Luminaire

Code	11722234356
Name	YUYUN_S9L_SIST_24VDC
Line	

Measurem.

Code	
Name	YUYUN_S9L_SIST_24VDC

Source Data

Code	JB2835BWT-G-U22EA0000 JB2835BWT-G-U27EA0004	Estimated 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	2159.7 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	64.80 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

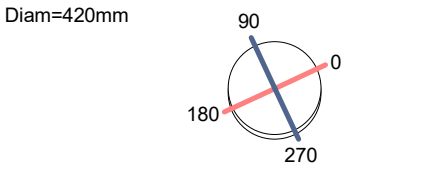
Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	40.2 %		

Luminaire Dimensions

Round Luminaire	Diam.	420 mm	Height	1620 mm	
Round Luminous Area	Diam.	420 mm	Height	1620 mm	
Horizontal Luminous Area	0.138544 m2		Emitting area on Plane 180°	0.680400 m2	
Emitting area on Plane 0°	0.680400 m2		Emitting area on Plane 270°	0.680400 m2	
Emitting area on Plane 90°	0.680400 m2		Glare area at 76°	0.693706 m2	

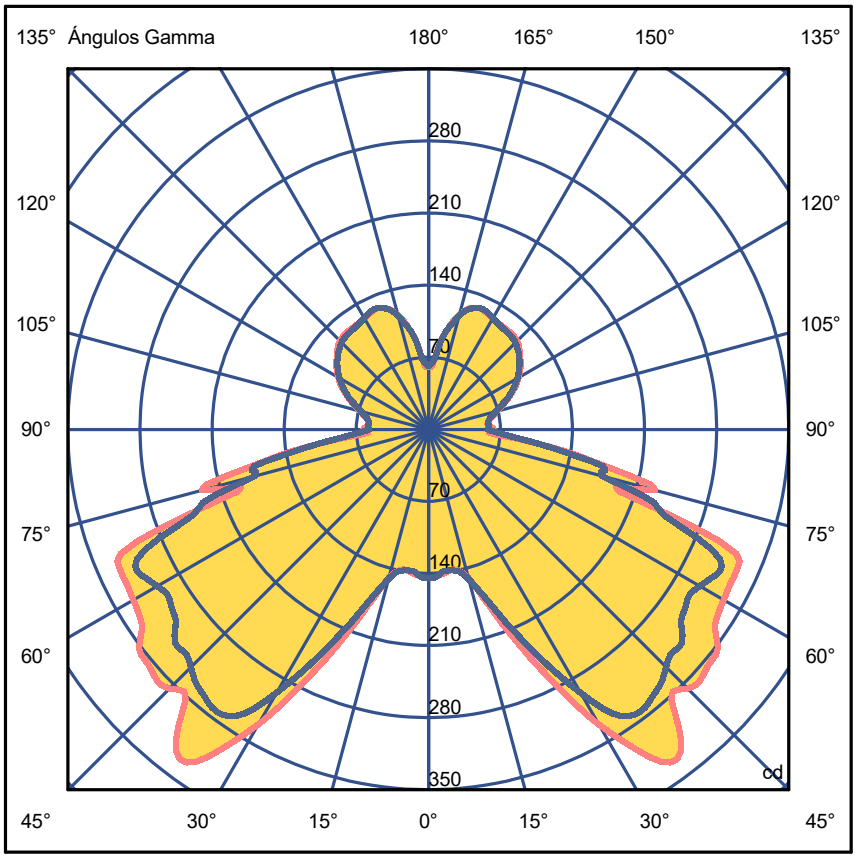
Photometric Assessment

Luminaire Flux	2159.6 lm	Source Flux	2159.6 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
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Name YUYUN_S9L_SIST_24VDC
Measurem.
Code
Name YUYUN_S9L_SIST_24VDC

Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

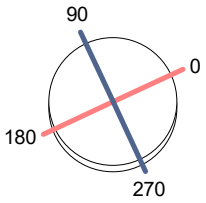
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	145	145	145	145	145	145	145
G 2.5	144	142	142	143	144	144	144
G 5.0	142	141	141	140	141	140	140
G 7.5	139	139	140	139	139	139	138
G 10.0	138	139	139	140	140	139	139
G 12.5	141	141	141	144	145	144	142
G 15.0	149	147	148	153	154	153	150
G 17.5	167	161	160	168	169	169	165
G 20.0	192	182	178	189	190	192	184
G 22.5	222	207	202	214	217	219	208
G 25.0	256	238	229	243	249	250	235
G 27.5	293	270	260	274	282	281	265
G 30.0	331	304	292	305	315	313	295
G 32.5	364	338	322	336	346	343	325
G 35.0	394	368	344	360	367	363	340
G 37.5	400	377	351	366	373	367	343
G 40.0	379	359	338	359	368	364	339
G 42.5	349	338	320	351	363	362	334
G 45.0	356	338	314	344	353	346	326
G 47.5	359	336	310	346	350	342	321
G 50.0	355	332	315	347	349	347	322
G 52.5	354	334	317	342	339	335	309
G 55.0	340	327	309	341	337	335	304
G 57.5	334	323	307	335	332	331	300
G 60.0	331	323	308	332	330	331	304
G 62.5	329	324	309	331	329	332	311
G 65.0	329	325	310	330	330	330	315
G 67.5	328	312	294	305	305	301	292
G 70.0	269	261	244	254	253	253	244
G 72.5	188	209	211	237	236	239	224
G 75.0	228	201	175	181	181	178	174
G 77.5	191	193	176	182	183	182	176
G 80.0	148	151	139	148	149	149	142
G 82.5	109	113	105	113	113	112	108
G 85.0	73	77	75	83	84	86	81
G 87.5	58	63	62	65	67	71	67
G 90.0	63	66	62	59	59	58	58
G 92.5	60	65	63	60	61	60	59
G 95.0	57	62	60	58	59	58	58
G 97.5	59	61	59	59	59	58	58
G100.0	61	63	61	61	61	60	61
G102.5	65	65	64	64	64	63	63
G105.0	69	69	68	69	68	68	68
G107.5	75	74	73	73	73	73	73
G110.0	80	81	79	79	79	79	79
G112.5	86	86	85	85	85	85	85
G115.0	91	91	90	90	90	90	90
G117.5	97	96	96	95	95	95	95
G120.0	101	101	100	100	100	100	100
G122.5	105	105	104	104	104	104	104
G125.0	109	109	108	108	108	108	108
G127.5	112	112	111	111	111	111	111
G130.0	116	116	115	114	114	114	115
G132.5	119	119	118	117	117	117	117
G135.0	122	121	120	119	119	119	119
G137.5	123	122	121	121	121	120	121
G140.0	123	122	121	121	122	121	121
G142.5	123	122	121	122	122	122	122
G145.0	123	122	122	122	122	122	122
G147.5	123	122	122	123	123	123	123
G150.0	125	123	123	124	124	125	125
G152.5	126	125	124	124	126	127	127
G155.0	127	125	125	125	126	127	128
G157.5	127	125	124	124	125	127	128
G160.0	126	123	122	122	123	124	125
G162.5	121	120	118	118	118	120	121
G165.0	115	113	112	112	112	113	114
G167.5	106	104	104	104	104	105	105
G170.0	96	95	94	94	94	95	96
G172.5	84	83	82	82	82	84	83
G175.0	69	67	67	68	69	68	69
G177.5	61	60	61	62	64	65	65
G180.0	61	61	61	61	61	61	61

