



Report No.:GZE151038-01T

NVLAP LAB CODE 201011-0

LM-79-08 Test Report

For

SIMKAR CORPORATION

(Brand Name: )

LED Lamp

Model name(s): SALXS550U1

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.	GZE151038-01T
Laboratory Contact Name	Tommy Liang

Product Information:

Organization Name	SIMKAR CORPORATION	
Brand Name		
Model Number	SALXS550U1	
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	72.56	W
Input Current	0.2985	A
Input Voltage (ac)	277.0	V
Power Factor	0.8775	
Off-State Power	0	W

Photometric Characteristics

Total Initial Lumen Output	9250.4	lm
Initial Lumen Efficacy	127.49	lm/w
Correlated color temperature / CCT	--	K
Color rendering index / CRI	--	
R9 Value	--	
Duv	--	
Luminous Intensity Distribution		
Center beam candlepower (if applicable)	3452	cd
Beam angle (if applicable)	102	°
Zonal lumens in the 0°-60° zone	89	%
Zonal lumens in the 60°-90° zone	11	%
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	
Model Number	SALXS550U1
Luminaire Type	LED Lamp
Rated Voltage / Frequency	277Vac, 60Hz
Nominal Power	85W
Rated Initial Lamp Lumen	N/A
Declared CCT	5000K
IES	Type VS - Very Short
LED Manufacturer	NICHIA
LED Model	219C D320 5000K RA70
Power Supply:	EUG-075S175DT 120-277V
Sample Receipt Date	Oct.21,2015
Sample Number	GZE151038-01T1

Photo



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2.1 Electrical, Photometric and Chromaticity Measurements (Refer to Work Instruction QD25)	IES LM-79 2008
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Test date	2015-10-22	Test Ambient:	25.1°C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	SALXS550U1		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
GZE151038 -01T1	277.0	60	0.2985	72.56	0.8775	17.68

Goniophotometer Method:

Parameter	Result
Test Voltage (V)	277.0
Frequency (Hz)	60
Total Luminous (lm)	9250.4
Luminous Efficacy (lm/W)	127.49
Beam Angle°	102
Center Beam Candle Power (cd)	3452

Zonal Lumen Tabulation:

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-5	82.6	0.9%	90-95	0	0%
5-10	248.6	2.7%	95-100	0	0%
10-15	416.0	4.5%	100-105	0	0%
15-20	579.7	6.3%	105-110	0	0%
20-25	730.8	7.9%	110-115	0	0%
25-30	855.4	9.2%	115-120	0	0%
30-35	939.5	10.2%	120-125	0	0%
35-40	973.8	10.5%	125-130	0	0%
40-45	971.7	10.5%	130-135	0	0%
45-50	930.5	10.1%	135-140	0	0%
50-55	831.5	9.0%	140-145	0	0%
55-60	677.1	7.3%	145-150	0	0%
60-65	497.1	5.4%	150-155	0	0%
65-70	301.8	3.3%	155-160	0	0%
70-75	137.3	1.5%	160-165	0	0%
75-80	56.1	0.6%	165-170	0	0%
80-85	18.7	0.2%	170-175	0	0%
85-90	2.1	0.0%	175-180	0	0%

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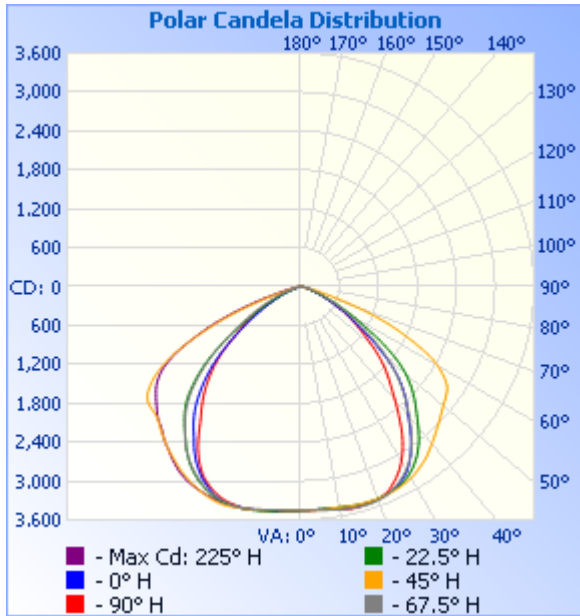
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Photometric Data



Flood Summary				
	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	97.8%	9,043.6	133.9	132.1
Beam (50%):	82.1%	7,597.8	95.3	102
Total:	100%	9,247.7		

