

Photometrics Pro

Luminaire Photometric Report

Filename: WL3101 - Wall Sconce - CCT - 10W - IES

Manufacturer: SARIN Energy Solutions

Lamp Output: 1 lamp, rated Lumens/lamp: 493.3

Max Candela: 150.9 at Horizontal: 0°, Vertical: 79°

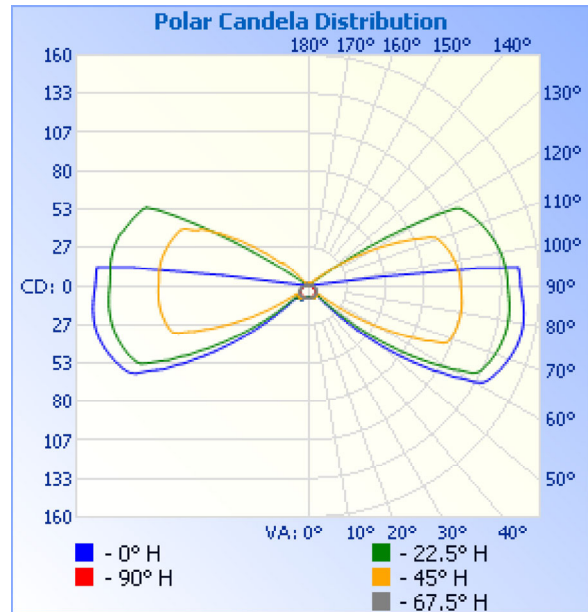
Input Wattage: 9.76609

Luminous Opening: Rectangle (L: 47.24", W: 23.62")

Test Date: 19 December 2019

Photometry : Type C

Nema Type: 6 X 4



Roadway Summary

Cutoff Classification:	NONCUTOFF	
Distribution:	TYPE IV, VERY SHORT	
Max Cd, 90 Deg Vert:	147.0	
Max Cd, 80 to <90 Deg:	150.8	
	Lumens	% Lamp
Downward Street Side:	150.8	30.6%
Downward House Side:	142.8	29%
Downward Total:	293.6	59.5%
Upward Street Side:	92.5	18.8%
Upward House Side:	107.2	21.7%
Upward Total:	199.7	40.5%
Total Lumens:	493.3	100%

