Luminaire
Code 366
Name Roda S/120 Cream Translucent Ribbon Shade
Measurem.
Code CL092A23D008GP
Name Roda S/120 Cream Translucent Ribbon Shade

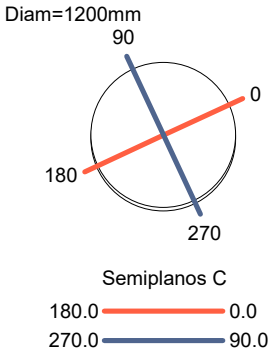
Luminaire Flux	673.49 lm	Luminaire Power	37.78 W	Efficacy	17.83 lm/W	Efficiency	100.00%
Sources Flux	673.49 lm	Maximum value	113.69 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

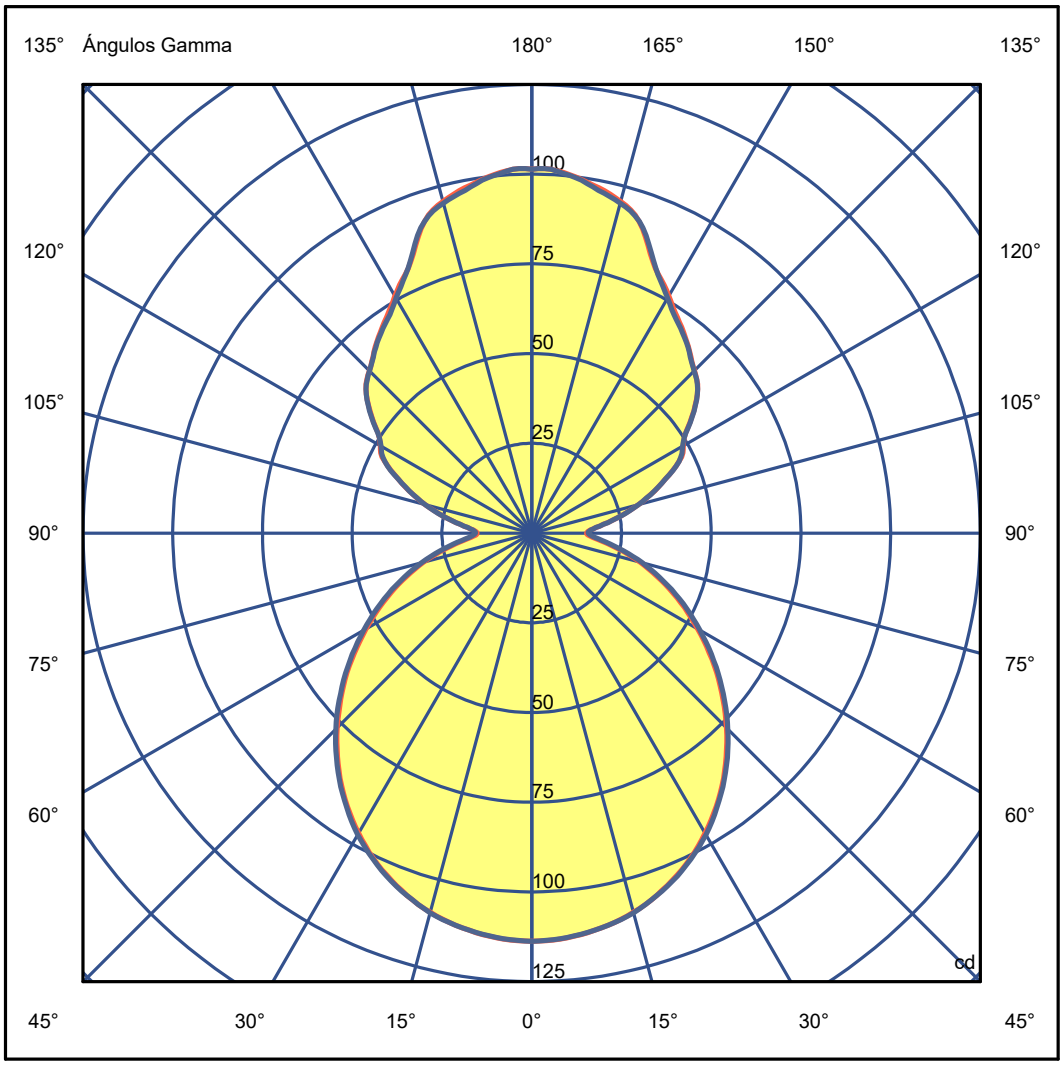
Round Luminaire	Diam. 1200 mm	Height	60 mm
Round Luminous Area	Diam. 1200 mm	Height	60 mm
Horizontal Luminous Area	1.130973 m2	Emitting area on Plane 180°	0.072000 m2
Emitting area on Plane 0°	0.072000 m2	Emitting area on Plane 270°	0.072000 m2
Emitting area on Plane 90°	0.072000 m2	Glare area at 76°	0.343469 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	22-05-2023	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	673.49 lm
Operator	ASSELUM	Rated Voltage	24.04 V
Temperature	23.90 °C	Rated Current	1.57 A
Humidity	50.10 %	Photocell	Czibula Grundmann
Notes	RM23050311		

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	RF-xxHI35DS-EF-2N-Y 103	[illegible]	673.49	37.78	1

