Luminaire

Code	11721234356
Name	YUYUN_S7L_SIST_24VDC
Line	

Measurem.

Code	
Name	YUYUN_S7L_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	1679.7 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	50.40 W	Power	0.00 W
Frequency	0 Hz	Frequency	0 Hz
Power Factor	0.00	Power Factor	0.00

Environmental Parameters

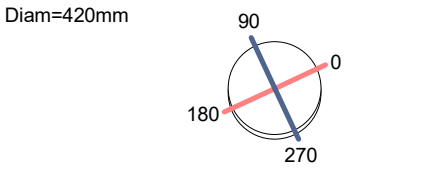
Temperature	24.3 °C	Air Speed	0.0 m/s
Humidity	40.2 %		

Luminaire Dimensions

Round Luminaire	Diam.	420 mm	Height	1260 mm	
Round Luminous Area	Diam.	420 mm	Height	1260 mm	
Horizontal Luminous Area	0.138544 m2		Emitting area on Plane 180°		0.529200 m2
Emitting area on Plane 0°	0.529200 m2		Emitting area on Plane 270°		0.529200 m2
Emitting area on Plane 90°	0.529200 m2		Glare area at 76°		0.546997 m2

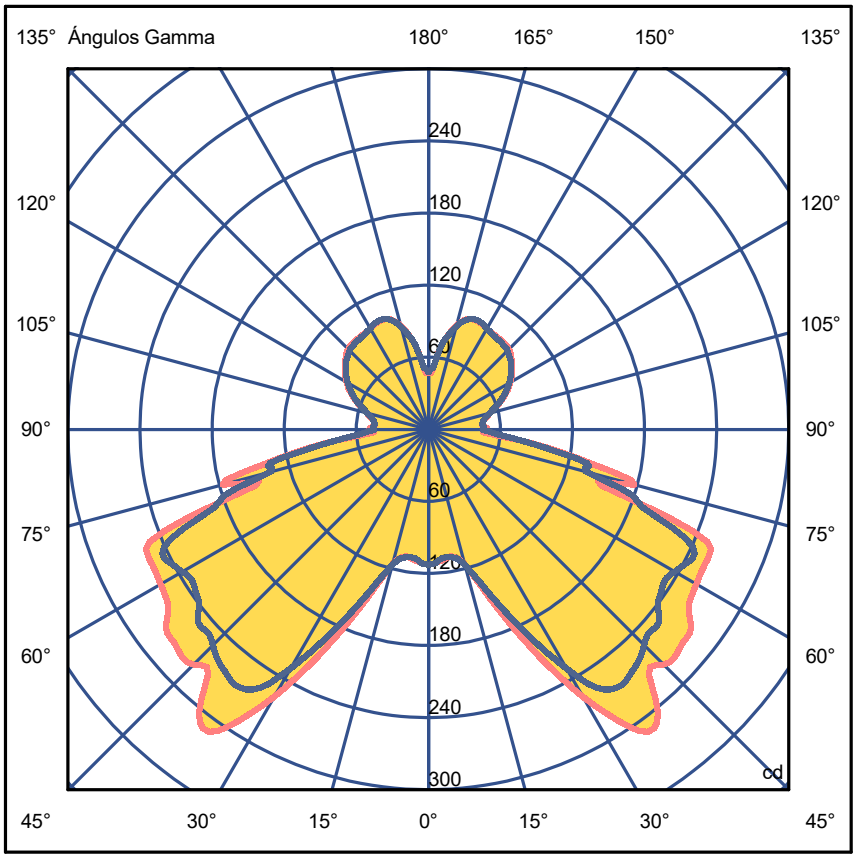
Photometric Assessment

Luminaire Flux	1679.7 lm	Source Flux	1679.7 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 11721234356
Name YUYUN_S7L_SIST_24VDC
Measurem.
Code
Name YUYUN_S7L_SIST_24VDC

Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

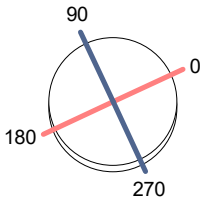
Luminous Intensity Table cd **Table 1/1**

