

Photometrics Pro

Luminaire Photometric Report

Filename: SB16 - Shoebox - 5700 - 450W T3 - 120V - IES

Manufacturer: SARIN Energy Solutions

Lamp Output: 1 lamp, rated Lumens/lamp: 57644.7

Max Candela: 21,015.6 at Horizontal: 292.5°, Vertical: 68°

Input Wattage: 452.06

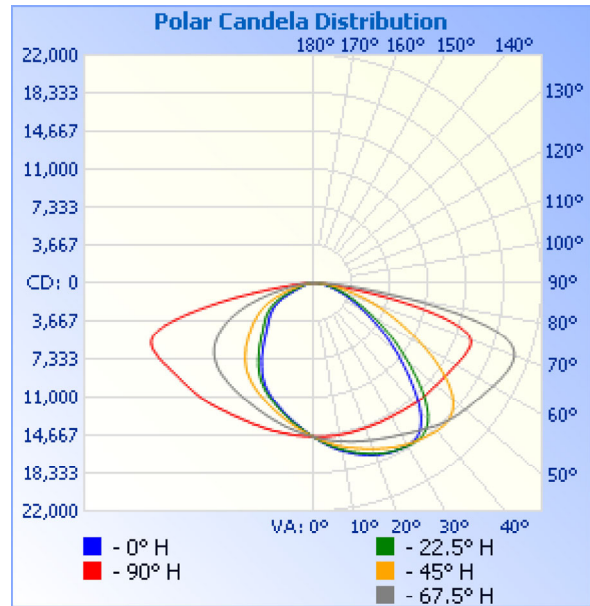
Luminous Opening: Rectangle (L: 5.51", W: 11.42")

Test: BLC2203042E-A

Test Lab: UTEST TECHNICAL LABORATORY

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	SEMICUTOFF	
Distribution:	TYPE III, MEDIUM	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	10,202.8	
	Lumens	% Lamp
Downward Street Side:	35,815.6	62.1%
Downward House Side:	21,829.1	37.9%
Downward Total:	57,644.7	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	57,644.7	100%