C.I.E.	43 72 90 54 100	D DIN 5040	C31
F UTE	0.54 G + 0.46 T	B NBN	BZ 5





ULOR 46.44 %
DLOR 53.56 %
RN 46.44 %

Luminaire
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Luminaire Flux	673.49 lm	Luminaire Power	37.78 W	Efficacy	17.83 lm/W	Efficiency	100.00%
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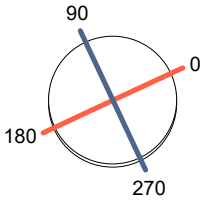
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	113.69	113.69	113.69	113.69	113.69	113.69	113.69
G 2.5	113.62	113.49	113.49	113.49	113.56	113.51	113.47
G 5.0	113.15	113.13	113.09	113.15	113.11	113.10	113.10
G 7.5	112.53	112.45	112.41	112.50	112.54	112.48	112.43
G 10.0	111.64	111.60	111.74	111.64	111.77	111.62	111.66
G 12.5	110.67	110.48	110.69	110.55	110.79	110.55	110.69
G 15.0	109.37	109.12	109.37	109.32	109.55	109.36	109.47
G 17.5	107.84	107.56	107.86	107.84	108.00	107.87	107.85
G 20.0	105.97	105.71	106.00	106.13	106.30	106.14	106.09
G 22.5	103.94	103.77	104.03	104.15	104.29	104.19	104.16
G 25.0	101.76	101.53	101.88	101.94	102.15	102.08	101.96
G 27.5	99.23	99.11	99.42	99.48	99.70	99.65	99.58
G 30.0	96.51	96.45	96.81	96.80	97.09	97.09	96.98
G 32.5	93.68	93.56	93.92	93.93	94.23	94.22	94.11
G 35.0	90.61	90.50	90.84	90.94	91.13	91.20	90.95
G 37.5	87.40	87.30	87.59	87.76	87.99	88.04	87.77
G 40.0	83.89	84.01	84.26	84.41	84.61	84.78	84.37
G 42.5	80.36	80.46	80.76	80.89	81.08	81.25	80.91
G 45.0	76.66	76.79	77.12	77.24	77.44	77.66	77.22
G 47.5	72.83	73.09	73.42	73.55	73.74	74.00	73.51
G 50.0	69.05	69.30	69.65	69.78	69.88	70.16	69.56
G 52.5	65.18	65.41	65.69	65.94	66.09	66.36	65.75
G 55.0	61.24	61.48	61.84	62.04	62.18	62.38	61.89
G 57.5	57.21	57.60	57.86	58.23	58.26	58.45	57.96
G 60.0	53.35	53.73	53.87	54.25	54.30	54.50	54.03
G 62.5	49.54	49.89	49.97	50.29	50.36	50.58	50.27
G 65.0	45.79	46.12	46.13	46.48	46.49	46.79	46.50
G 67.5	42.02	42.35	42.41	42.59	42.64	42.98	42.77
G 70.0	38.34	38.83	38.75	38.88	38.96	39.32	39.03
G 72.5	34.77	35.12	35.26	35.29	35.32	35.52	35.39
G 75.0	31.29	31.56	31.67	31.72	31.80	31.94	31.80
G 77.5	27.67	27.99	28.02	28.19	28.10	28.35	28.24
G 80.0	24.10	24.46	24.37	24.68	24.56	24.93	24.75
G 82.5	20.77	21.16	20.98	21.45	21.24	21.75	21.43
G 85.0	17.91	18.38	18.13	18.70	18.52	19.05	18.67
G 87.5	15.91	16.49	16.14	16.81	16.51	17.16	16.65
G 90.0	15.25	15.79	15.33	16.07	15.63	16.31	15.71
G 92.5	16.00	16.47	16.02	16.62	16.10	16.78	16.14
G 95.0	18.01	18.26	17.91	18.35	18.01	18.42	17.93
G 97.5	20.74	20.88	20.74	20.95	20.80	21.05	20.77
G100.0	24.00	23.96	23.94	24.05	24.06	24.10	24.01
G102.5	27.33	27.31	27.33	27.40	27.41	27.31	27.39
G105.0	30.77	30.70	30.79	30.85	30.68	30.62	30.75
G107.5	34.14	34.03	34.14	33.89	33.78	33.96	34.07
G110.0	37.51	37.45	37.30	36.69	36.53	37.34	37.44
G112.5	40.82	40.81	40.31	39.14	39.50	40.66	40.85
G115.0	44.34	43.90	42.87	41.79	42.58	43.54	44.39
G117.5	47.28	46.47	45.13	45.09	45.47	46.33	46.99
G120.0	48.72	48.71	48.26	48.68	49.15	49.26	48.49
G122.5	50.51	51.14	51.87	52.26	52.88	51.79	50.59
G125.0	53.79	54.01	55.15	55.26	55.89	54.33	53.86
G127.5	57.10	57.22	57.95	57.90	58.47	57.60	57.23
G130.0	60.16	60.23	60.46	60.45	60.95	60.65	60.21
G132.5	62.51	62.33	62.65	62.72	62.99	62.79	62.40
G135.0	64.00	64.13	64.30	64.59	64.48	64.59	63.95
G137.5	65.76	65.96	65.92	66.31	65.94	66.38	65.63
G140.0	67.85	67.88	67.68	67.89	67.57	68.01	67.64
G142.5	69.78	69.68	69.38	69.31	69.28	69.68	69.48
G145.0	71.71	71.49	70.95	70.91	70.77	71.60	71.21
G147.5	73.74	73.58	72.57	72.79	72.48	73.82	73.04
G150.0	76.30	75.91	74.76	74.78	74.70	76.26	75.65
G152.5	78.87	78.30	77.19	77.17	77.24	78.88	78.35
G155.0	81.40	81.71	79.97	81.06	80.29	82.57	81.57
G157.5	85.46	85.61	84.49	85.39	84.97	86.43	85.96
G160.0	90.23	88.95	89.53	88.47	89.83	89.25	90.51
G162.5	93.72	92.20	92.72	91.69	93.13	92.37	93.44
G165.0	95.68	94.66	94.43	94.28	94.88	95.25	95.23
G167.5	97.25	96.22	95.81	95.90	96.18	96.91	96.52
G170.0	98.48	97.66	97.10	97.32	97.56	98.38	97.94
G172.5	99.72	99.02	98.35	98.53	98.79	99.79	99.58
G175.0	100.85	100.36	99.22	99.66	99.82	100.89	100.63
G177.5	101.60	101.14	100.05	100.47	100.73	101.62	101.62
G180.0	101.44	101.44	101.44	101.44	101.44	101.44	101.44