	C 0.00	C 15.00	C 30.00	C 45.00	C 60.00	C 75.00	C 90.00
G 0.0	113	113	113	113	113	113	113
G 2.5	112	111	111	112	112	112	112
G 5.0	110	110	109	109	109	109	109
G 7.5	108	108	109	108	108	108	107
G 10.0	107	108	108	109	109	108	108
G 12.5	110	109	110	112	112	112	110
G 15.0	116	115	115	119	120	119	117
G 17.5	130	125	124	131	131	132	128
G 20.0	150	141	138	147	148	149	143
G 22.5	173	161	157	167	169	170	162
G 25.0	199	185	178	189	193	194	183
G 27.5	228	210	202	213	219	219	206
G 30.0	257	236	227	237	245	243	230
G 32.5	283	263	250	262	269	267	253
G 35.0	306	286	268	280	285	282	264
G 37.5	311	293	273	285	290	285	267
G 40.0	294	280	263	279	286	283	263
G 42.5	272	263	249	273	282	281	260
G 45.0	277	263	244	268	275	269	254
G 47.5	279	261	241	269	272	266	250
G 50.0	276	258	245	270	272	270	250
G 52.5	276	260	246	266	263	260	241
G 55.0	264	254	241	265	262	261	236
G 57.5	259	251	238	261	258	257	233
G 60.0	257	252	240	258	257	257	237
G 62.5	256	252	241	257	256	258	242
G 65.0	256	253	241	257	257	257	245
G 67.5	255	243	228	237	238	234	227
G 70.0	209	203	190	197	197	197	190
G 72.5	146	163	164	184	184	186	174
G 75.0	177	156	136	141	141	139	136
G 77.5	148	150	137	141	143	141	137
G 80.0	115	118	108	115	116	116	111
G 82.5	85	88	82	88	88	87	84
G 85.0	57	60	58	64	66	67	63
G 87.5	45	49	48	51	52	55	52
G 90.0	49	52	48	46	46	45	45
G 92.5	46	51	49	47	47	47	46
G 95.0	45	48	47	45	46	45	45
G 97.5	46	48	46	46	46	45	45
G100.0	48	49	47	48	47	47	47
G102.5	50	51	50	50	49	49	49
G105.0	54	54	53	53	53	53	53
G107.5	58	58	57	57	57	56	57
G110.0	62	63	61	62	62	61	61
G112.5	67	67	66	66	66	66	66
G115.0	71	71	70	70	70	70	70
G117.5	75	75	74	74	74	74	74
G120.0	79	78	78	78	78	78	78
G122.5	82	81	81	81	81	81	81
G125.0	85	85	84	84	84	84	84
G127.5	87	87	87	86	86	86	87
G130.0	90	90	89	89	89	89	89
G132.5	93	92	92	91	91	91	91
G135.0	95	94	93	93	93	93	93
G137.5	95	95	94	94	94	94	94
G140.0	96	95	94	94	95	94	94
G142.5	96	95	94	95	95	95	95
G145.0	96	95	95	95	95	95	95
G147.5	96	95	95	95	96	96	96
G150.0	97	96	96	96	96	97	97
G152.5	98	97	97	97	98	98	99
G155.0	99	98	97	97	98	99	100
G157.5	99	97	96	97	98	99	99
G160.0	98	96	95	95	95	96	97
G162.5	94	93	92	91	92	93	94
G165.0	89	88	87	87	87	88	89
G167.5	83	81	81	81	81	82	81
G170.0	74	74	73	73	73	74	75
G172.5	65	64	64	64	64	65	65
G175.0	53	52	52	53	54	53	54
G177.5	47	47	48	49	50	50	50
G180.0	48	48	48	48	48	48	48