Luminaire
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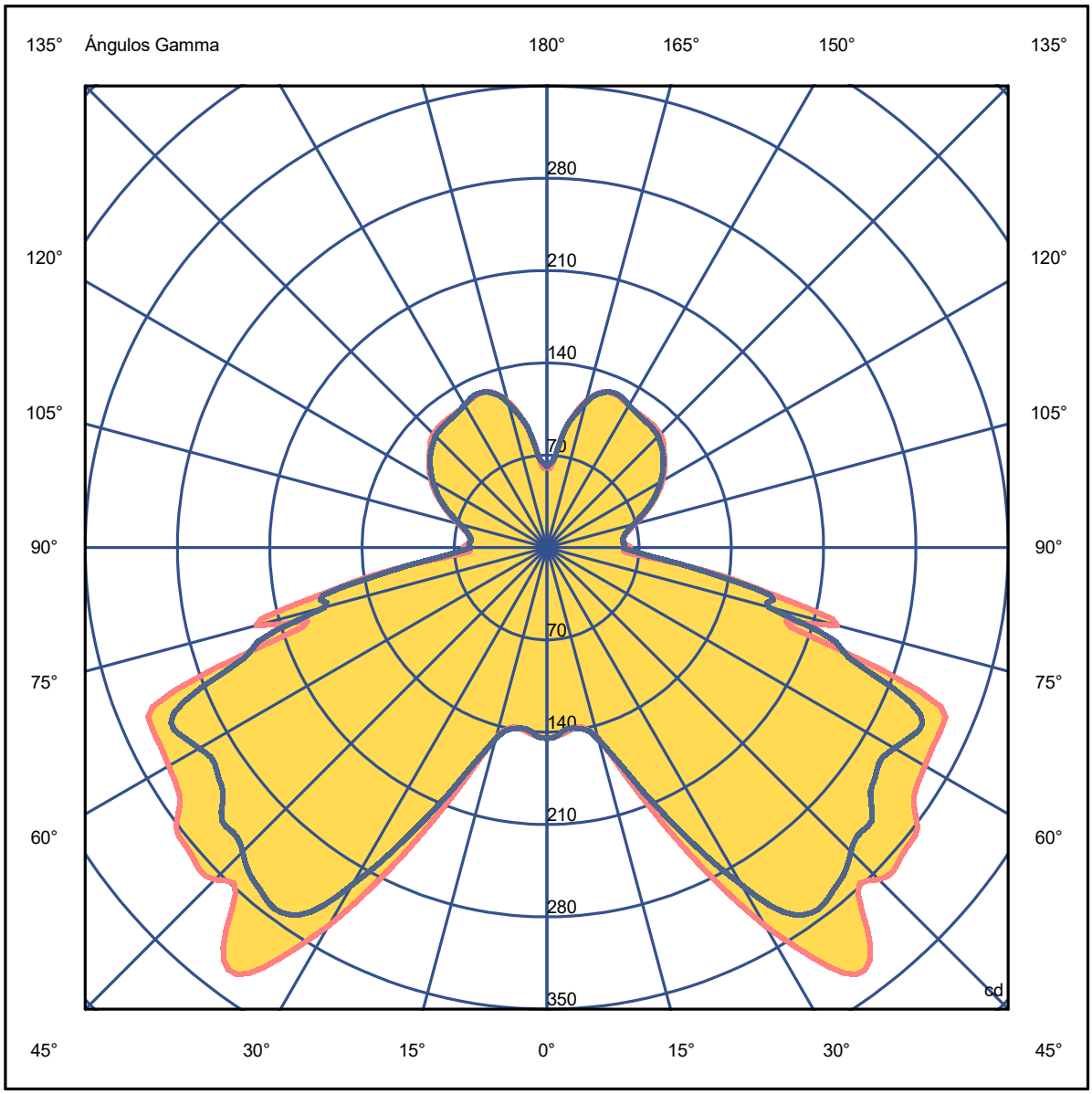
Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C

180.0 0.0
270.0 90.0



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Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 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	9.3	10.4	9.9	11.1	11.9	9.4	10.6	10.1	11.3	12.0
x=2H y=3H	11.2	12.2	11.9	12.9	13.8	11.2	12.2	11.9	12.9	13.8
x=2H y=4H	11.7	12.7	12.4	13.4	14.3	11.7	12.7	12.4	13.4	14.3
x=2H y=6H	12.2	13.1	12.9	13.9	14.7	12.1	13.0	12.8	13.7	14.6
x=2H y=8H	12.3	13.2	13.0	13.9	14.8	12.2	13.1	12.9	13.8	14.7
x=2H y=12H	12.3	13.2	13.1	13.9	14.8	12.2	13.1	13.0	13.8	14.7
x=4H y=2H	10.0	11.0	10.7	11.7	12.6	10.1	11.1	10.8	11.9	12.7
x=4H y=3H	11.9	12.8	12.7	13.5	14.4	12.0	12.8	12.7	13.6	14.5
x=4H y=4H	12.6	13.3	13.3	14.1	15.0	12.6	13.4	13.3	14.1	15.0
x=4H y=6H	13.2	13.8	13.9	14.6	15.6	13.1	13.8	13.9	14.6	15.5
x=4H y=8H	13.3	13.9	14.1	14.7	15.7	13.3	13.9	14.1	14.7	15.6
x=4H y=12H	13.4	13.9	14.2	14.7	15.7	13.3	13.9	14.1	14.7	15.7
x=8H y=4H	12.8	13.4	13.6	14.2	15.1	12.8	13.4	13.6	14.2	15.2
x=8H y=6H	13.5	14.0	14.3	14.8	15.8	13.5	14.0	14.3	14.8	15.8
x=8H y=8H	13.7	14.2	14.5	15.0	16.0	13.7	14.1	14.5	15.0	16.0
x=8H y=12H	13.8	14.2	14.7	15.1	16.1	13.8	14.2	14.7	15.1	16.1
x=12H y=4H	12.8	13.3	13.6	14.1	15.1	12.8	13.3	13.6	14.1	15.1
x=12H y=6H	13.5	14.0	14.4	14.8	15.8	13.5	13.9	14.3	14.8	15.8
x=12H y=8H	13.8	14.2	14.6	15.0	16.0	13.7	14.1	14.6	15.0	16.0

