Luminaire

Code	36614106189U
Name	RODA_PF90_10V_BROWN_WHITE_RIBBON
Line	OxyTech

Measurem.

Code	CL092A23F013G
Name	RODA_PF90_10V_BROWN_WHITE_RIBBON

Source Data

Code	RF-xxHI35DS-EF-2N-Y 1030E0 2021-12-15	Correlated Color Temperature (CCT)	2756K	Q.ty	1
Name	REFOND	Color rendering index (CRI)	95		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Asymmetrical
Date	21-07-2023	Maximum Gamma Angle	180°
Measurement Distance	6.44m	Measurement Flux	512.4 lm
Maximum	155.63 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	47.50 W	Power	0.00 W
Frequency	50 Hz	Frequency	50 Hz
Power Factor	1.00	Power Factor	1.00

Environmental Parameters

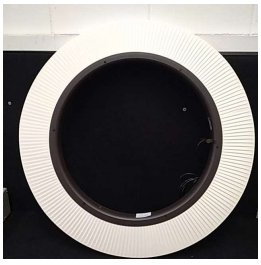
Temperature	24.8 °C	Air Speed	0.0 m/s
Humidity	54.1 %		

Luminaire Dimensions

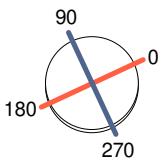
Round Luminaire	Diam.	900 mm	Height	60 mm	
Round Luminous Area	Diam.	900 mm	Height	60 mm	
Horizontal Luminous Area	0.636173 m2		Emitting area on Plane 180°	0.054000 m2	
Emitting area on Plane 0°	0.054000 m2		Emitting area on Plane 270°	0.054000 m2	
Emitting area on Plane 90°	0.054000 m2		Glare area at 76°	0.206300 m2	

Photometric Assessment

Luminaire Flux	512.0 lm	Source Flux	512.0 lm
Efficacy	10.779 lm/W	Efficiency	100.0 %
CIE Flux Codes	42 71 90 50 100	D DIN 5040	C31
F UTE	0.50 G + 0.50 T	B NBN	BZ 5

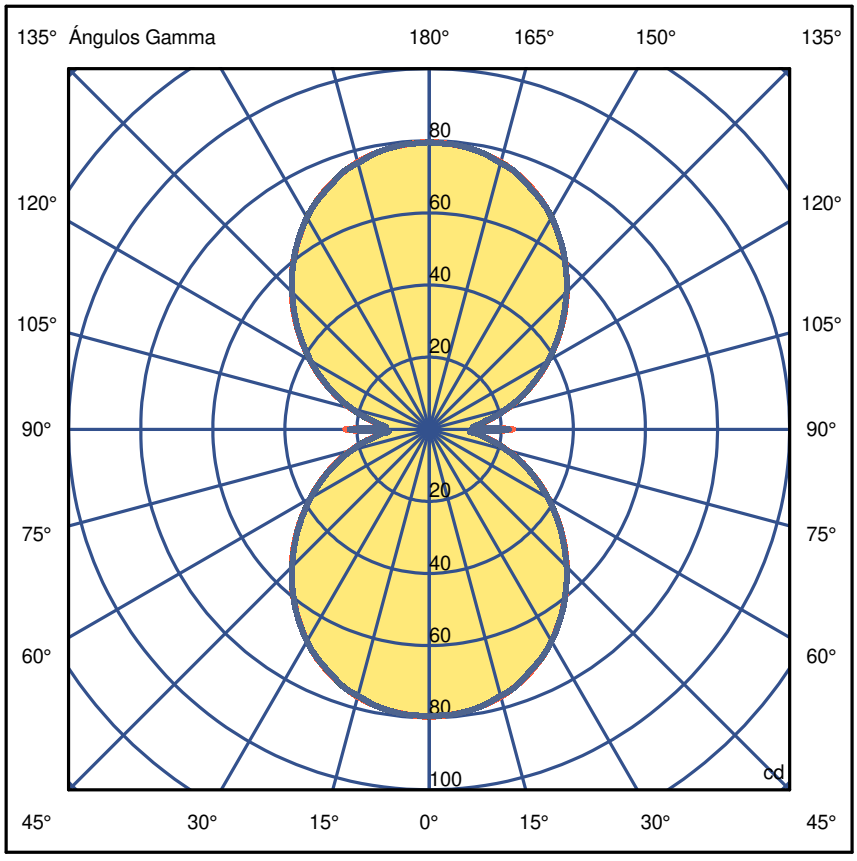


Diam=900mm





ULOR 49.99 %
DLOR 50.01 %
RN 49.99 %



Luminaire
Code 36614106189U
Name RODA_PF90_10V_BROWN_WHITE_RIBBON
Measurem.
Code CL092A23F013G
Name RODA_PF90_10V_BROWN_WHITE_RIBBON

Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Luminous Intensity Table cd **Table 1/2**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00	C 105.00	C 120.00	C 135.00	C 150.00	C 165.00	C 180.00
G 0.0	80	80	80	80	80	80	80	80	80	80	80	80	80
G 2.5	80	80	80	80	80	79	79	79	80	80	80	80	80
G 5.0	79	79	79	79	79	79	79	79	79	79	79	79	79
G 7.5	79	79	79	79	79	79	79	79	79	79	79	79	79
G 10.0	78	78	79	79	78	78	78	78	78	79	79	78	78
G 12.5	78	78	78	78	78	78	77	78	78	78	78	78	78
G 15.0	77	77	77	77	77	77	76	77	77	77	77	77	77
G 17.5	76	76	76	76	76	76	76	76	76	76	76	76	76
G 20.0	74	75	75	75	75	74	74	74	75	75	75	75	74
G 22.5	73	73	73	73	73	73	73	73	73	73	73	73	73
G 25.0	71	72	72	72	72	71	71	71	72	72	72	72	71
G 27.5	70	70	70	70	70	70	70	70	70	70	70	70	70
G 30.0	68	68	68	68	68	68	68	68	68	68	68	68	68
G 32.5	66	66	66	66	66	66	66	66	66	66	66	66	66
G 35.0	64	64	64	64	64	64	64	64	64	64	64	64	64
G 37.5	61	62	62	62	62	61	61	61	62	62	62	62	61
G 40.0	59	59	59	59	59	59	59	59	59	59	59	59	59
G 42.5	56	57	57	57	57	57	56	57	57	57	57	57	56
G 45.0	54	54	54	54	54	54	54	54	54	54	54	54	54
G 47.5	51	52	52	52	52	51	51	51	52	52	52	52	51
G 50.0	49	49	49	49	49	49	49	49	49	49	49	49	49
G 52.5	46	46	46	46	46	46	46	46	46	46	46	46	46
G 55.0	43	44	44	44	43	43	43	43	43	44	44	44	43
G 57.5	41	41	41	41	41	41	41	41	41	41	41	41	41
G 60.0	38	38	38	38	38	38	38	38	38	38	38	38	38
G 62.5	35	36	36	35	35	35	35	35	35	35	36	36	35
G 65.0	33	33	33	33	33	33	33	33	33	33	33	33	33
G 67.5	30	30	30	30	30	30	30	30	30	30	30	30	30
G 70.0	28	28	28	28	28	27	27	27	28	28	28	28	28
G 72.5	25	25	25	25	25	25	25	25	25	25	25	25	25
G 75.0	23	23	23	23	22	22	22	22	22	23	23	23	23
G 77.5	20	20	20	20	20	20	20	20	20	20	20	20	20
G 80.0	18	18	18	18	17	17	17	17	17	18	18	18	18
G 82.5	15	15	15	15	15	15	15	15	15	15	15	15	15
G 85.0	13	13	14	13	13	13	13	13	13	13	14	13	13
G 87.5	13	13	13	13	13	12	12	12	13	13	13	13	13
G 90.0	23	23	24	23	23	22	22	22	23	23	24	23	23
G 92.5	12	12	12	12	12	12	12	12	12	12	12	12	12
G 95.0	13	13	14	13	13	13	13	13	13	13	14	13	13
G 97.5	15	15	15	15	15	15	15	15	15	15	15	15	15
G100.0	18	18	18	18	17	17	17	17	17	18	18	18	18
G102.5	20	20	20	20	20	20	20	20	20	20	20	20	20
G105.0	23	23	23	23	22	22	22	22	22	23	23	23	23
G107.5	25	25	25	25	25	25	25	25	25	25	25	25	25
G110.0	28	28	28	28	28	27	27	27	28	28	28	28	28
G112.5	30	30	30	30	30	30	30	30	30	30	30	30	30
G115.0	33	33	33	33	33	33	33	33	33	33	33	33	33
G117.5	35	36	36	35	35	35	35	35	35	35	36	36	35
G120.0	38	38	38	38	38	38	38	38	38	38	38	38	38
G122.5	41	41	41	41	41	41	41	41	41	41	41	41	41
G125.0	43	44	44	44	43	43	43	43	43	44	44	44	43
G127.5	46	46	46	46	46	46	46	46	46	46	46	46	46
G130.0	49	49	49	49	49	49	49	49	49	49	49	49	49
G132.5	51	52	52	52	52	51	51	51	52	52	52	52	51
G135.0	54	54	54	54	54	54	54	54	54	54	54	54	54
G137.5	56	57	57	57	57	57	56	57	57	57	57	57	56
G140.0	59	59	59	59	59	59	59	59	59	59	59	59	59
G142.5	61	62	62	62	62	61	61	61	62	62	62	62	61
G145.0	64	64	64	64	64	64	64	64	64	64	64	64	64
G147.5	66	66	66	66	66	66	66	66	66	66	66	66	66
G150.0	68	68	68	68	68	68	68	68	68	68	68	68	68
G152.5	70	70	70	70	70	70	70	70	70	70	70	70	70
G155.0	71	72	72	72	72	71	71	71	72	72	72	72	71
G157.5	73	73	73	73	73	73	73	73	73	73	73	73	73
G160.0	74	75	75	75	75	74	74	74	75	75	75	75	74
G162.5	76	76	76	76	76	76	76	76	76	76	76	76	76
G165.0	77	77	77	77	77	77	76	77	77	77	77	77	77
G167.5	78	78	78	78	78	78	77	78	78	78	78	78	78
G170.0	78	78	79	79	78	78	78	78	78	79	79	78	78
G172.5	79	79	79	79	79	79	79	79	79	79	79	79	79
G175.0	79	79	79	79	79	79	79	79	79	79	79	79	79
G177.5	80	80	80	80	80	79	79	79	80	80	80	80	80
G180.0	80	80	80	80	80	80	80	80	80	80	80	80	80

Luminaire
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Name RODA_PF90_10V_BROWN_WHITE_RIBBON

Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%			
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical			

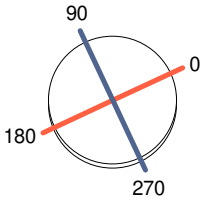
Luminous Intensity Table cd **Table 2/2**

