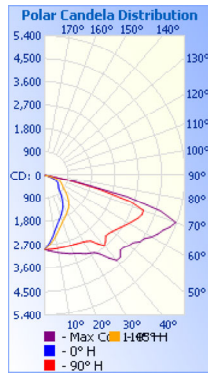


Photometrics Pro

Luminaire Photometric Report

Filename: Wall Pack WPP 100W
Manufacturer: SARIN Energy Inc.
Luminaire: SES-WPP-5700-100
Lamp Output: 1 lamp, rated Lumens/lamp: 10205
Max Candela: 5,382.1 at Horizontal: 110°, Vertical: 70°
Input Wattage: 93.2
Luminous Opening: Point
Test Date: 2016-08-09
Photometry: Type B
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE I, MEDIUM	
Max Cd, 90 Deg Vert:	38.8	
Max Cd, 80 to <90 Deg:	1,174.9	
	Lumens	% Lamp
Downward Street Side:	3,594.8	35.2%
Downward House Side:	7,900.9	77.4%
Downward Total:	11,495.7	112.6%
Total Lumens:	11,495.7	112.6%

Flood Summary

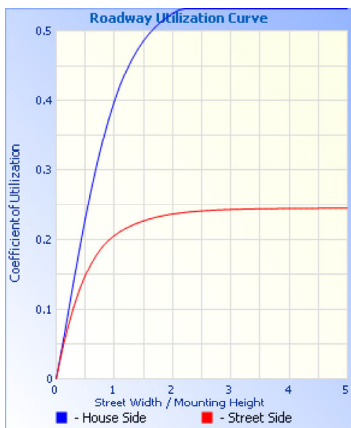
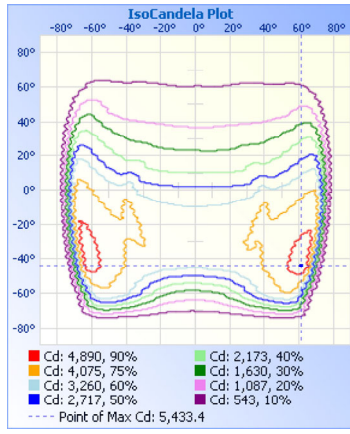
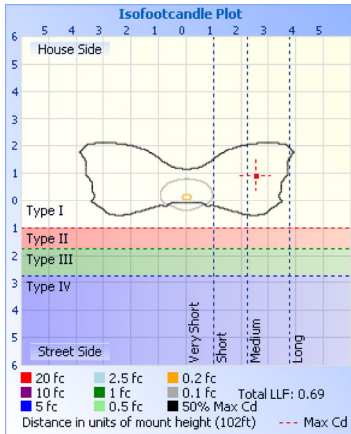
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	110.1%	11,231.7	145.4	133.6
Beam (50%):	75.7%	7,727.9	137.1	76.2
Total:	112.6%	11,492.9		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,290.0	22.4%	19.9%
0-40	3,995.2	39.1%	34.8%
0-60	8,199.2	80.3%	71.3%
60-90	3,296.5	32.3%	28.7%
0-90	11,495.7	112.6%	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	271.3	2.4%
10-20	779.0	6.8%
20-30	1,239.7	10.8%
30-40	1,705.2	14.8%
40-50	2,046.4	17.8%
50-60	2,157.7	18.8%
60-70	2,138.9	18.6%
70-80	1,078.6	9.4%
80-90	78.9	0.7%



Illuminance at a Distance

Center Beam fc	Beam Width
10.4 fc	26.2 ft 85.0 ft
2.61 fc	52.3 ft 169.5 ft
1.16 fc	78.5 ft 254.5 ft
0.65 fc	104.7 ft 339.5 ft
0.42 fc	130.7 ft 423.9 ft
0.29 fc	156.9 ft 508.9 ft