Luminaire
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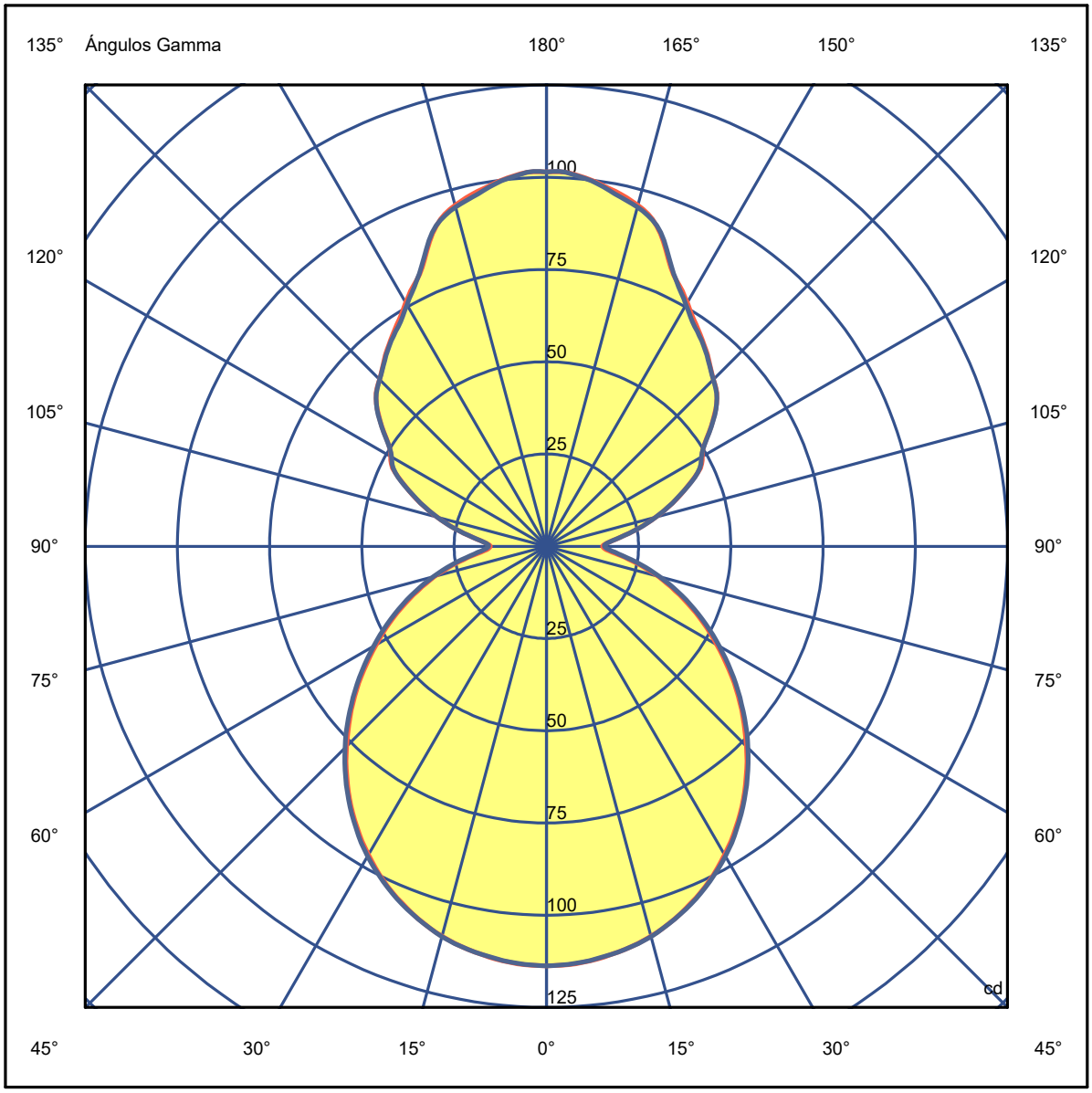
Luminaire Flux	673.49 lm	Luminaire Power	37.78 W	Efficacy	17.83 lm/W	Efficiency	100.00%
Sources Flux	673.49 lm	Maximum value	113.69 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1200mm



Semiplanos C

180.0 0.0
270.0 90.0



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Sources Flux	673.49 lm	Maximum value	113.69 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	0.9	1.8	1.8	2.7	3.7	1.0	1.9	1.9	2.7	3.8
x=2H y=3H	2.7	3.5	3.6	4.3	5.5	2.8	3.5	3.6	4.4	5.6
x=2H y=4H	3.5	4.2	4.4	5.1	6.3	3.6	4.3	4.5	5.2	6.4
x=2H y=6H	4.3	5.0	5.2	5.9	7.0	4.4	5.1	5.3	6.0	7.1
x=2H y=8H	4.7	5.3	5.6	6.2	7.4	4.8	5.4	5.7	6.3	7.5
x=2H y=12H	5.0	5.6	5.9	6.5	7.7	5.1	5.7	6.1	6.7	7.8
x=4H y=2H	1.5	2.3	2.4	3.1	4.3	1.6	2.3	2.5	3.2	4.4
x=4H y=3H	3.5	4.1	4.4	5.0	6.2	3.6	4.2	4.5	5.1	6.3
x=4H y=4H	4.5	5.0	5.4	6.0	7.2	4.5	5.1	5.5	6.0	7.2
x=4H y=6H	5.4	5.9	6.4	6.8	8.1	5.5	6.0	6.5	6.9	8.1
x=4H y=8H	5.9	6.3	6.8	7.2	8.5	5.9	6.4	6.9	7.3	8.6
x=4H y=12H	6.3	6.7	7.3	7.7	8.9	6.4	6.8	7.4	7.8	9.0
x=8H y=4H	4.8	5.2	5.8	6.2	7.5	4.9	5.3	5.8	6.3	7.5
x=8H y=6H	6.0	6.3	6.9	7.3	8.6	6.0	6.4	7.0	7.4	8.6
x=8H y=8H	6.5	6.9	7.5	7.9	9.1	6.6	6.9	7.6	7.9	9.2
x=8H y=12H	7.1	7.4	8.1	8.4	9.7	7.3	7.5	8.3	8.5	9.8
x=12H y=4H	5.5	5.9	6.5	6.9	8.1	5.5	5.9	6.5	6.9	8.2
x=12H y=6H	6.5	6.8	7.5	7.8	9.1	6.6	6.9	7.6	7.9	9.2
x=12H y=8H	7.1	7.4	8.1	8.4	9.7	7.2	7.4	8.2	8.4	9.7