	C 195.00	C 210.00	C 225.00	C 240.00	C 255.00	C 270.00	C 285.00	C 300.00	C 315.00	C 330.00	C 345.00
G 0.0	80	80	80	80	80	80	80	80	80	80	80
G 2.5	80	80	80	80	79	79	79	80	80	80	80
G 5.0	79	79	79	79	79	79	79	79	79	79	79
G 7.5	79	79	79	79	79	79	79	79	79	79	79
G 10.0	78	79	79	78	78	78	78	78	79	79	78
G 12.5	78	78	78	78	78	77	78	78	78	78	78
G 15.0	77	77	77	77	77	76	77	77	77	77	77
G 17.5	76	76	76	76	76	76	76	76	76	76	76
G 20.0	75	75	75	75	74	74	74	75	75	75	75
G 22.5	73	73	73	73	73	73	73	73	73	73	73
G 25.0	72	72	72	72	71	71	71	72	72	72	72
G 27.5	70	70	70	70	70	70	70	70	70	70	70
G 30.0	68	68	68	68	68	68	68	68	68	68	68
G 32.5	66	66	66	66	66	66	66	66	66	66	66
G 35.0	64	64	64	64	64	64	64	64	64	64	64
G 37.5	62	62	62	62	61	61	61	62	62	62	62
G 40.0	59	59	59	59	59	59	59	59	59	59	59
G 42.5	57	57	57	57	57	56	57	57	57	57	57
G 45.0	54	54	54	54	54	54	54	54	54	54	54
G 47.5	52	52	52	52	51	51	51	52	52	52	52
G 50.0	49	49	49	49	49	49	49	49	49	49	49
G 52.5	46	46	46	46	46	46	46	46	46	46	46
G 55.0	44	44	44	43	43	43	43	43	44	44	44
G 57.5	41	41	41	41	41	41	41	41	41	41	41
G 60.0	38	38	38	38	38	38	38	38	38	38	38
G 62.5	36	36	35	35	35	35	35	35	35	36	36
G 65.0	33	33	33	33	33	33	33	33	33	33	33
G 67.5	30	30	30	30	30	30	30	30	30	30	30
G 70.0	28	28	28	28	27	27	27	28	28	28	28
G 72.5	25	25	25	25	25	25	25	25	25	25	25
G 75.0	23	23	23	22	22	22	22	22	23	23	23
G 77.5	20	20	20	20	20	20	20	20	20	20	20
G 80.0	18	18	18	17	17	17	17	17	18	18	18
G 82.5	15	15	15	15	15	15	15	15	15	15	15
G 85.0	13	14	13	13	13	13	13	13	13	14	13
G 87.5	13	13	13	13	12	12	12	13	13	13	13
G 90.0	23	24	23	23	22	22	22	23	23	24	23
G 92.5	12	12	12	12	12	12	12	12	12	12	12
G 95.0	13	14	13	13	13	13	13	13	13	14	13
G 97.5	15	15	15	15	15	15	15	15	15	15	15
G100.0	18	18	18	17	17	17	17	17	18	18	18
G102.5	20	20	20	20	20	20	20	20	20	20	20
G105.0	23	23	23	22	22	22	22	22	23	23	23
G107.5	25	25	25	25	25	25	25	25	25	25	25
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G112.5	30	30	30	30	30	30	30	30	30	30	30
G115.0	33	33	33	33	33	33	33	33	33	33	33
G117.5	36	36	35	35	35	35	35	35	35	36	36
G120.0	38	38	38	38	38	38	38	38	38	38	38
G122.5	41	41	41	41	41	41	41	41	41	41	41
G125.0	44	44	44	43	43	43	43	43	44	44	44
G127.5	46	46	46	46	46	46	46	46	46	46	46
G130.0	49	49	49	49	49	49	49	49	49	49	49
G132.5	52	52	52	52	51	51	51	52	52	52	52
G135.0	54	54	54	54	54	54	54	54	54	54	54
G137.5	57	57	57	57	57	56	57	57	57	57	57
G140.0	59	59	59	59	59	59	59	59	59	59	59
G142.5	62	62	62	62	61	61	61	62	62	62	62
G145.0	64	64	64	64	64	64	64	64	64	64	64
G147.5	66	66	66	66	66	66	66	66	66	66	66
G150.0	68	68	68	68	68	68	68	68	68	68	68
G152.5	70	70	70	70	70	70	70	70	70	70	70
G155.0	72	72	72	72	71	71	71	72	72	72	72
G157.5	73	73	73	73	73	73	73	73	73	73	73
G160.0	75	75	75	75	74	74	74	75	75	75	75
G162.5	76	76	76	76	76	76	76	76	76	76	76
G165.0	77	77	77	77	77	76	77	77	77	77	77
G167.5	78	78	78	78	78	77	78	78	78	78	78
G170.0	78	79	79	78	78	78	78	78	79	79	78
G172.5	79	79	79	79	79	79	79	79	79	79	79
G175.0	79	79	79	79	79	79	79	79	79	79	79
G177.5	80	80	80	80	79	79	79	80	80	80	80
G180.0	80	80	80	80	80	80	80	80	80	80	80

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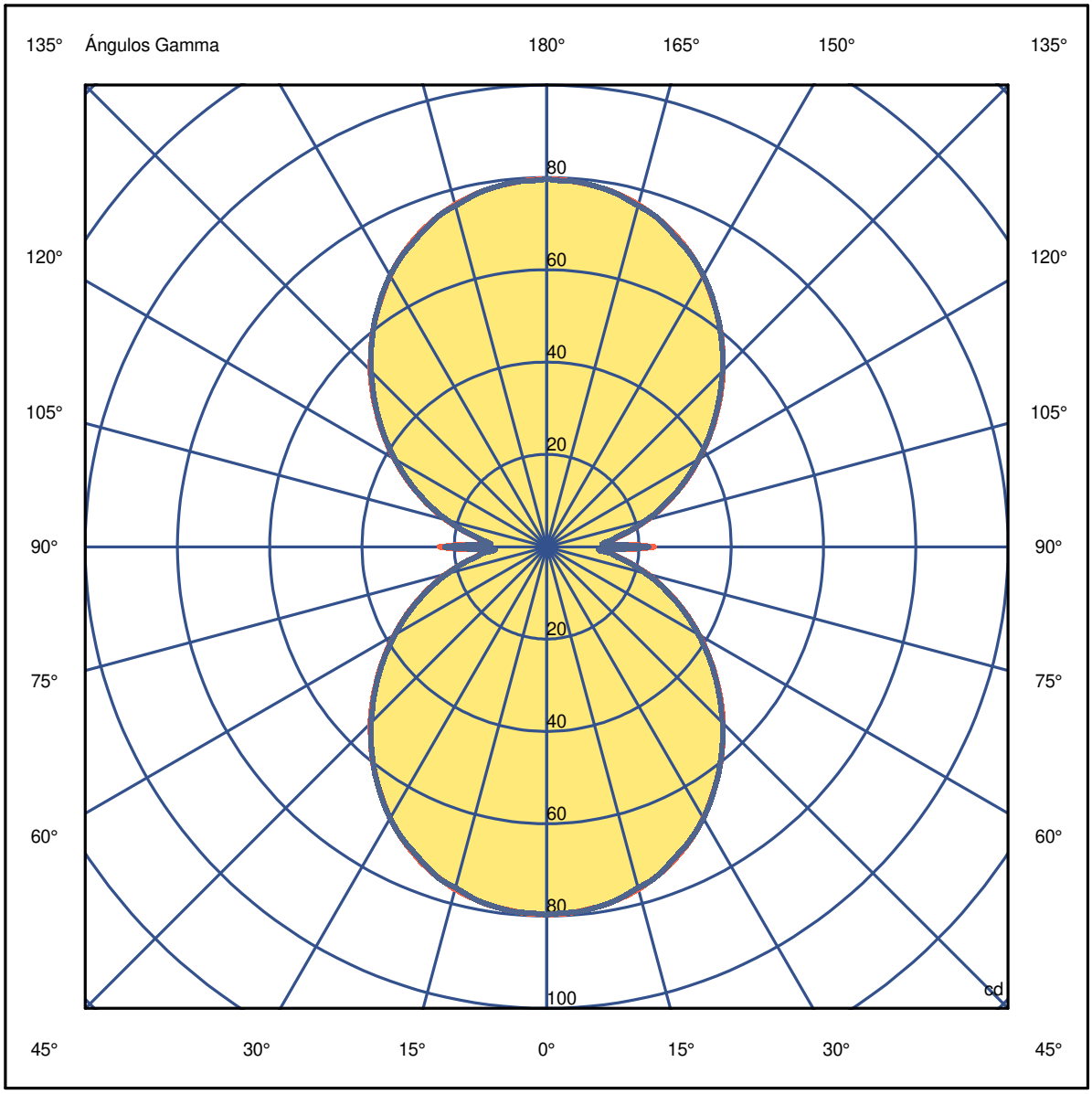
Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Diam=900mm



