Luminaire

Code	YUYUN_S5L_SIST_24VDC
Name	YUYUN_S5L_SIST_24VDC
Line	

Measurem.

Code	
Name	YUYUN_S5L_SIST_24VDC

Source Data

Code	JB2835BWT-G-U22EA0000 JB2835BWT-G-U27EA0004	Correlated Color Temperature (CCT)	2229K	Q.ty	1
Name	CREE	Color rendering index (CRI)	92		
Line					

Measurement data

Coordinate system	CG	Symmetry Type	Double Symmetrical
Date	06-10-2025	Maximum Gamma Angle	180°
Measurement Distance	6.49m	Measurement Flux	1199.8 lm
Maximum	185.14 cd/klm	Position	C=0.0° G=37.5°

Electrical Parameters

Channel 1		Channel 2	
Voltage	0.00 V	Voltage	0.00 V
Current	0.00 A	Current	0.00 A
Power	36.00 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

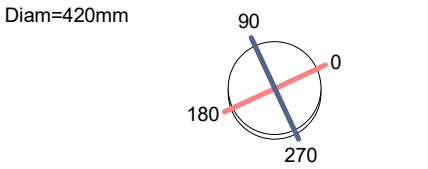
Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	40.2 %		

Luminaire Dimensions

Round Luminaire	Diam.	420 mm	Height	900 mm	
Round Luminous Area	Diam.	420 mm	Height	900 mm	
Horizontal Luminous Area	0.138544 m2		Emitting area on Plane 180°		0.378000 m2
Emitting area on Plane 0°	0.378000 m2		Emitting area on Plane 270°		0.378000 m2
Emitting area on Plane 90°	0.378000 m2		Glare area at 76°		0.400289 m2

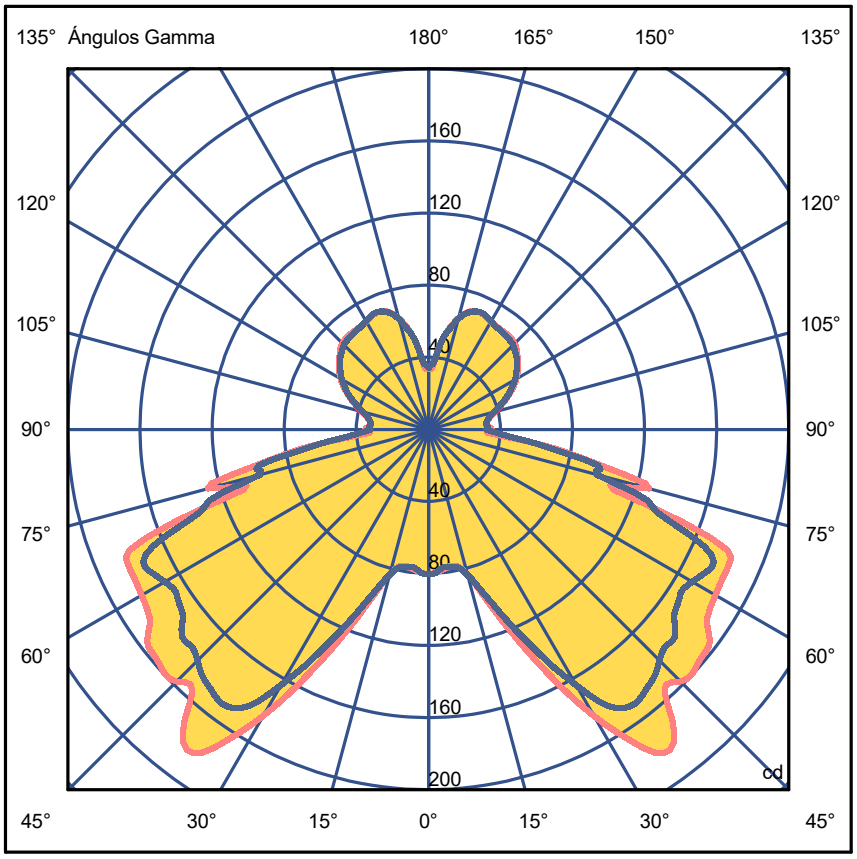
Photometric Assessment

Luminaire Flux	1199.8 lm	Source Flux	1199.8 lm
Efficacy	33.328 lm/W	Efficiency	100.0 %
CIE Flux Codes	27 61 89 73 100	D DIN 5040	B11
F UTE	0.73 I + 0.27 T	B NBN	BZ 7 / 1.5 / BZ 6





