Luminaire

Code	36501012014U
Name	FANALET A01 TRIAC
Line	Eulumdat

Measurem.

Code	CL092A24D013GP
Name	FANALET A01 TRIAC

Source Data

Code	2836 LM281B+PRO (VK)	Correlated Color Temperature (CCT)	2614K	Q.ty	1
Name	2836 LM281B+PRO (VK)	Color rendering index (CRI)	91		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	23-10-2024	Maximum Gamma Angle	180°
Measurement Distance	0.00m	Measurement Flux	527.1 lm
Maximum	479.33 cd/klm	Position	C=0.0° G=0.0°

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	12.29 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

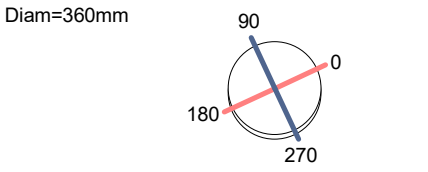
Temperature	0.0 °C	Air Speed	0.0 m/s
Humidity	0.0 %		

Luminaire Dimensions

Round Luminaire	Diam.	360 mm	Height	130 mm	
Round Luminous Area	Diam.	200 mm	Height	60 mm	
Horizontal Luminous Area	0.031416 m2		Emitting area on Plane 180°	0.012000 m2	
Emitting area on Plane 0°	0.012000 m2		Emitting area on Plane 270°	0.012000 m2	
Emitting area on Plane 90°	0.012000 m2		Glare area at 76°	0.019244 m2	

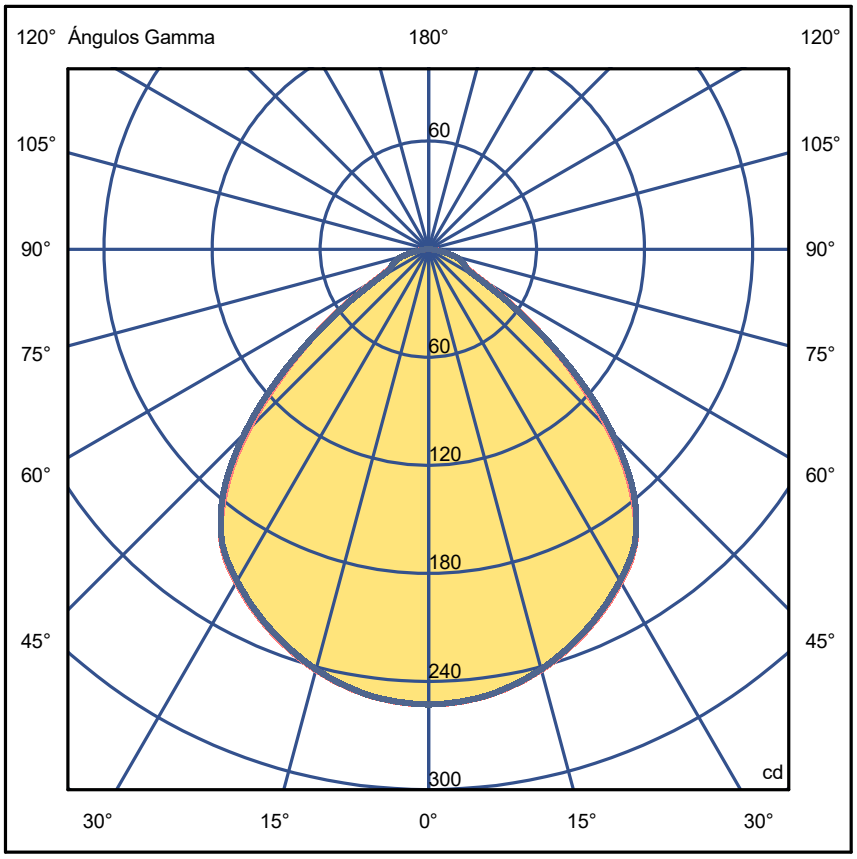
Photometric Assessment

Luminaire Flux	527.1 lm	Source Flux	527.1 lm
Efficacy	42.889 lm/W	Efficiency	100.0 %
CIE Flux Codes	64 92 98 100 100	D DIN 5040	A50
F UTE	1.00 C	B NBN	BZ 3





ULOR 0.02 %
DLOR 99.98 %
RN 0.02 %



Luminaire
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Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