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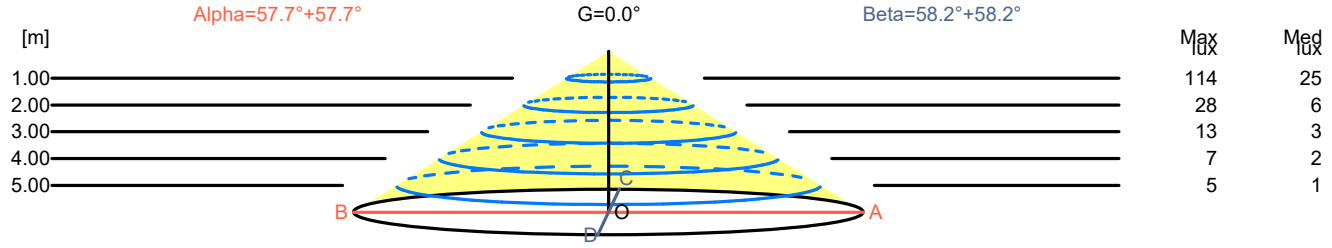
Luminaire Flux	673.49 lm	Luminaire Power	37.78 W	Efficacy	17.83 lm/W	Efficiency	100.00%
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Width at 50.00 % of Max Intensity

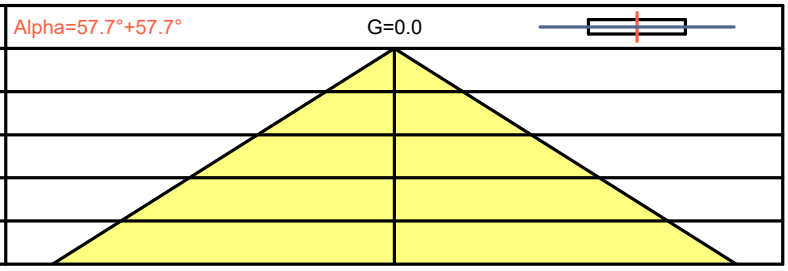
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.58	3.17	4.75	6.34	7.92	OC	1.61	3.23	4.84	6.45	8.07
OB	1.58	3.17	4.75	6.34	7.92	OD	1.61	3.23	4.84	6.45	8.07

Luminous Intensities [cd]

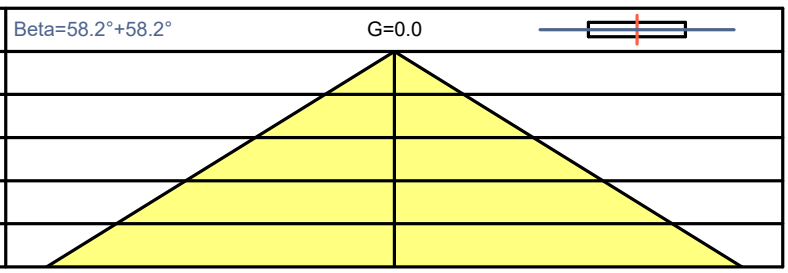
	0	5	15	25	35	45	55	65	75	85
OA	113.69	113.15	109.37	101.76	90.61	76.66	61.24	45.79	31.29	17.91
OB	113.69	113.15	109.37	101.76	90.61	76.66	61.24	45.79	31.29	17.91
OC	113.69	113.10	109.47	101.96	90.95	77.22	61.89	46.50	31.80	18.67
OD	113.69	113.10	109.47	101.96	90.95	77.22	61.89	46.50	31.80	18.67



H[m]	D[m]	Max lux	Med lux
1.00	3.17	114	25
2.00	6.34	28	6
3.00	9.50	13	3
4.00	12.67	7	2
5.00	15.84	5	1



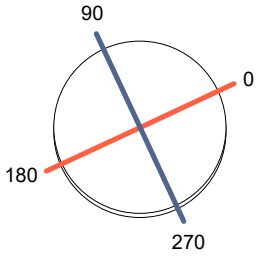
H[m]	D[m]	Max lux	Med lux
1.00	3.23	114	25
2.00	6.45	28	6
3.00	9.68	13	3
4.00	12.91	7	2
5.00	16.13	5	1



