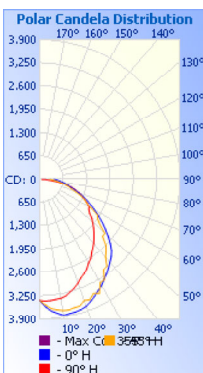


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Wall Pack WPN 100W  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-WPN-5700-100  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 10854  
**Max Candela:** 3,868.8 at Horizontal: 355°, Vertical: 10°  
**Input Wattage:** 101.8  
**Luminous Opening:** Point  
**Test Date:** 2016-08-26  
**Photometry:** Type B  
**Nema Type:** 7 X 5



### Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE II, VERY SHORT	
Max Cd, 90 Deg Vert:	514.6	
Max Cd, 80 to <90 Deg:	826.8	
	Lumens	% Lamp
Downward Street Side:	5,654.7	52.1%
Downward House Side:	5,195.6	47.9%
Downward Total:	10,850.3	100%
Total Lumens:	10,850.3	100%

### Flood Summary

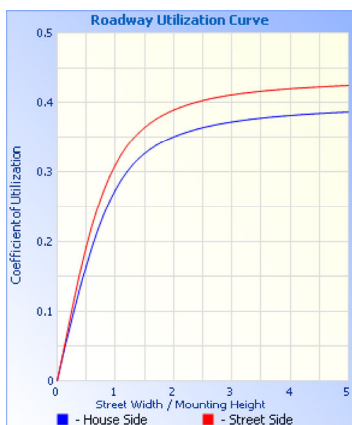
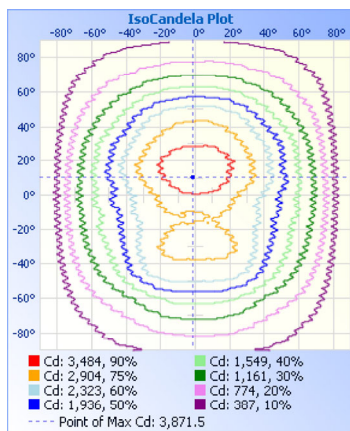
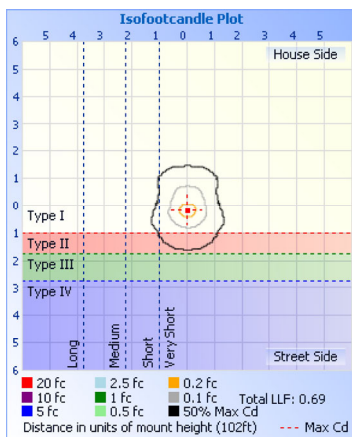
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.8%	10,728.5	161.3	80
Beam (50%):	66.6%	7,231.8	103.2	113.5
Total:	99.9%	10,847.1		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,718.7	25%	25.1%
0-40	4,527.3	41.7%	41.7%
0-60	8,156.4	75.1%	75.2%
60-90	2,693.4	24.8%	24.8%
0-90	10,849.8	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total
0-10	321.2	3.0%
10-20	935.9	8.6%
20-30	1,461.6	13.5%
30-40	1,808.6	16.7%
40-50	1,903.4	17.5%
50-60	1,725.7	15.9%
60-70	1,338.5	12.3%
70-80	883.0	8.1%
80-90	471.9	4.3%



### Illuminance at a Distance

	Center Beam fc	Beam Width
16.7ft	12.2 fc	50.9 ft 42.2 ft
33.3ft	3.06 fc	101.5 ft 84.1 ft
50.0ft	1.36 fc	152.5 ft 126.3 ft
66.7ft	0.76 fc	203.4 ft 168.4 ft
83.3ft	0.49 fc	254.0 ft 210.4 ft
100.0ft	0.34 fc	305.0 ft 252.5 ft

