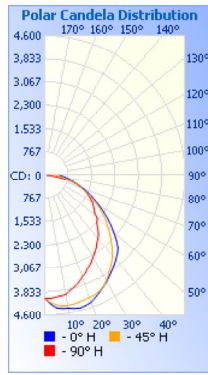


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Wall Pack WPN 120W  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-WPN-5700-120  
**Lamp Output:** 1 lamp, rated Lumens/lamp: 12753  
**Max Candela:** 4,522.1 at Horizontal: 0°, Vertical: 15°  
**Input Wattage:** 121.9  
**Luminous Opening:** Point  
**Test Date:** 2016-08-26  
**Photometry :** Type B  
**Nema Type:** 7 X 5

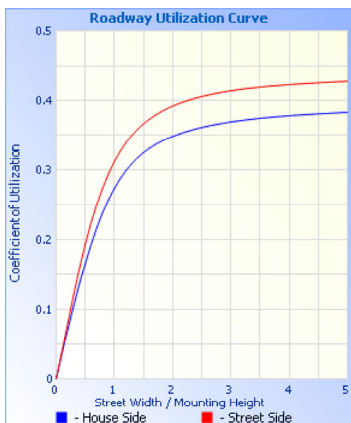
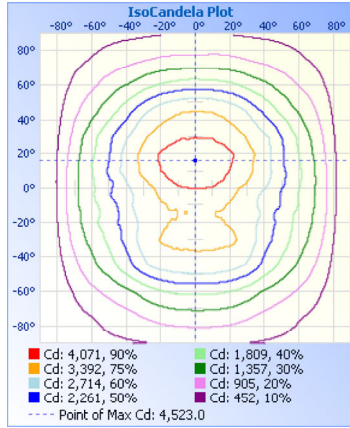
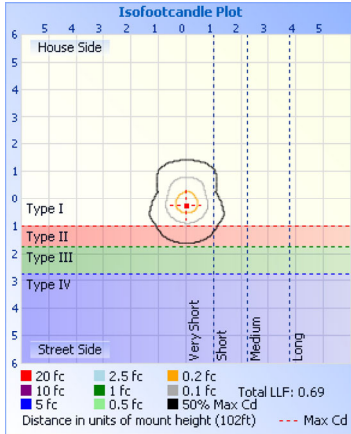


Roadway Summary			
Cutoff Classification:	SEMICUTOFF		
Distribution:	TYPE II, VERY SHORT		
Max Cd, 90 Deg Vert:	572.1		
Max Cd, 80 to <90 Deg:	925.7		
	Lumens	% Lamp	
Downward Street Side:	6,709.2	52.6%	
Downward House Side:	6,047.4	47.4%	
Downward Total:	12,756.6	100%	
Total Lumens:	12,756.6	100%	

Flood Summary			
	Efficiency	Lumens	Horizontal Spread
Field (10%):	98.9%	12,618.7	161.9
Beam (50%):	67%	8,540.4	101.2
Total:	100%	12,752.8	

Zonal Lumen Summary			
Zone	Lumens	% Lamp	% Luminaire
0-30	3,198.7	25.1%	25.1%
0-40	5,327.5	41.8%	41.8%
0-60	9,596.6	75.2%	75.2%
60-90	3,159.4	24.8%	24.8%
0-90	12,755.9	100%	100%

Lumens Per Zone		
Zone	Lumens	% Total
0-10	380.6	3.0%
10-20	1,100.6	8.6%
20-30	1,717.6	13.5%
30-40	2,128.8	16.7%
40-50	2,243.3	17.6%
50-60	2,025.8	15.9%
60-70	1,570.1	12.3%
70-80	1,035.3	8.1%
80-90	554.0	4.3%



Height	Illuminance at a Distance	
	Center Beam fc	Beam Width
16.7ft	14.6 fc	50.6 ft 40.7 ft
33.3ft	3.66 fc	100.6 ft 81.1 ft
50.0ft	1.62 fc	151.4 ft 121.8 ft
66.7ft	0.91 fc	202.0 ft 162.4 ft
83.3ft	0.59 fc	252.2 ft 202.8 ft
100.0ft	0.41 fc	302.8 ft 243.5 ft

