Luminaire
Code 366
Name Roda S/150 Cream Translucent Ribbon Shade
Measurem.
Code CL092A23D003GP
Name Roda S/150 Cream Translucent Ribbon Shade

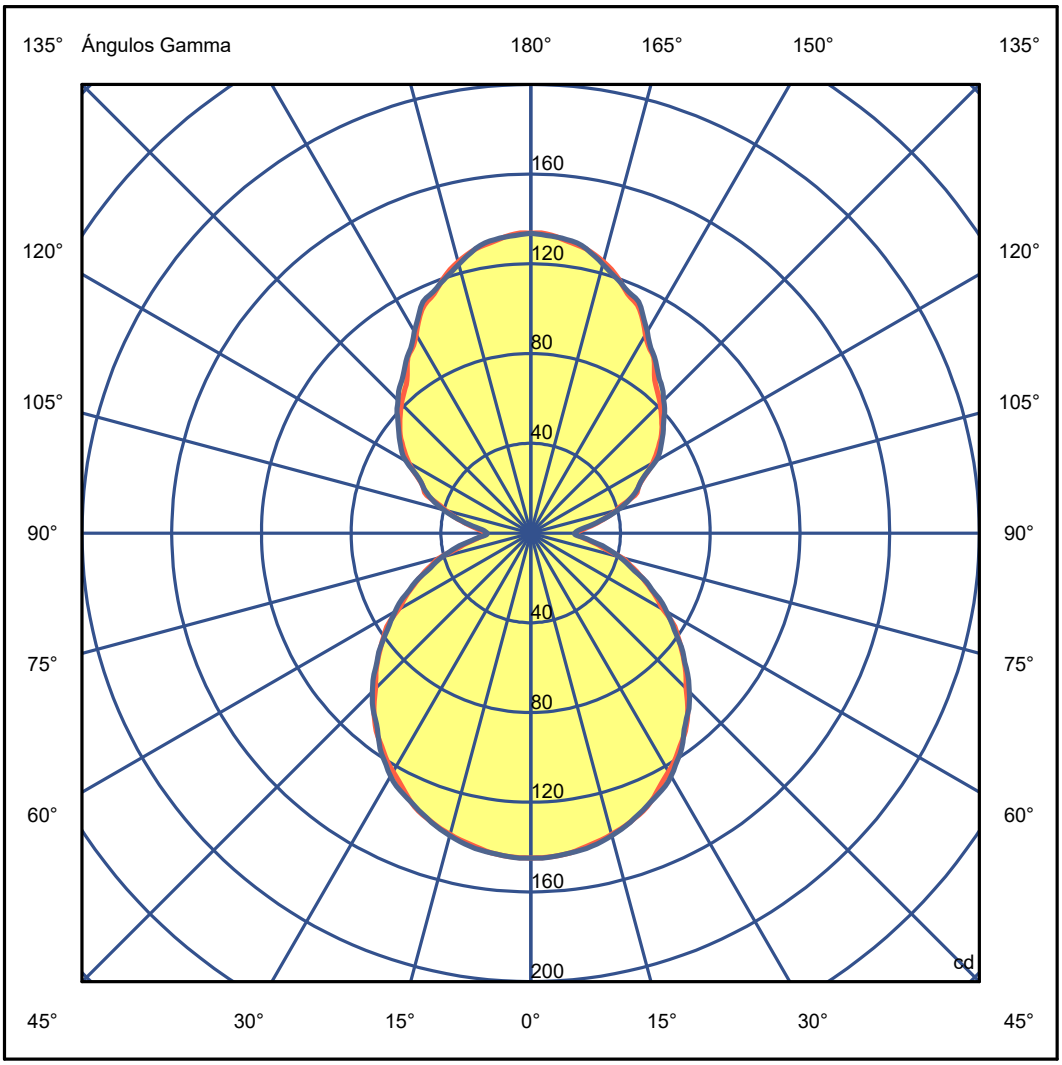
Luminaire Flux	873.38 lm	Luminaire Power	44.73 W	Efficacy	19.53 lm/W	Efficiency	100.00%
Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

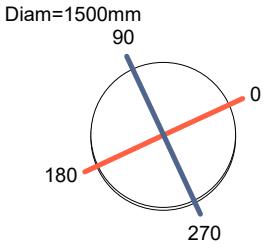
Round Luminaire	Diam. 1500 mm	Height	60 mm
Round Luminous Area	Diam. 1500 mm	Height	60 mm
Horizontal Luminous Area	1.767146 m2	Emitting area on Plane 180°	0.090000 m2
Emitting area on Plane 0°	0.090000 m2	Emitting area on Plane 270°	0.090000 m2
Emitting area on Plane 90°	0.090000 m2	Glare area at 76°	0.514838 m2
Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	12-05-2023	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	873.38 lm
Operator	ASSELUM	Rated Voltage	24.03 V
Temperature	24.20 °C	Rated Current	1.86 A
Humidity	38.70 %	Photocell	Prc
Notes	RM23050310		

Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	RF-xxHI35DS-EF-2N-Y 103[illegible]	[illegible]-12-09	873.38	44.73	1