Luminaire
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Measurem.
Code
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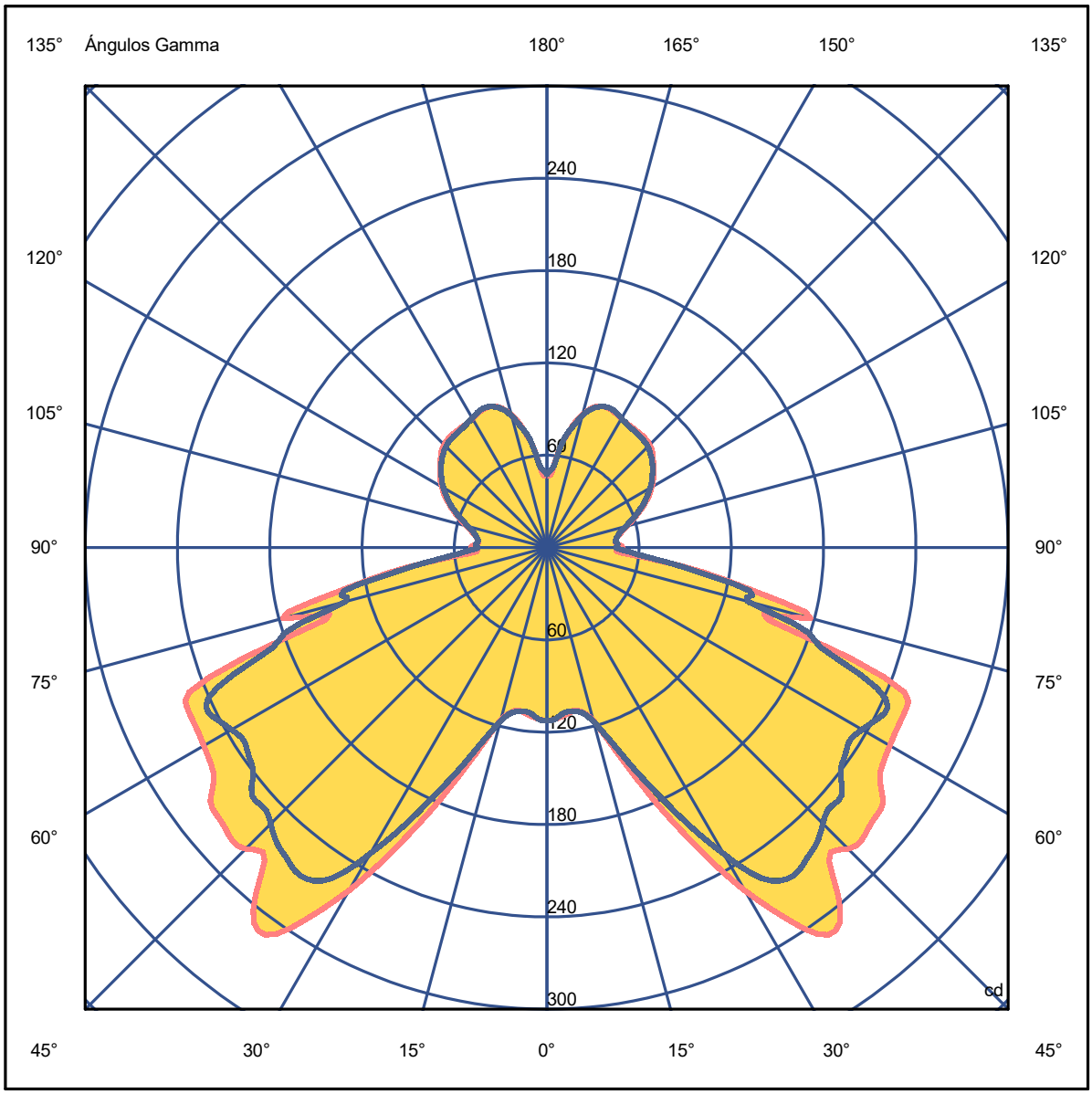
Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C

180.0 0.0
270.0 90.0



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Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 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	9.1	10.3	9.8	11.0	11.8	9.3	10.5	9.9	11.1	11.9
x=2H y=3H	11.1	12.1	11.8	12.8	13.7	11.1	12.1	11.8	12.8	13.7
x=2H y=4H	11.6	12.6	12.3	13.4	14.2	11.6	12.6	12.3	13.3	14.2
x=2H y=6H	12.1	13.0	12.8	13.8	14.6	12.0	12.9	12.7	13.7	14.5
x=2H y=8H	12.2	13.1	12.9	13.8	14.7	12.1	13.0	12.8	13.7	14.6
x=2H y=12H	12.3	13.1	13.0	13.8	14.7	12.2	13.0	12.9	13.7	14.6
x=4H y=2H	9.9	10.9	10.6	11.6	12.5	10.0	11.0	10.7	11.7	12.6
x=4H y=3H	11.8	12.7	12.6	13.4	14.3	11.9	12.8	12.6	13.5	14.4
x=4H y=4H	12.5	13.3	13.2	14.0	14.9	12.5	13.3	13.3	14.0	14.9
x=4H y=6H	13.1	13.8	13.9	14.5	15.5	13.0	13.7	13.8	14.5	15.4
x=4H y=8H	13.3	13.9	14.0	14.7	15.6	13.2	13.8	14.0	14.6	15.6
x=4H y=12H	13.3	13.9	14.1	14.7	15.6	13.3	13.8	14.1	14.6	15.6
x=8H y=4H	12.7	13.3	13.5	14.1	15.1	12.7	13.3	13.5	14.1	15.1
x=8H y=6H	13.4	13.9	14.2	14.7	15.7	13.4	13.9	14.2	14.7	15.7
x=8H y=8H	13.6	14.1	14.5	14.9	15.9	13.6	14.1	14.4	14.9	15.9
x=8H y=12H	13.8	14.2	14.6	15.0	16.0	13.8	14.1	14.6	15.0	16.0
x=12H y=4H	12.7	13.3	13.5	14.1	15.0	12.7	13.3	13.5	14.1	15.0
x=12H y=6H	13.5	13.9	14.3	14.7	15.7	13.4	13.9	14.3	14.7	15.7
x=12H y=8H	13.7	14.1	14.5	14.9	16.0	13.7	14.1	14.5	14.9	15.9

