



Report No.:GZE151038-01R

NVLAP LAB CODE 201011-0

LM-79-08 Test Report

For

SIMKAR CORPORATION

(Brand Name: )

LED Lamp

Model name(s): SALXS350U1

Model differences: N/A

Test & Report By:

Johnson Sun

Engineer: Johnson Sun

Date: Oct.26, 2015



Review By:

Tommy Liang

Manager: Tommy Liang

Note: This report does not imply product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Laboratory: Standard-Tech Co. Ltd Testing Center

NVLAP CODE: 201011-0

Report Format Number STD/QR4909-A/2

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U.S. Department of Energy

Lighting Facts™ Uniform LM-79 Reporting Template
Laboratory Information:

Name of Test Laboratory	Standard-Tech Co., Ltd.
Date of Test Report	Oct.26, 2015
Test Report No.	GZE151038-01R
Laboratory Contact Name	Tommy Liang

Product Information:

Organization Name	SIMKAR CORPORATION	
Brand Name		
Model Number	SALXS350U1	
SKU (if available)	N/A	
Type of Luminaire (for integral lamps, list base type and lamp type)	LED Lamp	
Luminaire Aperture (for downlights)	--	in.
Luminaire Length	--	mm
Luminaires Width	--	mm
Number of Units (modular products)	N/A	s

Goniophotometer
Electrical Measurements:
Output

Input Wattage	72.83	W
Input Current	0.2988	A
Input Voltage (ac)	277.1	V
Power Factor	0.8797	
Off-State Power	0	W

Photometric Characteristics

Total Initial Lumen Output	8980.1	lm
Initial Lumen Efficacy	123.30	lm/w
Correlated color temperature / CCT	--	K
Color rendering index / CRI	--	
R9 Value	--	
Duv	--	
Luminous Intensity Distribution		
Center beam candlepower (if applicable)	1727	cd
Beam angle (if applicable)	65	°
Zonal lumens in the 0°-60° zone	63.5	%
Zonal lumens in the 60°-90° zone	36.5	%
Zonal lumens in the 90°-120° zone	0	%
Zonal lumens in the 120°-180° zone	0	%

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Test Specifications:	
Date of Receipt	: Oct.21,2015
Date of Test	: Oct.22,2015
Test item	: Total Luminous Flux, Luminous Distribution Intensity, Luminous Efficacy, Electrical parameters
Reference Standard	IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products IESNA TM-16-05 Technical Memorandum on Light Emitting Diode (LED) Sources and Systems
Reference Work Instruction	QD25

Test Methods

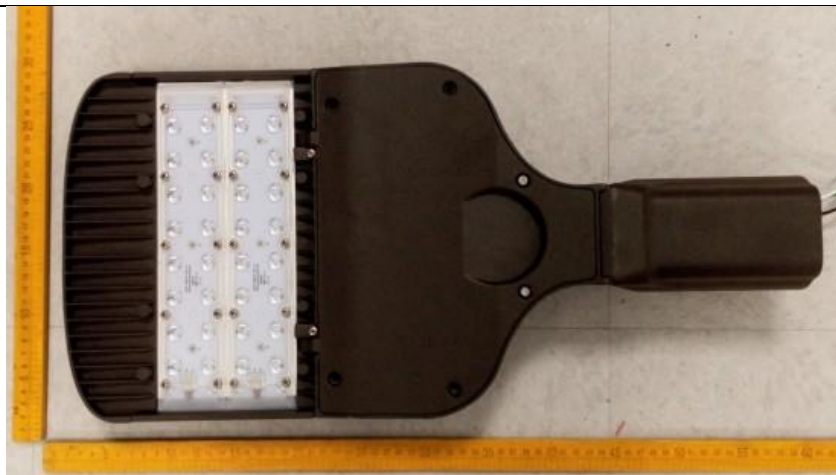
1. Photometric and Electrical measurements – Light Distribution Method:

Photometric parameters were measured using the goniophotometer and software. The ambient temperature shall be maintained at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$, measured at a point not more than 1 m from the sample and at the same height as the sample. The sample was operated at 277Volts AC, 60Hz. It was stabilized before measurement was made. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 1° vertical intervals and 22.5° horizontal intervals.