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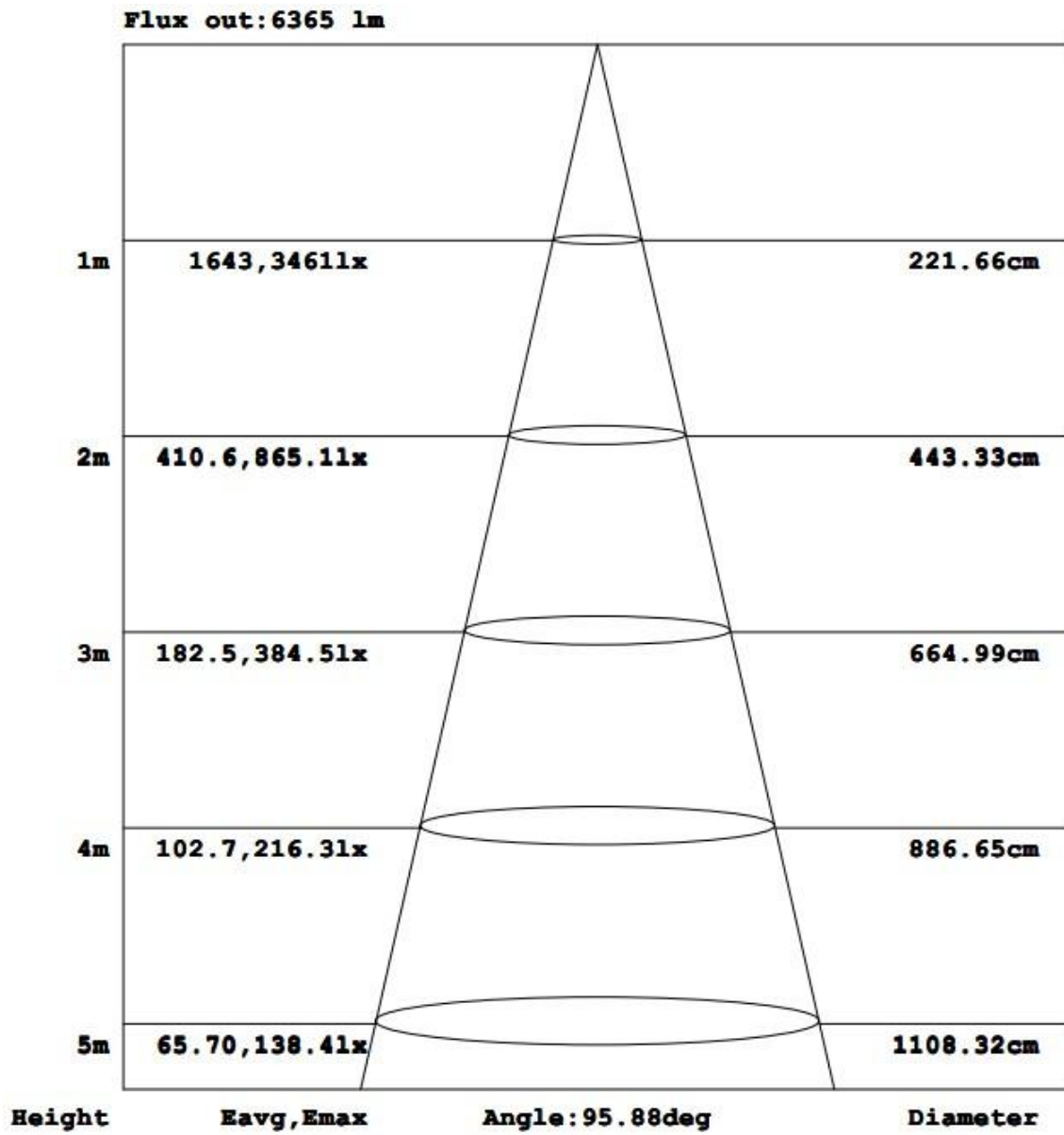
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Illuminance Plots



