

Photometrics Pro

Luminaire Photometric Report

Filename: CP6 - Canopy Light - 95W - IES

Manufacturer: SARIN Energy Solutions

Lamp Output: 1 lamp, rated Lumens/lamp: 12833.4

Max Candela: 4,316.1 at Horizontal: 247.5°, Vertical: 6°

Input Wattage: 94.37

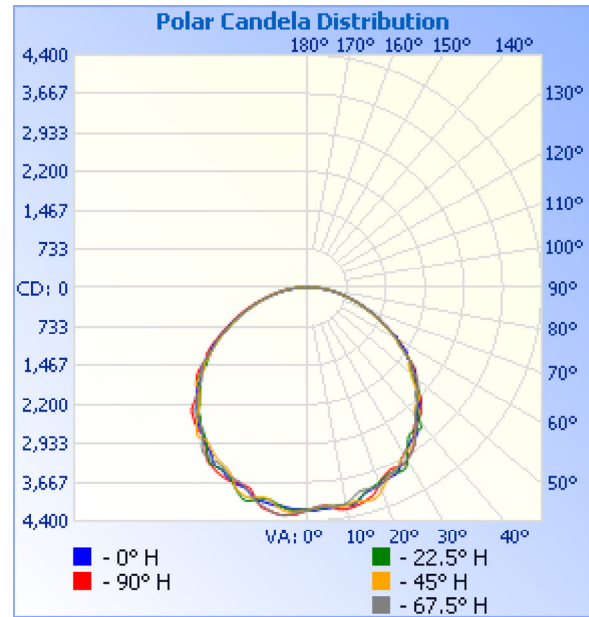
Luminous Opening: Point

Test: BLC2112052E-B

Test Lab: UTEST TECHNICAL LABORATORY

Photometry : Type C

Nema Type: 7 X 7



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	217.1	
Max Cd, 80 to <90 Deg:	649.8	
	Lumens	% Lamp
Downward Street Side:	6,358.3	49.5%
Downward House Side:	6,368.8	49.6%
Downward Total:	12,727.1	99.2%
Upward Street Side:	54.7	0.4%
Upward House Side:	51.7	0.4%
Upward Total:	106.3	0.8%
Total Lumens:	12,833.4	100%