Flood Summary

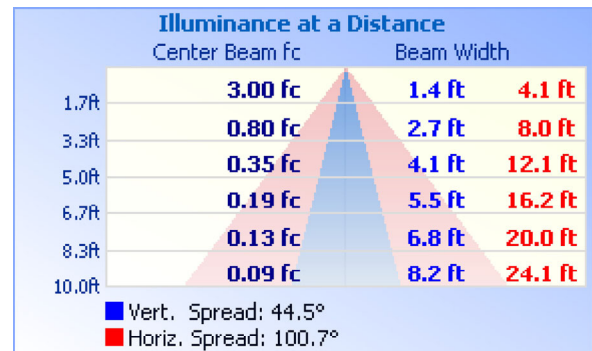
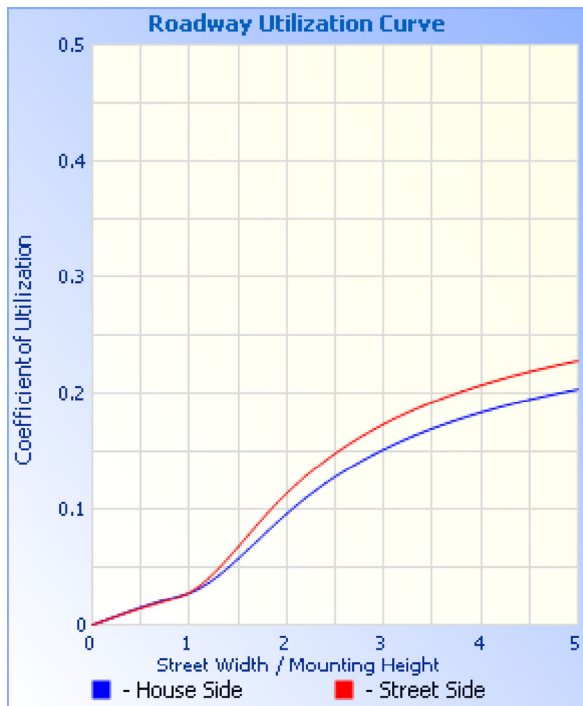
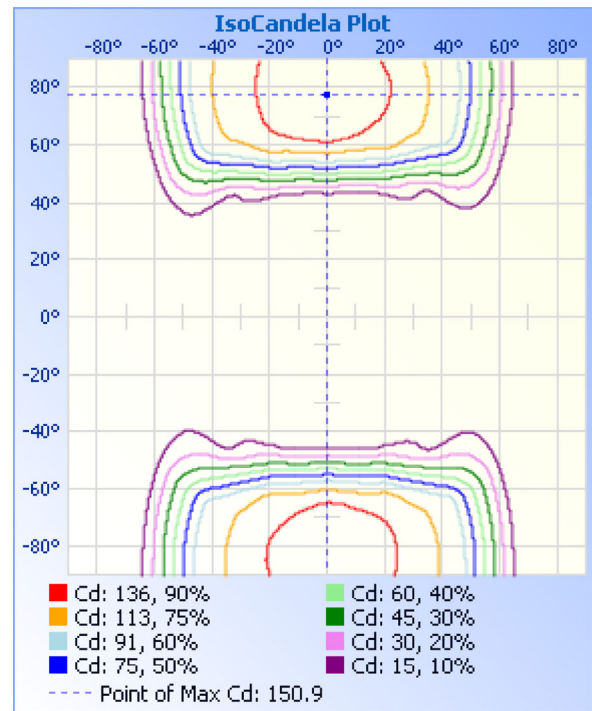
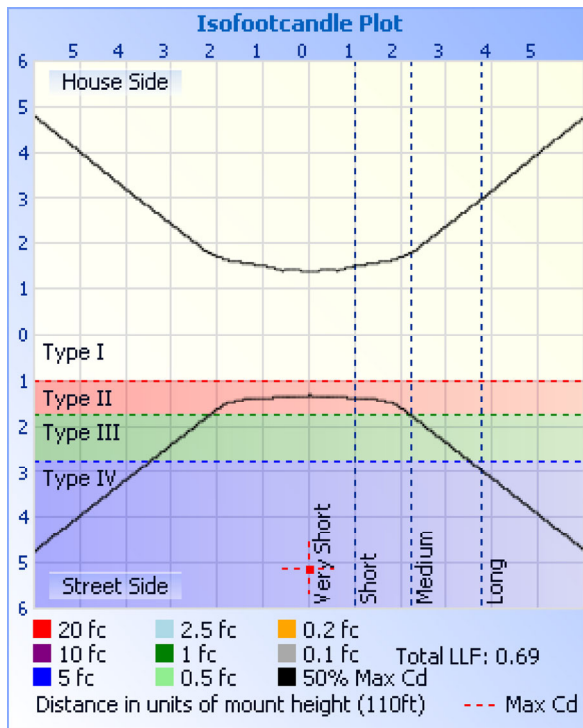
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	92.8%	457.8	128.5	54.2
Beam (50%):	73.6%	363.1	100.7	44.5
Total:	100%	493.3		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	7.5	1.5%	1.5%
0-40	13.3	2.7%	2.7%
0-60	55.3	11.2%	11.2%
60-90	238.3	48.3%	48.3%
70-100	247.8	50.2%	50.2%
90-120	183.5	37.2%	37.2%
0-90	293.6	59.5%	59.5%
90-180	199.7	40.5%	40.5%
0-180	493.4	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	0.8	0.2%	90-100	77.8	15.8%
10-20	2.5	0.5%	100-110	59.4	12%
20-30	4.2	0.9%	110-120	46.3	9.4%
30-40	5.8	1.2%	120-130	12.7	2.6%
40-50	9.4	1.9%	130-140	2.1	0.4%
50-60	32.6	6.6%	140-150	0.8	0.2%
60-70	68.3	13.8%	150-160	0.4	0.1%
70-80	83.8	17.0%	160-170	0.2	0%
80-90	86.2	17.5%	170-180	0.0	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	50	30	20	50	30	20	50	30	20	0
RCR: 0	1.09	1.09	1.09	1.09	1.02	1.02	1.02	.60	.89	.89	.89	.76	.76	.76	.65	.65	.65	.60	.60	.60	.60
1	.91	.82	.75	.68	.83	.76	.69	.32	.64	.58	.53	.53	.48	.45	.43	.39	.36	.31	.31	.31	.31
2	.79	.67	.57	.48	.72	.61	.52	.20	.51	.43	.37	.41	.35	.30	.32	.28	.24	.19	.19	.19	.19
3	.70	.56	.45	.36	.63	.51	.41	.14	.42	.34	.27	.34	.27	.22	.26	.21	.16	.12	.12	.12	.12

4	.63	.48	.37	.28	.57	.44	.34	.10	.36	.28	.21	.28	.22	.16	.12	.08
5	.57	.42	.31	.23	.52	.38	.28	.07	.31	.23	.17	.25	.18	.13	.19	.09
6	.52	.37	.26	.19	.47	.34	.24	.06	.28	.20	.14	.22	.16	.11	.17	.07
7	.48	.33	.23	.16	.44	.30	.21	.05	.25	.17	.12	.20	.14	.09	.15	.06
8	.44	.30	.20	.14	.40	.27	.19	.04	.22	.15	.10	.18	.12	.08	.14	.05
9	.41	.27	.18	.12	.38	.25	.16	.03	.20	.14	.09	.16	.11	.07	.13	.08
10	.39	.25	.16	.11	.35	.23	.15	.03	.19	.12	.08	.15	.10	.06	.12	.07

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
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166	0	0	1	1	1	1	1	1	0	0	0	1	1	1	0	0	0
167	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
168	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
169	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
170	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
171	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
172	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
173	0	0	1	1	1	1	1	0	0	0	0	1	1	1	0	0	0
174	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0
175	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0
176	0	0	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0
177	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0
178	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0
179	0	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0
180	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]
[TESTDATE] 19 December 2019
[TESTLAB]
[ISSUE DATE] 2019-12-19 10:03:59
[MANUFAC] SARIN Energy Solutions
[_TOTALLUMINAIRELUMENS] 493.4
[_LAMPPOSITION] 0,0
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17
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.