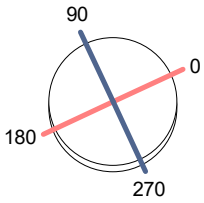
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	253	253	253	253	253	253	253
G 2.5	252	252	252	252	252	252	252
G 5.0	251	251	251	251	251	251	251
G 7.5	250	250	250	250	250	250	250
G 10.0	248	248	248	248	248	248	247
G 12.5	245	245	245	245	245	245	245
G 15.0	242	242	242	241	242	241	241
G 17.5	238	238	238	238	237	237	237
G 20.0	234	234	233	233	233	233	233
G 22.5	229	229	229	229	229	229	229
G 25.0	224	224	224	224	224	224	224
G 27.5	219	219	219	219	218	218	218
G 30.0	213	213	213	213	213	213	213
G 32.5	207	207	207	207	207	207	207
G 35.0	200	200	200	200	200	200	199
G 37.5	189	189	189	189	189	190	189
G 40.0	175	176	176	176	177	177	177
G 42.5	160	160	160	161	161	162	162
G 45.0	141	141	142	143	144	144	144
G 47.5	121	121	122	123	124	124	125
G 50.0	101	101	102	103	103	103	104
G 52.5	83	82	83	82	83	83	82
G 55.0	64	64	63	63	62	62	63
G 57.5	47	47	46	46	45	44	45
G 60.0	34	33	33	32	31	31	31
G 62.5	26	25	25	25	25	24	24
G 65.0	23	23	23	23	23	23	23
G 67.5	21	21	21	21	21	21	21
G 70.0	20	19	20	20	20	19	19
G 72.5	17	17	18	18	18	17	17
G 75.0	15	14	15	15	15	14	15
G 77.5	11	11	11	12	11	11	11
G 80.0	8	8	8	8	8	8	8
G 82.5	4	4	5	5	5	4	4
G 85.0	2	3	3	3	3	3	2
G 87.5	1	1	2	2	2	1	1
G 90.0	1	1	1	1	1	1	1
G 92.5	0	0	0	0	0	0	0
G 95.0	0	0	0	0	0	0	0
G 97.5	0	0	0	0	0	0	0
G100.0	0	0	0	0	0	0	0
G102.5	0	0	0	0	0	0	0
G105.0	0	0	0	0	0	0	0
G107.5	0	0	0	0	0	0	0
G110.0	0	0	0	0	0	0	0
G112.5	0	0	0	0	0	0	0
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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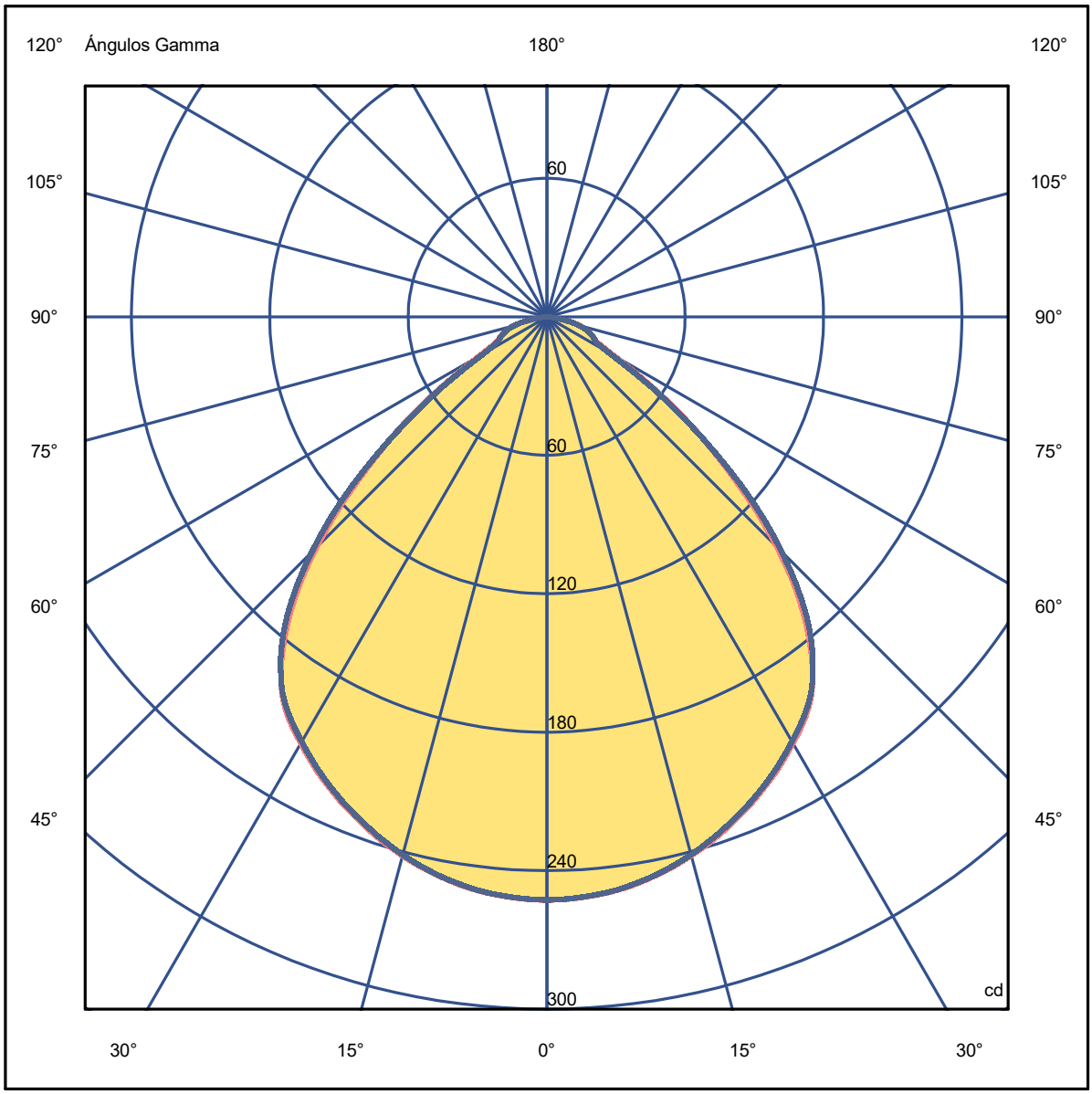
Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=360mm



