Luminaire
Code 13202215322
Name ALUET S/100 INDIRECT LIGHTING
Measurem.
Code CL092A23D010GP
Name ALUET S/100 INDIRECT LIGHTING

Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 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	703.20 lm
Operator	ASSELUM	Rated Voltage	23.98 V
Temperature	24.10 °C	Rated Current	1.36 A
Humidity	54.50 %	Photocell	Czibula Grundmann
Notes	RM23053109; RM23053111		

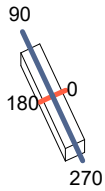
Luminaire Sources

Line	Code	Name	Flux [lm]	Pow. [W]	Q.ty
	918.207	CCTX-2835-BH-2X FULLWAT	703.20	32.63	1

C.I.E.	46 76 94 97 100	D DIN 5040	A31
F UTE	0.97 E + 0.03 T	B NBN	BZ 5



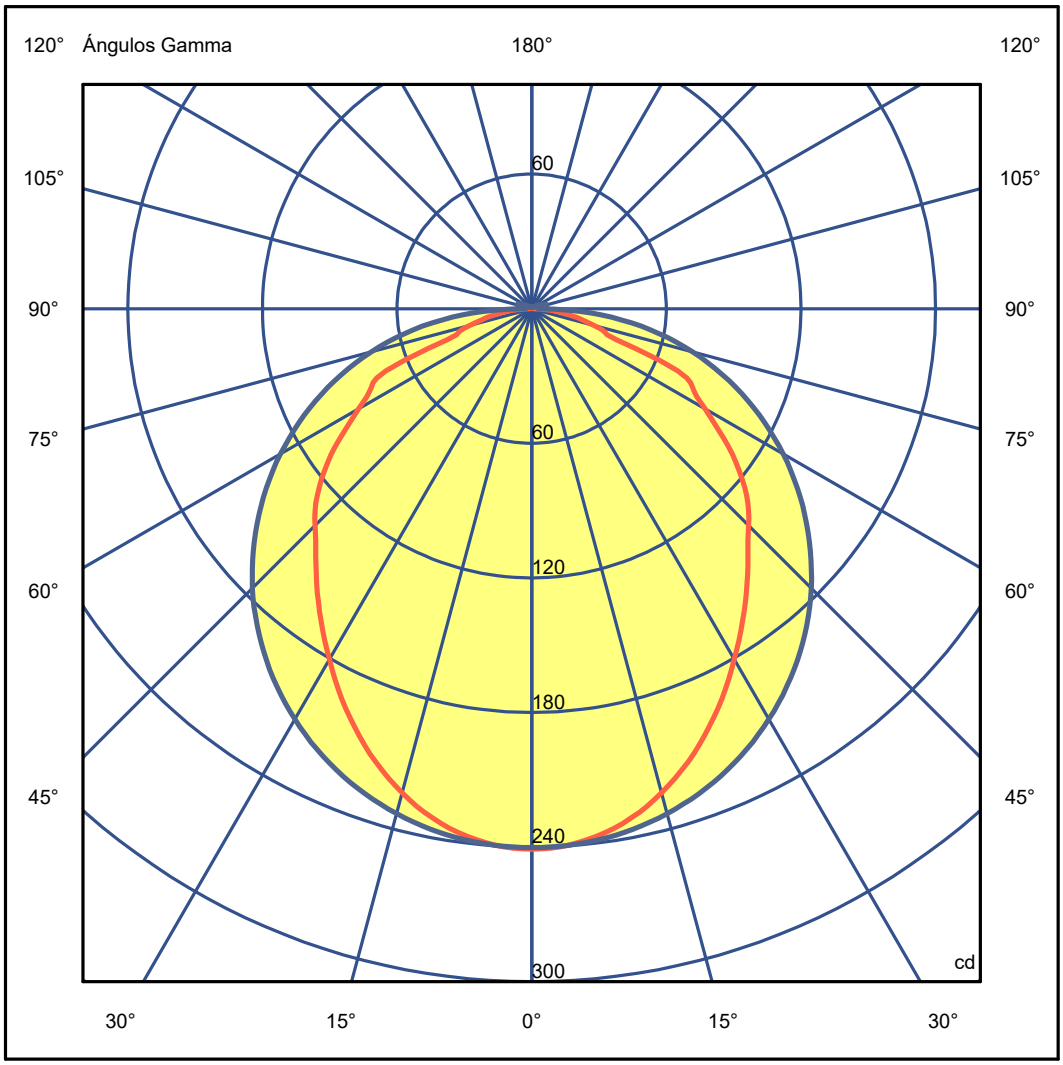
1000mm x 200mm



Semiplanos C

180.0 — 0.0
270.0 — 90.0

ULOR 2.55 %
DLOR 97.45 %
RN 2.55 %



Luminaire
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Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

