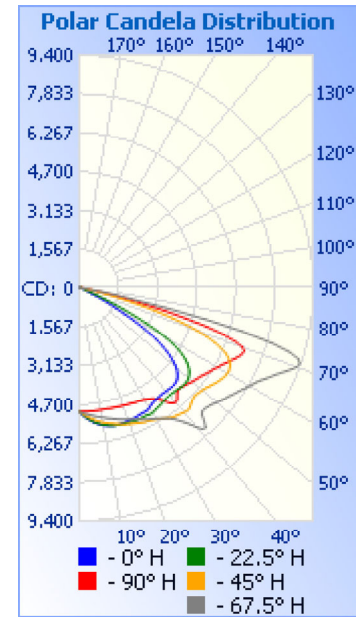


# Photometrics Pro

## Luminaire Photometric Report

**Filename:** Shoebox SBN 150W - 120V  
**Manufacturer:** SARIN Energy Inc.  
**Luminaire:** SES-SBN-4000-150 120V  
**Lamp Output:** Total luminaire Lumens: 19352.4  
**Max Candela:** 9,392.4 at Horizontal: 67.5°, Vertical: 71°  
**Input Wattage:** 148.7  
**Luminous Opening:** Point  
**Test Date:** 2016-08-01  
**Test Lab:** Standard-Tech Co.,Ltd.  
**Photometry :** Type C  
**Nema Type:** 7 X 7

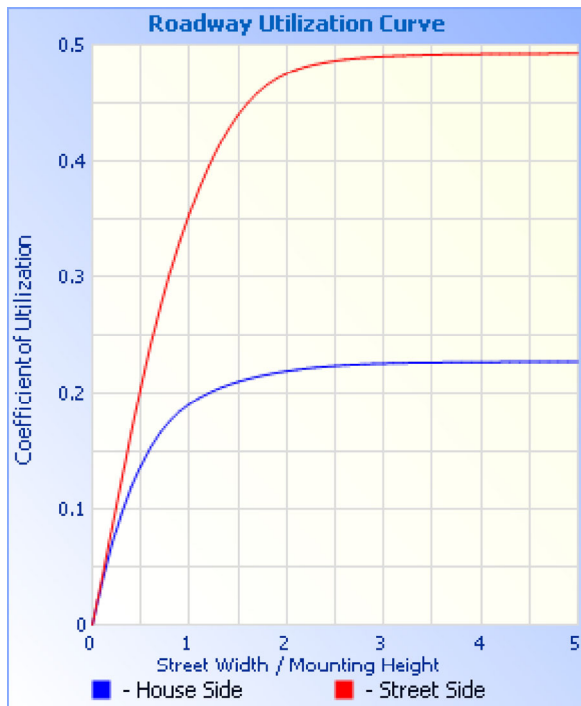
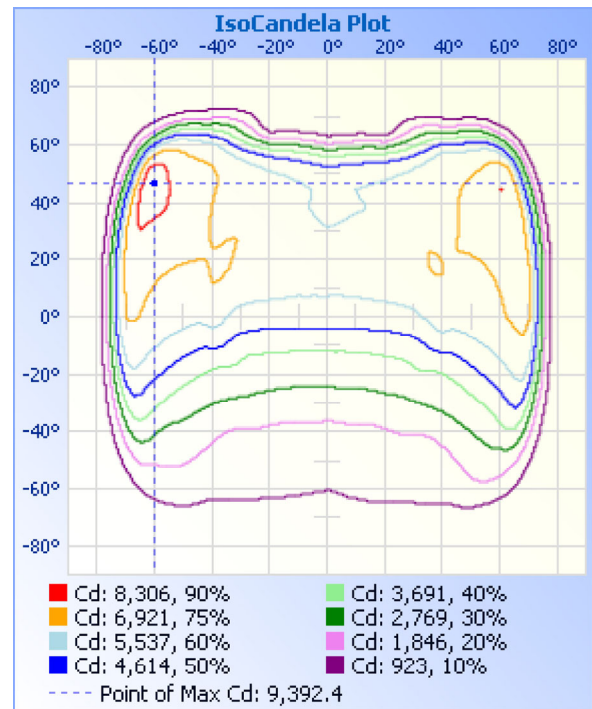
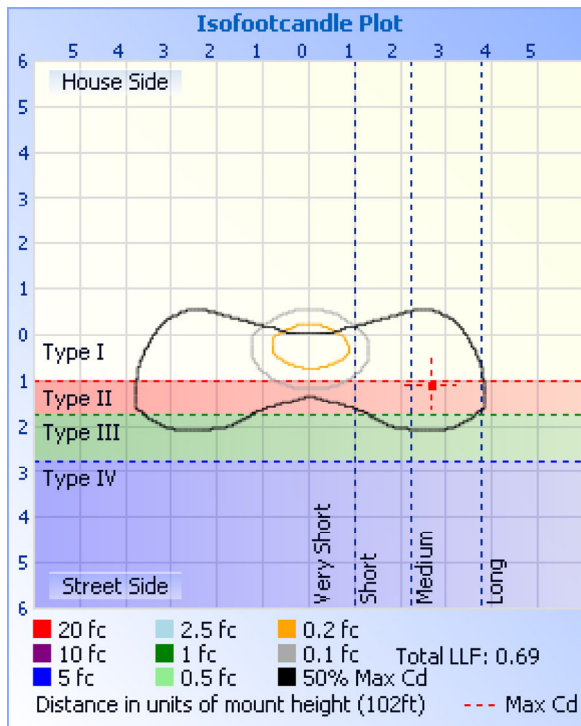