Vert. Spread: 113.1°  
 Horiz. Spread: 101.2°

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
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.00	1.11	1.11	1.11	1.11	1.06	1.06	1.06	1.06	1.02	1.02	1.02	1.02	1.00	1.00	1.00	1.00
1	1.08	1.02	.97	.93	1.05	1.00	.96	.82	.96	.92	.89	.89	.92	.89	.86	.86	.88	.86	.83	.83	.81	.81	.81	.81
2	.97	.89	.81	.75	.95	.87	.80	.68	.83	.77	.72	.72	.80	.75	.71	.71	.77	.73	.69	.69	.67	.67	.67	.67
3	.89	.77	.69	.62	.86	.76	.68	.58	.73	.66	.60	.60	.70	.64	.59	.59	.67	.62	.58	.58	.56	.56	.56	.56
4	.81	.68	.59	.52	.79	.67	.58	.49	.64	.57	.51	.51	.62	.56	.50	.50	.60	.54	.50	.50	.47	.47	.47	.47
5	.74	.61	.52	.45	.72	.60	.51	.43	.58	.50	.44	.44	.56	.49	.43	.43	.54	.48	.43	.43	.41	.41	.41	.41
6	.69	.55	.46	.39	.67	.54	.45	.37	.52	.44	.38	.38	.50	.43	.38	.38	.49	.42	.38	.38	.35	.35	.35	.35
7	.63	.50	.41	.34	.62	.49	.40	.33	.47	.39	.34	.34	.46	.39	.34	.34	.44	.38	.33	.33	.31	.31	.31	.31
8	.59	.45	.36	.30	.57	.44	.36	.30	.43	.36	.30	.30	.42	.35	.30	.30	.41	.34	.30	.30	.28	.28	.28	.28
9	.55	.41	.33	.27	.54	.41	.33	.27	.40	.32	.27	.27	.39	.32	.27	.27	.37	.31	.27	.27	.25	.25	.25	.25
10	.52	.38	.30	.25	.50	.38	.30	.24	.37	.29	.25	.25	.36	.29	.24	.24	.35	.29	.24	.24	.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 a numerical value representing photometric data.

-70	130	134	138	145	152	160	168	177	187	199	212	224	238	253	268	284	300	317	335	353	371	390	410	429	448	468	488	504	526	543	561	576	591	612	623	638	663	681	691	712	727
-72	130	134	138	145	152	159	167	175	184	194	206	217	229	242	256	270	284	298	313	329	345	362	379	395	412	430	447	462	481	497	513	528	542	560	571	586	607	627	636	655	668
-74	130	134	137	145	151	158	166	173	181	190	200	209	220	231	243	255	267	279	292	305	319	333	348	362	376	392	407	421	436	450	466	479	493	508	520	533	551	572	580	598	609
-76	131	134	137	144	150	157	164	170	178	186	195	204	214	224	234	246	256	267	279	290	302	315	328	340	353	367	380	393	406	419	433	446	459	471	483	496	511	532	539	555	565
-78	131	133	136	142	148	154	162	168	175	184	193	202	211	221	231	241	252	262	273	284	295	307	319	330	342	355	367	379	391	403	416	428	440	451	462	474	487	505	512	527	535
-80	131	133	135	140	146	152	159	166	173	181	190	199	208	217	227	237	247	257	267	278	288	299	310	321	332	343	354	366	377	387	399	410	421	431	441	451	463	479	486	498	506
-82	131	132	134	138	144	150	157	163	170	179	188	196	205	214	223	233	243	252	262	271	281	291	301	311	321	331	341	352	362	372	382	392	401	411	419	429	440	453	459	470	477
-84	131	132	133	136	141	148	154	161	168	176	185	193	202	210	220	229	238	247	256	265	274	283	292	301	310	319	328	338	347	356	365	374	382	390	398	406	416	427	432	441	447
-86	131	131	132	134	139	145	152	158	165	174	183	191	199	207	216	225	233	242	250	258	266	275	283	291	299	308	315	324	332	340	348	356	363	370	377	384	392	401	406	413	418
-88	131	131	131	132	137	143	150	156	163	171	180	188	196	204	212	221	229	236	245	252	259	267	274	281	289	296	303	310	317	324	331	338	344	350	355	361	368	374	379	384	389
-90	131	130	130	130	135	141	147	153	161	169	177	185	192	200	209	216	224	231	239	246	252	259	265	272	278	284	290	296	302	308	314	319	325	330	334	339	344	348	352	356	359

**Luminaire Report Summary**

IESNA: LM-63-2002  
[TEST]  
[TESTDATE] 2016-08-26  
[TESTLAB]  
[ISSUEDATE] 2016-08-31 21:10:32  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-WPN-5700-120  
[\_LAMPPOSITION] 0,0  
[\_TOTALLUMINAIRELUMENS] 12752.8  
[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.