ULOR 27.36 %
DLOR 72.64 %
RN 27.36 %



Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

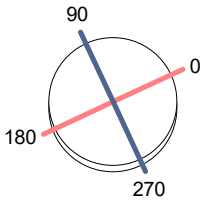
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	80	80	80	80	80	80	80
G 2.5	80	79	79	80	80	80	80
G 5.0	79	78	78	78	78	78	78
G 7.5	77	77	78	77	77	77	77
G 10.0	77	77	77	78	78	77	77
G 12.5	78	78	78	80	80	80	79
G 15.0	83	82	82	85	85	85	84
G 17.5	93	89	89	93	94	94	92
G 20.0	107	101	99	105	106	107	102
G 22.5	124	115	112	119	121	122	116
G 25.0	142	132	127	135	138	139	130
G 27.5	163	150	145	152	156	156	147
G 30.0	184	169	162	169	175	174	164
G 32.5	202	188	179	187	192	191	181
G 35.0	219	204	191	200	204	202	189
G 37.5	222	209	195	203	207	204	190
G 40.0	210	200	188	199	204	202	188
G 42.5	194	188	178	195	201	201	186
G 45.0	198	188	174	191	196	192	181
G 47.5	199	187	172	192	194	190	178
G 50.0	197	185	175	193	194	193	179
G 52.5	197	186	176	190	188	186	172
G 55.0	189	181	172	189	187	186	169
G 57.5	185	179	170	186	184	184	167
G 60.0	184	180	171	184	184	184	169
G 62.5	183	180	172	184	183	184	173
G 65.0	183	180	172	184	184	184	175
G 67.5	182	173	163	169	170	167	162
G 70.0	150	145	135	141	140	141	135
G 72.5	104	116	117	132	131	133	125
G 75.0	127	112	97	101	100	99	97
G 77.5	106	107	98	101	102	101	98
G 80.0	82	84	77	82	83	83	79
G 82.5	61	63	59	63	63	62	60
G 85.0	40	43	42	46	47	48	45
G 87.5	32	35	34	36	37	39	37
G 90.0	35	37	34	33	33	32	32
G 92.5	33	36	35	33	34	33	33
G 95.0	32	34	33	32	33	32	32
G 97.5	33	34	33	33	33	32	32
G100.0	34	35	34	34	34	33	34
G102.5	36	36	35	36	35	35	35
G105.0	38	38	38	38	38	38	38
G107.5	41	41	40	41	41	40	41
G110.0	44	45	44	44	44	44	44
G112.5	48	48	47	47	47	47	47
G115.0	51	51	50	50	50	50	50
G117.5	54	54	53	53	53	53	53
G120.0	56	56	56	55	56	55	55
G122.5	59	58	58	58	58	58	58
G125.0	61	60	60	60	60	60	60
G127.5	62	62	62	62	62	62	62
G130.0	64	64	64	63	63	63	64
G132.5	66	66	66	65	65	65	65
G135.0	68	67	67	66	66	66	66
G137.5	68	68	67	67	67	67	67
G140.0	68	68	67	67	68	67	67
G142.5	68	68	67	68	68	68	68
G145.0	68	68	68	68	68	68	68
G147.5	69	68	68	68	68	69	69
G150.0	69	68	68	69	69	69	69
G152.5	70	69	69	69	70	70	70
G155.0	71	70	69	69	70	71	71
G157.5	71	69	69	69	70	71	71
G160.0	70	68	68	68	68	69	70
G162.5	67	66	66	65	66	66	67
G165.0	64	63	62	62	62	63	63
G167.5	59	58	58	58	58	58	58
G170.0	53	53	52	52	52	53	54
G172.5	47	46	45	45	46	47	46
G175.0	38	37	37	38	38	38	38
G177.5	34	33	34	35	36	36	36
G180.0	34	34	34	34	34	34	34

Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

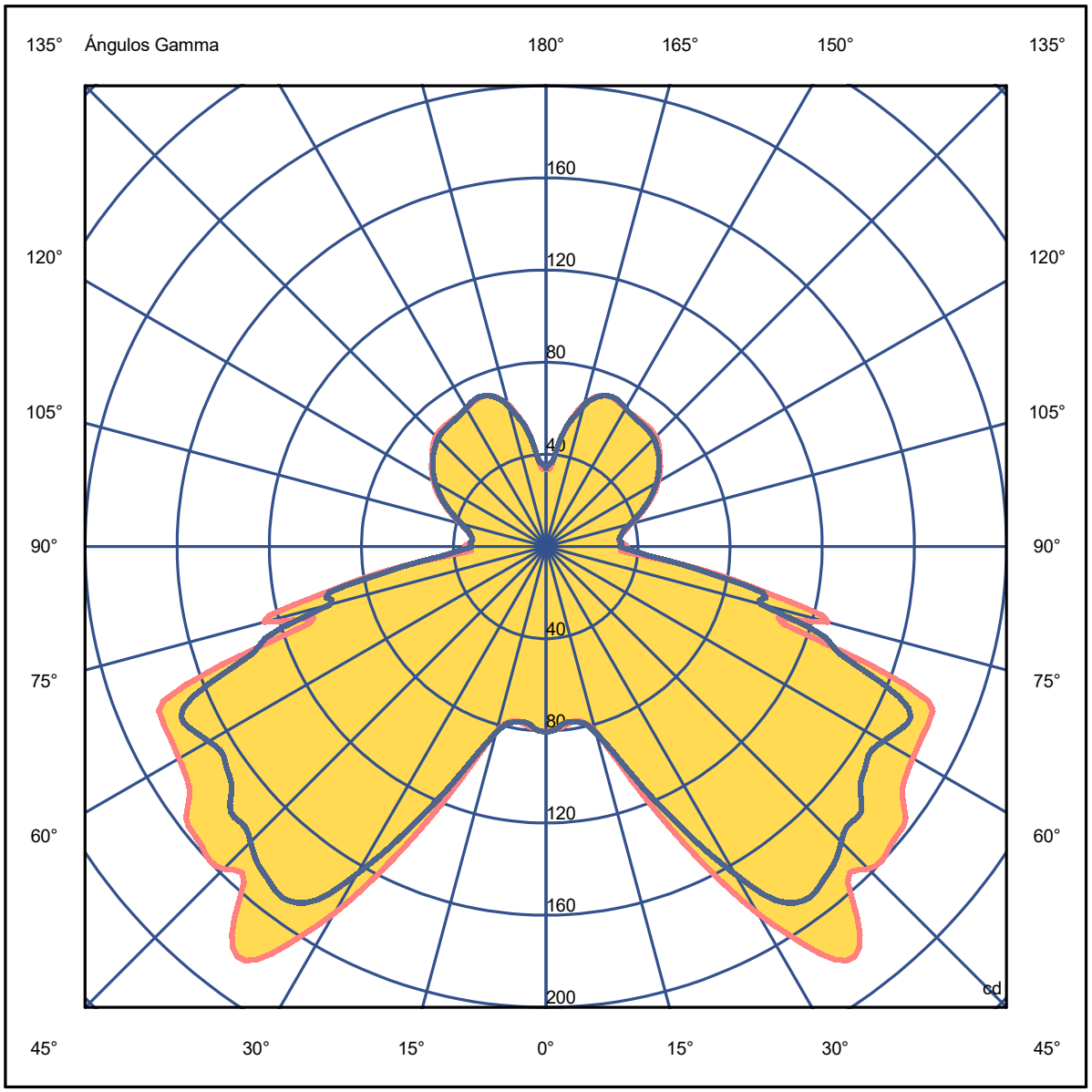
Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C





Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	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	8.9	10.1	9.6	10.8	11.6	9.1	10.3	9.7	10.9	11.7
x=2H y=3H	10.9	12.0	11.6	12.7	13.5	10.9	12.0	11.6	12.7	13.5
x=2H y=4H	11.5	12.5	12.2	13.2	14.0	11.4	12.4	12.1	13.2	14.0
x=2H y=6H	12.0	12.9	12.7	13.6	14.5	11.9	12.8	12.6	13.5	14.4
x=2H y=8H	12.1	13.0	12.8	13.7	14.6	12.0	12.9	12.7	13.6	14.5
x=2H y=12H	12.1	13.0	12.9	13.7	14.6	12.0	12.9	12.7	13.6	14.5
x=4H y=2H	9.7	10.7	10.4	11.4	12.3	9.8	10.8	10.5	11.6	12.4
x=4H y=3H	11.7	12.5	12.4	13.3	14.2	11.7	12.6	12.5	13.3	14.2
x=4H y=4H	12.3	13.1	13.1	13.9	14.8	12.4	13.1	13.1	13.9	14.8
x=4H y=6H	13.0	13.6	13.7	14.4	15.3	12.9	13.6	13.7	14.4	15.3
x=4H y=8H	13.1	13.7	13.9	14.5	15.5	13.1	13.7	13.9	14.5	15.4
x=4H y=12H	13.2	13.7	14.0	14.6	15.5	13.1	13.7	13.9	14.5	15.5
x=8H y=4H	12.6	13.2	13.4	14.0	14.9	12.6	13.2	13.4	14.0	14.9
x=8H y=6H	13.3	13.8	14.1	14.6	15.6	13.3	13.8	14.1	14.6	15.6
x=8H y=8H	13.5	14.0	14.4	14.8	15.8	13.5	13.9	14.3	14.8	15.8
x=8H y=12H	13.7	14.0	14.5	14.9	15.9	13.6	14.0	14.5	14.9	15.9
x=12H y=4H	12.5	13.1	13.3	13.9	14.9	12.6	13.1	13.4	13.9	14.9
x=12H y=6H	13.3	13.8	14.2	14.6	15.6	13.3	13.7	14.1	14.6	15.6
x=12H y=8H	13.6	14.0	14.4	14.8	15.8	13.6	13.9	14.4	14.8	15.8

Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

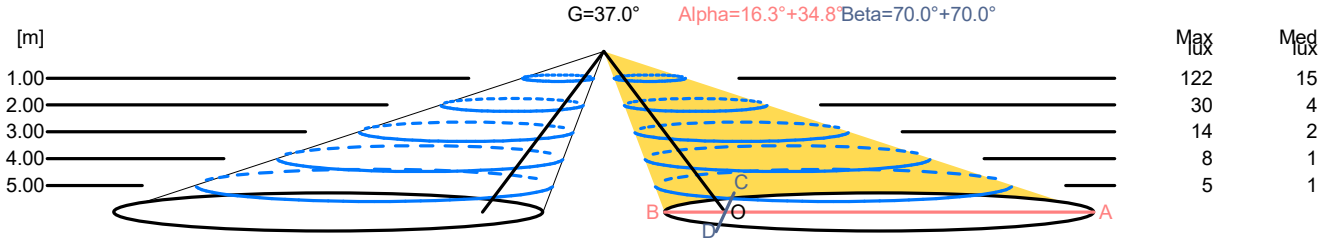
Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Width at 50.00 % of Max Intensity

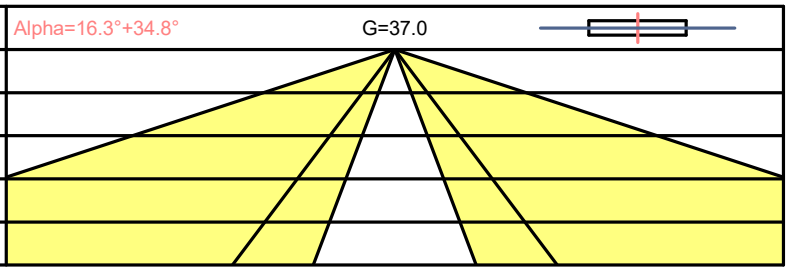
H[m]	1.00	2.00	3.00	4.00	5.00	H[m]	1.00	2.00	3.00	4.00	5.00
OA	2.29	4.58	6.88	9.17	11.46	OC	3.43	6.87	10.30	13.73	17.16
OB	0.38	0.75	1.13	1.50	1.88	OD	3.43	6.87	10.30	13.73	17.16