C.I.E.	42 72 90 53 100	D DIN 5040	C31
F UTE	0.53 G + 0.47 T	B NBN	BZ 5





Semiplanos C
180.0 0.0
270.0 90.0

ULOR 47.07 %
DLOR 52.93 %
RN 47.07 %

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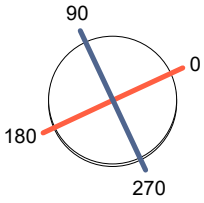
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	144.81	144.81	144.81	144.81	144.81	144.81	144.81
G 2.5	144.70	144.58	144.46	144.45	144.57	144.74	144.83
G 5.0	144.21	144.04	143.85	143.78	143.91	144.12	144.23
G 7.5	143.40	143.22	143.04	142.99	143.16	143.40	143.52
G 10.0	141.90	141.96	141.98	142.07	142.30	142.56	142.69
G 12.5	140.52	140.60	140.66	140.79	141.03	141.27	141.37
G 15.0	139.06	138.99	138.91	138.94	139.17	139.45	139.58
G 17.5	137.34	137.31	137.22	137.20	137.34	137.54	137.64
G 20.0	135.29	135.25	135.14	135.07	135.10	135.18	135.22
G 22.5	133.08	132.97	132.72	132.54	132.56	132.68	132.75
G 25.0	129.81	129.77	129.79	129.88	130.06	130.23	130.31
G 27.5	125.87	126.01	126.28	126.72	127.33	127.89	128.14
G 30.0	122.80	122.69	122.78	123.19	123.95	124.72	125.07
G 32.5	119.68	119.75	119.86	120.08	120.47	120.86	121.04
G 35.0	115.92	115.99	116.14	116.40	116.75	117.07	117.21
G 37.5	112.60	112.22	111.91	111.75	111.79	111.93	112.01
G 40.0	108.45	108.05	107.62	107.38	107.50	107.78	107.94
G 42.5	103.48	103.24	103.21	103.41	103.84	104.29	104.49
G 45.0	97.91	98.17	98.60	99.07	99.49	99.78	99.89
G 47.5	93.73	93.65	93.78	94.10	94.55	94.97	95.15
G 50.0	89.20	89.12	89.09	89.16	89.35	89.55	89.65
G 52.5	84.62	84.31	84.14	84.18	84.47	84.82	84.99
G 55.0	80.02	79.60	79.15	78.88	78.91	79.10	79.21
G 57.5	75.38	75.13	74.84	74.60	74.46	74.41	74.40
G 60.0	68.21	68.76	69.45	69.98	70.10	69.99	69.90
G 62.5	63.66	63.74	64.12	64.60	65.02	65.31	65.41
G 65.0	59.06	59.35	59.82	60.12	60.02	59.72	59.54
G 67.5	54.66	54.81	55.02	55.18	55.18	55.11	55.06
G 70.0	50.23	50.19	50.26	50.19	49.83	49.38	49.17
G 72.5	45.87	45.68	45.46	45.27	45.13	45.06	45.04
G 75.0	41.84	41.50	41.17	40.94	40.88	40.91	40.95
G 77.5	34.86	35.38	36.09	36.63	36.78	36.68	36.60
G 80.0	30.77	30.99	31.48	31.97	32.26	32.37	32.40
G 82.5	26.72	27.00	27.35	27.56	27.48	27.27	27.14
G 85.0	23.32	23.56	23.90	24.14	24.15	24.04	23.96
G 87.5	20.83	21.33	21.76	21.76	21.24	20.54	20.24
G 90.0	19.88	20.21	20.51	20.62	20.27	19.77	19.47
G 92.5	21.65	21.77	21.75	21.54	21.15	20.75	20.57
G 95.0	24.30	24.43	24.35	24.06	23.60	23.16	22.97
G 97.5	27.86	27.88	27.65	27.34	27.10	26.96	26.91
G100.0	31.66	31.80	31.85	31.75	31.53	31.28	31.17
G102.5	35.58	35.72	35.73	35.72	35.77	35.85	35.89
G105.0	39.52	39.87	40.08	40.20	40.24	40.25	40.24
G107.5	43.31	43.69	44.03	44.30	44.45	44.52	44.53
G110.0	49.36	48.79	47.96	47.41	47.53	47.99	48.26
G112.5	51.71	51.91	51.90	51.76	51.58	51.44	51.38
G115.0	54.10	54.88	55.40	55.47	55.01	54.38	54.06
G117.5	58.50	59.29	59.92	60.05	59.47	58.66	58.25
G120.0	62.79	63.53	64.15	64.53	64.57	64.44	64.35
G122.5	66.50	67.76	68.77	69.29	69.00	68.43	68.29
G125.0	70.08	71.18	72.13	72.56	72.22	71.57	71.21
G127.5	73.55	74.50	75.30	75.54	75.22	74.62	74.30
G130.0	76.20	77.22	77.95	78.09	77.82	77.35	77.23
G132.5	78.91	79.71	80.40	80.87	81.03	81.00	80.95
G135.0	81.58	82.29	82.93	83.40	83.63	83.69	83.69
G137.5	84.02	85.08	85.92	86.30	86.71	86.91	86.97
G140.0	86.47	87.72	88.83	89.33	89.55	89.44	89.33
G142.5	90.48	91.22	91.79	92.18	92.38	92.45	92.46
G145.0	95.54	95.46	95.21	95.11	95.40	95.83	96.05
G147.5	98.06	98.44	98.61	98.71	98.81	98.92	98.96
G150.0	102.22	102.79	103.23	103.53	103.73	103.83	103.85
G152.5	107.79	107.55	106.98	106.76	107.34	108.23	108.69
G155.0	112.29	112.29	112.02	112.02	112.62	113.42	113.83
G157.5	114.48	115.02	115.16	115.02	115.23	115.48	115.60
G160.0	118.24	118.24	117.81	117.50	117.69	118.11	118.35
G162.5	122.21	121.85	121.10	120.52	120.51	120.81	121.00
G165.0	125.19	124.89	124.28	123.80	123.76	123.98	124.12
G167.5	127.79	127.33	126.64	126.24	126.47	126.99	127.27
G170.0	129.71	129.29	128.74	128.55	129.06	129.82	130.21
G172.5	130.95	130.98	130.97	130.98	131.25	131.56	131.70
G175.0	132.57	132.65	132.63	132.57	132.55	132.52	132.50
G177.5	133.79	133.57	133.26	133.02	132.99	133.02	133.04
G180.0	133.67	133.67	133.67	133.67	133.67	133.67	133.67

