871
707.0	0.258189	713.0	0.211946	719.0	0.185356
725.0	0.156647	731.0	0.113680	737.0	0.111561
743.0	0.093449	749.0	0.068593	755.0	0.057418
761.0	0.055877	767.0	0.042389	773.0	0.043738
779.0	0.030058				

Gráfico del Espectro

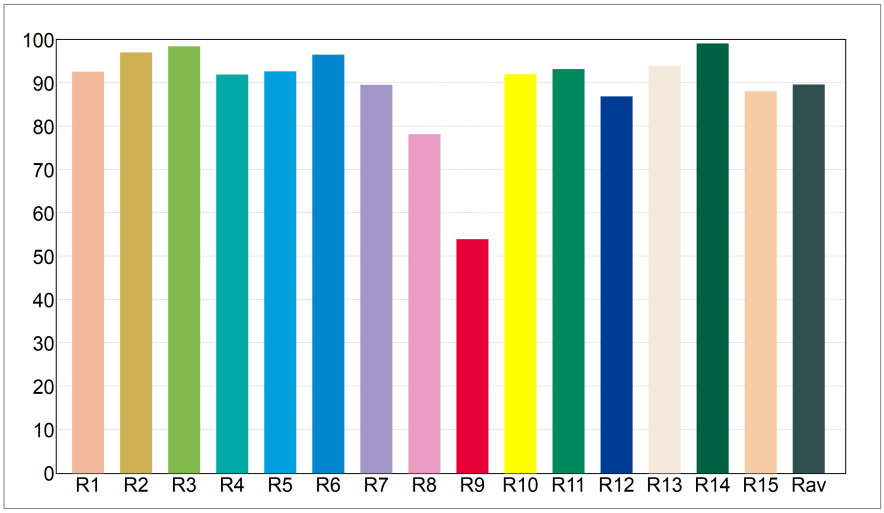


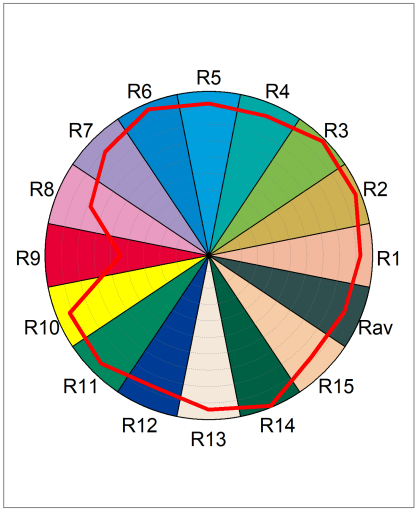


Luminaria
Código 36501012357
Nombre FANALET A01 TRIAC
Ensayo
Código CL092A24D013GP
Nombre FANALET A01 TRIAC

Flujo Luminaria	527 lm	Potencia Luminaria	16.8 W	Eficacia	31.369 lm/W	Eficiencia	100.00%
Flujo Fuente	527 lm	Valor Máximo	252.65 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