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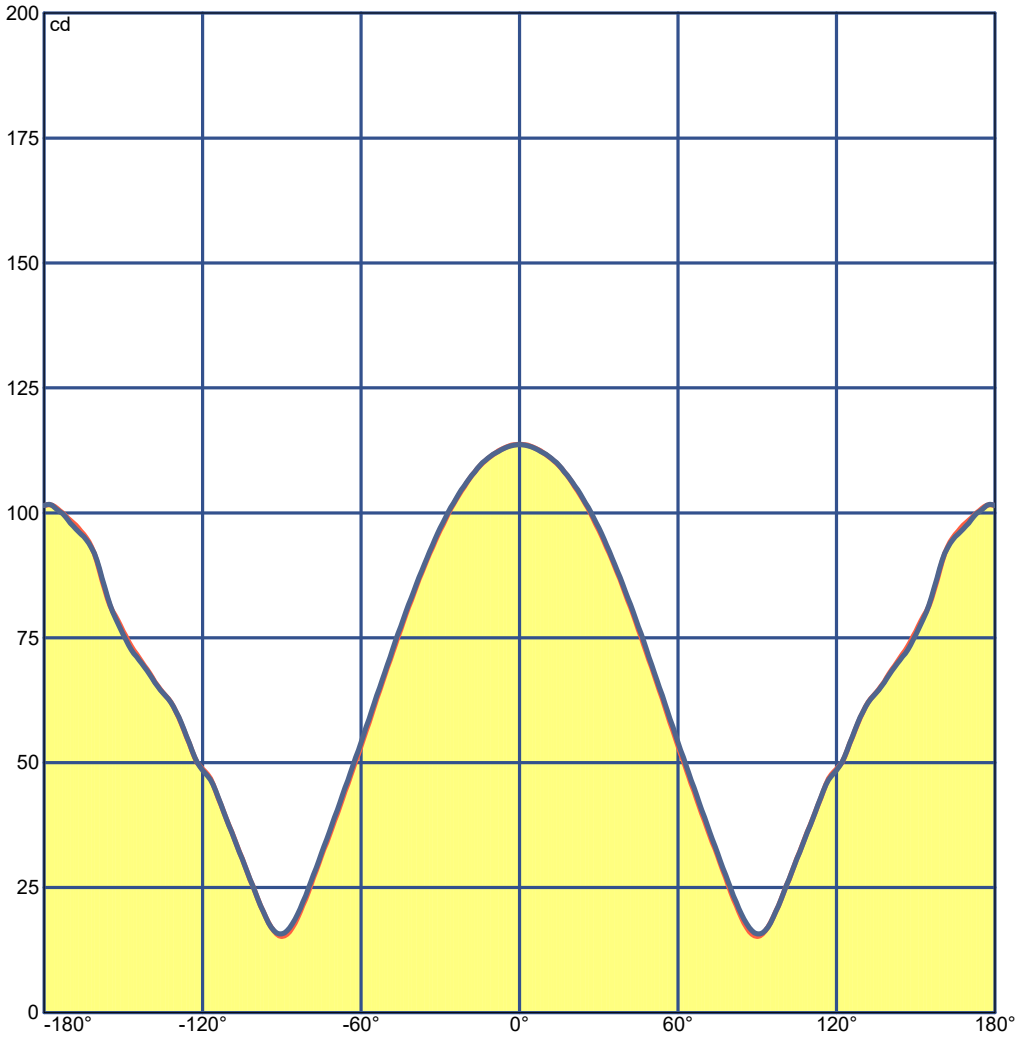
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Sources Flux	673.49 lm	Maximum value	113.69 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Diam=1200mm



Semiplanos C





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Sources Flux	673.49 lm	Maximum value	113.69 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Flujo Total=673.49 Flujo Luminaria=673.49

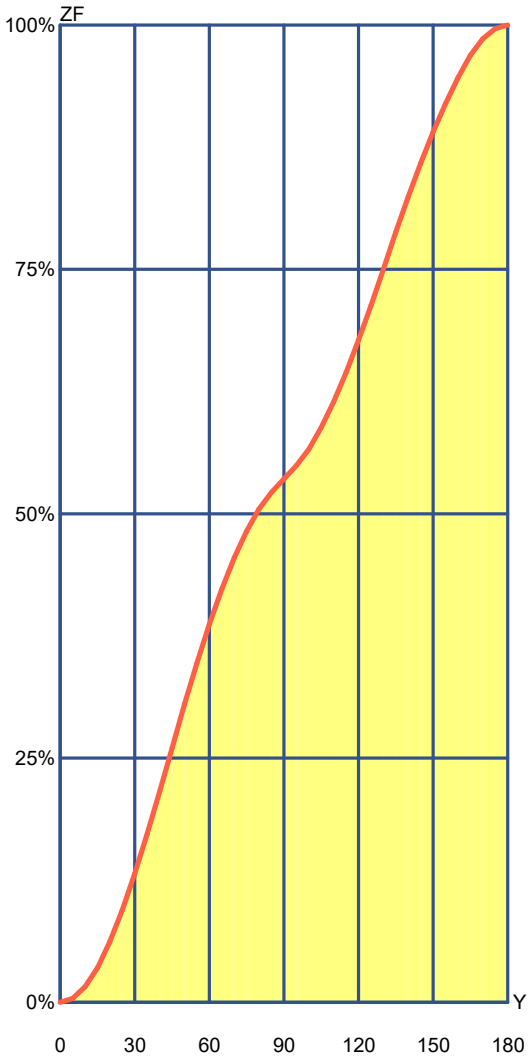
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.35	0.42	0.49	0.55	0.63	0.69	0.73	0.78	0.82	0.90	0.94
RC	6	6	6	6	6	6	6	6	6	6	6	6

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)	16	62	132	216	304	387	455	505	536	566	614	678	750	824	891	946	986	1000

Códigos de Flujo C.I.E.
43 72 90 54 100

C.I.E.	6	LOR	100.00000 %
D DIN 5040	C31	ULOR	46.43694 %
F UTE	0.54 G + 0.46 T	DLOR	53.56306 %
B NBN	BZ 5	UFF	46.43694 %
RN	46.43694 %	DFF	53.56306 %
BLF	1.0	FFR	86.69582 %



