



Report of Test

LLIA001594-001A

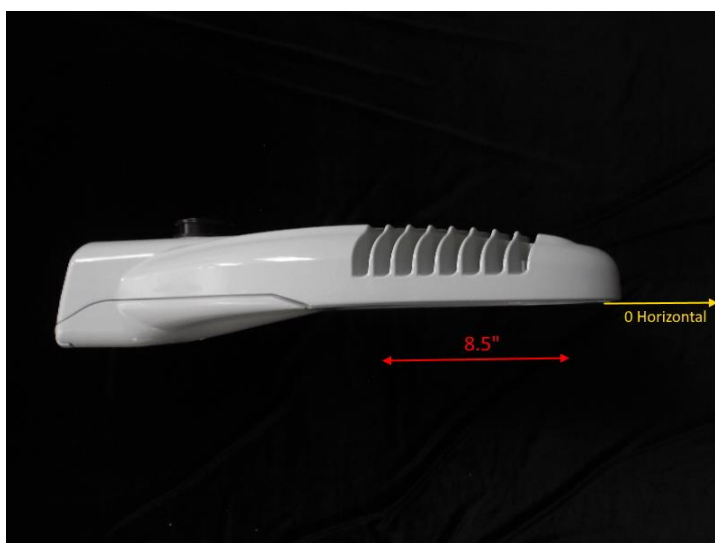
Roadway/Area Light Distribution Photometry Test Report

Catalog Number: NXT-36S-5-X-2ES-7-XX-4-XX-X-XX-X

Pole/arm mounted, grey painted cast aluminum housing and door/driver compartment cover, one circuit board, one clear plastic lens with optic below each LED and clear flat glass enclosure.

36 white LEDs

Osram Optotronic OT100W/UNV/800C/2DIM/P6 LED driver at 700mA, WH91-5U1-03 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 V	Luminous Flux	9261.6 Lumens
Input Current	0.6937 A	Total Efficacy	114.5 Lm/W
Input Power	80.92 W		
Frequency	60.00 Hz	Roadway Throw	Medium
Power Factor	0.972	Roadway Type	Type II
Current THD	2.0 %	IES BUG Rating	B2 - U0 - G2

