Luminaria
Código 30930214xxxU
Nombre NANS S/55
Ensayo
Código CL092A22F026G
Nombre NANS S/55

Flujo Luminaria	437.27 lm	Potencia Luminaria	8.18 W	Eficacia	53.46 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Luminaria Redonda	Diam. 600 mm	Altura	130 mm
Área Luminosa Redonda	Diam. 130 mm	Altura	130 mm
Área Luminosa Horizontal	0.013273 m2	Área Emisión sobre Pl. 180°	0.016900 m2
Área Emisión sobre Pl. 0°	0.016900 m2	Área Emisión sobre Pl. 270°	0.016900 m2
Área Emisión sobre Pl. 90°	0.016900 m2	Área de deslumbramiento a 76°	0.019609 m2
Sist. de Coorden.	CG	Tipo de Simetría	Bisimétrico
Fecha	27-10-2022	Máximo Ángulo Gamma	180
Distancia de Ensayo	6.44	Flujo de Ensayo	437.27 lm
Operador	Asselum T2	Tensión Nominal	120.10 V
Temperatura	25.00 °C	Corriente Nominal	0.07 A
Humedad	52.20 %	Fotocélula	Czibula Grundmann
Notas	RM22092201.1		

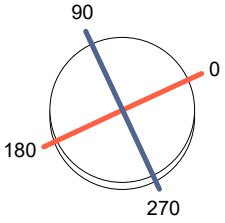
Fuentes de luz de la Luminaria

Familia	Código	Nombre	Flujo [lm]	Pot. [W]	Cant.
	564011.02	VOSSLOH-SCHWABE IBERICA S.L.	437.27	8.18	1

C.I.E.	35 64 87 85 100	D DIN 5040	B21
F UTE	0.85 H + 0.15 T	B NBN	BZ 6

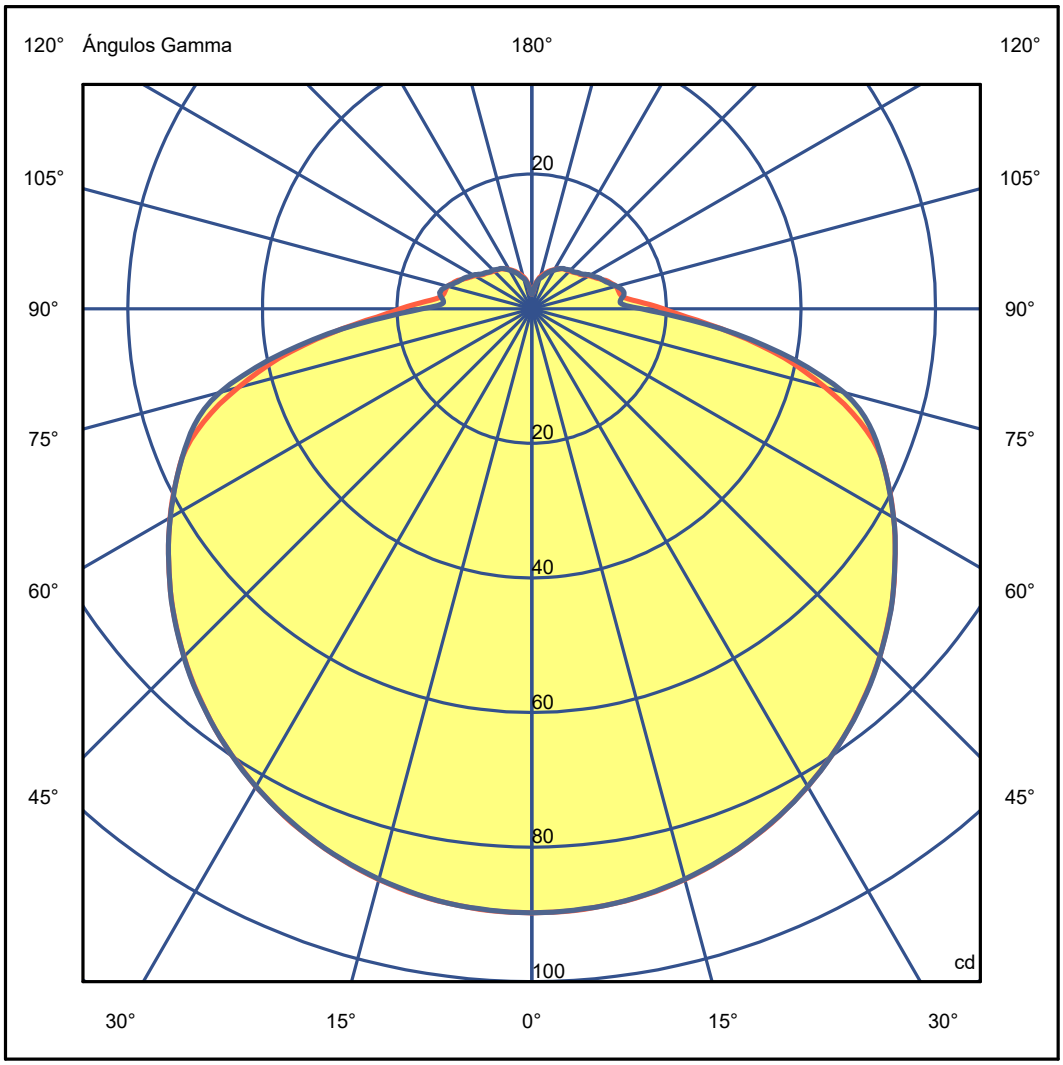


Diam=600mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0



ULOR 14.82 %
DLOR 85.18 %
RN 14.82 %

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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

