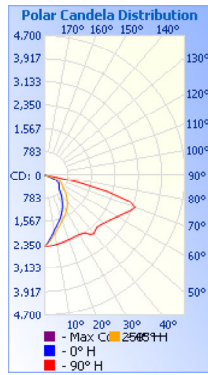


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Wall Pack WPP 80W  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-WPP-5700-80  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 14383  
**Max Candela:** 4,661.4 at Horizontal: 250°, Vertical: 70°  
**Input Wattage:** 80.8  
**Luminous Opening:** Point  
**Test Date:** 2016-08-09  
**Photometry:** Type B  
**Nema Type:** 7 X 7

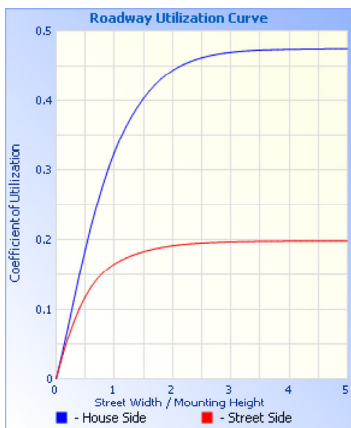
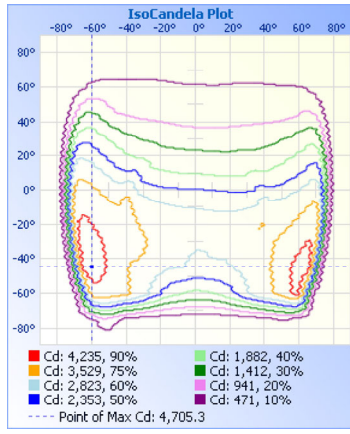
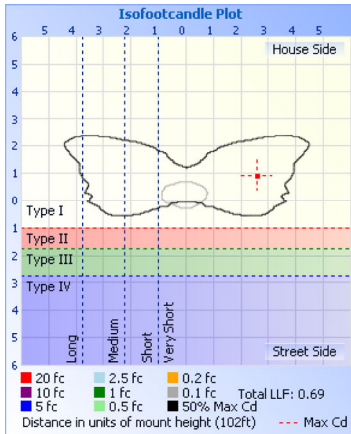


Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE I, MEDIUM	
Max Cd, 90 Deg Vert:	106.0	
Max Cd, 80 to <90 Deg:	1,521.1	
	Lumens	% Lamp
Downward Street Side:	3,095.3	21.5%
Downward House Side:	7,108.6	49.4%
Downward Total:	10,204.0	70.9%
Total Lumens:	10,204.0	70.9%

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	69.4%	9,983.7	147.4	132.2
Beam (50%):	47.8%	6,871.1	139.1	71.8
Total:	70.9%	10,201.9		

Zone	Lumens	% Lamp	% Luminaire
0-30	1,947.0	13.5%	19.1%
0-40	3,381.2	23.5%	33.1%
0-60	7,042.8	49%	69%
60-90	3,161.3	22%	31%
0-90	10,204.1	70.9%	100%

Zone	Lumens	% Total
0-10	227.5	2.2%
10-20	662.5	6.5%
20-30	1,057.1	10.4%
30-40	1,434.1	14.1%
40-50	1,742.5	17.1%
50-60	1,919.1	18.8%
60-70	1,982.7	19.4%
70-80	1,081.3	10.6%
80-90	97.4	1.0%



	Center Beam fc	Beam Width
16.7ft	8.64 fc	24.2 ft 89.6 ft
33.3ft	2.17 fc	48.2 ft 178.6 ft
50.0ft	0.96 fc	72.4 ft 268.2 ft
66.7ft	0.54 fc	96.6 ft 357.8 ft
83.3ft	0.35 fc	120.7 ft 446.8 ft
100.0ft	0.24 fc	144.9 ft 536.4 ft

