



## Report of Test

**LLIA001821-001A**

Roadway/Area Light Distribution Photometry Test Report

Catalog Number: L6-16S-5-X-2ES-1-X-XX-3-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 OT50W/UNV/800C/2DIMLT2/P6 LED driver set at 350mA, Littlefuse LSP10277SBX3472 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	2899.3 Lumens
Input Current	0.1700 A	Total Efficacy	146.6 Lm/W
Input Power	19.78 W		
Frequency	60.00 Hz	Roadway Throw	Short
Power Factor	0.969	Roadway Type	Type II
Current THD	8.9 %	IES BUG Rating	B1 - U0 - G1

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

Test date: 07/26/2022

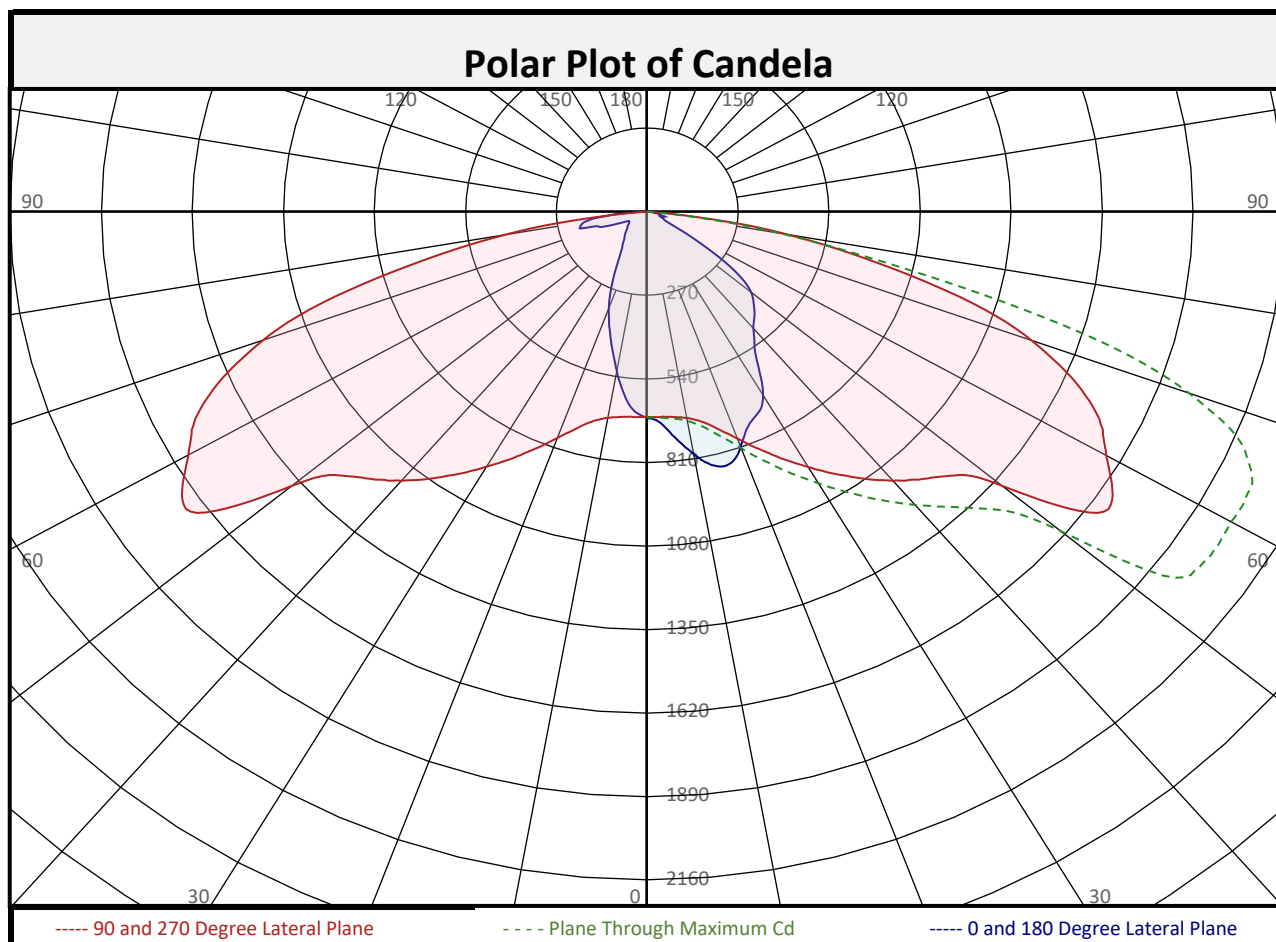
Report date: 08/01/2022

Signed: \_\_\_\_\_



## Report of Test

### LLIA001821-001A

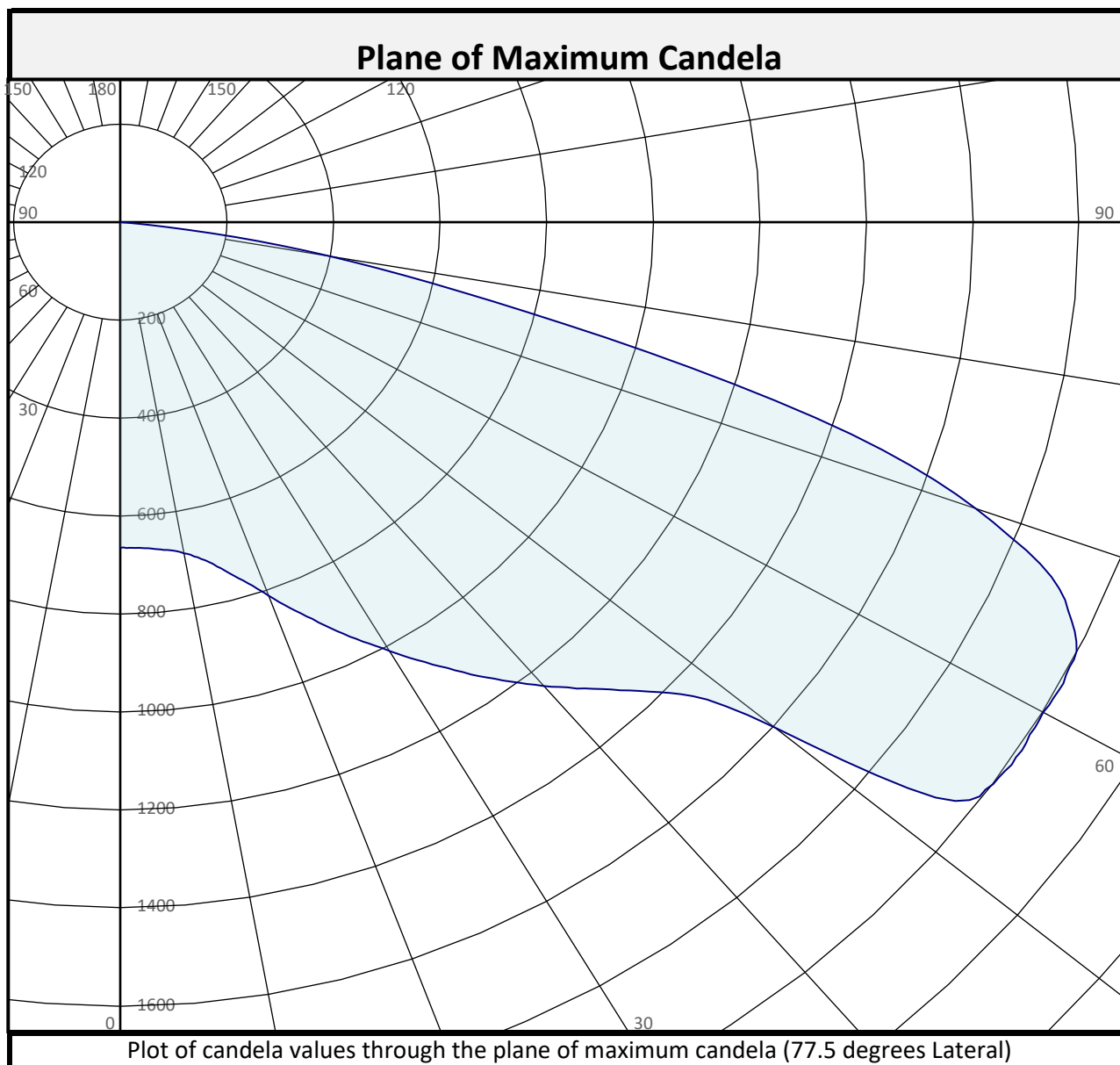