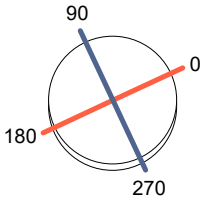
Tabla de Intensidad Luminosa cd **Tabla 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	89.73	89.73	89.73	89.73	89.73	89.73	89.73
G 2.5	89.69	89.67	89.68	89.67	89.67	89.68	89.67
G 5.0	89.55	89.52	89.54	89.51	89.51	89.49	89.49
G 7.5	89.26	89.26	89.27	89.22	89.24	89.21	89.26
G 10.0	88.92	88.89	88.89	88.84	88.85	88.82	88.85
G 12.5	88.42	88.37	88.38	88.32	88.36	88.30	88.33
G 15.0	87.79	87.77	87.77	87.72	87.73	87.69	87.72
G 17.5	87.06	87.06	87.06	87.02	87.01	87.01	87.00
G 20.0	86.25	86.21	86.22	86.18	86.17	86.17	86.19
G 22.5	85.31	85.30	85.29	85.27	85.28	85.27	85.27
G 25.0	84.32	84.28	84.29	84.24	84.26	84.24	84.25
G 27.5	83.16	83.17	83.17	83.10	83.14	83.12	83.17
G 30.0	81.98	81.96	81.98	81.91	81.91	81.93	81.97
G 32.5	80.65	80.66	80.64	80.62	80.63	80.63	80.71
G 35.0	79.31	79.30	79.27	79.20	79.26	79.27	79.32
G 37.5	77.87	77.82	77.80	77.72	77.81	77.81	77.90
G 40.0	76.31	76.32	76.24	76.19	76.23	76.28	76.36
G 42.5	74.73	74.68	74.64	74.53	74.61	74.66	74.79
G 45.0	73.09	73.04	72.95	72.92	72.93	73.04	73.12
G 47.5	71.32	71.32	71.22	71.15	71.15	71.29	71.37
G 50.0	69.59	69.52	69.45	69.38	69.43	69.51	69.64
G 52.5	67.77	67.73	67.65	67.54	67.57	67.67	67.76
G 55.0	65.84	65.84	65.79	65.66	65.71	65.77	65.85
G 57.5	64.00	63.91	63.89	63.77	63.79	63.87	64.02
G 60.0	62.06	61.97	61.93	61.82	61.88	61.90	62.03
G 62.5	60.09	60.02	59.95	59.85	59.88	59.93	60.02
G 65.0	58.04	57.96	57.96	57.90	57.91	57.91	58.05
G 67.5	55.95	55.55	55.90	55.55	55.95	55.83	56.01
G 70.0	52.95	52.51	53.22	52.78	53.71	53.35	53.95
G 72.5	49.34	49.00	49.76	49.66	50.86	50.29	51.47
G 75.0	45.14	45.08	45.84	45.90	47.18	46.50	48.04
G 77.5	40.88	40.79	41.66	41.52	42.74	41.98	43.00
G 80.0	36.26	36.21	37.09	36.81	37.48	36.76	37.48
G 82.5	31.23	31.52	32.00	31.95	31.89	31.46	31.67
G 85.0	26.47	27.02	27.05	27.08	26.44	26.04	25.92
G 87.5	22.36	23.23	22.76	23.02	21.40	21.31	20.39
G 90.0	19.55	20.04	19.67	19.63	17.52	17.61	16.32
G 92.5	17.12	17.59	17.42	16.97	15.24	15.34	13.64
G 95.0	15.05	15.75	15.37	15.44	14.05	14.12	13.16
G 97.5	13.66	14.39	13.99	14.52	13.78	13.61	13.62
G100.0	13.24	13.56	13.38	13.75	13.82	13.45	13.90
G102.5	13.10	13.08	13.34	13.50	13.57	13.29	13.60
G105.0	12.96	12.81	13.28	13.17	13.16	12.99	12.99
G107.5	12.47	12.53	12.80	12.80	12.73	12.46	12.31
G110.0	12.02	12.06	12.21	12.23	12.12	11.88	11.76
G112.5	11.35	11.46	11.55	11.64	11.64	11.41	11.31
G115.0	10.75	10.92	10.98	11.10	11.01	10.97	10.96
G117.5	10.27	10.38	10.43	10.56	10.59	10.48	10.41
G120.0	9.84	9.91	9.99	9.98	10.00	10.04	10.04
G122.5	9.39	9.38	9.48	9.59	9.59	9.51	9.55
G125.0	8.85	9.09	9.12	9.23	9.09	9.10	9.05
G127.5	8.65	8.71	8.84	8.83	8.67	8.85	8.78
G130.0	8.36	8.43	8.55	8.59	8.47	8.60	8.47
G132.5	8.12	8.26	8.27	8.34	8.25	8.31	8.24
G135.0	7.96	8.01	8.04	8.06	8.01	8.01	8.15
G137.5	7.76	7.80	7.86	7.84	7.87	7.80	7.91
G140.0	7.63	7.65	7.67	7.65	7.62	7.61	7.72
G142.5	7.53	7.43	7.47	7.34	7.39	7.47	7.58
G145.0	7.23	7.25	7.21	7.08	7.12	7.20	7.31
G147.5	6.99	6.99	6.90	6.81	6.84	6.82	6.98
G150.0	6.72	6.68	6.62	6.53	6.58	6.46	6.68
G152.5	6.48	6.39	6.38	6.25	6.26	6.21	6.35
G155.0	6.21	6.10	6.07	5.99	5.93	5.98	6.01
G157.5	5.89	5.81	5.76	5.72	5.62	5.71	5.70
G160.0	5.57	5.52	5.44	5.47	5.33	5.35	5.30
G162.5	5.22	5.21	5.17	5.12	5.05	4.95	4.91
G165.0	4.91	4.88	4.88	4.75	4.73	4.59	4.71
G167.5	4.56	4.49	4.43	4.35	4.37	4.24	4.36
G170.0	4.09	3.97	3.89	3.80	3.90	3.77	3.87
G172.5	3.50	3.34	3.24	3.27	3.32	3.26	3.32
G175.0	2.59	2.68	2.60	2.66	2.66	2.74	2.69
G177.5	2.33	2.44	2.33	2.38	2.29	2.34	2.23
G180.0	2.19	2.19	2.19	2.19	2.19	2.19	2.19

