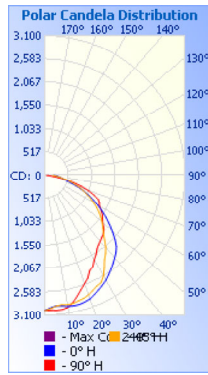


Photometrics Pro

Luminaire Photometric Report

Filename: Wall Pack WPN 80W
Manufacturer: SARIN Energy Inc.
Luminaire: SES-WPN-5700-80
Lamp Output: 1 lamp, rated Lumens/lamp: 8631.4
Max Candela: 3,021.7 at Horizontal: 240°, Vertical: 7.5°
Input Wattage: 80.9
Luminous Opening: Point
Test Date: 2016-08-26
Photometry: Type B
Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	SEMICUTOFF
Distribution:	Type VS
Max Cd, 90 Deg Vert:	281.2
Max Cd, 80 to <90 Deg:	475.5
Lumens % Lamp	
Downward Street Side:	4,358.2 50.5%
Downward House Side:	4,275.2 49.5%
Downward Total:	8,633.4 100%
Total Lumens:	8,633.4 100%

Flood Summary

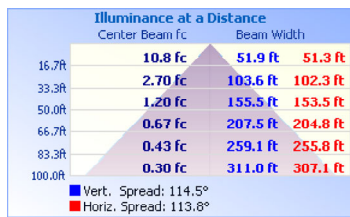
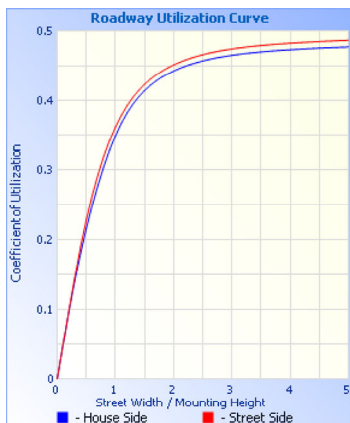
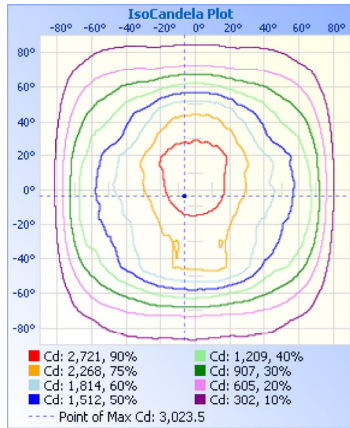
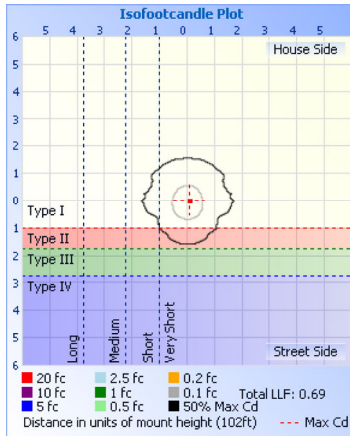
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	8,478.3	161.7	171.1
Beam (50%):	70.5%	6,085.9	113.8	114.5
Total:	100%	8,630.3		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,248.9	26.1%	26.1%
0-40	3,660.7	42.4%	42.4%
0-60	6,597.3	76.4%	76.4%
60-90	2,035.5	23.6%	23.6%
0-90	8,632.8	100%	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	282.1	3.3%
10-20	794.3	9.2%
20-30	1,172.4	13.6%
30-40	1,411.8	16.4%
40-50	1,528.4	17.7%
50-60	1,408.2	16.3%
60-70	1,093.3	12.7%
70-80	645.9	7.5%
80-90	296.3	3.4%



