Luminaire
Code 13201215322
Name ALUET S/100 DIRECT AND INDIRECT LIGHTING
Measurem.
Code CL092A23D011GP
Name ALUET S/100 DIRECT AND INDIRECT LIGHTING

Luminaire Flux	1551.33 lm	Luminaire Power	36.50 W	Efficacy	42.50 lm/W	Efficiency	100.00%
Sources Flux	1551.33 lm	Maximum value	1723.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Rectangular Luminaire	Length	1000 mm	Width	200 mm	Height	110 mm
Rectangular Luminous Area	Length	920 mm	Width	60 mm	Height	80 mm

Horizontal Luminous Area	0.055200 m2	Emitting area on Plane 180°	0.073600 m2
Emitting area on Plane 0°	0.073600 m2	Emitting area on Plane 270°	0.004800 m2
Emitting area on Plane 90°	0.004800 m2	Glare area at 76°	0.084768 m2

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	06-06-2023	Maximum Gamma Angle	180
Measurement Distance	6.44	Measurement Flux	1551.33 lm

Operator	Asselum T2	Rated Voltage	
Temperature	23.90 °C	Rated Current	
Humidity	56.50 %	Photocell	Czibula Grundmann
Notes	RM23053111		

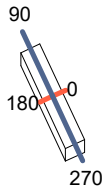
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	LED	SIGNCOMPLEX CREE	1551.33	36.50	1

C.I.E.	80 93 98 99 100	D DIN 5040	A61
F UTE	0.99 B + 0.01 T	B NBN	BZ 1

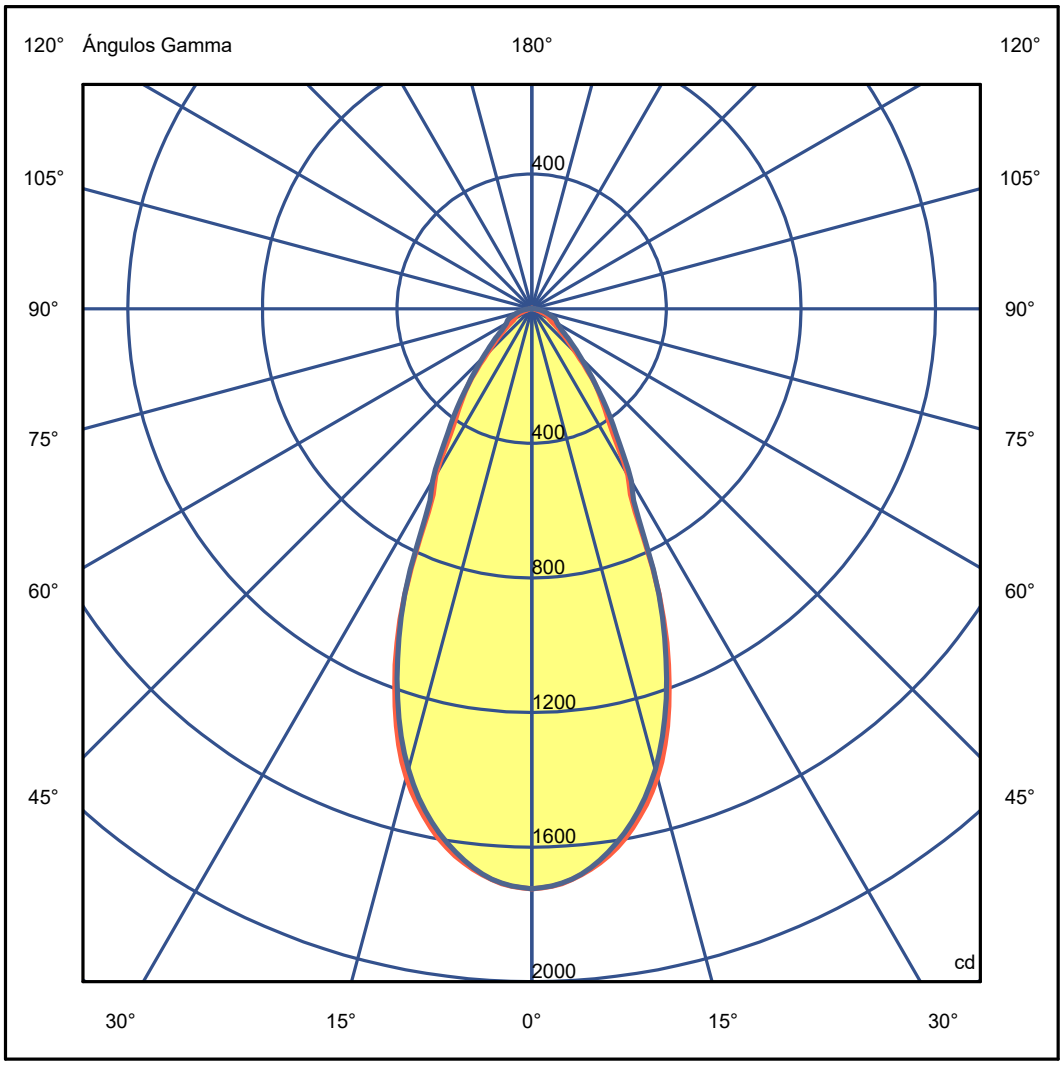


1000mm x 200mm



Semiplanos C
180.0 — 0.0
270.0 — 90.0

ULOR 0.87 %
DLOR 99.13 %
RN 0.87 %



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Luminaire Flux	1551.33 lm	Luminaire Power	36.50 W	Efficacy	42.50 lm/W	Efficiency	100.00%
Sources Flux	1551.33 lm	Maximum value	1723.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

