

# Photometrics Pro

## Luminaire Photometric Report

**Filename:** GS04 - Garden Light Post-Top - CCT - 75W - IES

**Manufacturer:** SARIN Energy Solutions

**Lamp Output:** 1 lamp, rated Lumens/lamp: 11012.2

**Max Candela:** 6,187.4 at Horizontal: 67.5°, Vertical: 69°

**Input Wattage:** 76.66

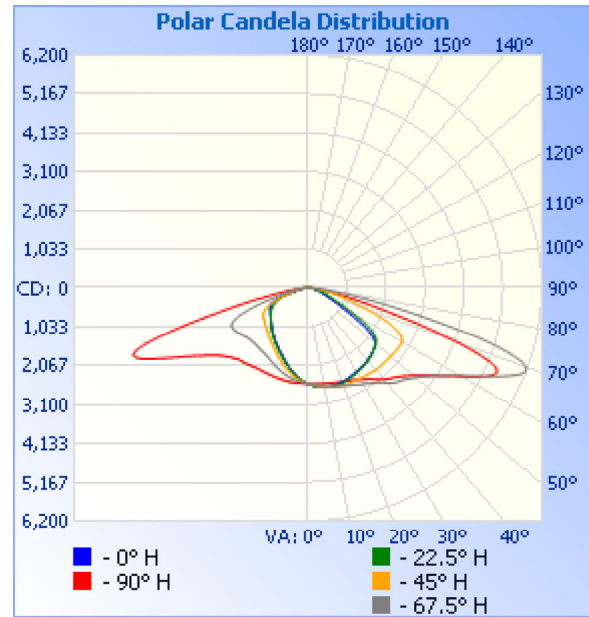
**Luminous Opening:** Point

**Test:** UTC2310025E-A

**Test Lab:** UTEST TECHNICAL LABORATORY CO.LTD

**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:	1,626.4	
	Lumens	% Lamp
Downward Street Side:	6,564.5	59.6%
Downward House Side:	4,447.7	40.4%
Downward Total:	11,012.2	100%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
<b>Total Lumens:</b>	<b>11,012.2</b>	<b>100%</b>