Zonal Flux Summary										
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total
0-10	63.6	2.2%		90-100	0.0	0.0%		0-20	253.9	8.8%
10-20	190.3	6.6%		100-110	0.0	0.0%		0-30	562.5	19.4%
20-30	308.6	10.6%		110-120	0.0	0.0%		0-40	973.5	33.6%
30-40	411.0	14.2%		120-130	0.0	0.0%		0-60	2128	73.4%
40-50	517.1	17.8%		130-140	0.0	0.0%		0-80	2865	98.8%
50-60	637.3	22.0%		140-150	0.0	0.0%		10-90	2836	97.8%
60-70	487.9	16.8%		150-160	0.0	0.0%		20-50	1237	42.7%
70-80	249.2	8.6%		160-170	0.0	0.0%		40-90	1926	66.4%
80-90	34.3	1.2%		170-180	0.0	0.0%		60-90	771.4	26.6%
0-90	2899	100.0%		90-180	0.0	0.0%		0-180	2899	100.0%



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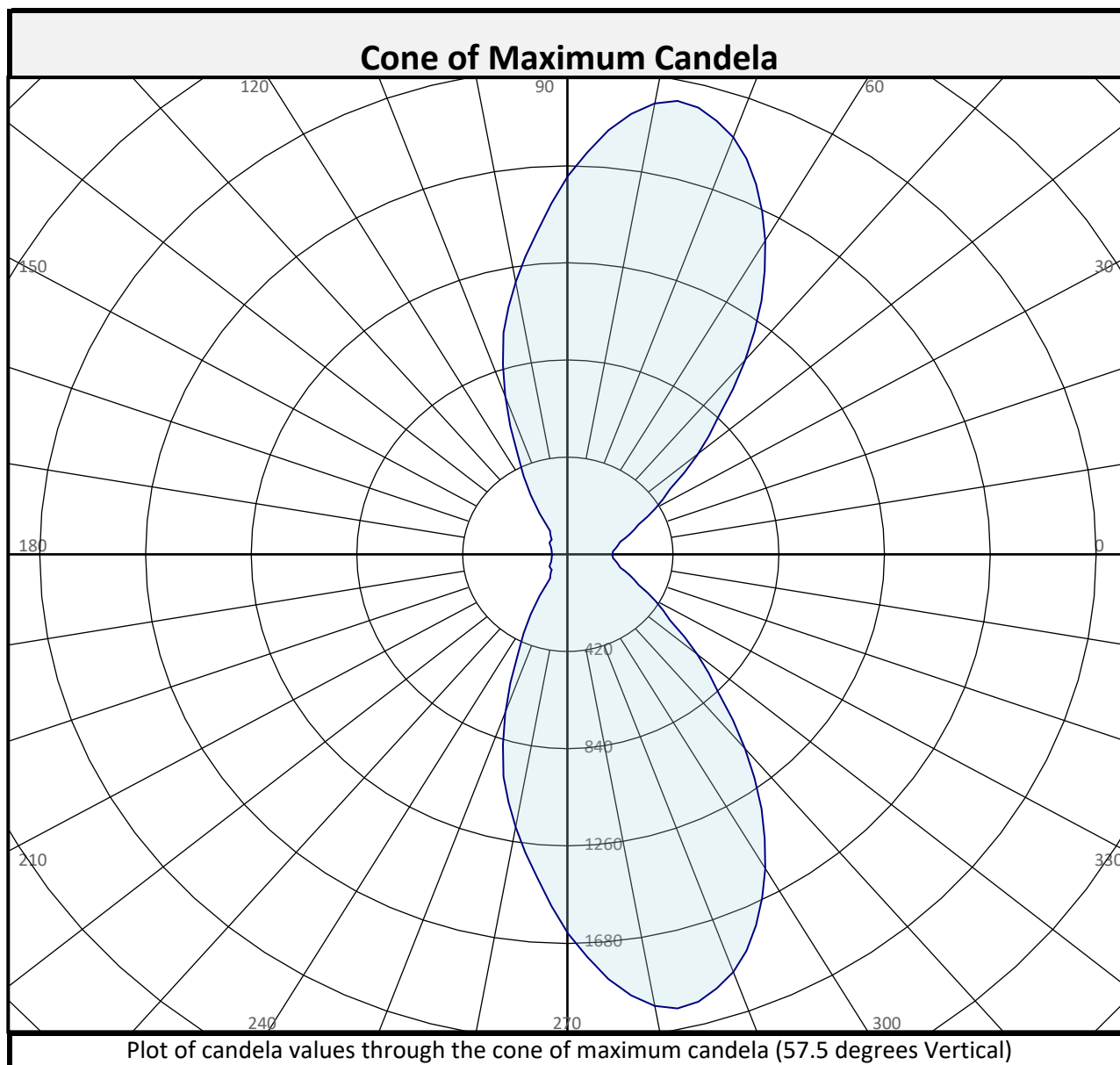