Luminaire
Code 11721234356
Name YUYUN_S7L_SIST_24VDC
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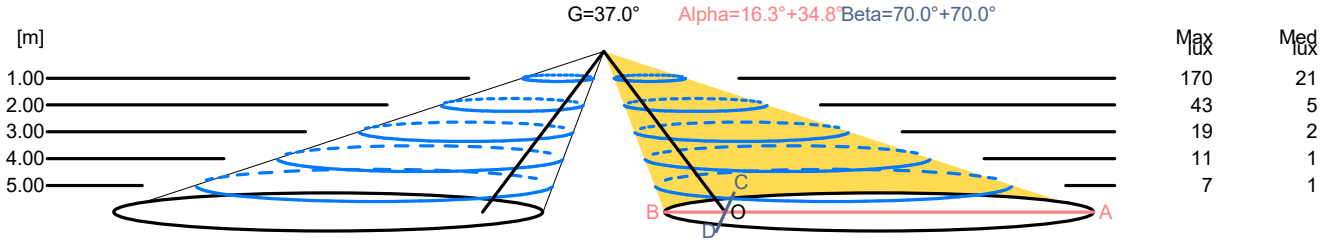
Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

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	112.58	110.08	116.13	199.00	306.46	276.91	264.33	256.12	177.45	56.55
OB	112.58	110.08	116.13	199.00	306.46	276.91	264.33	256.12	177.45	56.55
OC	112.58	108.71	116.95	182.57	264.20	253.79	236.47	244.61	135.50	63.15
OD	112.58	108.71	116.95	182.57	264.20	253.79	236.47	244.61	135.50	63.15



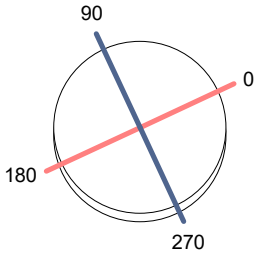
H[m]	D[m]	Max lux	Med lux	Alpha=16.3°+34.8° G=37.0
1.00	2.67	170	21	
2.00	5.33	43	5	
3.00	8.00	19	2	
4.00	10.67	11	1	
5.00	13.34	7	1	

H[m]	D[m]	Max lux	Med lux	Beta=70.0°+70.0° G=0.0
1.00	6.87	170	21	
2.00	13.73	43	5	
3.00	20.60	19	2	
4.00	27.46	11	1	
5.00	34.33	7	1	

Luminaire
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Measurem.
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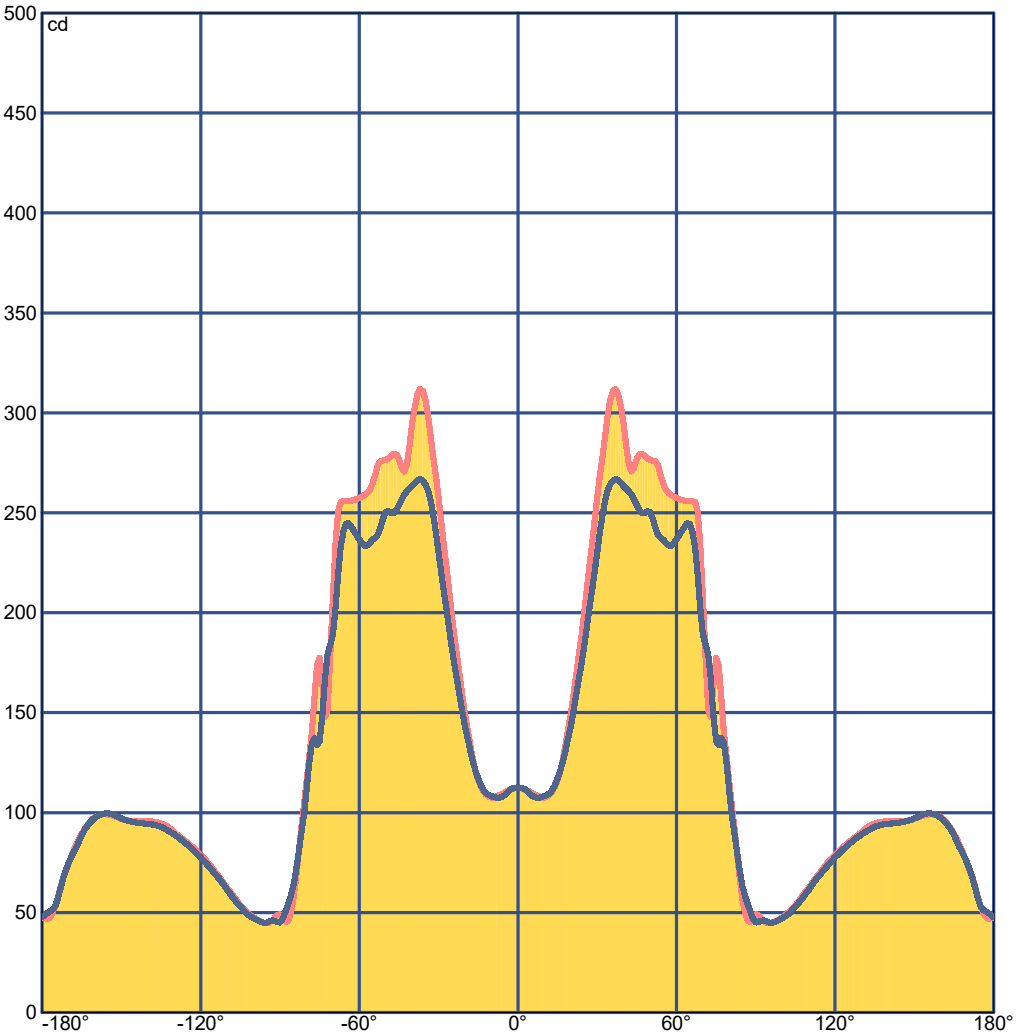
Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Diam=420mm