### Flood Summary

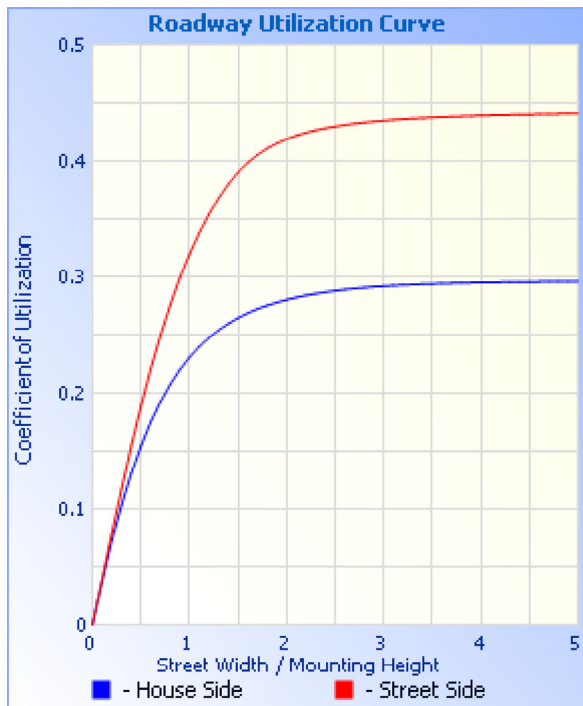
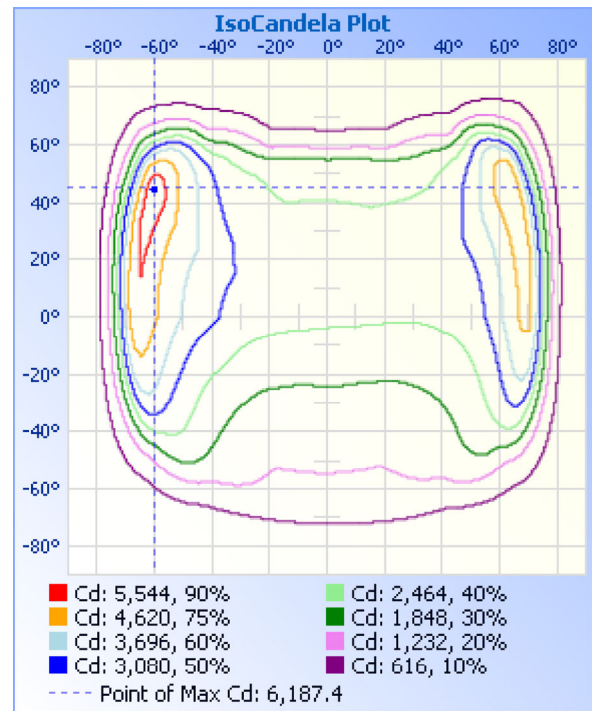
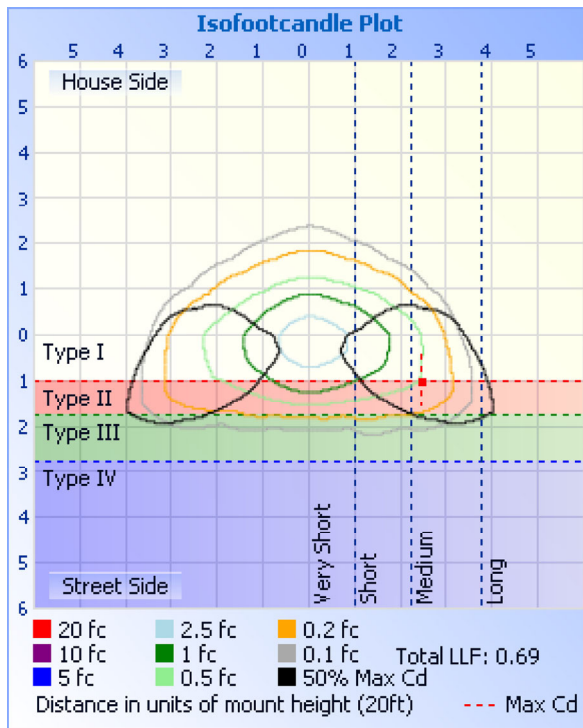
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	96.8%	10,663.4	156.3	133.2
Beam (50%):	25.5%	2,803.2	30.1	93.3
<b>Total:</b>	<b>100%</b>	<b>11,007.9</b>		

### Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	2,040.0	18.5%	18.5%
0-40	3,497.1	31.8%	31.8%
0-60	7,376.1	67%	67%
60-90	3,635.6	33%	33%
70-100	1,398.8	12.7%	12.7%
90-120	0	0%	0%
0-90	11,011.7	100%	100%
90-180	0	0%	0%
0-180	11,011.7	100%	100%

### Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	241.2	2.2%	90-100	0	0%
10-20	699.1	6.3%	100-110	0	0%
20-30	1,099.8	10.0%	110-120	0	0%
30-40	1,457.0	13.2%	120-130	0	0%
40-50	1,787.3	16.2%	130-140	0	0%
50-60	2,091.8	19.0%	140-150	0	0%
60-70	2,236.8	20.3%	150-160	0	0%
70-80	1,226.4	11.1%	160-170	0	0%
80-90	172.4	1.6%	170-180	0	0%



**Illuminance at a Distance**

	Center Beam fc	Beam Width	
2.0R	635 fc	4.2 ft	1.1 ft
4.0R	159 fc	8.5 ft	2.2 ft
6.0R	70.6 fc	12.7 ft	3.2 ft
8.0R	39.7 fc	16.9 ft	4.3 ft
10.0R	25.4 fc	21.2 ft	5.4 ft
12.0R	17.6 fc	25.4 ft	6.5 ft

■ Vert. Spread: 93.3°  
 ■ Horiz. Spread: 30.1°

**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	1.07	1.02	.97	.92	1.04	.99	.95	.81	.95	.91	.88	.91	.88	.85	.87	.85	.83	.80
2	.96	.86	.78	.72	.93	.84	.77	.65	.80	.74	.69	.77	.72	.67	.74	.70	.66	.63
3	.86	.74	.64	.57	.83	.72	.63	.53	.69	.62	.55	.66	.60	.54	.63	.58	.53	.51