Semiplanos C

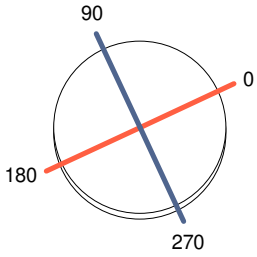




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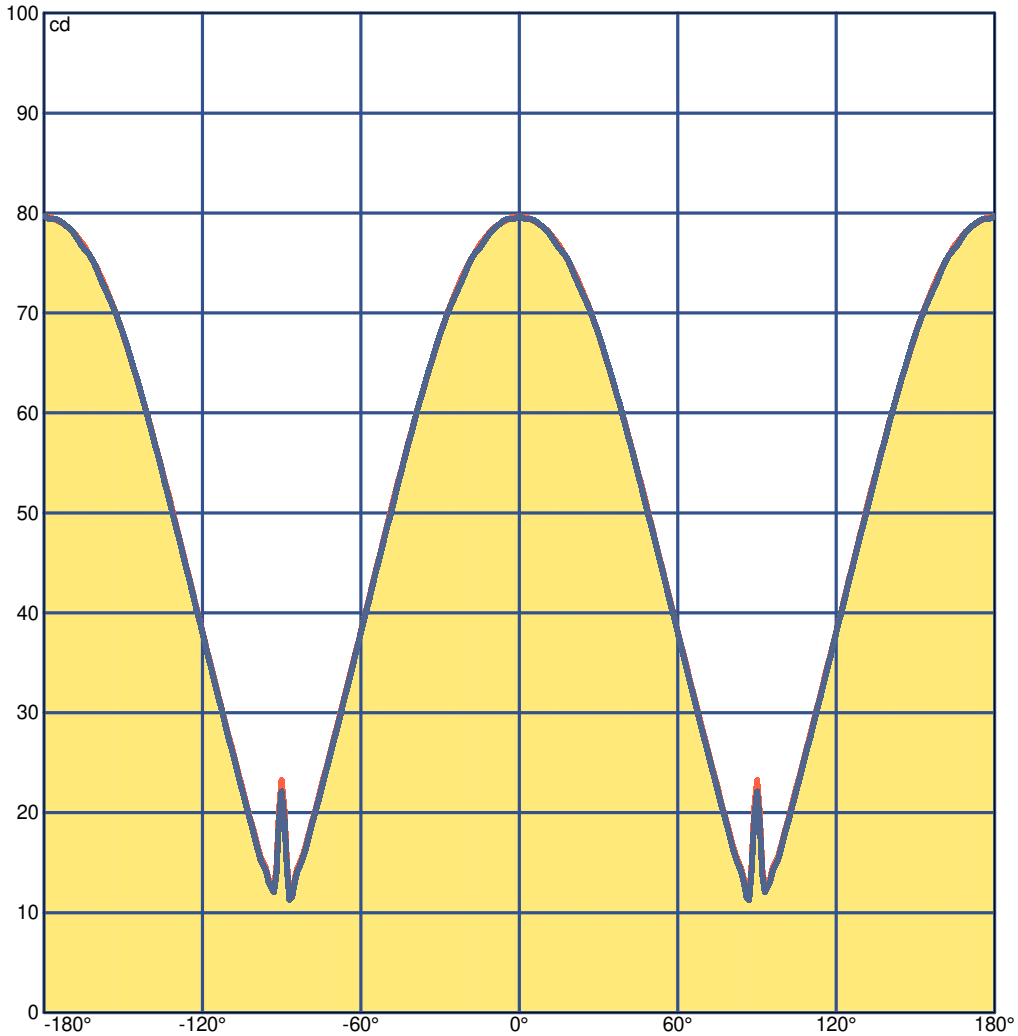
Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Diam=900mm



Semiplanos C

180.0 0.0
270.0 90.0



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Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

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	1.3	2.2	2.2	3.1	4.2	1.3	2.1	2.2	3.0	4.2
x=2H y=3H	3.1	3.8	4.0	4.7	5.9	3.0	3.8	4.0	4.7	5.9
x=2H y=4H	3.9	4.6	4.8	5.5	6.7	3.9	4.6	4.8	5.5	6.7
x=2H y=6H	4.7	5.3	5.6	6.3	7.5	4.6	5.3	5.6	6.2	7.4
x=2H y=8H	5.0	5.6	6.0	6.6	7.8	5.0	5.6	5.9	6.5	7.7
x=2H y=12H	5.4	6.0	6.3	6.9	8.2	5.3	5.9	6.3	6.8	8.1
x=4H y=2H	1.9	2.6	2.8	3.5	4.7	1.9	2.6	2.8	3.5	4.7
x=4H y=3H	3.9	4.5	4.8	5.4	6.6	3.8	4.4	4.8	5.4	6.6
x=4H y=4H	4.8	5.4	5.8	6.3	7.6	4.8	5.3	5.8	6.3	7.5
x=4H y=6H	5.8	6.2	6.8	7.2	8.5	5.7	6.2	6.7	7.1	8.4
x=4H y=8H	6.2	6.6	7.2	7.6	8.9	6.1	6.5	7.1	7.5	8.8
x=4H y=12H	6.6	7.0	7.6	8.0	9.3	6.6	6.9	7.6	7.9	9.3
x=8H y=4H	5.2	5.6	6.2	6.6	7.9	5.1	5.6	6.1	6.6	7.9
x=8H y=6H	6.3	6.6	7.3	7.7	9.0	6.2	6.6	7.3	7.6	8.9
x=8H y=8H	6.9	7.2	7.9	8.2	9.5	6.8	7.1	7.8	8.1	9.5
x=8H y=12H	7.5	7.7	8.5	8.8	10.1	7.4	7.7	8.4	8.7	10.0
x=12H y=4H	5.2	5.6	6.2	6.6	7.9	5.2	5.5	6.2	6.5	7.9
x=12H y=6H	6.4	6.7	7.4	7.7	9.1	6.4	6.6	7.4	7.7	9.0
x=12H y=8H	7.0	7.3	8.1	8.3	9.7	7.0	7.2	8.0	8.3	9.6