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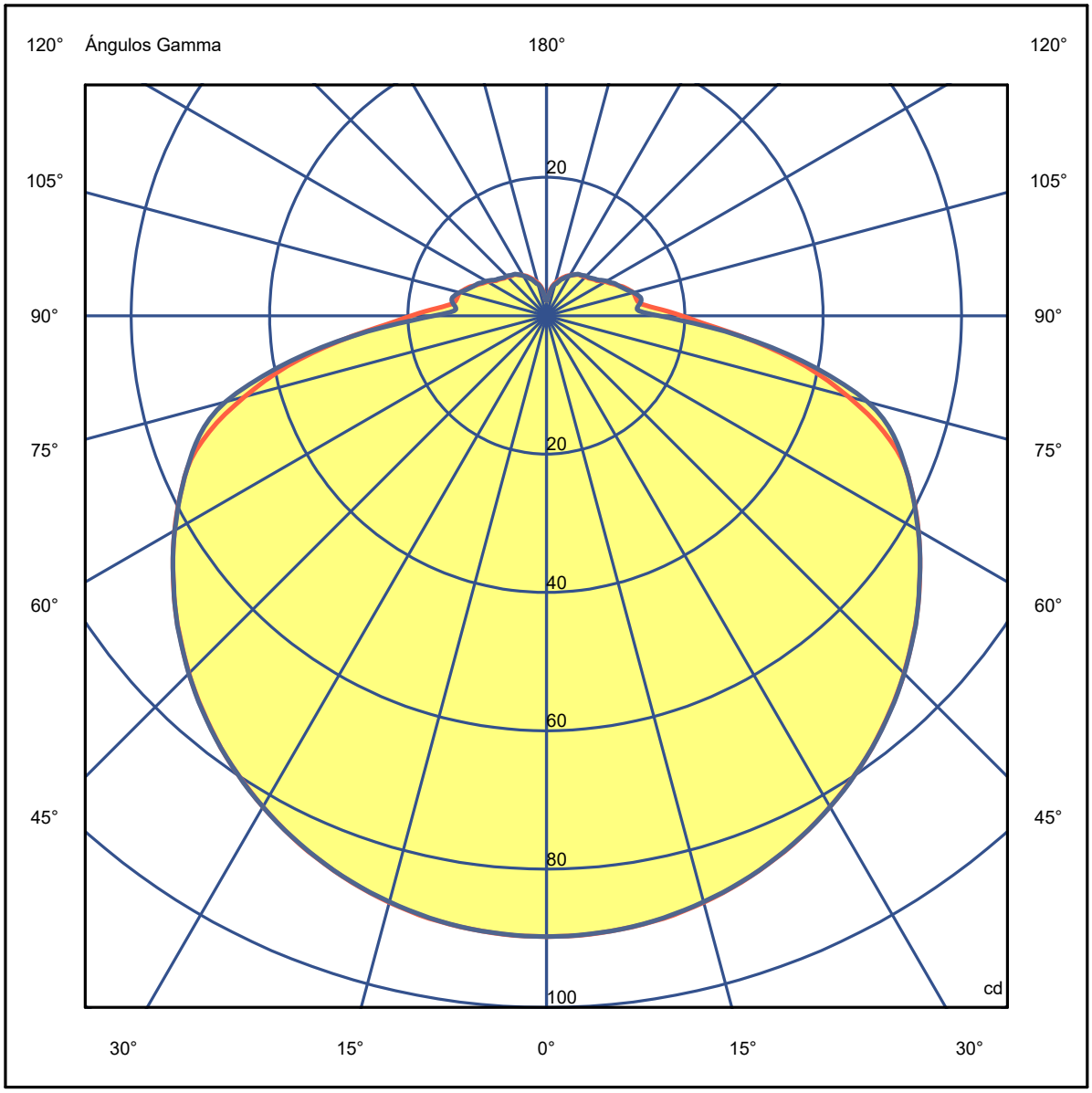
Flujo Luminaria	437.27 lm	Potencia Luminaria	8.18 W	Eficacia	53.46 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Diam=600mm



Semiplanos C

180.0 0.0
270.0 90.0



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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 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 Loca	Vista Lateral					Vista Longitudinal				
x=2H y=2H	15.7	17.0	16.2	17.5	18.0	15.6	17.0	16.2	17.4	18.0
x=2H y=3H	17.6	18.8	18.1	19.3	19.9	17.6	18.8	18.1	19.3	19.9
x=2H y=4H	18.4	19.5	19.0	20.1	20.7	18.5	19.6	19.1	20.2	20.8
x=2H y=6H	19.1	20.2	19.7	20.7	21.3	19.2	20.3	19.8	20.8	21.5
x=2H y=8H	19.4	20.4	20.0	20.9	21.6	19.5	20.5	20.1	21.1	21.7
x=2H y=12H	19.6	20.6	20.2	21.1	21.8	19.7	20.7	20.3	21.2	21.9
x=4H y=2H	16.4	17.5	16.9	18.0	18.6	16.4	17.5	16.9	18.0	18.6
x=4H y=3H	18.5	19.5	19.1	20.1	20.7	18.5	19.5	19.1	20.1	20.7
x=4H y=4H	19.5	20.4	20.1	21.0	21.6	19.6	20.5	20.2	21.1	21.7
x=4H y=6H	20.3	21.1	21.0	21.7	22.4	20.4	21.2	21.1	21.8	22.6
x=4H y=8H	20.7	21.4	21.3	22.0	22.7	20.8	21.5	21.4	22.1	22.8
x=4H y=12H	20.9	21.6	21.6	22.2	23.0	21.0	21.7	21.7	22.3	23.1
x=8H y=4H	19.9	20.6	20.5	21.2	22.0	20.0	20.7	20.6	21.3	22.0
x=8H y=6H	20.9	21.5	21.6	22.2	22.9	21.0	21.6	21.7	22.3	23.0
x=8H y=8H	21.3	21.9	22.0	22.6	23.3	21.4	22.0	22.1	22.6	23.4
x=8H y=12H	21.7	22.2	22.4	22.9	23.7	21.8	22.3	22.5	22.9	23.8
x=12H y=4H	20.5	21.1	21.2	21.8	22.5	20.5	21.2	21.2	21.8	22.6
x=12H y=6H	21.4	21.9	22.1	22.6	23.4	21.5	22.0	22.2	22.7	23.5
x=12H y=8H	21.9	22.3	22.6	23.0	23.8	21.9	22.4	22.6	23.1	23.9