Semiplanos C





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Code
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Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

Flujo Total=1679.72 Flujo Luminaria=1679.72

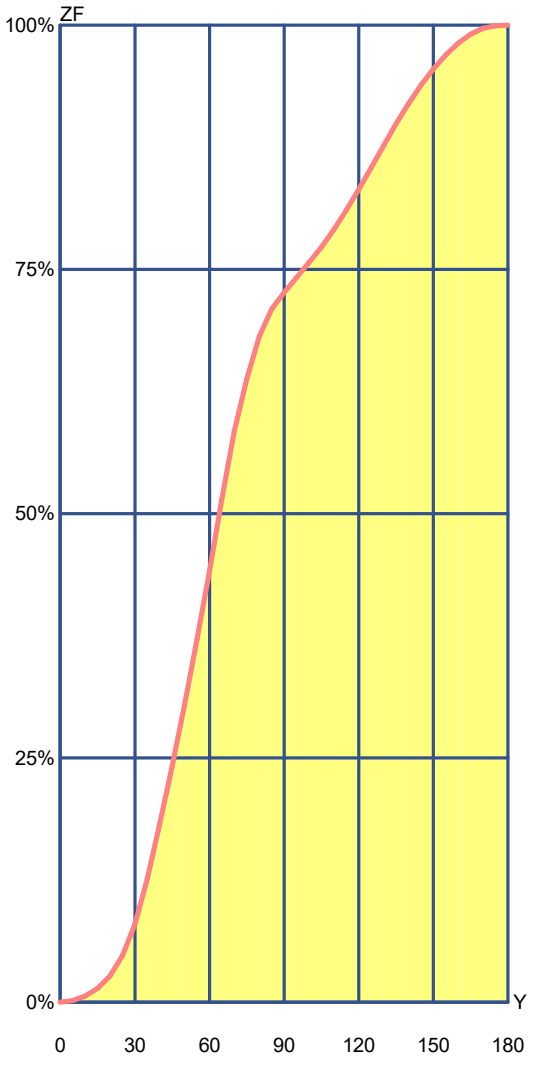
RI	0.60	0.80	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	10.00	20.00
DRR	0.17	0.24	0.31	0.38	0.44	0.54	0.61	0.66	0.73	0.78	0.88	0.94
RC	9	8	8	8	8	8	7	7	7	7	7	7