Flood Summary

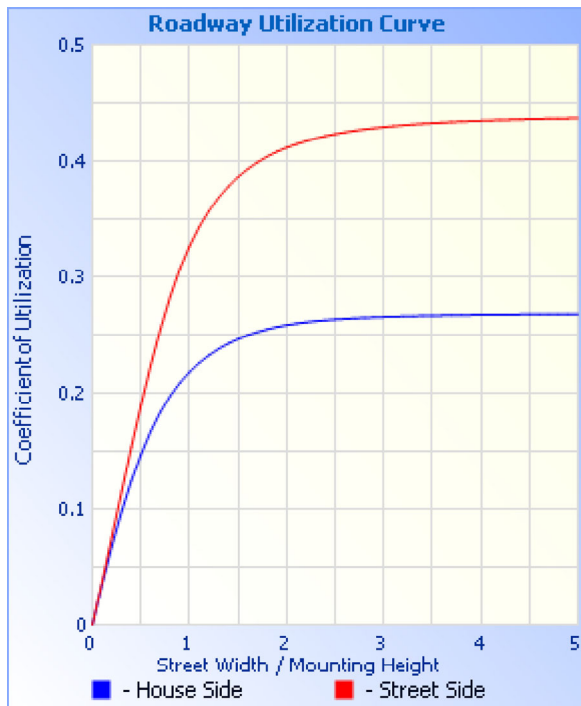
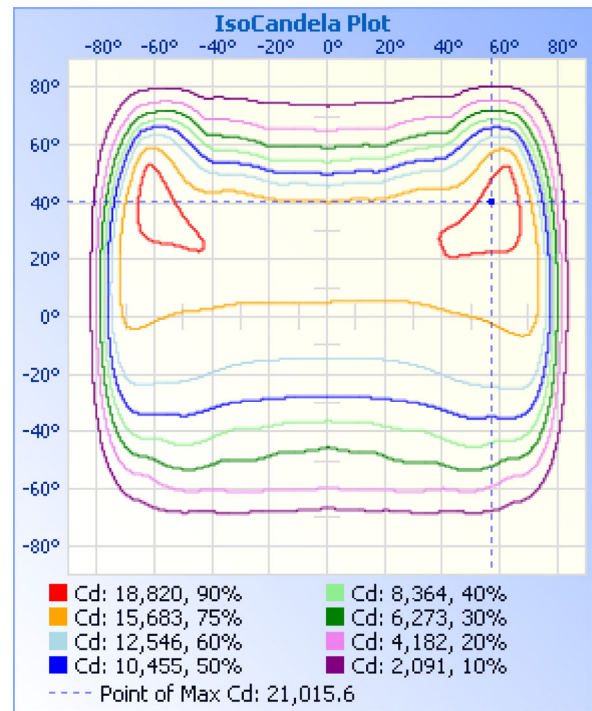
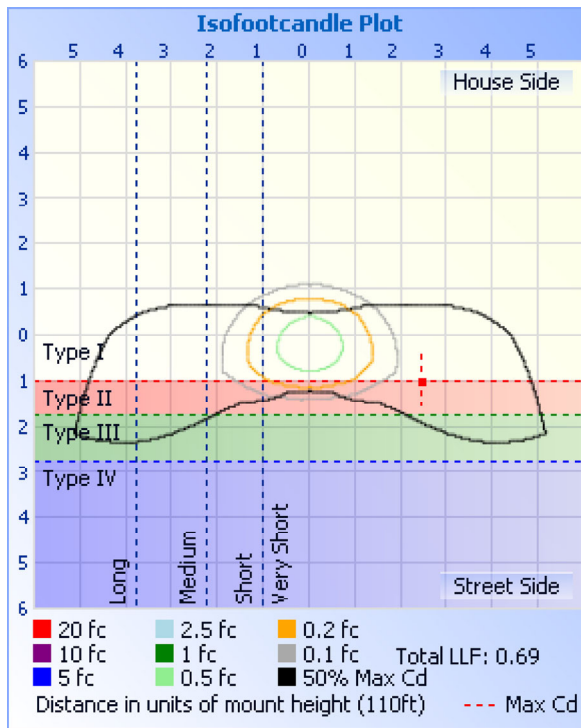
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	98.2%	56,624.7	163.7	147.9
Beam (50%):	76.5%	44,103.9	149.3	101.1
Total:	100%	57,620.8		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	12,369.2	21.5%	21.5%
0-40	21,346.4	37%	37%
0-60	41,709.5	72.4%	72.4%
60-90	15,931.5	27.6%	27.6%
70-100	6,985.7	12.1%	12.1%
90-120	0	0%	0%
0-90	57,640.9	100%	100%
90-180	0	0%	0%
0-180	57,640.9	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	1,411.0	2.4%	90-100	0	0%
10-20	4,180.0	7.3%	100-110	0	0%
20-30	6,778.2	11.8%	110-120	0	0%
30-40	8,977.3	15.6%	120-130	0	0%
40-50	10,202.1	17.7%	130-140	0	0%
50-60	10,161.0	17.6%	140-150	0	0%
60-70	8,945.8	15.5%	150-160	0	0%
70-80	5,902.9	10.2%	160-170	0	0%
80-90	1,082.8	1.9%	170-180	0	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
4.3R	799 fc	10.5 ft	31.4 ft