Roadway Summary		
Cutoff Classification:	CUTOFF	
Distribution:	TYPE III, MEDIUM	
Max Cd, 90 Deg Vert:	5.3	
Max Cd, 80 to <90 Deg:	898.0	
	Lumens	% Lamp
Downward Street Side:	13,026.9	67.3%
Downward House Side:	6,285.5	32.5%
Downward Total:	19,312.4	99.8%
Upward Street Side:	14.6	0.1%
Upward House Side:	26.7	0.1%
Upward Total:	41.4	0.2%
Total Lumens:	19,353.7	100%

Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.6%	18,893.1	147.4	132.2
Beam (50%):	69.9%	13,517.7	136.5	81.9
Total:	100%	19,345.6		

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	3,956.0	20.4%
0-40	6,824.7	35.3%
0-60	13,996.9	72.3%
60-90	5,314.1	27.5%
70-100	1,802.6	9.3%
90-120	15.6	0.1%
0-90	19,311.0	99.8%
90-180	41.4	0.2%
0-180	19,352.4	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	471.1	2.4%	90-100	3.0	0%
10-20	1,349.8	7.0%	100-110	5.4	0%
20-30	2,135.1	11.0%	110-120	7.1	0%
30-40	2,868.7	14.8%	120-130	7.4	0%
40-50	3,422.6	17.7%	130-140	6.2	0%
50-60	3,749.6	19.4%	140-150	4.9	0%
60-70	3,514.5	18.2%	150-160	3.8	0%
70-80	1,730.6	8.9%	160-170	2.4	0%
80-90	68.9	0.4%	170-180	1.0	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
16.7ft	17.9 fc	29.0 ft	83.8 ft
33.3ft	4.51 fc	57.8 ft	167.0 ft
50.0ft	2.00 fc	86.7 ft	250.8 ft
66.7ft	1.12 fc	115.7 ft	334.5 ft
83.3ft	0.72 fc	144.5 ft	417.8 ft
100.0ft	0.50 fc	173.5 ft	501.5 ft

Vert. Spread: 81.9°  
Horiz. Spread: 136.5°

**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	50	30	20	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	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.08	1.03	.99	.94	1.05	1.01	.97	.83	.96	.93	.90	.92	.90	.87	.89	.87	.84	.82
2	.97	.88	.81	.75	.94	.86	.79	.68	.83	.77	.72	.79	.74	.70	.76	.72	.69	.66
3	.88	.76	.67	.60	.85	.74	.66	.56	.71	.64	.58	.68	.62	.57	.66	.61	.56	.54

4	.79	.66	.57	.50	.77	.65	.56	.47	.62	.55	.48	.60	.53	.48	.58	.52	.47	.45
5	.72	.58	.49	.42	.70	.57	.48	.40	.55	.47	.41	.53	.46	.40	.51	.45	.40	.38
6	.66	.52	.42	.36	.64	.51	.42	.34	.49	.41	.35	.47	.40	.35	.46	.39	.34	.32
7	.61	.47	.37	.31	.59	.46	.37	.30	.44	.36	.30	.43	.36	.30	.41	.35	.30	.28
8	.57	.42	.33	.27	.55	.42	.33	.26	.40	.32	.27	.39	.32	.27	.38	.31	.26	.24
9	.53	.39	.30	.24	.51	.38	.30	.23	.37	.29	.24	.36	.29	.24	.35	.28	.24	.22
10	.49	.35	.27	.22	.48	.35	.27	.21	.34	.27	.21	.33	.26	.21	.32	.26	.21	.19

