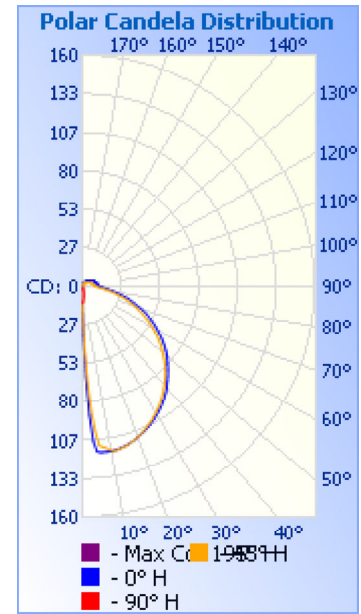


Photometrics Pro

Luminaire Photometric Report

Filename: Outdoor Floor Lamp 8W FL
Manufacturer: SARIN Energy Inc.
Luminaire: SES-FL-600-5000-7.5
Lamp Output: 1 lamp, rated Lumens/lamp: 306.1
Max Candela: 150.4 at Horizontal: 195°, Vertical: 9°
Input Wattage: 6.5
Luminous Opening: Rectangle (L: 3.94", W: 1.57")
Test: 01
Test Date: 2013-11-15
Test Lab: Eemtek DG
Photometry : Type C
Nema Type: 5 X 5



Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	13.9	
Max Cd, 80 to <90 Deg:	32.2	
	Lumens	% Lamp
Downward Street Side:	144.6	47.2%
Downward House Side:	143.4	46.9%
Downward Total:	288.0	94.1%
Upward Street Side:	12.5	4.1%
Upward House Side:	11.9	3.9%
Upward Total:	24.3	8%
Total Lumens:	312.3	102%

Flood Summary

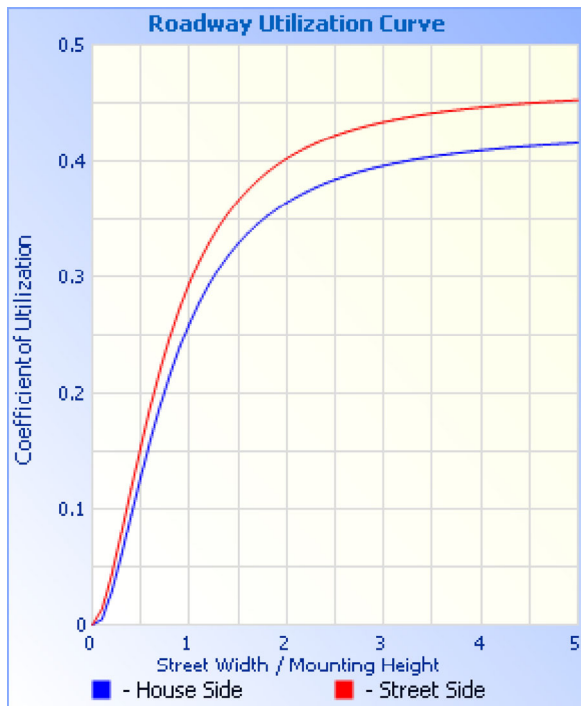
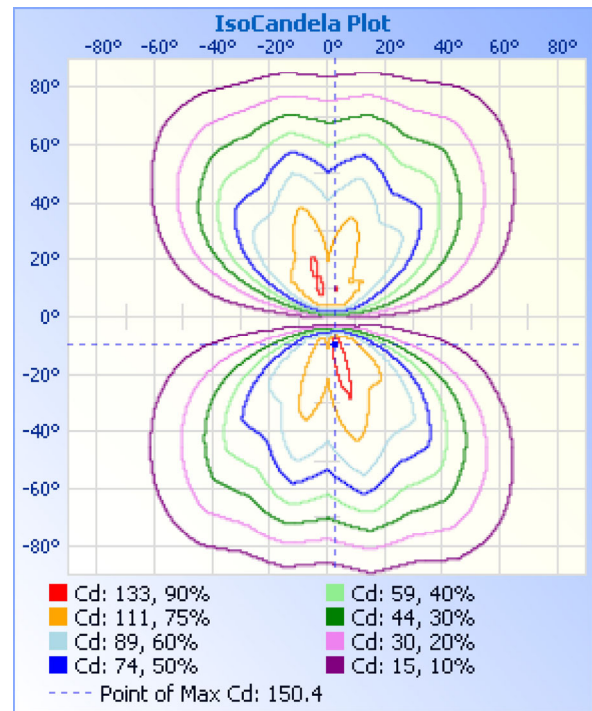
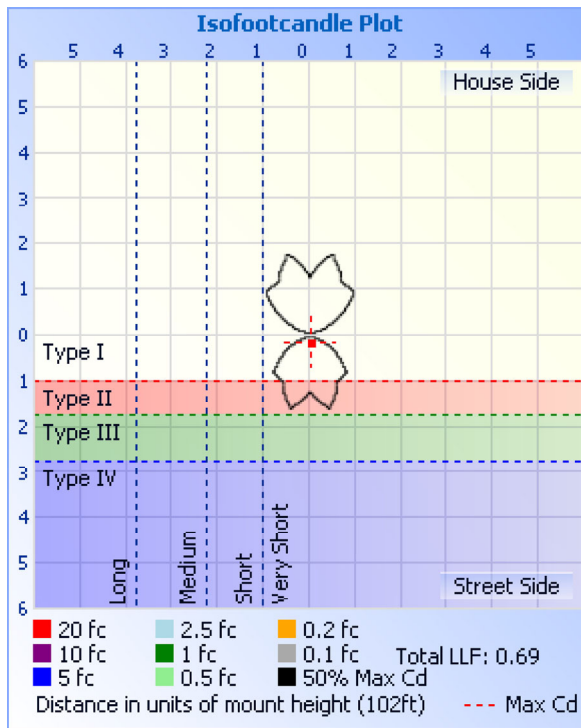
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	90%	275.5	87	84.3
Beam (50%):	48.2%	147.5	31.1	50.5
Total:	101.9%	312.0		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	70.0	22.9%	22.4%
0-40	116.8	38.2%	37.4%
0-60	212.9	69.6%	68.2%
60-90	75.1	24.5%	24%
70-100	44.3	14.5%	14.2%
90-120	18.1	5.9%	5.8%
0-90	288.0	94.1%	92.2%
90-180	24.3	8%	7.8%
0-180	312.3	102%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	6.8	2.2%	90-100	7.3	2.3%
10-20	24.9	8.0%	100-110	6.1	2%
20-30	38.3	12.3%	110-120	4.7	1.5%
30-40	46.8	15.0%	120-130	3.3	1.1%
40-50	49.6	15.9%	130-140	1.9	0.6%
50-60	46.5	14.9%	140-150	0.8	0.3%
60-70	38.0	12.2%	150-160	0.2	0.1%
70-80	25.2	8.1%	160-170	0.0	0%
80-90	11.8	3.8%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
16.7ft	0.05 fc	15.8 ft	9.3 ft
33.3ft	0.01 fc	31.4 ft	18.5 ft
50.0ft	0.01 fc	47.2 ft	27.8 ft
66.7ft	0.00 fc	63.0 ft	37.1 ft
83.3ft	0.00 fc	78.6 ft	46.3 ft
100.0ft	0.00 fc	94.4 ft	55.6 ft