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

Test date: 11/22/2021

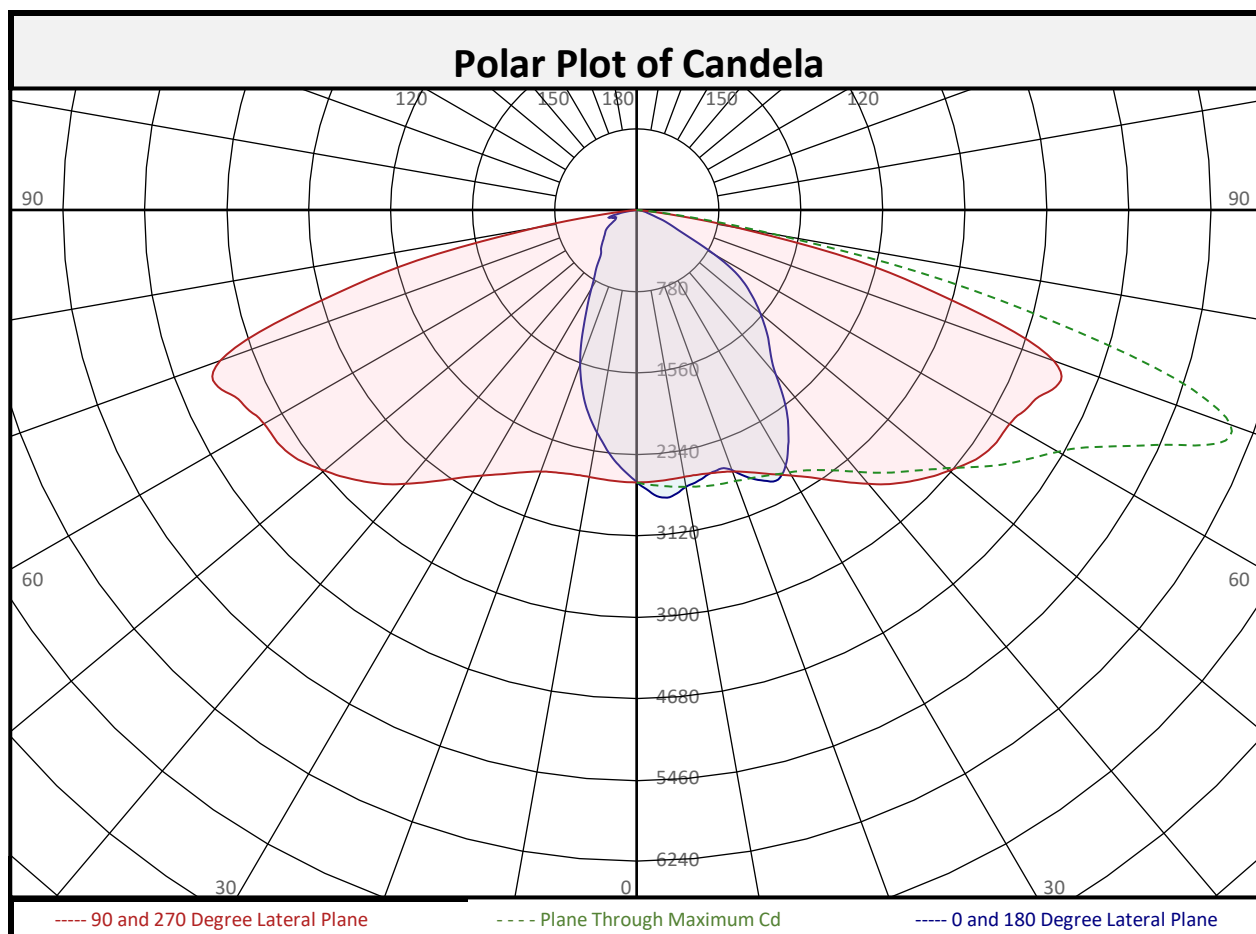
Report date: 11/22/2021

Signed: _____



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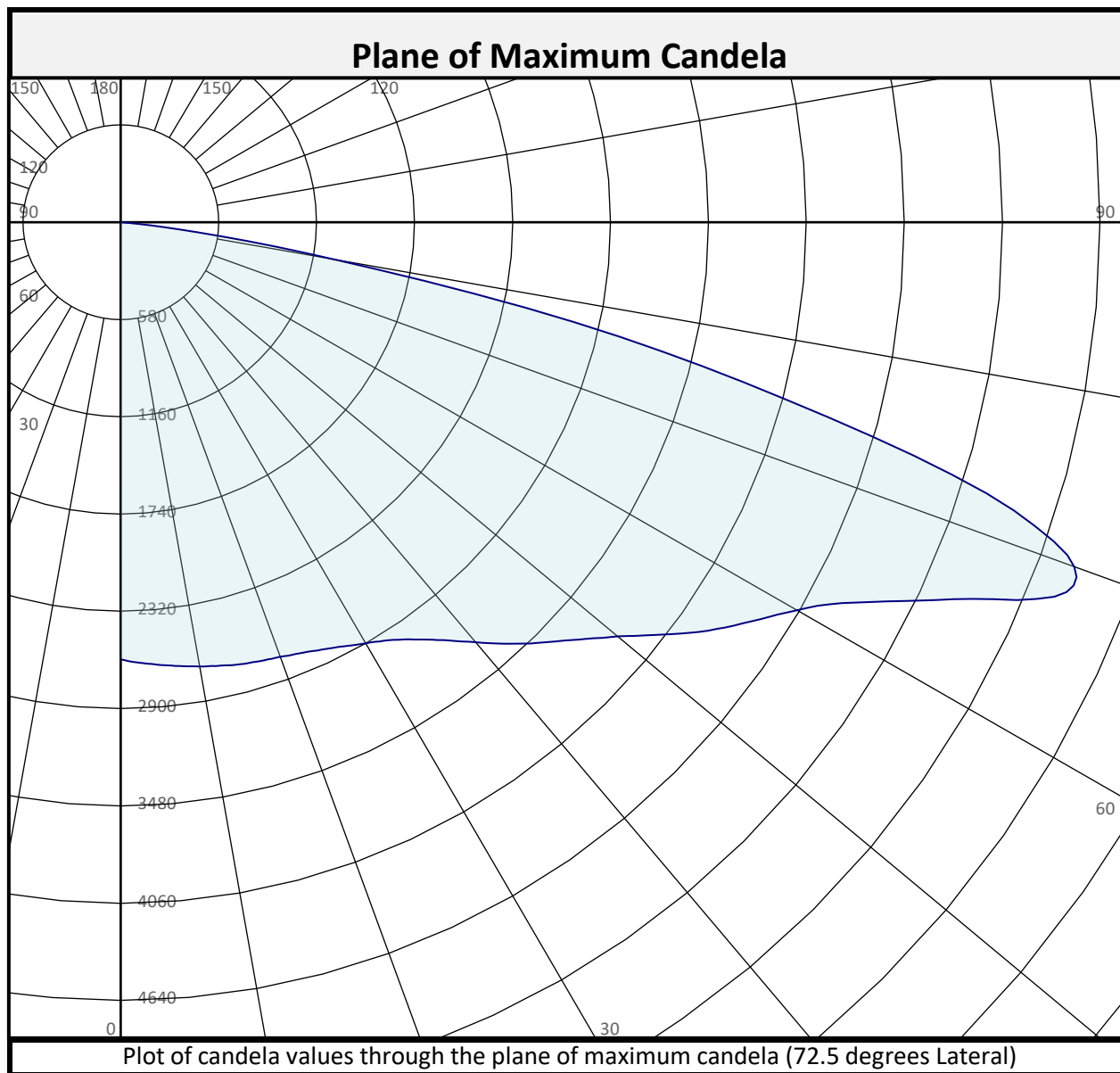


Zonal Flux Summary										
Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total		Zone (Deg Vert)	Flux (Lumens)	Percent of Total
0-10	245.3	2.6%		90-100	0.0	0.0%		0-20	929.9	10.0%
10-20	684.6	7.4%		100-110	0.0	0.0%		0-30	1993	21.5%
20-30	1064	11.5%		110-120	0.0	0.0%		0-40	3374	36.4%
30-40	1380	14.9%		120-130	0.0	0.0%		0-60	6706	72.4%
40-50	1602	17.3%		130-140	0.0	0.0%		0-80	9198	99.3%
50-60	1731	18.7%		140-150	0.0	0.0%		10-90	9016	97.3%
60-70	1626	17.6%		150-160	0.0	0.0%		20-50	4045	43.7%
70-80	866.0	9.4%		160-170	0.0	0.0%		40-90	5888	63.6%
80-90	64.1	0.7%		170-180	0.0	0.0%		60-90	2556	27.6%
0-90	9262	100.0%		90-180	0.0	0.0%		0-180	9262	100.0%



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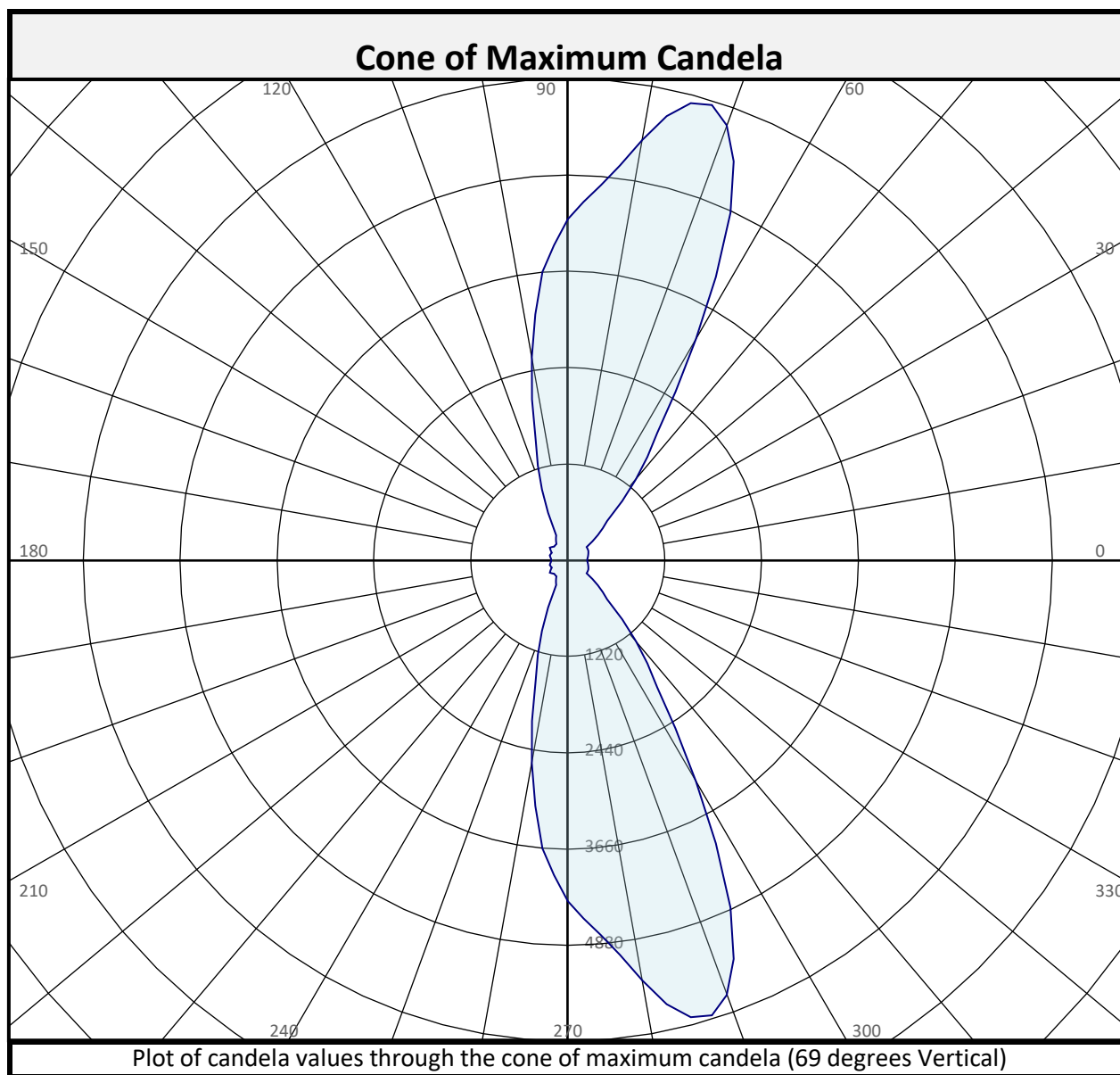