1. Product Information:

Brand Name	SIMKAR CORPORATION
Model Number	SALXS350U1
Luminaire Type	LED Lamp
Rated Voltage / Frequency	277Vac, 60Hz
Nominal Power	85W
Rated Initial Lamp Lumen	N/A
Declared CCT	5000K
IES	Type III - Medium
LED Manufacturer	NICHIA
LED Model	219C D320 5000K RA70
Power Supply:	EUG-075S175DT 120-277V
Sample Receipt Date	Oct.21,2015
Sample Number	GZE151038-01R1

Photo



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2.1 Electrical, Photometric and Chromaticity Measurements (Refer to Work Instruction QD25)	IES LM-79 2008
------------------------------------------------------------------------------------------------------	-----------------------

Test date	2015-10-22	Test Ambient:	25.1°C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	SALXS350U1		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
GZE151038 -01R1	277.1	60	0.2988	72.83	0.8797	17.51

Goniophotometer Method:

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	8980.1
Luminous Efficacy (lm/W)	123.30
Beam Angle°	65
Center Beam Candle Power (cd)	1727

Zonal Lumen Tabulation:

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	41.3	0.5%	90-95	0	0%
5-10	123.4	1.4%	95-100	0	0%
10-15	205.1	2.3%	100-105	0	0%
15-20	286.2	3.2%	105-110	0	0%
20-25	365.6	4.1%	110-115	0	0%
25-30	443.5	4.9%	115-120	0	0%
30-35	520.4	5.8%	120-125	0	0%
35-40	592.7	6.6%	125-130	0	0%
40-45	661.8	7.4%	130-135	0	0%
45-50	733.9	8.2%	135-140	0	0%
50-55	820.0	9.1%	140-145	0	0%
55-60	905.8	10.1%	145-150	0	0%
60-65	977.2	10.9%	150-155	0	0%
65-70	1,005.8	11.2%	155-160	0	0%
70-75	820.4	9.1%	160-165	0	0%
75-80	370.1	4.1%	165-170	0	0%
80-85	95.7	1.1%	170-175	0	0%
85-90	8.6	0.1%	175-180	0	0%

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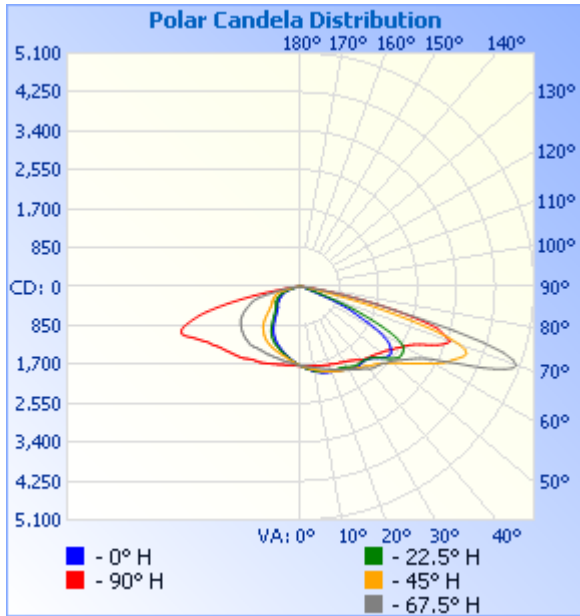
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Photometric Data



Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.2%	8,729.3	154.9	136.7
Beam (50%):	32.3%	2,900.8	45.4	65
Total:	100%	8,974.8		

