



Report of Test

LLIA001821-014A

Roadway/Area Light Distribution Photometry Test Report

Catalog Number: L6-16S-5-X-2ES-6-X-XX-4-XX-X-X-X

Pole/arm mounted, gray painted cast aluminum housing and driver compartment cover, one circuit board, one clear plastic lens with optic below each LED, open bottom.

16 white LEDs

Osram OT100W/UNV/1250C/2DIM/P6 LED driver at 1200mA, Littlefuse LSP10277SBX3472 surge suppressor



Prepared For:

LED Roadway Lighting

84 Chain Lake Drive

Suite 403

Halifax, Nova Scotia B3S 1A2, Canada

Performance Summary

Input Voltage	120.0 Vac	Luminous Flux	9154.8 Lumens
Input Current	0.5545 A	Total Efficacy	139.3 Lm/W
Input Power	65.73 W		
Frequency	60.00 Hz	Roadway Throw	Short
Power Factor	0.988	Roadway Type	Type II
Current THD	2.9 %	IES BUG Rating	B2 - U0 - G2

This test report was issued by LightLab International Allentown, LLC without alterations or erasures.

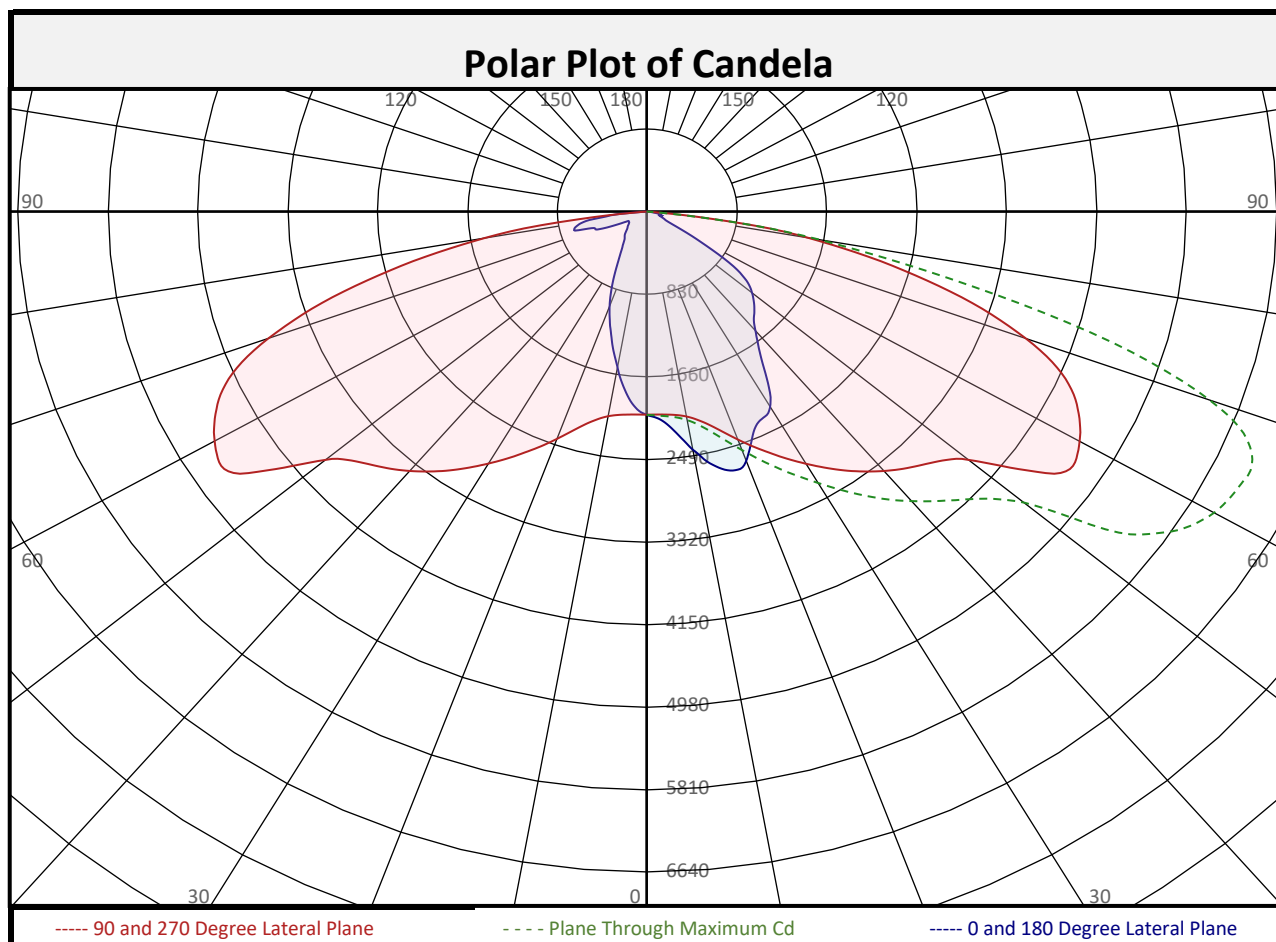
Test date: 08/04/2022

Report date: 08/04/2022

Signed: _____



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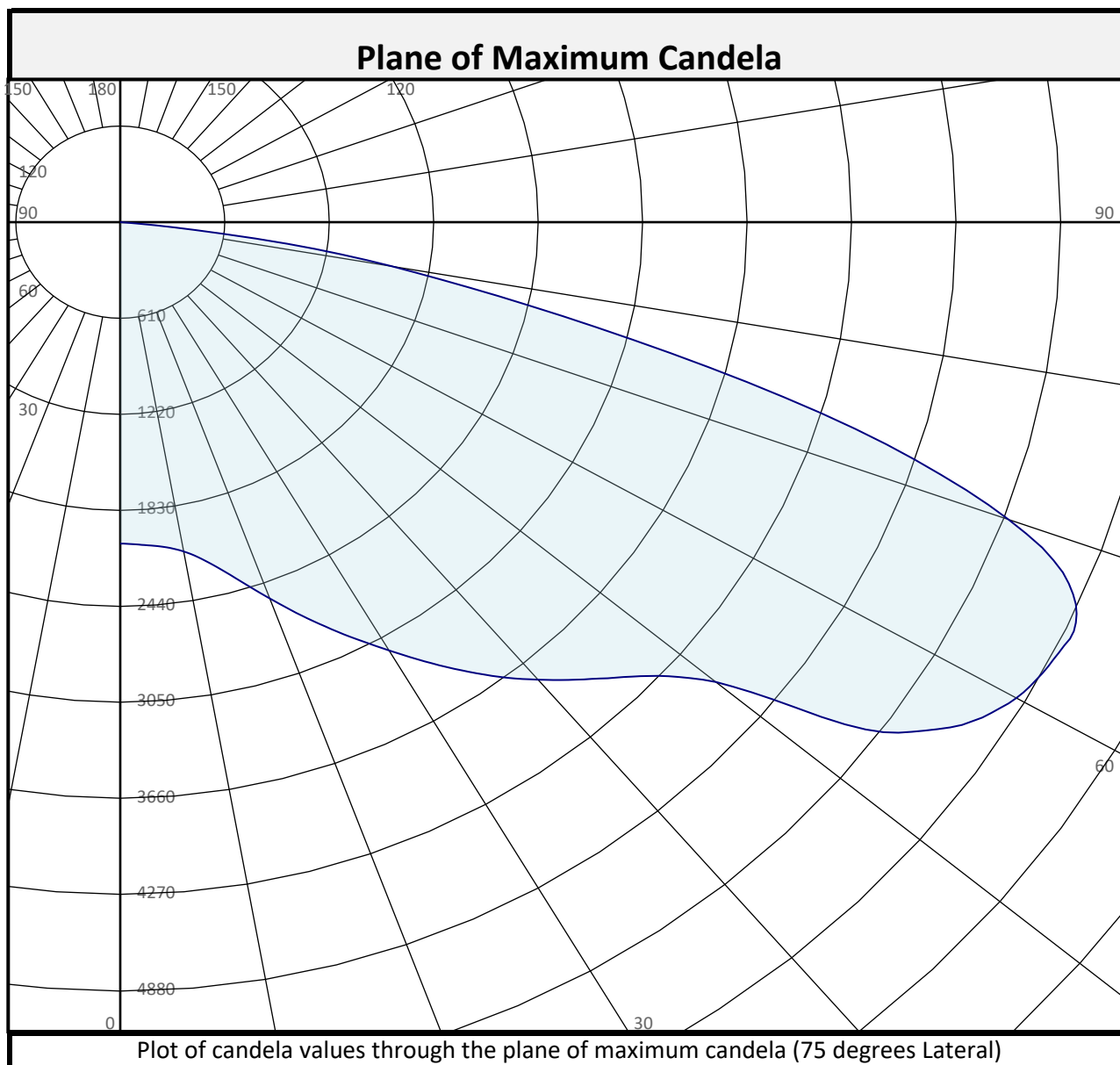