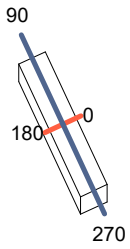
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	1723.46	1723.46	1723.46	1723.46	1723.46	1723.46	1723.46
G 2.5	1714.33	1714.14	1714.23	1715.06	1713.75	1714.08	1712.99
G 5.0	1687.85	1688.48	1687.52	1689.51	1686.30	1686.72	1686.45
G 7.5	1650.79	1650.23	1648.64	1647.36	1643.31	1642.49	1641.26
G 10.0	1597.42	1596.96	1593.17	1590.61	1586.14	1584.73	1582.34
G 12.5	1527.66	1527.05	1521.99	1518.28	1511.42	1510.01	1508.41
G 15.0	1441.78	1437.74	1433.28	1425.75	1422.04	1415.71	1416.74
G 17.5	1329.65	1324.68	1320.06	1313.22	1309.80	1301.32	1304.21
G 20.0	1191.81	1197.45	1185.20	1193.05	1173.67	1184.62	1170.12
G 22.5	1037.73	1026.26	1038.89	1013.59	1023.97	1003.22	1024.68
G 25.0	847.54	848.80	850.00	851.11	844.18	851.24	855.43
G 27.5	646.66	679.27	647.63	693.17	672.05	709.07	667.13
G 30.0	570.81	542.67	562.67	549.85	577.87	558.71	590.72
G 32.5	461.79	468.47	462.55	487.39	484.87	506.68	495.40
G 35.0	391.92	396.66	395.21	408.56	410.21	425.35	421.00
G 37.5	339.41	341.18	341.03	344.03	347.71	355.90	355.60
G 40.0	293.67	288.10	285.10	286.05	285.28	296.60	296.24
G 42.5	236.35	237.16	227.87	233.02	232.77	248.89	246.67
G 45.0	188.52	189.74	183.90	189.15	190.39	205.21	206.70
G 47.5	153.73	154.78	150.09	153.32	156.17	171.82	174.18
G 50.0	125.14	126.58	123.83	126.51	127.75	143.88	147.67
G 52.5	102.30	103.98	102.72	105.37	104.24	121.41	125.04
G 55.0	84.64	85.93	86.28	89.60	86.80	103.13	108.47
G 57.5	69.90	72.53	75.03	78.93	75.55	89.92	96.18
G 60.0	60.76	62.99	67.17	72.09	70.06	80.57	88.38
G 62.5	55.89	56.53	59.62	67.37	66.73	73.61	83.21
G 65.0	52.90	50.95	53.56	61.40	64.67	67.11	78.57
G 67.5	47.05	44.11	48.55	54.97	61.36	58.56	72.12
G 70.0	36.21	36.53	40.19	44.75	54.07	50.77	60.63
G 72.5	25.51	27.93	27.98	34.50	42.81	43.20	51.19
G 75.0	19.26	20.67	20.22	26.36	33.77	37.02	44.80
G 77.5	15.37	16.11	16.83	20.15	26.02	32.78	38.18
G 80.0	12.11	12.77	13.86	16.63	19.48	27.81	31.60
G 82.5	8.80	9.52	10.63	13.52	16.29	22.72	24.90
G 85.0	5.51	6.32	7.29	10.35	13.27	17.85	17.98
G 87.5	2.85	3.85	4.32	7.56	9.98	13.69	10.72
G 90.0	1.46	2.04	2.65	5.47	7.63	11.48	3.41
G 92.5	0.64	1.34	1.83	4.43	6.65	9.57	2.21
G 95.0	0.60	1.01	1.72	3.93	6.14	8.29	3.09
G 97.5	0.62	0.97	1.65	3.61	5.74	7.28	3.45
G100.0	0.62	0.94	1.55	3.29	5.40	6.40	3.41
G102.5	0.64	0.92	1.47	2.95	5.08	5.67	3.19
G105.0	0.65	0.89	1.40	2.59	4.76	5.07	2.84
G107.5	0.67	0.88	1.33	2.18	4.40	4.60	2.50
G110.0	0.69	0.87	1.27	1.83	4.00	4.09	2.05
G112.5	0.74	0.87	1.20	1.54	3.62	3.54	1.40
G115.0	0.76	0.88	1.16	1.33	3.21	3.01	1.26
G117.5	0.80	0.90	1.12	1.21	2.80	2.60	1.19
G120.0	0.86	0.94	1.09	1.17	2.39	2.26	1.15
G122.5	0.92	0.97	1.10	1.17	1.98	1.94	1.15
G125.0	0.98	1.01	1.10	1.18	1.64	1.64	1.13
G127.5	1.03	1.06	1.13	1.22	1.41	1.37	1.13
G130.0	1.11	1.13	1.18	1.27	1.25	1.22	1.13
G132.5	1.16	1.20	1.24	1.31	1.19	1.20	1.17
G135.0	1.25	1.27	1.29	1.35	1.21	1.22	1.19
G137.5	1.30	1.33	1.35	1.38	1.26	1.29	1.27
G140.0	1.37	1.40	1.42	1.40	1.33	1.34	1.30
G142.5	1.43	1.46	1.47	1.44	1.38	1.39	1.38
G145.0	1.49	1.51	1.52	1.47	1.46	1.43	1.44
G147.5	1.56	1.58	1.56	1.53	1.50	1.49	1.49
G150.0	1.62	1.62	1.60	1.57	1.55	1.54	1.55
G152.5	1.66	1.66	1.64	1.62	1.61	1.57	1.58
G155.0	1.70	1.71	1.67	1.66	1.63	1.62	1.61
G157.5	1.74	1.74	1.72	1.69	1.67	1.64	1.63
G160.0	1.75	1.76	1.74	1.72	1.67	1.67	1.67
G162.5	1.79	1.77	1.75	1.74	1.72	1.70	1.69
G165.0	1.79	1.79	1.77	1.76	1.73	1.72	1.73
G167.5	1.80	1.81	1.78	1.78	1.76	1.73	1.73
G170.0	1.81	1.83	1.80	1.78	1.77	1.76	1.76
G172.5	1.84	1.84	1.81	1.81	1.78	1.78	1.77
G175.0	1.86	1.87	1.82	1.82	1.79	1.78	1.77
G177.5	1.90	1.88	1.84	1.83	1.81	1.80	1.79
G180.0	1.84	1.84	1.84	1.84	1.84	1.84	1.84