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	6147.2	66.4%	0.0	0.0%	6147.2	66.4%
House Side	3114.4	33.6%	0.0	0.0%	3114.4	33.6%
Total	9261.6	100.0%	0.0	0.0%	9261.6	100.0%



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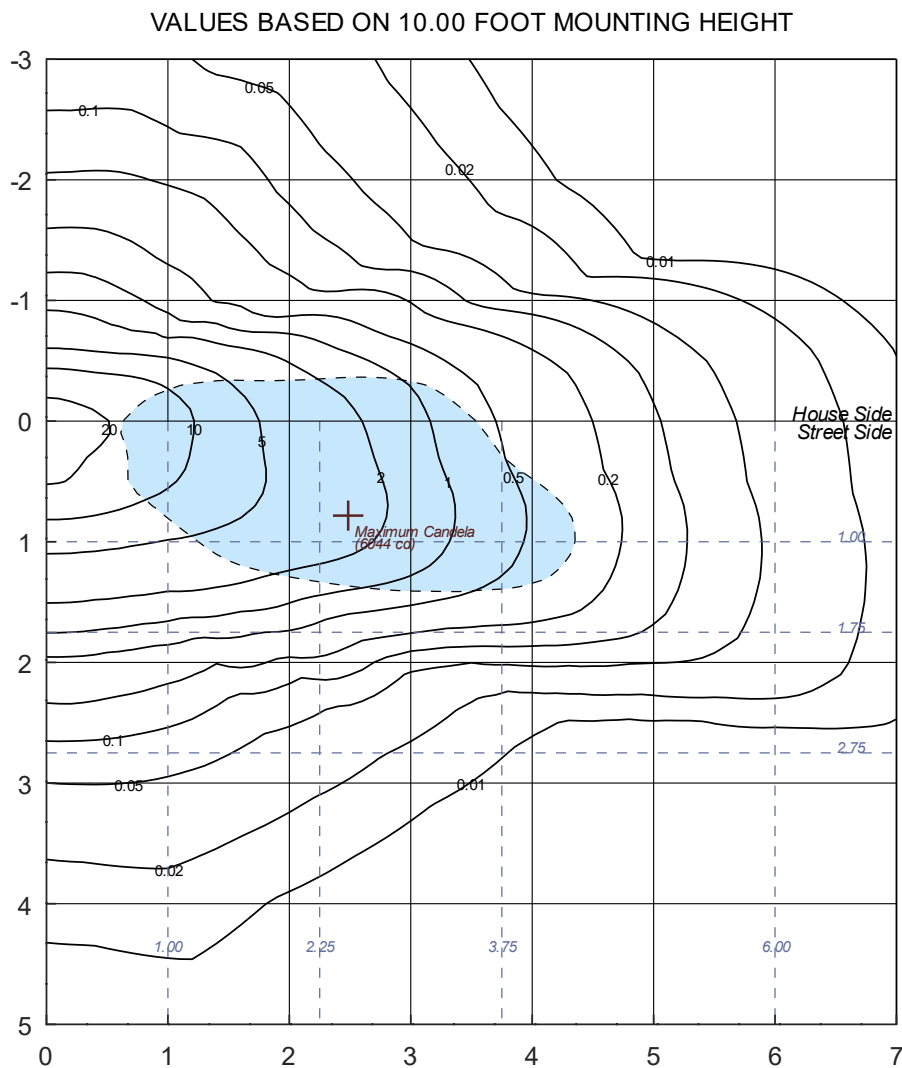


Street and House Side Flux Summary						
	Downward		Upward		Total	
	Lumens	% of Total	Lumens	% of Total	Lumens	% of Total
Street Side	6147.2	66.4%	0.0	0.0%	6147.2	66.4%
House Side	3114.4	33.6%	0.0	0.0%	3114.4	33.6%
Total	9261.6	100.0%	0.0	0.0%	9261.6	100.0%



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Iso-Illuminance Plot



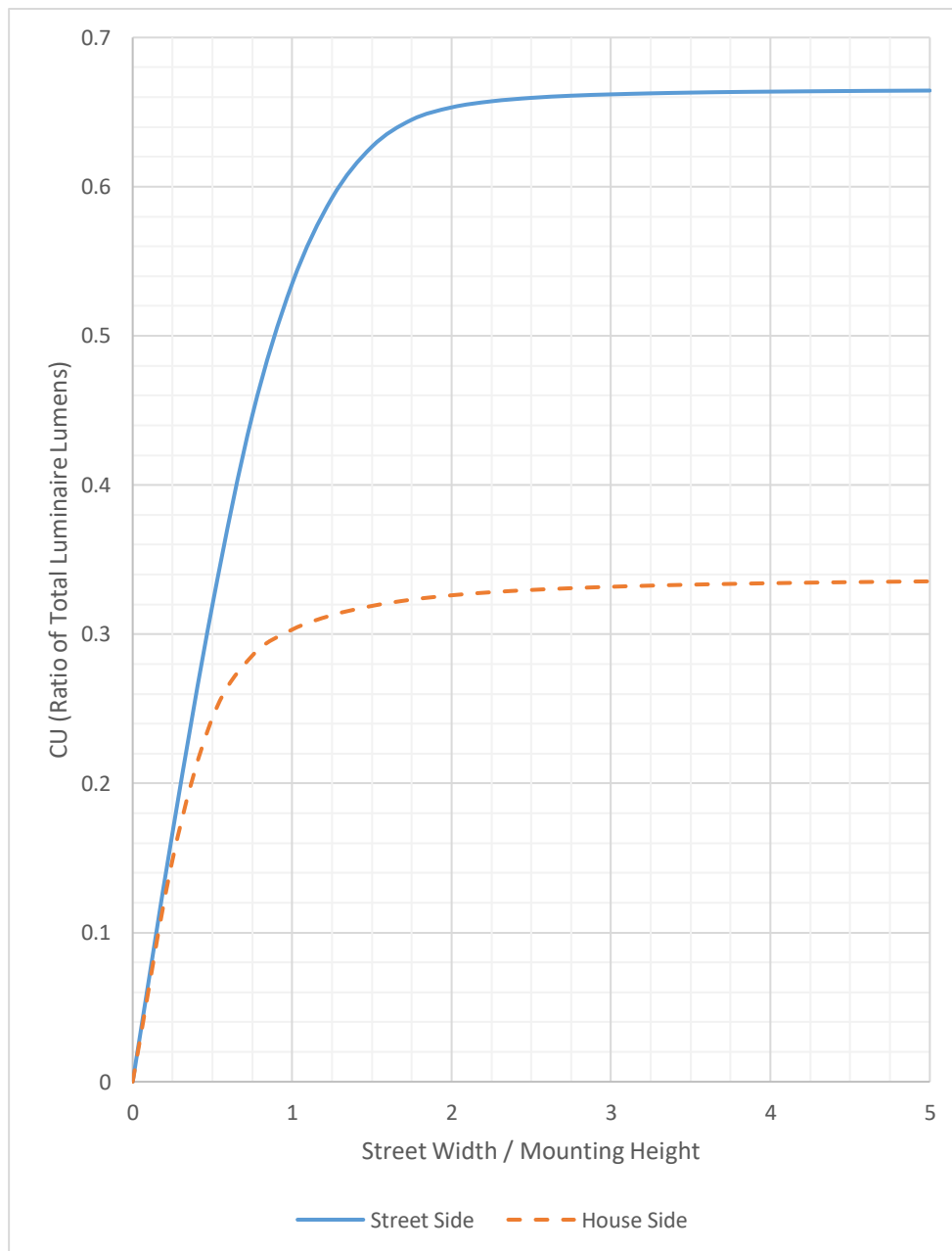
The isofootcandle values shown in the plot above are based on a mounting height of $h = 10.0$ feet. Grid values show multiples of mounting height. The isoilluminance contour lines are expressed in units of footcandles. The values expressed are based on the direct light from a single unit without the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