Luminous Intensities [cd]

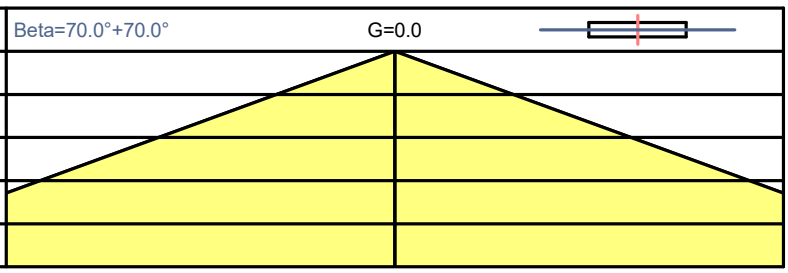
	0	5	15	25	35	45	55	65	75	85
OA	80.41	78.63	82.95	142.14	218.90	197.79	188.81	182.94	126.75	40.39
OB	80.41	78.63	82.95	142.14	218.90	197.79	188.81	182.94	126.75	40.39
OC	80.41	77.65	83.53	130.40	188.72	181.28	168.91	174.72	96.79	45.11
OD	80.41	77.65	83.53	130.40	188.72	181.28	168.91	174.72	96.79	45.11



H[m]	D[m]	Max lux	Med lux
1.00	2.67	122	15
2.00	5.33	30	4
3.00	8.00	14	2
4.00	10.67	8	1
5.00	13.34	5	1



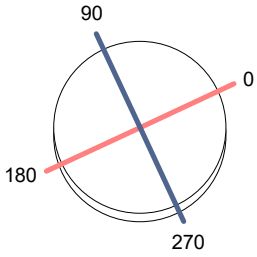
H[m]	D[m]	Max lux	Med lux
1.00	6.87	122	15
2.00	13.73	30	4
3.00	20.60	14	2
4.00	27.46	8	1
5.00	34.33	5	1



Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

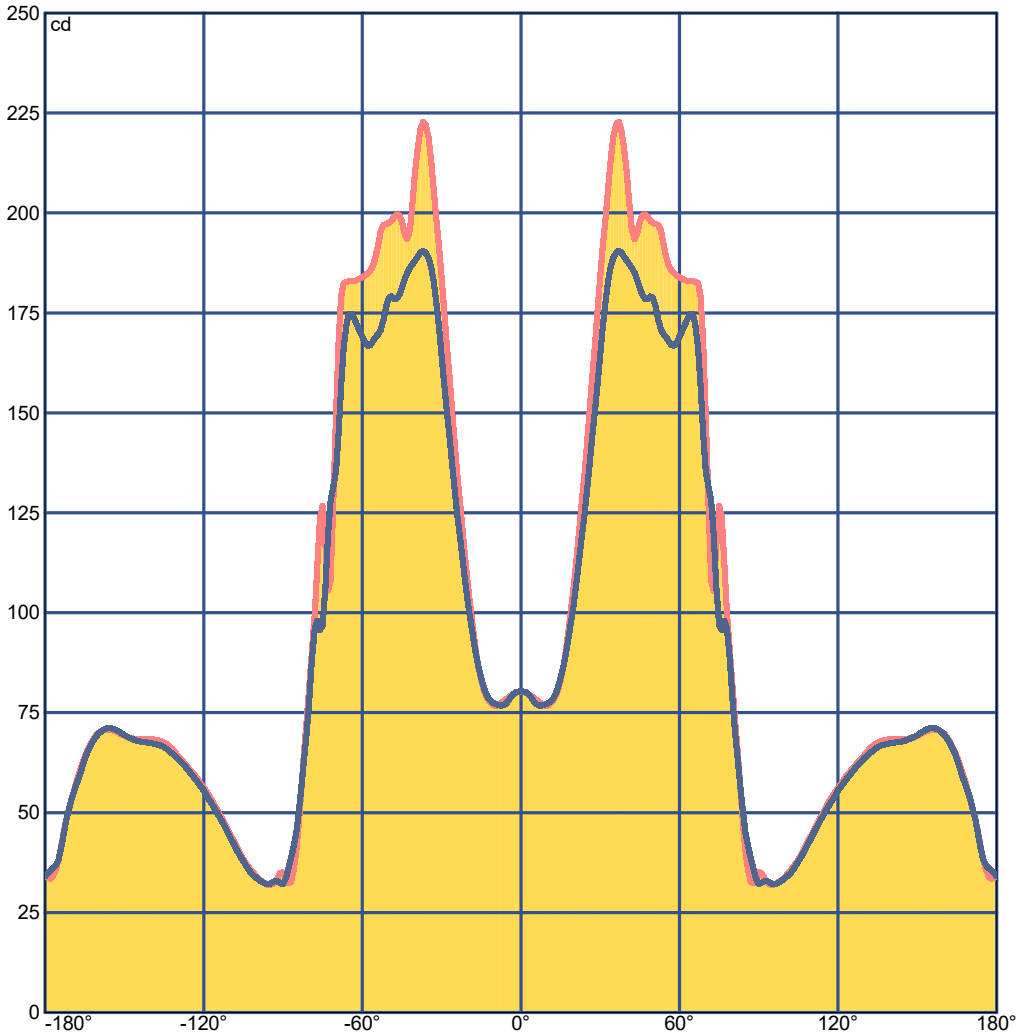
Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C