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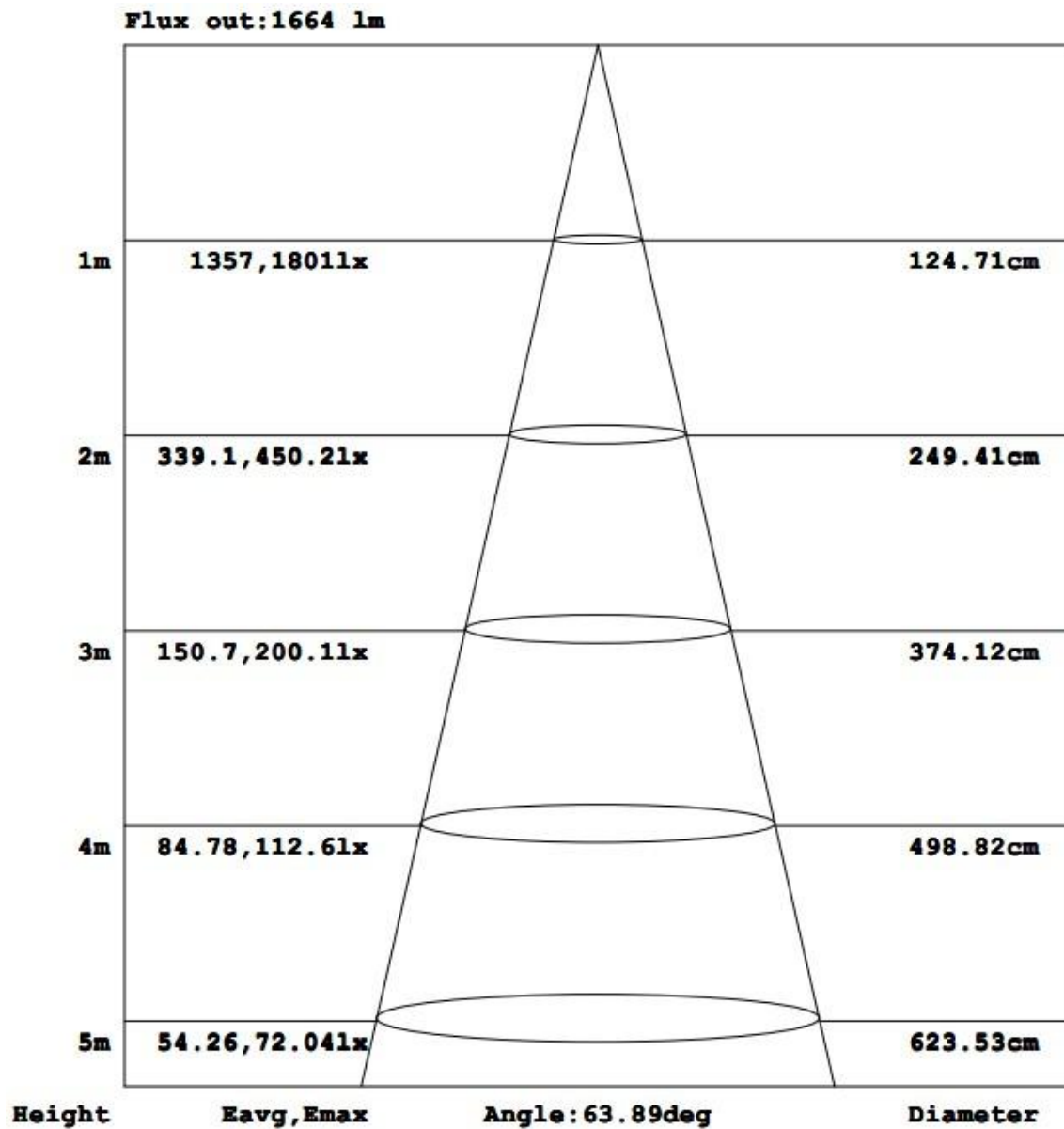
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Illuminance Plots



