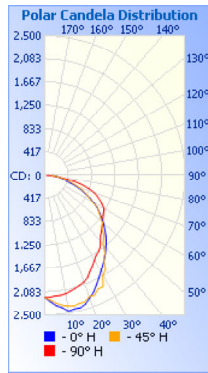


Photometrics Pro

Luminaire Photometric Report

Filename: Wall Pack WPN 60W
Manufacturer: SARIN Energy Inc.
Luminaire: SES-WPN-5700-60
Lamp Output: 1 lamp, rated Lumens/lamp: 6716.8
Max Candela: 2,473.0 at Horizontal: 0°, Vertical: 10°
Input Wattage: 60.6
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:	232.3
Max Cd, 80 to <90 Deg:	390.1
Lumens % Lamp	
Downward Street Side:	3,326.5 49.5%
Downward House Side:	3,389.4 50.5%
Downward Total:	6,715.9 100%
Total Lumens:	6,715.9 100%

Flood Summary

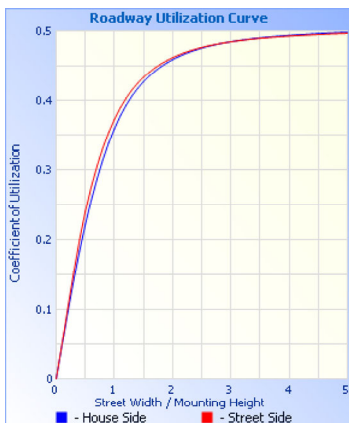
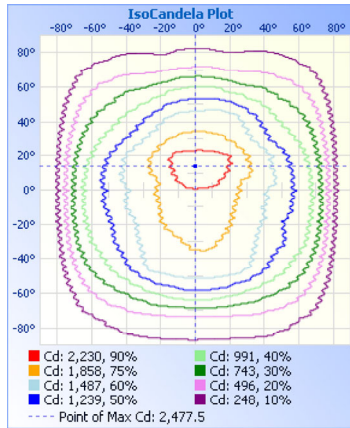
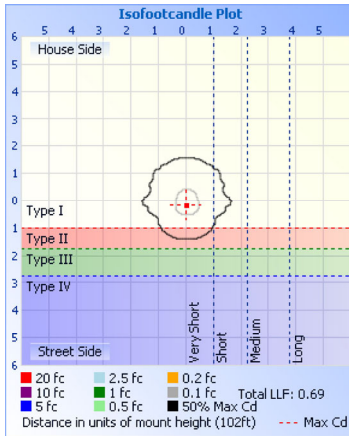
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.9%	6,578.1	161	169.4
Beam (50%):	67.6%	4,541.2	107.9	111.6
Total:	100%	6,713.8		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,754.1	26.1%	26.1%
0-40	2,852.8	42.5%	42.5%
0-60	5,116.4	76.2%	76.2%
60-90	1,599.1	23.8%	23.8%
0-90	6,715.5	100%	100%

Lumens Per Zone

Zone	Lumens	% Total
0-10	211.9	3.2%
10-20	619.5	9.2%
20-30	922.7	13.7%
30-40	1,098.7	16.4%
40-50	1,168.2	17.4%
50-60	1,095.4	16.3%
60-70	866.0	12.9%
70-80	507.3	7.6%
80-90	225.8	3.4%



Center Beam fc	Beam Width
7.85 fc	49.2 ft 45.9 ft
1.97 fc	98.0 ft 91.5 ft
0.88 fc	147.2 ft 137.4 ft
0.49 fc	196.3 ft 183.3 ft
0.32 fc	245.2 ft 228.9 ft
0.22 fc	294.4 ft 274.7 ft