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Coefficients of Utilization Plot

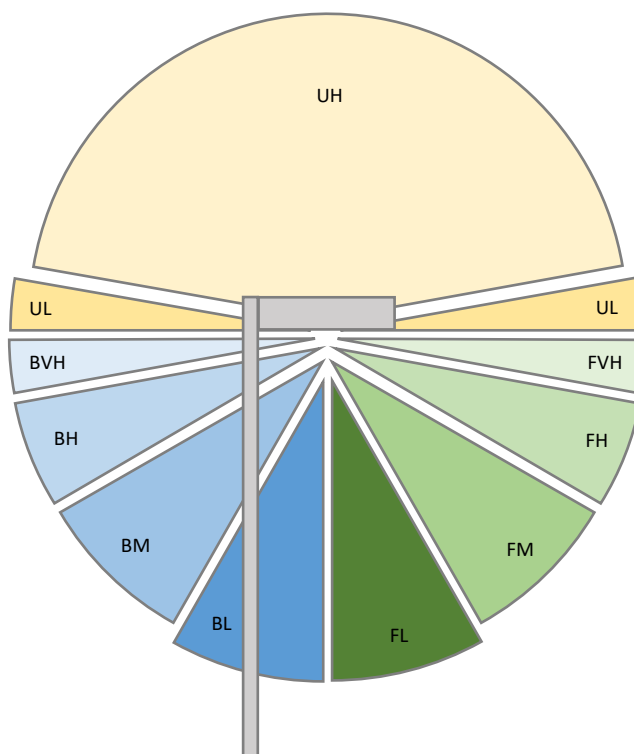




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LCS Tables and Bug Classification



Back Light

BL - Back Low (0°-30°)	846.1 Lm
BM - Back Mid (30°-60°)	1552.3 Lm
BH - Back High (60°-80°)	693.7 Lm
BVH - Back Very High (80°-90°)	22.4 Lm

Uplight

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

Forward Light

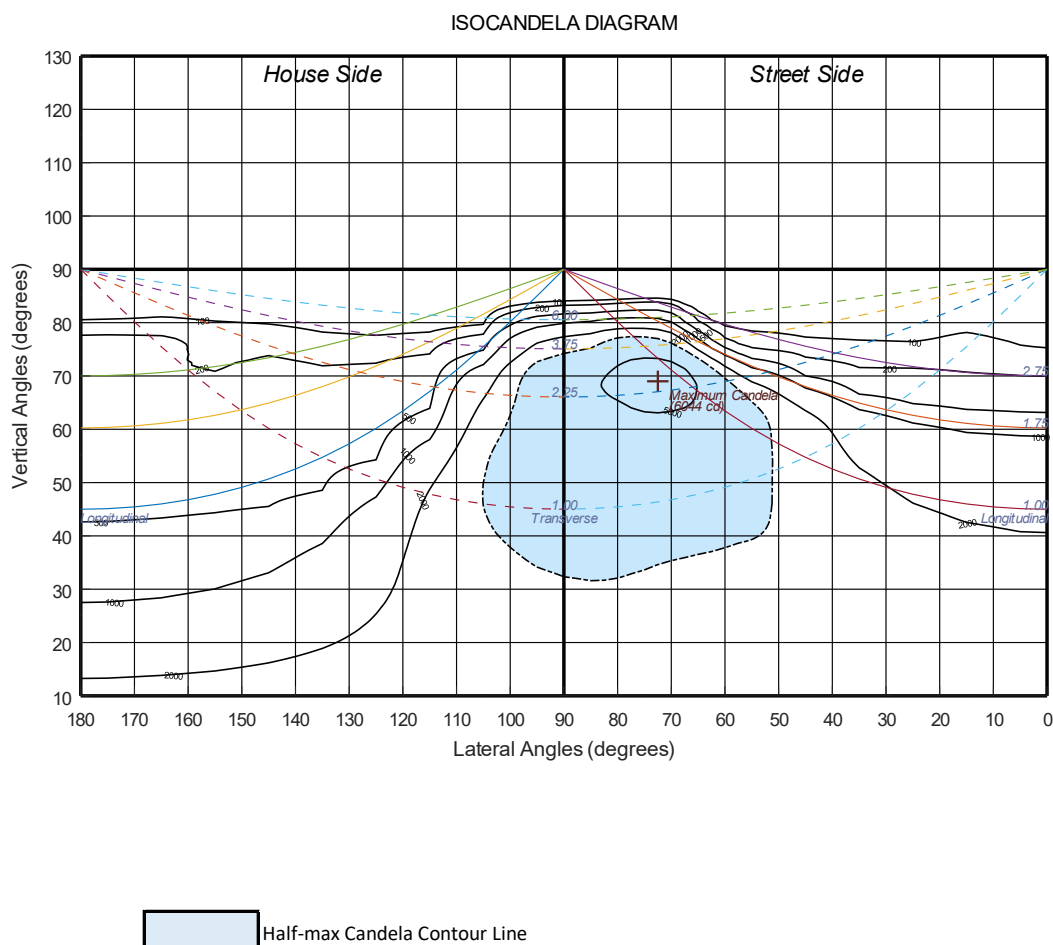
FL - Forward Low (0°-30°)	1147.4 Lm
FM - Forward Mid (30°-60°)	3160.1 Lm
FH - Forward High (60°-80°)	1798.0 Lm
FVH - Forward Very High (80°-90°)	41.7 Lm