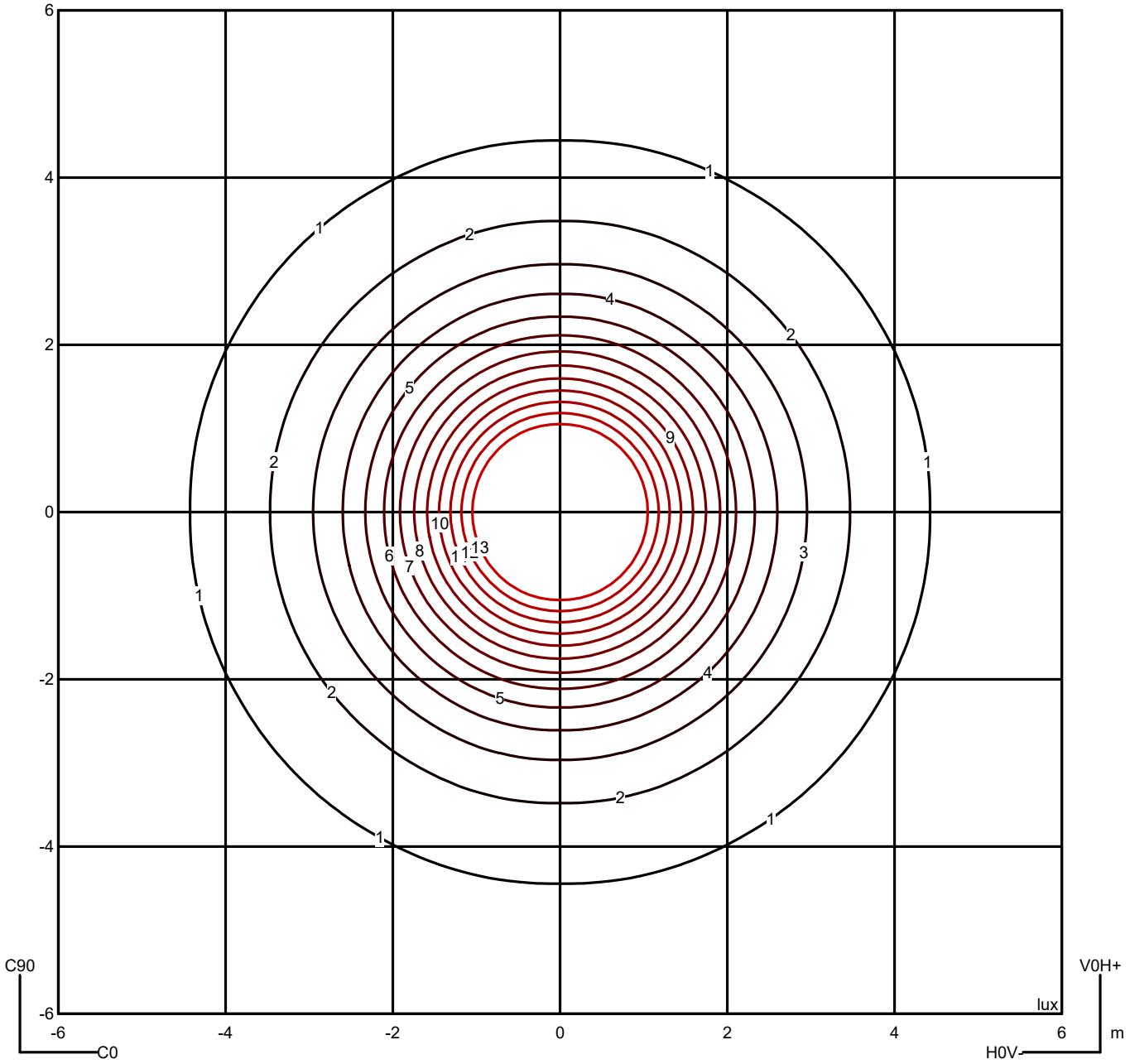
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	4.03	4.03	0.40 %	0.40 %
10°	11.94	15.96	1.19 %	1.60 %
15°	19.47	35.43	1.95 %	3.54 %
20°	26.36	61.79	2.64 %	6.18 %
25°	32.38	94.17	3.24 %	9.42 %
30°	37.34	131.52	3.73 %	13.15 %
35°	41.05	172.56	4.10 %	17.26 %
40°	43.41	215.97	4.34 %	21.60 %
45°	44.41	260.39	4.44 %	26.04 %
50°	44.06	304.45	4.41 %	30.44 %
55°	42.47	346.92	4.25 %	34.69 %
60°	39.79	386.71	3.98 %	38.67 %
65°	36.22	422.92	3.62 %	42.29 %
70°	32.02	454.94	3.20 %	45.49 %
75°	27.38	482.32	2.74 %	48.23 %
80°	22.34	504.66	2.23 %	50.47 %
85°	17.27	521.93	1.73 %	52.19 %
90°	13.70	535.63	1.37 %	53.56 %
95°	13.54	549.17	1.35 %	54.92 %
100°	16.92	566.09	1.69 %	56.61 %
105°	21.74	587.83	2.17 %	58.78 %
110°	26.35	614.18	2.64 %	61.42 %
115°	30.20	644.38	3.02 %	64.44 %
120°	33.17	677.55	3.32 %	67.75 %
125°	35.51	713.06	3.55 %	71.31 %
130°	37.22	750.28	3.72 %	75.03 %
135°	37.51	787.79	3.75 %	78.78 %
140°	36.31	824.10	3.63 %	82.41 %
145°	34.42	858.52	3.44 %	85.85 %
150°	32.00	890.51	3.20 %	89.05 %
155°	29.33	919.84	2.93 %	91.98 %
160°	26.55	946.39	2.66 %	94.64 %
165°	22.58	968.97	2.26 %	96.90 %
170°	16.95	985.92	1.69 %	98.59 %
175°	10.50	996.43	1.05 %	99.64 %
180°	3.57	1000.00	0.36 %	100.00 %

Luminaire
Code 366
Name Roda S/120 Cream Translucent Ribbon Shade
Measurem.
Code CL092A23D008GP
Name Roda S/120 Cream Translucent Ribbon Shade