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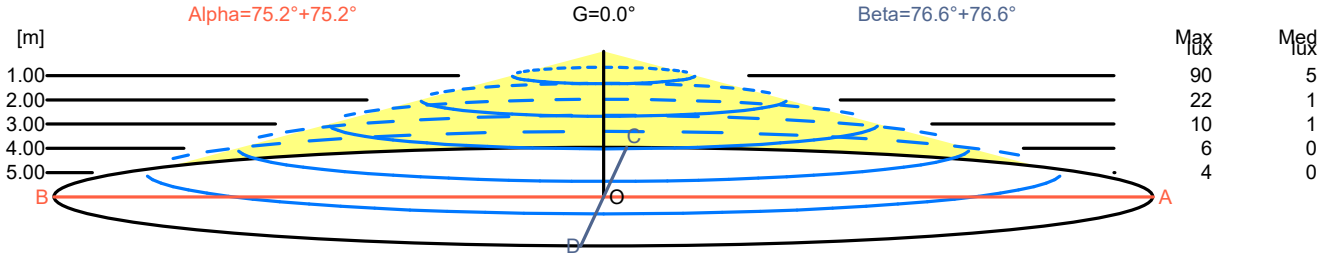
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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

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	3.78	7.55	11.33	15.10	18.88	OC	4.21	8.41	12.62	16.82	21.03
OB	3.78	7.55	11.33	15.10	18.88	OD	4.21	8.41	12.62	16.82	21.03

Intensidades Luminosas [cd]

	0	5	15	25	35	45	55	65	75	85
OA	89.73	89.55	87.79	84.32	79.31	73.09	65.84	58.04	45.14	26.47
OB	89.73	89.55	87.79	84.32	79.31	73.09	65.84	58.04	45.14	26.47
OC	89.73	89.49	87.72	84.25	79.32	73.12	65.85	58.05	48.04	25.92
OD	89.73	89.49	87.72	84.25	79.32	73.12	65.85	58.05	48.04	25.92



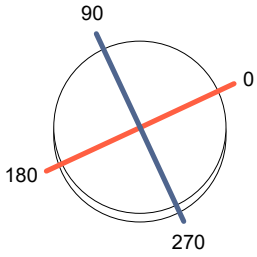
H[m]	D[m]	Max lux	Med lux	Alpha=75.2°+75.2° G=0.0
1.00	7.55	90	5	
2.00	15.10	22	1	
3.00	22.65	10	1	
4.00	30.20	6	0	
5.00	37.75	4	0	

H[m]	D[m]	Max lux	Med lux	Beta=76.6°+76.6° G=0.0
1.00	8.41	90	5	
2.00	16.82	22	1	
3.00	25.23	10	1	
4.00	33.64	6	0	
5.00	42.05	4	0	

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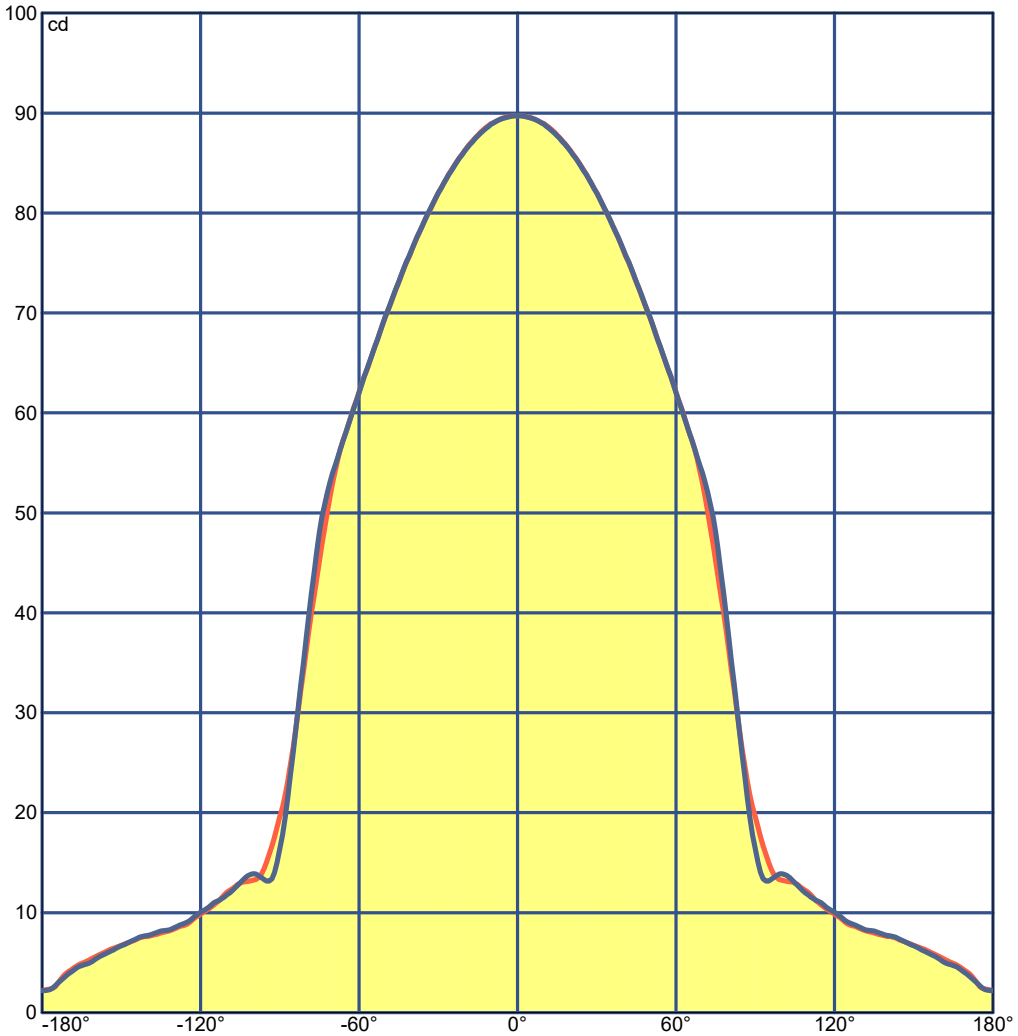
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Diam=600mm