Vert. Spread: 71.8°  
 Horiz. Spread: 139.1°

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	50	30	20	0	0		
RCR: 0	.84	.84	.84	.84	.82	.82	.82	.71	.79	.79	.79	.75	.75	.75	.72	.72	.72	.71
1	.76	.72	.69	.66	.74	.71	.68	.58	.68	.65	.63	.65	.63	.61	.62	.61	.59	.58
2	.68	.62	.56	.52	.66	.60	.55	.47	.58	.53	.50	.55	.52	.49	.53	.50	.47	.46
3	.61	.53	.46	.41	.59	.52	.46	.38	.50	.44	.40	.48	.43	.39	.46	.42	.39	.37
4	.55	.46	.39	.34	.54	.45	.39	.32	.43	.38	.33	.41	.37	.33	.40	.36	.32	.30
5	.51	.40	.33	.28	.49	.40	.33	.27	.38	.32	.28	.37	.31	.27	.35	.31	.27	.25
6	.46	.36	.29	.24	.45	.35	.29	.23	.34	.28	.24	.33	.27	.23	.32	.27	.23	.22
7	.43	.32	.26	.21	.41	.32	.25	.20	.31	.25	.21	.29	.24	.20	.28	.24	.20	.19
8	.40	.29	.23	.18	.38	.29	.23	.18	.28	.22	.18	.27	.22	.18	.26	.21	.18	.16
9	.37	.27	.20	.16	.36	.26	.20	.16	.25	.20	.16	.25	.20	.16	.24	.19	.16	.14
10	.34	.24	.19	.15	.33	.24	.18	.14	.23	.18	.14	.23	.18	.14	.22	.17	.14	.13

Candela Table - Type B

Table with 31 columns (labeled -90 to -50) and 31 rows (labeled 90 to -68). Each cell contains a numerical value representing photometric data.

-70	12	13	13	13	13	14	15	17	20	23	26	29	33	37	43	49	59	80	117	170	249	353	479	624	783	946	1108	1257	1382	1485	1566	1630	1682	1725	1761	1790	1807	1812	1803	1779	174:			
-72	11	11	12	12	13	13	13	13	14	16	18	20	23	26	30	34	39	45	53	67	90	123	172	237	317	410	513	620	730	835	930	1015	1092	1162	1225	1280	1326	1362	1383	1389	1388			
-74	12	12	13	13	13	13	13	14	16	18	21	24	27	31	35	41	47	54	64	76	95	122	155	196	243	294	352	414	478	545	618	694	768	835	891	934	959	966	956	931	89			
-76	11	11	12	12	13	13	13	13	13	14	15	17	19	21	24	28	32	37	42	45	48	50	54	60	70	83	101	123	152	190	236	290	356	430	504	572	630	672	697	705	699			
-78	12	12	13	13	13	13	13	13	15	16	18	20	22	25	29	33	37	40	42	44	47	53	61	72	88	107	132	164	203	250	306	370	433	492	541	577	599	605	597	577	54			
-80	11	11	12	12	13	13	13	13	13	14	15	17	18	20	23	26	29	32	35	36	38	41	45	52	62	75	90	111	138	171	210	257	309	362	411	452	482	500	505	499				
-82	12	12	13	13	13	12	12	13	14	15	16	17	18	20	22	25	28	29	31	32	34	38	43	51	61	74	91	112	138	170	207	249	292	330	363	388	402	406	401	387	36:			
-84	11	11	12	12	12	13	13	12	12	13	13	14	14	15	16	17	19	21	23	24	25	26	28	30	34	40	48	58	70	86	106	129	157	189	221	250	274	293	303	306	30:			
-86	12	12	12	13	12	12	12	12	13	13	13	14	14	15	16	17	18	19	20	20	21	23	26	30	35	41	49	60	73	89	108	129	150	169	186	198	205	207	204	197	18			
-88	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	14	14	14	15	15	17	19	21	25	29	34	41	49	58	69	79	89	97	103	106	107	10			
-90	11	12	12	12	12	12	12	11	11	11	11	10	10	10	10	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	.

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST]  
[TESTDATE] 2016-08-09  
[TESTLAB]  
[ISSUEDATE] 2016-08-10 21:55:09  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-WPP-5700-80  
[\_TOTALLUMINAIRELUMENS] 10201.9  
[\_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

Photometrics Pro 1.3.29 copyright 2003-2019 by jSolutions, Inc.  
Reported data calculated from manufacturer's data file, based on IES recommended methods.