8.7R	195 fc	21.1 ft	63.5 ft
13.0R	87.5 fc	31.6 ft	94.9 ft
17.3R	49.4 fc	42.1 ft	126.3 ft
21.7R	31.4 fc	52.8 ft	158.4 ft
26.0R	21.9 fc	63.2 ft	189.8 ft

■ Vert. Spread: 101.1°
■ Horiz. Spread: 149.3°

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	1.02	.98	.93	1.05	1.00	.96	.82	.96	.92	.89	.92	.89	.86	.88	.86	.84	.81
2	.97	.88	.80	.74	.94	.86	.79	.67	.82	.76	.71	.79	.74	.70	.76	.72	.68	.66
3	.87	.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	.63	.55	.49	.60	.53	.48	.58	.52	.47	.45
5	.73	.59	.49	.42	.70	.58	.49	.40	.55	.47	.41	.53	.46	.41	.52	.45	.40	.38
6	.67	.53	.43	.36	.65	.52	.43	.35	.50	.42	.36	.48	.41	.35	.46	.40	.35	.33
7	.62	.47	.38	.32	.60	.46	.38	.30	.45	.37	.31	.43	.36	.31	.42	.36	.31	.29
8	.57	.43	.34	.28	.56	.42	.34	.27	.41	.33	.28	.40	.32	.27	.38	.32	.27	.25
9	.53	.39	.31	.25	.52	.39	.30	.24	.37	.30	.25	.36	.29	.24	.35	.29	.24	.22
10	.50	.36	.28	.22	.49	.36	.28	.22	.34	.27	.22	.34	.27	.22	.33	.26	.22	.20