Zonal Flux Summary										
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total
0-10	193.9	2.1%		90-100	0.0	0.0%		0-20	782.8	8.6%
10-20	588.9	6.4%		100-110	0.0	0.0%		0-30	1755	19.2%
20-30	972.1	10.6%		110-120	0.0	0.0%		0-40	3043	33.2%
30-40	1288	14.1%		120-130	0.0	0.0%		0-60	6527	71.3%
40-50	1568	17.1%		130-140	0.0	0.0%		0-80	9034	98.7%
50-60	1915	20.9%		140-150	0.0	0.0%		10-90	8961	97.9%
60-70	1632	17.8%		150-160	0.0	0.0%		20-50	3828	41.8%
70-80	875.3	9.6%		160-170	0.0	0.0%		40-90	6112	66.8%
80-90	120.8	1.3%		170-180	0.0	0.0%		60-90	2628	28.7%
0-90	9155	100.0%		90-180	0.0	0.0%		0-180	9155	100.0%



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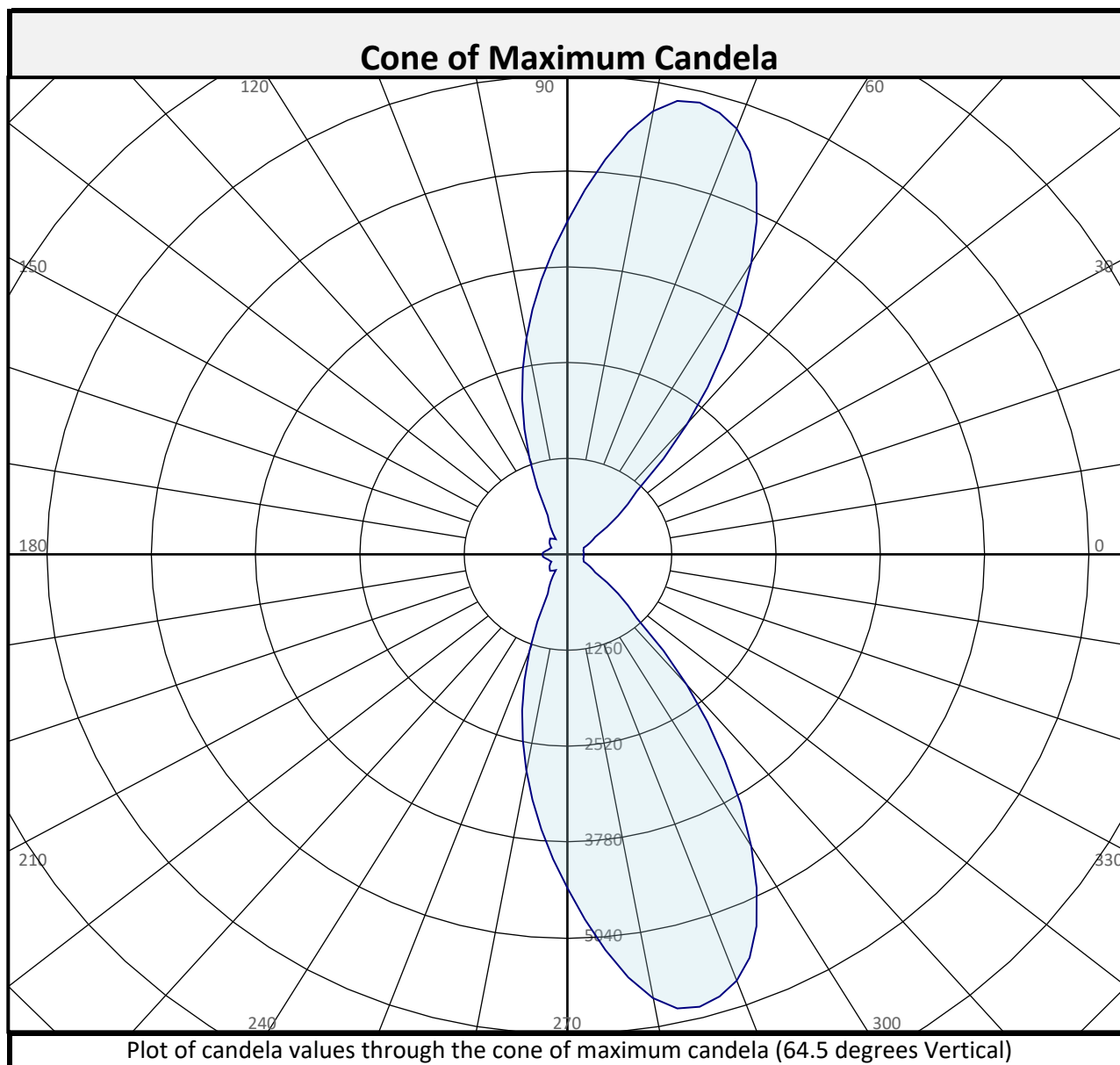


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	6358.5	69.5%	0.0	0.0%	6358.5	69.5%
House Side	2796.2	30.5%	0.0	0.0%	2796.2	30.5%
Total	9154.8	100.0%	0.0	0.0%	9154.8	100.0%