Semiplanos C





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Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	Lateral View					Viewed Endwise				
x=2H y=2H	15.2	16.3	15.5	16.5	16.7	15.2	16.3	15.5	16.5	16.7
x=2H y=3H	15.4	16.4	15.8	16.7	16.9	15.4	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	17.1	15.6	16.4	16.0	16.7	17.1
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	17.1	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	16.8	17.3	16.0	16.4	16.4	16.8	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	16.3	16.3	16.8	17.2
x=12H y=6H	16.1	16.4	16.5	16.9	17.3	16.0	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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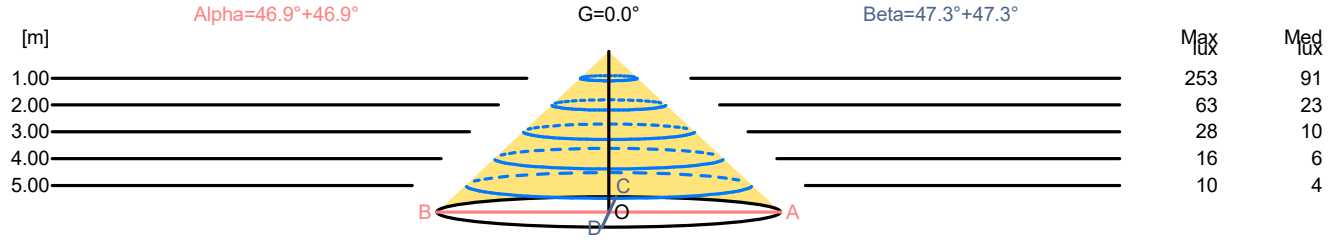
Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

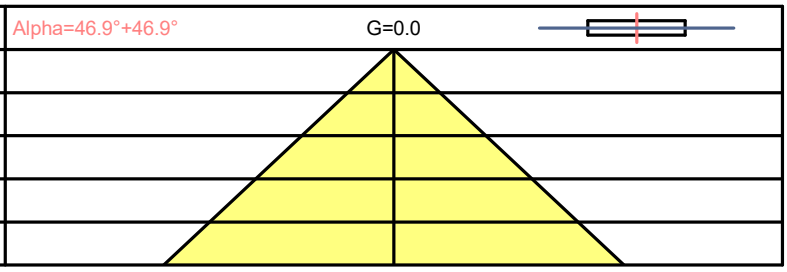
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.07	2.14	3.20	4.27	5.34	OC	1.08	2.17	3.25	4.33	5.42
OB	1.07	2.14	3.20	4.27	5.34	OD	1.08	2.17	3.25	4.33	5.42

Luminous Intensities [cd]

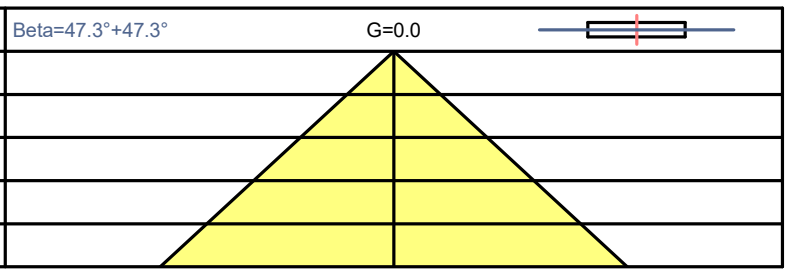
	0	5	15	25	35	45	55	65	75	85
OA	252.65	251.34	241.68	224.23	199.85	141.04	64.20	22.84	14.56	2.41
OB	252.65	251.34	241.68	224.23	199.85	141.04	64.20	22.84	14.56	2.41
OC	252.65	251.22	241.30	223.61	199.49	144.15	62.55	22.70	14.55	2.40
OD	252.65	251.22	241.30	223.61	199.49	144.15	62.55	22.70	14.55	2.40



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



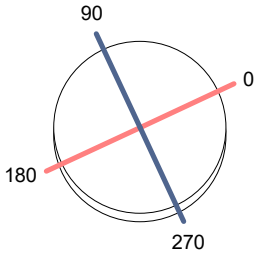
H[m]	D[m]	Max lux	Med lux
1.00	2.17	253	91
2.00	4.33	63	23
3.00	6.50	28	10
4.00	8.67	16	6
5.00	10.84	10	4