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	1980.9	68.3%	0.0	0.0%	1980.9	68.3%
House Side	918.4	31.7%	0.0	0.0%	918.4	31.7%
Total	2899.3	100.0%	0.0	0.0%	2899.3	100.0%



## Report of Test

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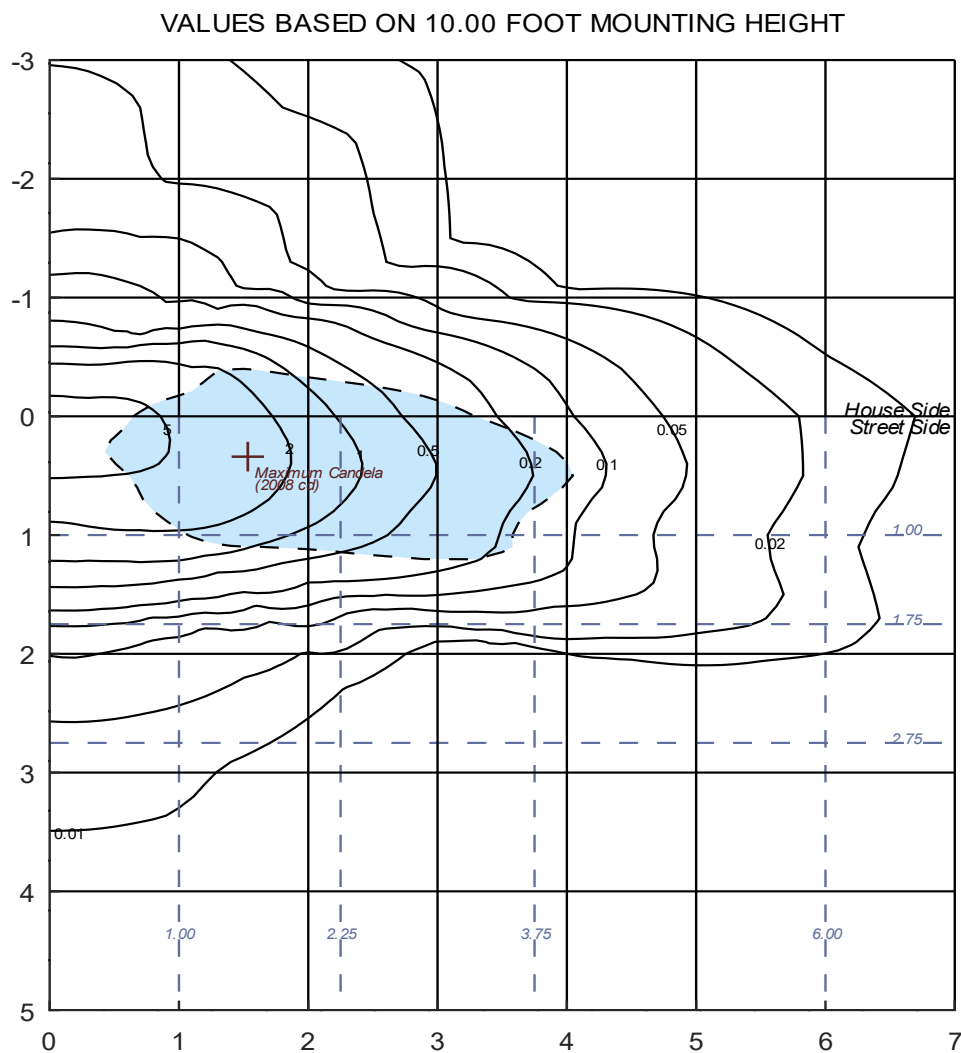


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	1980.9	68.3%	0.0	0.0%	1980.9	68.3%
House Side	918.4	31.7%	0.0	0.0%	918.4	31.7%
Total	2899.3	100.0%	0.0	0.0%	2899.3	100.0%



## Report of Test LLIA001821-001A

### Iso-Illuminance Plot



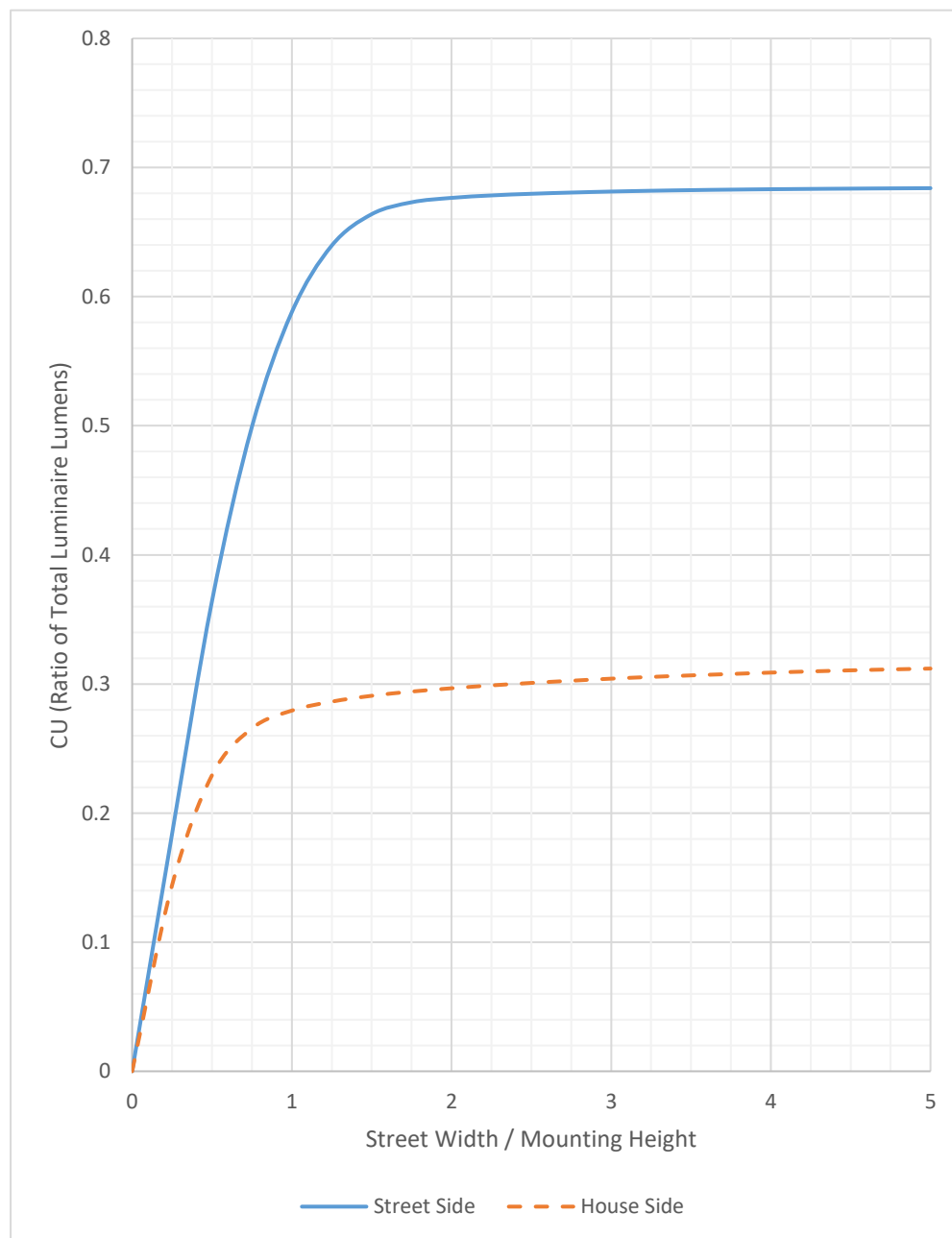
The isofootcandle values shown in the plot above are based on a mounting height of  $h = 10.0$  feet. Grid values show multiples of mounting height. The isoilluminance contour lines are expressed in units of footcandles. The values expressed are based on the direct light from a single unit without the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