4	.78	.64	.54	.46	.75	.63	.53	.44	.60	.52	.45	.57	.50	.45	.55	.49	.44	.42
5	.71	.56	.46	.39	.68	.55	.46	.37	.53	.44	.38	.51	.43	.38	.49	.42	.37	.35
6	.65	.50	.40	.33	.63	.49	.40	.32	.47	.39	.32	.45	.38	.32	.44	.37	.32	.30
7	.60	.45	.35	.29	.58	.44	.35	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.25
8	.55	.41	.31	.25	.54	.40	.31	.24	.38	.30	.25	.37	.30	.25	.36	.29	.24	.22
9	.51	.37	.28	.22	.50	.36	.28	.22	.35	.27	.22	.34	.27	.22	.33	.26	.22	.20
10	.48	.34	.25	.20	.47	.33	.25	.19	.32	.25	.20	.31	.24	.20	.30	.24	.19	.18

**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	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541	2541
1	2559	2556	2552	2551	2543	2532	2528	2526	2522	2519	2523	2531	2540	2545	2554	2559	2559
2	2576	2573	2564	2559	2546	2529	2517	2508	2499	2501	2508	2520	2535	2549	2564	2576	2576
3	2593	2594	2582	2569	2550	2525	2501	2488	2477	2476	2491	2512	2536	2551	2577	2593	2593
4	2608	2609	2592	2579	2554	2520	2489	2463	2451	2454	2476	2503	2532	2562	2589	2603	2608
5	2622	2623	2610	2587	2555	2514	2473	2440	2424	2431	2458	2494	2533	2566	2597	2615	2622
6	2634	2638	2623	2604	2562	2505	2455	2411	2394	2403	2438	2483	2535	2569	2609	2628	2634
7	2641	2646	2636	2611	2563	2499	2435	2388	2366	2375	2417	2471	2532	2577	2618	2639	2641
8	2654	2656	2650	2624	2570	2494	2418	2363	2334	2344	2396	2462	2538	2584	2626	2649	2654
9	2660	2667	2661	2632	2571	2486	2399	2335	2303	2318	2375	2455	2535	2589	2638	2660	2660
10	2666	2673	2670	2641	2576	2481	2376	2305	2272	2286	2352	2441	2536	2598	2645	2664	2666
11	2673	2676	2681	2654	2581	2469	2356	2271	2237	2256	2326	2428	2536	2603	2652	2671	2673
12	2678	2687	2689	2662	2588	2462	2330	2242	2207	2224	2301	2416	2534	2609	2662	2677	2678
13	2677	2691	2698	2676	2590	2453	2304	2210	2177	2194	2273	2402	2530	2615	2670	2683	2677
14	2682	2694	2706	2684	2600	2440	2278	2180	2139	2157	2247	2385	2530	2620	2673	2687	2682
15	2679	2695	2713	2694	2602	2435	2255	2148	2108	2126	2224	2370	2529	2625	2681	2685	2679
16	2676	2696	2720	2706	2609	2425	2231	2112	2076	2095	2193	2358	2525	2635	2682	2686	2676
17	2670	2693	2727	2718	2619	2416	2202	2077	2037	2065	2165	2338	2523	2634	2688	2682	2670
18	2664	2691	2732	2731	2625	2411	2181	2043	2009	2033	2140	2317	2523	2641	2689	2680	2664
19	2658	2685	2740	2746	2632	2398	2151	2013	1977	2003	2111	2304	2524	2642	2690	2676	2658