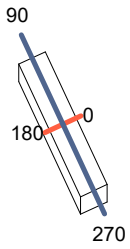
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	240.90	240.63	240.31	240.08	240.04	240.12	240.18
G 2.5	240.39	240.16	239.89	239.73	239.76	239.87	240.00
G 5.0	238.82	238.70	238.61	238.67	238.92	239.22	239.37
G 7.5	236.33	236.34	236.47	236.84	237.49	238.13	238.43
G 10.0	232.93	233.17	233.63	234.42	235.42	236.33	236.98
G 12.5	228.63	229.31	230.24	231.34	233.03	234.54	235.19
G 15.0	223.33	224.40	225.86	227.56	229.96	232.05	232.94
G 17.5	217.48	218.88	220.83	223.13	226.35	229.14	230.34
G 20.0	211.00	212.68	215.09	218.01	222.14	225.76	227.32
G 22.5	203.79	205.89	208.89	212.54	217.60	222.03	223.93
G 25.0	196.38	198.73	202.08	206.30	212.37	217.76	220.09
G 27.5	188.53	191.12	194.86	199.69	206.77	213.13	215.89
G 30.0	180.46	183.27	187.35	192.70	200.76	208.07	211.25
G 32.5	172.70	175.47	179.57	185.24	194.29	202.66	206.34
G 35.0	164.90	167.57	171.61	177.51	187.45	196.81	200.95
G 37.5	157.26	159.67	163.47	169.44	180.26	190.66	195.30
G 40.0	149.72	151.85	155.41	161.41	172.94	184.18	189.24
G 42.5	142.54	144.23	147.33	153.19	165.33	177.39	182.85
G 45.0	136.62	137.70	139.88	145.11	157.55	170.29	176.13
G 47.5	130.89	131.33	132.54	137.04	149.57	162.78	168.90
G 50.0	123.78	124.02	124.86	129.10	141.76	155.27	161.56
G 52.5	115.73	117.09	118.69	121.81	134.38	147.68	153.86
G 55.0	106.89	108.01	109.96	114.99	127.32	140.06	145.93
G 57.5	97.58	99.61	102.76	108.52	120.48	132.37	137.77
G 60.0	89.09	91.56	95.29	101.34	112.97	124.29	129.39
G 62.5	82.11	84.63	88.26	94.00	105.04	115.78	120.60
G 65.0	78.03	79.73	82.36	87.10	97.25	107.35	111.94
G 67.5	66.78	69.44	74.35	81.68	90.96	99.18	102.73
G 70.0	39.92	49.65	63.24	76.55	86.18	91.71	93.47
G 72.5	33.99	40.06	49.50	60.68	71.80	80.41	83.87
G 75.0	28.69	34.82	42.65	50.81	61.56	70.50	74.24
G 77.5	23.39	24.69	27.39	33.17	45.65	58.22	63.95
G 80.0	18.50	19.76	22.33	27.51	38.23	48.92	53.78
G 82.5	14.02	15.58	18.26	22.76	31.01	39.00	42.59
G 85.0	9.94	11.75	14.45	18.12	23.73	28.86	31.10
G 87.5	4.47	6.91	10.25	13.65	16.36	18.10	18.71
G 90.0	0.86	4.61	8.77	10.96	9.65	6.78	5.20
G 92.5	0.69	3.87	7.36	8.98	7.36	4.40	2.82
G 95.0	0.71	3.55	6.77	8.52	7.62	5.52	4.35
G 97.5	0.70	3.18	6.11	7.95	7.44	6.23	5.52
G100.0	0.71	2.87	5.53	7.39	7.30	6.73	6.28
G102.5	0.71	2.64	5.07	6.88	7.13	6.85	6.60
G105.0	0.72	2.46	4.67	6.42	6.79	6.83	6.72
G107.5	0.73	2.29	4.25	5.87	6.38	6.62	6.65
G110.0	0.73	1.83	3.32	4.70	5.38	5.90	6.09
G112.5	0.73	1.51	2.60	3.61	4.08	4.39	4.49
G115.0	0.73	1.24	2.00	2.82	3.53	4.02	4.20
G117.5	0.73	1.10	1.66	2.35	3.07	3.63	3.86
G120.0	0.73	0.98	1.42	2.02	2.74	3.35	3.61
G122.5	0.74	0.94	1.29	1.77	2.33	2.80	3.00
G125.0	0.75	0.91	1.18	1.56	2.00	2.38	2.54
G127.5	0.74	0.87	1.09	1.39	1.71	1.98	2.09
G130.0	0.78	0.91	1.09	1.26	1.33	1.36	1.37
G132.5	0.78	0.89	1.04	1.14	1.10	1.05	1.01
G135.0	0.78	0.89	1.01	1.06	0.97	0.83	0.75
G137.5	0.77	0.84	0.94	0.97	0.90	0.79	0.73
G140.0	0.80	0.83	0.87	0.88	0.83	0.77	0.73
G142.5	0.80	0.81	0.82	0.82	0.79	0.75	0.73
G145.0	0.80	0.79	0.79	0.78	0.76	0.74	0.74
G147.5	0.82	0.81	0.80	0.78	0.76	0.74	0.73
G150.0	0.82	0.81	0.80	0.79	0.77	0.76	0.75
G152.5	0.84	0.83	0.81	0.80	0.79	0.78	0.77
G155.0	0.84	0.83	0.82	0.81	0.79	0.76	0.75
G157.5	0.86	0.86	0.85	0.84	0.82	0.80	0.79
G160.0	0.89	0.88	0.86	0.84	0.82	0.81	0.80
G162.5	0.89	0.88	0.87	0.85	0.83	0.81	0.80
G165.0	0.89	0.88	0.87	0.85	0.84	0.83	0.82
G167.5	0.91	0.90	0.89	0.87	0.85	0.83	0.82
G170.0	0.91	0.90	0.89	0.88	0.86	0.85	0.84
G172.5	0.93	0.92	0.91	0.89	0.87	0.85	0.84
G175.0	0.93	0.92	0.91	0.89	0.87	0.85	0.85
G177.5	0.93	0.92	0.91	0.89	0.87	0.85	0.84
G180.0	0.93	0.92	0.91	0.89	0.87	0.85	0.84