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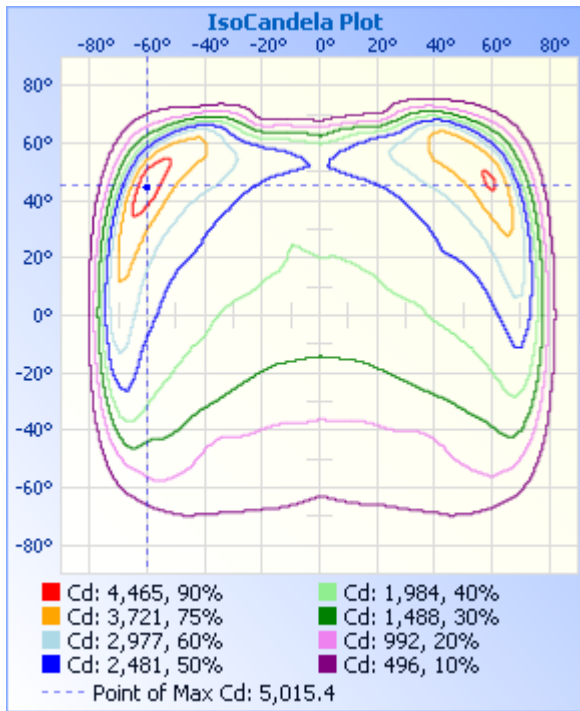
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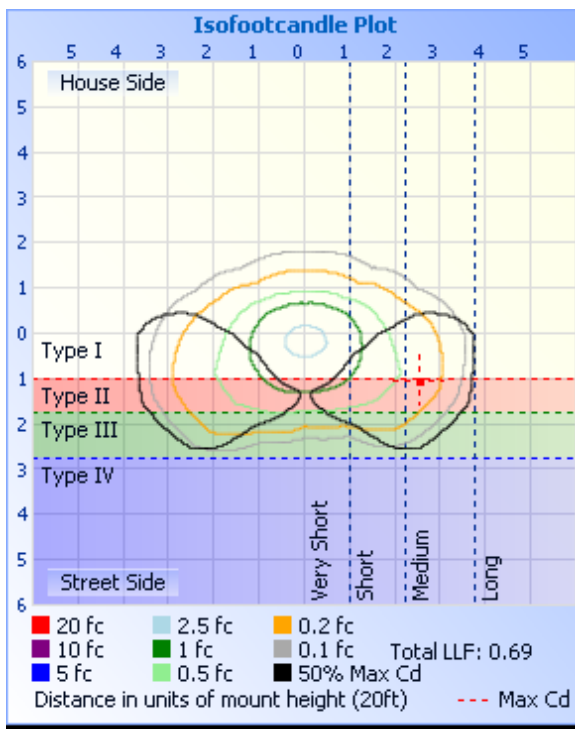
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ISOCANDELA DIAGRAM