Flood Summary

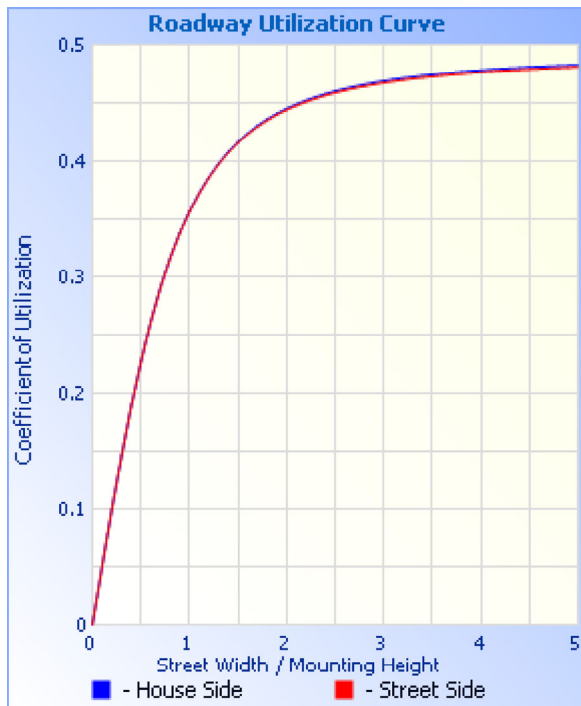
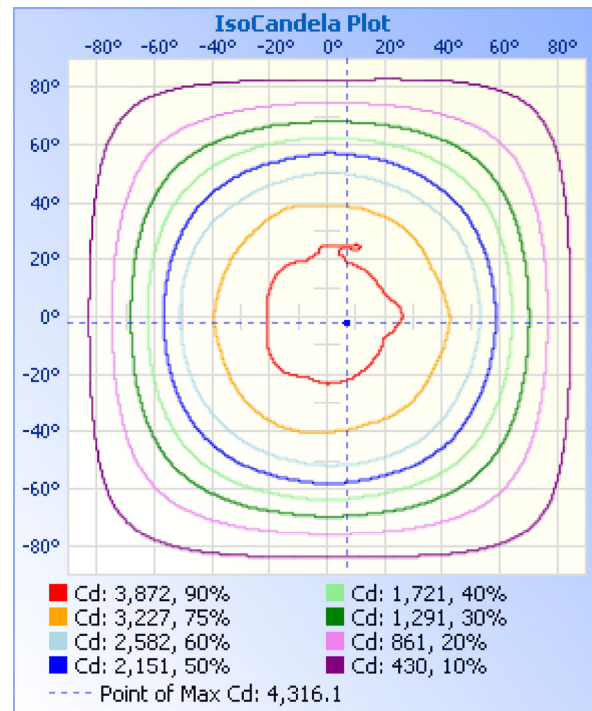
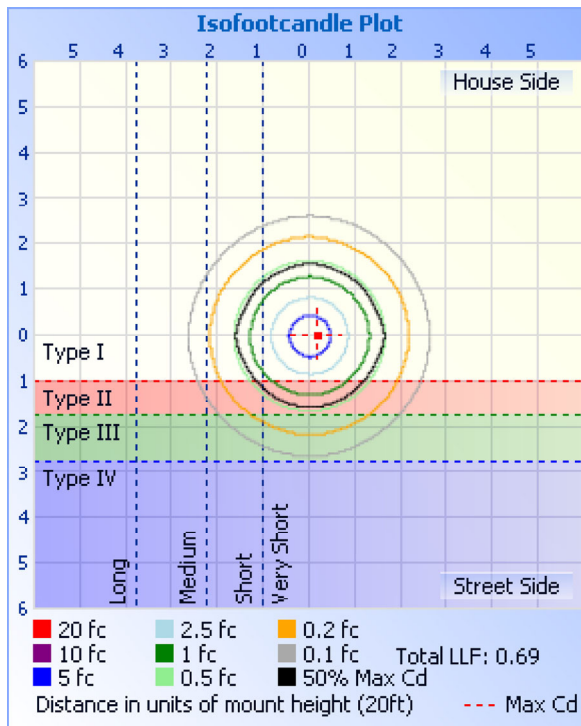
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.5%	12,519.0	167.4	166.4
Beam (50%):	72.1%	9,252.3	115.6	114.3
Total:	100%	12,827.7		

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	3,312.6	25.8%	25.8%
0-40	5,480.1	42.7%	42.7%
0-60	9,803.5	76.4%	76.4%
60-90	2,922.5	22.8%	22.8%
70-100	1,435.0	11.2%	11.2%
90-120	80.2	0.6%	0.6%
0-90	12,726.0	99.2%	99.2%
90-180	106.3	0.8%	0.8%
0-180	12,832.3	100%	100%

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	398.3	3.1%	90-100	69.8	0.5%
10-20	1,152.6	9.0%	100-110	6.7	0.1%
20-30	1,761.7	13.7%	110-120	3.6	0%
30-40	2,167.5	16.9%	120-130	3.9	0%
40-50	2,264.5	17.6%	130-140	5.5	0%
50-60	2,058.8	16.0%	140-150	6.0	0%
60-70	1,557.4	12.1%	150-160	5.6	0%
70-80	946.8	7.4%	160-170	3.8	0%
80-90	418.4	3.3%	170-180	1.3	0%



Illuminance at a Distance

	Center Beam fc	Beam Width	
1.7R	1,450 fc	5.3 ft	5.4 ft
3.3R	385 fc	10.2 ft	10.5 ft
5.0R	168 fc	15.5 ft	15.9 ft
6.7R	93.4 fc	20.8 ft	21.3 ft
8.3R	60.8 fc	25.7 ft	26.3 ft
10.0R	41.9 fc	31.0 ft	31.7 ft