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			
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	1.02	1.02	1.02	1.02	1.00	1.00			
1	1.08	1.03	.98	.94	1.05	1.01	.96	.83	.96	.93	.90	.87	.92	.89	.87	.84	.89	.86	.84	.82	.82			
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.73	.70	.80	.76	.72	.77	.77	.73	.70	.68	.68			
3	.89	.78	.70	.63	.87	.77	.69	.59	.73	.67	.61	.58	.71	.65	.60	.68	.68	.63	.59	.57	.57			
4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.50	.63	.56	.51	.61	.61	.55	.50	.48	.48			
5	.75	.62	.52	.46	.73	.60	.52	.44	.58	.51	.45	.44	.56	.50	.44	.54	.54	.48	.44	.42	.42			
6	.69	.55	.46	.40	.67	.54	.46	.38	.53	.45	.39	.39	.51	.44	.39	.49	.49	.43	.38	.36	.36			
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.35	.35	.46	.39	.34	.45	.45	.39	.34	.32	.32			
8	.60	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.31	.42	.36	.31	.41	.41	.35	.30	.28	.28			
9	.56	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.28	.39	.32	.28	.38	.38	.32	.27	.26	.26			
10	.52	.39	.31	.25	.51	.38	.30	.25	.37	.30	.25	.25	.36	.30	.25	.35	.35	.29	.25	.23	.23			

Candela Table - Type B

Table with 49 columns and 49 rows of numerical data representing photometric measurements.

-70	56	62	70	79	90	99	109	118	128	138	149	159	170	182	194	205	218	231	245	258	271	286	299	313	328	342	357	369	386	403	414	424	439	453	466	477	487	493	503	520	522	536
-72	56	61	68	78	88	97	106	115	124	134	144	153	164	174	184	194	204	215	226	237	247	259	270	281	293	304	316	327	340	354	365	374	387	399	411	421	431	435	443	458	464	474
-74	56	61	67	76	86	95	104	112	121	130	140	148	157	165	174	182	190	199	207	216	223	232	240	249	257	266	275	284	294	306	316	324	334	344	356	366	374	377	384	396	405	411
-76	57	60	65	74	83	93	102	110	118	127	136	143	152	159	166	173	180	187	194	201	207	214	220	227	234	241	248	256	264	274	283	291	299	308	318	327	335	338	344	354	364	366
-78	57	59	64	72	81	90	99	107	116	124	132	139	147	153	160	167	173	180	185	192	197	204	209	216	222	229	235	242	249	259	267	274	281	289	299	307	314	316	322	331	341	344
-80	57	58	62	70	79	88	97	105	113	121	129	135	142	148	154	160	166	172	177	183	188	194	199	205	210	216	222	228	235	243	250	257	263	271	279	286	292	295	300	308	317	320
-82	57	57	61	68	77	86	94	103	111	118	125	131	138	143	149	154	159	164	169	174	178	184	188	194	199	204	209	215	220	228	234	239	246	252	260	266	271	273	278	286	293	295
-84	57	56	59	66	75	84	92	100	108	115	122	127	133	138	143	147	152	156	160	165	169	173	178	183	187	191	196	201	206	212	218	222	228	234	240	245	249	252	257	263	269	271
-86	57	54	58	65	73	81	90	98	106	112	118	123	129	133	137	141	144	148	152	156	159	163	167	171	175	179	183	187	191	197	201	205	210	215	221	225	228	230	235	240	245	247
-88	57	53	57	63	71	79	87	95	103	109	115	119	124	127	131	134	137	141	144	147	150	153	157	160	164	167	170	173	177	181	185	188	192	196	201	204	207	209	213	217	221	223
-90	57	52	55	61	68	77	85	93	101	107	111	115	119	122	125	128	130	133	135	138	141	143	146	149	152	154	157	159	162	166	169	171	174	178	182	184	185	188	191	195	197	199

Luminaire Report Summary

IESNA: LM-63-2002
[TEST]
[TESTDATE] 2016-08-26
[TESTLAB]
[ISSUEDATE] 2016-08-31 21:10:00
[MANUFAC] SARIN Energy Inc.
[LUMINAIRE] SES-WPN-5700-80
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 8630.3
[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.