Luminaire
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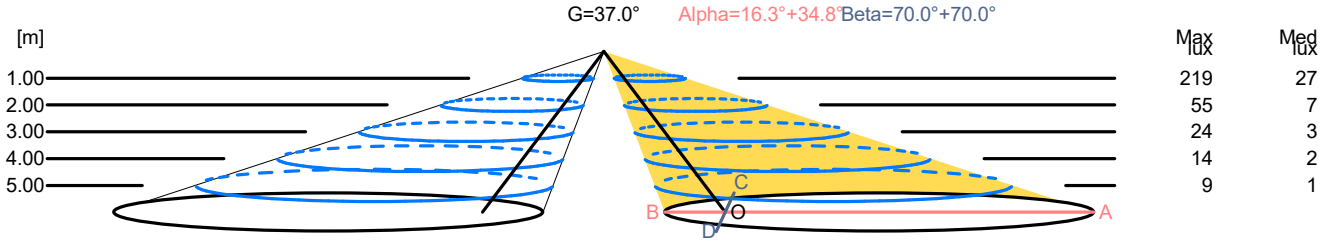
Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

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	144.74	141.53	149.31	255.85	394.01	356.03	339.85	329.30	228.15	72.70
OB	144.74	141.53	149.31	255.85	394.01	356.03	339.85	329.30	228.15	72.70
OC	144.74	139.77	150.36	234.73	339.69	326.30	304.04	314.50	174.22	81.20
OD	144.74	139.77	150.36	234.73	339.69	326.30	304.04	314.50	174.22	81.20



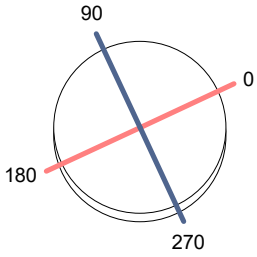
H[m]	D[m]	Max lux	Med lux	Alpha=16.3°+34.8° G=37.0
1.00	2.67	219	27	
2.00	5.33	55	7	
3.00	8.00	24	3	
4.00	10.67	14	2	
5.00	13.34	9	1	

H[m]	D[m]	Max lux	Med lux	Beta=70.0°+70.0° G=0.0
1.00	6.87	219	27	
2.00	13.73	55	7	
3.00	20.60	24	3	
4.00	27.46	14	2	
5.00	34.33	9	1	

Luminaire
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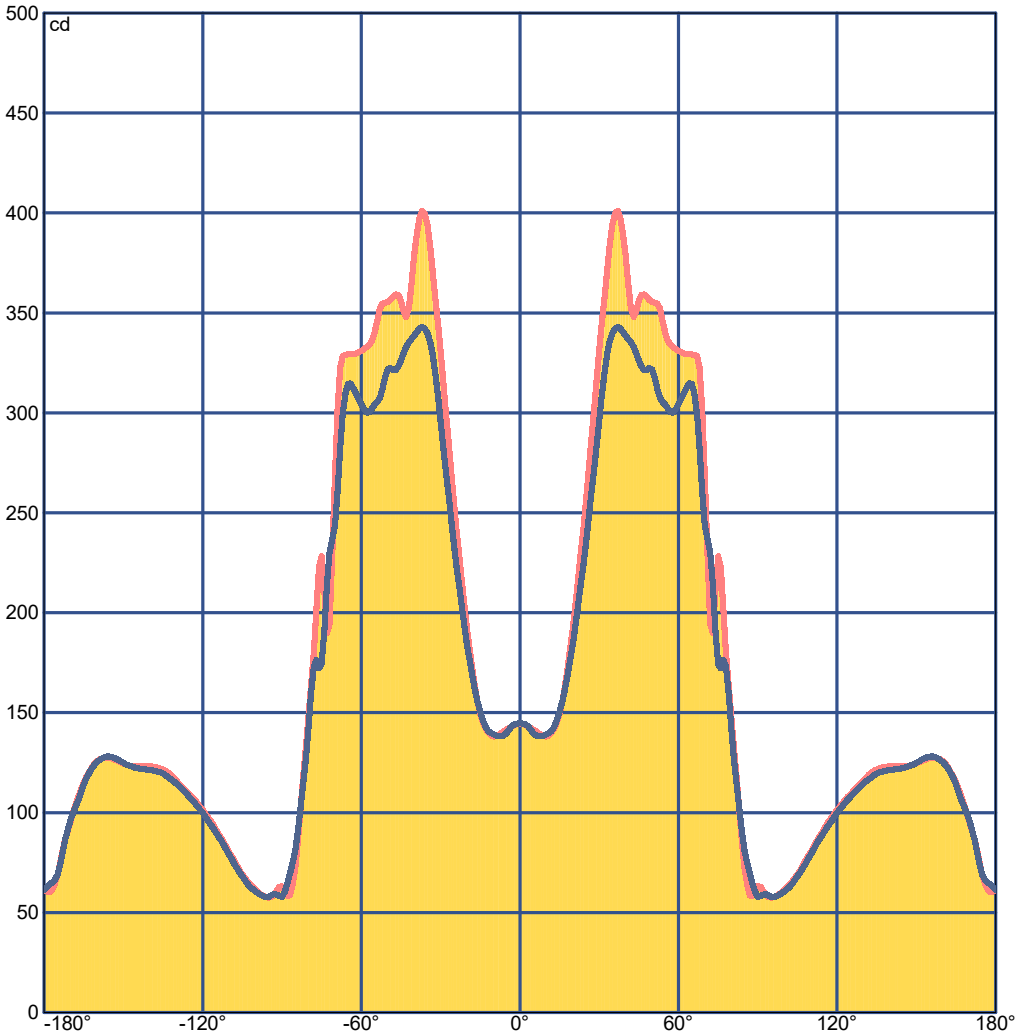
Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C