■ Vert. Spread: 114.3°
■ Horiz. Spread: 115.6°

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	50	30	20	0
RCR: 0	1.19	1.19	1.19	1.19	1.16	1.16	1.16	.99	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	1.01	1.01	1.01	.99
1	1.08	1.03	.98	.94	1.05	1.00	.96	.83	.96	.93	.89	.92	.89	.87	.88	.86	.84	.88	.86	.84	.82
2	.98	.89	.82	.76	.95	.87	.81	.69	.84	.78	.73	.80	.76	.72	.77	.73	.70	.77	.73	.70	.68
3	.89	.78	.70	.63	.86	.77	.69	.58	.73	.67	.61	.70	.65	.60	.68	.63	.59	.68	.63	.59	.57

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

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	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192	4192
1	4200	4184	4172	4171	4163	4154	4166	4173	4187	4187	4205	4218	4218	4220	4211	4211	4200
2	4196	4177	4153	4147	4140	4137	4148	4163	4181	4195	4219	4237	4247	4250	4235	4218	4196
3	4182	4162	4143	4125	4126	4119	4142	4154	4182	4206	4233	4257	4274	4267	4236	4209	4182
4	4175	4154	4134	4123	4124	4105	4136	4154	4179	4208	4243	4277	4288	4259	4222	4195	4175
5	4177	4153	4136	4128	4127	4103	4141	4150	4170	4200	4246	4301	4298	4225	4193	4183	4177
6	4169	4146	4142	4139	4145	4114	4151	4148	4152	4180	4235	4316	4310	4200	4164	4172	4169
7	4162	4147	4155	4148	4182	4149	4154	4146	4145	4147	4206	4314	4308	4172	4115	4147	4162
8	4153	4138	4167	4142	4217	4174	4152	4149	4150	4120	4166	4303	4296	4145	4078	4130	4153
9	4146	4144	4174	4142	4229	4192	4147	4146	4149	4094	4117	4278	4282	4125	4066	4129	4146
10	4158	4152	4167	4123	4232	4196	4139	4150	4136	4065	4070	4249	4264	4123	4072	4150	4158
11	4176	4159	4152	4092	4225	4178	4121	4139	4126	4060	4040	4220	4249	4139	4085	4174	4176
12	4169	4152	4123	4050	4214	4146	4105	4130	4119	4070	4036	4198	4228	4149	4117	4202	4169
13	4136	4119	4130	3998	4201	4112	4082	4116	4117	4097	4050	4170	4163	4145	4158	4238	4136
14	4083	4077	4148	3962	4185	4079	4053	4115	4095	4120	4072	4120	4103	4131	4191	4249	4083
15	4034	4030	4171	3949	4161	4057	4039	4106	4061	4151	4099	4086	4011	4098	4228	4221	4034
16	4003	3990	4171	3954	4132	4041	4034	4076	4012	4175	4108	4026	3940	4037	4232	4152	4003
17	3990	3962	4179	3968	4112	4025	4028	4037	3967	4172	4101	3967	3919	3979	4200	4080	3990
18	3978	3945	4161	3976	4069	4008	4027	3994	3946	4127	4078	3923	3911	3949	4129	4004	3978
19	3968	3928	4125	3981	4005	3979	4033	3951	3944	4070	4055	3886	3907	3918	4028	3941	3968