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	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782	14782
1	14948	14940	14906	14864	14789	14727	14659	14622	14618	14631	14648	14720	14779	14837	14898	14938	14948
2	15119	15095	15019	14930	14797	14667	14545	14465	14454	14478	14528	14649	14772	14896	15010	15087	15119
3	15299	15264	15139	14999	14807	14607	14432	14318	14277	14327	14405	14585	14767	14960	15123	15232	15299
4	15461	15416	15260	15067	14815	14547	14318	14166	14111	14158	14282	14509	14757	15021	15237	15379	15461
5	15625	15567	15380	15134	14811	14481	14202	14014	13955	14007	14168	14447	14752	15080	15347	15520	15625
6	15787	15712	15506	15199	14818	14427	14089	13871	13798	13865	14050	14380	14751	15139	15465	15681	15787
7	15961	15857	15620	15277	14823	14368	13970	13717	13645	13719	13928	14315	14742	15194	15576	15823	15961
8	16124	16002	15741	15342	14825	14300	13859	13576	13480	13560	13813	14245	14735	15249	15683	15969	16124
9	16256	16136	15853	15408	14823	14241	13751	13433	13327	13429	13695	14185	14727	15311	15791	16098	16256
10	16398	16274	15954	15467	14821	14179	13640	13295	13176	13272	13581	14120	14719	15373	15893	16230	16398
11	16531	16401	16070	15521	14831	14114	13526	13154	13024	13127	13465	14057	14713	15430	16011	16356	16531
12	16659	16530	16176	15581	14834	14045	13411	13018	12876	12987	13347	13988	14711	15493	16109	16493	16659
13	16802	16667	16258	15650	14835	13979	13292	12866	12729	12849	13232	13919	14713	15552	16215	16619	16802
14	16931	16792	16358	15713	14834	13911	13184	12727	12562	12694	13120	13854	14718	15617	16322	16748	16931
15	17054	16912	16454	15776	14833	13842	13071	12582	12419	12566	13013	13785	14724	15681	16429	16870	17054
16	17167	17025	16548	15838	14827	13780	12958	12449	12278	12420	12902	13716	14728	15758	16526	16982	17167
17	17282	17138	16655	15906	14824	13714	12845	12322	12134	12285	12789	13654	14724	15826	16632	17088	17282
18	17398	17257	16759	15972	14822	13646	12732	12163	11985	12147	12678	13591	14724	15896	16732	17197	17398
19	17506	17370	16871	16033	14822	13584	12619	12032	11844	12010	12570	13525	14726	15965	16837	17315	17506
20	17594	17466	16970	16098	14828	13507	12514	11897	11684	11859	12465	13466	14720	16025	16943	17418	17594
21	17676	17565	17068	16167	14829	13445	12407	11757	11529	11718	12363	13419	14720	16084	17047	17504	17676
22	17753	17663	17168	16248	14839	13377	12296	11617	11371	11585	12257	13357	14732	16168	17146	17591	17753
23	17813	17743	17279	16301	14844	13316	12188	11481	11209	11444	12138	13312	14746	16256	17254	17679	17813
24	17876	17814	17379	16382	14852	13257	12081	11318	11056	11301	12040	13262	14751	16332	17364	17762	17876
25	17933	17870	17466	16457	14867	13193	11970	11169	10890	11151	11949	13207	14753	16416	17460	17821	17933
26	17968	17939	17566	16530	14869	13138	11863	11013	10680	10989	11854	13149	14760	16498	17558	17866	17968
27	17991	17986	17667	16612	14874	13080	11750	10848	10488	10824	11746	13097	14776	16586	17651	17925	17991
28	18023	18033	17758	16687	14875	13022	11644	10684	10287	10658	11640	13060	14792	16678	17750	17962	18023
29	18065	18073	17841	16766	14883	12972	11528	10487	10073	10478	11531	13015	14813	16785	17846	18013	18065
30	18077	18107	17920	16868	14900	12913	11427	10298	9839	10291	11425	12970	14841	16881	17939	18048	18077
31	18078	18136	17997	16968	14914	12867	11321	10096	9572	10078	11325	12932	14877	16989	18021	18082	18078
32	18025	18160	18075	17076	14931	12821	11208	9892	9328	9874	11217	12889	14907	17108	18100	18113	18025
33	17944	18156	18141	17184	14947	12790	11096	9674	9068	9657	11093	12852	14935	17227	18177	18120	17944
34	17859	18138	18203	17293	14974	12749	10972	9423	8845	9437	10978	12818	14963	17346	18260	18104	17859
35	17726	18093	18262	17395	14999	12705	10827	9186	8582	9202	10847	12787	15007	17467	18322	18061	17726
36	17502	18018	18327	17506	15023	12668	10695	8925	8298	8968	10724	12750	15055	17596	18396	17996	17502
37	17211	17892	18388	17634	15057	12628	10551	8726	8041	8725	10594	12724	15107	17718	18465	17885	17211
38	16864	17711	18437	17769	15086	12580	10392	8488	7787	8488	10431	12685	15151	17842	18523	17728	16864
39	16480	17466	18501	17903	15121	12535	10216	8223	7542	8250	10274	12647	15202	17982	18577	17500	16480
40	16039	17186	18556	18038	15147	12494	10047	7993	7306	8020	10111	12623	15243	18127	18641	17217	16039
41	15550	16860	18580	18155	15178	12448	9865	7760	7083	7798	9940	12588	15288	18252	18682	16876	15550
42	14999	16436	18594	18284	15217	12420	9679	7534	6847	7562	9762	12545	15344	18409	18723	16512	14999
43	14413	15955	18598	18397	15243	12380	9482	7324	6646	7359	9557	12508	15384	18545	18737	16073	14413
44	13842	15456	18578	18493	15272	12335	9256	7108	6460	7159	9364	12472	15421	18670	18734	15589	13842
45	13258	14959	18522	18599	15282	12287	9044	6914	6268	6950	9166	12435	15451	18785	18699	15053	13258
46	12735	14375	18425	18691	15288	12234	8870	6734	6109	6771	9004	12391	15481	18897	18629	14466	12735