Luminaire
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Name RODA_PF90_10V_BROWN_WHITE_RIBBON

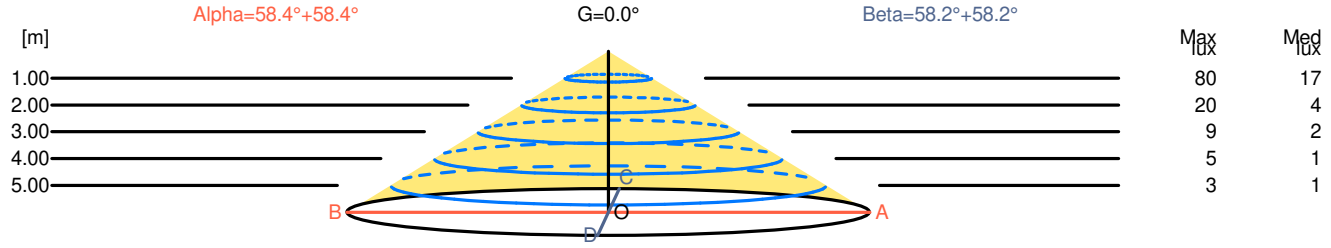
Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

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	1.62	3.25	4.87	6.50	8.12	OC	1.62	3.23	4.85	6.46	8.08
OB	1.62	3.25	4.87	6.50	8.12	OD	1.62	3.23	4.85	6.46	8.08

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	79.68	79.26	76.76	71.46	63.55	54.00	43.50	32.84	22.56	13.43
OB	79.68	79.26	76.76	71.46	63.55	54.00	43.50	32.84	22.56	13.43
OC	79.68	79.34	76.47	71.32	63.58	53.84	43.33	32.64	22.25	13.11
OD	79.68	79.34	76.47	71.32	63.58	53.84	43.33	32.64	22.25	13.11



H[m]	D[m]	Max lux	Med lux	Alpha=58.4°+58.4° G=0.0
1.00	3.25	80	17	
2.00	6.50	20	4	
3.00	9.75	9	2	
4.00	13.00	5	1	
5.00	16.24	3	1	

H[m]	D[m]	Max lux	Med lux	Beta=58.2°+58.2° G=0.0
1.00	3.23	80	17	
2.00	6.46	20	4	
3.00	9.69	9	2	
4.00	12.92	5	1	
5.00	16.15	3	1	

Luminaire
Code 36614106189U
Name RODA_PF90_10V_BROWN_WHITE_RIBBON
Measurem.
Code CL092A23F013G
Name RODA_PF90_10V_BROWN_WHITE_RIBBON

Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Flujo Total=512.00 Flujo Luminaria=512.00

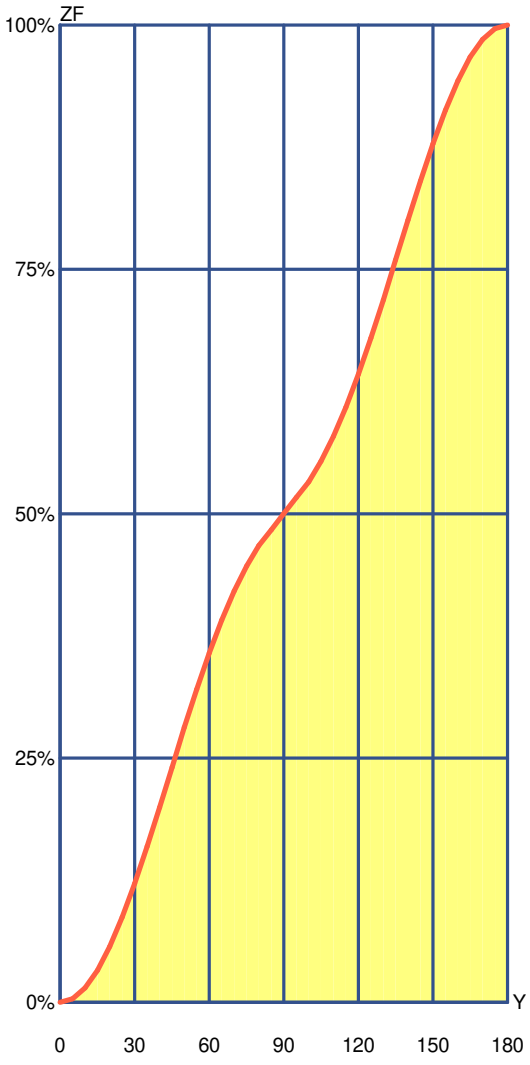
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.27	0.35	0.42	0.49	0.54	0.62	0.68	0.72	0.78	0.81	0.89	0.94
RC	6	6	6	6	6	6	6	6	6	6	7	7

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)	15	57	122	200	281	357	421	467	500	533	579	643	719	800	878	943	985	1000

Códigos de Flujo C.I.E.
42 71 90 50 100

C.I.E.	6/6/6/6/6/6/6/6/6/7/7	LOR	100.00000 %
D DIN 5040	C31	ULOR	49.98544 %
F UTE	0.50 G + 0.50 T	DLOR	50.01456 %
B NBN	BZ 5	UFF	49.98544 %
RN	49.98544 %	DFF	50.01456 %
BLF	1.0	FFR	99.94178 %