180.0 0.0
270.0 90.0



Luminaire
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Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Flujo Total=1199.80 Flujo Luminaria=1199.80

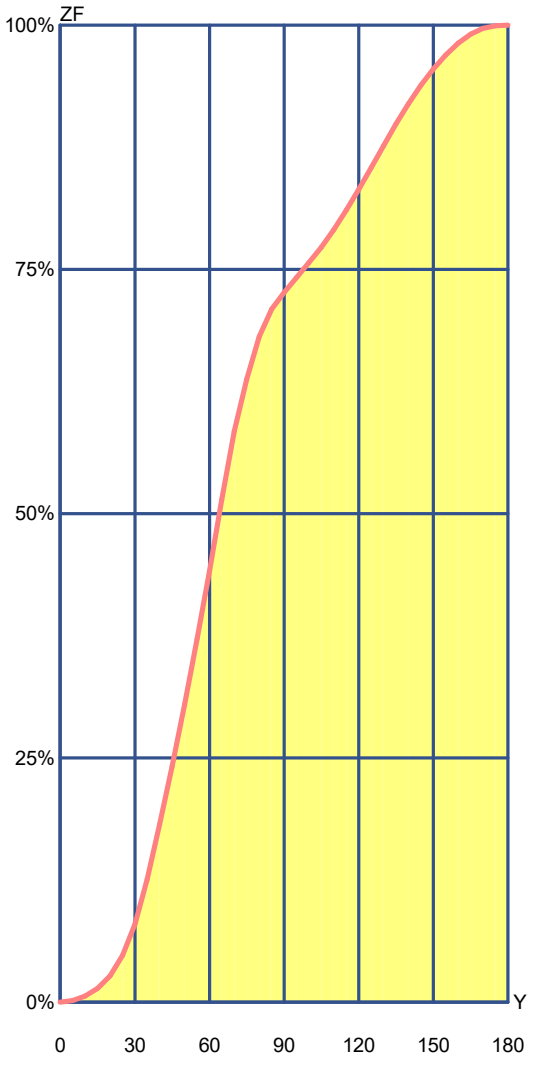
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.24	0.31	0.38	0.44	0.54	0.61	0.66	0.73	0.78	0.88	0.94
RC	9	8	8	8	8	8	7	7	7	7	7	7

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)	6	27	80	182	305	441	584	681	726	757	791	832	877	919	955	982	997	1000

Códigos de Flujo C.I.E.
27 61 89 73 100

C.I.E.	9/8/8/8/8/8/7/7/7/7/7/7	LOR	100.00000 %
D DIN 5040	B11	ULOR	27.35966 %
F UTE	0.73 I + 0.27 T	DLOR	72.64034 %
B NBN	BZ 7 / 1.5 / BZ 6	UFF	27.35966 %
RN	27.35966 %	DFF	72.64034 %
BLF	1.0	FFR	37.66455 %



