

Photometrics Pro

Luminaire Photometric Report

Filename: WL9002 - CCT Wall Sconce 4FT - 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

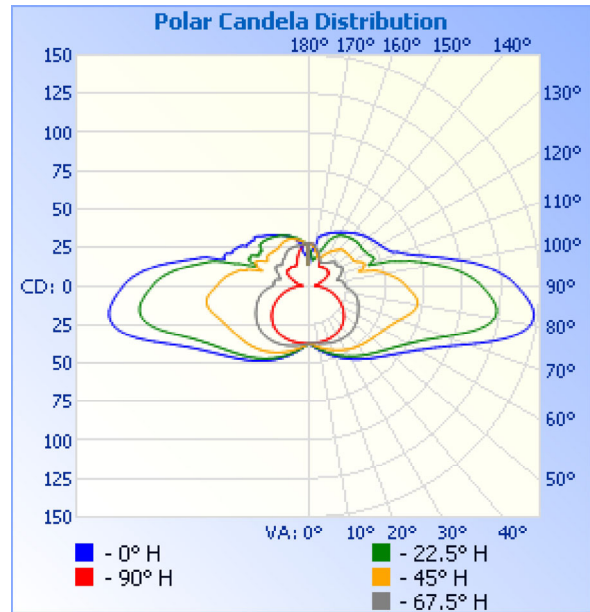
Luminous Opening: Rectangle (L: 47.24", W: 3.15")

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

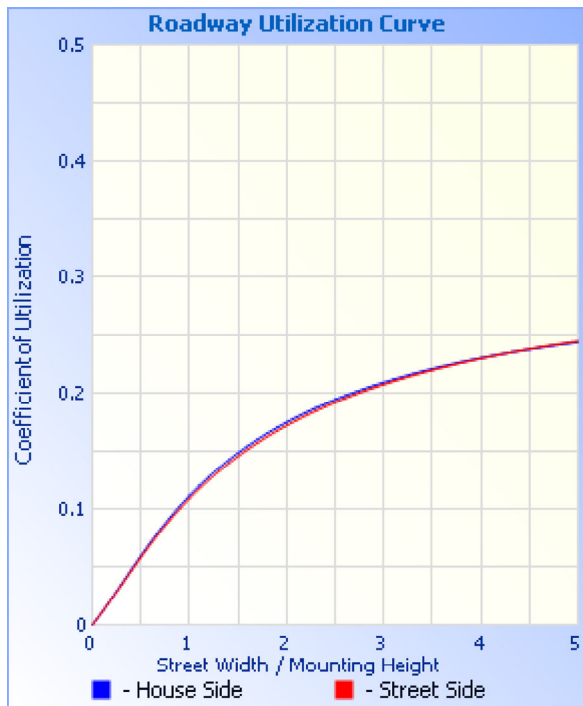
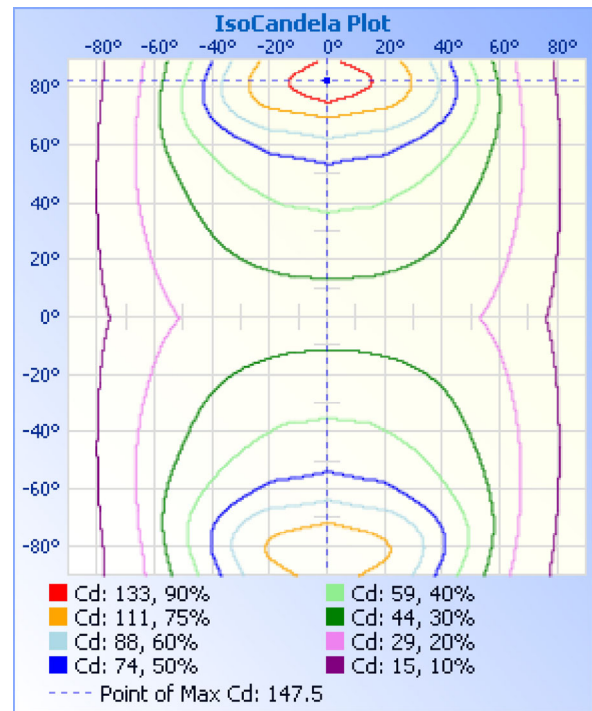
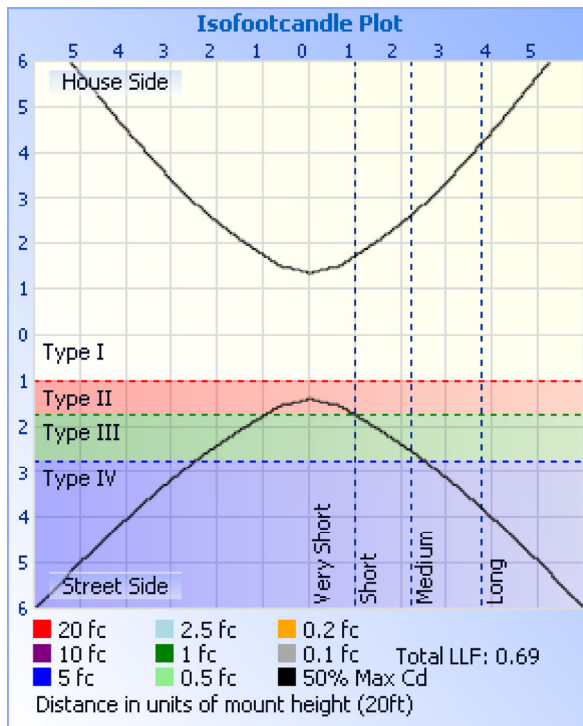
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	99.2%	597.0	157.4	358.6
Beam (50%):	31.7%	190.9	87.8	52.2
Total:	100%	601.9		

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	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.10	1.10	1.10	1.10	1.03	1.03	1.03	.61	.89	.89	.89	.77	.77	.77	.66	.66	.66	.61	.61	.61	.61
1	.94	.87	.80	.75	.87	.81	.75	.39	.69	.64	.60	.58	.55	.51	.48	.46	.43	.38	.38	.38	.38
2	.83	.72	.64	.56	.77	.67	.59	.29	.57	.51	.45	.48	.43	.38	.39	.35	.32	.27	.27	.27	.27
3	.75	.62	.52	.44	.68	.57	.48	.22	.49	.41	.36	.40	.35	.30	.33	.29	.25	.21	.21	.21	.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
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4	39	39	38	37	37	38	39	40	40	40	39	38	37	37	38	39	39
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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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102	89	75	46	19	8	19	44	69	81	70	46	19	7	20	50	79	89
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104	80	68	39	20	8	18	40	58	74	66	41	18	8	20	47	71	80
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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
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171	25	18	25	27	26	26	24	17	26	30	30	27	26	28	31	32	25
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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] ðn
[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.