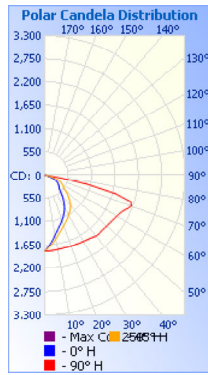


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Wall Pack WPP 60W  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-WPP-5700-60  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 37861  
**Max Candela:** 3,210.4 at Horizontal: 250°, Vertical: 70°  
**Input Wattage:** 60.7  
**Luminous Opening:** Point  
**Test Date:** 2016-08-10  
**Photometry :** Type B  
**Nema Type:** 7 X 7



### Roadway Summary

Cutoff Classification:	CUTOFF
Distribution:	TYPE I, MEDIUM
Max Cd, 90 Deg Vert:	93.4
Max Cd, 80 to <90 Deg:	1,168.6
Lumens % Lamp	
Downward Street Side:	2,250.2 5.9%
Downward House Side:	4,888.3 12.9%
Downward Total:	7,138.4 18.9%
Total Lumens:	7,138.4 18.9%

### Flood Summary

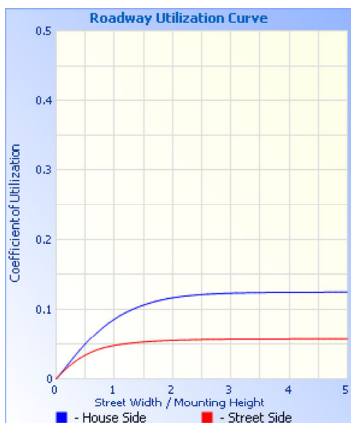
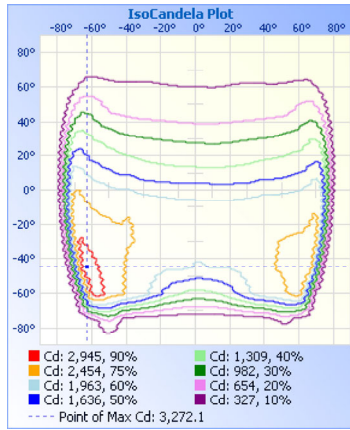
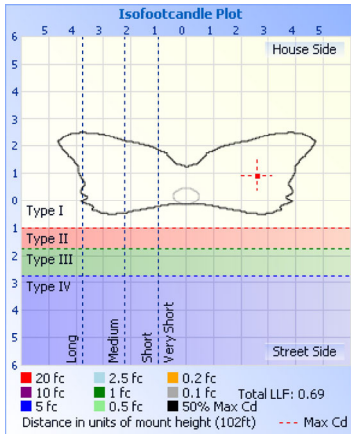
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	18.4%	6,977.1	148.3	139.3
Beam (50%):	12.7%	4,795.4	139.9	84.3
Total:	18.9%	7,136.8		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,441.6	3.8%	20.2%
0-40	2,465.1	6.5%	34.5%
0-60	4,973.3	13.1%	69.7%
60-90	2,165.1	5.7%	30.3%
0-90	7,138.4	18.9%	100%

### Lumens Per Zone

Zone	Lumens	% Total
0-10	170.1	2.4%
10-20	492.1	6.9%
20-30	779.5	10.9%
30-40	1,023.5	14.3%
40-50	1,206.5	16.9%
50-60	1,301.7	18.2%
60-70	1,307.3	18.3%
70-80	777.7	10.9%
80-90	80.1	1.1%



### Illuminance at a Distance

Center Beam fc	Beam Width
6.47 fc	30.3 ft 91.5 ft
1.63 fc	60.3 ft 182.4 ft
0.72 fc	90.6 ft 273.9 ft
0.41 fc	120.8 ft 365.4 ft
0.26 fc	150.9 ft 456.3 ft
0.18 fc	181.2 ft 547.8 ft