Semiplanos C





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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Flujo Total=437.27 Flujo Luminaria=437.27

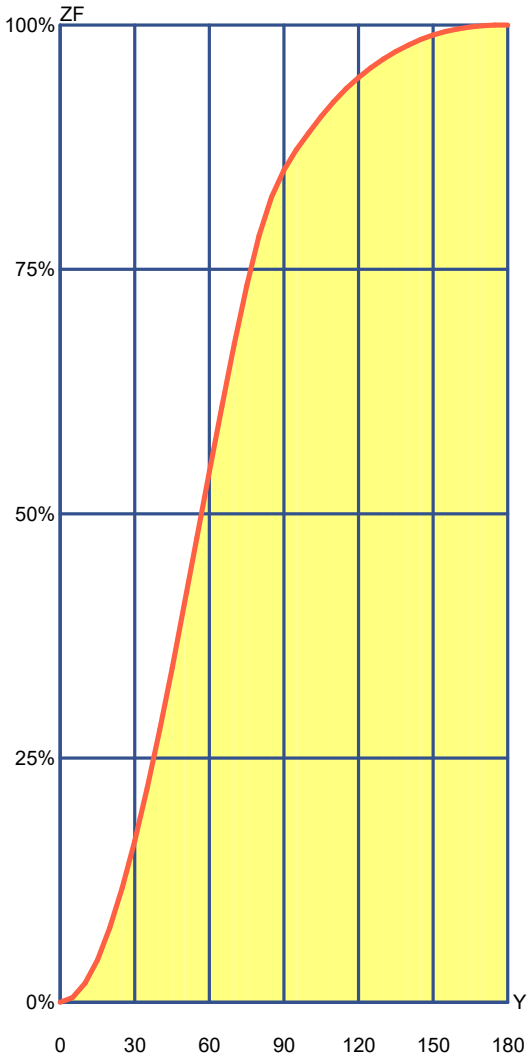
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.22	0.30	0.36	0.43	0.48	0.57	0.63	0.68	0.74	0.78	0.87	0.93
RC	7	7	7	7	7	7	7	7	7	7	7	7

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)	19	76	165	279	408	543	674	784	852	890	921	946	965	979	990	996	999	1000

Códigos de Flujo C.I.E.
35 64 87 85 100

C.I.E.	7	LOR	100.00000 %
D DIN 5040	B21	ULOR	14.82164 %
F UTE	0.85 H + 0.15 T	DLOR	85.17836 %
B NBN	BZ 6	UFF	14.82164 %
RN	14.82164 %	DFF	85.17836 %
BLF	1.0	FFR	17.40071 %