20	2651	2678	2743	2760	2645	2390	2129	1982	1944	1970	2079	2287	2522	2648	2693	2673	2651
21	2643	2671	2748	2775	2656	2383	2104	1948	1918	1941	2050	2267	2520	2646	2693	2664	2643
22	2637	2666	2753	2792	2668	2374	2078	1920	1889	1915	2022	2256	2518	2655	2692	2658	2637
23	2630	2654	2754	2808	2679	2366	2056	1889	1861	1887	1994	2235	2514	2658	2688	2652	2630
24	2621	2649	2756	2823	2690	2362	2027	1864	1838	1857	1967	2220	2514	2662	2681	2643	2621
25	2611	2638	2760	2835	2701	2353	2002	1836	1813	1836	1940	2201	2513	2666	2678	2634	2611
26	2602	2631	2763	2855	2720	2353	1983	1808	1785	1803	1915	2187	2514	2668	2672	2627	2602
27	2587	2619	2765	2876	2742	2350	1961	1783	1762	1782	1892	2169	2513	2676	2666	2615	2587
28	2581	2609	2765	2896	2765	2348	1943	1761	1736	1758	1868	2154	2517	2682	2664	2609	2581
29	2573	2603	2769	2918	2782	2347	1922	1736	1716	1733	1845	2141	2512	2683	2656	2596	2573
30	2565	2590	2770	2940	2807	2348	1905	1714	1692	1709	1822	2127	2520	2689	2649	2582	2565
31	2555	2581	2772	2959	2829	2352	1892	1691	1673	1687	1800	2116	2521	2693	2641	2571	2555
32	2546	2568	2779	2984	2857	2357	1872	1664	1643	1668	1782	2107	2522	2697	2633	2561	2546
33	2537	2560	2779	3015	2884	2362	1858	1642	1624	1639	1758	2094	2529	2706	2626	2550	2537
34	2529	2550	2783	3043	2916	2368	1846	1623	1604	1623	1738	2087	2539	2717	2620	2539	2529
35	2523	2540	2788	3073	2956	2377	1830	1595	1579	1594	1722	2081	2548	2723	2614	2530	2523
36	2516	2533	2792	3104	2997	2386	1814	1575	1560	1578	1699	2072	2554	2730	2604	2522	2516
37	2507	2521	2798	3141	3043	2397	1804	1556	1531	1555	1684	2066	2565	2745	2598	2509	2507
38	2499	2514	2805	3187	3085	2410	1786	1534	1512	1533	1663	2064	2576	2757	2593	2500	2499
39	2489	2506	2810	3232	3131	2412	1775	1513	1493	1511	1645	2057	2591	2773	2585	2491	2489
40	2477	2489	2817	3285	3170	2422	1763	1490	1477	1487	1628	2052	2601	2791	2578	2471	2477
41	2463	2481	2821	3336	3203	2426	1743	1468	1452	1468	1612	2051	2612	2809	2574	2460	2463
42	2452	2469	2827	3386	3233	2432	1736	1444	1428	1446	1593	2044	2620	2827	2567	2449	2452
43	2441	2455	2831	3417	3266	2442	1724	1422	1413	1425	1579	2044	2629	2843	2559	2433	2441
44	2428	2439	2835	3448	3296	2447	1711	1406	1392	1406	1562	2044	2642	2857	2547	2421	2428
45	2413	2419	2833	3474	3335	2463	1701	1383	1375	1382	1552	2043	2666	2872	2544	2406	2413
46	2399	2406	2833	3506	3383	2473	1689	1365	1353	1366	1535	2046	2690	2885	2538	2391	2399