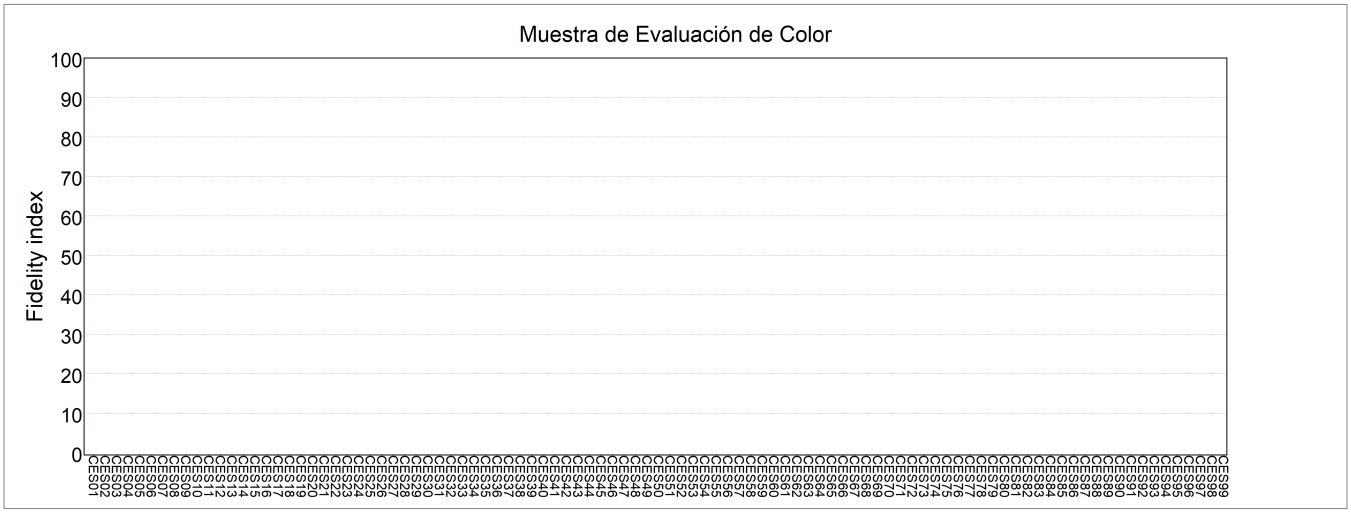
Gráficos del IRC





Luminaria
Código 36501012357
Nombre FANALET A01 TRIAC
Ensayo
Código CL092A24D013GP
Nombre FANALET A01 TRIAC

Flujo Luminaria	527 lm	Potencia Luminaria	16.8 W	Eficacia	31.369 lm/W	Eficiencia	100.00%
Flujo Fuente	527 lm	Valor Máximo	252.65 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico



Coordenadas de Cromaticidad (a' b') 99 muestras

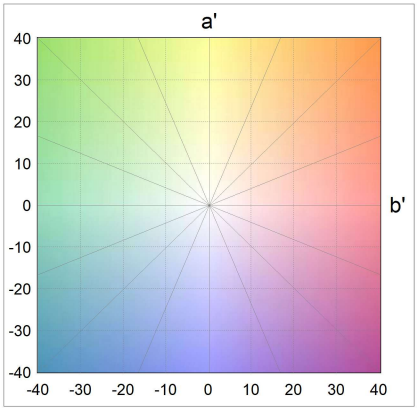


Gráfico Vectorial de Color

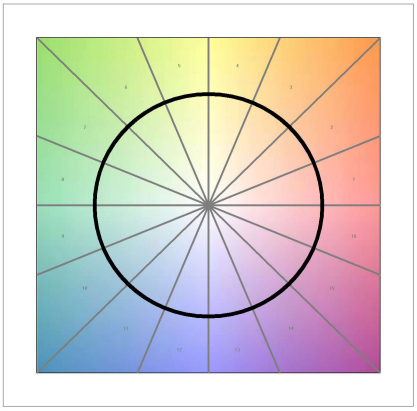


Gráfico de Distorsión de Color

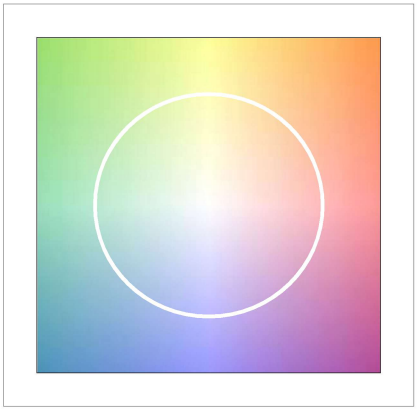


Diagrama Rf vs Rg

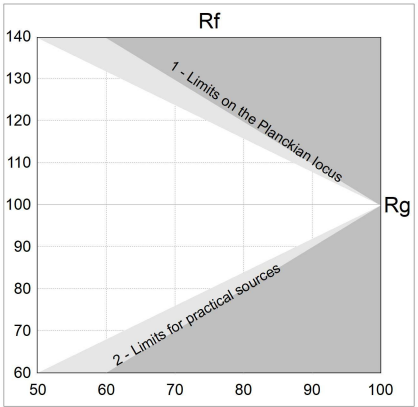
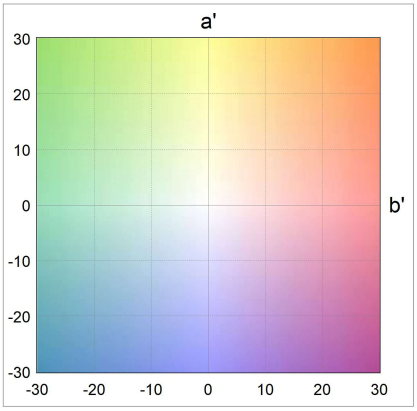


Diagrama Gamut



Cambios por Bin