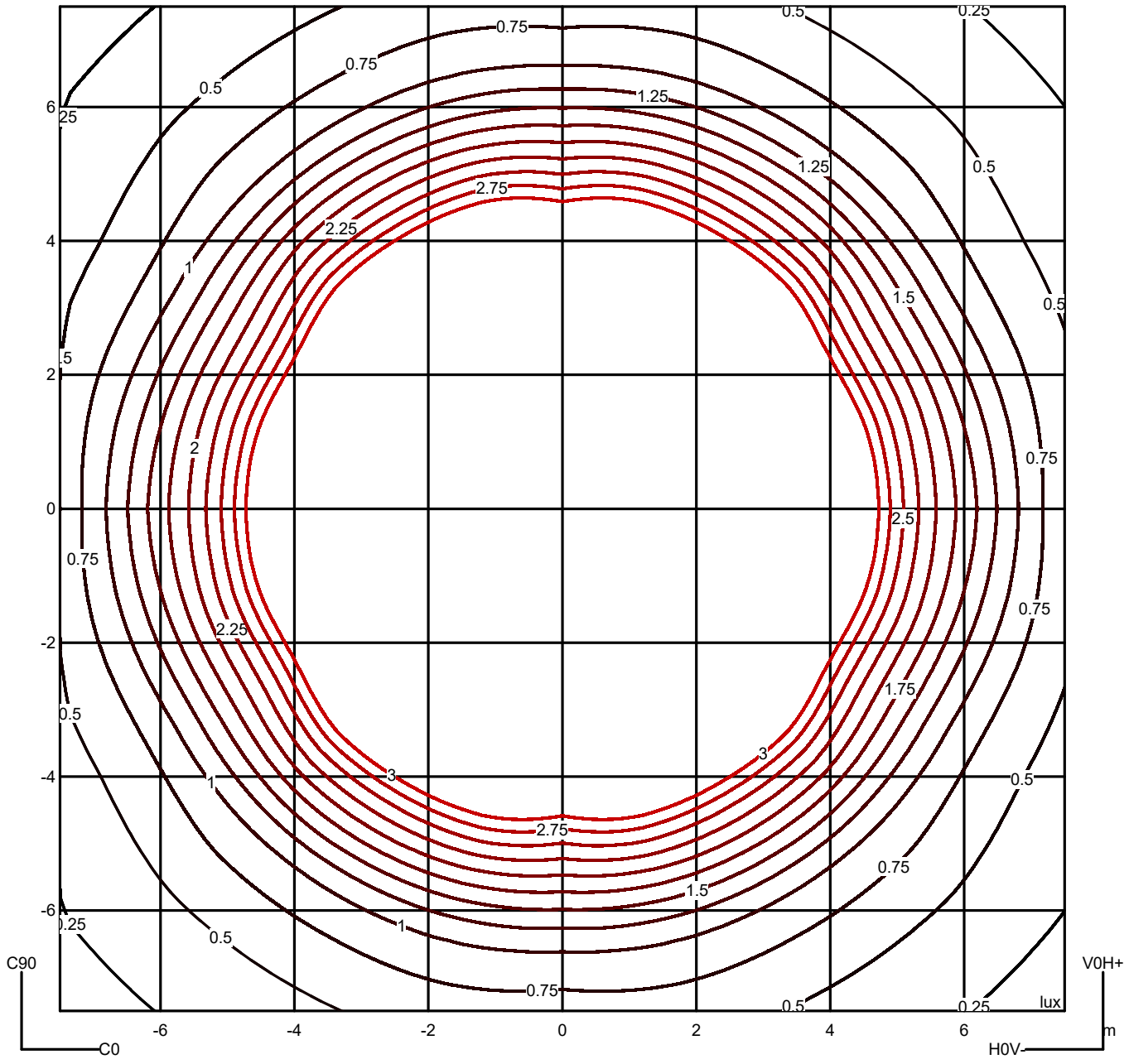
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.58	1.58	0.16 %	0.16 %
10°	4.62	6.20	0.46 %	0.62 %
15°	7.91	14.11	0.79 %	1.41 %
20°	12.79	26.90	1.28 %	2.69 %
25°	20.81	47.71	2.08 %	4.77 %
30°	32.25	79.96	3.23 %	8.00 %
35°	45.92	125.88	4.59 %	12.59 %
40°	56.16	182.04	5.62 %	18.20 %
45°	59.52	241.56	5.95 %	24.16 %
50°	63.26	304.82	6.33 %	30.48 %
55°	67.08	371.91	6.71 %	37.19 %
60°	69.59	441.49	6.96 %	44.15 %
65°	73.00	514.49	7.30 %	51.45 %
70°	69.56	584.05	6.96 %	58.41 %
75°	53.59	637.64	5.36 %	63.76 %
80°	43.33	680.98	4.33 %	68.10 %
85°	28.23	709.21	2.82 %	70.92 %
90°	17.20	726.40	1.72 %	72.64 %
95°	15.37	741.77	1.54 %	74.18 %
100°	14.99	756.76	1.50 %	75.68 %
105°	15.94	772.70	1.59 %	77.27 %
110°	17.81	790.51	1.78 %	79.05 %
115°	19.93	810.44	1.99 %	81.04 %
120°	21.49	831.93	2.15 %	83.19 %
125°	22.30	854.23	2.23 %	85.42 %
130°	22.42	876.65	2.24 %	87.66 %
135°	21.97	898.62	2.20 %	89.86 %
140°	20.72	919.34	2.07 %	91.93 %
145°	18.82	938.16	1.88 %	93.82 %
150°	16.76	954.92	1.68 %	95.49 %
155°	14.66	969.58	1.47 %	96.96 %
160°	12.15	981.73	1.22 %	98.17 %
165°	9.06	990.80	0.91 %	99.08 %
170°	5.74	996.53	0.57 %	99.65 %
175°	2.75	999.29	0.28 %	99.93 %
180°	0.71	1000.00	0.07 %	100.00 %

Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Isolux (Floor)

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



Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Spectral Data

Std.: No import standard

CIE1931	x =0.500889	y =0.412669
CIE1960	u =0.288271	v =0.356248
CIE1976	u'=0.288271	v'=0.534372
D(u,v)	0.00083	