BUG Ratings: B2 - U0 - G2



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Iso-Candela Plot





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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	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606
	2.5	2695	2694	2691	2683	2676	2664	2654	2650	2646	2641	2639	2638	2634	2629	2628
	5	2765	2765	2764	2755	2744	2725	2699	2691	2681	2676	2670	2664	2659	2650	2643
	7.5	2751	2752	2758	2759	2760	2755	2738	2728	2720	2711	2702	2692	2682	2669	2661
	10	2693	2694	2699	2708	2727	2745	2747	2744	2740	2736	2727	2716	2706	2690	2678
	12.5	2663	2666	2670	2670	2676	2706	2733	2738	2739	2740	2736	2731	2724	2708	2697
	15	2623	2624	2631	2641	2651	2664	2703	2712	2722	2730	2737	2738	2734	2728	2718
	17.5	2603	2604	2604	2609	2623	2642	2669	2686	2700	2717	2729	2738	2742	2744	2736
	20	2652	2648	2624	2605	2603	2623	2656	2665	2680	2702	2723	2737	2751	2757	2760
	22.5	2774	2769	2735	2671	2612	2616	2655	2665	2677	2700	2722	2746	2767	2781	2792
	25	2862	2856	2828	2775	2679	2634	2668	2680	2695	2712	2740	2765	2792	2812	2832
	27.5	2911	2908	2896	2841	2773	2683	2697	2710	2728	2748	2774	2800	2826	2851	2874
	30	2827	2830	2861	2879	2834	2768	2745	2758	2776	2796	2815	2843	2869	2900	2923
	32.5	2676	2684	2739	2810	2868	2844	2813	2820	2837	2854	2876	2899	2925	2955	2988
	35	2507	2514	2582	2684	2831	2893	2892	2904	2923	2942	2963	2984	3008	3037	3070
	37.5	2302	2315	2411	2539	2736	2917	2971	2985	3011	3038	3062	3089	3115	3140	3179
	40	2053	2070	2198	2382	2617	2897	3041	3067	3100	3137	3176	3208	3239	3269	3309
	42.5	1885	1896	2002	2216	2497	2845	3105	3154	3199	3244	3299	3343	3376	3409	3444
	45	1772	1780	1868	2062	2385	2779	3162	3234	3304	3363	3426	3482	3519	3543	3566
	47.5	1653	1661	1744	1931	2268	2702	3216	3327	3422	3503	3569	3626	3662	3683	3695
	50	1529	1536	1611	1806	2141	2631	3264	3415	3543	3644	3725	3785	3825	3841	3852
	52.5	1403	1410	1479	1670	2015	2564	3308	3500	3664	3798	3903	3976	4022	4039	4036
	55	1273	1278	1344	1521	1872	2503	3346	3567	3772	3942	4076	4174	4227	4246	4232
	57.5	1110	1117	1175	1374	1733	2438	3363	3610	3854	4065	4236	4355	4417	4428	4401
	60	854	865	935	1153	1557	2358	3370	3648	3936	4185	4381	4521	4610	4626	4585
	62.5	554	562	620	802	1221	2157	3308	3643	4005	4345	4603	4766	4862	4911	4880
	65	397	410	415	482	755	1675	3047	3488	3970	4454	4866	5150	5287	5330	5279
	67.5	304	312	317	342	396	1056	2479	3014	3642	4324	4954	5444	5758	5869	5821
	70	198	202	222	248	246	503	1586	2131	2846	3717	4632	5351	5798	6008	5990
	72.5	137	144	163	175	178	249	706	1089	1658	2506	3525	4487	5097	5375	5383
	75	103	107	129	125	128	150	219	319	593	1086	1927	2934	3679	4066	4194
	77.5	82	84	109	85	88	97	124	140	175	359	788	1538	2341	2746	2927
	80	54	57	80	63	53	65	67	73	84	123	231	537	1054	1308	1376
	82.5	26	28	39	39	28	33	35	36	39	49	87	169	360	461	461
	85	9	9	12	12	12	13	15	15	16	19	24	31	43	48	45
	87.5	3	3	3	4	4	4	5	5	5	5	5	5	6	6	6
	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	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606	2606
	2.5	2624	2620	2617	2611	2604	2596	2583	2564	2549	2535	2524	2519	2512	2509	2508
	5	2635	2630	2621	2614	2600	2586	2554	2522	2494	2466	2444	2427	2416	2408	2408
	7.5	2648	2638	2628	2615	2596	2572	2525	2478	2431	2390	2351	2323	2304	2290	2288
	10	2665	2652	2637	2621	2593	2562	2499	2432	2365	2305	2246	2207	2184	2168	2165
	12.5	2683	2667	2649	2631	2597	2556	2477	2389	2298	2215	2150	2100	2067	2043	2041
	15	2702	2689	2670	2649	2610	2561	2462	2348	2228	2135	2050	1984	1939	1908	1904
	17.5	2726	2712	2697	2673	2630	2574	2457	2312	2172	2049	1942	1851	1785	1749	1745
	20	2755	2745	2735	2713	2663	2602	2460	2283	2118	1959	1818	1701	1618	1575	1570
	22.5	2794	2790	2783	2765	2712	2647	2477	2267	2064	1861	1681	1536	1436	1381	1375
	25	2841	2843	2842	2826	2777	2705	2510	2261	2009	1754	1532	1354	1234	1179	1171
	27.5	2893	2903	2904	2895	2851	2774	2555	2260	1948	1635	1365	1167	1054	1006	1000
	30	2950	2963	2972	2969	2933	2854	2612	2269	1882	1503	1190	1003	904	857	852
	32.5	3011	3036	3050	3054	3028	2948	2672	2276	1808	1353	1033	864	781	745	741
	35	3099	3132	3151	3162	3148	3064	2743	2284	1728	1203	896	755	693	664	660
	37.5	3213	3244	3272	3287	3281	3192	2820	2280	1632	1061	779	660	602	575	571
	40	3341	3375	3403	3418	3418	3330	2900	2266	1514	918	668	570	539	527	525
	42.5	3476	3507	3533	3549	3556	3462	2966	2235	1373	776	569	522	510	503	502
	45	3586	3616	3644	3662	3673	3571	3013	2177	1190	633	508	491	480	469	467
	47.5	3706	3725	3751	3774	3780	3662	3035	2074	983	527	471	459	450	435	434
	50	3844	3846	3864	3880	3878	3740	3022	1911	775	476	438	427	423	410	406
	52.5	4011	3991	3985	3989	3974	3804	2976	1682	589	446	410	401	417	391	381
	55	4188	4136	4102	4083	4048	3846	2902	1382	472	422	382	382	400	376	363
	57.5	4331	4252	4189	4151	4081	3820	2756	1068	408	396	355	366	372	349	339
	60	4500	4385	4288	4221	4094	3765	2564	788	368	365	334	347	342	312	303
	62.5	4776	4629	4489	4381	4157	3731	2332	580	335	332	325	320	300	269	260
	65	5141	4936	4721	4551	4222	3702	2076	455	308	299	309	282	264	232	227
	67.5	5619	5323	5018	4776	4342	3705	1771	384	274	264	291	242	243	218	214
	70	5737	5346	4950	4656	4222	3581	1402	321	236	227	262	211	230	218	217
	72.5	5216	4821	4345	4000	3616	3074	921	252	198	192	221	186	218	233	243
	75	4120	3884	3468	3096	2779	2323	480	176	152	152	181	166	232	272	270
	77.5	2962	2844	2564	2202	1940	1578	228	116	102	112	144	157	202	212	207
	80	1381	1334	1230	1080	965	781	90	68	62	74	95	106	127	131	127
	82.5	442	413	376	335	320	249	40	37	33	40	51	55	61	26	11
	85	42	38	35	33	29	28	18	16	15	16	17	16	9	2	2
	87.5	6	7	7	6	6	6	5	5	5	4	3	1	1	0	0
	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 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 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

