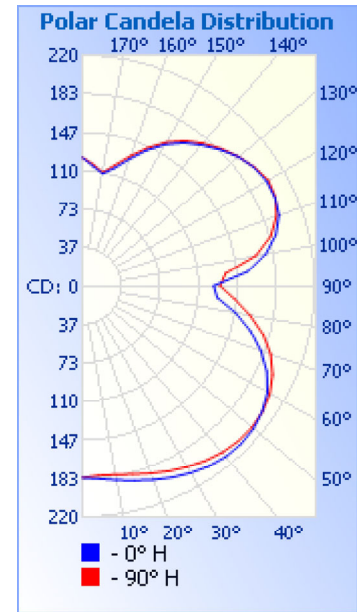


Photometrics Pro

Luminaire Photometric Report

Filename: Transparent Ceiling Light Jade 24W CLWLT
Manufacturer: SARIN Energy Inc
Luminaire: LED jade light
Luminaire Cat: SES-CLWLT-24-XXXXS
Lamp: LED
Lamp Cat: LED40W
Lamp Output: 1 lamp, rated Lumens/lamp: 2225.2
Max Candela: 211.3 at Horizontal: 0°, Vertical: 45°
Input Wattage: 21.6
Luminous Opening: Rectangle (L: 11.81", W: 11.81")
Test: CZ150902
Test Date: 2015-09-01
Test Lab: Sheenly Lighting Co., Ltd
Photometry : Type C

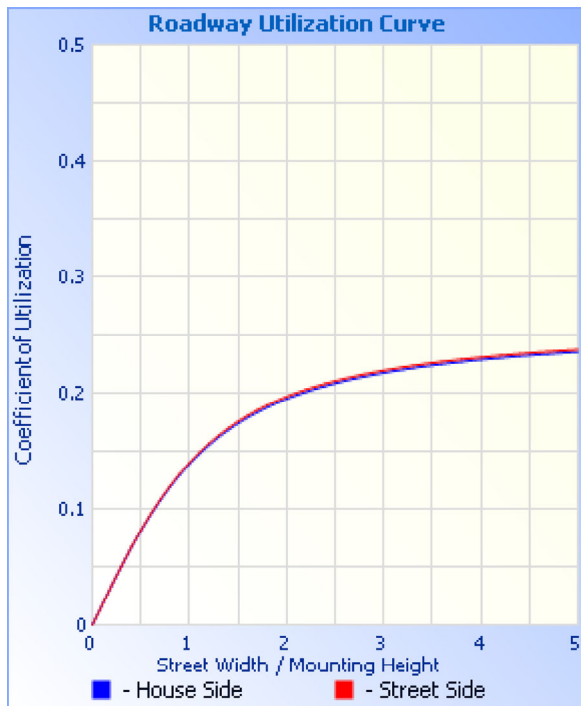
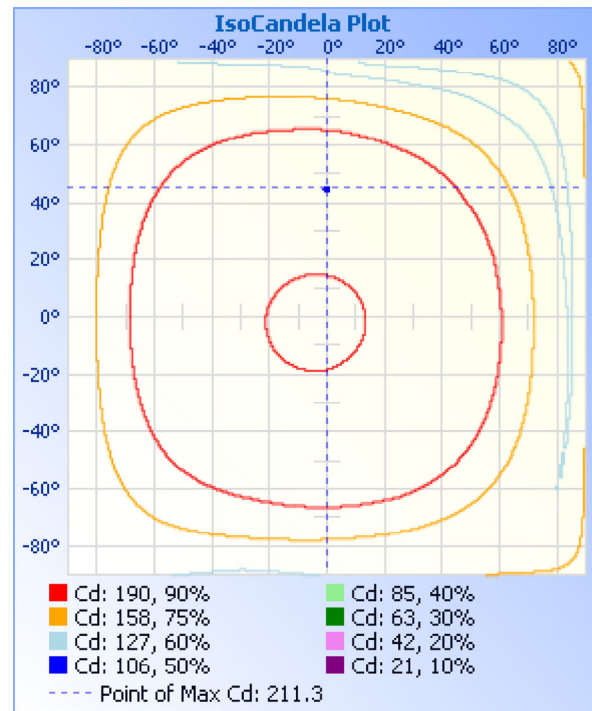
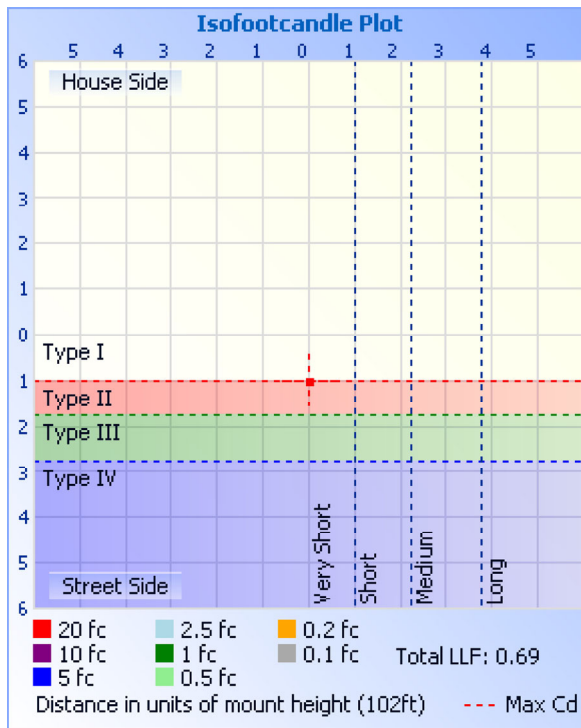