Candela Table - Type C																	
	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5	360
0	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000	5000
1	5095	5082	5064	5036	4995	4966	4930	4909	4900	4906	4931	4963	5001	5038	5067	5087	5095
2	5183	5167	5124	5072	4993	4928	4858	4808	4796	4811	4860	4927	5004	5074	5131	5167	5183
3	5261	5245	5184	5101	4996	4898	4785	4709	4690	4713	4790	4889	5014	5111	5190	5240	5261
4	5335	5317	5240	5131	4998	4856	4707	4607	4577	4614	4711	4853	5015	5147	5248	5310	5335
5	5398	5378	5291	5160	4997	4815	4626	4499	4460	4508	4628	4812	5016	5180	5305	5372	5398
6	5458	5435	5342	5191	4998	4770	4548	4391	4342	4402	4550	4773	5019	5213	5356	5426	5458
7	5510	5486	5389	5222	5000	4726	4466	4274	4219	4291	4467	4737	5024	5247	5405	5476	5510
8	5556	5536	5436	5253	5000	4683	4383	4164	4096	4176	4385	4701	5031	5280	5456	5524	5556
9	5598	5579	5479	5285	4999	4637	4298	4055	3976	4064	4306	4658	5038	5317	5499	5566	5598
10	5637	5618	5521	5317	5000	4592	4212	3944	3860	3954	4226	4618	5045	5353	5535	5603	5637
11	5666	5652	5557	5349	4999	4546	4121	3835	3744	3846	4141	4576	5049	5387	5578	5637	5666
12	5686	5683	5590	5381	5001	4499	4031	3731	3635	3740	4056	4539	5051	5421	5611	5668	5686
13	5707	5708	5622	5414	5005	4450	3944	3630	3532	3642	3972	4497	5060	5454	5643	5692	5707
14	5727	5727	5657	5448	5014	4403	3855	3535	3437	3551	3891	4457	5070	5489	5673	5715	5727
15	5741	5747	5692	5485	5025	4355	3771	3446	3349	3467	3813	4416	5084	5524	5702	5730	5741
16	5746	5759	5727	5518	5029	4307	3692	3360	3270	3383	3737	4374	5098	5557	5730	5743	5746
17	5741	5769	5761	5552	5032	4257	3613	3281	3191	3305	3660	4329	5111	5589	5757	5750	5741
18	5734	5777	5794	5587	5042	4206	3539	3212	3113	3234	3591	4280	5125	5621	5785	5753	5734
19	5726	5785	5824	5623	5054	4160	3470	3143	3053	3163	3524	4236	5139	5652	5808	5752	5726
20	5715	5789	5851	5659	5061	4115	3405	3074	2990	3093	3456	4195	5156	5694	5830	5753	5715
21	5710	5794	5879	5697	5071	4062	3343	3017	2931	3033	3394	4156	5173	5730	5851	5756	5710
22	5715	5809	5905	5739	5081	4015	3287	2958	2874	2979	3336	4115	5192	5764	5877	5768	5715
23	5704	5821	5936	5781	5092	3967	3233	2902	2817	2925	3281	4078	5211	5800	5906	5771	5704
24	5688	5828	5971	5817	5104	3924	3180	2849	2759	2872	3229	4045	5227	5836	5931	5768	5688
25	5670	5830	6001	5860	5120	3885	3127	2796	2700	2822	3177	4011	5250	5877	5947	5764	5670
26	5658	5818	6024	5911	5135	3845	3078	2739	2639	2768	3125	3973	5273	5921	5960	5756	5658
27	5655	5811	6045	5961	5148	3808	3031	2680	2573	2713	3079	3939	5293	5963	5968	5761	5655
28	5654	5826	6069	6008	5167	3775	2988	2622	2504	2655	3038	3911	5316	6003	5984	5772	5654
29	5644	5846	6098	6055	5189	3749	2950	2562	2431	2600	3004	3883	5344	6046	6012	5779	5644
30	5607	5852	6135	6105	5215	3718	2917	2501	2355	2542	2977	3866	5383	6093	6055	5772	5607
31	5558	5830	6182	6159	5251	3700	2892	2435	2277	2478	2954	3858	5423	6142	6106	5745	5558
32	5517	5792	6235	6217	5290	3695	2870	2363	2194	2410	2936	3857	5471	6193	6153	5707	5517
33	5485	5768	6291	6287	5336	3712	2842	2286	2103	2340	2913	3878	5531	6258	6191	5677	5485
34	5464	5752	6346	6361	5394	3755	2795	2207	2008	2267	2865	3910	5595	6345	6219	5653	5464
35	5449	5726	6402	6451	5473	3786	2735	2122	1913	2190	2804	3921	5678	6444	6245	5631	5449
36	5440	5704	6442	6572	5583	3757	2679	2034	1818	2108	2750	3904	5792	6554	6264	5609	5440
37	5435	5683	6470	6723	5729	3734	2624	1943	1722	2023	2697	3889	5932	6683	6267	5587	5435
38	5429	5666	6494	6884	5882	3682	2563	1853	1634	1935	2645	3845	6083	6822	6267	5567	5429
39	5434	5658	6521	7103	5985	3611	2503	1763	1552	1847	2593	3787	6190	6963	6268	5550	5434
40	5439	5653	6559	7350	6023	3552	2439	1677	1479	1758	2539	3728	6231	7112	6277	5542	5439
41	5444	5657	6595	7553	5990	3511	2377	1600	1413	1677	2487	3684	6190	7249	6284	5546	5444
42	5451	5666	6589	7594	5880	3473	2308	1529	1355	1605	2433	3644	6064	7250	6268	5555	5451
43	5458	5673	6542	7361	5772	3442	2236	1470	1304	1540	2376	3620	5974	7045	6223	5565	5458
44	5458	5685	6481	7094	5720	3415	2162	1417	1259	1484	2318	3599	5957	6858	6165	5580	5458
45	5449	5705	6426	7014	5721	3385	2086	1371	1217	1434	2251	3582	5980	6817	6133	5599	5449
46	5422	5726	6380	7020	5743	3362	2009	1328	1180	1390	2177	3574	6019	6827	6114	5613	5422