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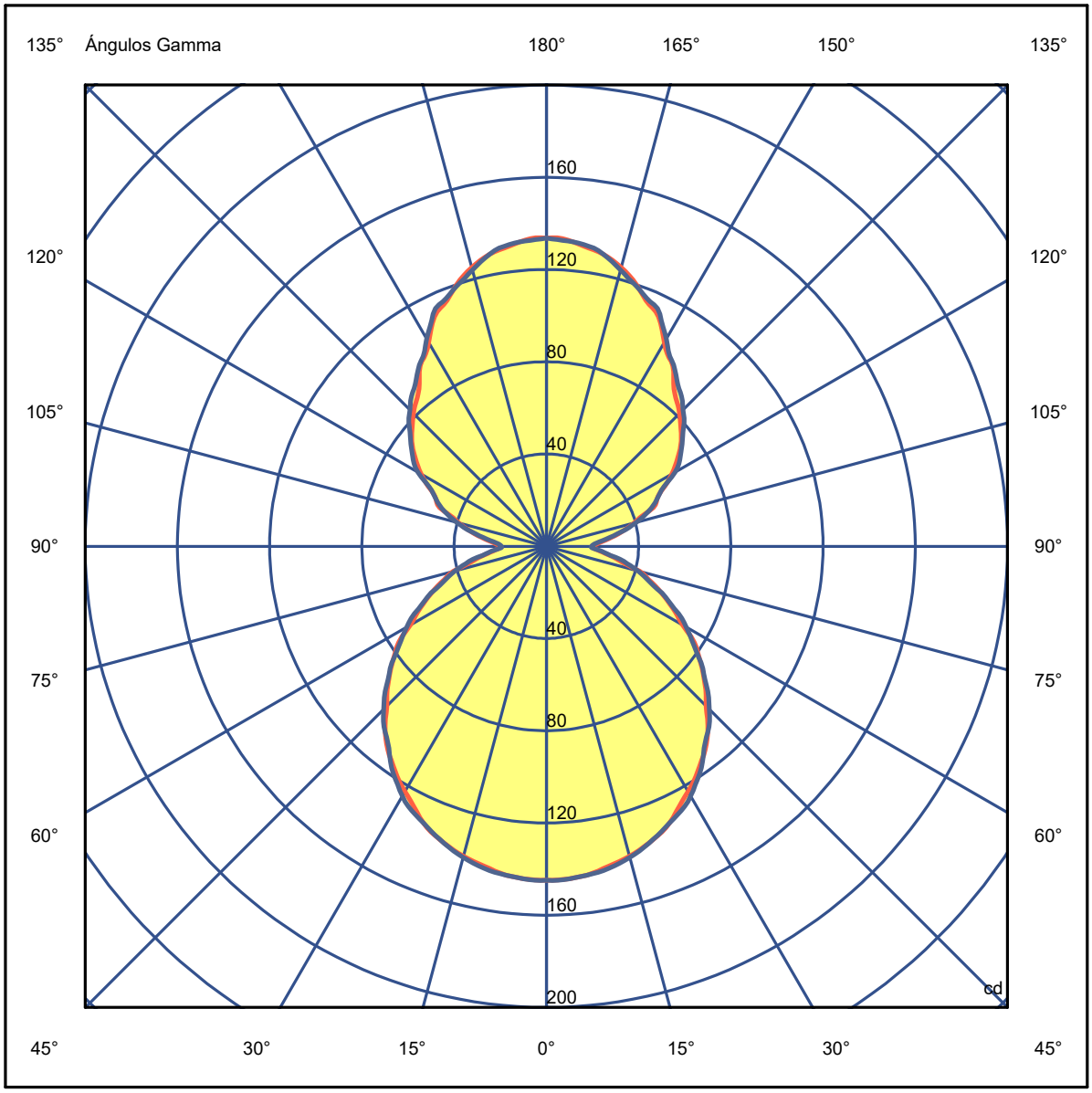
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Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Diam=1500mm



Semiplanos C

180.0 0.0
270.0 90.0



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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	0.3	1.1	1.1	2.0	3.1	0.3	1.2	1.2	2.1	3.1
x=2H y=3H	2.1	2.8	3.0	3.7	4.9	2.1	2.9	3.0	3.7	4.9
x=2H y=4H	3.0	3.7	3.9	4.6	5.7	2.9	3.7	3.8	4.6	5.7
x=2H y=6H	3.7	4.4	4.6	5.3	6.5	3.8	4.4	4.7	5.3	6.5
x=2H y=8H	4.1	4.7	5.0	5.6	6.8	4.1	4.8	5.1	5.7	6.9
x=2H y=12H	4.4	5.0	5.4	6.0	7.2	4.5	5.1	5.4	6.1	7.2
x=4H y=2H	0.9	1.6	1.8	2.5	3.7	0.9	1.7	1.8	2.5	3.7
x=4H y=3H	2.9	3.5	3.8	4.4	5.6	2.9	3.5	3.8	4.4	5.6
x=4H y=4H	3.9	4.4	4.9	5.4	6.6	3.9	4.4	4.8	5.4	6.6
x=4H y=6H	4.8	5.3	5.8	6.3	7.5	4.9	5.4	5.8	6.3	7.6
x=4H y=8H	5.3	5.7	6.2	6.7	7.9	5.3	5.8	6.3	6.7	8.0
x=4H y=12H	5.7	6.1	6.7	7.1	8.4	5.8	6.2	6.8	7.2	8.4
x=8H y=4H	4.3	4.7	5.2	5.7	6.9	4.2	4.7	5.2	5.6	6.9
x=8H y=6H	5.4	5.7	6.4	6.7	8.0	5.5	5.8	6.4	6.8	8.1
x=8H y=8H	6.0	6.3	7.0	7.3	8.6	6.0	6.4	7.0	7.4	8.7
x=8H y=12H	6.6	6.9	7.6	7.9	9.2	6.7	6.9	7.7	8.0	9.3
x=12H y=4H	5.0	5.3	5.9	6.3	7.6	4.9	5.3	5.9	6.3	7.5
x=12H y=6H	6.0	6.3	7.0	7.3	8.6	6.0	6.3	7.0	7.3	8.6
x=12H y=8H	6.5	6.8	7.6	7.8	9.1	6.6	6.8	7.6	7.9	9.2