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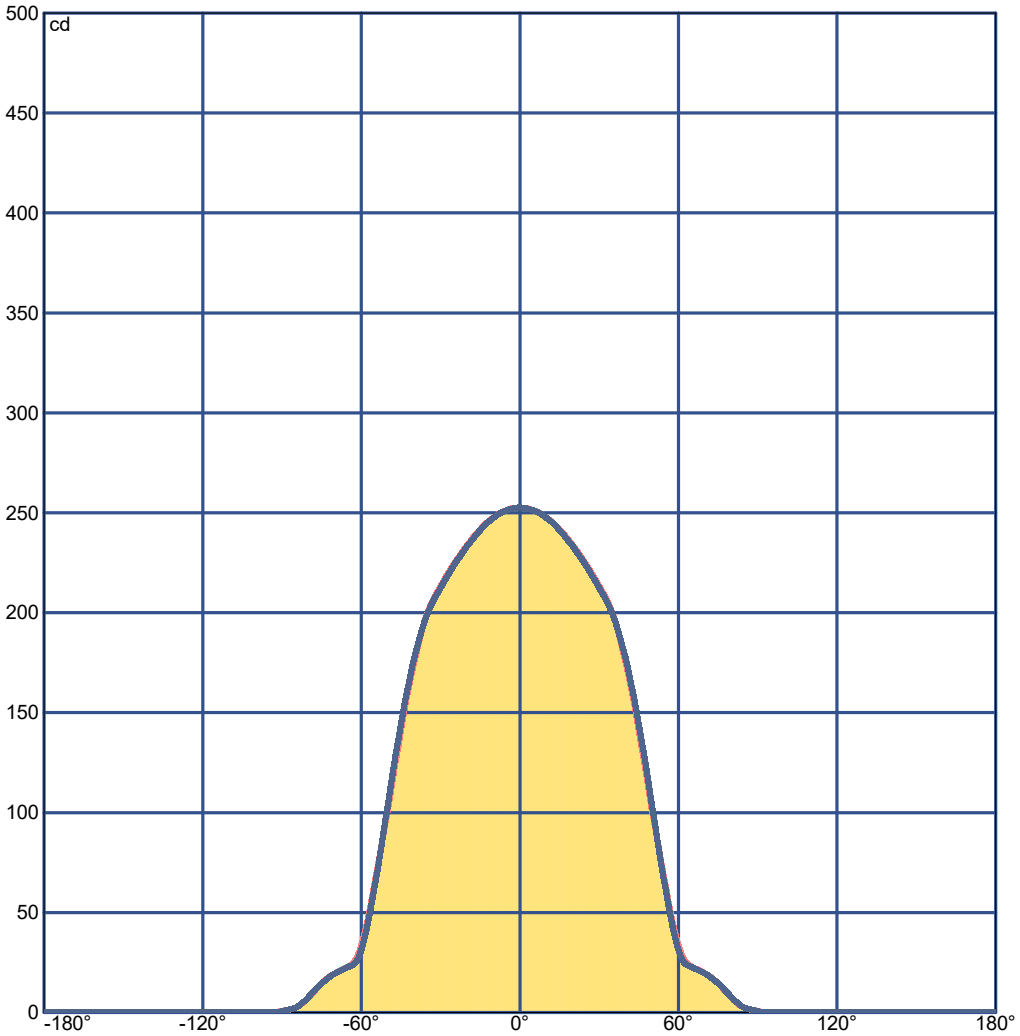
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Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=360mm



Semiplanos C





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Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=527.10 Flujo Luminaria=527.10

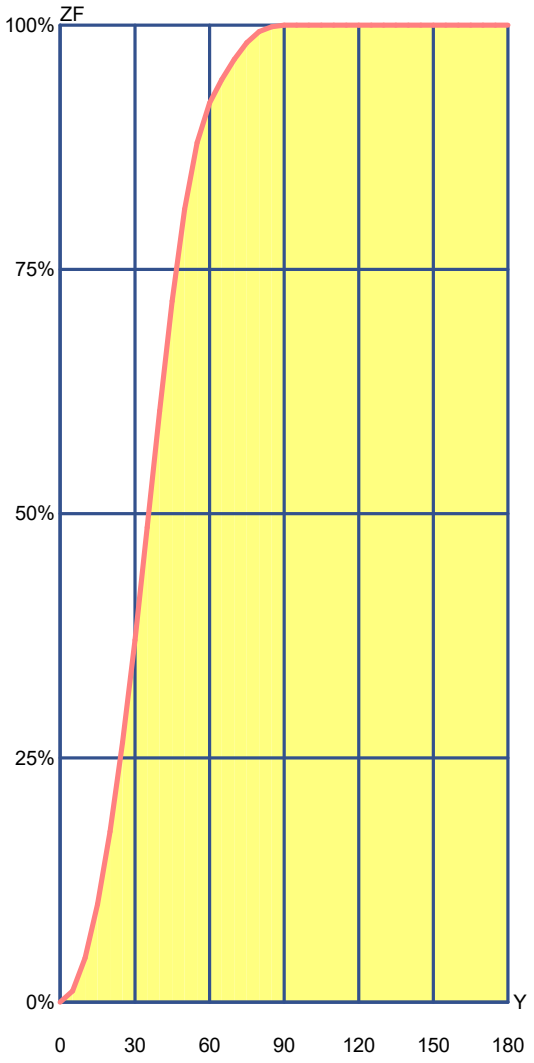
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.42	0.51	0.59	0.66	0.71	0.78	0.83	0.86	0.89	0.91	0.95	0.97
RC	3	3	3	2	2	2	2	2	2	2	3	3