Color rendering index (CRI)
Color Rendering Components

CCT = [2229 K]*

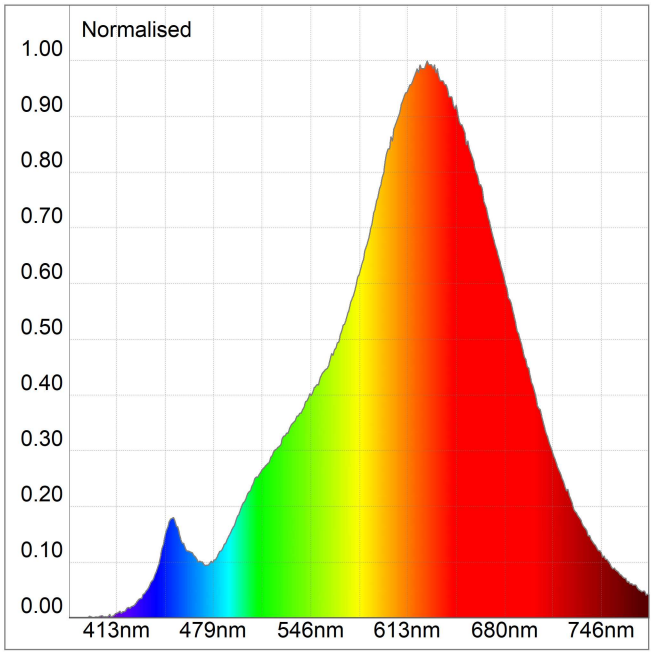
CRI8(Ra) [92.4]* CRI15(Rav) [90.7]*

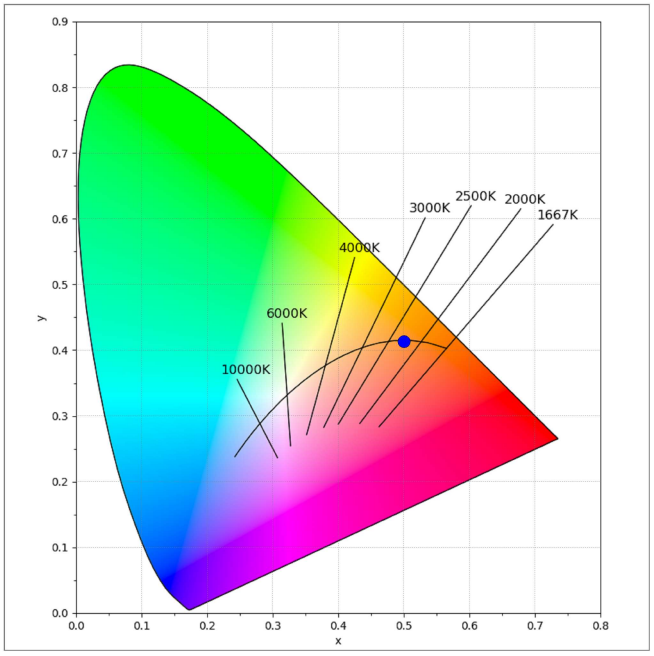
R 1: 93.0	R 2: 97.8	R 3: 97.9	R 4: 93.2	R 5: 93.7
R 6: 97.5	R 7: 88.8	R 8: 77.3	R 9: 54.8	R10: 94.7
R11: 96.1	R12: 94.4	R13: 94.6	R14: 99.5	R15: 87.3

Spectral Distribution

l(nm)	Normalised	l(nm)	Normalised	l(nm)	Normalised
380.0	0.000535	386.0	0.000241	392.0	0.000571
398.0	0.001396	404.0	0.001410	410.0	0.002971
416.0	0.007842	422.0	0.017266	428.0	0.032806
434.0	0.050432	440.0	0.082014	446.0	0.146043
452.0	0.179856	458.0	0.133813	464.0	0.117266
470.0	0.101439	476.0	0.094245	482.0	0.108633
488.0	0.133813	494.0	0.165468	500.0	0.205755
506.0	0.235971	512.0	0.260432	518.0	0.278417
524.0	0.305755	530.0	0.331655	536.0	0.353957
542.0	0.377698	548.0	0.404317	554.0	0.435252
560.0	0.464029	566.0	0.494964	572.0	0.545324
578.0	0.597842	584.0	0.659712	590.0	0.726619
596.0	0.791367	602.0	0.863309	608.0	0.906475
614.0	0.949640	620.0	0.985612	626.0	0.992806
632.0	0.992806	638.0	0.964029	644.0	0.935252
650.0	0.884892	656.0	0.841727	662.0	0.791367
668.0	0.733813	674.0	0.667626	680.0	0.611511
686.0	0.551799	692.0	0.491367	698.0	0.434532
704.0	0.375540	710.0	0.325180	716.0	0.278417
722.0	0.235252	728.0	0.194964	734.0	0.167626
740.0	0.140288	746.0	0.120144	752.0	0.100719
758.0	0.083453	764.0	0.070360	770.0	0.058273
776.0	0.047626				