■ Vert. Spread: 50.5°
■ Horiz. Spread: 31.1°

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	50	30	20	50	30	20	0
RCR: 0	1.20	1.20	1.20	1.20	1.16	1.16	1.16	.94	1.09	1.09	1.09	1.03	1.03	1.03	.97	.97	.97	.94
1	1.08	1.03	.98	.93	1.04	.99	.95	.77	.94	.90	.87	.88	.85	.83	.83	.81	.79	.76
2	.98	.89	.81	.75	.94	.86	.79	.64	.81	.75	.70	.76	.72	.68	.72	.68	.65	.62
3	.89	.77	.68	.62	.85	.75	.67	.53	.71	.64	.58	.67	.61	.56	.63	.58	.54	.52

4	.81	.68	.59	.52	.78	.66	.58	.46	.63	.55	.49	.59	.53	.48	.56	.51	.46	.44
5	.74	.61	.51	.44	.71	.59	.50	.39	.56	.48	.42	.53	.46	.41	.50	.44	.40	.37
6	.68	.54	.45	.38	.66	.53	.44	.34	.50	.42	.37	.48	.41	.36	.45	.39	.35	.32
7	.63	.49	.40	.33	.61	.48	.39	.30	.45	.38	.32	.43	.37	.31	.41	.35	.31	.29
8	.59	.45	.36	.30	.57	.44	.35	.27	.41	.34	.29	.40	.33	.28	.38	.32	.27	.25
9	.55	.41	.32	.27	.53	.40	.32	.24	.38	.31	.26	.36	.30	.25	.35	.29	.25	.23
10	.51	.38	.29	.24	.49	.37	.29	.22	.35	.28	.23	.34	.27	.23	.32	.26	.22	.20

47	80	99	79	77	54	21	0	20	46	71	72	96	83	106	86	86	58	20	2	29	55	77	75	95	80
48	79	97	78	75	52	20	0	20	45	70	71	94	81	104	85	84	57	20	1	28	54	75	74	93	79
49	77	95	76	74	51	19	0	19	44	69	69	92	80	102	83	83	56	20	1	28	53	74	72	91	77
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153	2	1	2	0	0	0	0	0	0	0	0	1	0	2	0	1	0	0	0	0	0	0	2	1	2
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159	1	0	1	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1
160	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1
161	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	0	1
162	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1
163	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
164	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] 01
[TESTDATE] 2013-11-15
[TESTLAB] Eemtek DG
[ISSUE DATE] 2013-11-15 15:54:25
[MANUFAC] SARIN Energy Inc.
[LUMINAIRE] SES-FL-600-5000-7.5
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 312.3
[OTHER] EVERFINE GO-R5000_V2 SYSTEMGamma(deg) Fz(lm) Ft(lm) %Lum %Lamp0- 10 6.63
6.63 2.17 2.1710- 20 24.43 31.06 10.15 10.1520- 30 37.55 68.61 22.42 22.4130- 40
45.90 114.51 37.42 37.4140- 50 48.63 163.14 53.31 53.3050- 60 45.58 208.72 68.20
68.1960- 70 37.24 245.96 80.37 80.3570- 80 24.69 270.65 88.44 88.4280- 90 11.59
282.23 92.23 92.2090-100 7.11 289.35 94.55 94.53100-110 5.99 295.34 96.51
96.48110-120 4.63 299.97 98.02 98.00120-130 3.22 303.19 99.07 99.05130-140 1.82
305.01 99.67 99.64140-150 0.79 305.80 99.93 99.90150-160 0.21 306.01 99.99
99.97160-170 0.02 306.02 100.00 99.97170-180 0.00 306.02 100.00 99.97
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 25
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.