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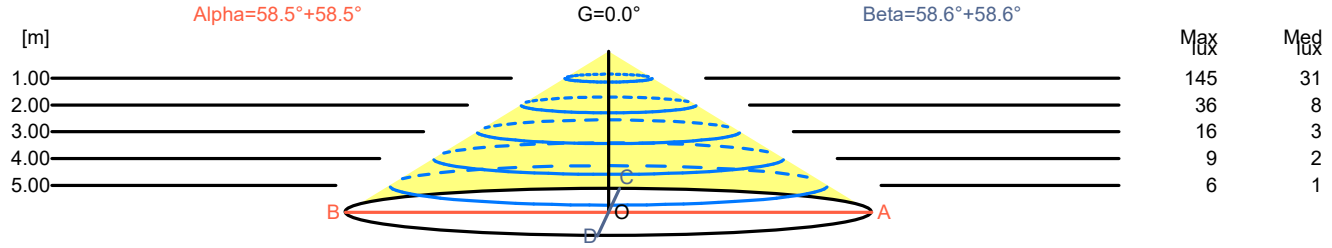
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Width at 50.00 % of Max Intensity

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	1.63	3.27	4.90	6.54	8.17	OC	1.64	3.28	4.91	6.55	8.19
OB	1.63	3.27	4.90	6.54	8.17	OD	1.64	3.28	4.91	6.55	8.19

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	144.81	144.21	139.06	129.81	115.92	97.91	80.02	59.06	41.84	23.32
OB	144.81	144.21	139.06	129.81	115.92	97.91	80.02	59.06	41.84	23.32
OC	144.81	144.23	139.58	130.31	117.21	99.89	79.21	59.54	40.95	23.96
OD	144.81	144.23	139.58	130.31	117.21	99.89	79.21	59.54	40.95	23.96



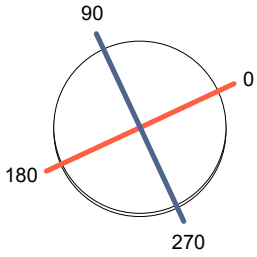
H[m]	D[m]	Max lux	Med lux	Alpha=58.5°+58.5° G=0.0
1.00	3.27	145	31	
2.00	6.54	36	8	
3.00	9.81	16	3	
4.00	13.08	9	2	
5.00	16.35	6	1	

H[m]	D[m]	Max lux	Med lux	Beta=58.6°+58.6° G=0.0
1.00	3.28	145	31	
2.00	6.55	36	8	
3.00	9.83	16	3	
4.00	13.10	9	2	
5.00	16.38	6	1	

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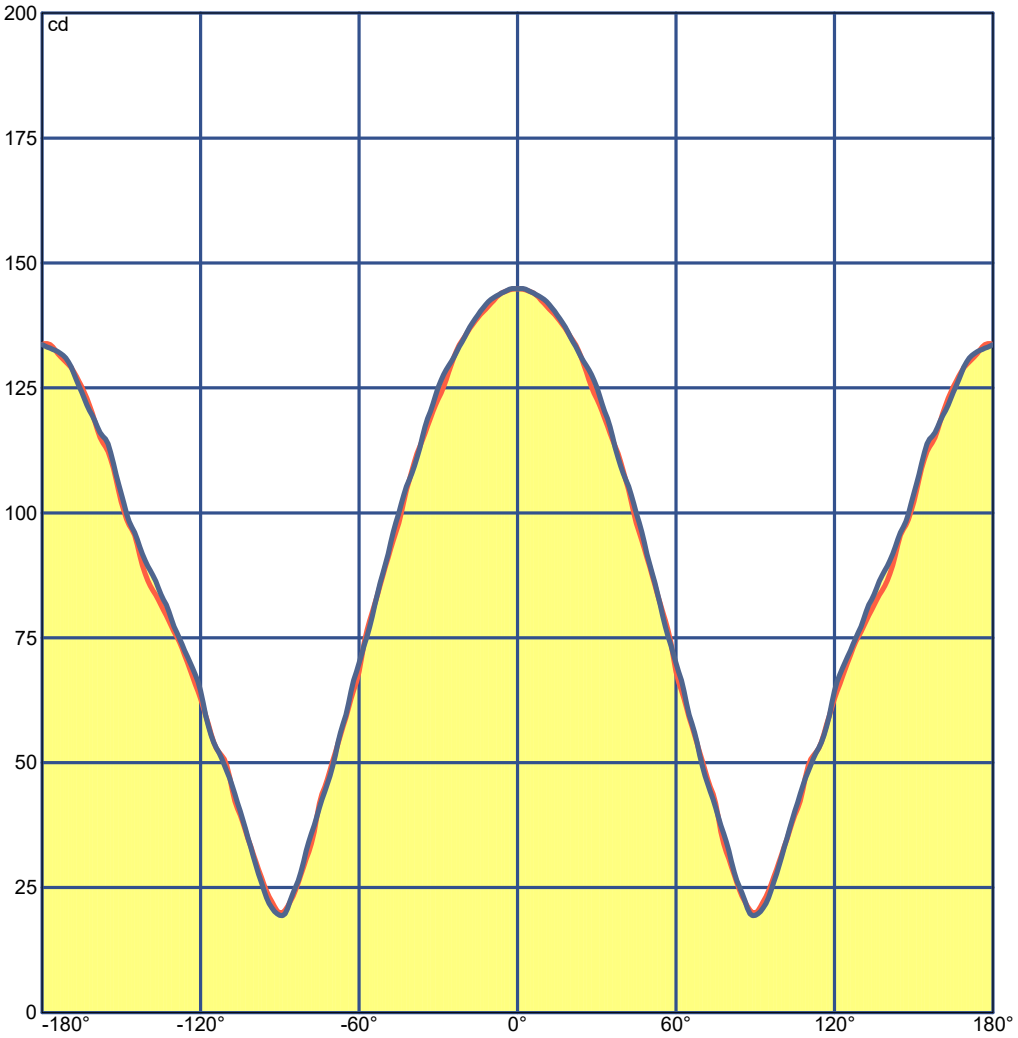
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Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Diam=1500mm