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Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Flujo Total=2159.64 Flujo Luminaria=2159.64

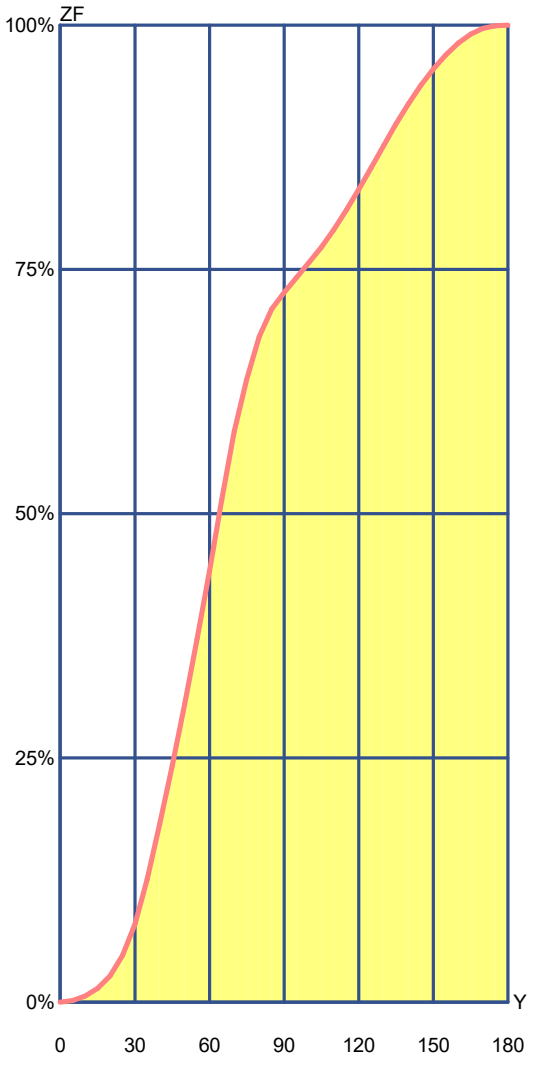
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.24	0.31	0.38	0.44	0.54	0.61	0.66	0.73	0.78	0.88	0.94
RC	9	8	8	8	8	8	7	7	7	7	7	7

