

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** WL9002 - CCT Wall Sconce 6FT - IES

**Manufacturer:** SARIN Energy Solutions

**Lamp Output:** 1 lamp, rated Lumens/lamp: 602

**Max Candela:** 147.5 at Horizontal: 0°, Vertical: 82°

**Input Wattage:** 13.9252

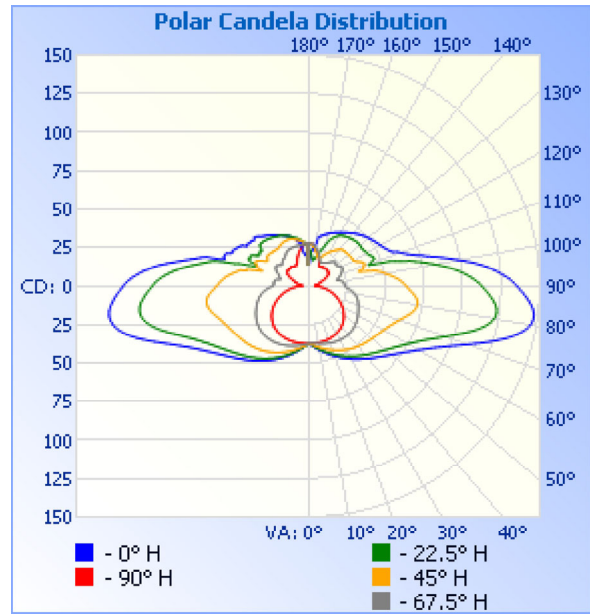
**Luminous Opening:** Rectangle (L: 47.24", W: 3.15")

**Test Date:** 2022-10-14

**Test Lab:** δn

**Photometry :** Type C

**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	TYPE IV, VERY SHORT	
Max Cd, 90 Deg Vert:	135.1	
Max Cd, 80 to <90 Deg:	147.5	
	Lumens	% Lamp
Downward Street Side:	185.2	30.8%
Downward House Side:	179.8	29.9%
Downward Total:	364.9	60.6%
Upward Street Side:	122.8	20.4%
Upward House Side:	114.2	19%
Upward Total:	237.0	39.4%
Total Lumens:	602.0	100%