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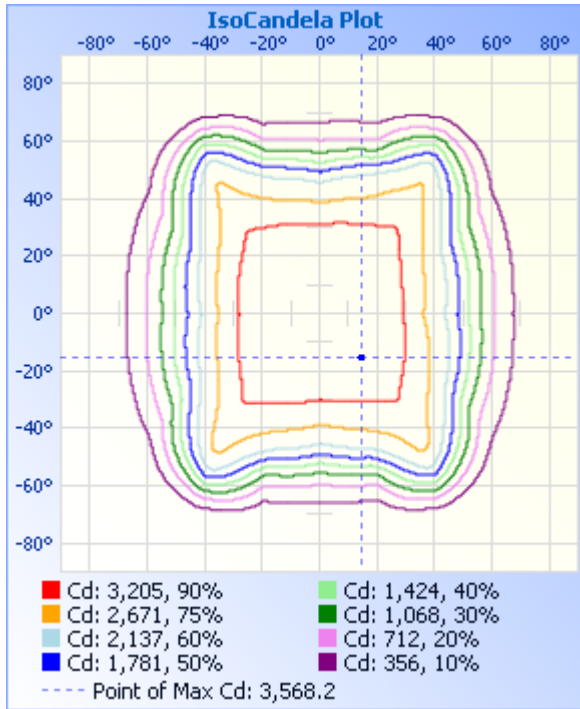
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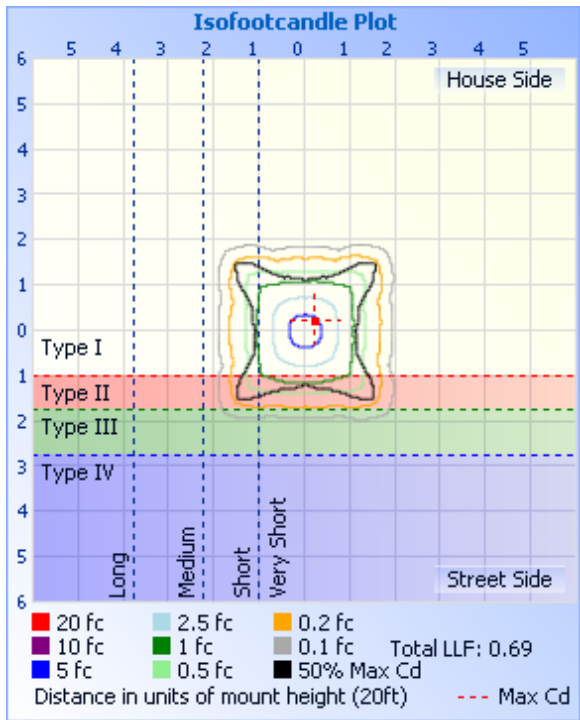
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ISOCANDELA DIAGRAM



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	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452	3452
1	3452	3449	3451	3451	3451	3452	3455	3453	3450	3456	3453	3453	3453	3451	3454	3451	3452
2	3448	3448	3453	3451	3450	3452	3456	3455	3452	3460	3455	3454	3455	3453	3459	3452	3448
3	3447	3448	3452	3453	3451	3452	3457	3458	3453	3461	3457	3452	3456	3454	3463	3454	3447
4	3447	3448	3453	3456	3453	3457	3462	3461	3456	3466	3457	3454	3456	3455	3465	3456	3447
5	3446	3446	3451	3461	3457	3463	3466	3466	3463	3471	3460	3458	3458	3456	3468	3456	3446
6	3448	3443	3452	3465	3463	3469	3472	3474	3473	3478	3462	3462	3459	3458	3474	3456	3448
7	3452	3444	3450	3471	3469	3477	3482	3484	3479	3489	3467	3466	3466	3464	3476	3456	3452
8	3455	3447	3448	3479	3478	3485	3490	3494	3486	3497	3478	3473	3475	3472	3483	3461	3455
9	3461	3450	3450	3485	3486	3494	3499	3501	3491	3504	3491	3481	3486	3482	3489	3463	3461
10	3465	3454	3455	3493	3493	3504	3511	3507	3499	3511	3499	3489	3496	3490	3496	3469	3465
11	3471	3458	3460	3499	3500	3511	3523	3511	3507	3518	3508	3498	3506	3499	3507	3476	3471
12	3476	3462	3466	3505	3508	3516	3532	3516	3512	3523	3516	3510	3517	3504	3516	3482	3476
13	3481	3468	3471	3507	3514	3519	3541	3518	3519	3526	3523	3517	3522	3507	3526	3492	3481
14	3487	3475	3474	3509	3516	3521	3549	3520	3526	3530	3528	3524	3526	3512	3532	3499	3487
15	3489	3480	3475	3514	3514	3521	3555	3523	3526	3537	3534	3531	3525	3513	3537	3505	3489
16	3491	3482	3477	3515	3508	3520	3558	3528	3529	3538	3542	3531	3521	3510	3539	3510	3491
17	3492	3484	3479	3515	3503	3516	3559	3528	3531	3537	3552	3531	3516	3506	3542	3513	3492
18	3491	3484	3481	3516	3498	3511	3558	3530	3533	3532	3560	3527	3509	3498	3543	3516	3491
19	3488	3484	3481	3513	3494	3507	3557	3529	3531	3531	3565	3524	3502	3490	3542	3515	3488
20	3487	3480	3481	3506	3486	3506	3558	3525	3521	3527	3568	3517	3488	3481	3541	3513	3487
21	3482	3475	3477	3497	3474	3499	3556	3517	3504	3519	3564	3505	3471	3469	3537	3508	3482
22	3478	3471	3475	3485	3456	3493	3556	3505	3485	3507	3558	3491	3450	3459	3534	3503	3478
23	3468	3464	3469	3466	3431	3481	3560	3489	3463	3493	3549	3475	3424	3446	3529	3495	3468
24	3453	3457	3463	3447	3404	3461	3559	3474	3430	3474	3539	3458	3396	3433	3525	3482	3453
25	3433	3448	3457	3423	3362	3438	3553	3458	3397	3453	3525	3441	3366	3408	3518	3468	3433
26	3412	3435	3452	3394	3319	3413	3540	3440	3364	3425	3512	3412	3331	3377	3511	3452	3412
27	3387	3417	3443	3363	3276	3378	3524	3413	3331	3398	3499	3383	3290	3341	3501	3435	3387
28	3355	3398	3431	3333	3224	3343	3504	3387	3286	3371	3481	3355	3243	3304	3493	3418	3355
29	3318	3372	3419	3298	3168	3308	3483	3360	3239	3338	3465	3322	3185	3267	3483	3392	3318