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 %



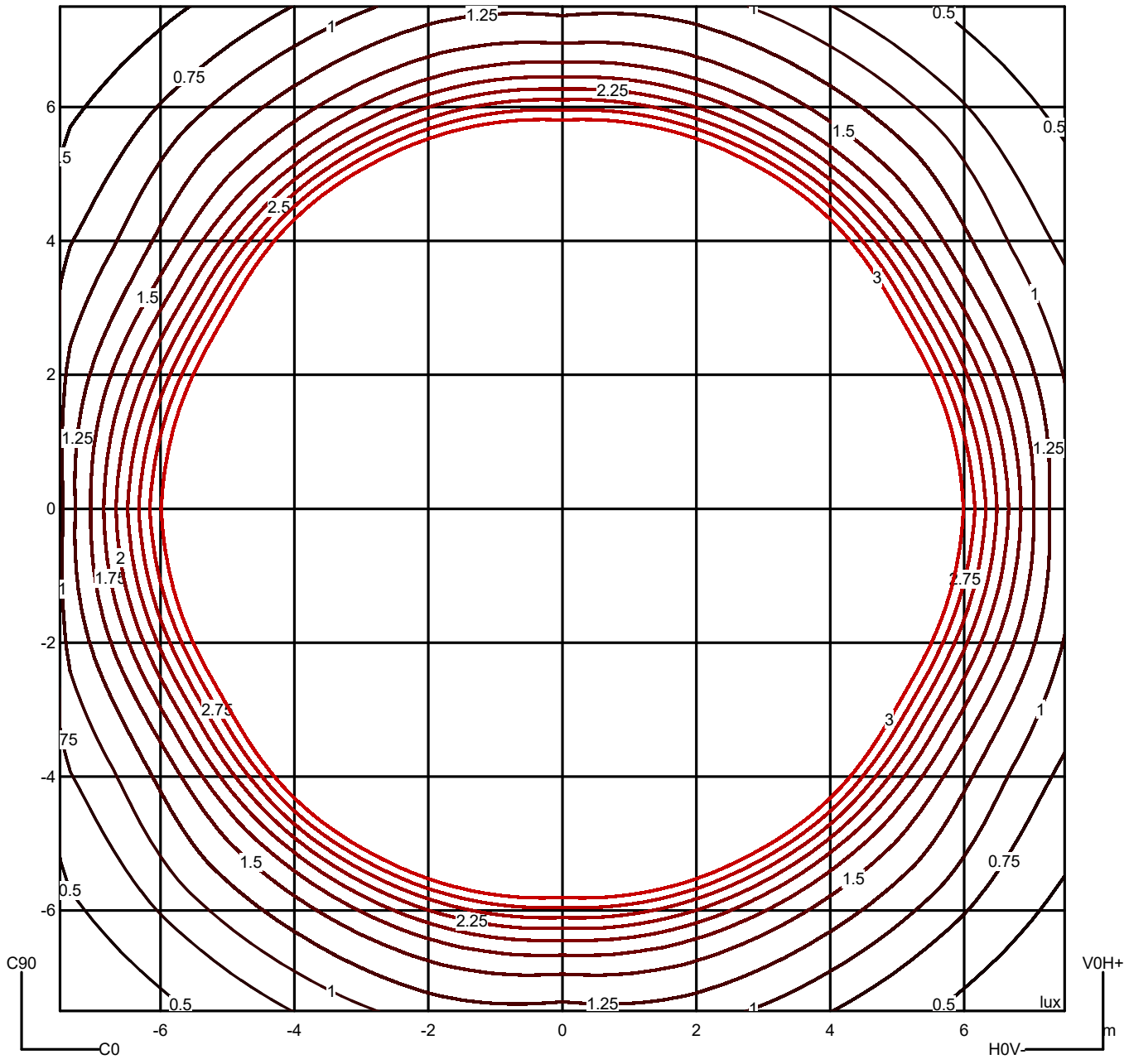
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.58	1.58	0.16 %	0.16 %
10°	4.62	6.20	0.46 %	0.62 %
15°	7.91	14.11	0.79 %	1.41 %
20°	12.79	26.90	1.28 %	2.69 %
25°	20.81	47.71	2.08 %	4.77 %
30°	32.25	79.96	3.23 %	8.00 %
35°	45.92	125.88	4.59 %	12.59 %
40°	56.16	182.04	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 %

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Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Isolux (Floor)

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



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Source Flux	2160 lm	Maximum value	399.84 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]*