47	5376	5739	6370	7049	5778	3340	1931	1292	1147	1348	2101	3564	6061	6857	6112	5620	5376
48	5310	5742	6387	7086	5813	3316	1853	1257	1121	1311	2021	3551	6102	6897	6127	5604	5310
49	5219	5734	6409	7133	5847	3292	1774	1225	1102	1274	1937	3546	6141	6930	6153	5574	5219
50	5105	5710	6437	7197	5900	3273	1704	1195	1092	1240	1857	3537	6188	6964	6192	5522	5105
51	4962	5669	6474	7260	5934	3249	1639	1167	1085	1208	1776	3531	6232	7002	6233	5452	4962
52	4780	5616	6523	7331	5972	3223	1575	1141	1079	1180	1699	3524	6291	7033	6281	5355	4780
53	4577	5537	6576	7386	6018	3204	1524	1115	1066	1155	1627	3507	6347	7078	6325	5238	4577
54	4343	5427	6628	7441	6050	3174	1476	1091	1046	1132	1559	3497	6391	7117	6367	5085	4343
55	4075	5293	6684	7514	6107	3144	1432	1071	1027	1112	1502	3484	6434	7160	6403	4909	4075
56	3764	5135	6740	7583	6172	3115	1393	1052	1004	1093	1449	3455	6487	7211	6430	4700	3764
57	3393	4937	6790	7660	6222	3084	1361	1036	982	1076	1401	3426	6547	7260	6453	4456	3393
58	2979	4695	6828	7732	6275	3044	1328	1022	960	1062	1359	3391	6616	7306	6464	4164	2979
59	2530	4397	6864	7829	6339	2997	1297	1009	941	1051	1319	3346	6694	7365	6460	3819	2530
60	2092	4030	6880	7910	6419	2941	1268	996	923	1041	1286	3298	6761	7428	6429	3415	2092
61	1674	3591	6885	8000	6484	2884	1240	984	905	1030	1251	3269	6831	7492	6389	2948	1674
62	1348	3089	6858	8083	6556	2817	1212	969	886	1020	1218	3240	6919	7581	6316	2441	1348
63	1024	2550	6814	8207	6648	2742	1184	953	864	1012	1185	3195	7018	7669	6202	1928	1024
64	764	1995	6729	8344	6736	2666	1157	933	834	999	1152	3149	7121	7763	6042	1538	764
65	553	1572	6600	8484	6837	2588	1128	906	796	973	1124	3103	7219	7874	5831	1150	553
66	409	1152	6427	8622	6933	2510	1100	865	750	933	1100	3051	7330	7989	5543	762	409
67	348	733	6183	8796	7015	2420	1070	814	693	880	1086	2994	7436	8121	5186	526	348
68	316	495	5877	8974	7082	2322	1038	753	630	811	1073	2907	7480	8235	4757	378	316
69	290	364	5496	9154	7109	2217	998	684	559	729	1052	2796	7371	8348	4274	305	290
70	268	302	5053	9319	6973	2111	950	607	429	642	1017	2665	6994	8397	3724	273	268
71	248	271	4531	9392	6636	2002	886	525	311	549	959	2509	6363	8339	3106	247	248
72	228	245	3946	9270	6107	1892	813	444	260	453	879	2314	5456	8138	2436	224	228
73	207	220	3303	8851	5366	1785	728	356	226	356	782	2089	4350	7640	1800	203	207
74	188	198	2626	8045	4433	1654	636	249	204	254	669	1813	3206	6808	1361	184	188
75	173	180	1968	6783	3551	1484	537	168	186	190	550	1523	2205	5597	923	167	173
76	157	161	1513	5219	2669	1275	436	130	169	151	429	1260	1655	4214	486	150	157
77	139	143	1061	3571	1788	1090	324	111	156	125	315	999	1111	2832	351	135	139
78	121	128	608	2109	1198	891	224	97	142	104	181	755	568	1662	278	121	121
79	103	112	410	1501	740	701	141	85	121	89	116	545	339	1040	215	108	103
80	87	98	286	898	447	513	96	76	96	76	96	377	203	422	173	94	87
81	71	83	207	295	277	364	80	66	81	65	81	261	134	241	139	79	71
82	58	68	150	193	177	250	67	56	67	55	66	180	97	176	108	61	58
83	48	55	112	150	119	156	53	47	54	46	51	122	75	140	82	49	48
84	38	45	81	117	83	68	39	38	42	37	36	61	59	106	57	40	38
85	21	33	56	85	59	42	28	29	34	28	26	41	46	78	42	28	21
86	5	12	41	58	42	31	19	22	23	20	18	28	34	53	26	8	5
87	0	1	17	35	28	20	12	8	6	7	11	17	21	31	6	1	0
88	0	0	4	18	10	7	4	2	2	2	4	6	6	10	3	0	0
89	0	0	3	6	4	4	1	1	1	1	2	5	5	5	2	0	0
90	0	0	2	5	4	4	1	0	0	0	2	5	5	5	2	0	0
91	0	0	2	5	4	4	1	0	0	0	2	6	5	4	2	0	0
92	0	0	1	4	4	5	1	0	0	0	2	6	5	4	1	0	0
93	0	0	1	4	5	5	1	0	0	0	3	7	6	4	1	0	0
94	0	0	1	4	5	6	2	0	0	0	3	8	6	3	1	0	0
95	0	0	1	4	5	7	2	0	0	0	4	9	7	3	1	0	0