Luminaire
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Name ALUET S/100 INDIRECT LIGHTING
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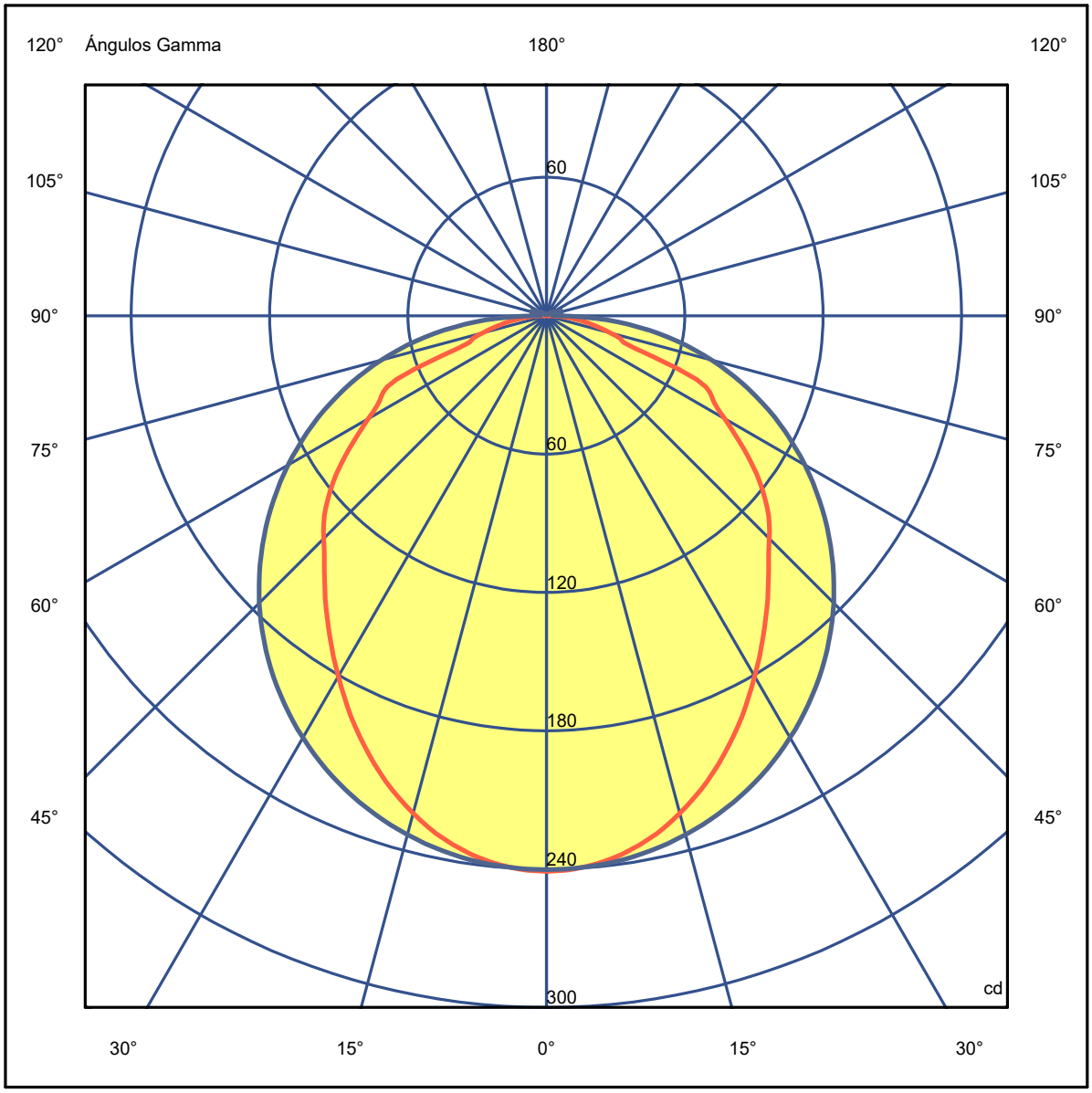
Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

1000mm x 200mm



Semiplanos C





Luminaire
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Code CL092A23D010GP
Name ALUET S/100 INDIRECT LIGHTING

Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 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	12.8	14.1	13.2	14.4	14.7	16.3	17.6	16.6	17.9	18.2
x=2H y=3H	13.8	15.0	14.1	15.3	15.6	18.3	19.5	18.7	19.8	20.1
x=2H y=4H	14.0	15.1	14.3	15.4	15.8	19.2	20.3	19.6	20.7	21.0
x=2H y=6H	14.0	15.1	14.4	15.4	15.8	20.0	21.0	20.4	21.4	21.7
x=2H y=8H	14.0	15.1	14.4	15.4	15.8	20.3	21.3	20.7	21.6	22.0
x=2H y=12H	14.0	15.0	14.4	15.4	15.8	20.5	21.5	20.9	21.9	22.3
x=4H y=2H	13.7	14.8	14.1	15.2	15.5	16.5	17.6	16.9	17.9	18.3
x=4H y=3H	14.8	15.8	15.2	16.1	16.5	18.7	19.6	19.1	20.0	20.4
x=4H y=4H	15.1	15.9	15.5	16.3	16.7	19.7	20.5	20.1	20.9	21.3
x=4H y=6H	15.2	15.9	15.6	16.4	16.8	20.5	21.3	21.0	21.7	22.2
x=4H y=8H	15.2	15.9	15.7	16.4	16.8	20.9	21.6	21.4	22.1	22.5
x=4H y=12H	15.2	15.9	15.7	16.3	16.8	21.2	21.9	21.7	22.3	22.8
x=8H y=4H	15.4	16.1	15.9	16.6	17.0	19.7	20.4	20.2	20.8	21.3
x=8H y=6H	15.6	16.2	16.1	16.7	17.2	20.6	21.2	21.1	21.7	22.2
x=8H y=8H	15.7	16.2	16.2	16.7	17.2	21.1	21.6	21.6	22.1	22.6
x=8H y=12H	15.7	16.2	16.3	16.7	17.3	21.5	21.9	22.0	22.4	23.0
x=12H y=4H	16.8	17.4	17.3	17.8	18.3	19.7	20.3	20.2	20.8	21.3
x=12H y=6H	16.9	17.4	17.4	17.9	18.4	20.6	21.1	21.2	21.6	22.2
x=12H y=8H	17.0	17.4	17.5	17.9	18.5	21.1	21.5	21.6	22.0	22.6

