

Photometrics Pro

Luminaire Photometric Report

Filename: Transparent Ceiling Light Jade 18W CLWLT

Manufacturer: SARIN Energy Inc

Luminaire: LED jade light

Luminaire Cat: SES-CLWLT-18-XXXXS

Lamp: LED

Lamp Cat: LED40W

Lamp Output: 1 lamp, rated Lumens/lamp: 1698.4

Max Candela: 160.7 at Horizontal: 150°, Vertical: 45°

Input Wattage: 16.2

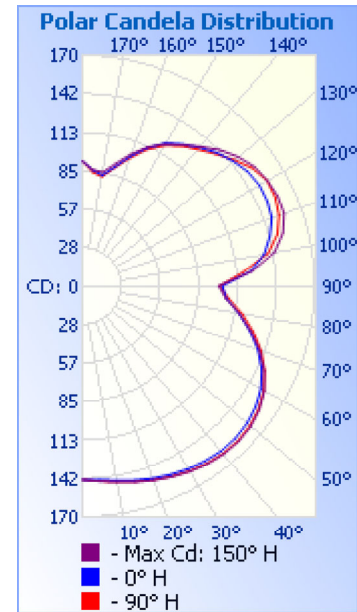
Luminous Opening: Rectangle (L: 11.81", W: 11.81")

Test: CZ150901

Test Date: 2015-09-01

Test Lab: Sheenly Lighting Co., Ltd

Photometry : Type C

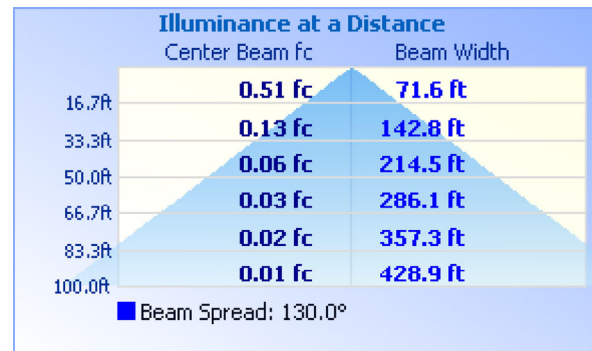
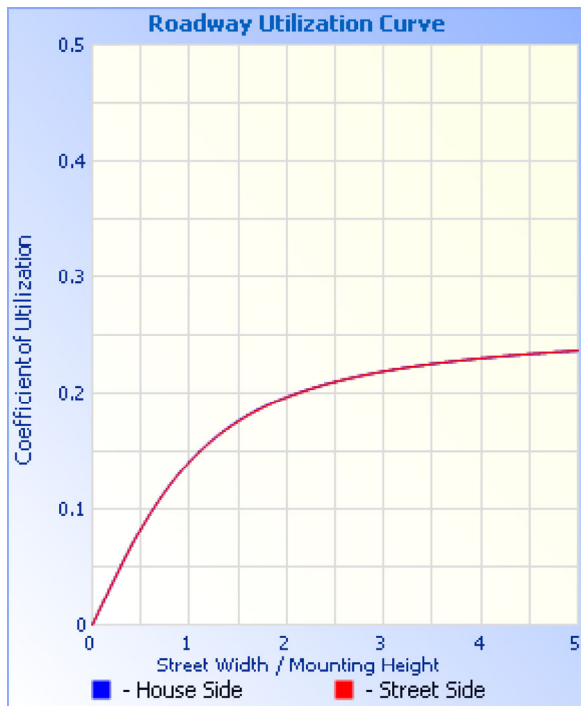
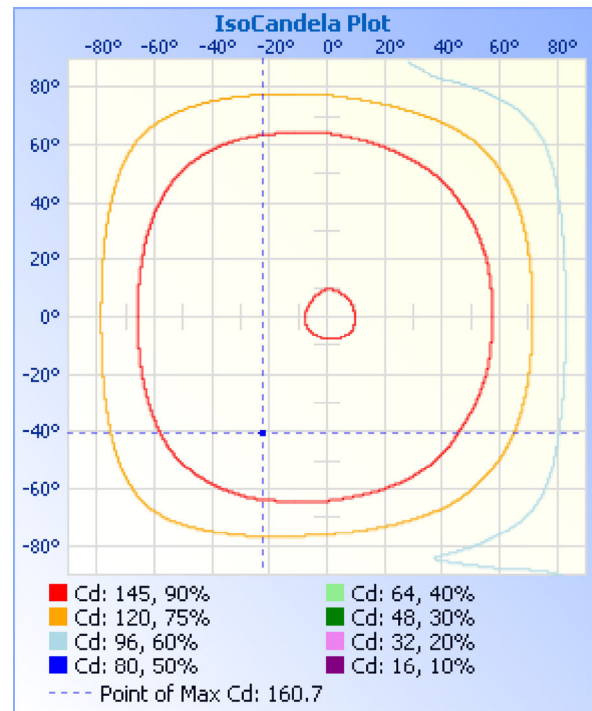
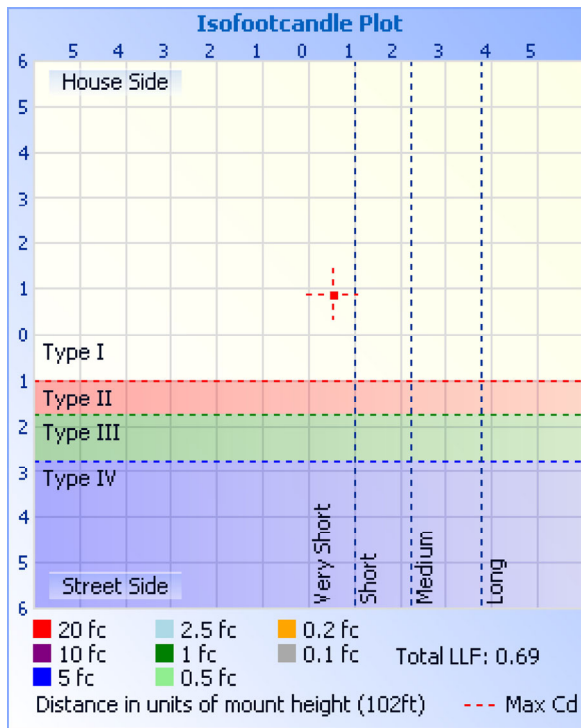