96	0	0	1	4	6	8	2	0	0	0	4	9	8	3	1	0	0
97	0	0	1	4	7	8	3	0	0	0	5	10	9	3	1	0	0
98	0	0	1	4	7	9	4	0	0	0	5	11	9	3	1	0	0
99	0	0	1	4	8	10	4	0	0	0	6	11	10	3	1	0	0
100	0	0	1	4	9	10	5	0	0	0	6	12	11	3	1	0	0
101	0	0	1	4	9	11	5	0	0	1	7	12	11	4	1	0	0
102	0	0	1	5	10	11	6	1	0	1	7	12	11	4	1	0	0
103	0	0	1	5	10	11	6	1	0	1	8	13	12	4	1	0	0
104	0	0	1	5	11	11	7	1	0	2	8	13	12	4	1	0	0
105	0	0	1	6	11	12	7	2	1	2	9	13	13	5	1	0	0
106	0	1	1	6	12	12	8	2	1	3	9	13	13	5	1	1	0
107	0	1	2	6	12	11	8	2	1	3	9	13	14	5	1	1	0
108	0	1	2	6	12	12	8	3	2	4	9	14	14	6	1	1	0
109	1	1	2	6	13	12	8	3	2	4	10	14	14	6	1	1	1
110	1	1	2	7	13	13	8	4	2	5	10	15	15	6	1	1	1
111	1	1	2	7	13	13	8	4	2	5	10	16	15	7	2	1	1
112	1	1	2	7	13	14	8	4	3	5	10	16	15	7	2	1	1
113	1	1	2	8	13	15	8	4	3	5	10	16	15	7	2	1	1
114	1	1	2	8	13	15	8	4	3	6	10	16	15	7	2	1	1
115	1	1	3	8	13	15	9	4	4	6	11	16	15	7	2	1	1
116	1	1	3	8	13	15	9	4	4	6	11	15	15	7	2	1	1
117	1	1	3	8	13	15	10	4	4	6	11	15	16	7	2	1	1
118	1	1	3	8	13	15	10	5	5	6	12	15	16	7	3	1	1
119	1	1	3	8	13	15	11	5	5	7	12	15	16	8	3	1	1
120	1	1	4	6	13	15	11	6	5	7	12	15	16	8	3	1	1
121	1	2	4	8	13	15	11	7	6	8	12	14	16	8	3	2	1
122	2	2	4	9	13	15	10	8	7	8	11	14	16	8	3	2	2
123	2	2	4	9	13	15	10	8	8	9	11	14	16	8	3	2	2
124	2	2	4	9	12	15	10	8	8	9	11	14	16	8	3	2	2
125	2	2	4	9	12	14	10	8	8	9	11	13	16	8	3	2	2
126	2	2	4	9	12	14	10	9	8	9	11	14	15	8	3	2	2
127	2	3	4	9	12	14	10	9	9	10	11	13	15	8	3	2	2
128	2	3	4	9	12	13	10	9	9	10	11	13	15	8	3	2	2
129	2	3	4	9	12	13	10	10	9	10	11	12	15	8	3	2	2
130	2	3	4	9	12	12	10	10	10	11	11	12	15	8	3	2	2
131	2	3	4	9	12	12	10	10	10	11	11	12	14	8	3	2	2
132	2	3	4	8	11	12	10	10	10	11	11	11	14	8	3	3	2
133	2	3	4	8	11	11	10	10	10	11	11	11	13	7	3	3	2
134	3	3	4	8	11	11	10	10	10	11	11	11	13	7	3	3	3
135	3	3	4	8	11	11	9	10	10	11	11	11	12	7	3	3	3
136	3	4	4	8	10	11	9	10	10	11	10	11	12	7	4	3	3
137	3	4	4	8	10	11	9	10	10	10	10	11	12	7	4	3	3
138	3	4	4	8	10	11	9	10	10	10	9	11	12	7	4	3	3
139	3	4	4	8	10	11	9	10	10	10	9	11	12	7	4	4	3
140	3	4	4	8	10	11	9	9	10	10	9	11	12	7	4	4	3
141	3	4	4	8	10	11	9	9	10	10	9	11	12	7	4	4	3
142	3	4	4	8	10	11	9	9	10	10	9	11	12	7	4	4	3
143	3	4	4	8	10	11	9	9	10	10	9	11	11	7	4	4	3
144	3	4	4	8	10	10	9	9	9	10	9	11	11	6	4	4	3