### Flood Summary

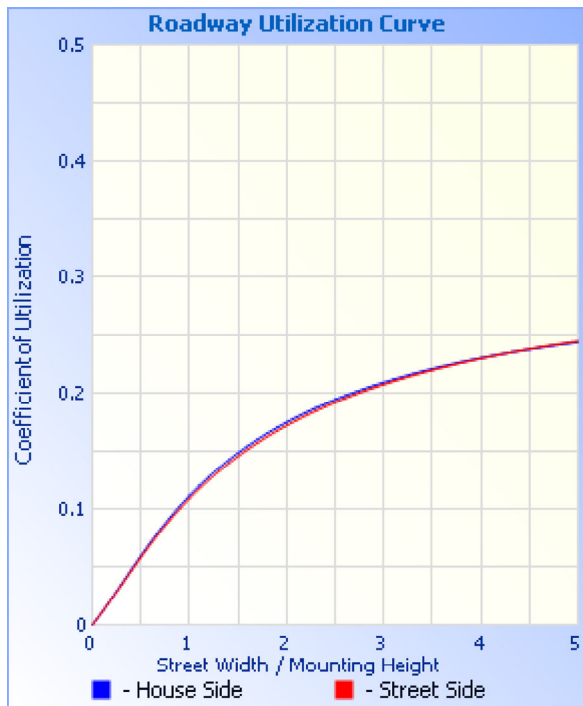
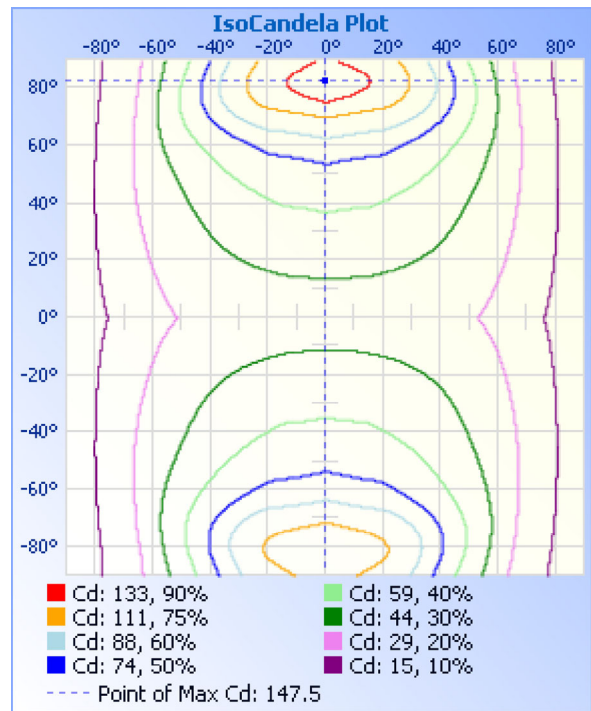
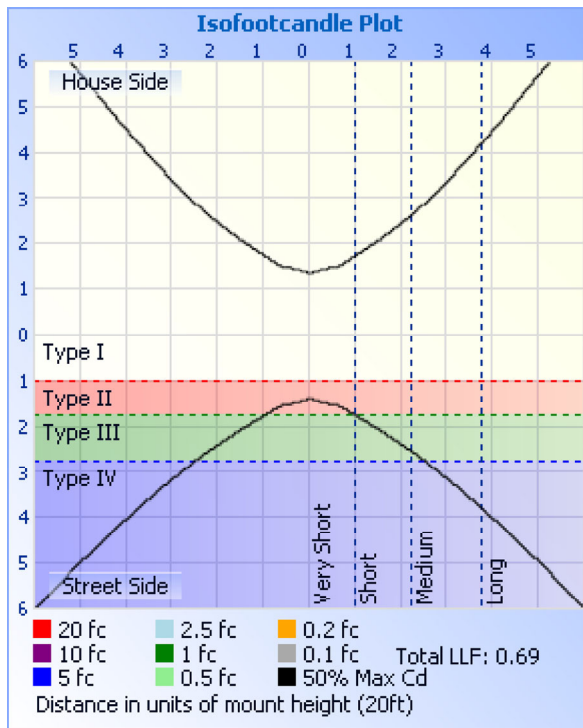
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.2%	597.0	157.4	358.6
Beam (50%):	31.7%	190.9	87.8	52.2
Total:	100%	601.9		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	37.0	6.2%	6.2%
0-40	67.7	11.3%	11.3%
0-60	156.3	26%	26%
60-90	208.7	34.7%	34.7%
70-100	213.5	35.5%	35.5%
90-120	141.1	23.4%	23.4%
0-90	365.0	60.6%	60.6%
90-180	237.0	39.4%	39.4%
0-180	602.0	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	3.8	0.6%	90-100	63.8	10.6%
10-20	12.0	2.0%	100-110	43.2	7.2%
20-30	21.2	3.5%	110-120	34.0	5.7%
30-40	30.7	5.1%	120-130	29.3	4.9%
40-50	39.9	6.6%	130-140	24.8	4.1%
50-60	48.7	8.1%	140-150	18.9	3.1%
60-70	59.0	9.8%	150-160	12.9	2.2%
70-80	73.4	12.2%	160-170	7.5	1.2%
80-90	76.3	12.7%	170-180	2.5	0.4%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
2.7R	5.18 fc	2.6 ft	5.2 ft
5.3R	1.35 fc	5.2 ft	10.2 ft
8.0R	0.59 fc	7.8 ft	15.4 ft
10.7R	0.33 fc	10.5 ft	20.6 ft
13.3R	0.21 fc	13.0 ft	25.6 ft
16.0R	0.15 fc	15.7 ft	30.8 ft

Vert. Spread: 52.2°  
Horiz. Spread: 87.8°

**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	1.10	1.10	1.10	1.10	1.03	1.03	1.03	.61	.89	.89	.89	.77	.77	.77	.77	.66	.66	.66	.66	.61	
1	.94	.87	.80	.75	.87	.81	.75	.39	.69	.64	.60	.58	.55	.51	.48	.46	.43	.43	.43	.38	
2	.83	.72	.64	.56	.77	.67	.59	.29	.57	.51	.45	.48	.43	.38	.39	.35	.32	.32	.32	.27	
3	.75	.62	.52	.44	.68	.57	.48	.22	.49	.41	.36	.40	.35	.30	.33	.29	.25	.25	.25	.21	