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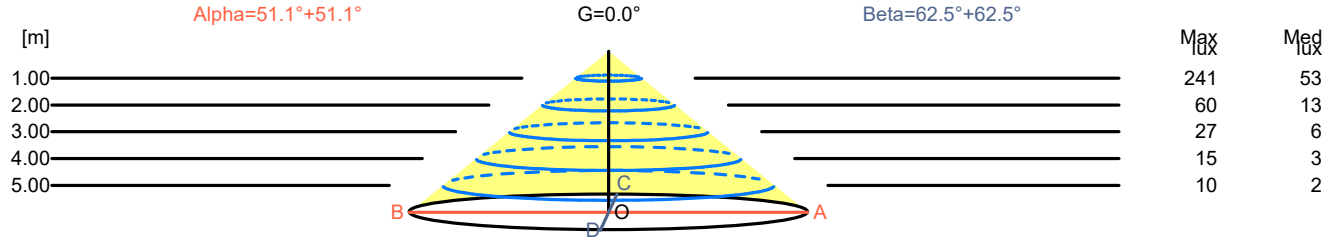
Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

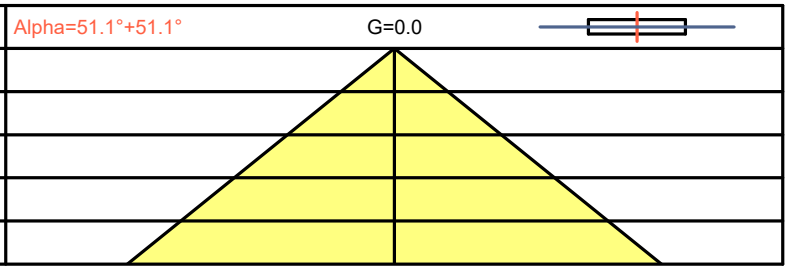
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	1.24	2.48	3.71	4.95	6.19	OC	1.92	3.85	5.77	7.70	9.62
OB	1.24	2.48	3.71	4.95	6.19	OD	1.92	3.85	5.77	7.70	9.62

Luminous Intensities [cd]

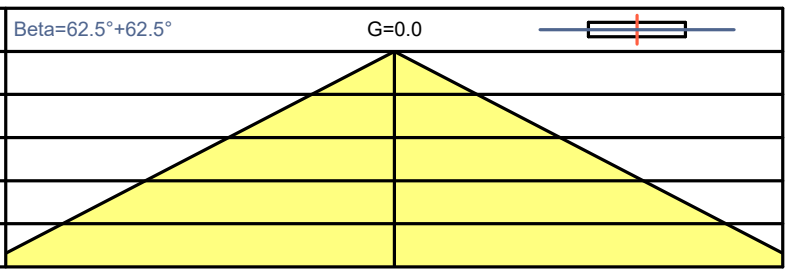
	0	5	15	25	35	45	55	65	75	85
OA	240.90	238.82	223.33	196.38	164.90	136.62	106.89	78.03	28.69	9.94
OB	240.90	238.82	223.33	196.38	164.90	136.62	106.89	78.03	28.69	9.94
OC	240.18	239.37	232.94	220.09	200.95	176.13	145.93	111.94	74.24	31.10
OD	240.18	239.37	232.94	220.09	200.95	176.13	145.93	111.94	74.24	31.10



H[m]	D[m]	Max lux	Med lux
1.00	2.48	241	53
2.00	4.95	60	13
3.00	7.43	27	6
4.00	9.90	15	3
5.00	12.38	10	2



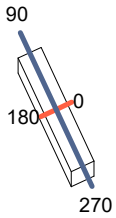
H[m]	D[m]	Max lux	Med lux
1.00	3.85	241	53
2.00	7.70	60	13
3.00	11.55	27	6
4.00	15.40	15	3
5.00	19.25	10	2