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	0.01943 %
F UTE	1.00 C	DLOR	99.98058 %
B NBN	BZ 3	UFF	0.01943 %
RN	0.01943 %	DFF	99.98057 %
BLF	1.0	FFR	0.01943 %



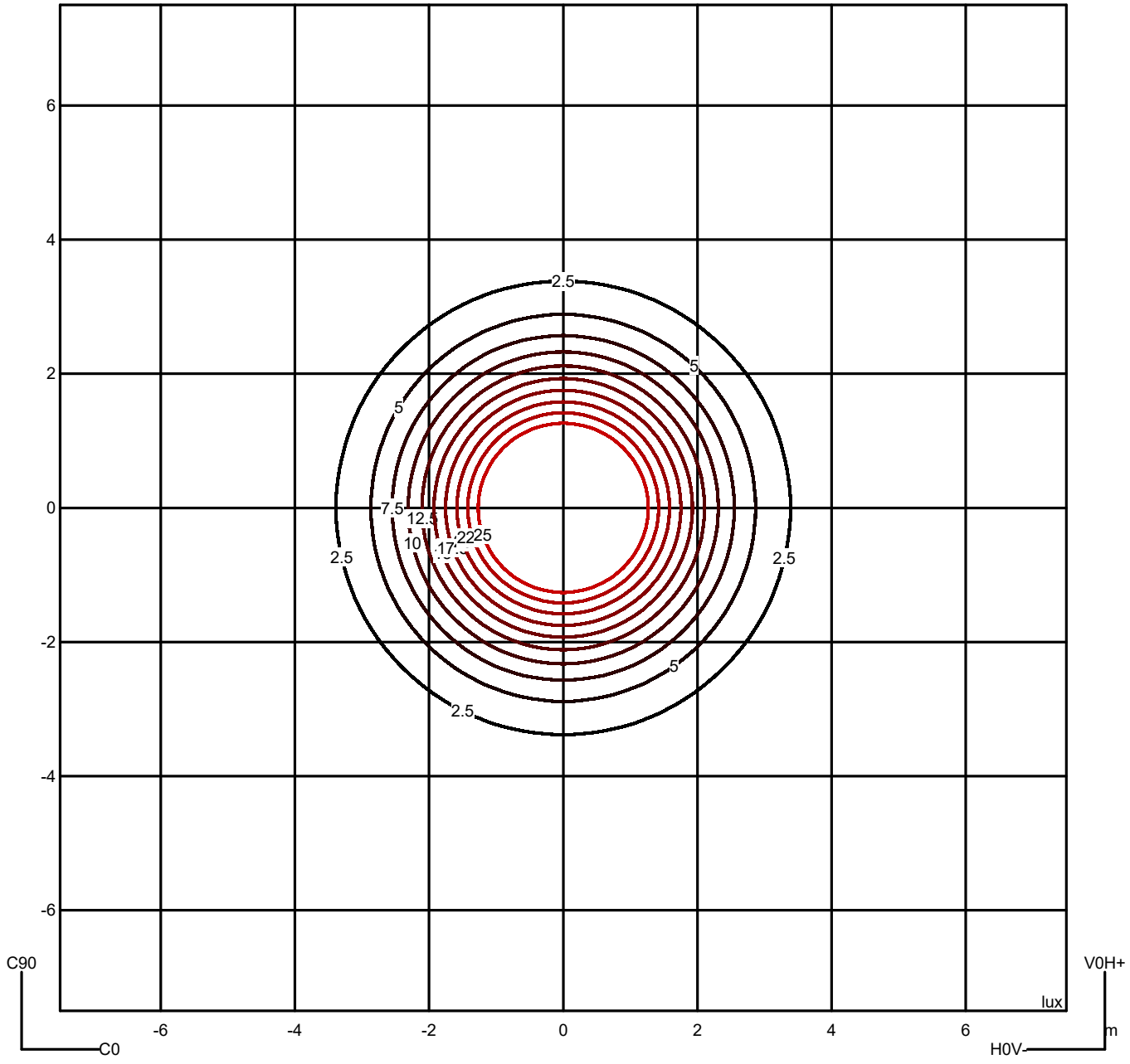
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	11.43	11.43	1.14 %	1.14 %
10°	33.87	45.30	3.39 %	4.53 %
15°	55.05	100.35	5.50 %	10.03 %
20°	74.24	174.59	7.42 %	17.46 %
25°	90.97	265.56	9.10 %	26.56 %
30°	104.86	370.42	10.49 %	37.04 %
35°	115.41	485.83	11.54 %	48.58 %
40°	119.34	605.17	11.93 %	60.52 %
45°	112.39	717.56	11.24 %	71.76 %
50°	94.02	811.59	9.40 %	81.16 %
55°	67.98	879.56	6.80 %	87.96 %
60°	40.72	920.28	4.07 %	92.03 %
65°	24.03	944.31	2.40 %	94.43 %
70°	20.43	964.74	2.04 %	96.47 %
75°	17.12	981.86	1.71 %	98.19 %
80°	11.36	993.22	1.14 %	99.32 %
85°	4.96	998.18	0.50 %	99.82 %
90°	1.62	999.81	0.16 %	99.98 %
95°	0.19	1000.00	0.02 %	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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Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Isolux (Floor)