47	12156	13775	18279	18774	15304	12196	8636	6565	5957	6597	8772	12337	15518	19011	18514	13919	12156
48	11571	13154	18093	18858	15326	12132	8425	6399	5817	6439	8545	12281	15553	19115	18359	13359	11571
49	11072	12585	17863	18930	15338	12075	8198	6237	5681	6289	8340	12216	15574	19225	18153	12737	11072
50	10567	12003	17582	19016	15373	11997	8002	6097	5543	6141	8137	12138	15616	19328	17923	12163	10567
51	10057	11431	17248	19104	15416	11919	7801	5958	5417	6002	7937	12066	15649	19430	17613	11651	10057
52	9582	10913	16826	19185	15452	11834	7597	5832	5295	5871	7720	11977	15696	19528	17224	11075	9582
53	9051	10355	16404	19249	15487	11715	7398	5693	5169	5742	7514	11875	15740	19621	16852	10581	9051
54	8600	9866	15896	19326	15518	11614	7187	5565	5040	5611	7318	11767	15782	19725	16418	10091	8600
55	8130	9363	15372	19429	15575	11471	7002	5439	4899	5463	7121	11626	15828	19803	15890	9550	8130
56	7645	8868	14798	19519	15615	11313	6818	5295	4753	5320	6911	11485	15887	19920	15392	9036	7645
57	7184	8363	14197	19614	15666	11148	6610	5142	4593	5175	6712	11324	15938	20020	14759	8591	7184
58	6732	7847	13607	19703	15717	10961	6448	4982	4418	5009	6512	11140	16019	20136	14190	8068	6732
59	6342	7374	12943	19811	15776	10736	6245	4815	4224	4832	6314	10920	16086	20229	13579	7609	6342
60	5966	6916	12334	19927	15844	10501	6050	4623	3982	4607	6113	10694	16151	20347	12973	7104	5966
61	5609	6465	11698	20050	15934	10254	5855	4419	3756	4395	5898	10454	16233	20482	12330	6653	5609
62	5253	6060	11066	20167	15983	9990	5631	4164	3511	4161	5656	10198	16326	20606	11659	6250	5253
63	4930	5640	10465	20266	16062	9691	5413	3918	3202	3878	5425	9889	16406	20731	11061	5812	4930
64	4596	5281	9849	20372	16132	9378	5173	3646	2863	3606	5170	9585	16490	20813	10476	5450	4596
65	4282	4945	9307	20470	16181	9042	4919	3367	2473	3323	4900	9245	16548	20905	9847	5079	4282
66	4011	4627	8747	20554	16235	8695	4639	3068	2090	3021	4584	8899	16609	20978	9287	4759	4011
67	3742	4309	8219	20614	16270	8319	4315	2694	1790	2686	4280	8513	16660	21001	8735	4414	3742
68	3469	4004	7669	20649	16298	7870	4007	2326	1559	2285	3968	8058	16690	21016	8174	4097	3469
69	3224	3702	7164	20646	16262	7435	3683	2001	1412	1964	3617	7621	16666	20953	7656	3813	3224
70	2954	3445	6638	20599	16157	6966	3348	1720	1288	1693	3283	7140	16578	20821	7090	3537	2954
71	2710	3181	6114	20455	15931	6451	2978	1473	1188	1477	2950	6636	16387	20578	6577	3268	2710
72	2503	2947	5605	20216	15521	5849	2617	1294	1081	1280	2602	6022	16072	20240	6063	3012	2503
73	2280	2702	5129	19836	14872	5259	2254	1155	1001	1145	2245	5424	15496	19680	5541	2780	2280
74	2077	2492	4643	19265	14029	4662	1932	1033	923	1028	1895	4801	14787	18996	5006	2544	2077
75	1896	2268	4156	18381	12944	4084	1642	925	843	924	1637	4191	13697	18075	4518	2337	1896
76	1710	2071	3710	17272	11597	3493	1418	829	770	835	1424	3625	12399	16799	4025	2112	1710
77	1535	1872	3297	15815	10084	3011	1219	739	691	739	1228	3072	10888	15339	3564	1927	1535
78	1378	1683	2943	14070	8275	2573	1037	651	625	654	1049	2609	9214	13669	3168	1732	1378
79	1234	1516	2571	12139	6597	2190	877	575	555	578	865	2211	7578	11875	2786	1558	1234
80	1087	1348	2255	10203	5005	1808	709	496	488	505	719	1846	5858	10152	2388	1394	1087
81	961	1197	1900	8094	3507	1451	576	424	413	429	588	1440	4349	8442	2043	1236	961
82	826	1044	1598	6435	2401	1103	452	353	346	359	455	1080	3034	6757	1686	1067	826
83	715	904	1317	4923	1602	827	360	281	279	291	360	794	2012	5323	1386	919	715
84	591	765	1059	3655	1074	593	269	210	210	222	280	569	1304	4070	1139	792	591
85	477	627	839	2601	731	386	189	146	140	157	201	376	861	2995	905	657	477
86	366	494	626	1773	477	257	125	97	90	98	139	254	567	2097	675	509	366
87	261	351	434	1036	320	157	72	58	52	59	78	158	383	1244	464	362	261
88	160	220	253	545	201	71	42	26	18	26	48	89	242	663	298	231	160
89	79	111	135	238	111	35	23	14	16	13	30	51	136	271	149	123	79
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
94	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
105	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
107	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
111	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
112	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
114	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
117	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
118	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
121	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
124	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
125	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
126	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
132	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
138	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
141	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
142	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

145	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
146	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
148	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
150	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
156	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
157	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
158	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Luminaire Report Summary

IESNA:LM-63-2002
[TEST] BLC2203042E-A
[TESTLAB] UTEST TECHNICAL LABORATORY
[ISSUE DATE]
[MANUFAC] SARIN Energy Solutions
[_TOTALLUMINAIRELUMENS] 57640.9
[_VOLTAGE] 120.0 V
[_CURRENT] 3.775 A
[_POWERFACTOR] 0.998
[_THD] 4.92
[_TESTINST] GPM-3000
[_TESTDIST] 14.140 M [K=1.0000]
[_TESTTEMPERATURE] 25.4 'C
[_TESTHUMIDITY]
[_TESTOPERATOR]
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

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Reported data calculated from manufacturer's data file, based on IES recommended methods.