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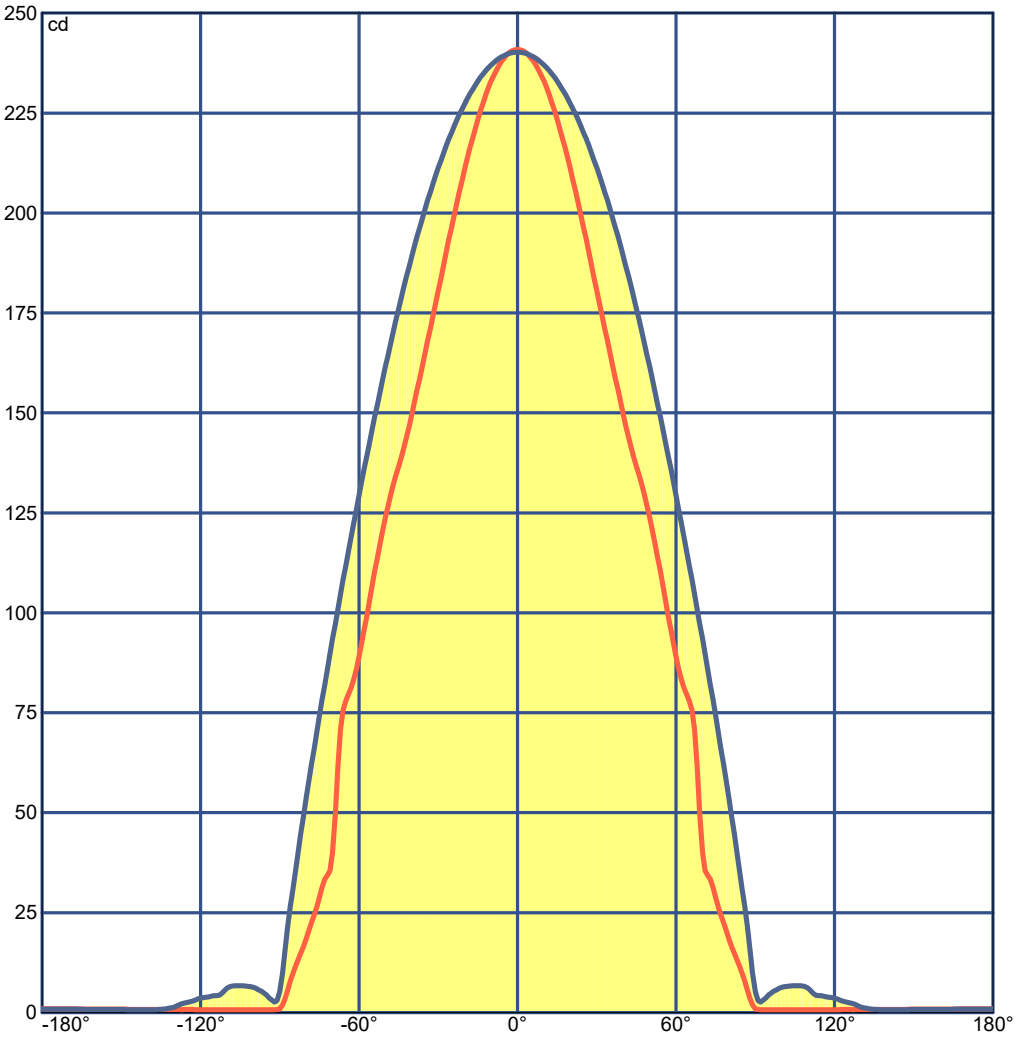
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1000mm x 200mm



Semiplanos C





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Flujo Total=703.20 Flujo Luminaria=703.20

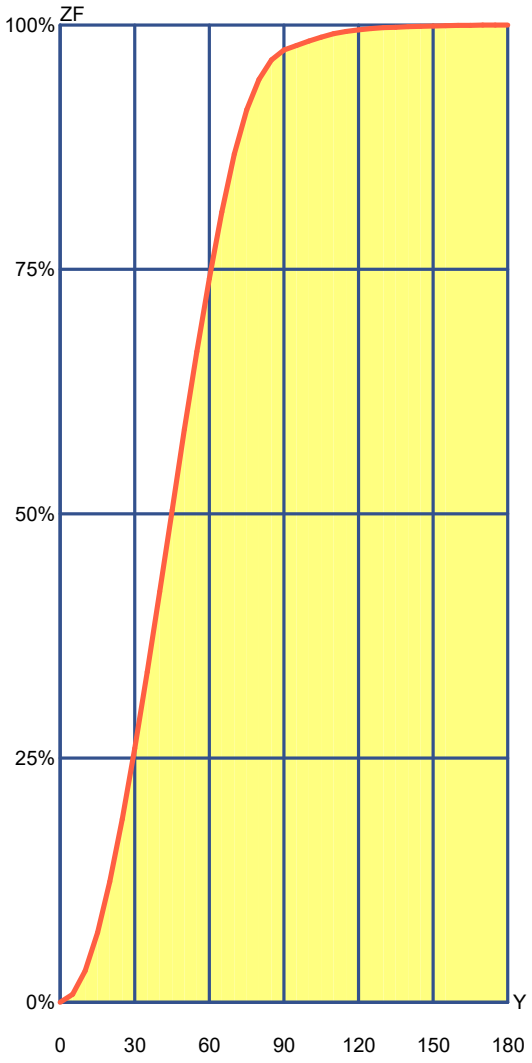
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.30	0.38	0.45	0.52	0.58	0.66	0.72	0.76	0.81	0.85	0.92	0.96
RC	5	5	5	5	5	5	5	5	5	5	5	5

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)	32	124	260	420	586	741	868	944	974	984	991	995	997	998	999	1000	1000	1000

Códigos de Flujo C.I.E.
46 76 94 97 100

C.I.E.	5	LOR	100.00000 %
D DIN 5040	A31	ULOR	2.55347 %
F UTE	0.97 E + 0.03 T	DLOR	97.44653 %
B NBN	BZ 5	UFF	2.55347 %
RN	2.55347 %	DFF	97.44653 %
BLF	1.0	FFR	2.62038 %