## Report of Test

### LLIA001821-001A

#### Coefficients of Utilization Plot

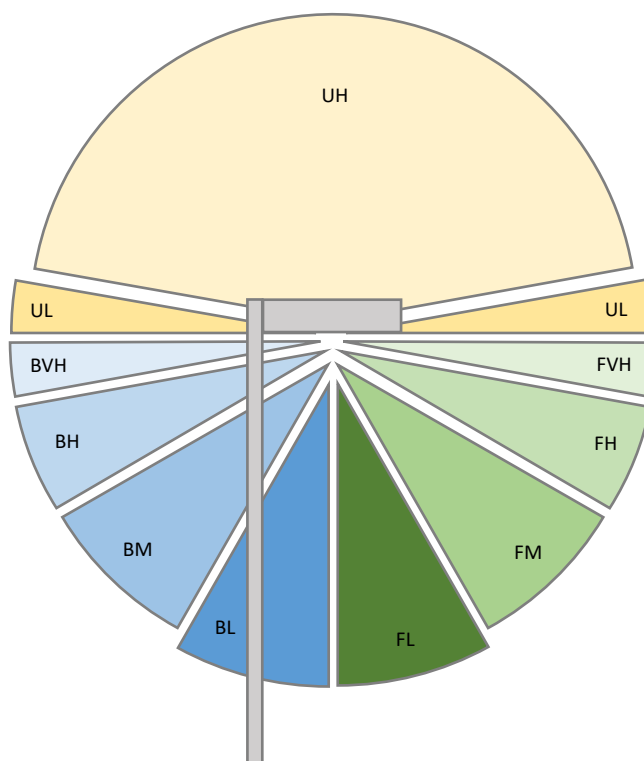




## Report of Test

### LLIA001821-001A

#### LCS Tables and Bug Classification



#### Back Light

BL - Back Low (0°-30°)	213.2 Lm
BM - Back Mid (30°-60°)	458.3 Lm
BH - Back High (60°-80°)	227.4 Lm
BVH - Back Very High (80°-90°)	19.6 Lm

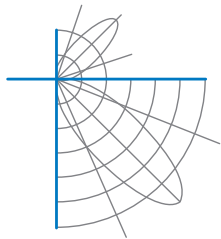
#### Uplight

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

#### Forward Light

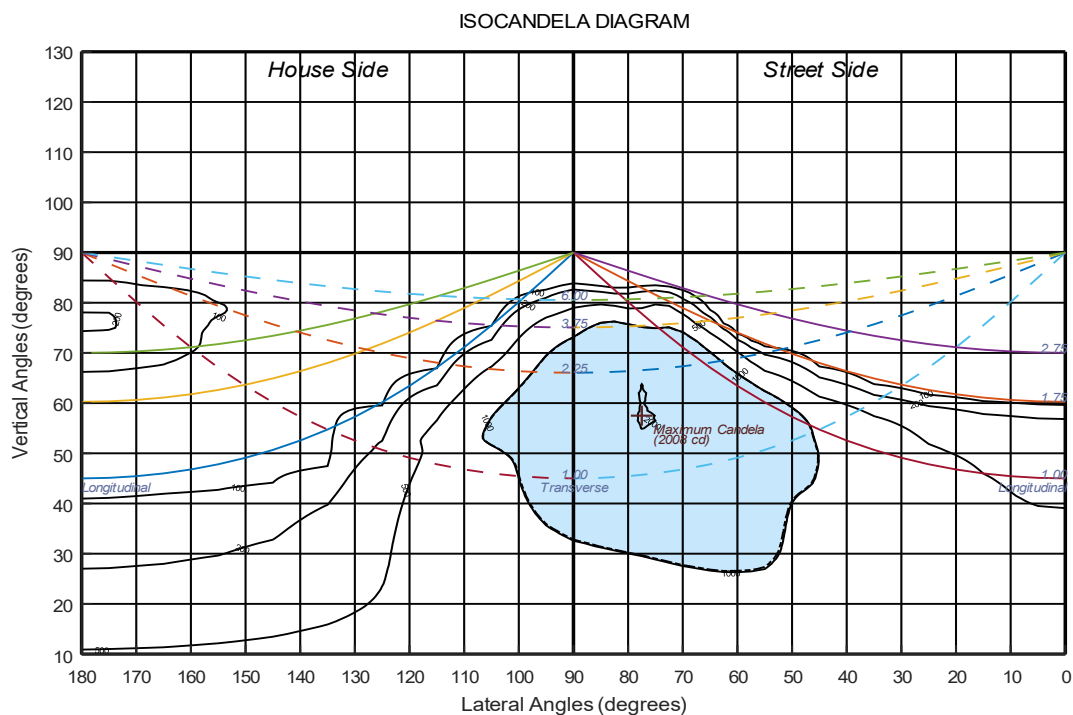
FL - Forward Low (0°-30°)	349.4 Lm
FM - Forward Mid (30°-60°)	1107.1 Lm
FH - Forward High (60°-80°)	509.7 Lm
FVH - Forward Very High (80°-90°)	14.7 Lm