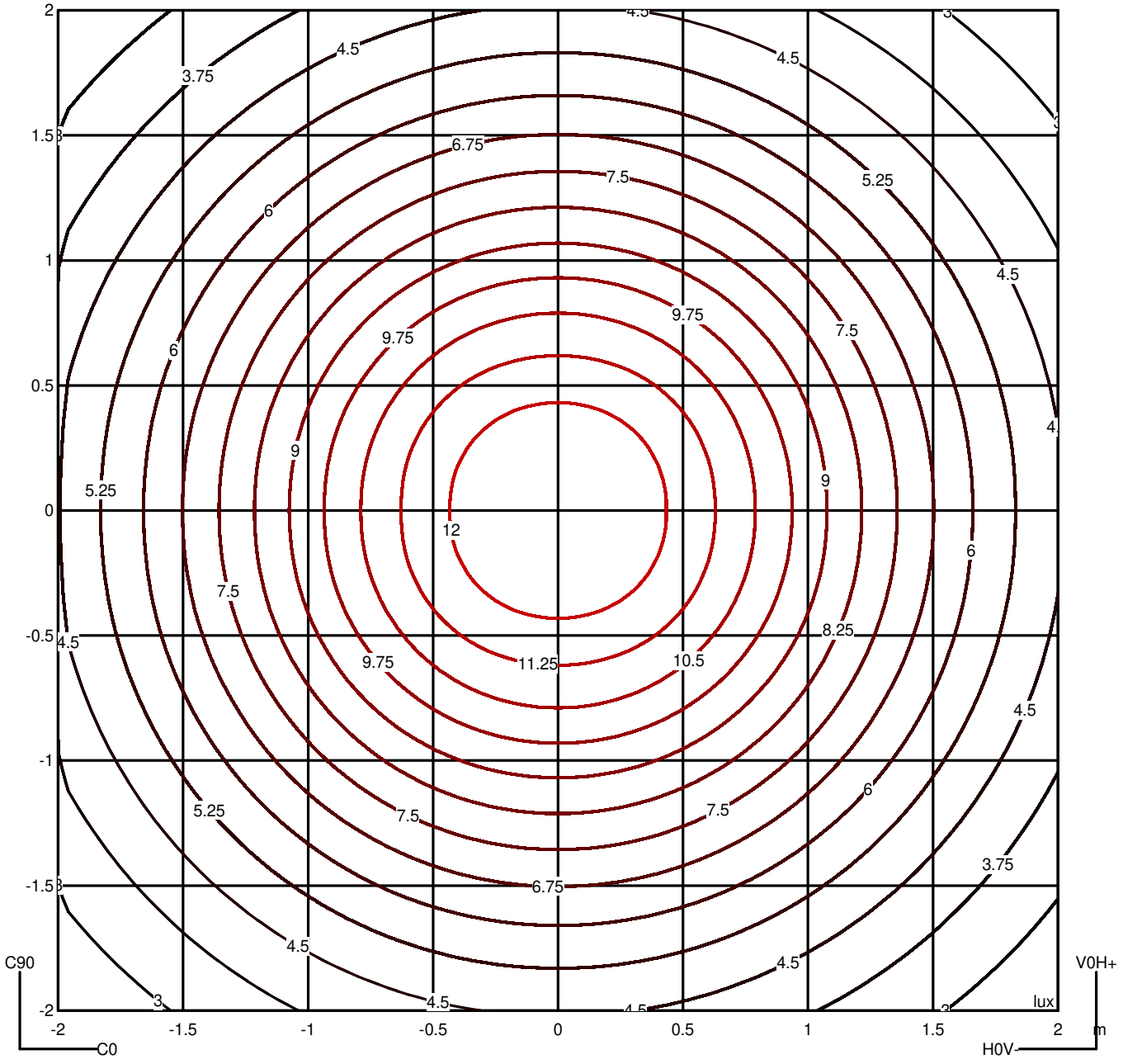
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	3.71	3.71	0.37 %	0.37 %
10°	11.02	14.73	1.10 %	1.47 %
15°	17.99	32.72	1.80 %	3.27 %
20°	24.38	57.10	2.44 %	5.71 %
25°	29.93	87.03	2.99 %	8.70 %
30°	34.51	121.54	3.45 %	12.15 %
35°	37.91	159.45	3.79 %	15.94 %
40°	40.08	199.53	4.01 %	19.95 %
45°	40.99	240.52	4.10 %	24.05 %
50°	40.69	281.22	4.07 %	28.12 %
55°	39.26	320.47	3.93 %	32.05 %
60°	36.85	357.32	3.68 %	35.73 %
65°	33.66	390.98	3.37 %	39.10 %
70°	29.89	420.87	2.99 %	42.09 %
75°	25.60	446.47	2.56 %	44.65 %
80°	20.88	467.35	2.09 %	46.73 %
85°	16.27	483.62	1.63 %	48.36 %
90°	16.53	500.15	1.65 %	50.01 %
95°	16.24	516.38	1.62 %	51.64 %
100°	16.27	532.65	1.63 %	53.27 %
105°	20.88	553.53	2.09 %	55.35 %
110°	25.60	579.13	2.56 %	57.91 %
115°	29.89	609.02	2.99 %	60.90 %
120°	33.66	642.68	3.37 %	64.27 %
125°	36.85	679.53	3.68 %	67.95 %
130°	39.26	718.78	3.93 %	71.88 %
135°	40.69	759.48	4.07 %	75.95 %
140°	40.99	800.47	4.10 %	80.05 %
145°	40.08	840.55	4.01 %	84.06 %
150°	37.91	878.46	3.79 %	87.85 %
155°	34.51	912.97	3.45 %	91.30 %
160°	29.93	942.90	2.99 %	94.29 %
165°	24.38	967.28	2.44 %	96.73 %
170°	17.99	985.27	1.80 %	98.53 %
175°	11.02	996.29	1.10 %	99.63 %
180°	3.71	1000.00	0.37 %	100.00 %

Luminaire
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Luminaire Flux	512 lm	Luminaire Power	47.5 W	Efficacy	10.779 lm/W	Efficiency	100.00%
Source Flux	512 lm	Maximum value	79.68 cd	Position	C=0.00 G=0.00	CG	Asymmetrical

Isolux (Floor)