Luminaire Flux	673.49 lm	Luminaire Power	37.78 W	Efficacy	17.83 lm/W	Efficiency	100.00%
Sources Flux	673.49 lm	Maximum value	113.69 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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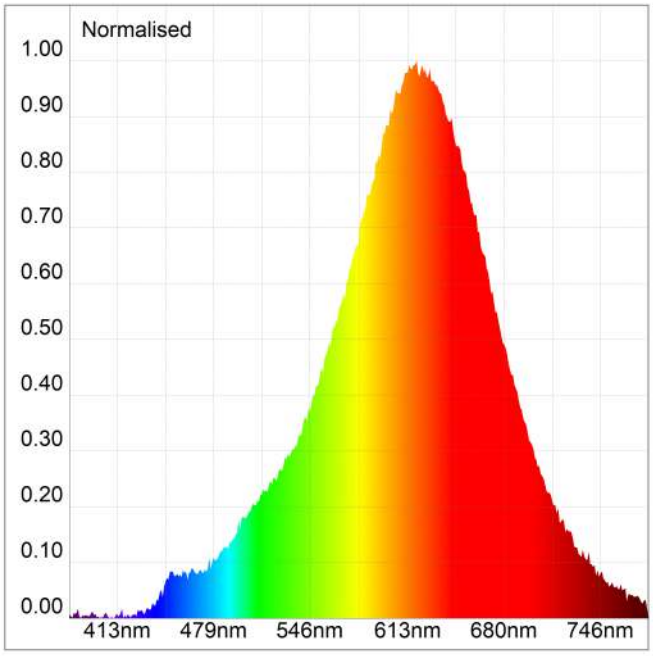
Spectral Data

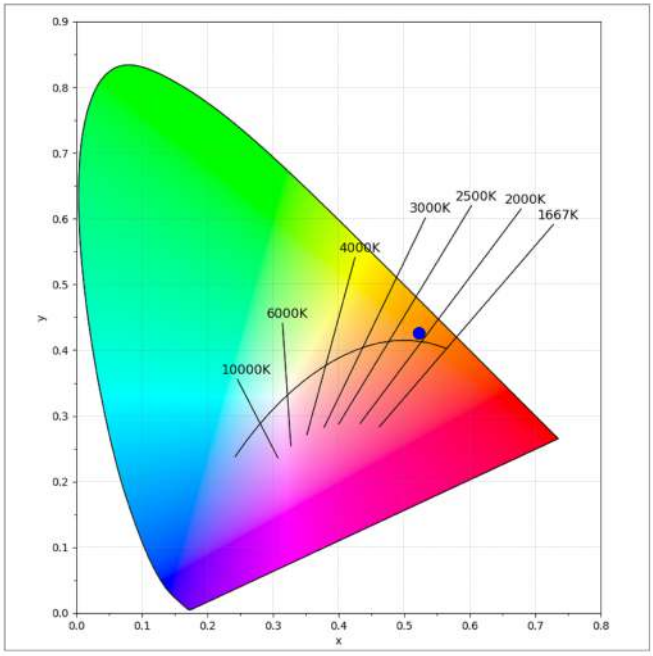
CIE1931	x =0.523350	y =0.425523	Color rendering index (CRI)	CRI8(Ra) 84.3			CRI15(Rav) 80.3		
CIE1960	u =0.296533	v =0.361656	Color Rendering Components	R 1: 82.5	R 2: 92.3		R 3: 96.5	R 4: 80.8	R 5: 82.1
CIE1976	u'=0.296533	v'=0.542484		R 6: 92.8	R 7: 84.2		R 8: 63.5	R 9: 26.5	R10: 83.5
D(u,v)	0.00344		S/P ratio = 0.90079	R11: 79.8	R12: 81.4		R13: 84.2	R14: 99.0	R15: 75.7
			CCT = 2104 K	M/P Well = 0.30072					

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.006051	386.0	0.016715	392.0	0.005555
398.0	0.005234	404.0	0.002277	410.0	0.000234
416.0	0.006832	422.0	0.000635	428.0	0.007445
434.0	0.006927	440.0	0.026934	446.0	0.050949
452.0	0.083212	458.0	0.074453	464.0	0.069124
470.0	0.080292	476.0	0.088321	482.0	0.109489
488.0	0.121898	494.0	0.135766	500.0	0.159124
506.0	0.190511	512.0	0.210219	518.0	0.229927
524.0	0.251095	530.0	0.275182	536.0	0.304380
542.0	0.328467	548.0	0.370073	554.0	0.422628
560.0	0.479562	566.0	0.531387	572.0	0.572993
578.0	0.652555	584.0	0.718248	590.0	0.773723
596.0	0.824818	602.0	0.883212	608.0	0.941606
614.0	0.978102	620.0	0.992701	626.0	0.978102
632.0	0.963504	638.0	0.941606	644.0	0.890511
650.0	0.846715	656.0	0.773723	662.0	0.723358
668.0	0.650365	674.0	0.569343	680.0	0.494161
686.0	0.435766	692.0	0.377372	698.0	0.318978
704.0	0.271533	710.0	0.227737	716.0	0.203650
722.0	0.173723	728.0	0.143066	734.0	0.110219
740.0	0.097080	746.0	0.073723	752.0	0.064672
758.0	0.058029	764.0	0.052993	770.0	0.038248
776.0	0.025912	782.0	0.025547	788.0	0.025547