Roadway Summary		
Cutoff Classification:	NONCUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	162.0	
Max Cd, 80 to <90 Deg:	160.7	
	Lumens	% Lamp
Downward Street Side:	569.5	25.6%
Downward House Side:	572.9	25.7%
Downward Total:	1,142.4	51.3%
Upward Street Side:	537.9	24.2%
Upward House Side:	544.8	24.5%
Upward Total:	1,082.8	48.7%
Total Lumens:	2,225.2	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	100%	2,225.3	n/a	45
Beam (50%):	99.9%	2,223.3	n/a	45
Total:	100%	2,225.3		

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	162.6	7.3%	7.3%
0-40	291.2	13.1%	13.1%
0-60	634.5	28.5%	28.5%
60-90	507.9	22.8%	22.8%
70-100	490.8	22.1%	22.1%
90-120	564.7	25.4%	25.4%
0-90	1,142.5	51.3%	51.3%
90-180	1,083.0	48.7%	48.7%
0-180	2,225.4	100%	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	17.5	0.8%	90-100	170.3	7.7%
10-20	53.7	2.4%	100-110	198.5	8.9%
20-30	91.4	4.1%	110-120	195.9	8.8%
30-40	128.6	5.8%	120-130	172.0	7.7%
40-50	160.8	7.2%	130-140	137.5	6.2%
50-60	182.5	8.2%	140-150	100.9	4.5%
60-70	187.4	8.4%	150-160	64.4	2.9%
70-80	171.8	7.7%	160-170	32.9	1.5%
80-90	148.8	6.7%	170-180	10.5	0.5%



Illuminance at a Distance

Center Beam fc	Beam Width
0.65 fc	13.8 ft
0.16 fc	27.6 ft
0.07 fc	41.4 ft
0.04 fc	55.3 ft
0.03 fc	69.0 ft
0.02 fc	82.8 ft