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 %



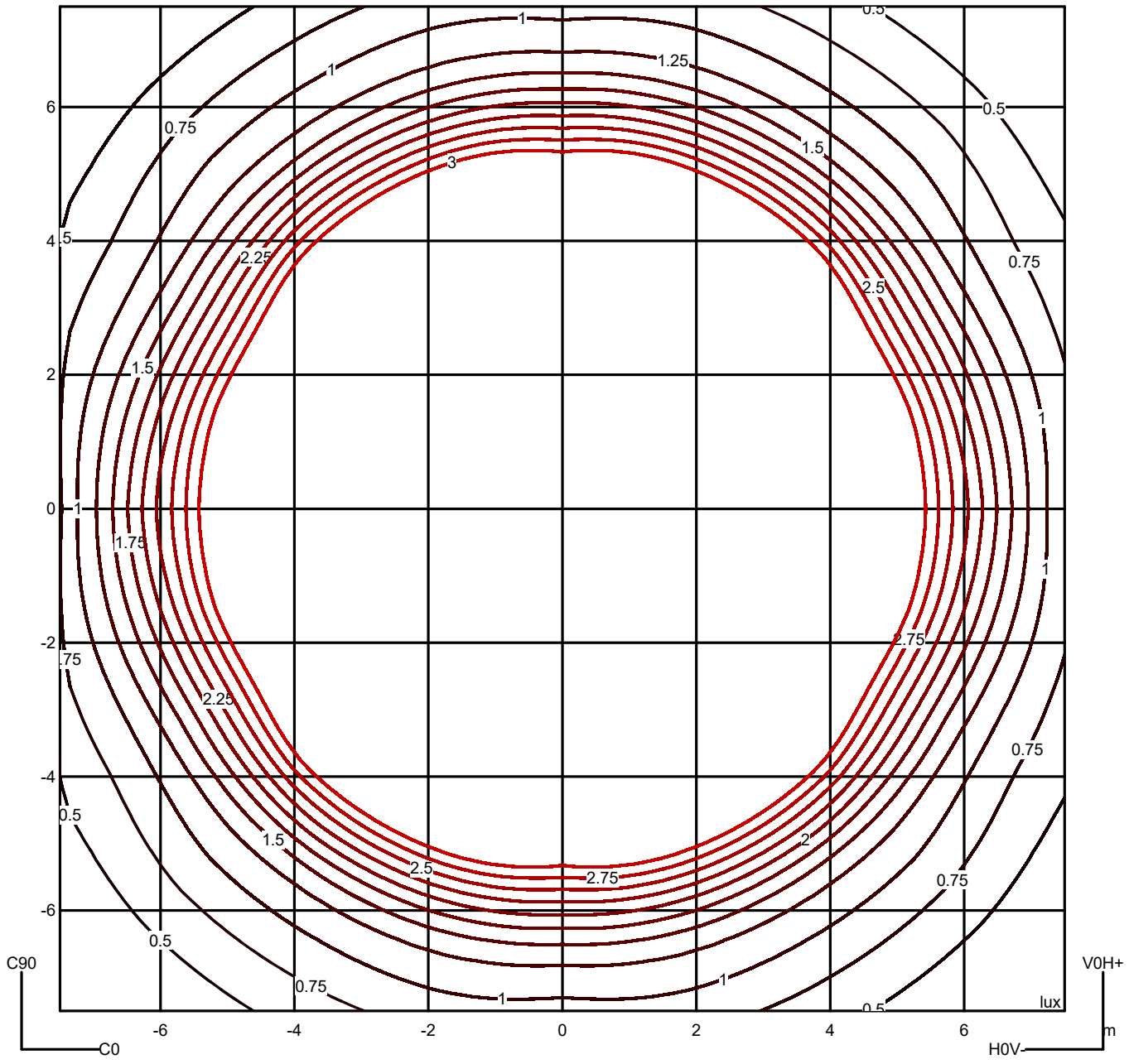
Flujo Zonal				
Gamma °	Flujo	Suma lm	Flujo [%]	Suma [%]
0°	0.00	0.00	0.00%	0.00 %
5°	1.58	1.58	0.16 %	0.16 %
10°	4.62	6.20	0.46 %	0.62 %
15°	7.91	14.11	0.79 %	1.41 %
20°	12.79	26.90	1.28 %	2.69 %
25°	20.81	47.71	2.08 %	4.77 %
30°	32.25	79.96	3.23 %	8.00 %
35°	45.92	125.88	4.59 %	12.59 %
40°	56.16	182.04	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	1680 lm	Maximum value	310.98 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	1680 lm	Maximum value	310.98 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]*