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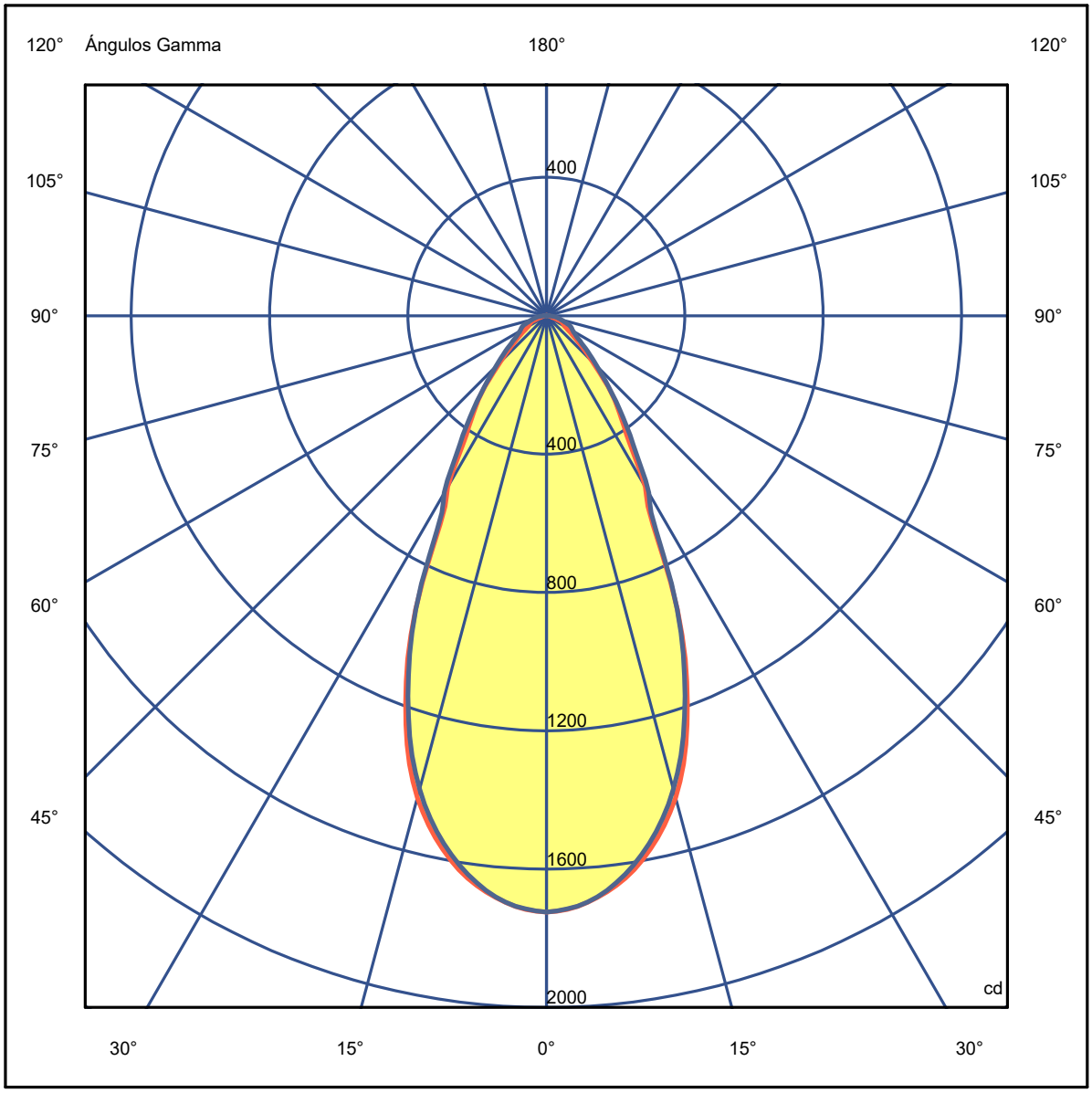
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Sources Flux	1551.33 lm	Maximum value	1723.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1000mm x 200mm