ISOLUX DIAGRAM



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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	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727	1727
1	1743	1740	1736	1729	1728	1719	1714	1711	1716	1715	1713	1724	1731	1733	1736	1740	1743
2	1758	1756	1753	1737	1735	1714	1702	1697	1699	1699	1701	1714	1732	1741	1746	1758	1758
3	1773	1767	1767	1742	1735	1705	1696	1686	1675	1683	1693	1706	1727	1748	1756	1769	1773
4	1794	1791	1779	1746	1737	1699	1680	1670	1662	1669	1671	1700	1726	1750	1764	1784	1794
5	1806	1805	1787	1751	1735	1690	1664	1654	1643	1652	1659	1692	1728	1760	1771	1800	1806
6	1816	1812	1800	1761	1736	1685	1658	1634	1625	1635	1642	1683	1726	1762	1779	1815	1816
7	1837	1826	1811	1767	1740	1675	1645	1619	1606	1621	1632	1681	1726	1768	1792	1828	1837
8	1859	1839	1824	1778	1741	1670	1634	1608	1591	1605	1620	1674	1733	1782	1808	1845	1859
9	1860	1857	1835	1785	1743	1661	1624	1590	1571	1589	1606	1669	1733	1784	1813	1862	1860
10	1878	1870	1846	1791	1749	1662	1613	1572	1556	1570	1595	1666	1740	1794	1826	1869	1878
11	1898	1882	1855	1804	1756	1661	1606	1554	1536	1553	1583	1665	1744	1804	1841	1883	1898
12	1909	1899	1869	1816	1760	1660	1598	1544	1521	1538	1566	1663	1743	1819	1852	1900	1909
13	1920	1903	1881	1826	1768	1661	1586	1527	1502	1525	1561	1659	1750	1829	1867	1909	1920
14	1936	1919	1904	1839	1773	1659	1574	1511	1484	1504	1554	1656	1751	1834	1879	1914	1936
15	1944	1924	1913	1854	1782	1661	1565	1493	1467	1493	1548	1651	1761	1849	1887	1925	1944
16	1948	1931	1928	1865	1787	1666	1557	1483	1452	1478	1536	1646	1765	1857	1906	1941	1948
17	1961	1938	1942	1878	1791	1665	1546	1471	1431	1471	1527	1643	1773	1868	1919	1945	1961
18	1964	1944	1953	1885	1802	1662	1531	1457	1416	1449	1522	1642	1780	1883	1932	1961	1964
19	1965	1948	1964	1909	1807	1664	1524	1441	1397	1440	1511	1638	1788	1894	1953	1971	1965
20	1981	1950	1971	1918	1812	1665	1514	1427	1382	1421	1502	1641	1796	1906	1959	1970	1981
21	1986	1957	1981	1935	1816	1661	1503	1414	1364	1408	1496	1639	1803	1923	1980	1979	1986
22	2001	1967	1993	1953	1820	1657	1494	1398	1346	1394	1488	1639	1807	1942	1984	1996	2001
23	2002	1968	2007	1969	1834	1653	1490	1384	1326	1384	1479	1636	1817	1962	1994	1992	2002
24	2009	1970	2019	1977	1844	1656	1485	1369	1309	1368	1471	1635	1834	1973	2002	2006	2009
25	2024	1975	2026	1993	1853	1664	1473	1354	1285	1350	1466	1637	1843	1990	2014	2006	2024
26	2027	1974	2040	2020	1862	1670	1465	1339	1265	1333	1456	1643	1857	2009	2028	2013	2027
27	2032	1985	2047	2045	1860	1673	1458	1321	1244	1314	1447	1644	1866	2030	2040	2019	2032
28	2039	1996	2057	2053	1873	1671	1452	1301	1224	1297	1434	1639	1876	2049	2048	2026	2039
29	2047	2002	2063	2078	1888	1673	1443	1282	1200	1279	1427	1639	1881	2066	2061	2037	2047