BUG Ratings: B1 - U0 - G1



## Report of Test LLIA001821-001A

### 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	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665
	2.5	675	676	676	675	674	672	670	669	669	669	669	668	669	669	668
	5	707	708	705	701	693	688	680	678	677	677	674	674	673	672	672
	7.5	751	751	747	741	730	716	699	695	691	689	685	683	681	680	677
	10	795	794	789	778	766	748	728	723	716	711	706	700	697	693	689
	12.5	832	832	828	820	804	785	760	754	747	740	733	726	720	715	709
	15	852	852	852	849	841	823	799	792	785	779	770	761	753	746	739
	17.5	845	847	854	861	868	866	842	835	829	822	813	805	795	787	776
	20	809	811	826	852	880	897	892	885	879	872	863	853	844	834	821
	22.5	765	767	784	819	876	922	936	935	930	923	914	904	895	884	871
	25	740	740	752	787	851	933	976	979	978	975	967	957	946	935	923
	27.5	723	723	736	766	829	930	1005	1013	1020	1021	1017	1008	999	987	972
	30	685	689	714	754	814	920	1029	1046	1058	1063	1065	1060	1052	1040	1025
	32.5	620	627	665	730	808	913	1044	1068	1089	1103	1109	1110	1107	1095	1080
	35	558	564	607	688	795	907	1056	1091	1121	1143	1154	1159	1160	1152	1138
	37.5	521	525	565	645	776	908	1067	1107	1146	1176	1197	1206	1211	1208	1195
	40	489	494	540	622	761	915	1083	1128	1171	1208	1237	1252	1260	1261	1251
	42.5	468	475	523	623	772	953	1118	1159	1203	1242	1275	1298	1309	1313	1305
	45	448	456	509	610	764	984	1191	1232	1273	1307	1337	1354	1368	1370	1366
	47.5	426	432	482	587	748	995	1243	1294	1342	1383	1420	1446	1457	1457	1446
	50	399	405	443	542	711	993	1337	1405	1469	1525	1577	1612	1633	1637	1627
	52.5	351	355	387	485	667	967	1374	1476	1582	1680	1773	1850	1906	1940	1954
	55	273	279	317	419	612	936	1354	1464	1571	1671	1768	1850	1923	1970	1994
	57.5	175	180	214	309	494	846	1340	1453	1567	1670	1767	1852	1919	1965	2000
	60	89	92	114	170	309	631	1231	1372	1507	1637	1750	1839	1906	1953	1989
	62.5	60	63	65	77	153	386	990	1170	1340	1506	1660	1787	1882	1942	1983
	65	54	56	54	54	67	207	677	898	1097	1288	1476	1645	1781	1879	1946
	67.5	45	46	47	49	50	94	386	586	823	1041	1259	1448	1591	1711	1819
	70	39	40	41	43	45	54	176	296	524	775	1025	1247	1391	1471	1581
	72.5	55	53	44	39	40	40	62	99	213	459	702	986	1215	1279	1305
	75	43	43	43	39	33	30	38	41	55	173	389	602	879	1014	991
	77.5	36	36	37	38	24	25	28	29	31	43	172	304	536	721	702
	80	22	22	26	31	17	20	17	18	19	23	59	154	259	425	464
	82.5	11	11	11	15	10	10	10	10	10	11	22	53	101	161	192
	85	6	6	6	5	5	4	4	4	4	4	5	8	11	15	16
	87.5	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	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	665	665	665	665	665	665	665	665	665	665	665	665	665	665	665
	2.5	666	665	665	666	665	664	663	661	659	657	655	655	653	652	651
	5	669	669	669	668	665	664	660	657	649	643	636	631	625	622	622
	7.5	675	674	673	672	670	665	659	649	634	619	603	591	580	575	574
	10	687	684	682	680	676	670	659	639	612	586	562	542	530	521	520
	12.5	705	700	697	695	690	682	663	628	587	551	517	492	476	469	467
	15	732	727	723	721	711	701	669	619	562	513	474	448	431	421	420
	17.5	767	761	756	752	743	729	683	613	538	479	436	406	388	377	376
	20	811	803	796	791	778	761	699	611	518	449	401	366	345	334	332
	22.5	859	848	840	833	820	797	720	612	504	422	366	328	301	288	285
	25	909	898	888	880	861	834	741	615	493	396	331	283	253	239	237
	27.5	959	947	935	925	906	873	765	619	484	372	290	237	208	193	191
	30	1011	999	986	975	951	911	786	625	476	344	247	194	171	160	158
	32.5	1065	1051	1037	1025	998	952	809	629	467	311	205	162	145	138	136
	35	1122	1109	1093	1077	1043	991	830	636	454	275	171	140	130	123	123
	37.5	1180	1164	1147	1129	1090	1028	850	643	437	235	144	123	114	111	110
	40	1237	1222	1202	1181	1135	1063	863	647	411	196	123	109	105	103	103
	42.5	1292	1276	1257	1233	1174	1092	873	646	379	155	107	101	98	95	95
	45	1353	1337	1313	1283	1213	1120	880	639	336	122	98	94	91	86	86
	47.5	1427	1404	1375	1339	1259	1148	888	619	284	100	92	90	86	80	78
	50	1607	1580	1538	1488	1377	1239	920	597	234	91	89	87	83	77	75
	52.5	1931	1873	1804	1727	1573	1401	1053	628	200	91	90	84	79	72	69
	55	2001	1976	1921	1848	1674	1466	1057	550	161	91	90	79	72	66	64
	57.5	2008	1980	1921	1841	1638	1402	993	469	125	92	90	74	68	65	62
	60	2002	1976	1909	1814	1575	1329	902	364	96	94	90	72	71	69	62
	62.5	2003	1974	1899	1792	1527	1256	786	243	81	96	88	69	68	73	70
	65	1978	1954	1867	1746	1451	1184	645	147	76	95	84	67	77	88	88
	67.5	1893	1886	1796	1660	1345	1094	485	91	73	94	81	68	98	113	115
	70	1710	1769	1701	1555	1215	976	326	63	69	92	77	75	123	143	147
	72.5	1439	1552	1532	1379	1052	842	204	50	64	86	73	82	138	154	157
	75	1026	1145	1215	1132	832	664	113	40	57	79	68	83	158	205	208
	77.5	652	686	797	803	616	462	49	30	50	68	64	101	168	202	202
	80	398	368	415	456	422	263	23	22	42	54	57	101	153	187	187
	82.5	172	140	138	167	213	107	12	15	26	38	48	74	120	147	145
	85	14	12	13	16	25	14	4	6	9	12	16	27	56	85	82
	87.5	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2
	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0