20	3947	3902	4062	3961	3931	3952	4038	3917	3937	4009	3992	3871	3909	3890	3918	3883	3947
21	3933	3876	3996	3930	3865	3928	4027	3892	3920	3943	3913	3865	3912	3874	3854	3848	3933
22	3911	3856	3931	3877	3825	3893	4002	3863	3895	3886	3836	3848	3924	3863	3800	3835	3911
23	3897	3827	3883	3842	3790	3865	3941	3825	3874	3838	3778	3828	3919	3846	3771	3831	3897
24	3882	3815	3844	3822	3763	3844	3893	3789	3845	3806	3733	3796	3909	3842	3739	3841	3882
25	3887	3827	3812	3815	3753	3818	3836	3756	3806	3787	3702	3756	3895	3838	3713	3859	3887
26	3870	3855	3778	3801	3770	3791	3786	3748	3786	3786	3678	3721	3878	3828	3704	3882	3870
27	3802	3882	3747	3769	3775	3764	3744	3741	3784	3787	3660	3701	3850	3836	3688	3915	3802
28	3712	3870	3703	3752	3776	3738	3696	3749	3764	3782	3635	3693	3829	3844	3662	3897	3712
29	3645	3827	3650	3742	3762	3702	3647	3770	3709	3770	3607	3695	3799	3837	3642	3815	3645
30	3609	3737	3609	3717	3727	3655	3600	3767	3629	3744	3574	3699	3768	3825	3606	3714	3609
31	3571	3631	3583	3696	3693	3625	3567	3737	3580	3673	3535	3698	3711	3789	3587	3621	3571
32	3537	3537	3564	3668	3651	3597	3534	3663	3554	3602	3493	3686	3636	3721	3588	3578	3537
33	3502	3452	3562	3621	3617	3579	3511	3573	3525	3512	3462	3651	3532	3650	3607	3541	3502
34	3470	3382	3545	3568	3568	3572	3497	3486	3488	3452	3454	3577	3464	3533	3624	3501	3470
35	3439	3352	3490	3509	3496	3535	3486	3418	3448	3397	3465	3467	3419	3432	3620	3447	3439
36	3456	3342	3420	3437	3389	3483	3471	3369	3393	3355	3483	3390	3388	3361	3561	3382	3456
37	3425	3352	3365	3368	3315	3395	3428	3334	3340	3325	3465	3327	3388	3306	3452	3329	3425
38	3325	3391	3304	3289	3262	3298	3359	3309	3320	3285	3408	3275	3374	3270	3356	3317	3325
39	3231	3387	3216	3205	3240	3212	3301	3292	3288	3219	3335	3246	3345	3251	3281	3299	3231
40	3172	3267	3128	3136	3224	3139	3234	3282	3211	3165	3250	3225	3313	3211	3238	3201	3172
41	3130	3159	3055	3088	3208	3092	3155	3242	3148	3132	3170	3207	3275	3153	3201	3089	3130
42	3085	3083	3013	3049	3174	3060	3086	3146	3108	3072	3078	3174	3240	3089	3116	3024	3085
43	3056	3026	2995	3006	3114	3029	3027	3043	3069	2995	3002	3109	3210	3026	3021	2978	3056
44	3025	2965	2983	2941	3057	2979	2979	2971	3011	2938	2936	3037	3157	2980	2953	2919	3025
45	2977	2918	2961	2863	3009	2923	2934	2905	2950	2884	2890	2980	3016	2958	2915	2880	2977
46	2901	2876	2903	2812	2942	2840	2868	2837	2905	2821	2837	2937	2906	2945	2912	2866	2901