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



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Spectral Data

Std.: No import standard

CIE1931	x =0.456868	y =0.412295
CIE1960	u =0.259813	v =0.351697
CIE1976	u'=0.259813	v'=0.527546
D(u,v)	0.00089	

Color rendering index (CRI)
Color Rendering Components

CCT = [2756 K]*

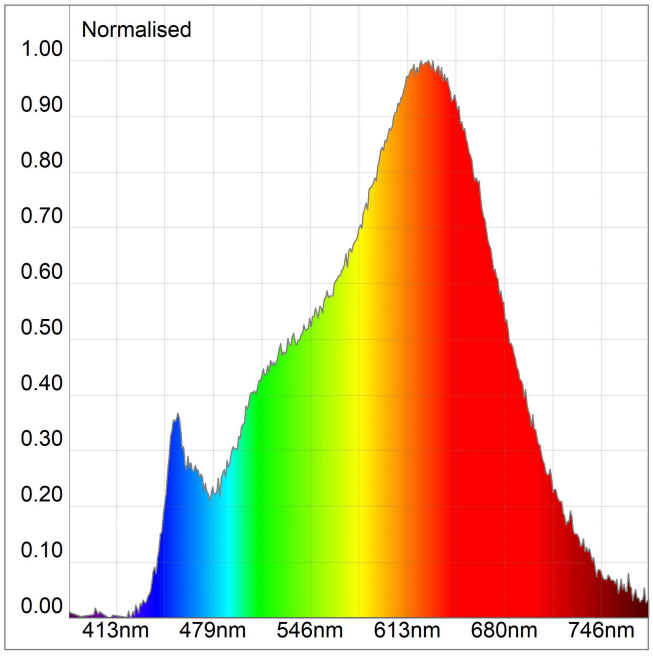
CRI8(Ra) [96.0]* CRI15(Rav) [94.5]*

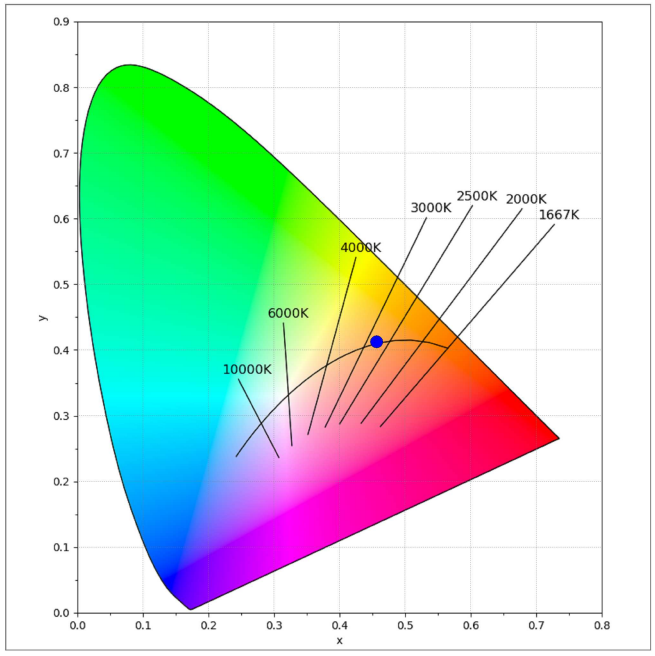
R 1: 98.1	R 2: 99.6	R 3: 98.3	R 4: 97.7	R 5: 98.1
R 6: 96.0	R 7: 93.1	R 8: 87.2	R 9: 73.1	R10: 99.3
R11: 97.8	R12: 86.7	R13: 99.2	R14: 99.3	R15: 93.4

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.009574	386.0	0.003830	392.0	0.003495
398.0	0.017599	404.0	0.005295	410.0	0.004377
416.0	0.002045	422.0	0.001061	428.0	0.008541
434.0	0.035258	440.0	0.079027	446.0	0.206383
452.0	0.355623	458.0	0.303951	464.0	0.278419
470.0	0.251064	476.0	0.222492	482.0	0.228571
488.0	0.253191	494.0	0.303951	500.0	0.346505
506.0	0.404255	512.0	0.425532	518.0	0.440729
524.0	0.468085	530.0	0.477204	536.0	0.495441
542.0	0.525836	548.0	0.541033	554.0	0.556231
560.0	0.577508	566.0	0.613982	572.0	0.629179
578.0	0.677812	584.0	0.735562	590.0	0.781155
596.0	0.844985	602.0	0.875380	608.0	0.920973
614.0	0.969605	620.0	0.987842	626.0	0.996960
632.0	0.981763	638.0	0.963526	644.0	0.927052
650.0	0.887538	656.0	0.835866	662.0	0.781155
668.0	0.696049	674.0	0.626140	680.0	0.565350
686.0	0.486322	692.0	0.425532	698.0	0.364742
704.0	0.310030	710.0	0.256535	716.0	0.229483
722.0	0.182675	728.0	0.155015	734.0	0.131611
740.0	0.113982	746.0	0.086322	752.0	0.076596
758.0	0.068693	764.0	0.047416	770.0	0.042553
776.0	0.032827				