Vert. Spread: 113.5°  
 Horiz. Spread: 103.2°

### 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	0	0	0	
RCC: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
1	1.07	1.02	.97	.93	1.05	1.00	.96	.82	.96	.92	.89	.92	.89	.86	.88	.86	.83	.81	.81	.81	.81	.81	.81	.81	.81
2	.97	.88	.81	.75	.95	.87	.80	.68	.83	.77	.72	.80	.75	.71	.76	.73	.69	.67	.67	.67	.67	.67	.67	.67	.67
3	.88	.77	.69	.62	.86	.76	.68	.58	.73	.66	.60	.70	.64	.59	.67	.62	.58	.56	.56	.56	.56	.56	.56	.56	.56
4	.81	.68	.59	.52	.78	.67	.58	.49	.64	.57	.51	.62	.56	.50	.60	.54	.50	.47	.47	.47	.47	.47	.47	.47	.47
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44	.56	.49	.43	.54	.48	.43	.41	.41	.41	.41	.41	.41	.41	.41
6	.68	.55	.45	.39	.66	.54	.45	.37	.52	.44	.38	.50	.43	.38	.49	.42	.38	.35	.35	.35	.35	.35	.35	.35	.35
7	.63	.49	.40	.34	.62	.49	.40	.33	.47	.39	.34	.46	.39	.33	.44	.38	.33	.31	.31	.31	.31	.31	.31	.31	.31
8	.59	.45	.36	.30	.57	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.28	.28	.28	.28	.28	.28	.28	.28
9	.55	.41	.33	.27	.54	.41	.33	.27	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25	.25	.25	.25	.25	.25	.25	.25
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.29	.24	.36	.29	.24	.35	.29	.24	.22	.22	.22	.22	.22	.22	.22	.22

Candela Table - Type B

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

-70	118	122	126	131	137	144	152	162	172	183	195	208	222	236	250	266	281	297	314	332	349	367	385	402	420	437	452	466	482	499	514	529	543	558	573	589	604	619	635	649	662
-72	110	112	114	115	118	121	126	130	136	142	150	158	167	177	187	198	210	222	235	248	262	276	291	306	322	337	353	368	383	399	413	425	440	456	471	484	497	511	526	541	556
-74	117	121	125	130	135	140	147	154	162	170	179	189	198	209	219	231	243	255	267	281	294	307	321	334	347	361	373	385	397	412	427	439	451	465	479	494	507	520	533	545	557
-76	112	113	114	115	117	120	124	129	133	139	145	151	158	166	174	182	191	200	209	220	230	241	252	264	276	288	299	311	323	335	346	357	368	382	396	407	418	431	444	458	470
-78	116	119	123	127	132	137	143	149	156	164	171	179	188	196	205	215	225	235	245	256	267	278	289	299	310	321	332	342	352	365	377	387	397	409	422	434	445	455	466	476	486
-80	114	114	114	114	115	118	122	126	130	135	141	148	154	161	169	176	184	193	201	210	219	229	238	248	258	268	278	288	298	308	317	326	336	347	359	368	377	388	399	409	419
-82	115	117	120	124	129	134	139	146	152	159	166	173	181	189	197	205	214	223	232	240	249	258	267	276	285	294	303	311	320	330	340	348	357	366	376	385	394	402	410	418	427
-84	116	115	114	113	114	116	119	123	127	132	138	144	150	157	163	170	178	185	193	201	208	216	225	233	241	249	257	265	273	281	289	296	304	313	321	329	336	344	353	361	369
-86	113	115	118	121	126	130	136	142	148	154	161	168	174	181	189	196	203	210	218	225	232	239	246	253	260	267	274	281	288	295	303	309	316	323	330	337	343	349	355	361	367
-88	118	116	114	113	113	114	116	120	124	129	134	140	146	152	158	165	171	178	184	191	198	204	211	217	223	229	235	241	248	254	260	266	272	278	284	290	296	301	307	313	318
-90	112	113	115	119	123	127	132	138	144	150	156	162	168	174	180	186	192	198	204	209	214	219	225	230	235	240	246	251	256	261	266	271	275	280	285	289	292	296	299	303	307

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST]  
[TESTDATE] 2016-08-26  
[TESTLAB]  
[ISSUEDATE] 2016-08-31 21:10:14  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-WPN-5700-100  
[\_LAMPPOSITION] 0,0  
[\_TOTALLUMINAIRELUMENS] 10847.1  
[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.