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LLIA001821-001A

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

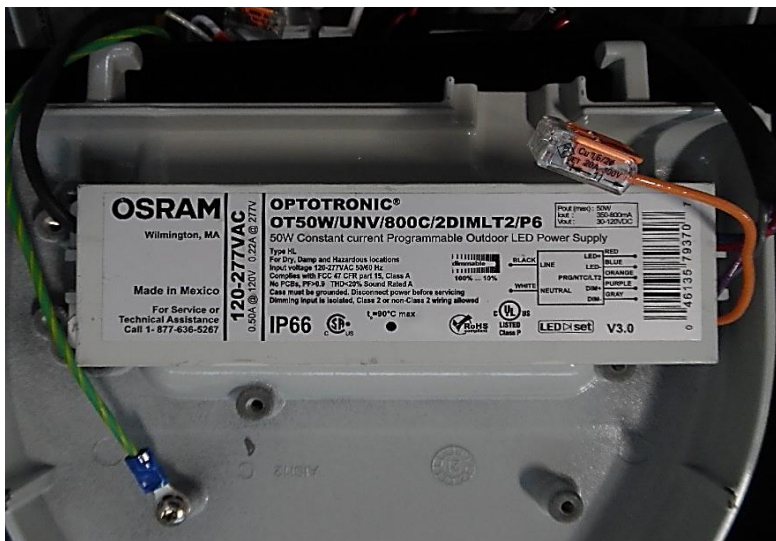
		Lateral (C-Plane) Angles														
		77.5	80	82.5	85	90	95	105	115	125	135	145	155	165	175	180
Vertical (Gamma) Angles - Data was acquired in 0.5° increments, 2.5° increments shown.	90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	92.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	97.5	0	0	0	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

### LLIA001821-001A

### Additional Pictures of Test Subject



## Report of Test

### LLIA001821-001A

Test Distance                      9.5 m  
Ambient Temperature          24.6 °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

**LLIA001821-001B**

Integrating Sphere Report

Catalog Number: L6-16S-5-X-2ES-1-X-XX-3-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 OT50W/UNV/800C/2DIMLT2/P6 LED driver set at 350mA, Littlefuse LSP10277SBX3472 suppressor.



### Performance Summary

Voltage	120.0 Vac
Current	0.1724 A
Power	19.74 W
Frequency	59.99 Hz
Power Factor	0.954
Current THD	9.1 %
Total Luminous Flux	2906.5 lm
Efficacy	147.2 lm/W
Chromaticity (x,y)	(0.4390, 0.4102)
(u',v')	(0.2493, 0.5241)
Duv	0.0021
CCT	3014 K
CRI (Ra)	71
R9	-43
TM-30: Rf	72
TM-30: Rg	93
TM-30: Rcs,h1	-18

Prepared For:

LED Roadway Lighting

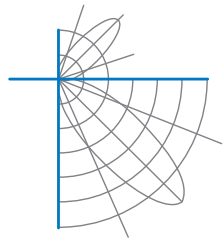
84 Chain Lake Drive

Suite 403

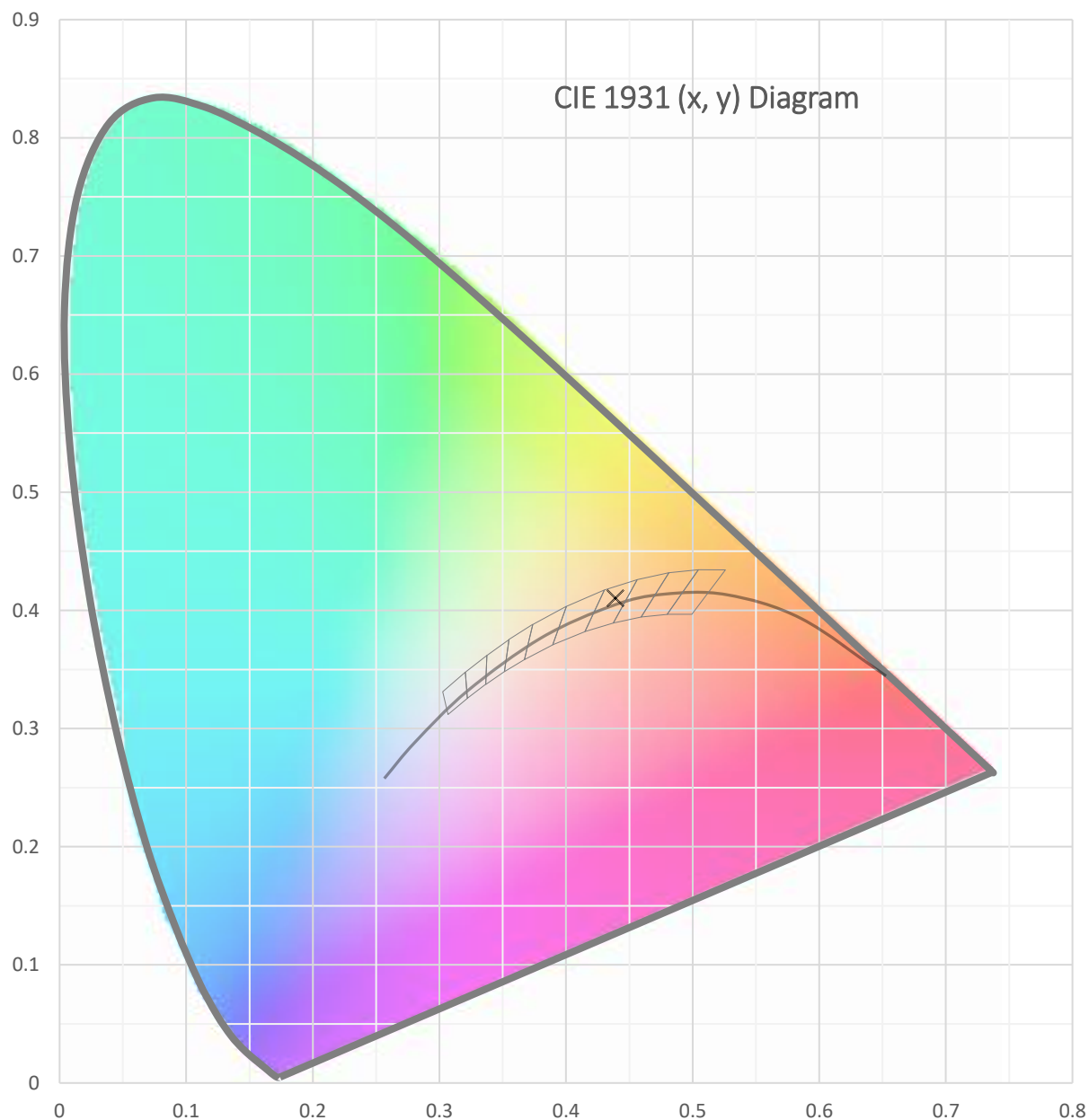
Halifax, Nova Scotia B3S 1A2, Canada

Test date: 07/29/2022

Report date: 08/01/2022



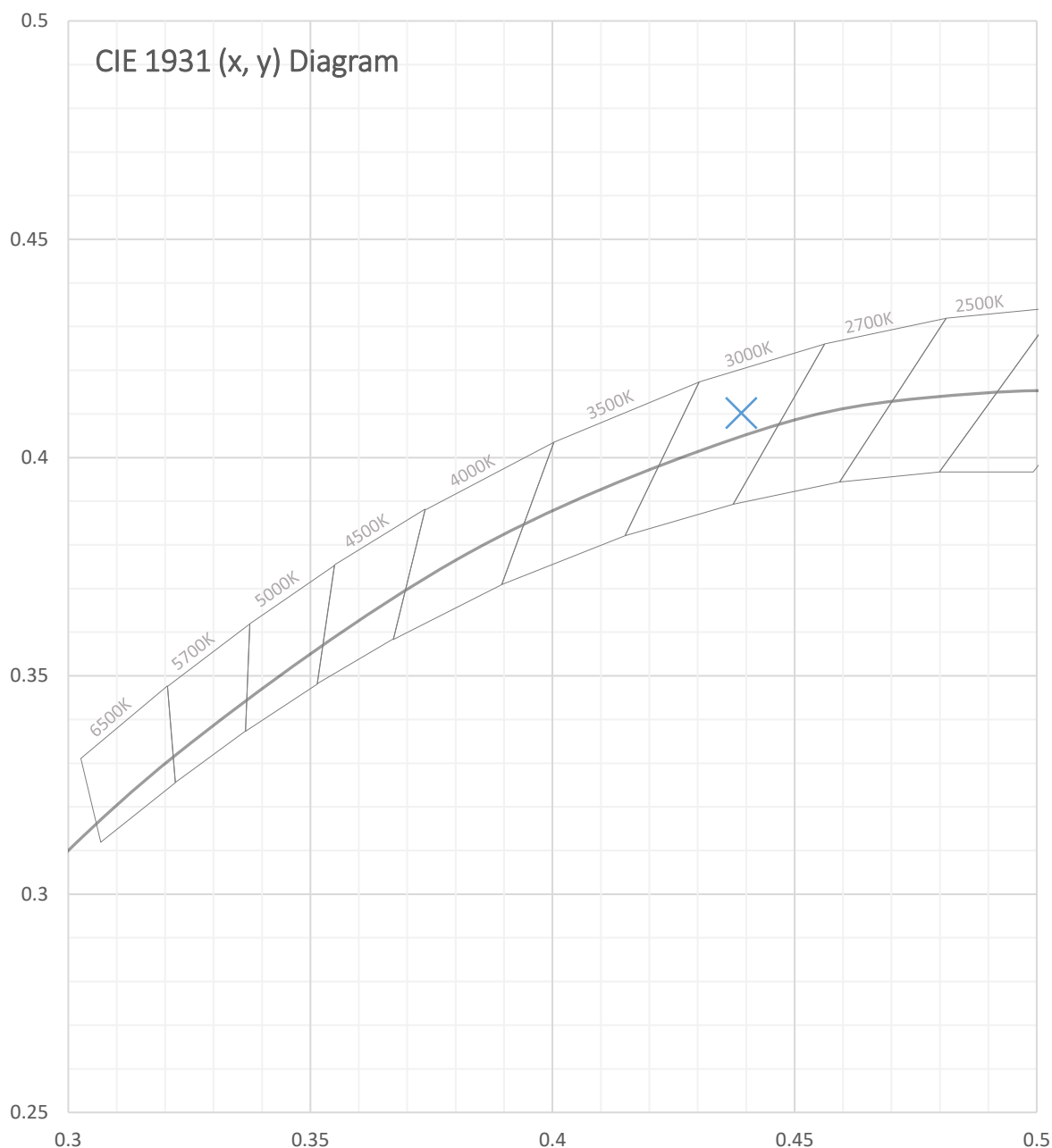
Test Report Number: LLIA001821-001B







Test Report Number: LLIA001821-001B





**Test Report Number: LLIA001821-001B**

Total Radiant Flux	8.113 W
Total Luminous Flux	2906.5 Lm
Chromaticity CIE 1931 (x, y)	(0.4390, 0.4102)
Chromaticity CIE 1976 (u', v')	(0.2493, 0.5241)
Correlated Color Temperature (CCT)	3014 K
Color Rendering Index (Ra)	71
R1	66
R2	81
R3	95
R4	67
R5	66
R6	75
R7	76
R8	39
R9	-43
R10	59
R11	63
R12	53
R13	69
R14	97
TM-30: Rf	72
TM-30: Rg	93
TM-30: Rcs,h1	-18
Distance from Planckian Locus (Duv)	0.0021
Scotopic/Photopic Ratio $\frac{V_{\lambda}}{V_{\lambda}^p}$	1.210

**Electrical Data**

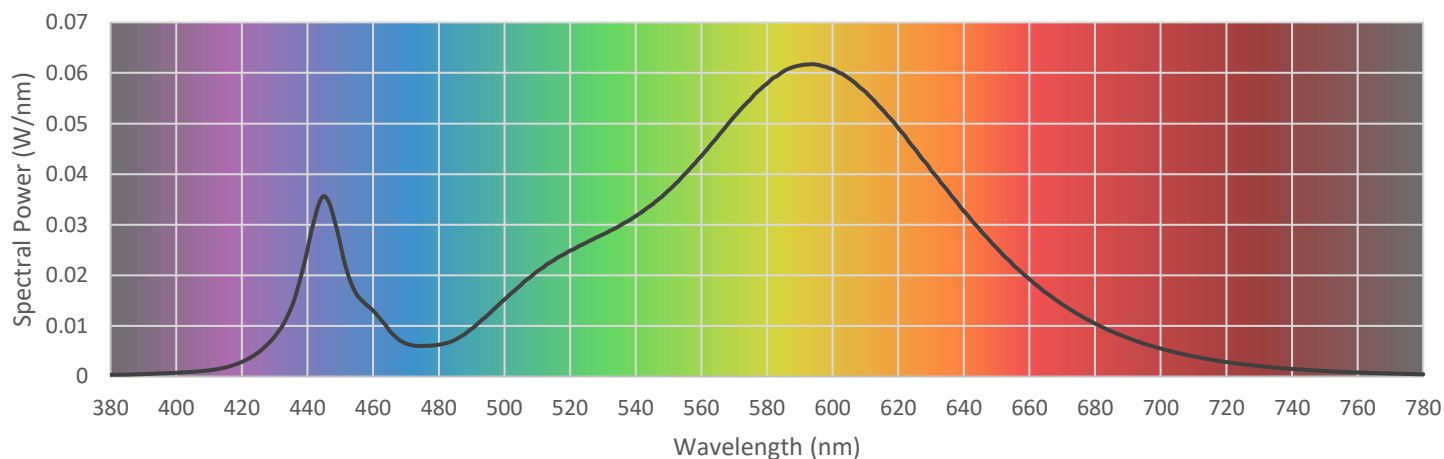
Voltage	120.0 Vac
Current	0.1724 A
Power	19.74 W
Frequency	59.99 Hz
Power Factor	0.954
Current THD	9.1 %