Semiplanos C





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Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Flujo Total=873.38 Flujo Luminaria=873.38

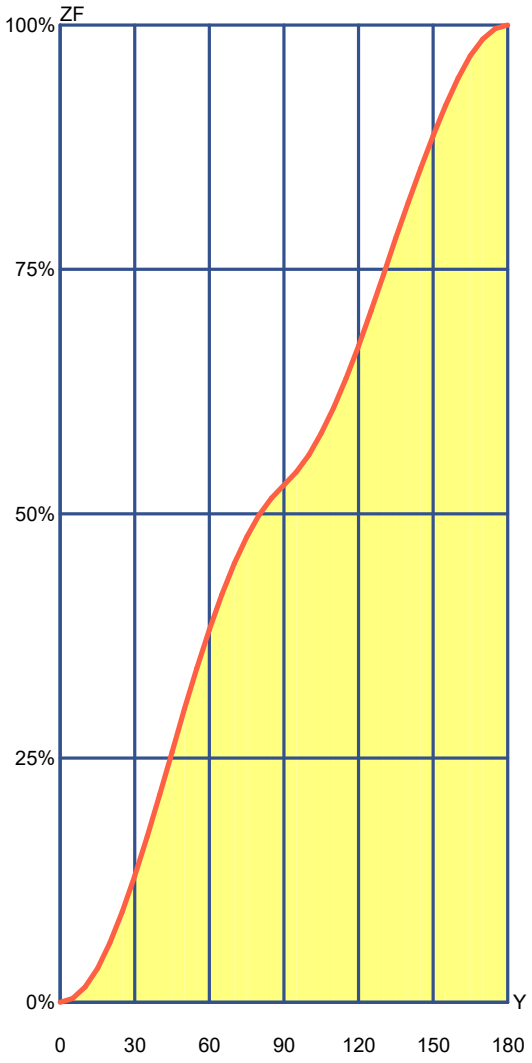
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.28	0.35	0.42	0.49	0.54	0.63	0.69	0.73	0.78	0.82	0.90	0.94
RC	6	6	6	6	6	6	6	6	6	6	6	6

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	61	129	213	300	381	449	499	529	560	608	671	745	818	887	946	986	1000

Códigos de Flujo C.I.E.
42 72 90 53 100

C.I.E.	6	LOR	100.00000 %
D DIN 5040	C31	ULOR	47.07060 %
F UTE	0.53 G + 0.47 T	DLOR	52.92940 %
B NBN	BZ 5	UFF	47.07060 %
RN	47.07060 %	DFF	52.92940 %
BLF	1.0	FFR	88.93093 %