47	2817	2840	2807	2798	2819	2786	2796	2789	2869	2765	2793	2832	2825	2883	2880	2839	2817
48	2764	2763	2690	2790	2728	2748	2725	2763	2792	2739	2783	2740	2799	2778	2827	2819	2764
49	2708	2642	2604	2739	2673	2693	2650	2739	2710	2760	2789	2663	2787	2699	2719	2738	2708
50	2645	2562	2542	2657	2649	2620	2590	2651	2647	2731	2728	2618	2752	2658	2615	2614	2645
51	2585	2503	2477	2589	2617	2557	2541	2533	2592	2628	2592	2583	2697	2646	2534	2501	2585
52	2538	2448	2410	2507	2559	2511	2449	2458	2545	2502	2495	2538	2643	2621	2477	2436	2538
53	2451	2407	2366	2447	2505	2466	2354	2419	2497	2395	2453	2500	2578	2551	2455	2412	2451
54	2369	2367	2356	2383	2415	2412	2285	2371	2409	2343	2408	2464	2451	2464	2414	2406	2369
55	2275	2307	2323	2306	2302	2328	2276	2305	2303	2317	2277	2387	2347	2378	2327	2339	2275
56	2244	2204	2206	2219	2219	2244	2251	2239	2226	2263	2206	2257	2297	2262	2232	2232	2244
57	2208	2096	2101	2134	2174	2128	2127	2164	2194	2162	2179	2163	2266	2167	2128	2159	2208
58	2107	2032	2002	2040	2104	2026	2010	2072	2157	2087	2095	2083	2187	2101	2044	2100	2107
59	1987	2015	1949	1979	2038	1965	1955	2008	2067	2023	1996	2024	2111	2039	1968	2042	1987
60	1926	1935	1891	1916	1945	1909	1910	1974	1948	1955	1924	1962	2034	1960	1904	1938	1926
61	1906	1824	1850	1856	1850	1839	1834	1885	1887	1882	1854	1881	1929	1900	1867	1835	1906
62	1792	1766	1774	1797	1791	1764	1781	1778	1842	1783	1798	1806	1873	1856	1824	1760	1792
63	1698	1707	1674	1706	1718	1685	1710	1713	1749	1699	1725	1726	1801	1781	1702	1715	1698
64	1665	1586	1594	1623	1648	1639	1596	1637	1658	1656	1625	1677	1723	1712	1630	1632	1665
65	1557	1531	1532	1533	1557	1560	1533	1544	1617	1588	1557	1606	1648	1626	1568	1532	1557
66	1487	1482	1444	1474	1505	1474	1477	1487	1524	1488	1495	1542	1574	1548	1523	1496	1487
67	1439	1379	1365	1408	1424	1389	1389	1433	1453	1440	1457	1440	1515	1461	1437	1426	1439
68	1337	1319	1315	1335	1326	1317	1328	1347	1394	1368	1365	1373	1436	1399	1366	1344	1337
69	1287	1258	1230	1276	1268	1251	1242	1276	1309	1294	1280	1293	1360	1317	1290	1275	1287
70	1198	1187	1158	1188	1198	1186	1180	1203	1252	1224	1234	1227	1290	1251	1210	1199	1198
71	1136	1112	1112	1123	1133	1117	1124	1143	1157	1156	1154	1173	1225	1179	1145	1141	1136
72	1061	1055	1036	1066	1066	1056	1051	1075	1094	1084	1083	1106	1150	1116	1079	1071	1061
73	1014	989	980	1009	993	995	997	1019	1036	1029	1017	1025	1094	1048	1014	1008	1014
74	935	924	927	942	936	931	931	954	975	970	955	965	1016	993	963	955	935
75	871	859	864	878	867	870	878	891	895	899	891	910	948	919	896	875	871
76	805	796	800	825	808	807	819	831	833	839	849	849	881	872	838	820	805
77	749	745	743	765	741	758	767	774	774	781	785	793	815	797	784	760	749
78	684	693	699	709	697	702	713	710	716	720	731	731	763	745	726	706	684
79	628	635	651	663	640	654	656	659	654	663	676	682	703	692	677	655	628
80	573	583	602	610	592	606	612	606	596	611	629	632	650	644	628	599	573
81	522	532	555	560	536	562	568	549	545	561	579	588	596	589	581	544	522
82	470	484	509	516	487	514	521	509	494	518	532	538	549	551	536	494	470
83	419	441	465	471	435	471	478	463	445	469	490	498	494	506	493	454	419
84	375	400	422	431	389	419	432	424	398	424	451	453	443	460	454	416	375
85	334	357	380	379	335	370	388	375	347	380	407	405	399	415	409	365	334
86	293	317	340	332	288	328	351	337	307	339	366	364	350	370	369	333	293
87	253	277	294	288	250	282	307	297	274	299	323	317	306	330	326	292	253
88	213	238	258	249	209	243	265	258	225	264	288	277	258	283	286	254	213
89	171	199	218	206	172	197	230	212	179	220	253	239	223	245	253	215	171
90	134	168	188	170	138	166	196	172	143	183	212	196	177	206	217	187	134
91	113	140	164	139	110	133	158	144	116	148	184	163	145	171	183	152	113
92	84	111	131	114	83	98	132	116	78	117	155	135	115	140	153	125	84
93	68	81	102	73	64	77	107	89	61	95	124	104	84	105	127	96	68
94	29	54	82	46	37	42	81	58	31	68	100	74	64	76	98	69	29
95	15	36	64	22	15	23	68	41	12	36	83	37	45	54	73	44	15