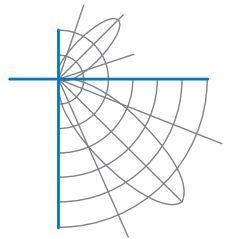


Test Report Number: LLIA001821-001B

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

380	0.000329	480	0.006277	580	0.057870	680	0.010457
385	0.000366	485	0.007254	585	0.060295	685	0.008933
390	0.000461	490	0.009419	590	0.061473	690	0.007625
395	0.000608	495	0.012190	595	0.061635	695	0.006468
400	0.000736	500	0.015201	600	0.060743	700	0.005521
405	0.000915	505	0.018050	605	0.058942	705	0.004675
410	0.001213	510	0.020782	610	0.056286	710	0.003975
415	0.001773	515	0.022954	615	0.052895	715	0.003371
420	0.002891	520	0.024857	620	0.049107	720	0.002852
425	0.004755	525	0.026463	625	0.045047	725	0.002420
430	0.007916	530	0.028078	630	0.040772	730	0.002063
435	0.013551	535	0.029743	635	0.036810	735	0.001743
440	0.025192	540	0.031708	640	0.032686	740	0.001487
445	0.035640	545	0.033957	645	0.028943	745	0.001273
450	0.026154	550	0.036774	650	0.025418	750	0.001086
455	0.016179	555	0.040016	655	0.022076	755	0.000925
460	0.012995	560	0.043571	660	0.019252	760	0.000794
465	0.009035	565	0.047409	665	0.016563	765	0.000678
470	0.006508	570	0.051352	670	0.014261	770	0.000585
475	0.006031	575	0.054774	675	0.012234	775	0.000501
						780	0.000434





## Test Report Number: LLIA001821-001B

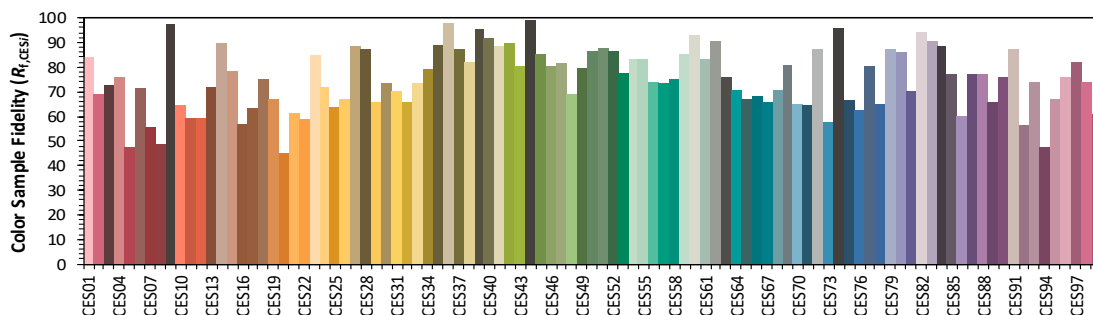
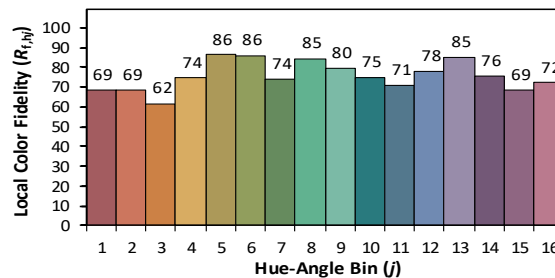
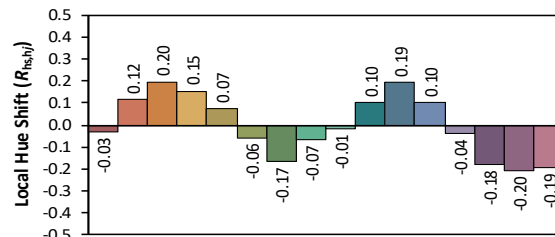
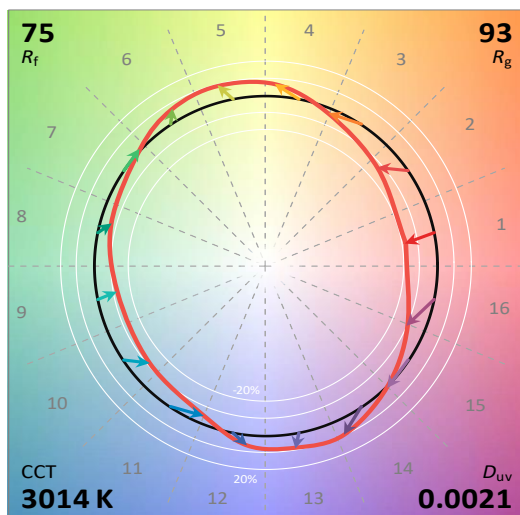
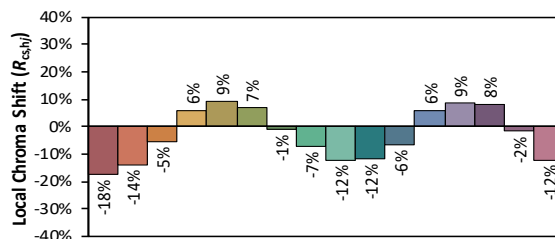
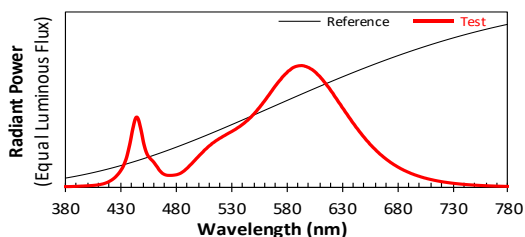
### IES TM-30 Details

Source: LLIA001821-001B

Manufacturer: LED Roadway Lighting

Date: 8/1/2022

Model: L6-16S-5-X-2ES-1-X-XX-3-XX-X-X-X



#### Notes:

x 0.4390  
y 0.4101  
u' 0.2493  
v' 0.5240

CIE 13.3-1995  
(CRI)  
 $R_a$  71  
 $R_g$  -44

## Test Report Number: LLIA001821-001B

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

**Test Temperature:** 25.4 °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

**LLIA001821-001C**

### Electrical Test Report

Catalog Number: L6-16S-5-X-2ES-1-X-XX-3-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 OT50W/UNV/800C/2DIMLT2/P6 LED driver set at 350mA, Littlefuse LSP10277SBX3472 suppressor.



### Performance Summary

Voltage	277.0 Vac
Current	0.0895 A
Power	20.11 W
Frequency	60.00 Hz
Power Factor	0.812
Current THD	19.3 %

Ambient Temperature: 24.7 °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: 07/26/2022

Report date: 08/01/2022

Electrical Report Template V1-4