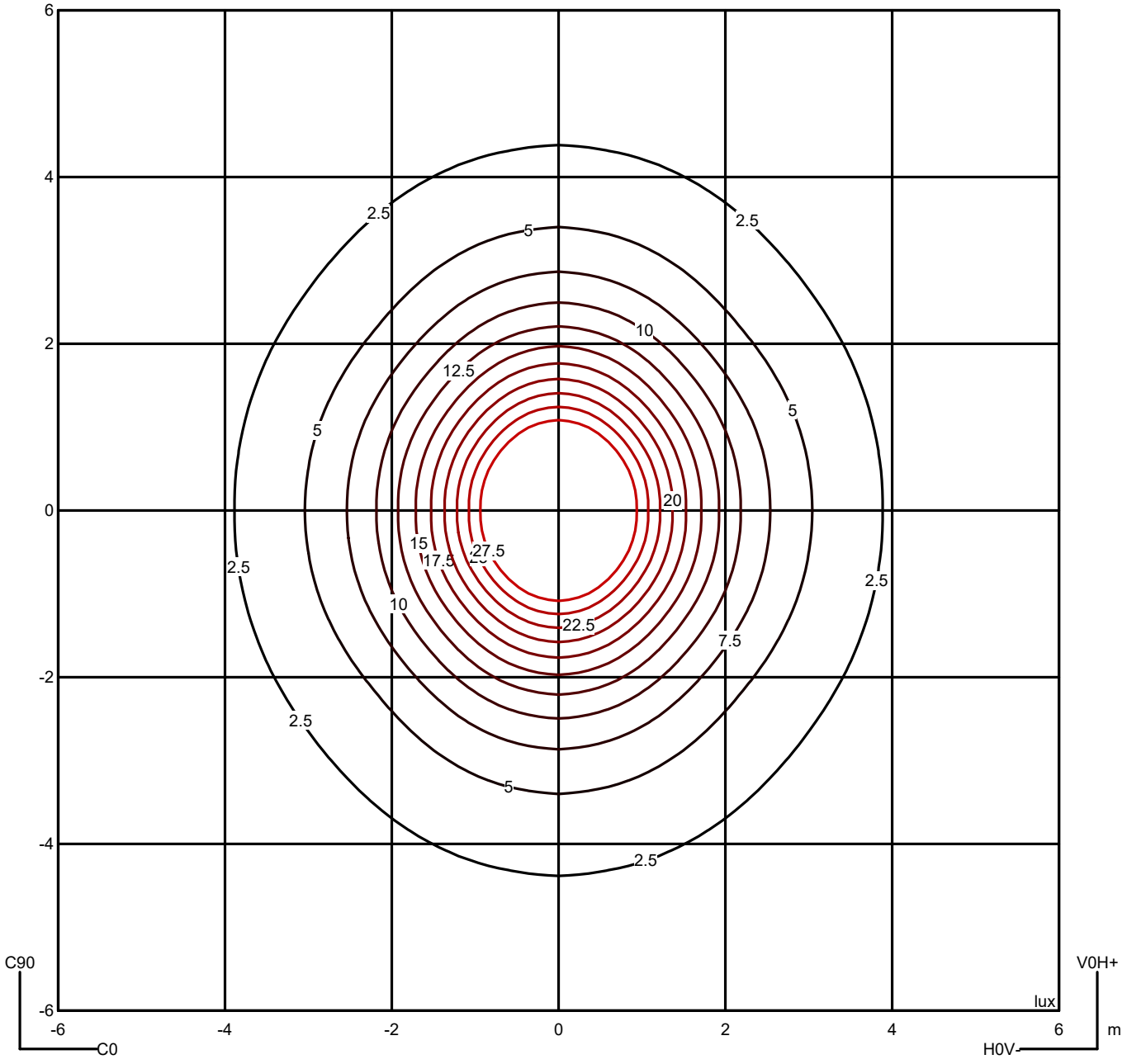
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	8.15	8.15	0.81 %	0.81 %
10°	24.09	32.23	2.41 %	3.22 %
15°	39.03	71.27	3.90 %	7.13 %
20°	52.36	123.63	5.24 %	12.36 %
25°	63.59	187.22	6.36 %	18.72 %
30°	72.37	259.59	7.24 %	25.96 %
35°	78.57	338.17	7.86 %	33.82 %
40°	82.18	420.34	8.22 %	42.03 %
45°	83.39	503.73	8.34 %	50.37 %
50°	82.59	586.32	8.26 %	58.63 %
55°	79.67	665.99	7.97 %	66.60 %
60°	74.59	740.58	7.46 %	74.06 %
65°	68.01	808.59	6.80 %	80.86 %
70°	59.49	868.07	5.95 %	86.81 %
75°	45.46	913.54	4.55 %	91.35 %
80°	30.75	944.28	3.07 %	94.43 %
85°	19.96	964.25	2.00 %	96.42 %
90°	10.22	974.47	1.02 %	97.45 %
95°	4.73	979.19	0.47 %	97.92 %
100°	4.37	983.57	0.44 %	98.36 %
105°	4.08	987.65	0.41 %	98.76 %
110°	3.52	991.17	0.35 %	99.12 %
115°	2.35	993.52	0.23 %	99.35 %
120°	1.64	995.16	0.16 %	99.52 %
125°	1.22	996.38	0.12 %	99.64 %
130°	0.87	997.25	0.09 %	99.72 %
135°	0.59	997.84	0.06 %	99.78 %
140°	0.46	998.30	0.05 %	99.83 %
145°	0.38	998.68	0.04 %	99.87 %
150°	0.33	999.00	0.03 %	99.90 %
155°	0.29	999.29	0.03 %	99.93 %
160°	0.25	999.54	0.02 %	99.95 %
165°	0.20	999.73	0.02 %	99.97 %
170°	0.15	999.88	0.01 %	99.99 %
175°	0.09	999.97	0.01 %	100.00 %
180°	0.03	1000.00	0.00 %	100.00 %

Luminaire
Code 13202215322
Name ALUET S/100 INDIRECT LIGHTING
Measurem.
Code CL092A23D010GP
Name ALUET S/100 INDIRECT LIGHTING

Luminaire Flux	703.20 lm	Luminaire Power	32.63 W	Efficacy	21.55 lm/W	Efficiency	100.00%
Sources Flux	703.20 lm	Maximum value	240.90 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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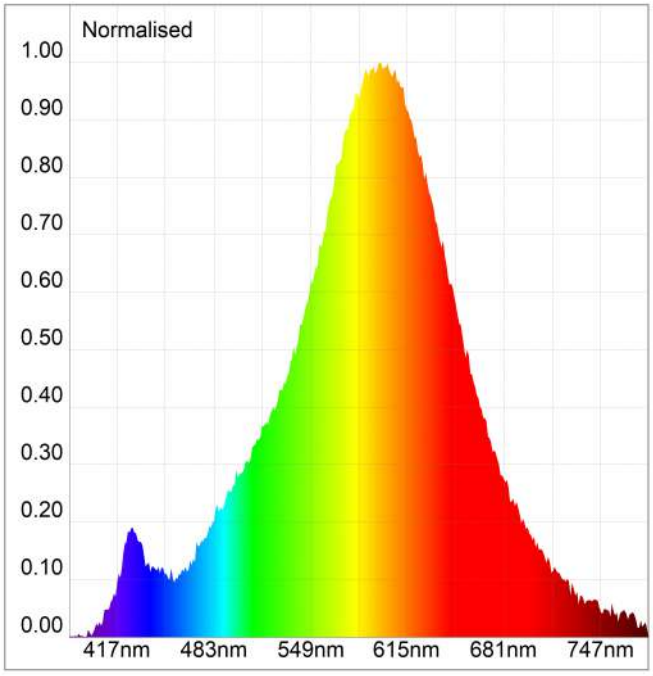
Spectral Data