Spectrum Graph

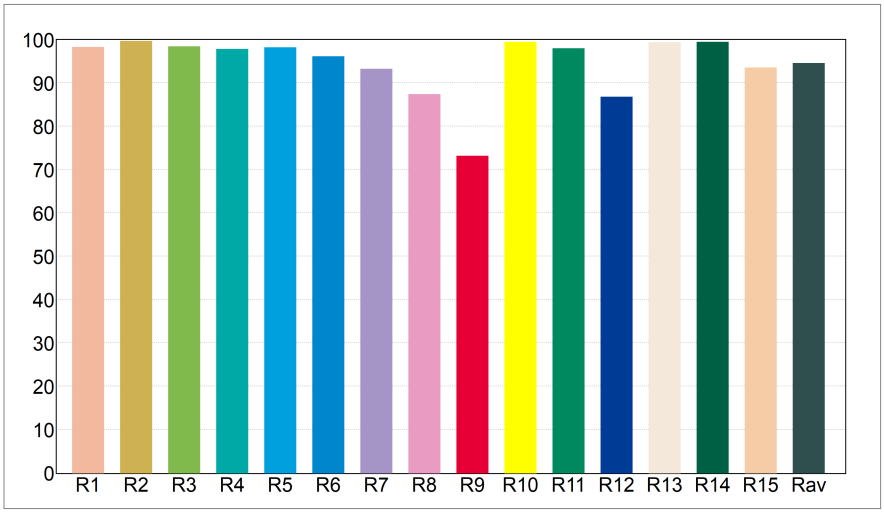


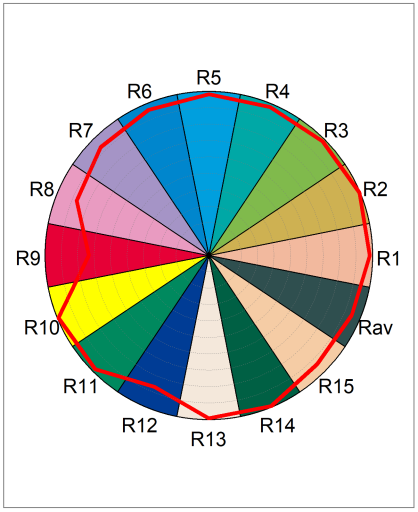


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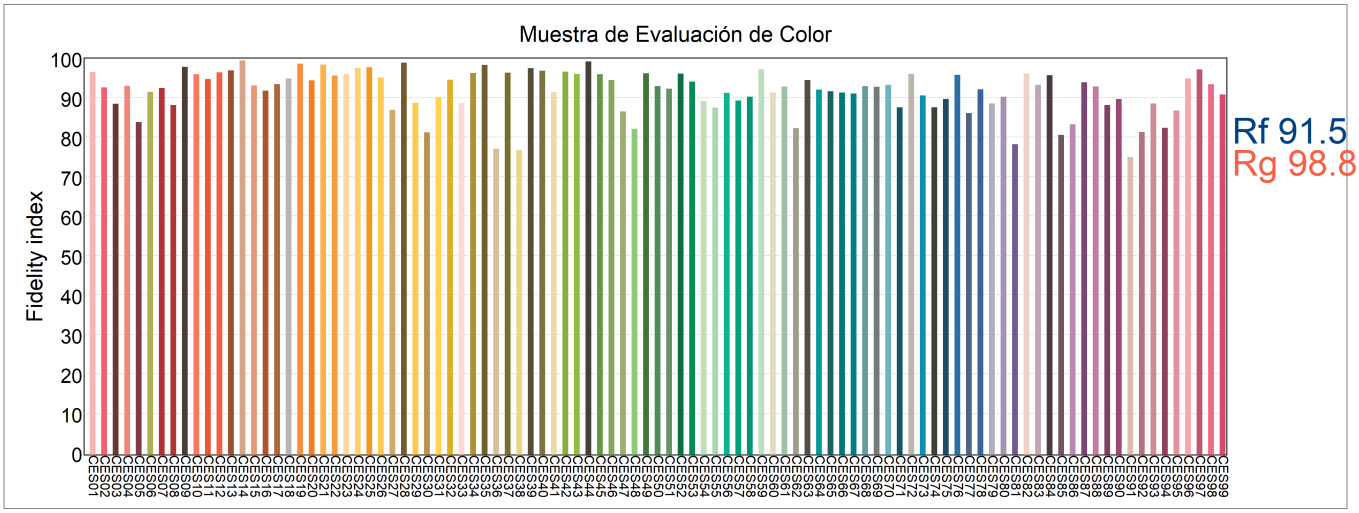
CRI Graphs



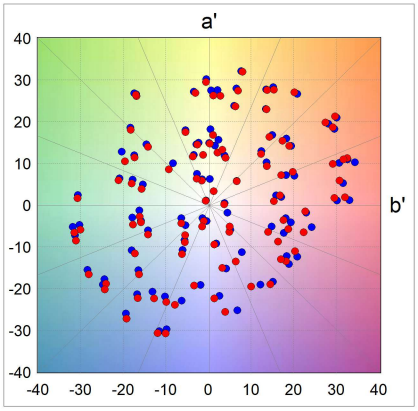


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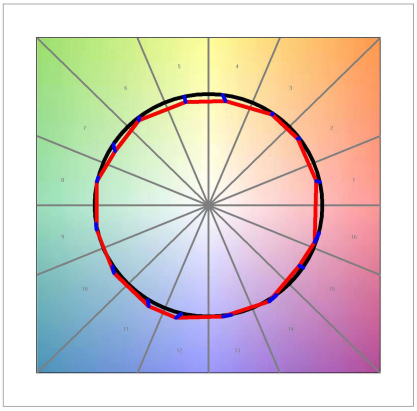
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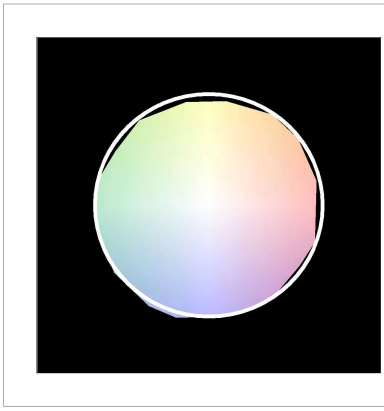
Chromatic Coordinates (a', b') 99 CES



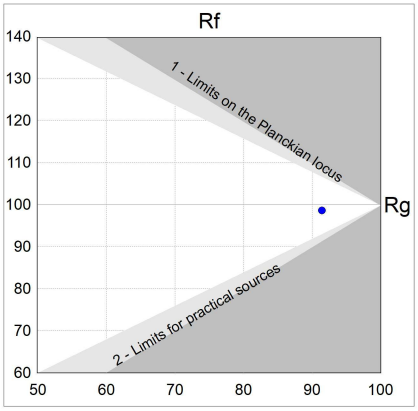
Color Vector Graphic



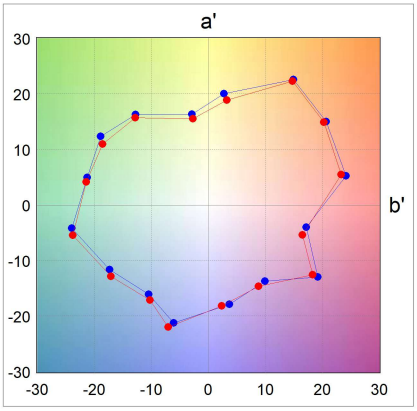
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