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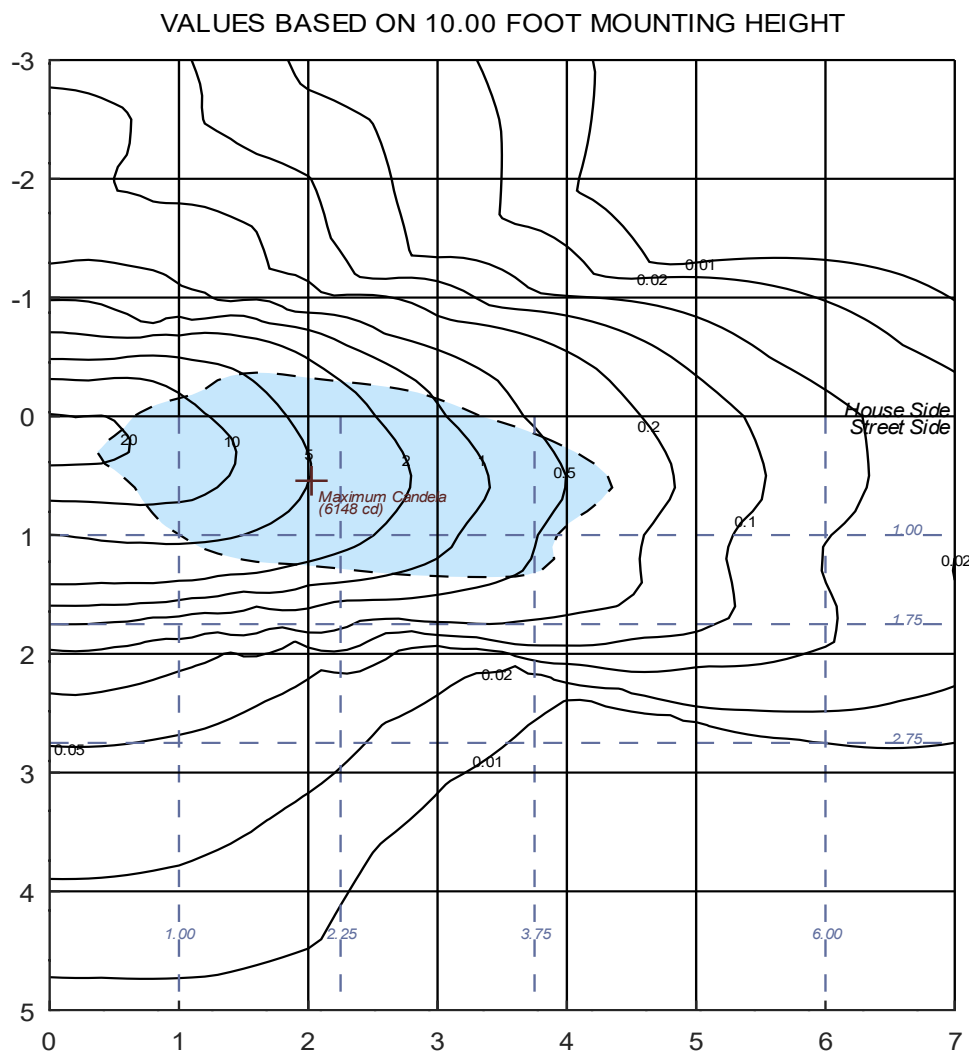


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	6358.5	69.5%	0.0	0.0%	6358.5	69.5%
House Side	2796.2	30.5%	0.0	0.0%	2796.2	30.5%
Total	9154.8	100.0%	0.0	0.0%	9154.8	100.0%



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Iso-Illuminance Plot



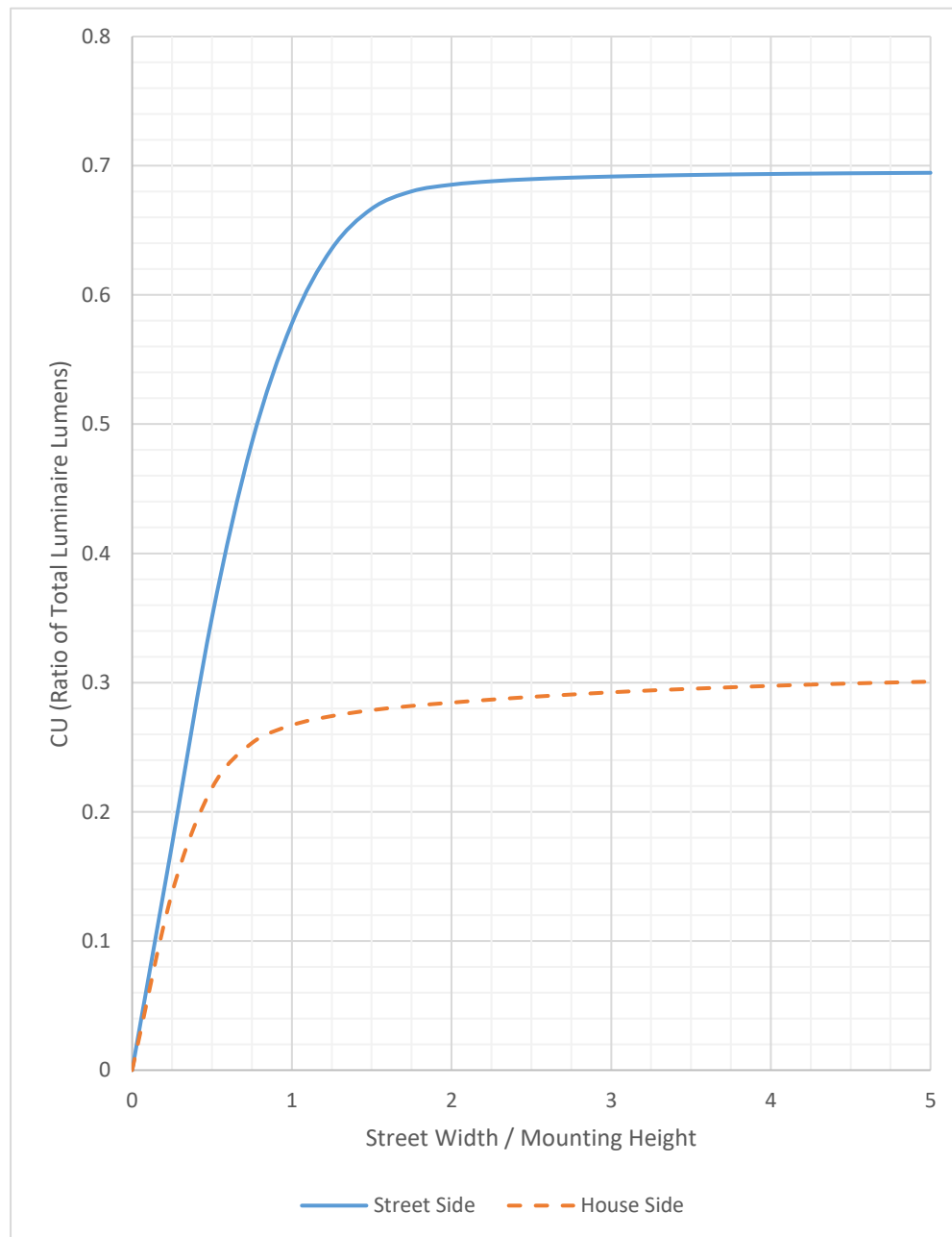
The isofootcandle values shown in the plot above are based on a mounting height of $h = 10.0$ feet. Grid values show multiples of mounting height. The isoilluminance contour lines are expressed in units of footcandles. The values expressed are based on the direct light from a single unit without the contribution of room reflections.