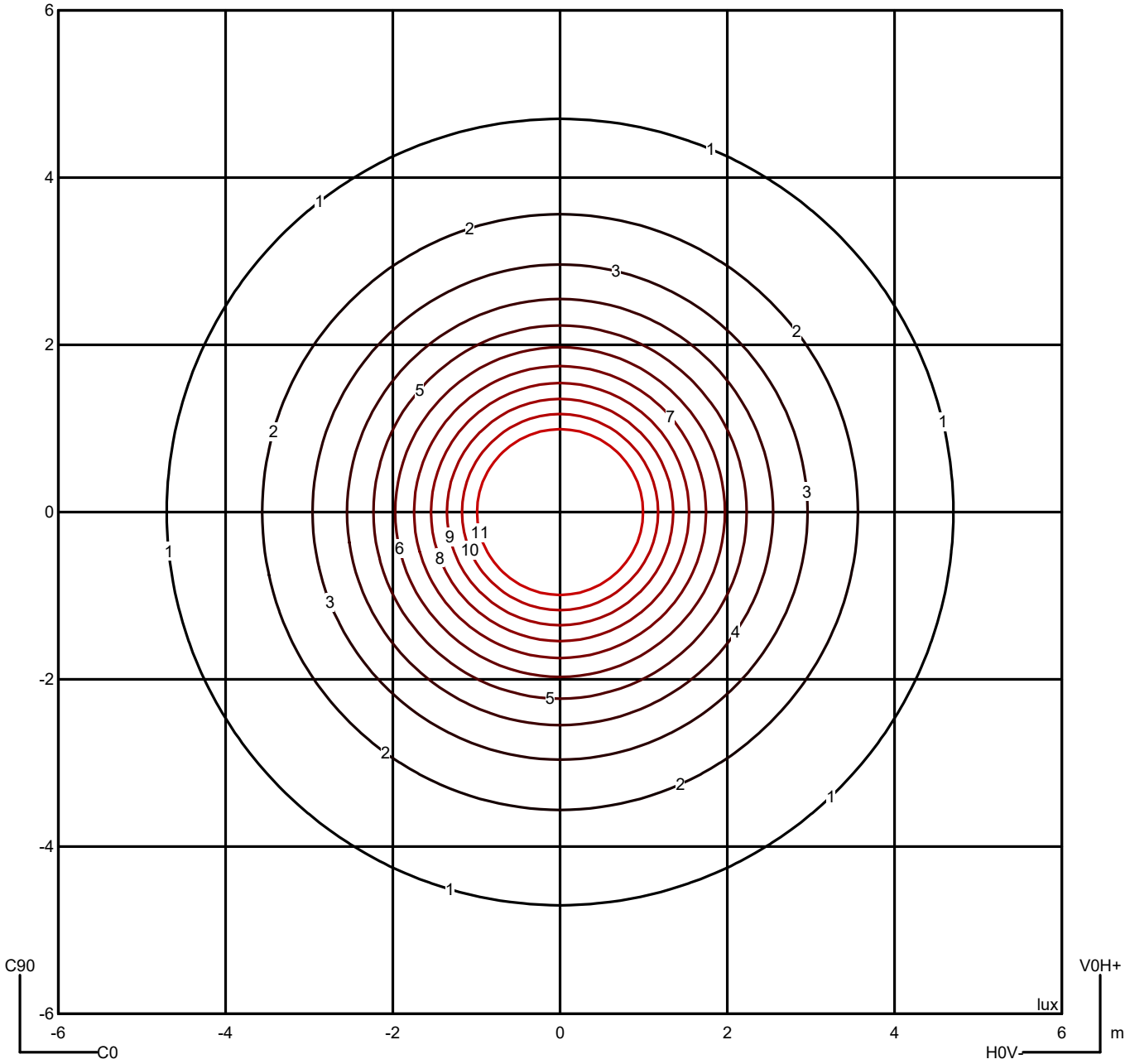
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	4.90	4.90	0.49 %	0.49 %
10°	14.59	19.49	1.46 %	1.95 %
15°	23.96	43.45	2.40 %	4.35 %
20°	32.78	76.24	3.28 %	7.62 %
25°	40.89	117.12	4.09 %	11.71 %
30°	48.10	165.22	4.81 %	16.52 %
35°	54.29	219.51	5.43 %	21.95 %
40°	59.34	278.86	5.93 %	27.89 %
45°	63.20	342.05	6.32 %	34.21 %
50°	65.83	407.88	6.58 %	40.79 %
55°	67.25	475.13	6.73 %	47.51 %
60°	67.50	542.63	6.75 %	54.26 %
65°	66.64	609.27	6.66 %	60.93 %
70°	64.47	673.74	6.45 %	67.37 %
75°	59.57	733.30	5.96 %	73.33 %
80°	50.96	784.26	5.10 %	78.43 %
85°	39.43	823.69	3.94 %	82.37 %
90°	28.09	851.78	2.81 %	85.18 %
95°	20.72	872.51	2.07 %	87.25 %
100°	17.52	890.02	1.75 %	89.00 %
105°	16.33	906.35	1.63 %	90.64 %
110°	15.05	921.40	1.51 %	92.14 %
115°	13.33	934.74	1.33 %	93.47 %
120°	11.65	946.38	1.16 %	94.64 %
125°	10.07	956.45	1.01 %	95.65 %
130°	8.74	965.19	0.87 %	96.52 %
135°	7.64	972.84	0.76 %	97.28 %
140°	6.64	979.48	0.66 %	97.95 %
145°	5.67	985.15	0.57 %	98.51 %
150°	4.65	989.79	0.46 %	98.98 %
155°	3.66	993.45	0.37 %	99.35 %
160°	2.75	996.21	0.28 %	99.62 %
165°	1.92	998.13	0.19 %	99.81 %
170°	1.19	999.32	0.12 %	99.93 %
175°	0.55	999.87	0.05 %	99.99 %
180°	0.13	1000.00	0.01 %	100.00 %

Luminaria
Código 30930214xxxU
Nombre NANS S/55
Ensayo
Código CL092A22F026G
Nombre NANS S/55

Flujo Luminaria	437.27 lm	Potencia Luminaria	8.18 W	Eficacia	53.46 lm/W	Eficiencia	100.00%
Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

Isolux (Suelo)

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



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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