Vert. Spread: 84.3°  
 Horiz. Spread: 139.9°

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	0	0	
RCR: 0	.22	.22	.22	.22	.22	.22	.22	.19	.21	.21	.21	.20	.20	.20	.19	.19	.19
1	.20	.19	.18	.18	.20	.19	.18	.15	.18	.17	.17	.17	.17	.16	.17	.16	.15
2	.18	.16	.15	.14	.18	.16	.15	.13	.15	.14	.13	.15	.14	.13	.14	.13	.12
3	.16	.14	.12	.11	.16	.14	.12	.10	.13	.12	.11	.13	.12	.11	.12	.11	.10
4	.15	.12	.10	.09	.14	.12	.10	.09	.12	.10	.09	.11	.10	.09	.11	.10	.09
5	.14	.11	.09	.08	.13	.11	.09	.07	.10	.09	.08	.10	.08	.07	.09	.08	.07
6	.12	.10	.08	.07	.12	.09	.08	.06	.09	.08	.06	.09	.07	.06	.08	.07	.06
7	.11	.09	.07	.06	.11	.09	.07	.05	.08	.07	.06	.08	.07	.06	.08	.06	.05
8	.11	.08	.06	.05	.10	.08	.06	.05	.07	.06	.05	.07	.06	.05	.07	.06	.05
9	.10	.07	.06	.04	.10	.07	.06	.04	.07	.05	.04	.07	.05	.04	.06	.05	.04
10	.09	.07	.05	.04	.09	.07	.05	.04	.06	.05	.04	.06	.05	.04	.06	.05	.04

Candela Table - Type B

Table with 20 columns (labeled -90 to -50) and 20 rows (labeled 90 to -68). Each cell contains a numerical value representing photometric data.

-70	9	11	12	12	12	13	13	14	15	16	17	18	20	22	24	27	34	48	76	118	173	247	345	463	592	721	842	955	1048	1120	1177	1223	1262	1298	1330	1355	1371	1375	1369	1353	1321		
-72	7	8	9	11	12	12	12	12	13	13	13	14	15	16	18	19	21	24	29	38	56	82	116	161	221	293	373	453	530	605	672	729	783	835	885	935	985	1029	1062	1082	1081	1081	
-74	9	10	12	12	12	12	12	12	13	14	15	16	17	18	21	24	29	36	46	58	75	97	123	154	185	218	255	295	338	389	447	508	572	639	702	753	788	804	801	781	781		
-76	7	8	9	10	12	12	12	12	11	11	12	12	13	14	15	16	18	21	23	25	27	28	30	33	36	41	49	59	75	100	133	180	237	299	365	435	503	559	598	611	611		
-78	9	10	11	12	12	12	11	11	11	12	12	13	14	14	15	17	19	21	23	24	25	27	29	32	36	43	51	66	87	115	155	204	257	314	374	432	480	514	531	532	511	511	
-80	8	8	9	10	11	12	12	11	11	11	11	12	12	13	13	14	15	17	19	20	21	22	23	25	28	31	37	44	56	73	97	130	171	215	263	313	361	401	429	441	441		
-82	8	10	11	12	12	11	11	11	11	11	12	12	12	13	14	15	16	18	18	19	20	21	23	26	31	37	46	60	79	106	138	174	211	252	290	322	344	356	357	341	341		
-84	8	8	8	10	11	11	11	11	11	11	11	11	11	11	11	12	12	12	13	14	15	16	16	17	18	19	21	25	29	36	47	61	81	106	132	160	190	219	243	260	261		
-86	8	10	11	11	11	11	11	11	11	11	10	11	11	11	11	11	11	11	12	12	13	13	13	14	15	16	19	22	26	33	43	56	73	90	109	129	148	164	175	181	181	171	
-88	8	8	8	9	11	11	11	11	11	11	10	10	10	10	10	10	10	9	10	10	10	10	10	10	10	11	11	13	14	17	20	25	32	40	48	58	68	77	85	91	91	91	
-90	8	9	10	11	11	11	11	10	10	10	10	9	9	9	8	8	8	7	7	7	7	7	7	6	6	7	7	7	7	7	7	7	7	7	7	7	6	6	6	6	6	6	6

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST]  
[TESTDATE] 2016-08-10  
[TESTLAB]  
[ISSUEDATE] 2016-08-10 21:53:18  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-WPP-5700-60  
[\_TOTALLUMINAIRELUMENS] 7136.8  
[\_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.