Semiplanos C

180.0 0.0
270.0 90.0



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Sources Flux	1551.33 lm	Maximum value	1723.46 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	10.9	11.8	11.2	12.0	12.2	13.2	14.1	13.5	14.3	14.5
x=2H y=3H	11.3	12.0	11.6	12.3	12.6	14.2	15.0	14.5	15.2	15.5
x=2H y=4H	11.3	12.0	11.6	12.3	12.6	14.6	15.4	14.9	15.7	15.9
x=2H y=6H	11.3	12.0	11.6	12.3	12.6	15.1	15.8	15.4	16.1	16.4
x=2H y=8H	11.3	11.9	11.6	12.3	12.6	15.3	16.0	15.6	16.3	16.6
x=2H y=12H	11.3	11.9	11.6	12.2	12.5	15.5	16.1	15.8	16.4	16.8
x=4H y=2H	11.2	11.9	11.5	12.2	12.5	13.2	14.0	13.5	14.3	14.5
x=4H y=3H	11.6	12.3	12.0	12.6	12.9	14.4	15.0	14.7	15.3	15.7
x=4H y=4H	11.7	12.3	12.1	12.6	13.0	14.9	15.4	15.3	15.8	16.2
x=4H y=6H	11.8	12.2	12.2	12.6	13.0	15.5	15.9	15.9	16.3	16.7
x=4H y=8H	11.8	12.2	12.2	12.6	13.0	15.7	16.2	16.2	16.6	17.0
x=4H y=12H	11.7	12.1	12.2	12.5	13.0	16.0	16.3	16.4	16.7	17.2
x=8H y=4H	11.8	12.3	12.3	12.7	13.1	14.9	15.3	15.3	15.7	16.1
x=8H y=6H	11.9	12.2	12.4	12.7	13.1	15.5	15.8	15.9	16.2	16.7
x=8H y=8H	11.9	12.2	12.4	12.7	13.1	15.8	16.1	16.2	16.5	17.0
x=8H y=12H	11.9	12.1	12.4	12.6	13.1	16.0	16.3	16.5	16.8	17.3
x=12H y=4H	12.5	12.8	12.9	13.2	13.7	14.9	15.2	15.3	15.7	16.1
x=12H y=6H	12.5	12.8	13.0	13.3	13.7	15.5	15.7	15.9	16.2	16.7
x=12H y=8H	12.5	12.8	13.0	13.2	13.7	15.8	16.0	16.3	16.5	17.0

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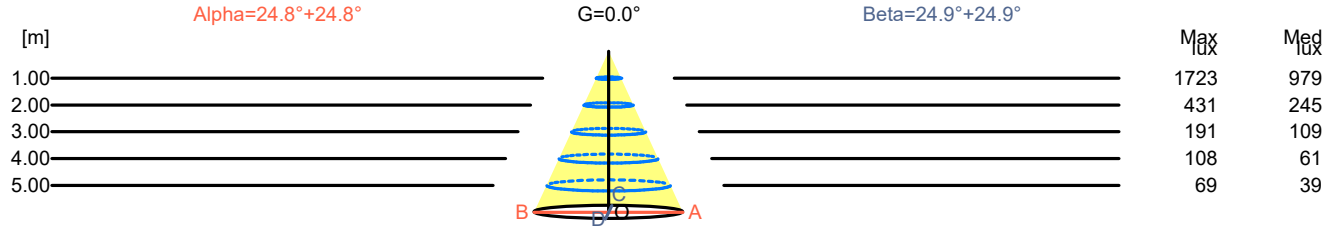
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Sources Flux	1551.33 lm	Maximum value	1723.46 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

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	0.46	0.93	1.39	1.85	2.31	OC	0.46	0.93	1.39	1.86	2.32
OB	0.46	0.93	1.39	1.85	2.31	OD	0.46	0.93	1.39	1.86	2.32

Luminous Intensities [cd]

	0	5	15	25	35	45	55	65	75	85
OA	1723.46	1687.85	1441.78	847.54	391.92	188.52	84.64	52.90	19.26	5.51
OB	1723.46	1687.85	1441.78	847.54	391.92	188.52	84.64	52.90	19.26	5.51
OC	1723.46	1686.45	1416.74	855.43	421.00	206.70	108.47	78.57	44.80	17.98
OD	1723.46	1686.45	1416.74	855.43	421.00	206.70	108.47	78.57	44.80	17.98



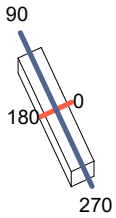
H[m]	D[m]	Max lux	Med lux	Alpha=24.8°+24.8° G=0.0
1.00	0.93	1723	979	
2.00	1.85	431	245	
3.00	2.78	191	109	
4.00	3.70	108	61	
5.00	4.63	69	39	

H[m]	D[m]	Max lux	Med lux	Beta=24.9°+24.9° G=0.0
1.00	0.93	1723	979	
2.00	1.86	431	245	
3.00	2.79	191	109	
4.00	3.72	108	61	
5.00	4.64	69	39	

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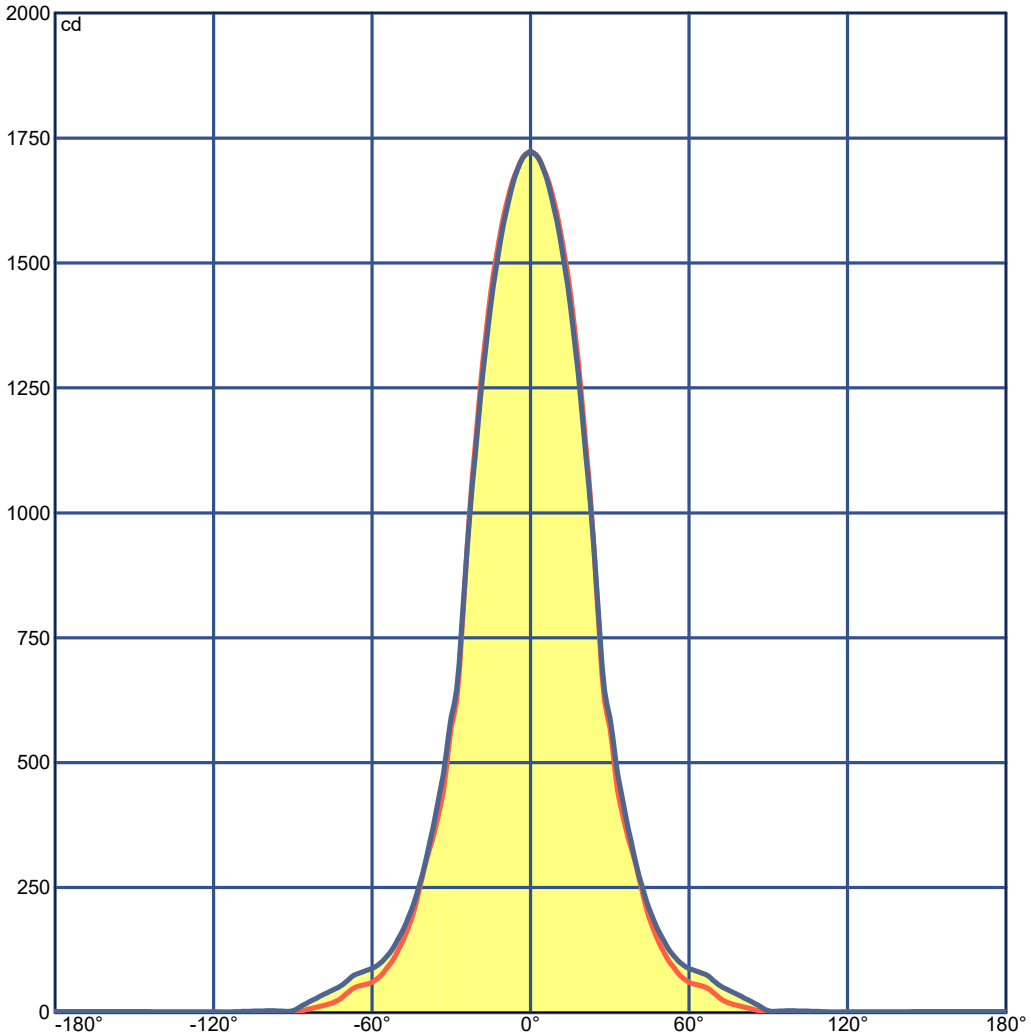
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1000mm x 200mm