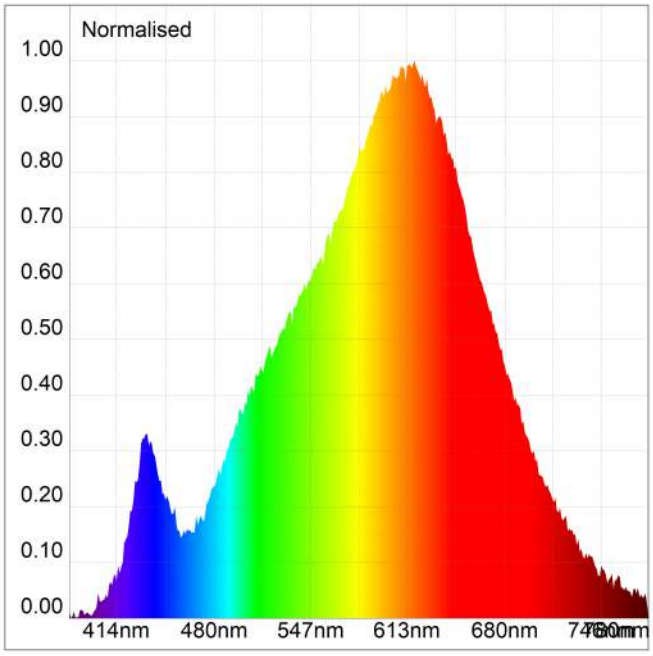
Datos Espectrales

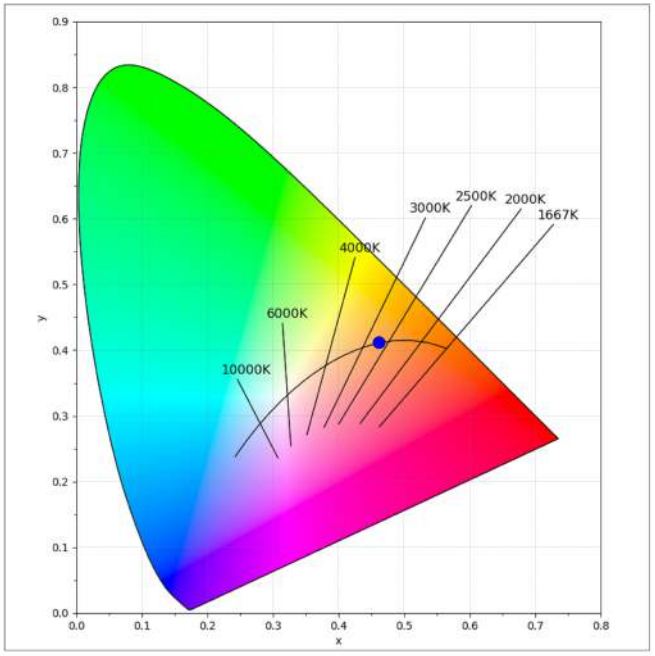
CIE1931	x =0.462164	y =0.411388	Índice repr. Cromática (CRI)	CRI8(Ra) 90.3			CRI15(Rav) 86.9		
CIE1960	u =0.263630	v =0.351998	Comp.Reproducción Cromática	R 1: 90.1	R 2: 94.3		R 3: 97.0	R 4: 90.1	R 5: 89.4
CIE1976	u'=0.263630	v'=0.527998		R 6: 93.2	R 7: 90.7		R 8: 77.7	R 9: 50.7	R10: 85.7
D(u,v)	0.00010		S/P ratio = 1.23153	R11: 90.1	R12: 80.3		R13: 91.0	R14: 97.5	R15: 85.8
			CCT = 2674 K	M/P Well = 0.45159					

Distribución Espectral

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
381.0	0.010582	387.0	0.003153	393.0	0.001962
399.0	0.001548	405.0	0.007738	411.0	0.005526
417.0	0.011119	423.0	0.032662	429.0	0.059284
435.0	0.092394	441.0	0.191723	447.0	0.275168
453.0	0.308725	459.0	0.259508	465.0	0.218792
471.0	0.169351	477.0	0.150559	483.0	0.153244
489.0	0.172931	495.0	0.234899	501.0	0.272931
507.0	0.322148	513.0	0.375839	519.0	0.398210
525.0	0.434004	531.0	0.476510	537.0	0.489933
543.0	0.532438	549.0	0.557047	555.0	0.599553
561.0	0.630872	567.0	0.633110	573.0	0.691275
579.0	0.733781	585.0	0.789709	591.0	0.845638
597.0	0.874720	603.0	0.923937	609.0	0.941834
615.0	0.968680	621.0	0.961969	627.0	1.000000
633.0	0.959732	639.0	0.919463	645.0	0.890380
651.0	0.825503	657.0	0.767338	663.0	0.686801
669.0	0.615213	675.0	0.561521	681.0	0.510067
687.0	0.436242	693.0	0.395973	699.0	0.333333
705.0	0.299776	711.0	0.250559	717.0	0.214094
723.0	0.181208	729.0	0.156823	735.0	0.117450
741.0	0.115436	747.0	0.076286	753.0	0.062416
759.0	0.067562	765.0	0.056376	771.0	0.053244
777.0	0.038479	783.0	0.042729	789.0	0.042729

Gráfico del Espectro

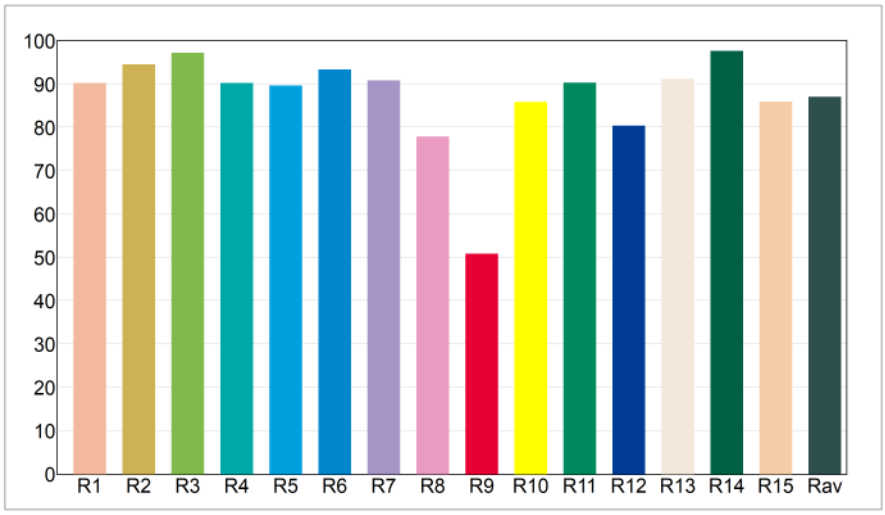


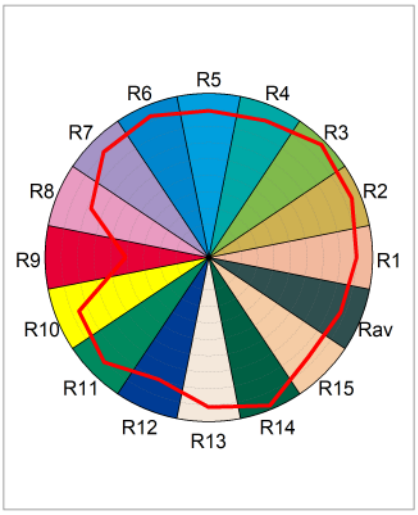


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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico

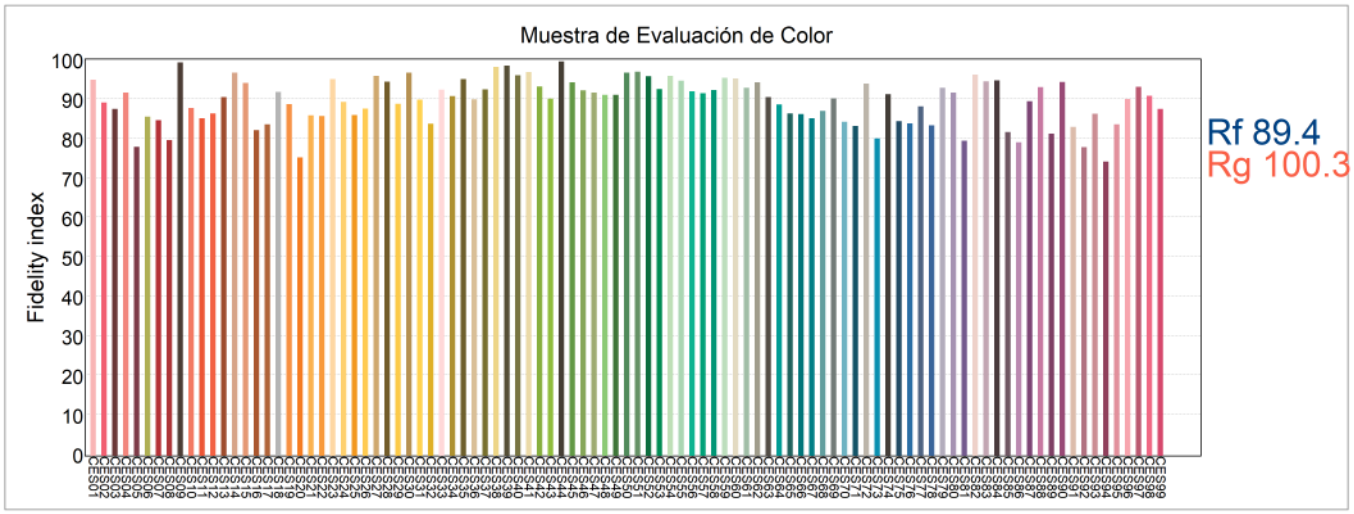
Gráficos del IRC





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Código CL092A22F026G
Nombre NANS S/55

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Flujo Fuentes de luz	437.27 lm	Valor Máximo	89.73 cd	Posición	C=0.00 G=0.00	CG	Bisimétrico



Coordenadas de Cromaticidad (a' b') 99 muestras

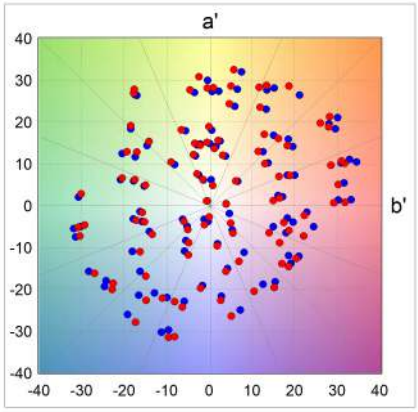


Gráfico Vectorial de Color

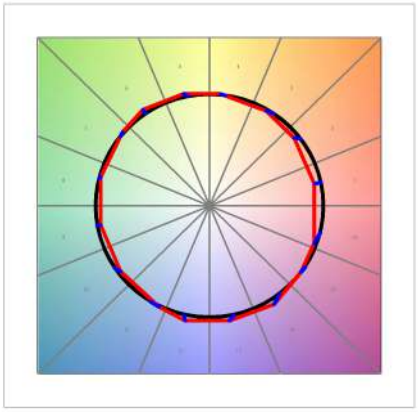


Gráfico de Distorsión de Color



Diagrama Rf vs Rg

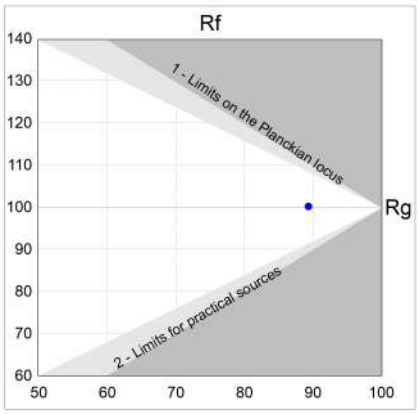
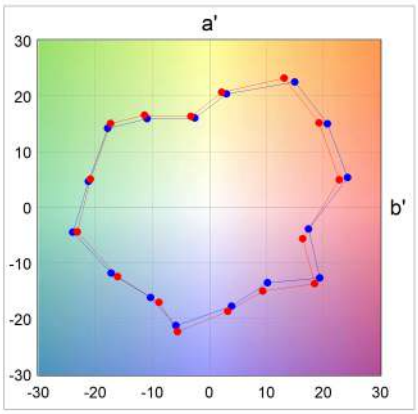


Diagrama Gamut



Cambios por Bin