Beam Spread: 45.0°

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		.57	.54	.52		.45	.43	.42		.36
2	.85	.76	.68	.62	.78	.70	.63	.29	.58	.53	.49		.48	.44	.40		.38	.35	.32		.28
3	.76	.65	.57	.50	.70	.60	.52	.23	.50	.44	.39		.41	.36	.32		.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	.34	.58	.46	.38	.16	.39	.32	.27	.32	.27	.23	.25	.21	.18	.15
6	.58	.45	.36	.29	.53	.41	.33	.13	.34	.28	.23	.28	.23	.19	.22	.18	.15	.12
7	.53	.40	.31	.25	.49	.37	.29	.12	.31	.25	.20	.25	.20	.17	.20	.16	.13	.11
8	.49	.36	.28	.22	.45	.33	.26	.10	.28	.22	.17	.23	.18	.15	.18	.15	.12	.09
9	.46	.33	.25	.19	.42	.30	.23	.09	.26	.20	.15	.21	.16	.13	.17	.13	.10	.08
10	.43	.30	.22	.17	.39	.28	.21	.08	.23	.18	.14	.19	.15	.11	.16	.12	.09	.07

Candela Table - Type C													
	0	30	60	90	120	150	180	210	240	270	300	330	360
0	182	182	182	182	182	182	182	182	182	182	182	182	182
5	183	182	181	180	180	181	182	183	184	184	184	184	183
10	187	185	183	181	181	183	185	186	187	188	188	188	187
15	191	189	186	184	184	186	188	190	191	192	192	192	191
20	195	193	191	189	188	190	192	194	196	196	196	196	195
25	200	198	195	193	193	194	196	199	200	200	200	200	200
30	204	202	199	197	197	199	201	203	204	203	203	204	204
35	208	206	203	202	201	202	204	207	207	206	206	207	208
40	211	209	206	205	204	205	207	209	209	207	207	208	211
45	211	210	209	208	206	206	208	210	209	206	206	208	211
50	210	210	209	208	206	206	208	208	207	203	203	206	210
55	207	208	207	207	205	204	205	205	202	199	198	202	207
60	201	203	204	204	201	199	200	199	195	191	189	195	201
65	192	195	197	198	195	192	192	190	184	179	178	184	192
70	179	184	187	189	186	182	181	178	170	164	164	170	179
75	164	170	174	176	174	169	167	162	153	146	147	154	164
80	147	154	159	161	159	154	150	145	136	128	128	136	147
85	128	136	142	144	143	136	133	131	127	126	116	118	128
90	124	123	126	130	128	121	127	145	161	162	147	134	124
95	156	146	135	135	136	140	161	175	182	175	168	163	156
100	175	167	160	166	167	168	182	191	195	187	183	180	175
105	189	180	174	184	183	182	193	200	203	195	193	192	189
110	197	189	185	194	193	191	198	203	205	199	199	198	197
115	200	194	192	201	197	194	199	203	202	199	198	200	200
120	200	195	193	202	197	194	198	200	198	192	195	198	200
125	197	192	192	198	194	192	195	194	188	185	186	193	197
130	191	187	185	192	187	187	189	186	179	176	178	185	191
135	183	180	178	185	180	180	182	176	171	167	170	176	183
140	175	171	171	177	173	172	174	167	163	160	162	167	175
145	166	163	163	168	164	164	166	158	153	150	152	158	166
150	155	154	154	158	156	155	155	148	144	141	143	148	155
155	142	142	141	145	142	142	141	136	131	129	131	136	142
160	128	130	130	131	130	130	126	124	119	116	119	124	128
165	116	118	118	119	118	117	114	112	109	106	110	113	116
170	109	110	108	110	108	108	105	104	102	100	104	107	109
175	114	116	114	116	115	116	114	111	108	107	110	112	114
180	122	122	122	122	122	122	122	122	122	122	122	122	122

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] CZ150902
[TESTDATE] 2015-09-01
[TESTLAB] Sheenly Lighting Co., Ltd
[ISSUE DATE] 2015-09-01 16:19:37
[MANUFAC] SARIN Energy Inc
[LUMCAT] SES-CLWLT-24-XXXXS
[LUMINAIRE] LED jade light
[LAMPCAT] LED40W
[LAMP] LED
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 2225.4
[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.