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30	2060	2023	2084	2093	1896	1674	1431	1261	1171	1257	1417	1636	1881	2087	2079	2055	2060
31	2081	2047	2104	2119	1903	1680	1424	1240	1142	1234	1410	1633	1894	2108	2099	2071	2081
32	2109	2063	2123	2134	1919	1685	1416	1217	1118	1206	1396	1635	1897	2133	2117	2088	2109
33	2129	2081	2146	2164	1932	1693	1406	1192	1084	1182	1382	1648	1905	2144	2146	2101	2129
34	2139	2095	2162	2182	1949	1708	1396	1163	1052	1150	1369	1643	1916	2154	2165	2108	2139
35	2144	2096	2169	2214	1964	1711	1382	1138	1017	1116	1357	1641	1931	2180	2178	2113	2144
36	2151	2111	2188	2224	1987	1718	1370	1109	982	1083	1337	1646	1951	2205	2205	2122	2151
37	2147	2107	2199	2247	2007	1726	1354	1075	944	1045	1322	1655	1965	2238	2228	2136	2147
38	2138	2108	2220	2272	2032	1734	1338	1040	910	1008	1305	1664	1991	2266	2247	2150	2138
39	2132	2115	2235	2304	2054	1743	1323	1005	877	971	1279	1668	2007	2299	2282	2172	2132
40	2134	2112	2263	2344	2089	1750	1311	970	843	937	1256	1670	2020	2337	2325	2171	2134
41	2127	2131	2292	2366	2103	1758	1290	933	814	906	1240	1677	2035	2370	2350	2183	2127
42	2152	2144	2313	2386	2113	1767	1275	898	786	871	1219	1676	2044	2395	2371	2201	2152
43	2163	2157	2330	2398	2136	1776	1254	867	761	843	1197	1667	2055	2397	2376	2214	2163
44	2184	2174	2355	2406	2149	1774	1232	839	737	815	1172	1658	2069	2427	2394	2239	2184
45	2204	2206	2375	2424	2161	1781	1202	815	716	794	1143	1655	2080	2436	2415	2259	2204
46	2240	2232	2410	2443	2165	1785	1178	792	697	772	1112	1656	2092	2457	2446	2298	2240
47	2279	2279	2456	2447	2194	1787	1149	773	680	754	1076	1649	2106	2473	2478	2347	2279
48	2326	2318	2505	2492	2209	1785	1117	756	669	737	1042	1644	2120	2498	2504	2397	2326
49	2375	2372	2551	2525	2235	1784	1080	738	663	717	1007	1633	2139	2536	2535	2456	2375
50	2407	2433	2598	2547	2258	1787	1043	722	656	701	970	1626	2154	2559	2583	2512	2407
51	2434	2495	2647	2582	2279	1780	1003	710	643	689	932	1618	2172	2587	2635	2588	2434
52	2446	2543	2708	2618	2304	1784	969	694	633	677	895	1609	2183	2616	2685	2649	2446
53	2458	2596	2779	2665	2328	1791	934	684	624	666	864	1601	2201	2655	2746	2700	2458
54	2447	2640	2853	2725	2367	1789	906	674	617	658	838	1590	2229	2690	2791	2751	2447
55	2408	2659	2921	2775	2401	1779	878	667	602	649	811	1580	2252	2732	2870	2796	2408
56	2371	2659	3004	2835	2444	1774	851	660	583	639	788	1563	2288	2781	2954	2839	2371
57	2319	2654	3082	2903	2469	1762	828	654	569	630	768	1554	2313	2830	3039	2860	2319
58	2246	2644	3179	2958	2517	1753	810	647	557	626	750	1537	2335	2893	3141	2862	2246
59	2132	2622	3272	3044	2562	1754	791	641	545	622	733	1523	2357	2963	3261	2864	2132
60	2010	2584	3361	3140	2604	1742	776	634	530	613	720	1510	2395	3054	3371	2859	2010
61	1834	2491	3450	3258	2655	1720	760	621	518	596	709	1495	2444	3150	3481	2823	1834