96	0	33	44	10	8	10	52	31	11	35	60	22	24	21	57	34	0
97	9	29	42	11	0	0	42	29	0	25	54	0	8	0	36	29	9
98	9	27	30	0	9	0	39	29	0	29	35	0	10	11	37	24	9
99	10	24	25	0	8	0	26	19	10	22	31	0	8	0	31	18	10
100	11	24	13	8	0	8	19	27	17	28	19	0	0	8	21	21	11
101	14	21	8	8	0	0	0	27	15	29	17	0	0	0	15	20	14
102	13	18	8	0	9	0	0	23	14	24	0	0	8	0	8	23	13
103	14	15	0	0	13	0	0	17	11	18	0	0	8	8	0	10	14
104	10	0	0	8	0	0	0	15	16	11	0	0	8	8	11	9	10
105	13	0	8	8	0	0	8	9	8	0	0	8	9	9	9	0	13
106	0	0	0	8	0	0	9	0	9	9	0	0	10	0	10	10	0
107	8	11	0	11	11	8	8	0	0	0	8	0	0	0	8	8	8
108	8	0	9	0	0	0	9	9	0	0	0	0	0	0	10	11	8
109	0	8	0	10	0	0	0	8	0	8	0	0	8	0	8	0	0
110	9	0	0	0	0	0	0	0	11	8	0	0	0	0	11	12	9
111	10	8	0	0	10	0	10	0	0	0	9	0	0	7	12	8	10
112	0	10	0	0	0	0	8	0	8	0	8	0	8	0	11	8	0
113	0	8	0	0	0	0	11	0	12	0	0	0	10	0	0	9	0
114	0	10	0	0	0	0	9	0	8	0	0	0	0	9	0	8	0
115	10	0	0	0	0	0	0	0	9	10	0	0	0	9	0	10	10
116	0	8	8	0	11	0	10	0	11	0	0	8	8	7	0	8	0
117	13	10	8	0	0	0	0	0	10	0	0	0	0	0	0	9	13
118	0	14	0	9	0	0	0	0	0	0	0	0	8	9	10	9	0
119	12	0	0	0	8	0	8	0	0	0	8	0	0	8	8	9	12
120	0	9	0	0	0	0	10	0	0	9	9	0	0	8	8	8	0
121	11	10	0	0	0	8	0	0	0	0	9	0	0	0	0	0	11
122	10	9	0	0	11	0	10	0	13	0	0	0	8	0	12	10	10
123	10	10	8	9	12	0	10	9	0	13	0	0	8	0	11	0	10
124	0	10	8	0	0	8	9	0	9	0	10	0	0	9	0	8	0
125	0	12	0	8	9	0	0	8	0	0	0	0	0	0	0	9	0
126	10	10	0	0	0	0	0	11	0	0	0	0	10	9	9	11	10
127	8	11	0	0	0	0	8	8	0	9	8	0	11	0	8	13	8
128	9	12	0	0	0	0	10	8	8	0	0	0	8	0	9	11	9
129	0	0	11	0	0	0	0	8	9	0	0	8	8	8	13	10	0
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131	10	11	0	0	8	0	10	0	10	0	9	9	12	0	8	9	10
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134	11	10	10	9	10	0	9	8	11	9	0	11	9	0	8	13	11
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175	13	15	14	14	17	14	17	17	14	11	13	13	13	14	18	12	13
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Luminaire Report Summary

IESNA:LM-63-2002
[TEST] BLC2112052E-B
[TESTLAB] UTEST TECHNICAL LABORATORY
[ISSUE DATE] 2021-12-29 21:49
[MANUFAC] SARIN Energy Solutions
[_TOTALLUMINAIRELUMENS] 12832.3
[_VOLTAGE] 120.0 V
[_CURRENT] 0.793 A
[_POWERFACTOR] 0.992
[_THD] 12.04
[_TESTINST] GPM-3000
[_TESTDIST] 14.140 M [K=1.0000]
[_TESTTEMPERATURE] 25.9 '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.