145	4	5	4	7	10	10	9	9	10	10	10	11	11	6	5	4	4
146	4	5	4	7	10	10	9	9	10	10	10	11	11	6	5	4	4
147	4	5	4	7	10	10	10	10	10	10	10	11	11	6	5	4	4
148	5	5	5	7	10	10	10	10	10	10	11	11	10	6	6	4	5
149	5	5	5	7	10	10	10	10	10	10	11	11	10	6	6	5	5
150	5	5	5	7	10	10	10	10	10	10	12	11	10	6	6	5	5
151	5	5	6	7	9	10	10	10	10	10	12	10	10	6	6	5	5
152	5	5	6	7	9	10	10	10	10	10	12	10	10	6	7	5	5
153	5	6	6	8	9	10	10	10	10	10	12	10	9	6	7	6	5
154	6	6	6	8	9	10	10	10	10	10	11	9	9	6	7	6	6
155	6	6	7	8	9	10	9	10	9	10	11	9	8	6	7	6	6
156	6	6	7	8	8	10	9	10	9	9	11	9	8	7	7	6	6
157	6	6	7	8	8	9	9	10	9	9	10	9	8	7	7	6	6
158	6	6	7	8	8	9	9	10	9	9	10	9	8	7	7	6	6
159	6	6	7	8	8	9	9	10	9	9	10	9	8	7	8	6	6
160	6	6	7	8	8	9	9	10	9	9	10	9	8	7	8	7	6
161	6	6	8	8	8	9	9	10	9	9	10	9	8	7	8	7	6
162	6	7	8	8	9	8	9	10	9	9	10	9	8	7	8	7	6
163	7	7	8	8	9	8	9	10	9	9	10	10	8	7	8	7	7
164	7	7	8	8	9	8	9	10	9	9	10	10	8	7	8	7	7
165	7	7	8	8	9	8	9	10	9	9	10	10	8	7	8	7	7
166	7	7	8	8	9	8	9	10	9	9	10	10	9	7	9	7	7
167	7	8	9	8	9	9	9	10	9	10	10	10	9	8	9	7	7
168	7	9	9	8	9	9	9	11	10	10	11	11	9	8	10	8	7
169	8	9	10	8	10	10	10	12	11	11	11	12	9	8	10	9	8
170	8	9	10	8	10	10	11	12	12	12	11	12	9	9	10	9	8
171	9	9	10	8	10	10	11	12	12	12	12	12	9	9	11	10	9
172	10	10	11	8	11	11	11	12	12	12	12	12	10	9	11	10	10
173	10	10	11	8	11	11	11	12	12	12	12	12	10	10	11	10	10
174	10	10	11	8	11	11	11	12	12	12	12	12	10	10	11	10	10
175	11	10	11	9	11	11	11	12	12	12	11	12	10	10	11	10	11
176	11	10	11	9	11	11	8	12	12	12	11	12	10	10	11	10	11
177	11	10	11	9	10	10	11	12	11	12	11	12	10	10	11	10	11
178	11	10	11	9	10	10	10	11	11	12	11	12	9	10	11	10	11
179	11	10	11	9	10	10	10	11	10	11	10	11	9	10	11	10	11
180	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11