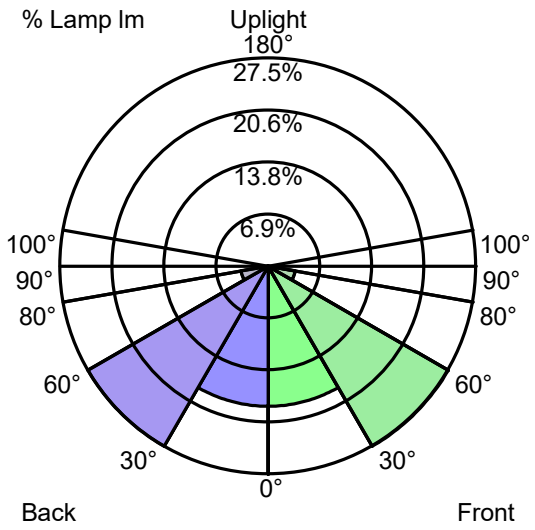
Luminaire position X=0.00m Y=0.00m Z=2.50m

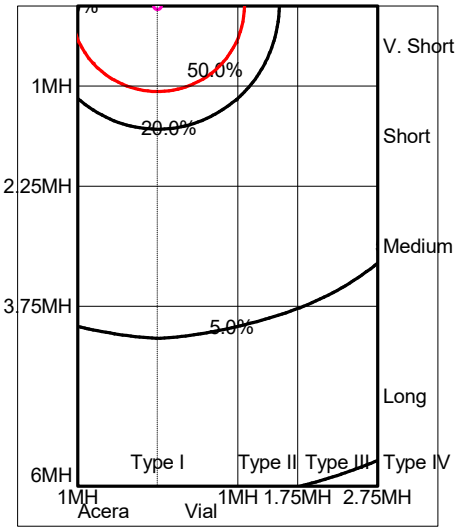


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US ROAD STANDARDS





Luminaire Classification System (LCS)				
LCS Zone		Lumens	%Lamp	%Lum
FL	0° -- 30°	97.6 lm	18.5 %	18.5 %
FM	30° -- 60°	145.0 lm	27.5 %	27.5 %
FH	60° -- 80°	19.2 lm	3.6 %	3.6 %
FVH	80° -- 90°	1.7 lm	0.3 %	0.3 %
BL	0° -- 30°	97.6 lm	18.5 %	18.5 %
BM	30° -- 60°	145.0 lm	27.5 %	27.5 %
BH	60° -- 80°	19.2 lm	3.6 %	3.6 %
BVH	80° -- 90°	1.7 lm	0.3 %	0.3 %
UL	90° -- 100°	0.1 lm	0.0 %	0.0 %
UH	100° -- 180°	0.0 lm	0.0 %	0.0 %
TOTALS		527.1 lm	100.0 %	100.0 %
BUG B0 U1 G0		Type V Very Short		Quadrilateral Symmetry

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Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.463362	y =0.405698	Color rendering index (CRI)
CIE1960	u =0.267004	v =0.350664	Color Rendering Components
CIE1976	u'=0.267004	v'=0.525996	
D(u,v)	0.00207		