4	.67	.54	.44	.36	.62	.50	.41	.18	.42	.35	.29	.35	.29	.24	.29	.24	.20	.16
5	.61	.47	.37	.30	.56	.44	.35	.15	.37	.30	.24	.31	.25	.20	.25	.20	.17	.13
6	.56	.42	.32	.25	.52	.39	.30	.12	.33	.26	.20	.28	.22	.17	.23	.18	.14	.11
7	.52	.38	.28	.22	.48	.35	.26	.11	.30	.23	.18	.25	.19	.15	.20	.16	.12	.09
8	.48	.34	.25	.19	.44	.32	.23	.09	.27	.20	.15	.23	.17	.13	.19	.14	.11	.08
9	.45	.31	.22	.17	.41	.29	.21	.08	.25	.18	.13	.21	.15	.11	.17	.13	.09	.07
10	.42	.28	.20	.15	.39	.26	.19	.07	.23	.16	.12	.19	.14	.10	.16	.11	.08	.06

Candela Table - Type C																	
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
1	38	38	38	37	37	38	38	38	38	38	38	38	37	37	38	38	38
2	38	38	38	37	37	38	38	39	39	39	39	38	37	37	38	38	38
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6	40	40	39	37	37	38	40	41	41	41	40	38	37	38	39	40	40
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90	135	112	63	24	4	23	59	101	120	101	59	23	4	25	67	116	135
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93	127	106	60	23	5	23	57	95	113	96	57	22	4	24	64	110	127
94	124	103	59	23	5	23	56	93	110	93	56	22	4	24	63	107	124
95	120	100	57	23	5	23	55	90	107	91	55	22	5	24	61	104	120

96	117	97	56	23	6	23	53	87	104	88	54	22	5	24	60	101	117
97	113	93	54	22	6	22	52	84	101	86	53	22	5	24	58	98	113
98	108	90	52	22	6	22	50	81	97	83	51	22	6	24	57	95	108
99	103	86	51	21	6	22	49	78	93	79	50	22	6	23	55	91	103
100	98	82	49	19	7	21	48	75	89	76	49	21	6	23	53	87	98
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102	89	75	46	19	8	19	44	69	81	70	46	19	7	20	50	79	89
103	85	71	44	20	8	18	42	66	78	68	45	18	8	19	49	75	85
104	80	68	39	20	8	18	40	58	74	66	41	18	8	20	47	71	80
105	77	62	35	21	9	19	37	58	72	63	41	19	8	21	43	68	77
106	73	58	34	21	9	20	33	54	69	57	38	19	9	21	38	62	73
107	70	55	37	22	9	20	32	51	59	49	34	20	9	22	35	59	70
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109	66	41	38	23	10	22	35	42	58	41	33	20	10	23	39	45	66
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139	46	41	32	20	16	20	30	41	43	40	31	24	16	25	33	43	46
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144	43	40	29	19	15	18	27	39	41	39	32	25	16	26	34	41	43

145	42	40	28	19	15	18	26	39	40	39	32	25	16	26	34	41	42
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158	37	28	20	20	18	19	19	27	35	35	33	27	19	28	34	37	37
159	37	27	20	21	19	19	19	25	35	35	33	27	19	28	34	36	37
160	36	25	19	21	20	20	19	24	35	35	33	27	20	28	34	36	36
161	36	24	20	22	20	21	18	23	34	34	32	27	20	28	34	35	36
162	35	22	20	22	21	21	19	22	34	34	32	27	21	28	33	35	35
163	35	21	20	23	21	22	19	21	33	33	32	27	22	28	33	35	35
164	34	20	21	23	22	22	20	20	32	33	32	27	22	28	33	34	34
165	34	20	22	24	23	23	20	19	32	32	32	27	23	28	33	34	34
166	34	19	22	24	23	23	21	18	31	32	31	27	23	28	32	34	34
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175	23	22	27	28	28	27	26	20	20	29	29	28	28	29	30	30	23
176	19	23	27	28	28	28	27	22	21	28	28	28	28	29	29	30	19
177	14	24	27	28	28	28	27	23	21	27	28	28	28	28	29	29	14
178	14	24	27	28	28	28	27	24	17	27	28	28	28	28	29	28	14
179	14	25	27	28	28	28	28	25	14	26	28	28	28	28	29	27	14
180	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14

**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST]  
[TESTDATE] 2022-10-14  
[TESTLAB] δn  
[ISSUEDATE] 2022-10-14 11:23:24  
[MANUFAC] SARIN Energy Solutions  
[\_TOTALLUMINAIRELUMENS] 602  
[\_LAMPPOSITION] 0,0  
[OTHER] EVERFINE GO-3000H\_V1 SYSTEM  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17  
FILE: COORDINATE SYSTEM: TYPE C  
FILE: UNIT OF MEASURE: STANDARD  
FILE: BALLAST FACTOR: 1

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