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30	3276	3344	3408	3258	3107	3268	3462	3324	3188	3303	3447	3287	3124	3223	3471	3362	3276
31	3228	3312	3393	3215	3040	3224	3441	3286	3134	3264	3426	3251	3057	3177	3456	3325	3228
32	3174	3274	3371	3163	2968	3174	3420	3244	3074	3222	3405	3211	2984	3126	3436	3285	3174
33	3112	3234	3346	3109	2891	3119	3399	3195	3010	3173	3383	3165	2904	3072	3415	3241	3112
34	3046	3189	3324	3051	2808	3056	3375	3142	2941	3121	3360	3118	2820	3013	3391	3194	3046
35	2975	3141	3301	2987	2719	2989	3354	3083	2869	3069	3334	3073	2731	2948	3361	3144	2975
36	2900	3085	3278	2917	2623	2917	3335	3022	2805	3010	3307	3024	2645	2880	3333	3088	2900
37	2821	3028	3249	2840	2528	2841	3314	2960	2746	2949	3286	2959	2566	2810	3302	3027	2821
38	2739	2964	3215	2758	2439	2764	3288	2908	2687	2893	3261	2893	2494	2738	3270	2965	2739
39	2657	2893	3184	2681	2347	2686	3255	2863	2620	2841	3235	2831	2431	2666	3238	2902	2657
40	2582	2822	3154	2607	2256	2608	3225	2817	2550	2787	3209	2773	2362	2594	3211	2840	2582
41	2510	2750	3121	2525	2170	2526	3194	2767	2478	2732	3181	2715	2297	2531	3184	2781	2510
42	2447	2681	3092	2447	2090	2446	3166	2709	2398	2678	3152	2654	2226	2464	3151	2725	2447
43	2379	2616	3061	2372	2018	2367	3139	2646	2309	2619	3124	2592	2156	2388	3116	2664	2379
44	2307	2552	3029	2295	1947	2291	3115	2580	2219	2557	3097	2521	2082	2314	3078	2604	2307
45	2229	2492	3003	2216	1878	2213	3092	2512	2131	2483	3065	2441	2007	2239	3050	2549	2229
46	2150	2425	2975	2134	1803	2132	3067	2437	2039	2400	3032	2357	1924	2163	3027	2496	2150
47	2064	2359	2947	2047	1723	2051	3044	2354	1943	2309	3007	2268	1847	2080	3004	2442	2064
48	1971	2289	2920	1959	1644	1968	3026	2268	1838	2214	2990	2172	1760	1996	2972	2384	1971
49	1869	2214	2896	1867	1561	1881	3015	2173	1729	2114	2977	2068	1672	1910	2937	2315	1869
50	1757	2135	2870	1775	1477	1793	3003	2070	1619	2012	2975	1962	1584	1822	2899	2240	1757
51	1644	2047	2847	1684	1385	1702	2989	1952	1506	1902	2971	1858	1481	1726	2863	2151	1644
52	1532	1950	2830	1592	1301	1609	2980	1831	1389	1776	2962	1747	1374	1630	2829	2057	1532
53	1404	1843	2805	1487	1222	1514	2966	1701	1277	1646	2949	1632	1273	1534	2795	1950	1404
54	1284	1713	2785	1383	1146	1415	2942	1563	1171	1515	2922	1515	1188	1420	2760	1831	1284
55	1172	1583	2759	1283	1073	1317	2902	1424	1068	1381	2885	1399	1114	1312	2722	1684	1172
56	1072	1453	2723	1186	1009	1229	2849	1286	972	1242	2824	1285	1047	1218	2679	1536	1072
57	988	1318	2667	1098	947	1147	2789	1158	877	1112	2756	1178	983	1130	2625	1375	988
58	911	1193	2602	1015	881	1067	2719	1043	794	993	2679	1080	916	1050	2566	1222	911
59	840	1078	2527	935	821	985	2637	935	718	890	2585	988	850	971	2493	1091	840
60	770	975	2449	858	760	909	2545	836	651	799	2479	905	775	895	2403	978	770
61	697	879	2348	790	693	832	2437	749	591	715	2353	828	689	820	2299	873	697