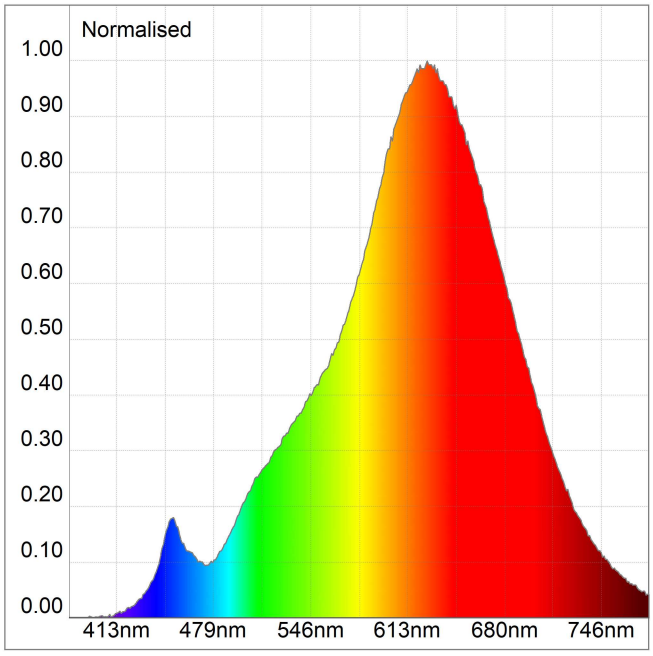
CRI8(Ra) [92.4]* CRI15(Rav) [90.7]*

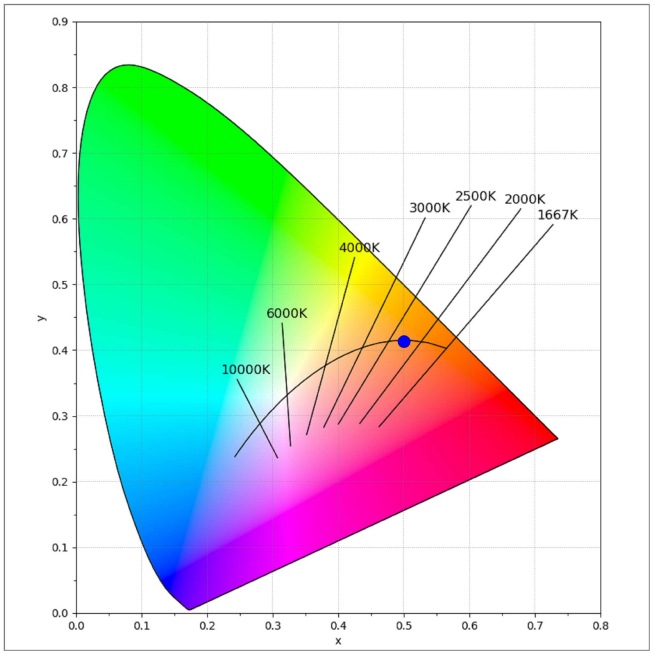
R 1: 93.0	R 2: 97.8	R 3: 97.9	R 4: 93.2	R 5: 93.7
R 6: 97.5	R 7: 88.8	R 8: 77.3	R 9: 54.8	R10: 94.7
R11: 96.1	R12: 94.4	R13: 94.6	R14: 99.5	R15: 87.3

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

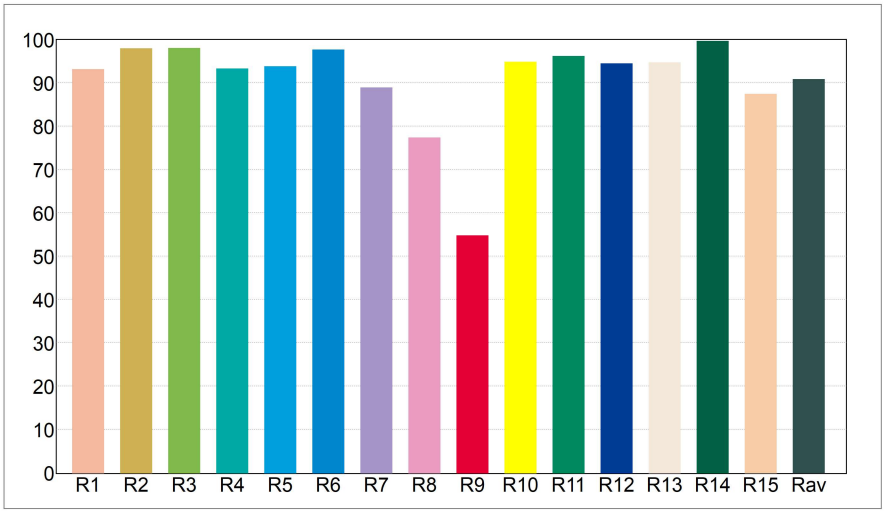


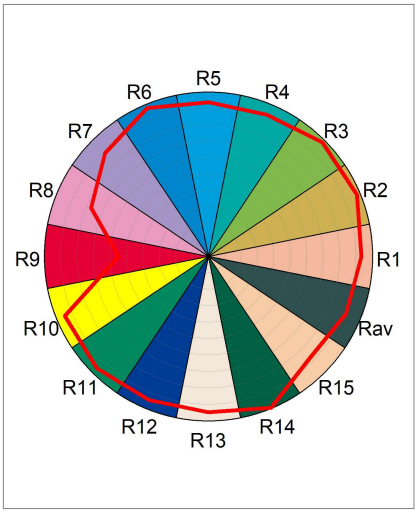


Luminaire
Code 11722234356
Name YUYUN_S9L_SIST_24VDC
Measurem.
Code
Name YUYUN_S9L_SIST_24VDC

Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

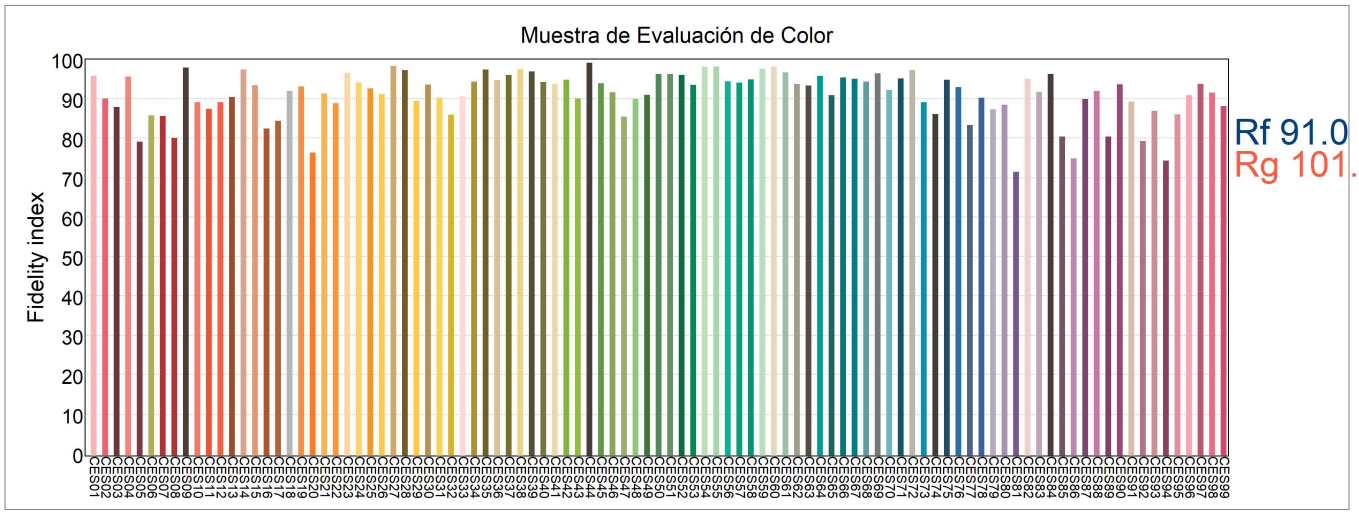
CRI Graphs



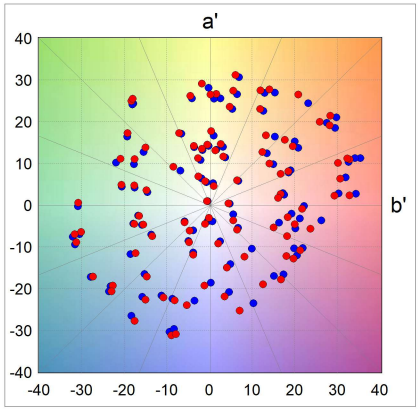


Luminaire
Code 11722234356
Name YUYUN_S9L_SIST_24VDC
Measurem.
Code
Name YUYUN_S9L_SIST_24VDC

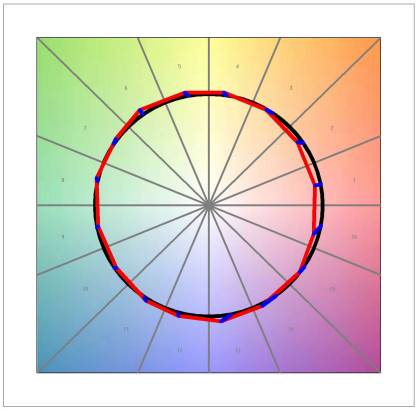
Luminaire Flux	2160 lm	Luminaire Power	64.8 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	2160 lm	Maximum value	399.84 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical



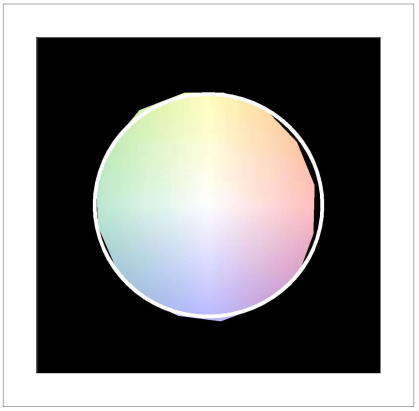
Chromatic Coordinates (a', b') 99 CES



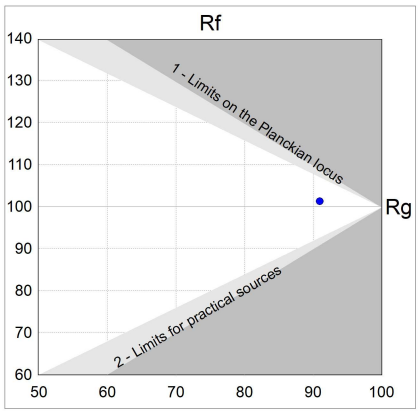
Color Vector Graphic



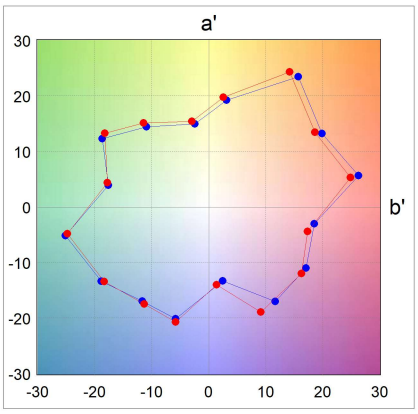
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