47	2386	2387	2835	3550	3430	2492	1682	1345	1338	1344	1520	2048	2722	2905	2530	2372	2386
48	2373	2366	2835	3591	3487	2506	1670	1329	1323	1326	1512	2059	2751	2922	2523	2352	2373
49	2358	2348	2839	3642	3547	2525	1662	1312	1305	1308	1497	2066	2786	2953	2514	2334	2358
50	2332	2332	2842	3700	3617	2548	1654	1294	1289	1291	1490	2071	2827	2986	2512	2318	2332
51	2295	2309	2846	3761	3688	2573	1648	1279	1278	1273	1478	2086	2874	3020	2502	2298	2295
52	2233	2289	2849	3827	3766	2590	1641	1266	1260	1255	1465	2101	2923	3063	2494	2272	2233
53	2149	2254	2853	3899	3848	2615	1635	1246	1249	1238	1450	2118	2978	3106	2490	2236	2149
54	2038	2208	2860	3982	3940	2638	1624	1238	1234	1228	1442	2135	3047	3155	2484	2184	2038
55	1905	2132	2865	4067	4052	2667	1615	1219	1220	1210	1433	2153	3118	3217	2480	2108	1905
56	1738	2042	2874	4165	4159	2687	1606	1206	1207	1194	1424	2174	3198	3284	2474	2004	1738
57	1542	1916	2879	4264	4281	2704	1592	1188	1199	1178	1416	2198	3292	3353	2467	1882	1542
58	1367	1767	2887	4384	4404	2720	1576	1167	1184	1160	1405	2217	3392	3438	2459	1743	1367
59	1202	1619	2880	4515	4537	2731	1554	1151	1173	1141	1386	2236	3500	3521	2448	1586	1202
60	1058	1451	2876	4647	4691	2734	1526	1128	1159	1122	1368	2253	3623	3619	2435	1423	1058
61	940	1292	2856	4803	4866	2724	1493	1102	1149	1099	1346	2264	3753	3731	2402	1241	940
62	841	1138	2820	4976	5024	2708	1447	1079	1138	1074	1315	2271	3911	3851	2356	1101	841
63	757	1010	2755	5154	5179	2660	1392	1047	1126	1051	1279	2271	4073	3989	2296	974	757
64	687	894	2656	5354	5333	2600	1326	1013	1109	1021	1235	2255	4254	4129	2204	873	687
65	622	806	2543	5558	5441	2505	1248	974	1096	987	1180	2221	4434	4299	2099	781	622
66	569	731	2407	5743	5486	2382	1167	927	1071	949	1119	2165	4627	4470	1983	706	569
67	520	671	2250	5937	5420	2214	1062	886	1046	917	1050	2081	4802	4657	1842	642	520
68	469	609	2063	6095	5175	2003	967	837	1010	865	967	1969	4927	4866	1689	582	469
69	437	549	1854	6187	4770	1783	869	772	948	821	883	1805	4970	5082	1523	526	437
70	396	497	1657	6162	4217	1560	776	715	856	761	800	1632	4861	5262	1355	481	396
71	366	454	1486	5985	3594	1345	687	654	732	695	712	1448	4564	5393	1217	441	366
72	338	419	1304	5641	2959	1128	606	585	585	629	635	1268	4078	5423	1073	406	338
73	306	384	1145	5161	2367	955	534	515	463	555	568	1101	3465	5312	970	370	306
74	277	348	1013	4535	1935	810	471	430	373	475	502	933	2854	4992	855	340	277
75	246	317	885	3726	1586	674	409	360	306	393	446	809	2306	4496	758	308	246
76	222	289	775	3067	1279	566	361	300	256	325	396	696	1896	3787	670	280	222
77	202	260	678	2499	1026	475	313	252	219	271	355	599	1507	3126	594	254	202
78	183	234	590	2032	785	407	277	211	185	227	308	512	1185	2533	529	235	183
79	164	210	509	1604	612	340	221	174	162	190	270	442	951	2075	464	205	164
80	144	189	435	1266	468	289	181	149	139	160	227	381	735	1626	406	183	144
81	130	162	353	982	356	236	147	124	111	135	185	332	565	1294	338	164	130
82	111	138	283	742	275	200	113	103	91	111	150	282	434	1002	283	143	111
83	97	117	219	590	211	161	84	90	80	100	118	235	341	804	226	117	97
84	83	100	166	455	153	122	62	68	68	79	87	193	263	637	189	104	83
85	67	74	131	344	107	75	47	53	55	56	67	151	191	485	143	90	67
86	52	63	96	235	60	50	33	38	38	37	51	99	133	355	109	68	52
87	36	44	61	132	33	24	20	24	22	29	32	61	85	231	75	50	36
88	25	25	38	53	10	7	9	12	11	9	24	38	40	128	48	33	25
89	17	17	19	24	0	0	9	15	11	15	14	21	12	41	25	19	17
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] UTC2310025E-A  
[TESTLAB] UTEST TECHNICAL LABORATORY CO.LTD  
[ISSUE DATE] 2023/12/9  
[MANUFAC] SARIN Energy Solutions  
[\_TOTALLUMINAIRELUMENS] 11011.7  
[\_VOLTAGE] 120.0 V  
[\_CURRENT] 0.644 A  
[\_POWERFACTOR] 0.992  
[\_THD] 4.69  
[\_TESTINST] GPM-3000  
[\_TESTDIST] 14.450 M [K=1.0000]  
[\_TESTTEMPERATURE] 25.6 '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.