LLIA001594-001A

Additional Pictures of Test Subject



Report of Test

LLIA001594-001A

Test Distance 9.5 m
Ambient Temperature 24.9 °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-31-95 and LM-10-96.

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.

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-75-01.

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.



Report of Test

LLIA001594-001B

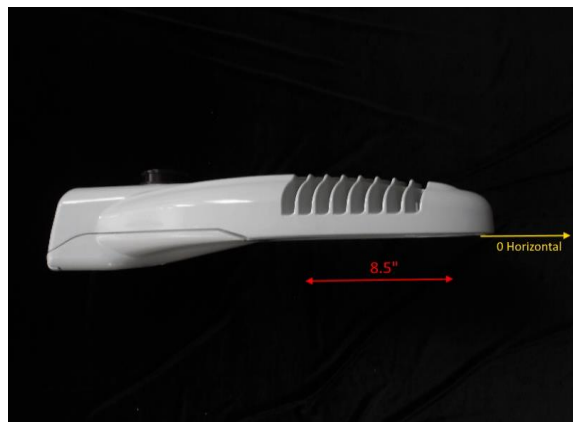
Integrating Sphere Report

Catalog Number: NXT-36S-5-X-2ES-7-XX-4-XX-X-XX-X

Pole/arm mounted, grey painted cast aluminum housing and door/driver compartment cover, one circuit board, one clear plastic lens with optic below each LED and clear flat glass enclosure.

36 white LEDs

Osram Optotronic OT100W/UNV/800C/2DIM/P6 LED driver at 700mA, WH91-5U1-03 surge suppressor



Performance Summary

Voltage	120.0 Vac
Current	0.6782 A
Power	80.94 W
Frequency	59.99 Hz
Power Factor	0.995
Current THD	1.5 %
Total Luminous Flux	9287.1 lm
Efficacy	114.7 lm/W
Chromaticity (x,y)	(0.4303, 0.4055)
(u',v')	(0.2457, 0.5209)
Duv	0.0015
CCT	3127 K
CRI (Ra)	73
R9	-27
TM-30: Rf	72
TM-30: Rg	96
TM-30: Rcs,h1	-15

Prepared For:

LED Roadway Lighting

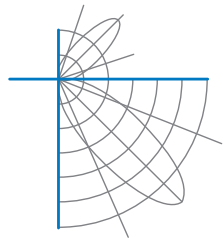
84 Chain Lake Drive

Suite 403

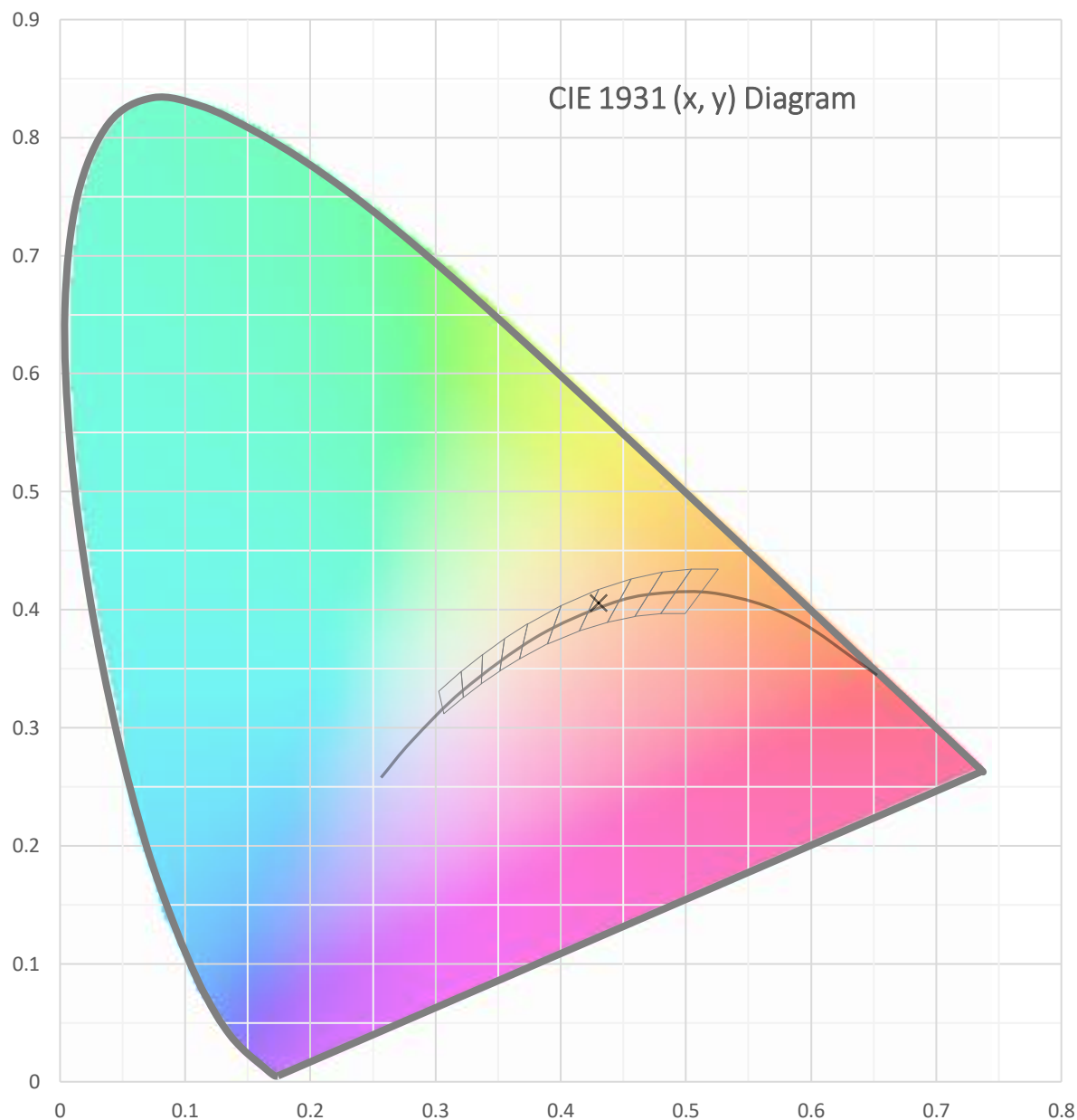
Halifax, Nova Scotia B3S 1A2, Canada

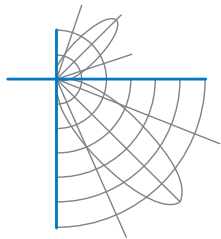
Test date: 11/19/2021

Report date: 11/22/2021

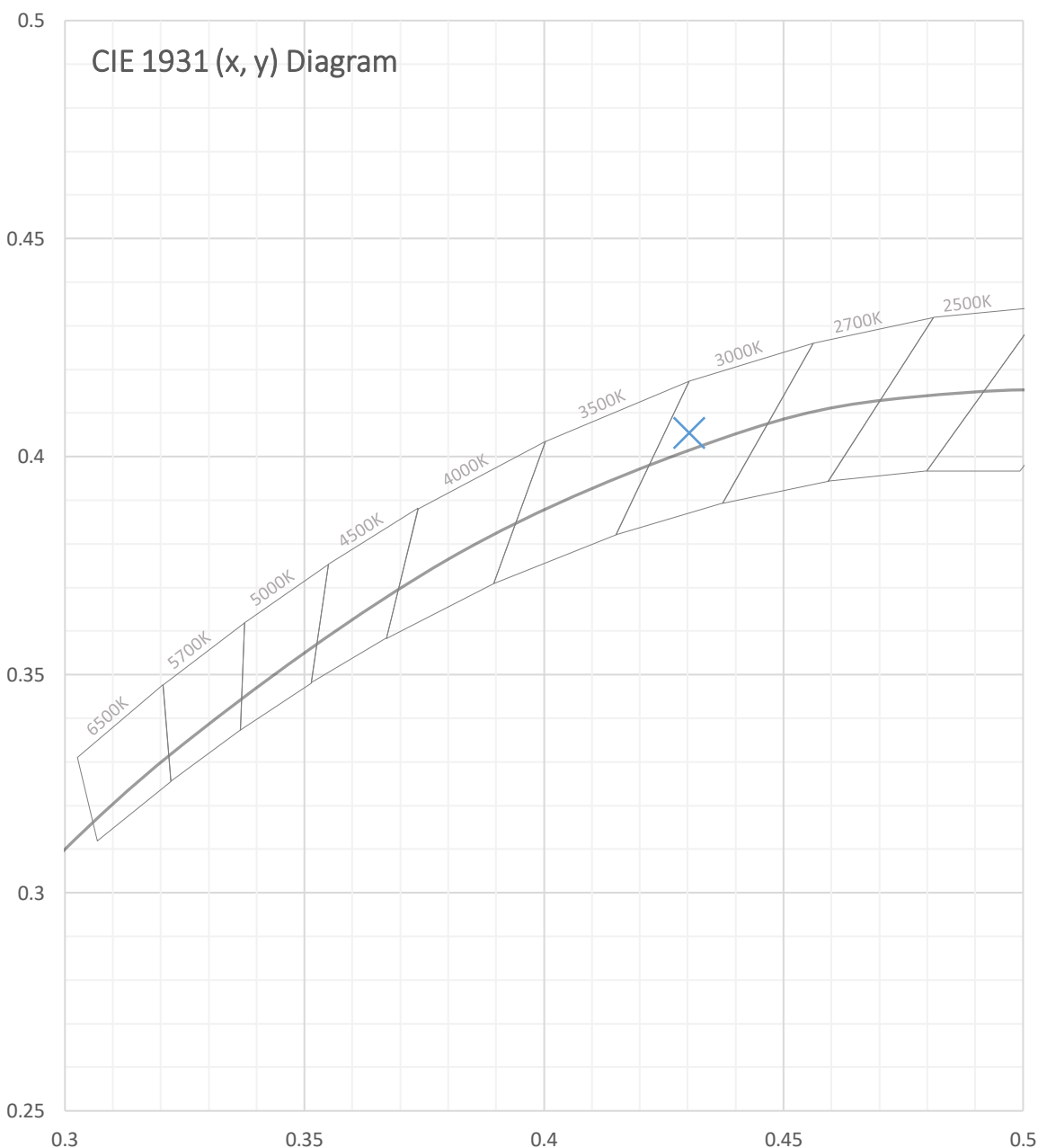


Test Report Number: LLIA001594-001B





Test Report Number: LLIA001594-001B





Test Report Number: LLIA001594-001B

Total Radiant Flux	26.74 W
Total Luminous Flux	9287.1 lm
Chromaticity CIE 1931 (x, y)	(0.4303, 0.4055)
Chromaticity CIE 1976 (u', v')	(0.2457, 0.5209)
Correlated Color Temperature (CCT)	3127 K
Color Rendering Index (Ra)	73
R1	70
R2	81
R3	91
R4	71
R5	69
R6	73
R7	80
R8	48
R9	-27
R10	55
R11	67
R12	49
R13	71
R14	95
TM-30: Rf	72
TM-30: Rg	96
TM-30: Rcs,h1	-15
Distance from Planckian Locus (Duv)	0.0015
Scotopic/Photopic Ratio $\frac{V_{\lambda}^{\prime}}{V_{\lambda}}$	1.235

Electrical Data

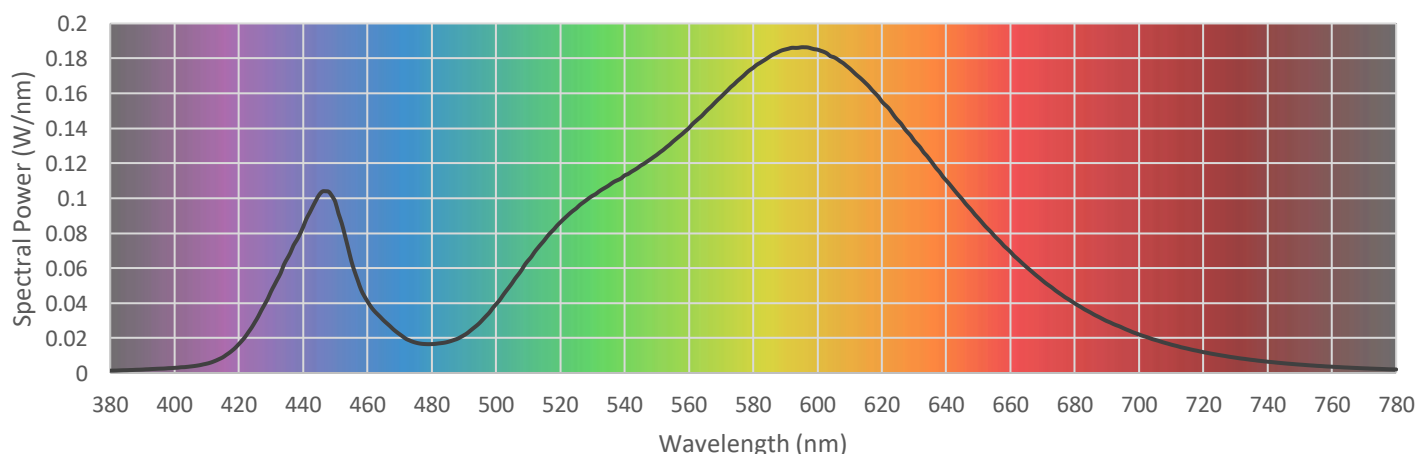
Voltage	120.0 Vac
Current	0.6782 A
Power	80.94 W
Frequency	59.99 Hz
Power Factor	0.995
Current THD	1.5 %