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62	1639	2364	3539	3450	2714	1698	748	607	505	580	698	1466	2482	3319	3590	2754	1639
63	1442	2179	3612	3643	2784	1668	736	596	487	569	690	1442	2520	3491	3709	2663	1442
64	1307	1947	3672	3836	2886	1636	724	582	469	554	681	1415	2574	3662	3788	2537	1307
65	1172	1702	3742	4092	3004	1594	711	568	455	537	668	1384	2616	3886	3887	2337	1172
66	973	1470	3814	4364	3132	1548	695	550	444	518	647	1349	2687	4140	3991	2053	973
67	721	1231	3881	4598	3258	1496	674	531	433	501	633	1313	2746	4326	4108	1748	721
68	464	966	3909	4808	3352	1439	655	511	421	480	621	1275	2784	4484	4183	1461	464
69	311	683	3851	4967	3432	1372	637	490	405	454	606	1236	2796	4571	4209	1177	311
70	250	465	3695	5015	3475	1320	617	466	386	430	595	1196	2767	4576	4116	894	250
71	211	339	3423	4907	3363	1268	597	432	364	407	577	1159	2703	4470	3937	636	211
72	180	267	3009	4650	3251	1209	577	405	323	380	559	1124	2589	4252	3618	455	180
73	156	220	2524	4167	3138	1148	551	369	289	333	540	1096	2463	3915	3211	348	156
74	135	184	1990	3482	2862	1063	522	313	268	297	518	1038	2311	3433	2688	276	135
75	116	155	1538	2748	2489	914	489	287	247	273	487	955	2128	2873	2160	221	116
76	99	131	1088	2111	2120	763	452	263	225	248	444	842	1883	2326	1713	178	99
77	84	109	638	1729	1713	657	388	240	202	226	345	712	1613	1882	1267	143	84
78	67	90	444	1356	1301	562	303	216	171	197	304	598	1333	1522	820	114	67
79	53	76	325	982	970	491	260	191	150	164	269	515	1044	1163	594	92	53
80	42	65	249	729	667	428	209	164	134	133	240	450	787	804	435	74	42
81	31	54	194	499	430	370	181	142	107	120	204	390	564	538	321	60	31
82	20	36	126	329	272	289	154	104	80	93	161	328	411	368	228	41	20
83	12	20	68	229	161	216	131	86	36	80	134	242	308	273	139	26	12
84	4	7	33	159	88	175	91	61	12	46	84	186	206	201	74	12	4
85	1	1	13	92	48	130	60	30	3	19	62	151	135	138	30	3	1
86	0	1	4	37	25	98	20	4	0	4	38	102	79	73	10	2	0
87	0	0	3	7	13	45	7	1	0	1	13	52	38	17	4	1	0
88	0	0	2	5	6	10	2	0	0	0	3	19	10	6	3	0	0
89	0	0	2	4	3	3	1	0	0	0	1	5	5	4	3	0	0
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

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94	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
96	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
98	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
100	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
102	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
104	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
106	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
108	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
110	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
112	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
114	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
116	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
118	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
120	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
122	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
124	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

Laboratory: Standard-Tech Co. Ltd Testing Center
NVLAP CODE: 201011-0

Report Format Number STD/QR4909-A/2

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126	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
128	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
130	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
132	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
134	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
136	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
138	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
140	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
142	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
144	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
146	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
148	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
150	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
152	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
154	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
156	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

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158	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
160	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
162	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
164	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
166	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
168	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
170	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
172	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
174	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
176	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
178	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
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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BUG Rating:B2-U0-G2

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	813.43	9.1
FM - Front-Medium(30-60)	2769.1	30.8
FH - Front-High(60-80)	2238.4	24.9
FVH - Front-Very High(80-90)	53.804	0.6
Total Forward Light	5874.7	65.4

BL - Back-Low(0-30)	651.63	7.3
BM - Back-Medium(30-60)	1466.8	16.3
BH - Back-High(60-80)	936.41	10.4
BVH - Back-Very High(80-90)	50.594	0.6
Total Back Light	3105.4	34.6

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B2-U0-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5874.7	0	5874.7
Street Side	3105.4	0	3105.4

3. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Next Calibration Date
EE-09	Goniophotometer system	2015-07-01	2016-06-30
D908S	Standard Lamp	2015-07-01	2016-06-30
PF210	Power Meter for Goniophotometer	2015-07-01	2016-06-30
Uncertainty Photometric Measurement (Sphere):1.74% Chromaticity Measurement(Sphere):14.3K Photometric Measurement(Goniophotometer):1.62%			

******* END OF DATASHEET PACKAGE *******