Semiplanos C

180.0 0.0
270.0 90.0



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Flujo Total=1551.33 Flujo Luminaria=1551.33

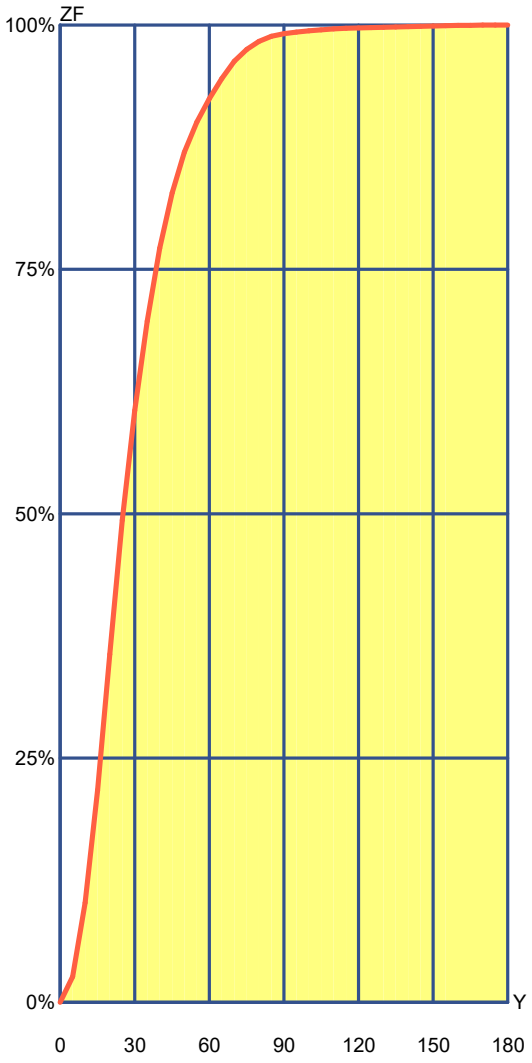
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.57	0.63	0.69	0.74	0.78	0.84	0.88	0.90	0.93	0.95	0.98	1.00
RC	-	1	1	1	1	1	1	1	1	-	-	-

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)	102	356	606	772	870	925	963	983	991	994	996	997	998	998	999	1000	1000	1000

Códigos de Flujo C.I.E.
80 93 98 99 100

C.I.E.	-/1/1/1/1/1/1/1/-/-/-	LOR	100.00000 %
D DIN 5040	A61	ULOR	0.87222 %
F UTE	0.99 B + 0.01 T	DLOR	99.12778 %
B NBN	BZ 1	UFF	0.87222 %
RN	0.87222 %	DFF	99.12778 %
BLF	1.0	FFR	0.87990 %