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Coefficients of Utilization Plot

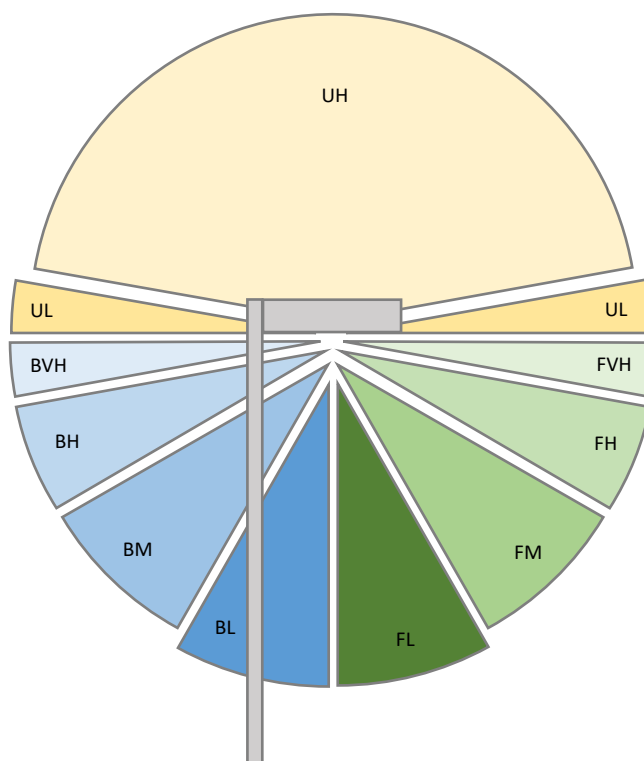




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LCS Tables and Bug Classification



Back Light

BL - Back Low (0°-30°)	655.4 Lm
BM - Back Mid (30°-60°)	1358.6 Lm
BH - Back High (60°-80°)	724.1 Lm
BVH - Back Very High (80°-90°)	58.2 Lm

Uplight

UL - Upward Low (90°-100°)	0.0 Lm
UH - Upward High (100°-180°)	0.0 Lm

Forward Light

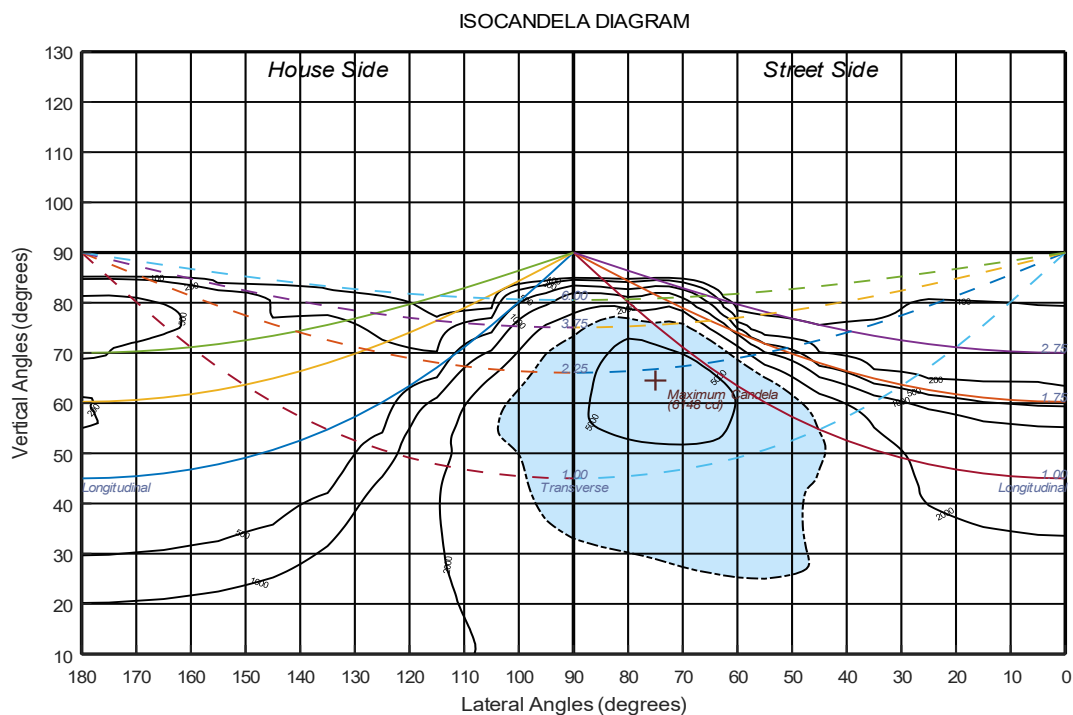
FL - Forward Low (0°-30°)	1099.5 Lm
FM - Forward Mid (30°-60°)	3413.0 Lm
FH - Forward High (60°-80°)	1783.4 Lm
FVH - Forward Very High (80°-90°)	62.6 Lm

BUG Ratings: B2 - U0 - G2



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Iso-Candela Plot



Half-max Candela Contour Line



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Luminous Intensity (Candela) Table

		Lateral (C-Plane) Angles														
		0	5	15	25	35	45	55	57.5	60	62.5	65	67.5	70	72.5	75
Vertical (Gamma) Angles - Data was acquired in 0.5° increments, 2.5° increments shown.	0	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043
	2.5	2073	2072	2073	2071	2068	2063	2060	2059	2060	2060	2059	2057	2054	2051	2049
	5	2142	2140	2137	2126	2115	2098	2085	2082	2081	2078	2075	2072	2069	2066	2062
	7.5	2267	2265	2253	2231	2200	2165	2130	2123	2119	2110	2105	2100	2095	2089	2084
	10	2425	2423	2404	2367	2321	2264	2205	2193	2182	2169	2157	2147	2139	2131	2124
	12.5	2571	2569	2549	2507	2463	2392	2311	2292	2274	2257	2241	2226	2214	2201	2191
	15	2674	2670	2658	2635	2603	2533	2445	2421	2399	2378	2355	2336	2318	2300	2286
	17.5	2723	2720	2722	2724	2717	2688	2608	2581	2552	2526	2500	2473	2448	2426	2406
	20	2674	2678	2716	2764	2808	2819	2769	2745	2726	2696	2661	2628	2597	2567	2541
	22.5	2516	2527	2585	2709	2854	2935	2936	2918	2890	2867	2836	2795	2755	2719	2687
	25	2381	2388	2441	2583	2813	3015	3074	3069	3058	3029	2999	2965	2918	2872	2834
	27.5	2333	2335	2367	2478	2724	3044	3196	3200	3197	3188	3159	3125	3085	3033	2986
	30	2274	2281	2338	2437	2648	3014	3290	3317	3326	3325	3314	3283	3249	3198	3142
	32.5	2100	2115	2223	2395	2612	2973	3354	3406	3443	3457	3453	3440	3409	3366	3308
	35	1865	1885	2025	2277	2587	2936	3396	3481	3542	3579	3590	3586	3567	3531	3476
	37.5	1690	1707	1842	2116	2527	2921	3419	3536	3626	3690	3722	3727	3718	3688	3641
	40	1560	1577	1717	1983	2441	2920	3439	3576	3696	3785	3838	3860	3857	3834	3794
	42.5	1462	1479	1629	1921	2387	2943	3478	3622	3758	3868	3944	3983	3990	3977	3942
	45	1404	1424	1574	1883	2374	3042	3601	3724	3852	3967	4055	4109	4127	4121	4093
	47.5	1340	1360	1519	1841	2341	3093	3753	3889	4023	4148	4241	4296	4311	4298	4267
	50	1268	1287	1431	1768	2289	3168	3969	4118	4259	4393	4499	4564	4591	4577	4545
	52.5	1177	1191	1300	1616	2165	3156	4239	4473	4690	4882	5035	5149	5216	5214	5163
	55	1018	1034	1124	1427	2009	3042	4270	4551	4820	5066	5282	5459	5581	5634	5645
	57.5	718	735	861	1193	1807	2904	4269	4587	4898	5189	5443	5650	5796	5882	5902
	60	428	442	525	777	1374	2529	4244	4608	4952	5278	5562	5773	5920	6015	6046
	62.5	227	240	266	380	767	1791	3901	4367	4810	5225	5571	5806	5969	6070	6113
	65	182	192	188	197	339	1042	3112	3730	4295	4826	5303	5675	5931	6080	6148
	67.5	155	160	163	166	178	487	2063	2820	3493	4138	4723	5189	5559	5837	5999
	70	129	133	140	149	154	207	1043	1772	2573	3323	4045	4581	4932	5229	5523
	72.5	135	134	124	133	137	141	345	697	1497	2273	3090	3831	4246	4388	4694
	75	134	134	136	120	116	105	135	176	465	1290	1905	2733	3413	3559	3557
	77.5	117	119	128	126	90	87	100	107	119	481	1066	1586	2358	2624	2447
	80	91	93	110	119	62	74	66	69	74	148	466	802	1337	1740	1609
	82.5	44	45	56	57	38	40	38	39	39	59	160	338	532	780	798
	85	22	22	22	20	19	18	16	15	15	18	34	53	76	94	92
	87.5	1	1	1	2	3	3	3	3	3	3	3	4	4	4	4
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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Luminous Intensity (Candela) Table