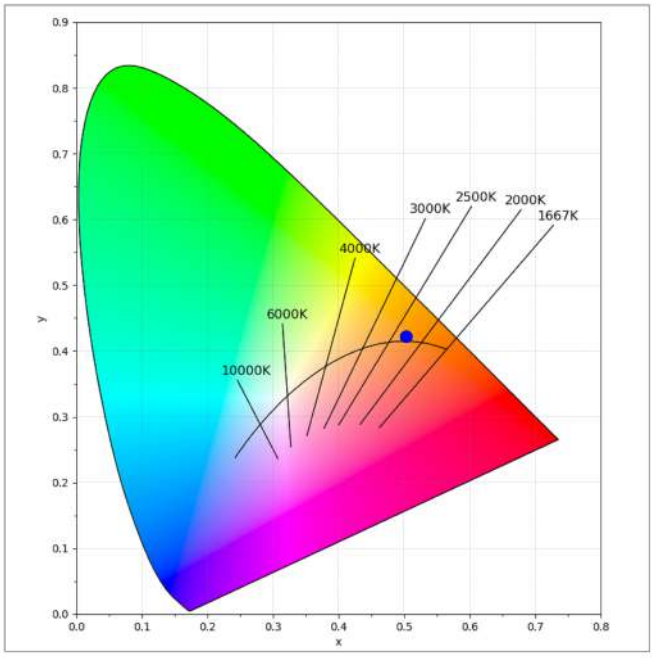
CIE1931	x =0.503576	y =0.421678	Color rendering index (CRI)	CRI8(Ra) 78.7			CRI15(Rav) 73.1		
CIE1960	u =0.285596	v =0.358723	Color Rendering Components	R 1: 76.6	R 2: 90.1		R 3: 94.3	R 4: 74.0	R 5: 76.1
CIE1976	u'=0.285596	v'=0.538085		R 6: 89.4	R 7: 78.7		R 8: 50.9	R 9: -0.4	R10: 78.5
D(u,v)	0.00202			R11: 71.7	R12: 71.8		R13: 79.3	R14: 97.7	R15: 68.3
			CCT = 2264 K						

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
385.0	0.001597	391.0	0.000969	397.0	0.001079
403.0	0.001071	409.0	0.000145	415.0	0.003993
421.0	0.001970	427.0	0.012369	433.0	0.023953
439.0	0.047644	445.0	0.070419	451.0	0.162304
457.0	0.181937	463.0	0.141361	469.0	0.122120
475.0	0.118979	481.0	0.101702	487.0	0.118194
493.0	0.125000	499.0	0.167539	505.0	0.189791
511.0	0.226440	517.0	0.252618	523.0	0.282723
529.0	0.303665	535.0	0.342932	541.0	0.370419
547.0	0.412304	553.0	0.452880	559.0	0.505236
565.0	0.578534	571.0	0.642670	577.0	0.705497
583.0	0.802356	589.0	0.875654	595.0	0.926702
601.0	0.973822	607.0	0.993455	613.0	0.988220
619.0	0.973822	625.0	0.955497	631.0	0.897906
637.0	0.839005	643.0	0.767016	649.0	0.688482
655.0	0.612565	661.0	0.545812	667.0	0.489529
673.0	0.416230	679.0	0.349476	685.0	0.308901
691.0	0.273560	697.0	0.235602	703.0	0.187173
709.0	0.155759	715.0	0.137435	721.0	0.122644
727.0	0.100262	733.0	0.083508	739.0	0.065838
745.0	0.063613	751.0	0.040576	757.0	0.058770
763.0	0.043979	769.0	0.040838	775.0	0.029581