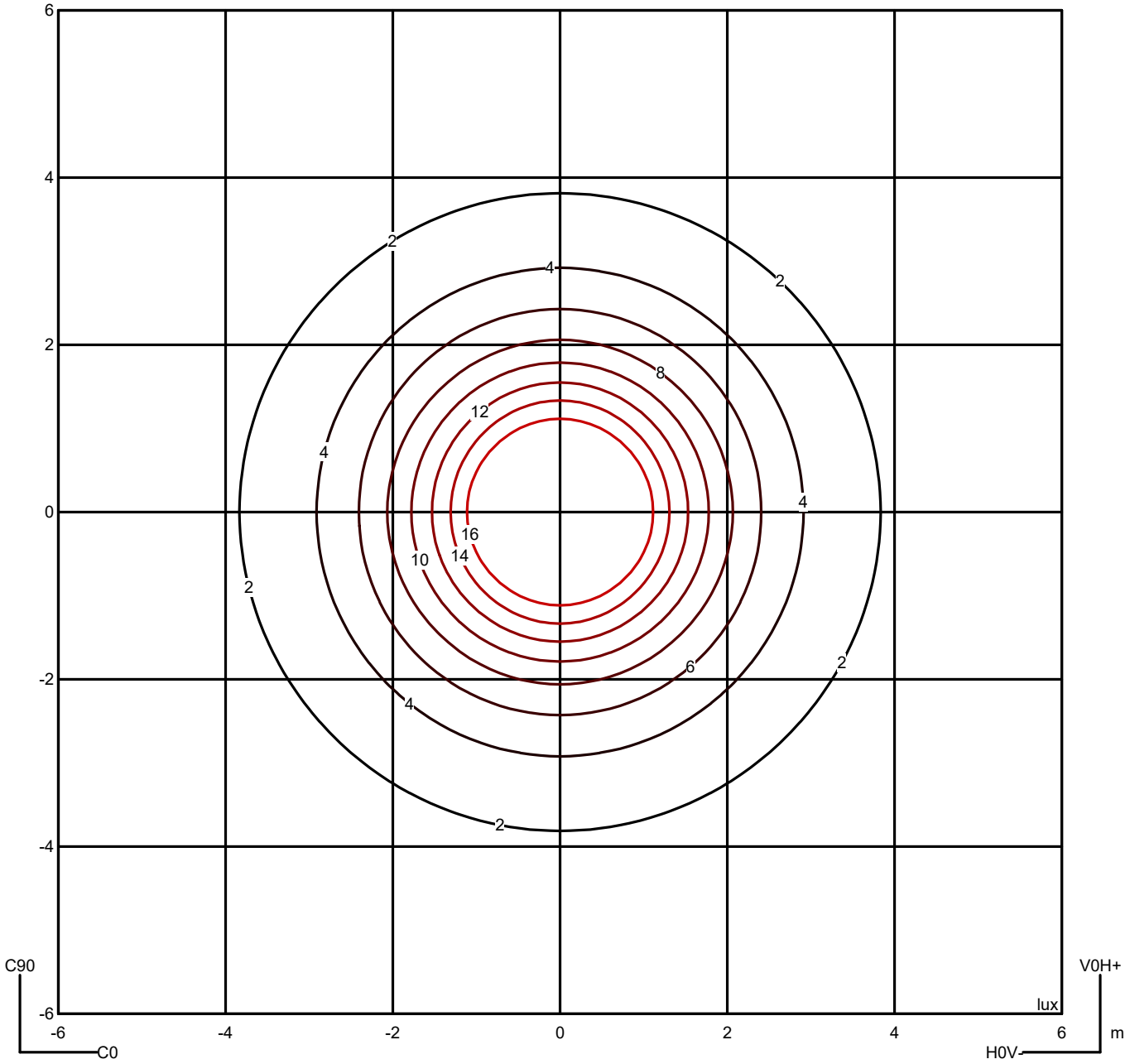
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.95	3.95	0.40 %	0.40 %
10°	11.72	15.67	1.17 %	1.57 %
15°	19.11	34.79	1.91 %	3.48 %
20°	25.89	60.67	2.59 %	6.07 %
25°	31.84	92.52	3.18 %	9.25 %
30°	36.73	129.25	3.67 %	12.92 %
35°	40.49	169.73	4.05 %	16.97 %
40°	42.79	212.52	4.28 %	21.25 %
45°	43.87	256.39	4.39 %	25.64 %
50°	43.56	299.96	4.36 %	30.00 %
55°	41.98	341.93	4.20 %	34.19 %
60°	39.44	381.38	3.94 %	38.14 %
65°	35.94	417.32	3.59 %	41.73 %
70°	31.83	449.16	3.18 %	44.92 %
75°	27.19	476.34	2.72 %	47.63 %
80°	22.26	498.60	2.23 %	49.86 %
85°	17.14	515.74	1.71 %	51.57 %
90°	13.55	529.29	1.36 %	52.93 %
95°	13.60	542.89	1.36 %	54.29 %
100°	17.15	560.04	1.71 %	56.00 %
105°	21.93	581.97	2.19 %	58.20 %
110°	26.40	608.37	2.64 %	60.84 %
115°	29.90	638.27	2.99 %	63.83 %
120°	33.05	671.32	3.31 %	67.13 %
125°	36.08	707.39	3.61 %	70.74 %
130°	37.20	744.59	3.72 %	74.46 %
135°	37.19	781.78	3.72 %	78.18 %
140°	36.45	818.24	3.65 %	81.82 %
145°	35.14	853.38	3.51 %	85.34 %
150°	33.37	886.75	3.34 %	88.67 %
155°	31.20	917.94	3.12 %	91.79 %
160°	27.65	945.60	2.77 %	94.56 %
165°	22.83	968.43	2.28 %	96.84 %
170°	17.21	985.63	1.72 %	98.56 %
175°	10.72	996.36	1.07 %	99.64 %
180°	3.64	1000.00	0.36 %	100.00 %

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Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code 366
Name Roda S/150 Cream Translucent Ribbon Shade
Measurem.
Code CL092A23D003GP
Name Roda S/150 Cream Translucent Ribbon Shade

Luminaire Flux	873.38 lm	Luminaire Power	44.73 W	Efficacy	19.53 lm/W	Efficiency	100.00%
Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

Spectral Data

CIE1931	x =0.523350	y =0.426187	Color rendering index (CRI)
CIE1960	u =0.296200	v =0.361812	Color Rendering Components
CIE1976	u'=0.296200	v'=0.542718	
D(u,v)	0.00363		
			CCT = 2108 K