		Lateral (C-Plane) Angles														
		77.5	80	82.5	85	90	95	105	115	125	135	145	155	165	175	180
Vertical (Gamma) Angles - Data was acquired in 0.5° increments, 2.5° increments shown.	0	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043	2043
	2.5	2047	2046	2045	2043	2041	2040	2035	2027	2022	2015	2007	2002	1995	1991	1991
	5	2059	2058	2055	2051	2047	2043	2028	2007	1983	1958	1933	1914	1896	1886	1886
	7.5	2079	2077	2072	2067	2061	2052	2023	1979	1930	1878	1827	1788	1760	1743	1743
	10	2117	2111	2106	2098	2089	2073	2023	1950	1864	1781	1708	1651	1603	1581	1579
	12.5	2182	2173	2165	2156	2141	2117	2036	1921	1794	1680	1571	1501	1456	1434	1432
	15	2273	2262	2252	2241	2216	2184	2068	1897	1726	1568	1455	1370	1310	1282	1280
	17.5	2389	2376	2363	2350	2316	2272	2115	1887	1653	1478	1333	1238	1178	1147	1143
	20	2520	2502	2487	2471	2431	2372	2170	1889	1607	1383	1227	1122	1051	1014	1010
	22.5	2660	2635	2616	2598	2551	2477	2231	1890	1568	1303	1123	998	913	870	864
	25	2800	2771	2748	2728	2670	2581	2294	1904	1535	1229	1012	859	769	724	718
	27.5	2948	2915	2887	2864	2797	2692	2361	1923	1506	1152	885	721	632	590	585
	30	3097	3060	3028	2998	2922	2799	2419	1931	1479	1061	754	594	525	493	489
	32.5	3253	3208	3170	3135	3049	2906	2470	1943	1446	958	627	500	446	421	419
	35	3415	3359	3314	3273	3174	3009	2519	1953	1401	844	528	428	390	373	370
	37.5	3577	3512	3458	3412	3290	3103	2564	1964	1339	726	443	371	346	337	336
	40	3736	3670	3606	3547	3402	3187	2599	1965	1260	605	373	334	325	320	319
	42.5	3890	3820	3749	3678	3504	3259	2620	1953	1154	479	329	314	307	297	294
	45	4040	3966	3884	3799	3597	3321	2631	1916	1020	376	306	297	284	268	264
	47.5	4212	4127	4030	3931	3702	3386	2637	1843	858	310	294	287	271	248	242
	50	4484	4386	4271	4150	3881	3510	2672	1751	704	290	291	277	262	236	230
	52.5	5069	4926	4763	4588	4225	3774	2852	1703	580	291	292	268	252	221	213
	55	5591	5458	5266	5046	4591	4042	2947	1534	464	292	288	252	226	206	200
	57.5	5846	5711	5505	5256	4687	4064	2885	1365	384	295	287	235	214	206	194
	60	5988	5825	5572	5270	4613	3957	2725	1136	307	298	285	228	219	210	194
	62.5	6067	5886	5596	5244	4502	3784	2420	809	261	300	277	219	215	236	231
	65	6116	5923	5601	5200	4348	3584	2032	513	246	298	264	216	258	318	324
	67.5	6016	5827	5479	5048	4101	3360	1569	308	235	293	254	217	358	438	447
	70	5676	5543	5199	4749	3721	3052	1092	206	220	280	241	249	458	500	510
	72.5	5021	5099	4777	4307	3247	2641	698	164	201	260	227	283	468	553	570
	75	3868	4140	4049	3615	2680	2142	396	129	181	235	210	309	579	692	700
	77.5	2444	2723	2935	2728	2094	1527	161	96	161	201	196	368	558	667	665
	80	1415	1422	1696	1733	1507	892	75	71	133	156	194	319	490	597	591
	82.5	636	558	637	744	801	371	39	50	77	103	158	199	316	385	382
	85	75	65	71	80	91	45	15	19	26	32	28	80	116	137	134
	87.5	4	4	5	5	5	6	6	5	5	5	4	3	3	2	2
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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Luminous Intensity (Candela) Table

		Lateral (C-Plane) Angles														
	0	5	15	25	35	45	55	57.5	60	62.5	65	67.5	70	72.5	75	
Vertical (Gamma) Angles - Data was acquired in 0.5° increments, 2.5° increments shown.	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92.5	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
	97.5	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
	102.5	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
	107.5	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
	112.5	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
	117.5	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
	122.5	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
	127.5	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
	132.5	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
	137.5	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
	142.5	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
	147.5	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
	152.5	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
	157.5	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
	162.5	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
	167.5	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
	172.5	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
	177.5	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



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Luminous Intensity (Candela) Table