Test Report Number: LLIA001594-001B

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

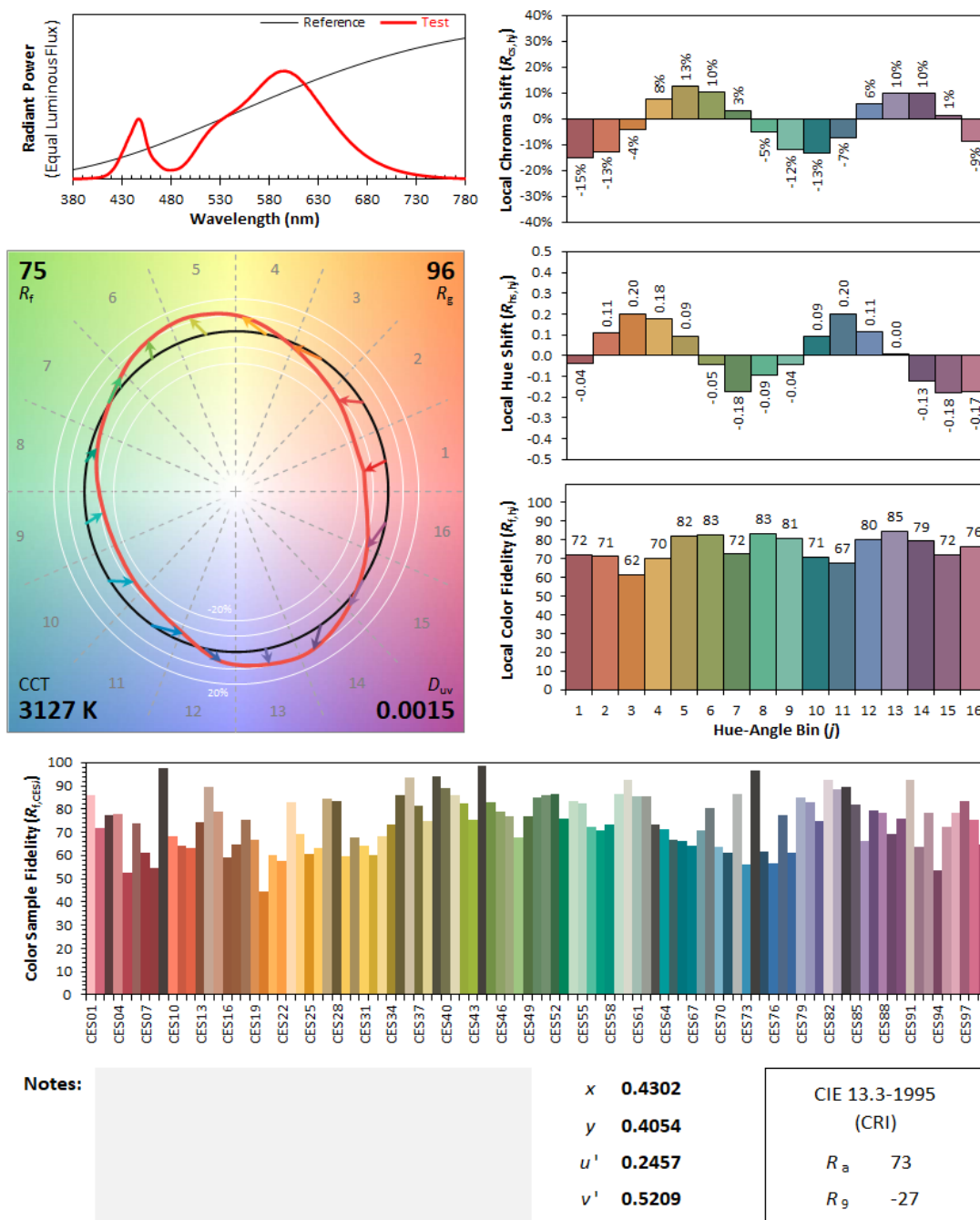
380	0.001344	480	0.016540	580	0.174645	680	0.039824
385	0.001601	485	0.017777	585	0.180865	685	0.034508
390	0.001948	490	0.021584	590	0.185118	690	0.029679
395	0.002444	495	0.028837	595	0.186369	695	0.025753
400	0.002932	500	0.039344	600	0.185013	700	0.022039
405	0.003726	505	0.051437	605	0.180737	705	0.018942
410	0.005328	510	0.064368	610	0.174252	710	0.016246
415	0.008960	515	0.075875	615	0.165795	715	0.013959
420	0.016571	520	0.086190	620	0.155356	720	0.011925
425	0.029105	525	0.094265	625	0.144538	725	0.010253
430	0.046605	530	0.101396	630	0.133053	730	0.008770
435	0.065335	535	0.107204	635	0.121921	735	0.007519
440	0.083551	540	0.113066	640	0.110254	740	0.006450
445	0.101982	545	0.118662	645	0.099419	745	0.005564
450	0.097854	550	0.124826	650	0.088619	750	0.004800
455	0.064020	555	0.132335	655	0.078459	755	0.004128
460	0.041027	560	0.140130	660	0.069355	760	0.003592
465	0.030132	565	0.149067	665	0.060622	765	0.003091
470	0.022192	570	0.158047	670	0.052879	770	0.002666
475	0.017372	575	0.166931	675	0.045945	775	0.002328
						780	0.002005





Test Report Number: LLIA001594-001B

IES TM-30 Details





Test Report Number: LLIA001594-001B

Additional Pictures of Test Subject



Test Report Number: LLIA001594-001B

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: 24.6 °C

Test Procedure: Tested in accordance with the applicable sections of:
LM-79-19, LM-78-07, LM-58-13, ANSI_ANSLG C78.377-2017, TM-30-18

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 V2-15



Report of Test

LLIA001594-001C

Electrical Test Report

Catalog Number: NXT-36S-5-X-2ES-7-XX-4-XX-X-XX-X

Pole/arm mounted, grey painted cast aluminum housing and door/driver compartment cover, one circuit board, one clear plastic lens with optic below each LED and clear flat glass enclosure.

36 white LEDs

Osram Optotronic OT100W/UNV/800C/2DIM/P6 LED driver at 700mA, WH91-5U1-03 surge suppressor



Performance Summary

Voltage	277.0 Vac
Current	0.3025 A
Power	79.67 W
Frequency	59.99 Hz
Power Factor	0.951
Current THD	3.5 %
Ambient Temperature:	24.6 °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: 11/19/2021

Report date: 11/22/2021

Electrical Report Template V1-3