Roadway Summary		
Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	103.7	
Max Cd, 80 to <90 Deg:	118.6	
	Lumens	% Lamp
Downward Street Side:	432.8	25.5%
Downward House Side:	431.9	25.4%
Downward Total:	864.6	50.9%
Upward Street Side:	410.2	24.2%
Upward House Side:	423.2	24.9%
Upward Total:	833.4	49.1%
Total Lumens:	1,698.1	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	100%	1,698.0	n/a	130
Beam (50%):	100%	1,697.7	n/a	130
Total:	100%	1,698.0		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	126.5	7.4%	7.4%
0-40	224.9	13.2%	13.2%
0-60	483.6	28.5%	28.5%
60-90	381.1	22.4%	22.4%
70-100	370.9	21.8%	21.8%
90-120	431.3	25.4%	25.4%
0-90	864.7	50.9%	50.9%
90-180	833.6	49.1%	49.1%
0-180	1,698.2	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	13.7	0.8%	90-100	129.5	7.6%
10-20	42.0	2.5%	100-110	151.8	8.9%
20-30	70.8	4.2%	110-120	150.0	8.8%
30-40	98.4	5.8%	120-130	132.6	7.8%
40-50	121.8	7.2%	130-140	106.1	6.2%
50-60	136.9	8.1%	140-150	78.5	4.6%
60-70	139.7	8.2%	150-160	51.1	3%
70-80	128.9	7.6%	160-170	26.0	1.5%
80-90	112.4	6.6%	170-180	8.1	0.5%



Coefficients Of Utilization - Zonal Cavity Method

Effective Floor Cavity Reflectance: 20%

RCC %:	80				70				50				30				10				0
RW %:	70	50	30	0	70	50	30	0	50	30	20	0	50	30	20	0	50	30	20	0	0
RCR: 0	1.07	1.07	1.07	1.07	.99	.99	.99	.51	.84	.84	.84		.70	.70	.70		.57	.57	.57		.51
1	.95	.89	.84	.79	.87	.82	.77	.37	.69	.65	.62		.56	.54	.51		.45	.43	.41		.36
2	.85	.76	.68	.62	.78	.70	.63	.28	.58	.53	.49		.47	.44	.40		.38	.35	.32		.27
3	.77	.65	.57	.50	.70	.60	.52	.23	.50	.44	.39		.41	.36	.33		.32	.29	.26		.22