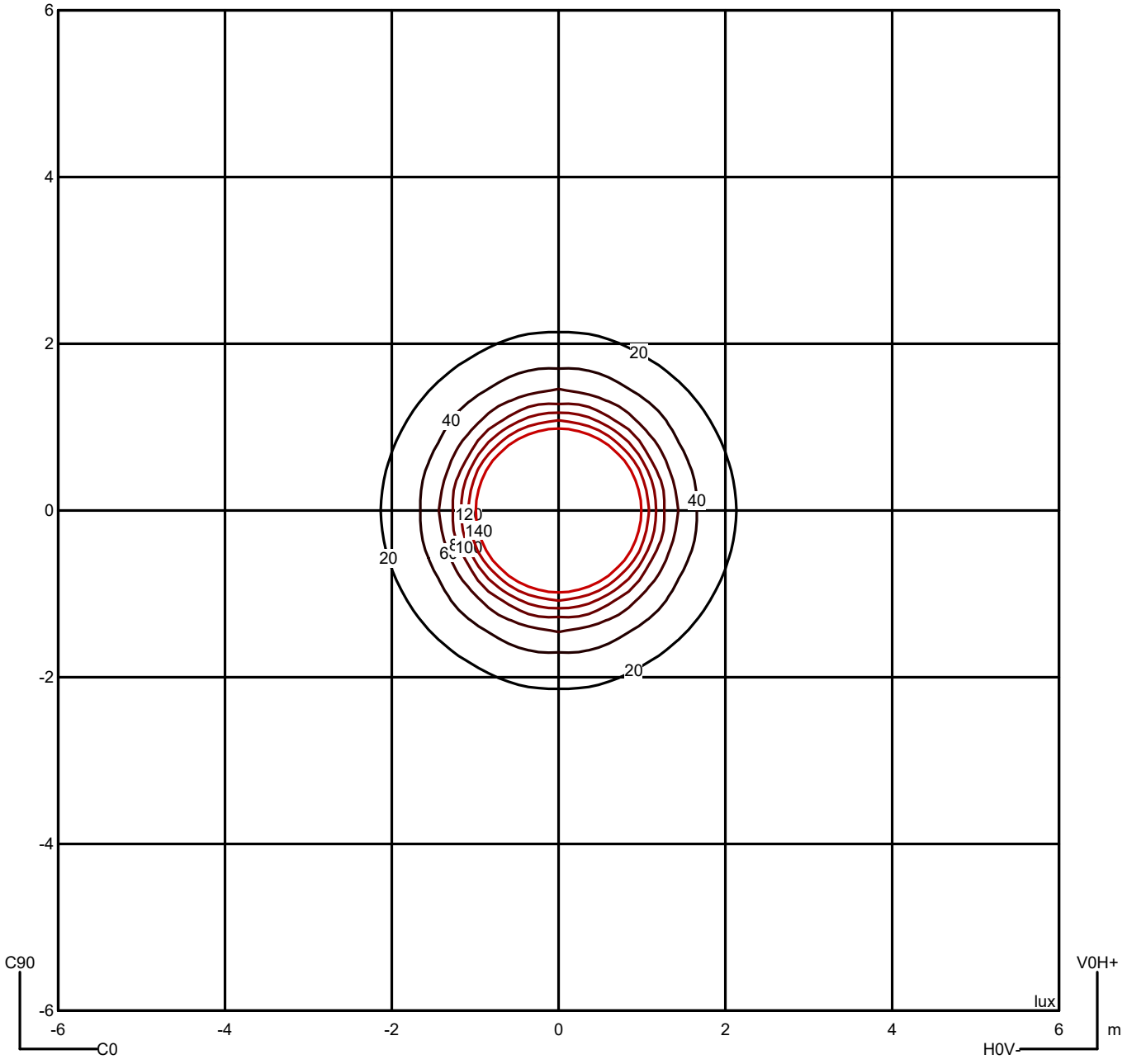
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	26.28	26.28	2.63 %	2.63 %
10°	75.57	101.85	7.56 %	10.19 %
15°	115.42	217.28	11.54 %	21.73 %
20°	138.79	356.07	13.88 %	35.61 %
25°	137.35	493.42	13.74 %	49.34 %
30°	112.26	605.68	11.23 %	60.57 %
35°	91.44	697.12	9.14 %	69.71 %
40°	74.51	771.63	7.45 %	77.16 %
45°	56.90	828.53	5.69 %	82.85 %
50°	41.61	870.14	4.16 %	87.01 %
55°	30.74	900.88	3.07 %	90.09 %
60°	23.89	924.77	2.39 %	92.48 %
65°	20.59	945.36	2.06 %	94.54 %
70°	17.57	962.93	1.76 %	96.29 %
75°	12.27	975.20	1.23 %	97.52 %
80°	8.04	983.24	0.80 %	98.32 %
85°	5.23	988.47	0.52 %	98.85 %
90°	2.81	991.28	0.28 %	99.13 %
95°	1.55	992.82	0.15 %	99.28 %
100°	1.24	994.07	0.12 %	99.41 %
105°	1.04	995.10	0.10 %	99.51 %
110°	0.84	995.94	0.08 %	99.59 %
115°	0.65	996.59	0.06 %	99.66 %
120°	0.51	997.10	0.05 %	99.71 %
125°	0.41	997.51	0.04 %	99.75 %
130°	0.34	997.85	0.03 %	99.78 %
135°	0.32	998.17	0.03 %	99.82 %
140°	0.31	998.48	0.03 %	99.85 %
145°	0.31	998.79	0.03 %	99.88 %
150°	0.29	999.08	0.03 %	99.91 %
155°	0.26	999.34	0.03 %	99.93 %
160°	0.23	999.57	0.02 %	99.96 %
165°	0.18	999.75	0.02 %	99.98 %
170°	0.14	999.89	0.01 %	99.99 %
175°	0.08	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

Luminaire
Code 13201215322
Name ALUET S/100 DIRECT AND INDIRECT LIGHTING
Measurem.
Code CL092A23D011GP
Name ALUET S/100 DIRECT AND INDIRECT LIGHTING

Luminaire Flux	1551.33 lm	Luminaire Power	36.50 W	Efficacy	42.50 lm/W	Efficiency	100.00%
Sources Flux	1551.33 lm	Maximum value	1723.46 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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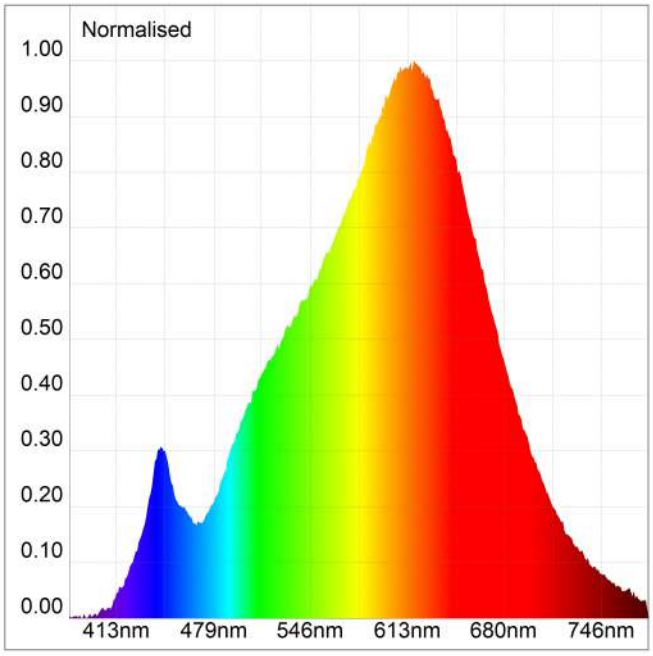
Spectral Data