Vert. Spread: 111.6°
 Horiz. Spread: 107.9°

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	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	.86	.76	.69	.58	.73	.67	.61	.57	.71	.65	.60	.68	.63	.59	.57	.55	.55			
4	.81	.69	.60	.53	.79	.68	.59	.50	.65	.58	.52	.48	.63	.56	.51	.60	.55	.50	.48	.46	.46			
5	.75	.61	.52	.45	.73	.60	.52	.43	.58	.51	.45	.42	.56	.49	.44	.54	.48	.44	.41	.40	.40			
6	.69	.55	.46	.40	.67	.54	.46	.38	.52	.45	.39	.36	.51	.44	.39	.49	.43	.38	.36	.35	.35			
7	.64	.50	.41	.35	.62	.49	.41	.34	.48	.40	.34	.32	.46	.39	.34	.45	.39	.34	.32	.31	.31			
8	.59	.46	.37	.31	.58	.45	.37	.30	.44	.36	.31	.29	.42	.36	.31	.41	.35	.30	.28	.27	.27			
9	.56	.42	.34	.28	.54	.41	.33	.27	.40	.33	.28	.26	.39	.32	.28	.38	.32	.27	.25	.24	.24			
10	.52	.39	.31	.25	.51	.38	.30	.25	.37	.30	.25	.24	.36	.30	.25	.35	.29	.25	.23	.22	.22			

Candela Table - Type B

Table with 48 columns and 48 rows of numerical data representing photometric values for Wall Pack WPN 60W. The table is organized in a grid format with row and column indices.

-70	48	53	58	64	70	77	84	90	97	104	112	119	127	135	143	152	161	171	181	192	203	214	225	236	247	258	271	284	295	304	314	325	335	345	356	366	376	387	397	404	410	417	425
-72	41	43	45	48	52	57	63	70	76	82	89	95	102	108	115	122	128	135	143	150	158	167	175	184	192	201	210	219	228	239	249	259	267	276	285	294	303	313	322	332	341	350	356
-74	48	51	56	62	69	75	81	87	93	99	105	111	117	122	128	134	140	146	152	158	165	171	178	185	191	198	207	215	223	230	237	245	253	261	270	278	287	296	304	309	314	318	324
-76	42	43	45	47	50	55	61	67	73	79	85	91	96	101	107	112	117	122	126	131	136	142	147	152	157	162	167	173	179	186	193	199	206	212	219	226	233	241	248	256	264	272	277
-78	47	49	53	59	65	71	77	82	88	93	98	103	108	112	117	121	126	131	135	140	145	149	154	159	164	170	176	182	188	194	200	206	212	219	226	233	240	247	254	258	262	265	269
-80	42	44	45	46	48	52	57	63	69	74	80	85	90	95	99	104	108	112	116	120	125	129	133	137	142	146	151	155	160	166	172	177	182	188	193	199	205	211	217	223	230	236	240
-82	46	47	50	55	61	66	72	77	82	87	91	96	100	104	107	111	115	119	123	127	130	134	138	143	147	151	156	161	166	170	175	180	185	191	196	201	207	212	218	221	224	227	230
-84	43	44	45	45	46	49	53	59	64	69	74	79	84	88	92	96	99	102	106	109	113	116	120	123	127	131	134	138	142	146	150	155	159	163	167	172	176	181	185	190	195	200	203
-86	45	45	47	51	56	62	67	72	76	81	85	88	92	95	98	101	104	107	110	113	116	120	123	126	129	132	136	140	144	147	151	155	158	162	166	170	174	178	182	185	187	189	191
-88	43	44	45	44	44	45	49	54	59	64	69	74	78	82	85	88	90	93	96	98	101	104	107	109	112	115	118	120	123	126	129	132	135	138	142	145	148	151	154	157	160	164	166
-90	44	43	44	47	52	57	62	66	71	75	78	81	84	86	88	90	93	95	97	100	102	105	107	109	111	114	116	119	121	124	126	129	131	134	136	138	141	143	146	148	150	151	152

Luminaire Report Summary

IESNA: LM-63-2002
[TEST]
[TESTDATE] 2016-08-26
[TESTLAB]
[ISSUEDATE] 2016-08-31 21:09:35
[MANUFAC] SARIN Energy Inc.
[LUMINAIRE] SES-WPN-5700-60
[_LAMPPOSITION] 0,0
[_TOTALLUMINAIRELUMENS] 6713.8
[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.