Spectrum Graph

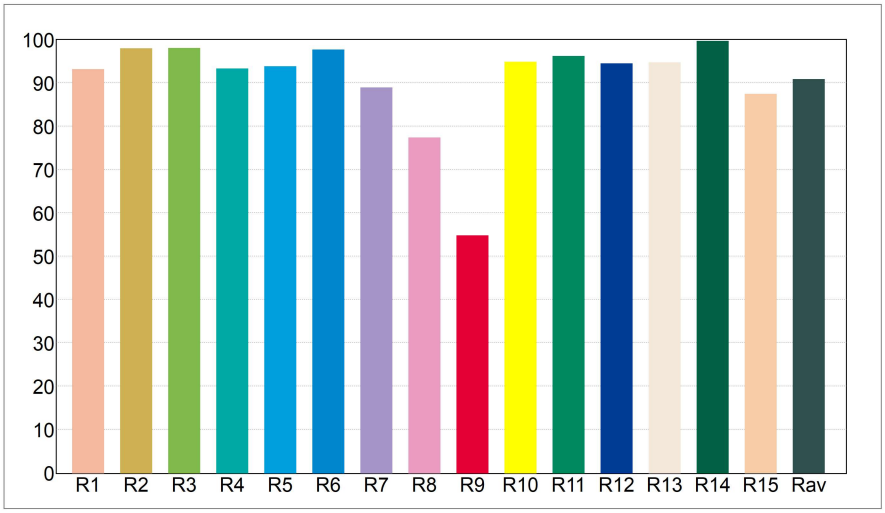


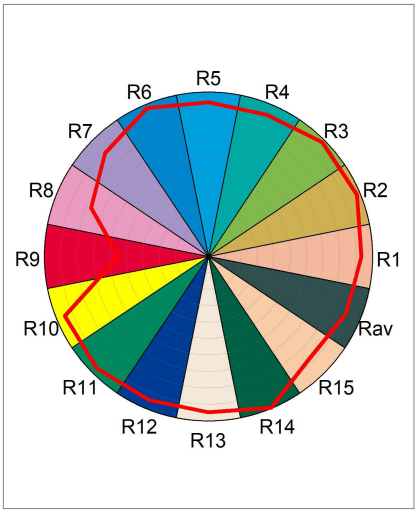


Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

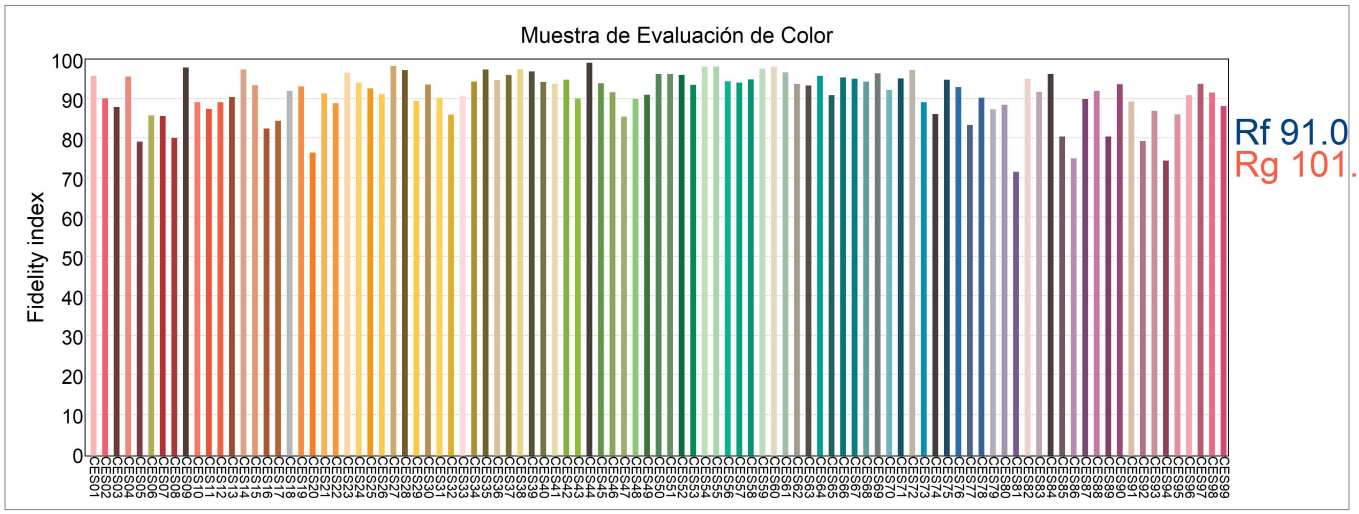
CRI Graphs



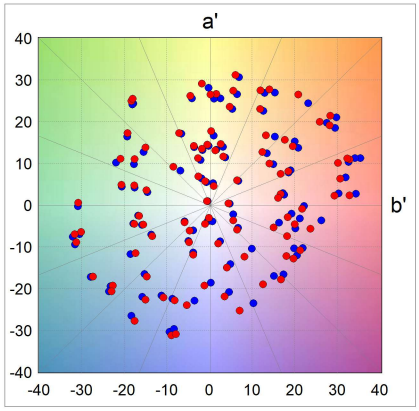


Luminaire
Code YUYUN_S5L_SIST_24VDC
Name YUYUN_S5L_SIST_24VDC
Measurem.
Code
Name YUYUN_S5L_SIST_24VDC

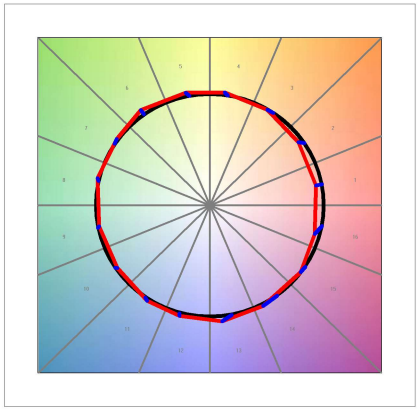
Luminaire Flux	1200 lm	Luminaire Power	36.0 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1200 lm	Maximum value	222.13 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical



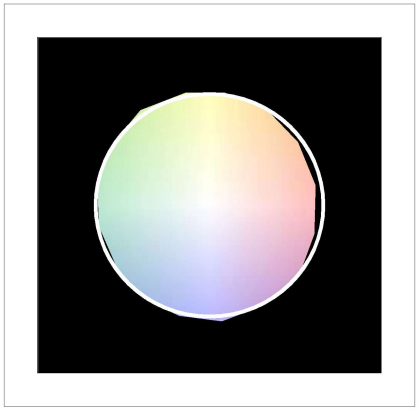
Chromatic Coordinates (a', b') 99 CES



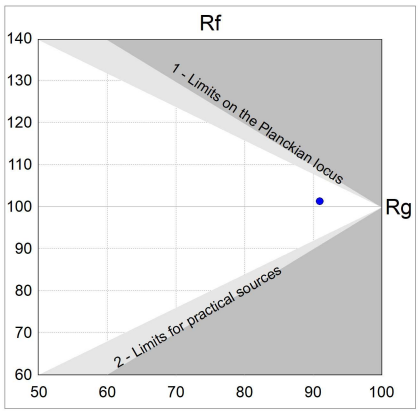
Color Vector Graphic



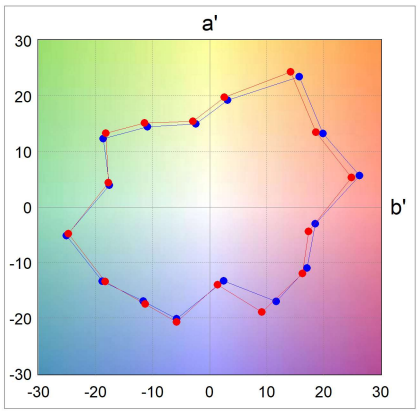
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