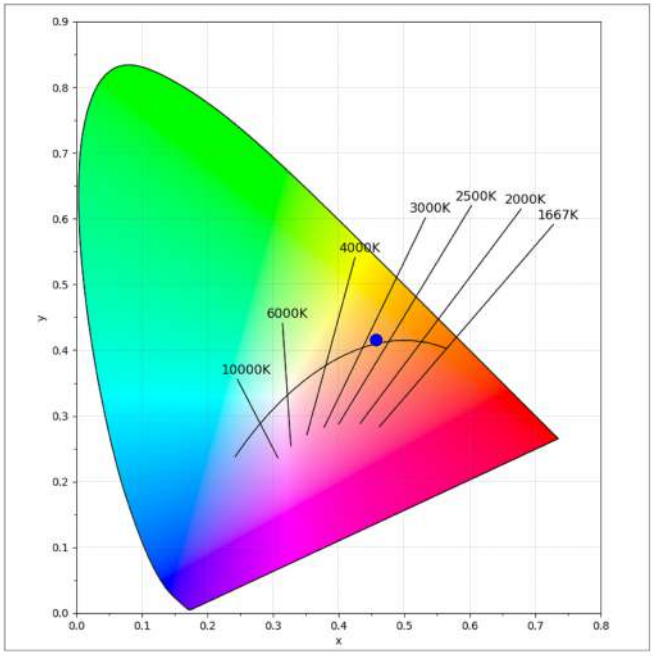
CIE1931	x =0.457659	y =0.415069	Color rendering index (CRI)	CRI8(Ra) 90.8			CRI15(Rav) 87.5		
CIE1960	u =0.259095	v =0.352475	Color Rendering Components	R 1: 90.3	R 2: 94.4		R 3: 98.0	R 4: 91.3	R 5: 90.0
CIE1976	u'=0.259095	v'=0.528712		R 6: 94.1	R 7: 91.1		R 8: 77.5	R 9: 49.0	R10: 86.6
D(u,v)	0.00185			R11: 92.1	R12: 83.3		R13: 91.1	R14: 98.1	R15: 85.1
			CCT = 2766 K						

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.003717	386.0	0.004332	392.0	0.000016
398.0	0.000179	404.0	0.003476	410.0	0.017540
416.0	0.016604	422.0	0.057487	428.0	0.081016
434.0	0.120588	440.0	0.179144	446.0	0.280749
452.0	0.299465	458.0	0.238235	464.0	0.200000
470.0	0.182086	476.0	0.171658	482.0	0.189305
488.0	0.220588	494.0	0.265508	500.0	0.318182
506.0	0.360963	512.0	0.409091	518.0	0.435829
524.0	0.462567	530.0	0.481283	536.0	0.526738
542.0	0.542781	548.0	0.572193	554.0	0.606952
560.0	0.644385	566.0	0.671123	572.0	0.711230
578.0	0.751337	584.0	0.788770	590.0	0.847594
596.0	0.885027	602.0	0.938503	608.0	0.970588
614.0	0.983957	620.0	0.981283	626.0	0.986631
632.0	0.967914	638.0	0.933155	644.0	0.874332
650.0	0.820856	656.0	0.754011	662.0	0.681818
668.0	0.625668	674.0	0.548128	680.0	0.481283
686.0	0.422460	692.0	0.366310	698.0	0.326203
704.0	0.278075	710.0	0.235829	716.0	0.197326
722.0	0.174332	728.0	0.143316	734.0	0.119519
740.0	0.096791	746.0	0.087166	752.0	0.071123
758.0	0.055615	764.0	0.049198	770.0	0.048663
776.0	0.032086	782.0	0.031818	788.0	0.031818