4	.69	.57	.48	.41	.63	.52	.44	.19	.44	.37	.32	.36	.31	.27	.28	.24	.21	.18
5	.63	.50	.41	.35	.58	.46	.38	.16	.39	.32	.27	.32	.27	.23	.25	.21	.18	.15
6	.58	.45	.36	.29	.53	.41	.33	.13	.35	.28	.23	.28	.23	.19	.22	.18	.15	.12
7	.54	.40	.31	.25	.49	.37	.29	.12	.31	.25	.20	.25	.20	.17	.20	.16	.13	.11
8	.50	.36	.28	.22	.45	.33	.26	.10	.28	.22	.18	.23	.18	.15	.18	.15	.12	.09
9	.46	.33	.25	.19	.42	.30	.23	.09	.26	.20	.16	.21	.16	.13	.17	.13	.10	.08
10	.43	.30	.22	.17	.39	.28	.21	.08	.24	.18	.14	.19	.15	.12	.16	.12	.09	.07

Candela Table - Type C

	0	30	60	90	120	150	180	210	240	270	300	330	360
0	142	142	142	142	142	142	142	142	142	142	142	142	142
5	142	143	143	143	143	143	143	143	143	143	143	143	142
10	145	145	146	145	145	146	146	145	145	145	145	145	145
15	147	148	148	148	148	149	148	148	147	147	147	147	147
20	150	151	151	151	151	151	151	150	149	150	149	149	150
25	152	153	154	154	154	154	154	153	152	152	151	152	152
30	154	156	156	156	156	157	157	155	154	153	153	153	154
35	156	157	158	158	159	159	159	157	155	154	154	155	156
40	157	159	160	160	160	160	160	158	155	155	154	155	157
45	157	159	160	160	160	161	160	157	154	153	153	155	157
50	156	159	160	159	159	160	158	155	152	151	151	153	156
55	154	157	157	157	157	157	155	152	147	147	148	150	154
60	150	153	154	153	153	153	150	146	141	141	142	145	150
65	144	147	148	146	147	146	143	138	132	133	134	138	144
70	136	139	139	138	139	137	133	127	122	123	125	130	136
75	126	129	129	129	129	127	122	116	111	112	114	119	126
80	116	118	119	118	119	116	111	106	101	102	103	109	116
85	105	108	107	107	107	105	100	97	92	92	92	97	105
90	102	104	101	100	100	99	99	100	98	96	95	96	102
95	123	123	119	118	120	124	124	124	121	115	114	116	123
100	134	136	134	137	140	142	141	140	135	129	127	129	134
105	141	143	142	147	149	151	151	150	146	139	136	137	141
110	147	149	148	152	154	156	156	154	150	145	143	143	147
115	148	151	152	155	156	157	157	155	152	148	146	144	148
120	149	150	152	155	155	155	157	155	150	147	143	144	149
125	147	149	150	151	151	153	155	152	147	141	141	143	147
130	143	145	145	144	145	148	150	147	141	136	134	139	143
135	138	140	138	137	137	141	144	141	134	130	128	133	138
140	133	133	131	131	131	134	137	133	128	125	124	126	133
145	127	126	125	126	126	126	130	126	122	122	120	120	127
150	121	121	119	119	120	120	123	120	116	116	114	115	121
155	112	112	111	110	111	112	113	111	107	106	105	107	112
160	101	103	102	100	102	103	102	101	98	95	96	98	101
165	91	92	92	90	91	93	92	90	88	85	86	89	91
170	83	84	84	82	82	85	85	84	82	78	80	81	83
175	86	87	86	84	85	86	87	87	85	82	83	85	86
180	92	92	92	92	92	92	92	92	92	92	92	92	92

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] CZ150901
[TESTDATE] 2015-09-01
[TESTLAB] Sheenly Lighting Co., Ltd
[ISSUE DATE] 2015-09-01 16:20:30
[MANUFAC] SARIN Energy Inc
[LUMCAT] SES-CLWLT-18-XXXXS
[LUMINAIRE] LED jade light
[LAMPCAT] LED40W
[LAMP] LED
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 1698.2
[OTHER] EVERFINE GO-2000A_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 13
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: METRIC
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.