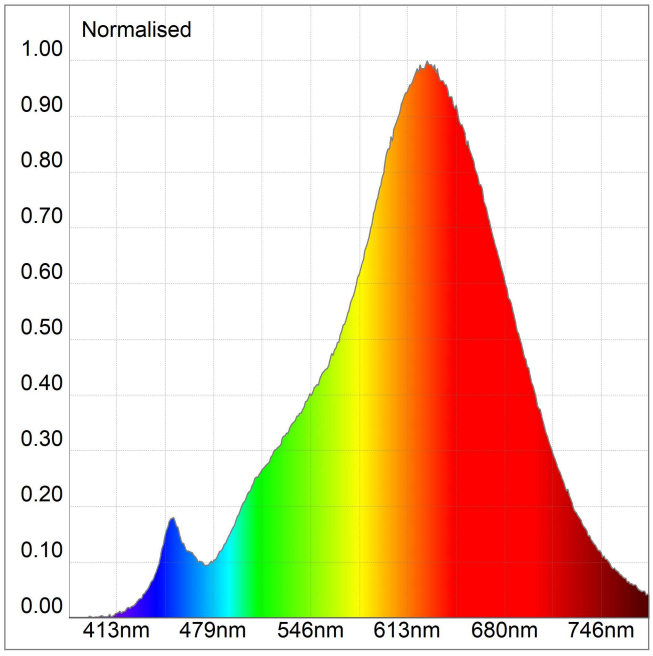
CRI8(Ra) [92.4]* CRI15(Rav) [90.7]*

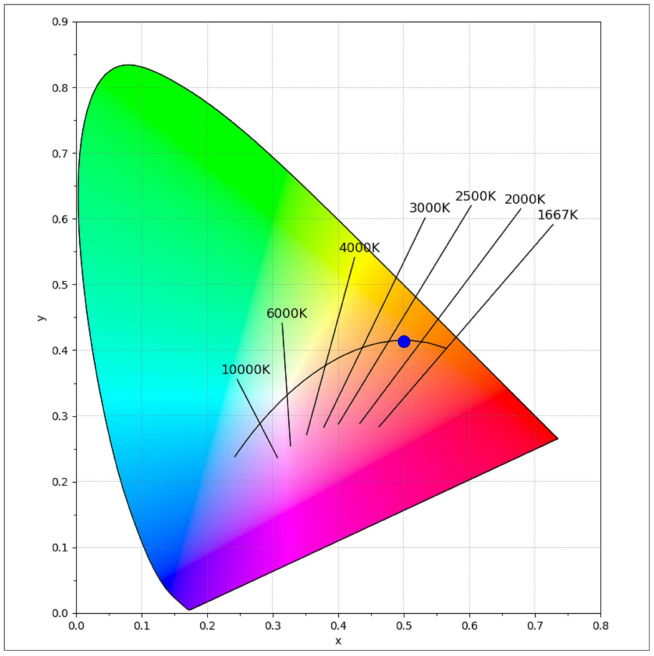
R 1: 93.0	R 2: 97.8	R 3: 97.9	R 4: 93.2	R 5: 93.7
R 6: 97.5	R 7: 88.8	R 8: 77.3	R 9: 54.8	R10: 94.7
R11: 96.1	R12: 94.4	R13: 94.6	R14: 99.5	R15: 87.3

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

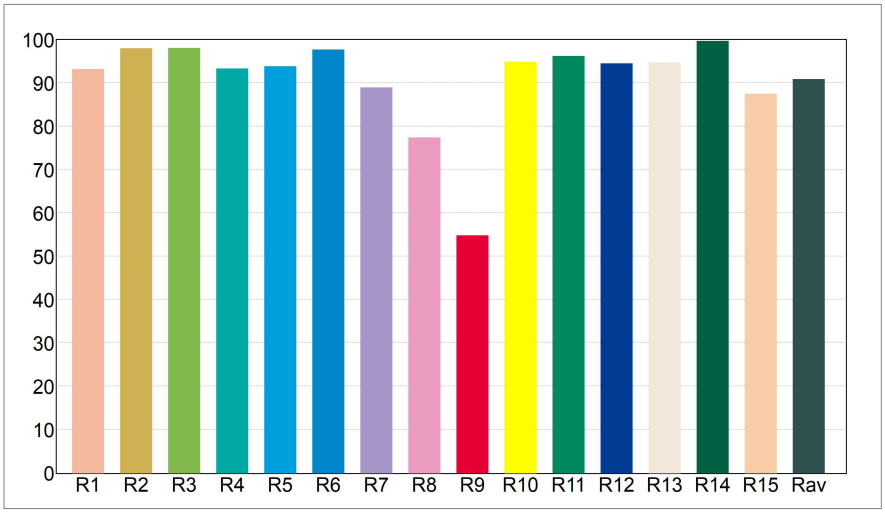


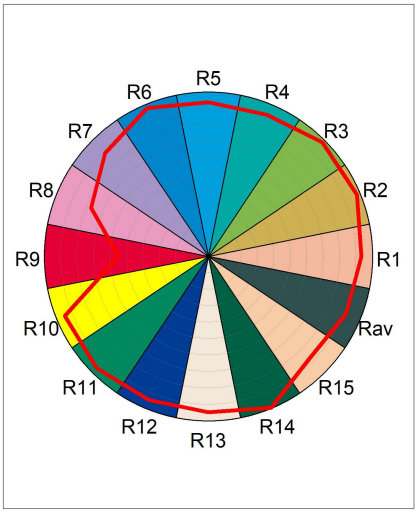


Luminaire
Code 11721234356
Name YUYUN_S7L_SIST_24VDC
Measurem.
Code
Name YUYUN_S7L_SIST_24VDC

Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical

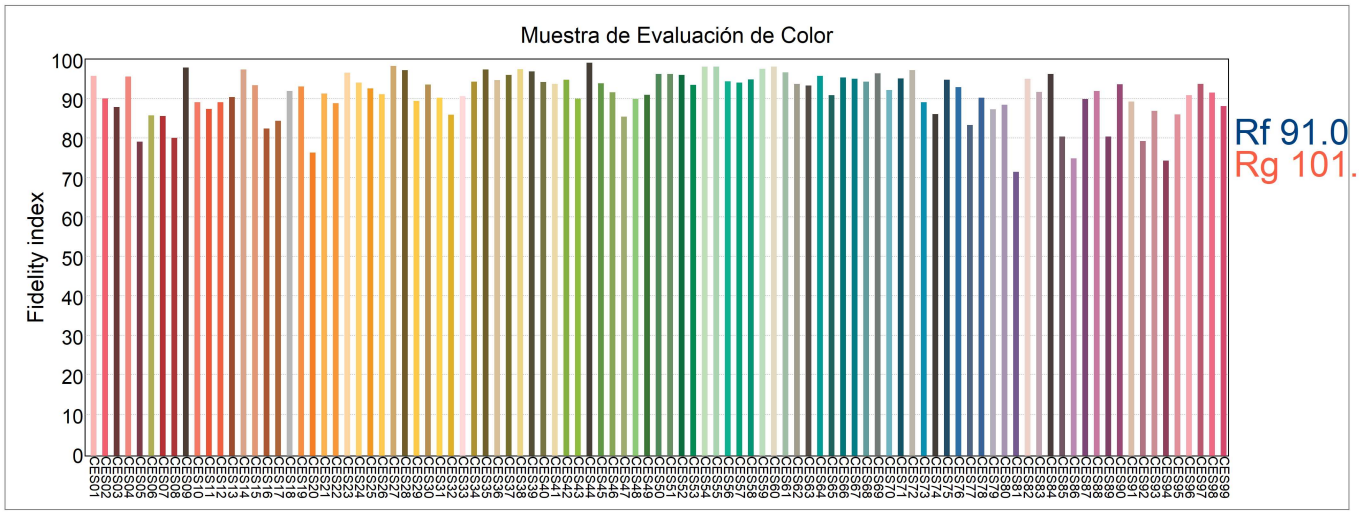
CRI Graphs



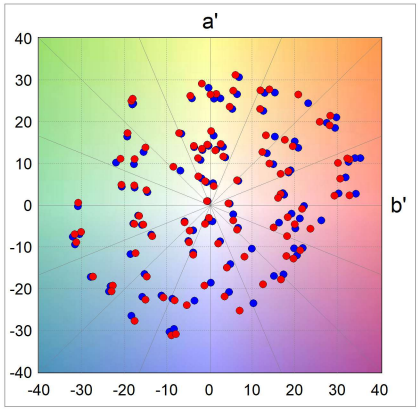


Luminaire
Code 11721234356
Name YUYUN_S7L_SIST_24VDC
Measurem.
Code
Name YUYUN_S7L_SIST_24VDC

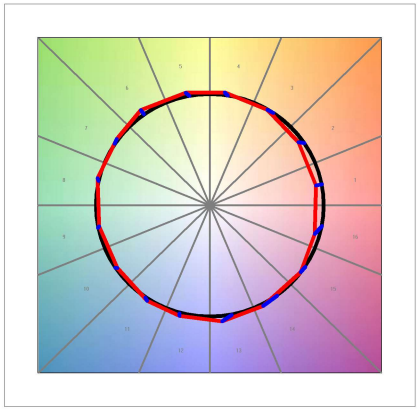
Luminaire Flux	1680 lm	Luminaire Power	50.4 W	Efficacy	33.328 lm/W	Efficiency	100.00%
Source Flux	1680 lm	Maximum value	310.98 cd	Position	C=0.00 G=37.50	CG	Double Symmetrical



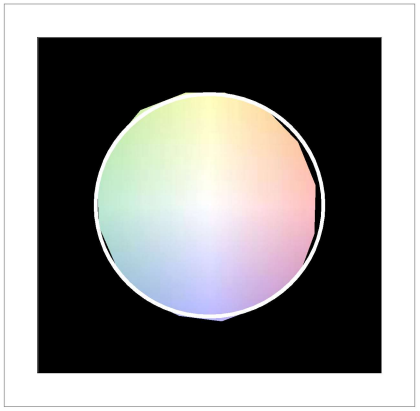
Chromatic Coordinates (a', b') 99 CES



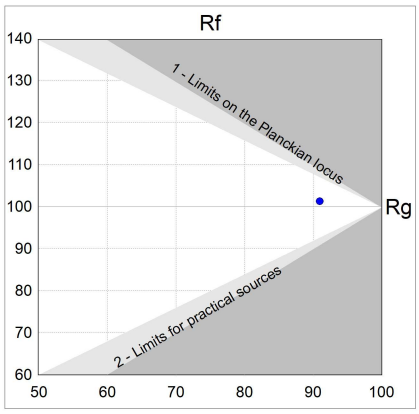
Color Vector Graphic



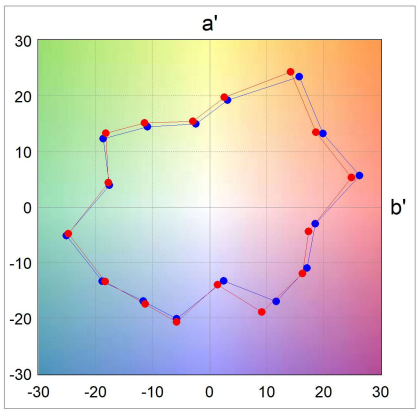
Color Distorsion Graphic



Rg vs Rf Plot



Gamut Polygon



Bin Deviation