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62	626	791	2221	725	629	757	2302	665	527	634	2210	753	599	741	2180	780	626
63	558	705	2077	659	569	680	2152	586	466	555	2046	680	525	662	2037	692	558
64	496	619	1927	594	514	611	1980	514	414	482	1875	608	470	585	1880	612	496
65	443	539	1778	531	464	540	1797	443	369	417	1695	538	427	518	1726	538	443
66	397	463	1629	473	419	475	1607	382	326	356	1521	474	389	460	1573	472	397
67	355	397	1481	420	382	418	1417	336	282	310	1339	420	358	410	1419	415	355
68	313	344	1306	372	346	366	1220	294	240	268	1152	371	330	363	1253	365	313
69	274	298	1125	328	316	316	1024	240	202	218	964	326	306	322	1085	320	274
70	238	259	934	287	289	270	836	205	160	183	783	282	282	287	917	276	238
71	212	223	756	251	256	229	659	175	132	155	623	236	260	247	750	234	212
72	196	191	592	220	230	193	507	150	107	133	487	202	239	217	599	196	196
73	186	168	463	186	210	162	384	129	88	111	375	173	218	191	477	166	186
74	178	151	367	164	185	140	273	112	67	96	260	148	196	167	381	146	178
75	145	139	301	146	134	122	201	96	55	82	196	127	151	148	304	133	145
76	134	128	250	129	111	106	158	79	46	72	156	109	118	132	241	120	134
77	127	115	203	114	98	90	118	67	40	62	125	92	102	117	189	105	127
78	122	103	160	100	89	77	92	55	33	52	101	79	91	103	152	93	122
79	111	94	135	89	78	67	71	42	27	40	81	69	80	91	123	82	111
80	99	86	94	76	65	57	45	33	20	32	57	58	69	77	91	73	99
81	64	78	52	64	48	48	30	22	8	23	33	48	53	65	51	66	64
82	46	71	36	53	37	40	23	11	1	12	23	39	39	54	35	57	46
83	34	62	29	43	30	32	16	4	0	4	16	31	31	44	27	50	34
84	24	48	23	34	23	24	10	1	0	1	10	25	24	36	21	40	24
85	15	23	17	24	17	17	5	0	0	0	5	16	18	28	16	20	15
86	8	14	11	13	11	9	1	0	0	0	1	10	12	16	11	11	8
87	3	4	5	7	6	4	0	0	0	0	0	5	6	8	5	4	3
88	0	0	1	2	1	0	0	0	0	0	0	1	1	2	1	0	0
89	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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

Address: 8th floor, Block B, No. 11 Caipin Road, Guangzhou Science City, Tianhe, Guangzhou 510663, China

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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

BUG Rating:B3-U0-G1

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1453.1	15.7
FM - Front-Medium(30-60)	2669.6	28.9
FH - Front-High(60-80)	518.42	5.6
FVH - Front-Very High(80-90)	14.213	0.2
Total Forward Light	4655.4	50.3

BL - Back-Low(0-30)	1459.9	15.8
BM - Back-Medium(30-60)	2654.9	28.7
BH - Back-High(60-80)	473.68	5.1
BVH - Back-Very High(80-90)	6.5597	0.1
Total Back Light	4595	49.7

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	B3-U0-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4655.4	0	4655.4
Street Side	4595	0	4595

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 *******