Spectrum Graph

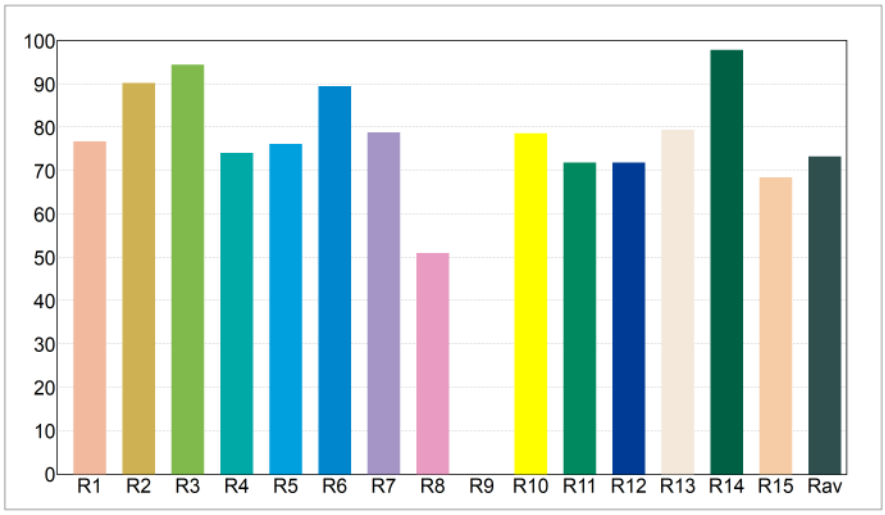


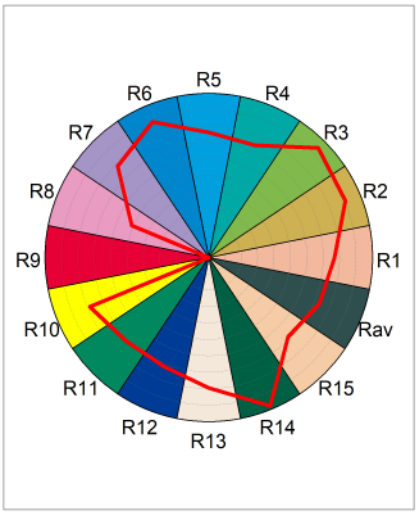


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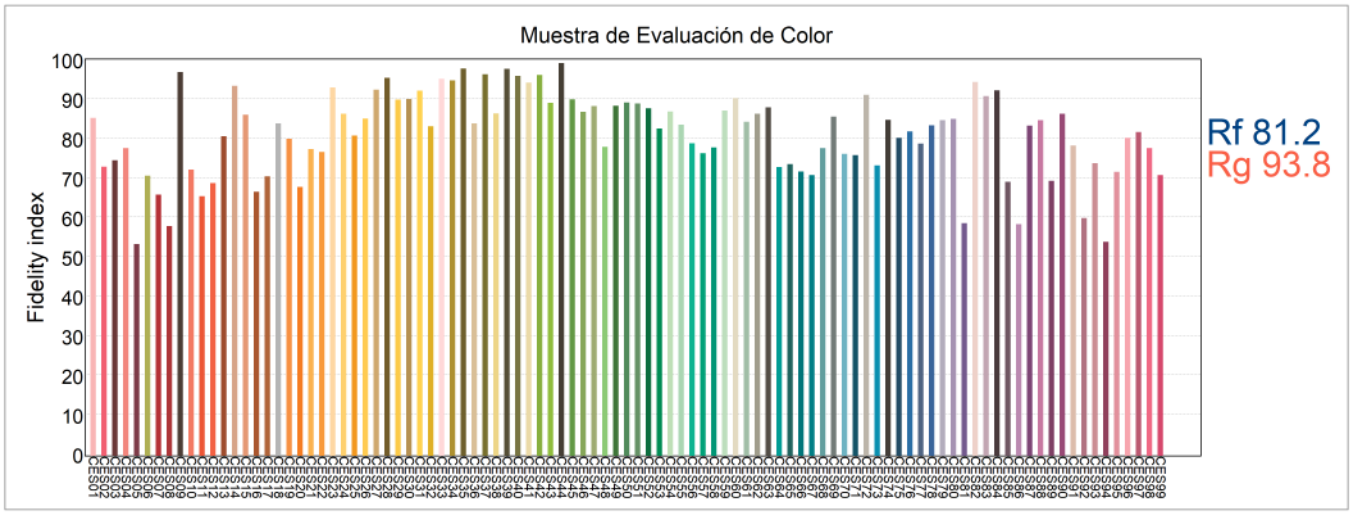
CRI Graphs



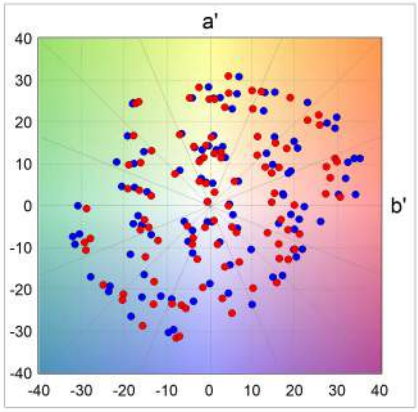


Luminaire
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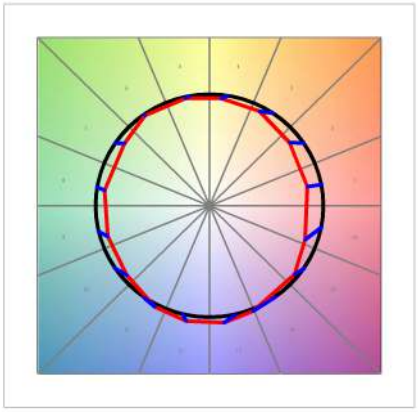
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Sources Flux	703.20 lm	Maximum value	240.90 cd	Position	C=0.00 G=0.00	CG	Double Symmetrical



Chromatic Coordinates (a', b') 99 CES



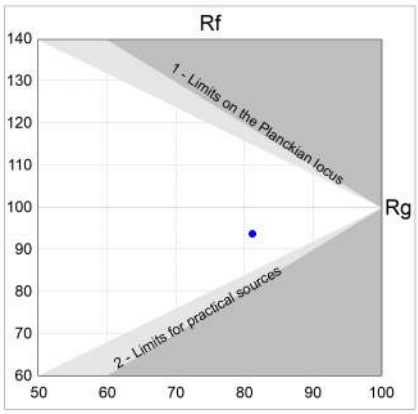
Color Vector Graphic



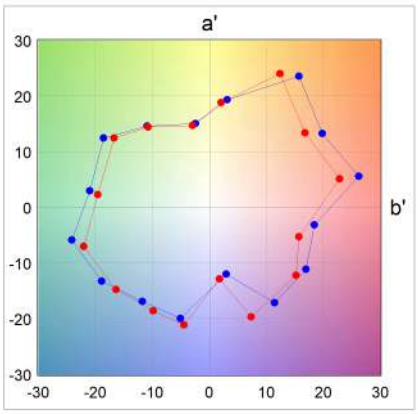
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