CCT = [2614 K]*

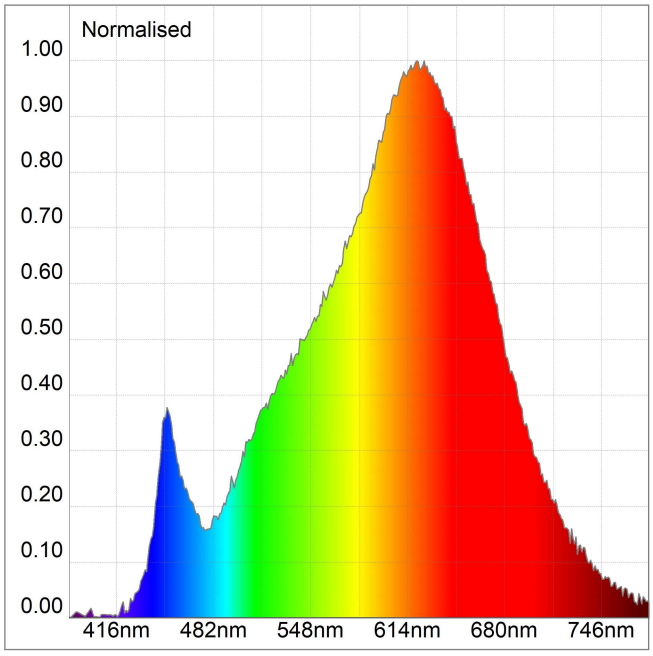
CRI8(Ra) [92.0]* CRI15(Rav) [89.4]*

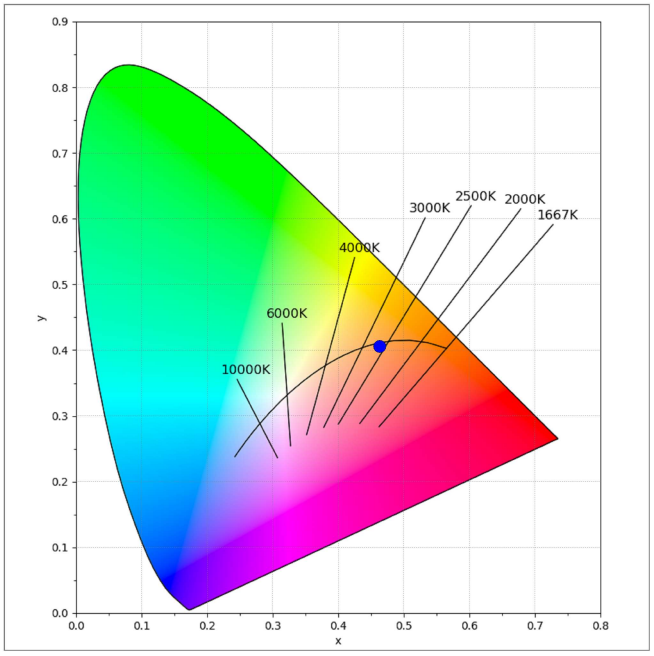
R 1: 92.4	R 2: 96.8	R 3: 98.2	R 4: 91.8	R 5: 92.5
R 6: 96.4	R 7: 89.4	R 8: 78.0	R 9: 53.9	R10: 91.8
R11: 93.1	R12: 86.7	R13: 93.8	R14: 99.0	R15: 87.9

Spectral Distribution

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				

Spectrum Graph

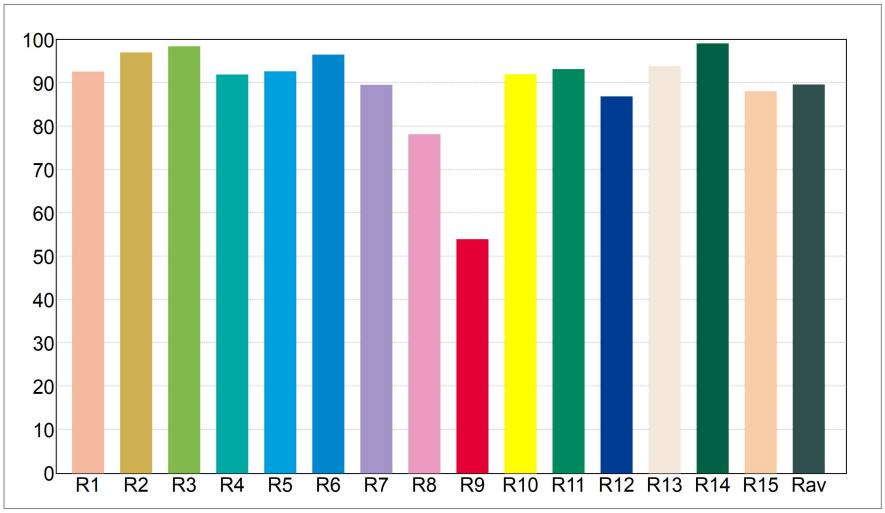


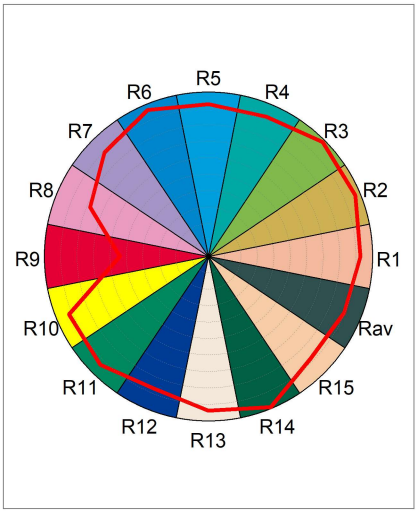


Luminaire
Code 36501012014U
Name FANALET A01 TRIAC
Measurem.
Code CL092A24D013GP
Name FANALET A01 TRIAC

Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

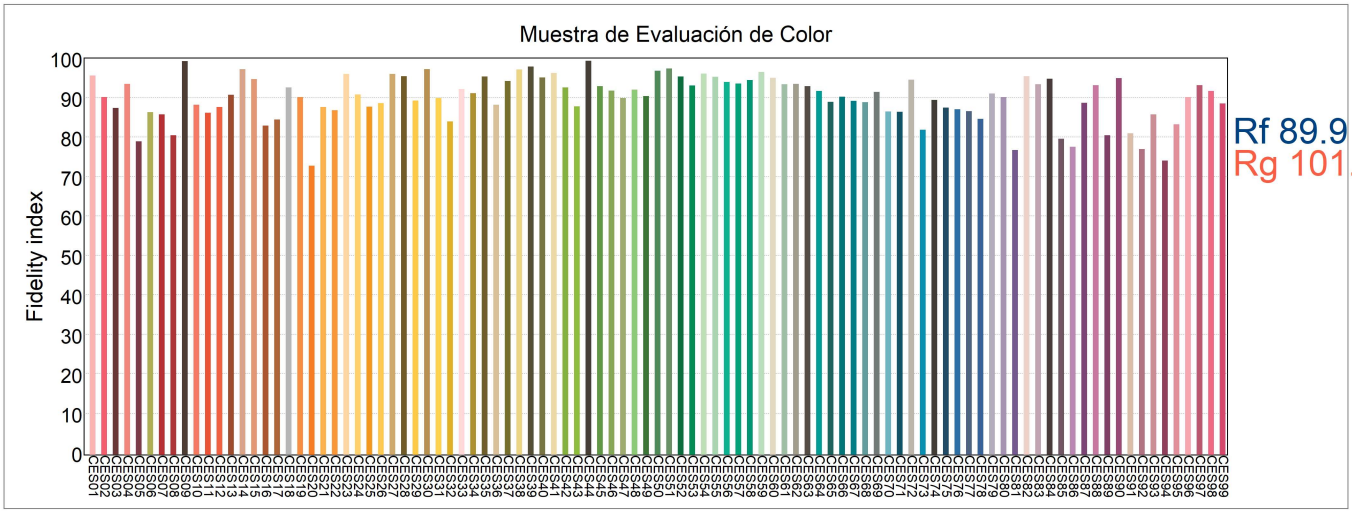
CRI Graphs



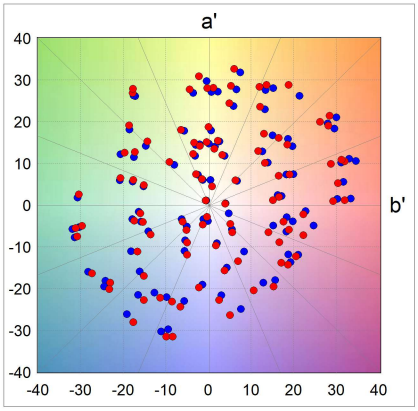


Luminaire
Code 36501012014U
Name FANALET A01 TRIAC
Measurem.
Code CL092A24D013GP
Name FANALET A01 TRIAC

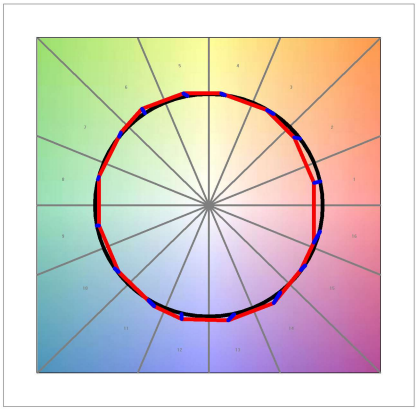
Luminaire Flux	527 lm	Luminaire Power	12.3 W	Efficacy	42.889 lm/W	Efficiency	100.00%
Source Flux	527 lm	Maximum value	252.65 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



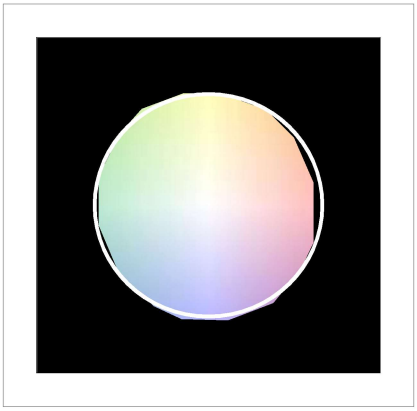
Chromatic Coordinates (a', b') 99 CES



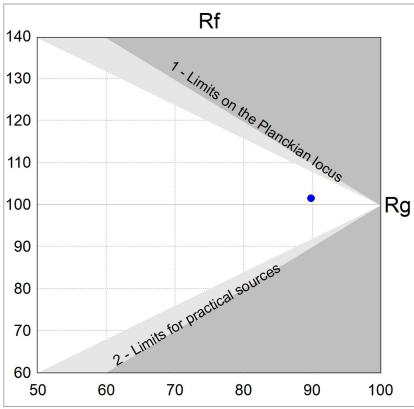
Color Vector Graphic



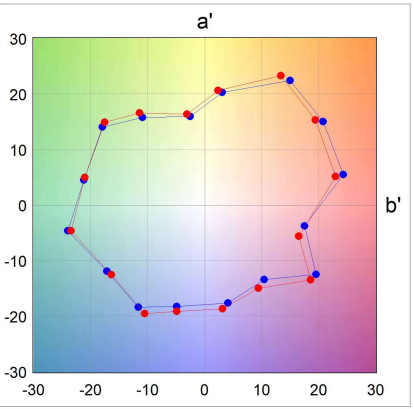
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