**Luminaire Report Summary**

IESNA:LM-63-2002  
[TEST]  
[TESTDATE] 2016-08-01  
[TESTLAB] Standard-Tech Co.,Ltd.  
[ISSUEDATE] 2016-08-01 19:32:56  
[MANUFAC] SARIN Energy Inc.  
[LUMINAIRE] SES-SBN-4000-150 120V  
[\_LAMPPOSITION] 0,0  
[\_TOTALLUMINAIRELUMENS] 19352.4  
[OTHER] EVERFINE GO-R5000\_V2 SYSTEMGamma(deg) Fz(lm) Ft(lm) %Lum %Lamp0- 10 471.09  
471.09 2.43 2.4310- 20 1349.88 1820.97 9.41 9.4120- 30 2135.15 3956.12 20.44  
20.4430- 40 2869.20 6825.33 35.26 35.2640- 50 3423.46 10248.79 52.95 52.9550- 60  
3750.68 13999.46 72.33 72.3360- 70 3515.07 17514.54 90.49 90.4970- 80 1730.33  
19244.86 99.43 99.4380- 90 68.91 19313.77 99.79 99.7990-100 3.04 19316.81 99.80  
99.80100-110 5.45 19322.26 99.83 99.83110-120 7.09 19329.34 99.87 99.87120-130  
7.41 19336.75 99.91 99.91130-140 6.21 19342.96 99.94 99.94140-150 4.93 19347.89  
99.96 99.96150-160 3.79 19351.68 99.98 99.98160-170 2.44 19354.12 99.99 99.99170-  
180 1.02 19355.14 100.00 100.00

FILE: CREATED USING ABSOLUTE PHOTOMETRY  
FILE: CANDELA MULTIPLIER: 1  
FILE: VERTICAL ANGLES: 181, HORIZONTAL ANGLES: 17  
FILE: COORDINATE SYSTEM: TYPE C  
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.