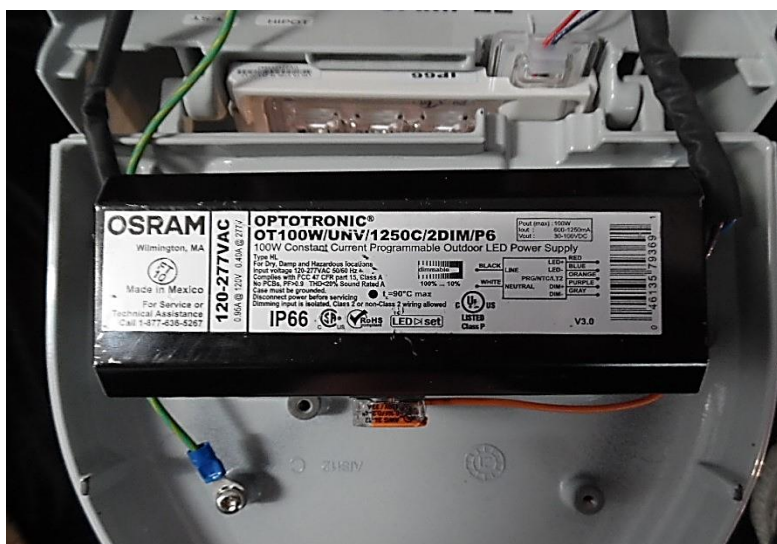
		Lateral (C-Plane) Angles														
		77.5	80	82.5	85	90	95	105	115	125	135	145	155	165	175	180
Vertical (Gamma) Angles - Data was acquired in 0.5° increments, 2.5° increments shown.	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	97.5	0	0	0	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
	102.5	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
	107.5	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
	112.5	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
	117.5	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
	122.5	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
	127.5	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
	132.5	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
	137.5	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
	142.5	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
	147.5	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
	152.5	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
	157.5	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
	162.5	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
	167.5	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
	172.5	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
	177.5	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



Report of Test

LLIA001821-014A

Additional Pictures of Test Subject



Report of Test

LLIA001821-014A

Test Distance 9.5 m
Ambient Temperature 25.5 °C

Notes

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Tested in accordance with the applicable sections of publications: IES LM-79-19. Format of reports and angular increments based on IES LM-31-20 and LM-10-20.

The luminous intensity values, and other derived quantities, contained in this report are based on absolute data.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections.

Photometric intensity values are reported using the IES C-Type spherical coordinate system as defined in IES LM-75-19.

This report may contain data that are not covered by the NVLAP accreditation. Quantities marked with ‡ are not covered.

This report must not be used by the customer to claim product certification, approval or endorsement by NVLAP, NIST, or any agency of the Federal Government.

The device under test emits no detectable uplight, as defined by ANSI/IES LM-31-20. For the purpose of this report, certain non-zero uplight readings, attributable to instrument artifacts, have been assigned a zero value.



Report of Test

LLIA001821-014B

Integrating Sphere Report

Catalog Number: L6-16S-5-X-2ES-6-X-XX-4-XX-X-X-X

Pole/arm mounted, gray painted cast aluminum housing and driver compartment cover, one circuit board, one clear plastic lens with optic below each LED, open bottom.

16 white LEDs

Osram OT100W/UNV/1250C/2DIM/P6 LED driver at 1200mA, Littlefuse LSP10277SBX3472 surge suppressor



Performance Summary

Voltage	120.0 Vac
Current	0.5524 A
Power	65.73 W
Frequency	59.99 Hz
Power Factor	0.992
Current THD	2.7 %
Total Luminous Flux	9156.1 lm
Efficacy	139.3 lm/W
Chromaticity (x,y)	(0.3861, 0.3890)
(u',v')	(0.2240, 0.5077)
Duv	0.0040
CCT	3941 K
CRI (Ra)	70
R9	-46
TM-30: Rf	71
TM-30: Rg	93
TM-30: Rcs,h1	-19

Prepared For:

LED Roadway Lighting

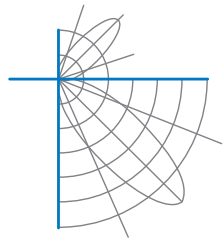
84 Chain Lake Drive

Suite 403

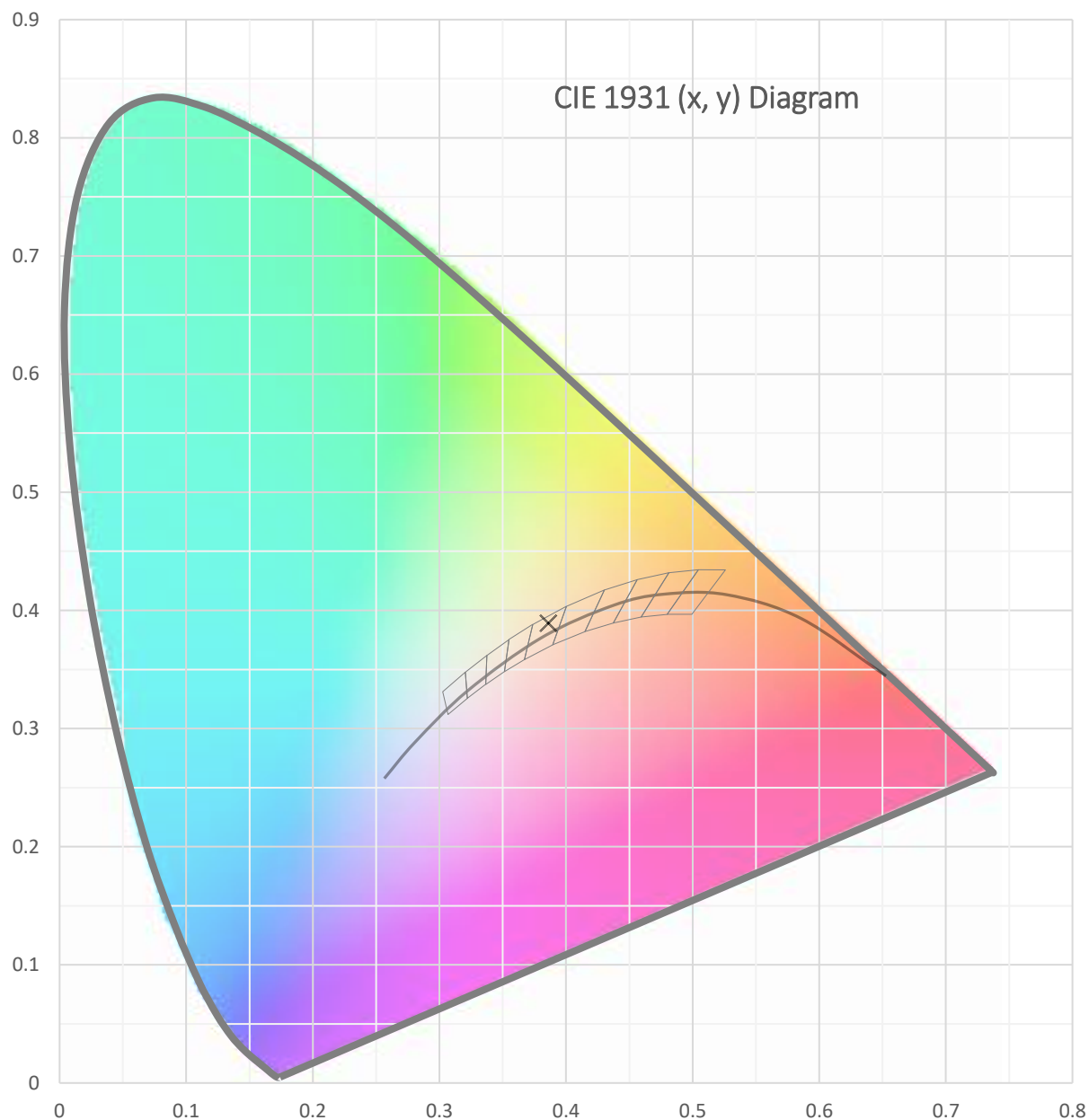
Halifax, Nova Scotia B3S 1A2, Canada

Test date: 08/04/2022

Report date: 08/04/2022

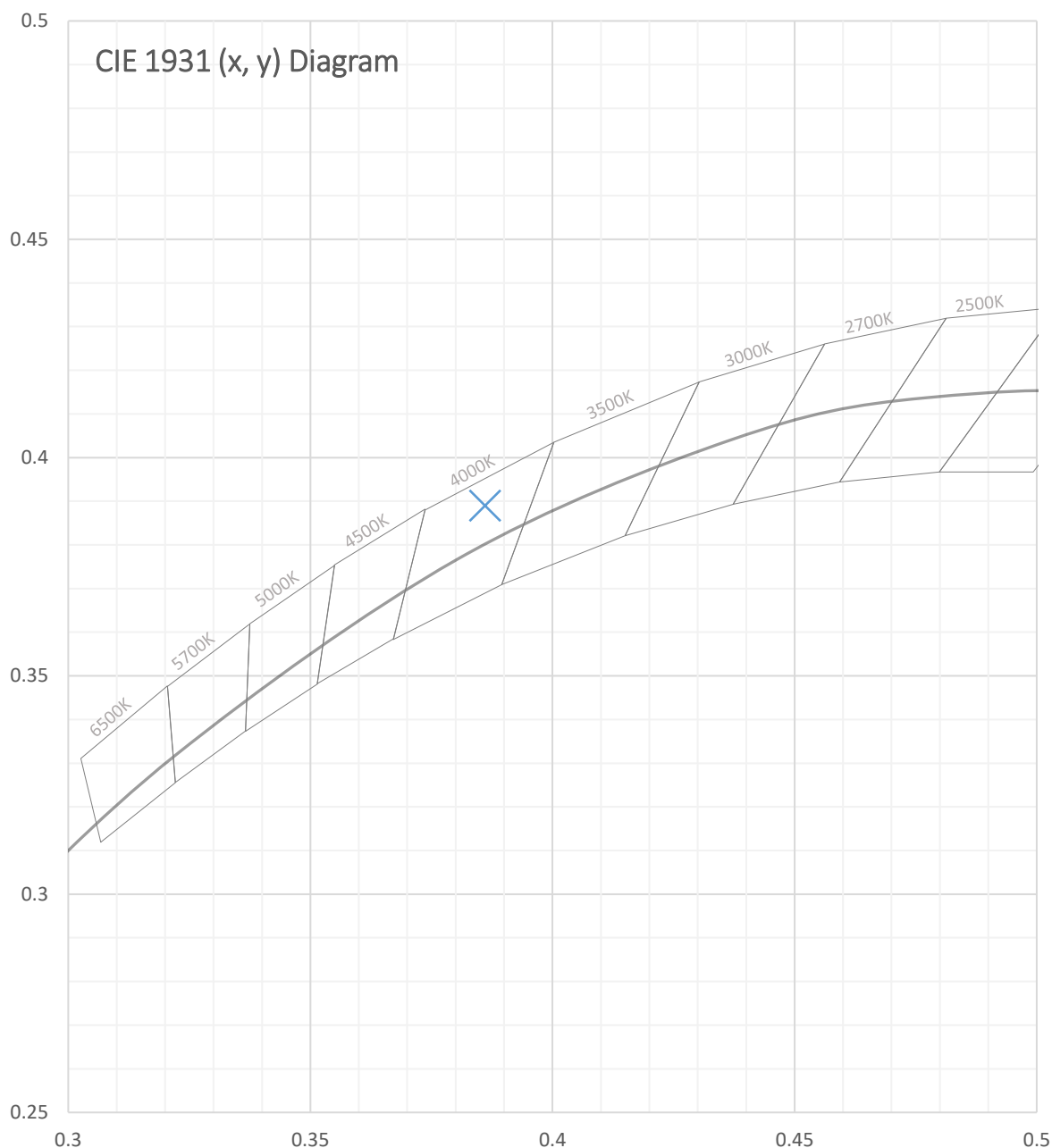


Test Report Number: LLIA001821-014B





Test Report Number: LLIA001821-014B





Test Report Number: LLIA001821-014B

Total Radiant Flux	25.90 W
Total Luminous Flux	9156.1 Lm
Chromaticity CIE 1931 (x, y)	(0.3861, 0.3890)
Chromaticity CIE 1976 (u', v')	(0.2240, 0.5077)
Correlated Color Temperature (CCT)	3941 K
Color Rendering Index (Ra)	70
R1	66
R2	77
R3	88
R4	69
R5	66
R6	69
R7	79
R8	46
R9	-46
R10	48
R11	66
R12	46
R13	67
R14	93
TM-30: Rf	71
TM-30: Rg	93
TM-30: Rcs,h1	-19
Distance from Planckian Locus (Duv)	0.0040
Scotopic/Photopic Ratio $\frac{V(\lambda)}{V_m(\lambda)}$	1.489

Electrical Data

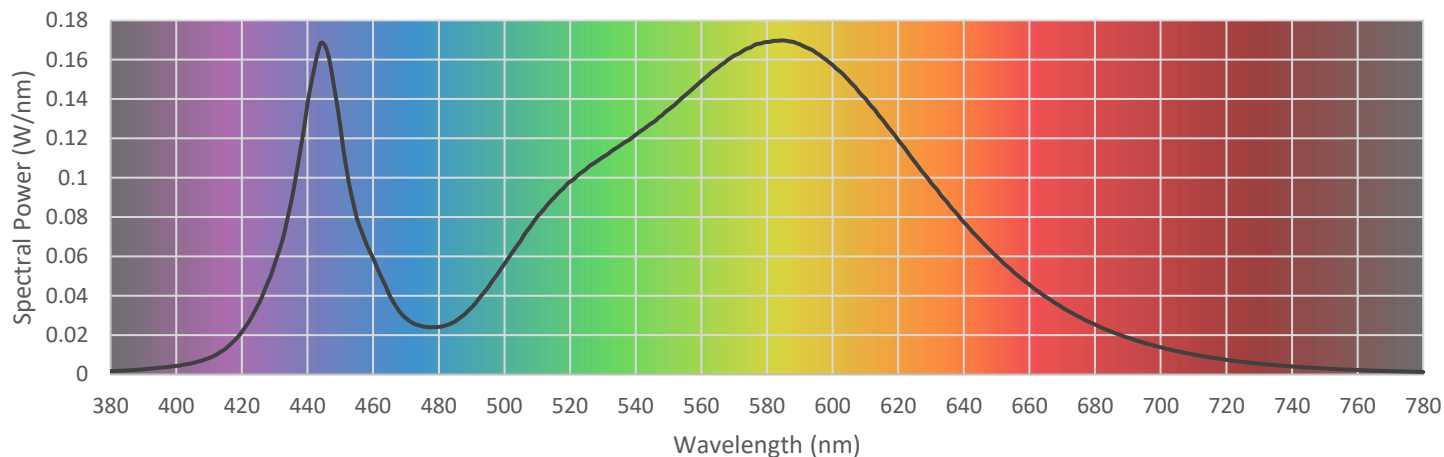
Voltage	120.0 Vac
Current	0.5524 A
Power	65.73 W
Frequency	59.99 Hz
Power Factor	0.992
Current THD	2.7 %



Test Report Number: LLIA001821-014B

Summary Spectral Power Distribution (wavelength - nm, spectral power - W/nm)