Spectrum Graph

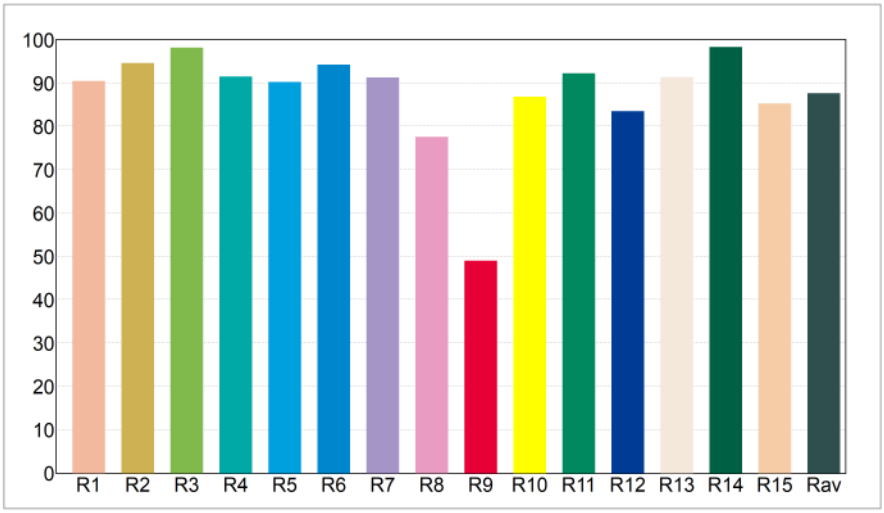


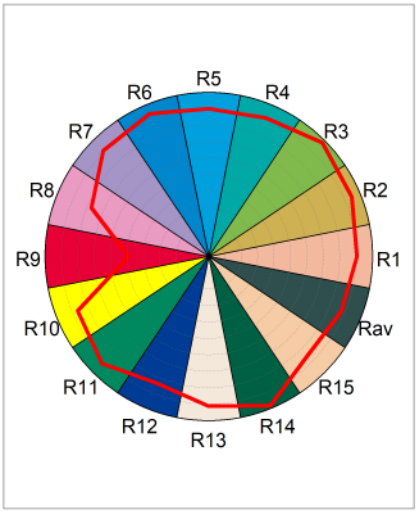


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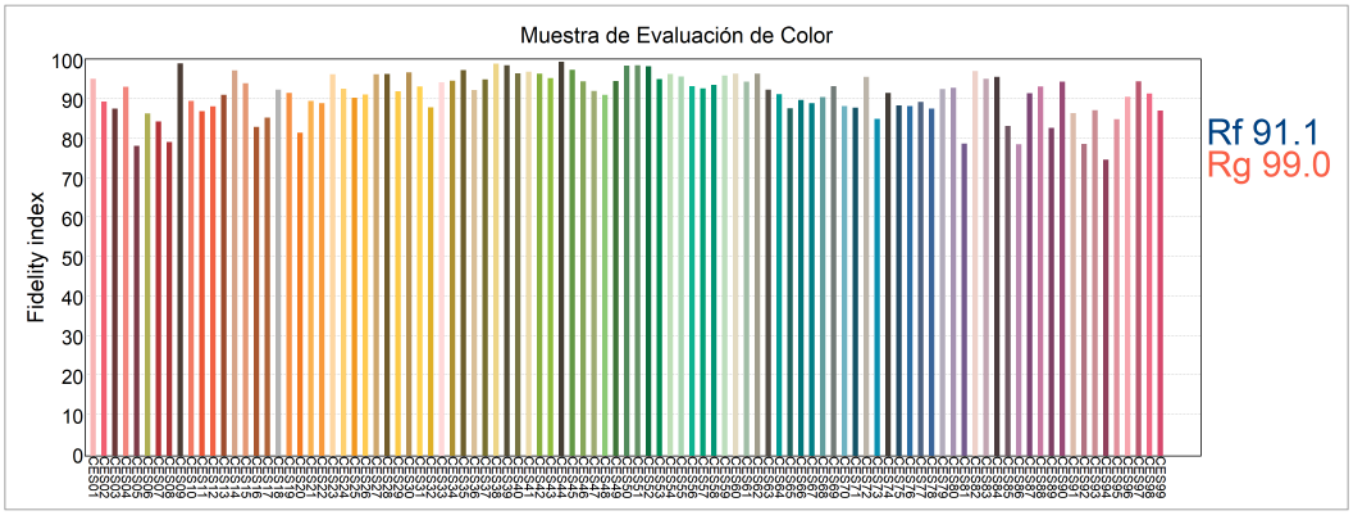
CRI Graphs



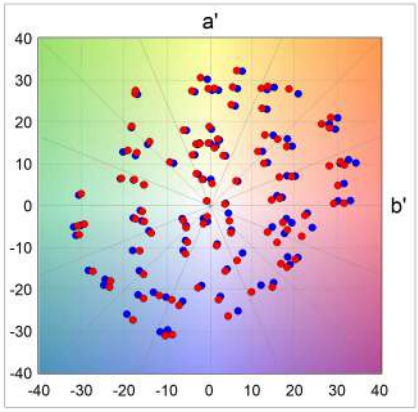


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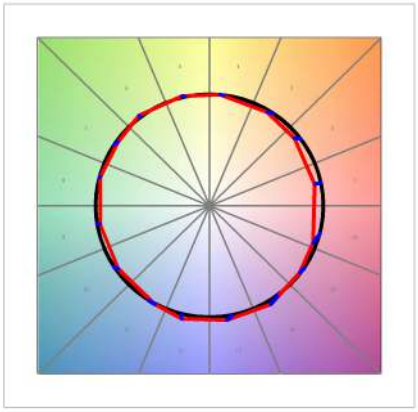
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Chromatic Coordinates (a', b') 99 CES



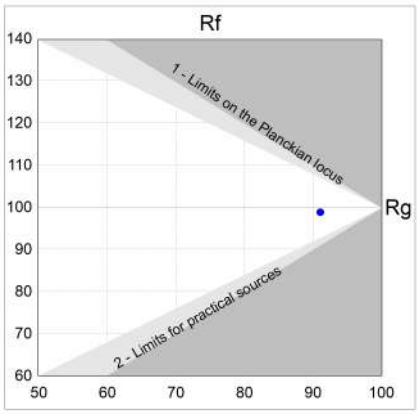
Color Vector Graphic



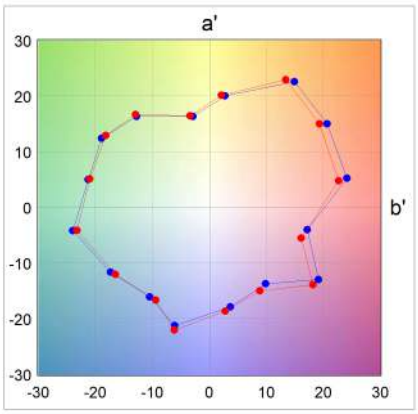
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