Vert. Spread: 76.2°
 Horiz. Spread: 137.1°

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	0	50	30	20	0	50	30	20	0	0
RCC: 0	1.34	1.34	1.34	1.34	1.31	1.31	1.31	1.13	1.25	1.25	1.25	1.20	1.20	1.20	1.20	1.15	1.15	1.15	1.15	1.13	
1	1.22	1.16	1.11	1.06	1.18	1.13	1.08	.93	1.08	1.04	1.01	1.04	1.01	.98	1.00	.97	.95	.92	.92	.92	
2	1.09	.99	.90	.83	1.06	.97	.89	.76	.93	.86	.80	.89	.83	.79	.85	.81	.77	.74	.74	.74	
3	.98	.85	.75	.67	.95	.83	.74	.62	.80	.72	.65	.77	.70	.64	.74	.68	.63	.60	.60	.60	
4	.89	.74	.63	.55	.86	.73	.63	.52	.70	.61	.54	.67	.59	.53	.65	.58	.52	.50	.50	.50	
5	.81	.65	.54	.46	.79	.64	.54	.44	.62	.52	.46	.59	.51	.45	.57	.50	.44	.42	.42	.42	
6	.74	.58	.47	.40	.72	.57	.47	.38	.55	.46	.39	.53	.45	.39	.51	.44	.38	.36	.36	.36	
7	.69	.52	.42	.34	.67	.51	.41	.33	.50	.40	.34	.48	.40	.34	.46	.39	.33	.31	.31	.31	
8	.64	.47	.37	.30	.62	.47	.37	.29	.45	.36	.30	.44	.35	.30	.42	.35	.29	.27	.27	.27	
9	.59	.43	.33	.27	.58	.43	.33	.26	.41	.33	.26	.40	.32	.26	.39	.31	.26	.24	.24	.24	
10	.55	.40	.30	.24	.54	.39	.30	.23	.38	.30	.24	.37	.29	.24	.36	.29	.24	.21	.21	.21	

Candela Table - Type B

Table with 30 columns (labeled -90 to -50) and 30 rows (labeled 90 to -68). Each cell contains a numerical value representing photometric data.

-70	14	15	16	16	17	17	18	19	20	22	24	27	31	35	40	46	53	64	86	120	168	240	337	453	584	721	857	982	1090	1179	1253	1312	1357	1392	1417	1436	1450	1458	1456	1443	142			
-72	12	13	14	15	16	16	17	17	17	18	18	19	21	24	27	30	35	40	46	55	69	90	120	165	225	297	379	465	550	630	699	758	809	851	886	912	933	949	960	965	96			
-74	14	15	16	16	17	17	16	16	17	17	18	20	23	26	30	34	40	45	52	61	73	90	113	142	174	208	243	277	309	337	365	391	414	433	449	461	470	473	470	462	45			
-76	12	13	14	14	15	16	16	16	16	16	16	16	17	18	20	23	26	30	35	39	41	44	46	50	54	60	67	75	84	95	106	119	134	151	167	181	193	204	210	212	209			
-78	13	14	15	16	16	16	16	15	15	15	16	17	19	21	24	27	31	34	37	39	41	44	48	53	59	66	74	82	92	104	116	131	144	156	167	176	182	183	181	175	169			
-80	12	13	13	14	15	16	16	15	15	15	15	15	16	18	19	22	25	28	30	32	34	36	38	41	46	51	56	63	70	79	88	99	111	122	132	141	148	153	154	15				
-82	13	14	15	15	16	15	15	15	15	14	15	16	17	18	19	22	24	26	28	29	30	32	35	38	42	47	52	58	65	72	81	90	99	107	114	120	124	125	123	120	111			
-84	13	13	13	14	15	15	15	15	15	14	14	14	14	15	15	16	17	19	21	22	23	24	25	26	28	31	34	38	42	46	51	57	63	70	77	83	88	92	95	96	91			
-86	13	14	15	15	15	15	14	14	14	14	14	14	14	15	15	16	17	18	19	19	20	21	22	24	26	28	31	34	37	41	45	50	54	58	62	65	66	67	66	64	6			
-88	13	13	13	14	15	15	15	14	14	14	14	13	13	13	13	13	13	13	13	14	14	14	14	14	14	14	15	16	16	18	19	20	22	23	25	27	30	32	34	35	37	38	38	3
-90	13	14	14	15	14	14	14	14	13	13	12	12	12	11	11	10	10	10	9	9	9	9	9	9	9	9	9	10	9	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9

Luminaire Report Summary

IESNA: LM-63-2002
[TEST]
[TESTDATE] 2016-08-09
[TESTLAB]
[ISSUEDATE] 2016-08-10 21:55:50
[MANUFAC] SARIN Energy Inc.
[LUMINAIRE] SES-WPP-5700-100
[_TOTALLUMINAIRELUMENS] 11492.9
[_LAMPPOSITION] 0,0
[OTHER] EVERFINE GO-2000B_V1 SYSTEM
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 181
FILE: COORDINATE SYSTEM: TYPE B
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.