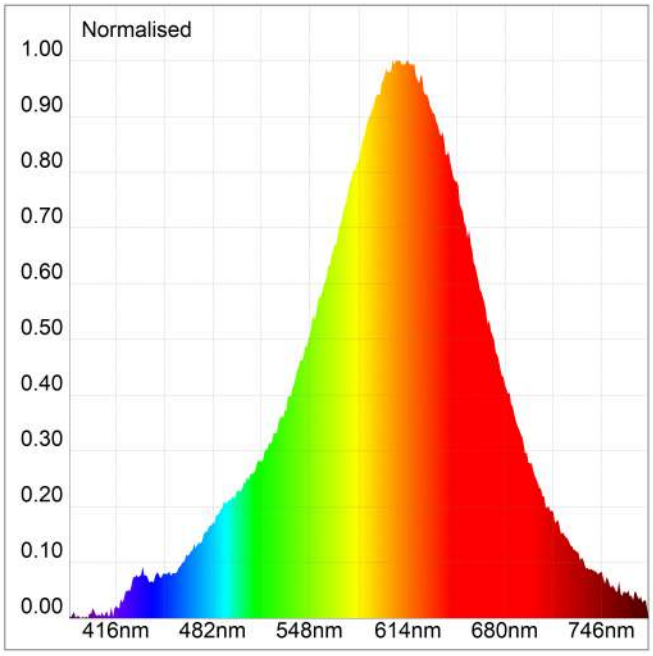
CRI8(Ra) 84.1
R 1: 82.3 R 2: 92.1 R 3: 96.5 R 4: 80.5 R 5: 81.7
R 6: 92.5 R 7: 84.1 R 8: 63.0 R 9: 25.4 R10: 83.1
R11: 79.3 R12: 81.0 R13: 83.9 R14: 98.9 R15: 75.4
M/P Well = 0.29739

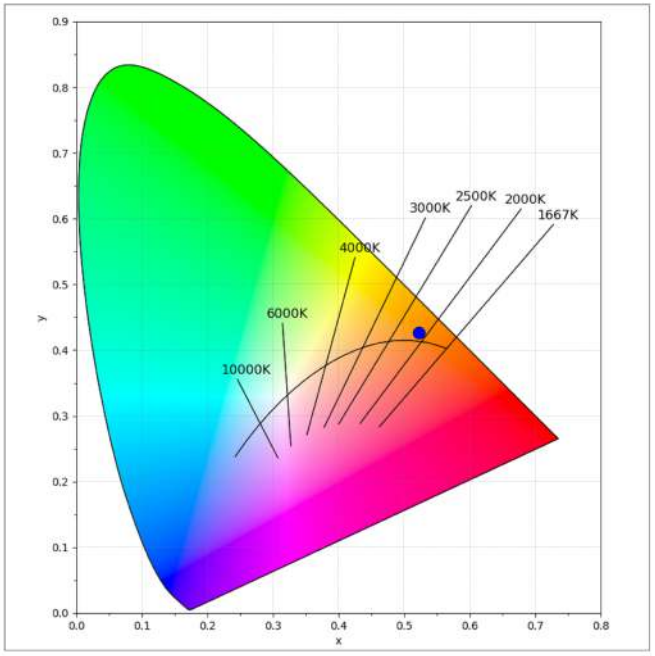
CRI15(Rav) 80.0

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
383.0	0.002365	389.0	0.001912	395.0	0.005250
401.0	0.001316	407.0	0.003757	413.0	0.002072
419.0	0.000268	425.0	0.012230	431.0	0.003108
437.0	0.001797	443.0	0.027770	449.0	0.061351
455.0	0.077703	461.0	0.064730	467.0	0.074324
473.0	0.084459	479.0	0.089865	485.0	0.111486
491.0	0.131081	497.0	0.154730	503.0	0.183784
509.0	0.206757	515.0	0.213514	521.0	0.244595
527.0	0.259459	533.0	0.282432	539.0	0.318243
545.0	0.361486	551.0	0.398649	557.0	0.462838
563.0	0.507432	569.0	0.577027	575.0	0.631757
581.0	0.689189	587.0	0.756757	593.0	0.817568
599.0	0.878378	605.0	0.932432	611.0	0.972973
617.0	0.993243	623.0	0.993243	629.0	0.993243
635.0	0.972973	641.0	0.912162	647.0	0.864865
653.0	0.817568	659.0	0.743243	665.0	0.695946
671.0	0.605405	677.0	0.527027	683.0	0.471622
689.0	0.410135	695.0	0.354054	701.0	0.295270
707.0	0.255405	713.0	0.218243	719.0	0.189865
725.0	0.154054	731.0	0.128378	737.0	0.108108
743.0	0.088514	749.0	0.081757	755.0	0.060068
761.0	0.065811	767.0	0.049730	773.0	0.038243
779.0	0.022095	785.0	0.018919	791.0	0.018919

Spectrum Graph

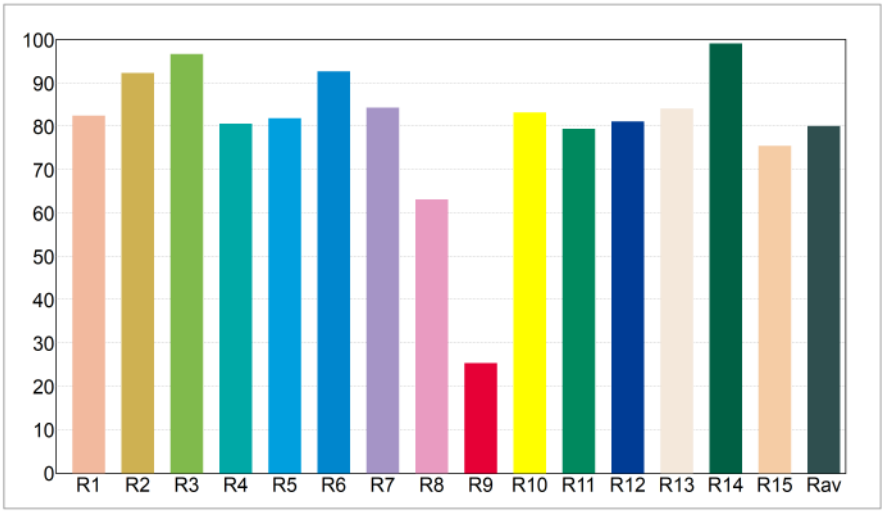


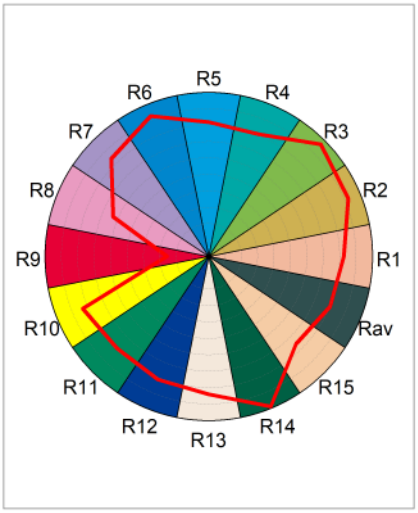


Luminaire
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Luminaire Flux	873.38 lm	Luminaire Power	44.73 W	Efficacy	19.53 lm/W	Efficiency	100.00%
Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical

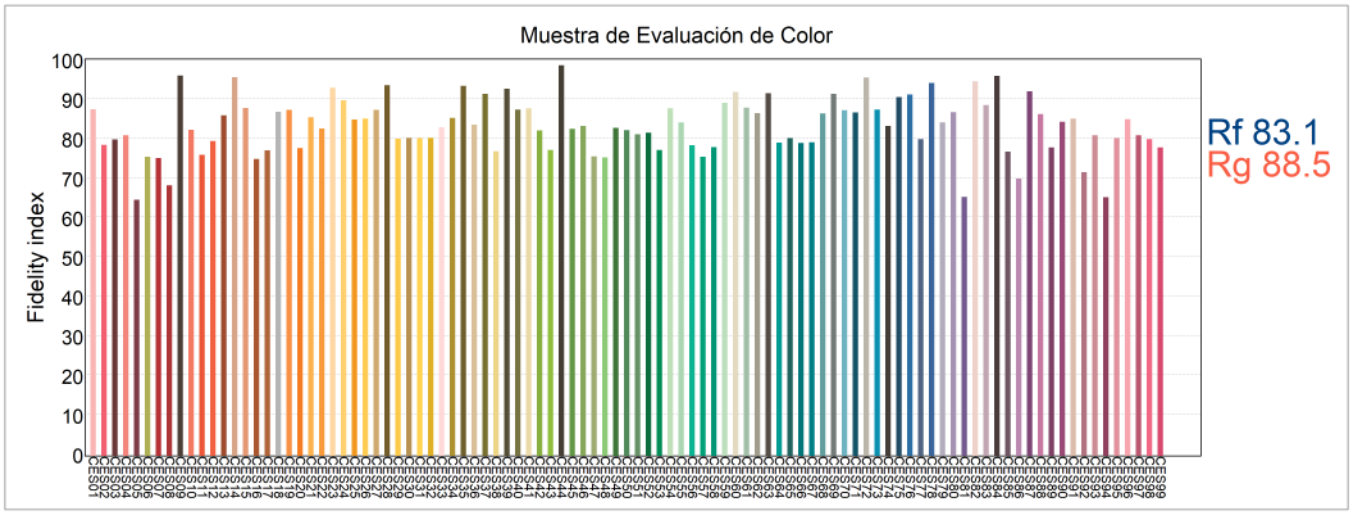
CRI Graphs



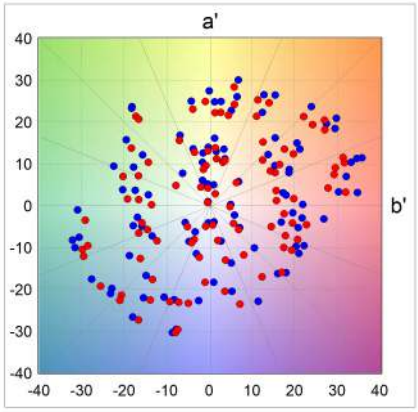


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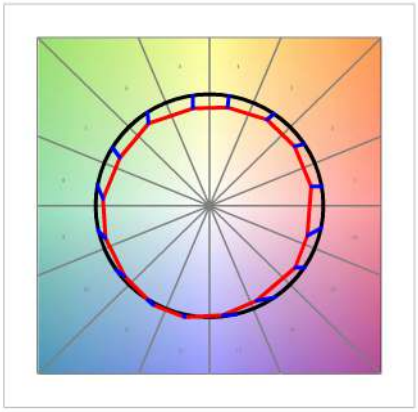
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Sources Flux	873.38 lm	Maximum value	144.83 cd	Position	C=90.00 G=2.50	CG	Double Symmetrical



Chromatic Coordinates (a', b') 99 CES



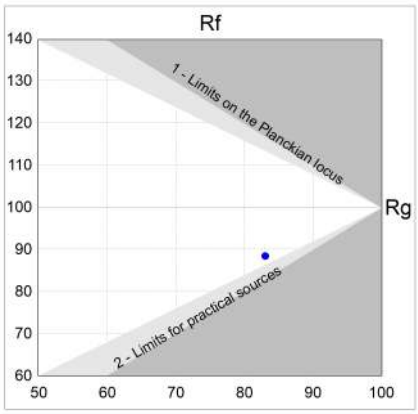
Color Vector Graphic



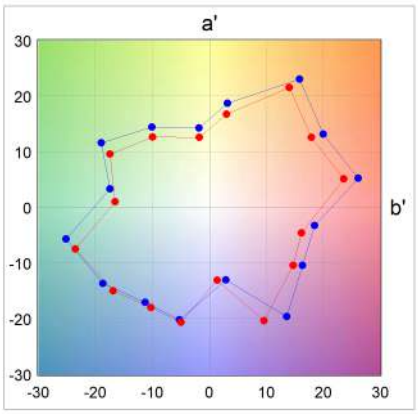
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