380	0.001700	480	0.024172	580	0.169026	680	0.025358
385	0.002066	485	0.027003	585	0.169796	685	0.021798
390	0.002609	490	0.034117	590	0.167809	690	0.018723
395	0.003471	495	0.044215	595	0.163489	695	0.016056
400	0.004352	500	0.056175	600	0.157368	700	0.013817
405	0.005799	505	0.068059	605	0.149411	705	0.011828
410	0.008337	510	0.080116	610	0.140279	710	0.010147
415	0.013061	515	0.089647	615	0.130004	715	0.008700
420	0.021678	520	0.098019	620	0.119164	720	0.007455
425	0.035636	525	0.104541	625	0.108213	725	0.006397
430	0.056252	530	0.110467	630	0.097399	730	0.005514
435	0.087692	535	0.116075	635	0.087408	735	0.004716
440	0.137784	540	0.121865	640	0.077360	740	0.004059
445	0.167901	545	0.127867	645	0.068400	745	0.003511
450	0.125813	550	0.134611	650	0.060000	750	0.003031
455	0.079649	555	0.141805	655	0.052295	755	0.002601
460	0.059059	560	0.149153	660	0.045671	760	0.002270
465	0.040260	565	0.155882	665	0.039454	765	0.001959
470	0.028597	570	0.162050	670	0.034068	770	0.001698
475	0.024432	575	0.166199	675	0.029426	775	0.001473
						780	0.001287





Test Report Number: LLIA001821-014B

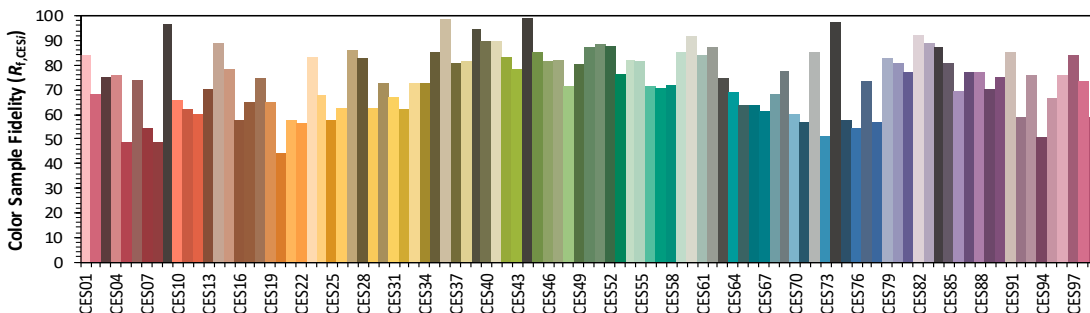
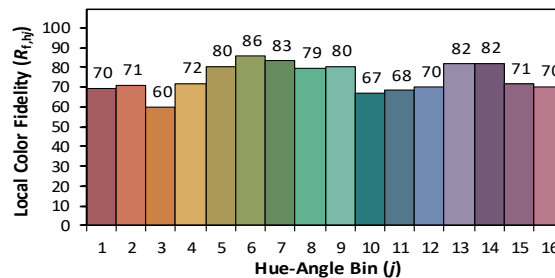
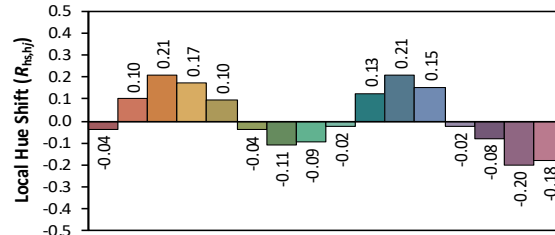
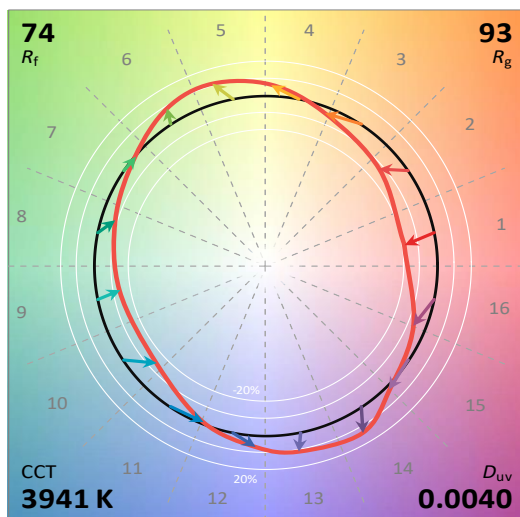
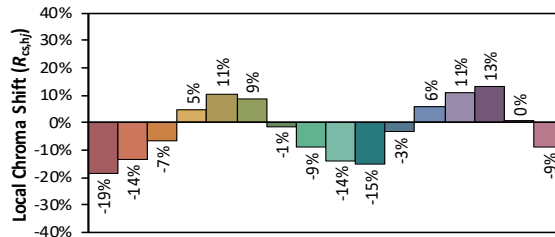
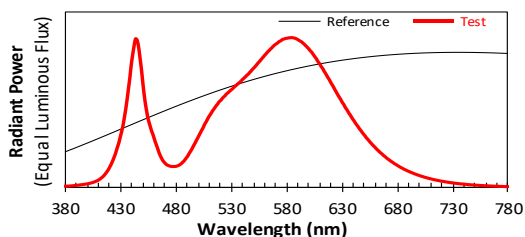
IES TM-30 Details

Source: LLIA001821-014B

Manufacturer: LED Roadway Lighting

Date: 8/4/2022

Model: L6-16S-5-X-2ES-6-X-XX-4-XX-X-X-X



Notes:

x 0.3861
y 0.3889
u' 0.2240
v' 0.5076

CIE 13.3-1995
(CRI)
 R_a 70
 R_g -46

Test Report Number: LLIA001821-014B

Test Equipment Configuration: LightLab International Allentown 2m Integrating Sphere
Measurements acquired using a Labsphere CDS 2600 spectroradiometer
Testing was performed using 4π geometry

Test Temperature: 25.1 °C

Test Procedure: Tested in accordance with the applicable sections of:
LM-79-19, LM-78-20, LM-58-20, ANSI/ANSI C78.377-2017, TM-30-20

Significance: The laboratory has not participated in the selection of samples to be tested.
All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units.

Notes: The measurements and other derived quantities contained in this report are based on the absolute data as measured.

Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results.

This report is free of erasures and corrections

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Sphere Report Template V2-18



Report of Test

LLIA001821-014C

Electrical Test Report

Catalog Number: L6-16S-5-X-2ES-6-X-XX-4-XX-X-X-X

Pole/arm mounted, gray painted cast aluminum housing and driver compartment cover, one circuit board, one clear plastic lens with optic below each LED, open bottom.

16 white LEDs

Osram OT100W/UNV/1250C/2DIM/P6 LED driver at 1200mA, Littlefuse LSP10277SBX3472 surge suppressor



Performance Summary

Voltage	277.0 Vac
Current	0.2511 A
Power	65.28 W
Frequency	60.00 Hz
Power Factor	0.938
Current THD	5.0 %

Ambient Temperature: 25.6 °C

Prepared For:

LED Roadway Lighting

84 Chain Lake Drive

Suite 403

Halifax, Nova Scotia B3S 1A2, Canada

Tested in accordance with the applicable sections of IES LM-79-19. The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units. Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results. This report is free of erasures and corrections. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

Test date: 08/04/2002

Report date: 08/04/2022

Electrical Report Template V1-4