Spectrum Graph

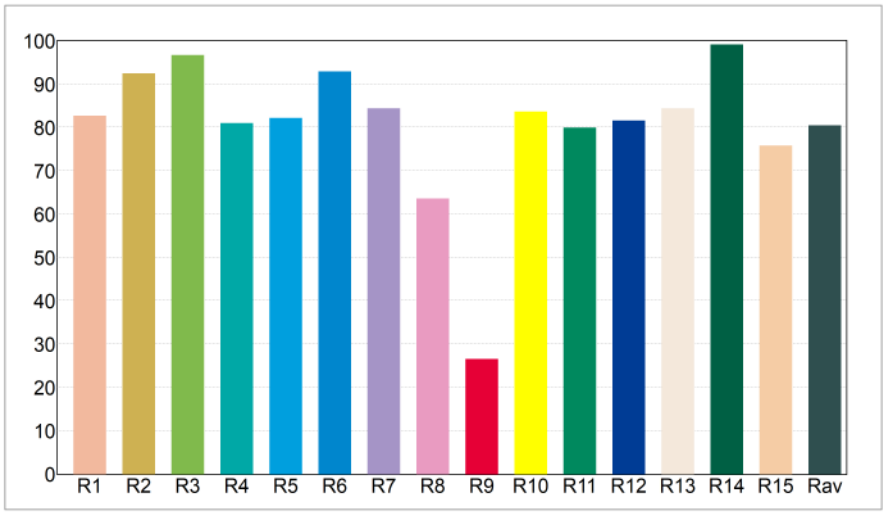


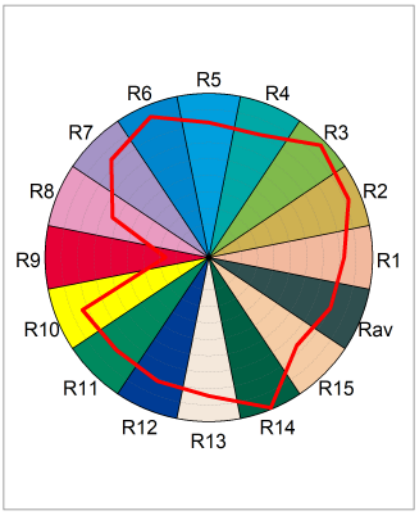


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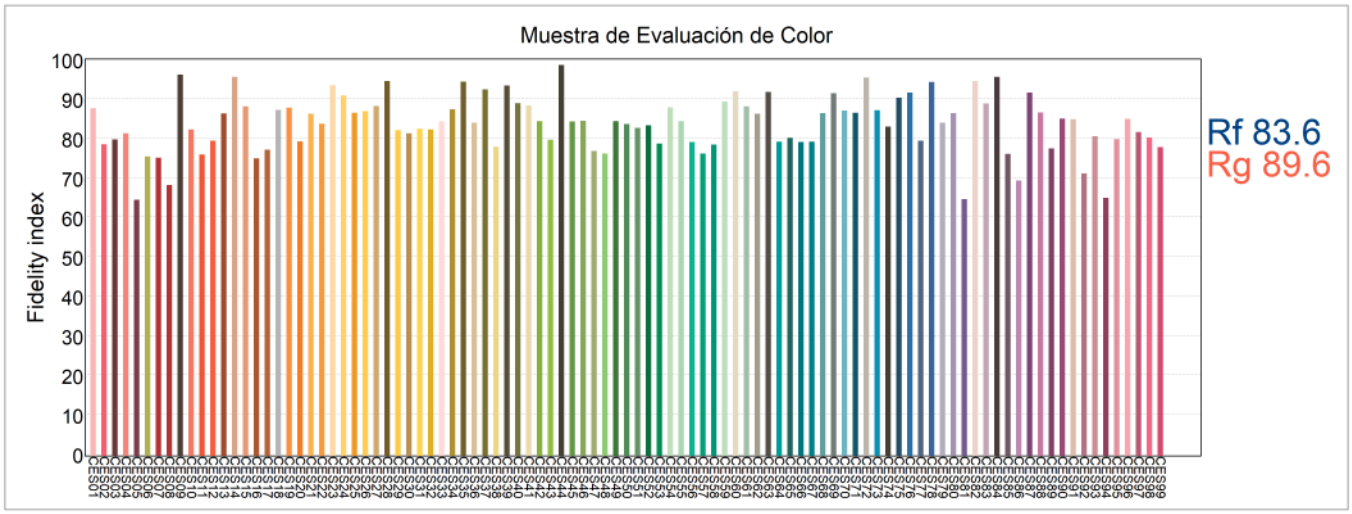
CRI Graphs



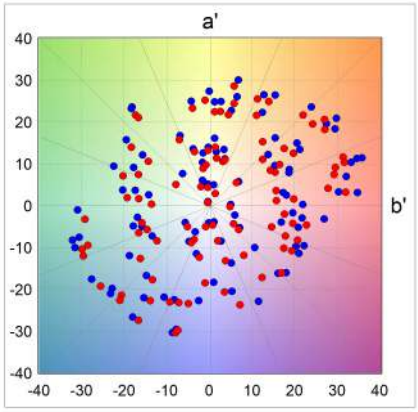


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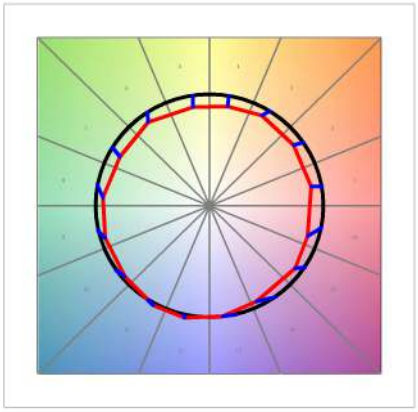
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Sources Flux	673.49 lm	Maximum value	113.69 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



Chromatic Coordinates (a', b') 99 CES



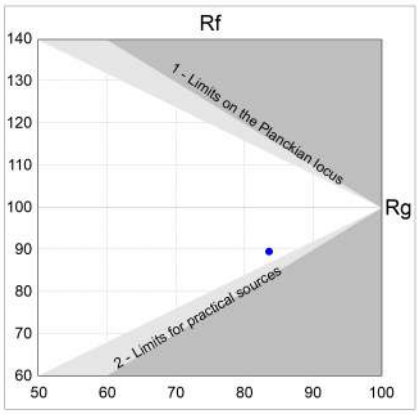
Color Vector Graphic



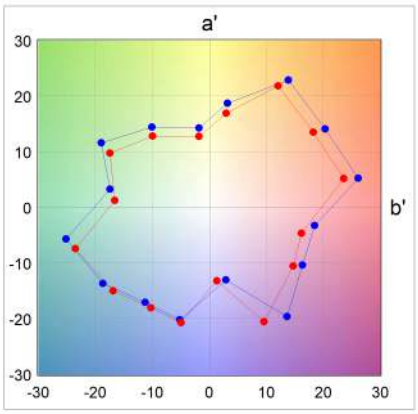
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

