



Report No.: BLC2009007E-H

LM-79-08 Test Report

For

LEDVANCE LLC

(Brand Name: SYLVANIA)

200 Ballardvale St. Wilmington, MA 01887 USA

LED Corn Lamp

Model name(s): LED100HIDRSC2MOG

Representative (Tested) Model:
LED100HIDRSC2MOG(3000K)
LED100HIDRSC2MOG(4000K)
LED100HIDRSC2MOG(5000K)

Model Different: All construction and rating are the same, except CCT

Test & Report By:

Grace Li

Engineer: Grace Li

Date: 2020-09-11

Review By:


Jason Luo

Manager: Jason Luo



Report No.: BLC2009007E-H

1.1 Product Information:

Organization Name	LEDVANCE LLC		
Brand Name	SYLVANIA		
Model Number	LED100HIDRSC2MOG		
SKU (if available)	N/A		
Type of Product (for integral lamps, list base type and lamp type)	LED Corn Lamp		
Rated Voltage / Frequency	100-277Vac, 50/60 Hz		
Nominal Power	100W		
Rated Initial Lamp Lumen	--		
Declared CCT	3000K, 4000K, 5000K		
LED Manufacturer	Lumileds		
LED Model	L128-XX80RA35000H1		
Sample Number	BLC2009007E-H1(3000K), H2(4000K), H3(5000K)		
Luminaire Aperture (for downlights)	--		in.
Luminaire Length	--		mm
Luminaires Width	--		mm
Number of Units (modular products)	N/A		s
Photo			
			



Report No.: BLC2009007E-H

1.2 Test Specifications:

Date of Receipt	2020-09-07
Date of Test	2020-09-11
Test item	<ol style="list-style-type: none">1. Total Luminous Flux2. Luminous Distribution Intensity3. Luminous Efficacy4. Correlated Color Temperature5. Color Rendering Index6. Chromaticity Coordinate7. Electrical Parameters
Reference Standard	<ol style="list-style-type: none">1. IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products2. ANSI C78.377-2008 Specifications for the Chromaticity of Solid State Lighting Products3. CIE 13.3-1995 Method of Measuring and Specifying Colour Rendering Properties of Light Sources4. CIE 15-2004 Technical Report Colorimetry5. IESNA LM-16-93 Practical Guide to Colorimetry of Light Source6. IESNA TM-16-05 Technical Memorandum on Light Emitting Diode (LED) Sources and Systems
Reference Work Instruction	BL-QP-033

1.3 Test Methods

1) Photometric and Light Distribution Measurement – Goniophotometer 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 120 or rated Volts 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.

2) Chromaticity Measurement – Sphere-Spectroradiometer Method:

Chromaticity parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was operated at 120 or rated Volts AC, 60Hz. It was stabilized before measurement was made. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral power distribution taken at 5 nm intervals over the range of 380 to 780 nm.

3) Electrical Measurements:

Electrical parameters were measured using power meters incorporated in goniophotometer or sphere-spectroradiometer system. The ambient temperature surrounding the sample was maintained at $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$. The sample was operated at 120 or rated Volts AC, 60Hz. It was stabilized before measurement was made. Voltage, frequency, current, power, power factor and total harmonic distortion were measured by and read from the power meter.



Report No.: BLC2009007E-H

2.1 Electrical, Photometric and Chromaticity Measurements

(Refer to Work Instruction BL-QP-033)

Test date	2020-09-12	Test Ambient:	25.2 ° C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	LED100HIDRSC2MOG(3000K)		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
BLC200900	120.1	60	0.862	102.85	0.993	7.13
7E-H1	277.1	60	0.408	103.73	0.918	14.79
DLC Pass Criteria					$\geq 0.9(-3\%)$	$\leq 20(+5)$

Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120.0	R1	80	R9	1
Frequency (Hz)	60	R2	92	R10	82
CCT (K)	2910	R3	94	R11	78
Duv	-0.0011	R4	79	R12	73
Chromaticity (x, y)	x=0.4417 y=0.4028	R5	81	R13	83
Chromaticity (u', v')	u(u')=0.2542 v'=0.5216	R6	91	R14	97
Color Rendering Index (CRI)	81	R7	79	R15	71
R9	1	R8	54	--	--
Rf	84				
Rg	95				
Rcs,h1(%)	-13				

Photometric Measurement – Goniophotometer Method:

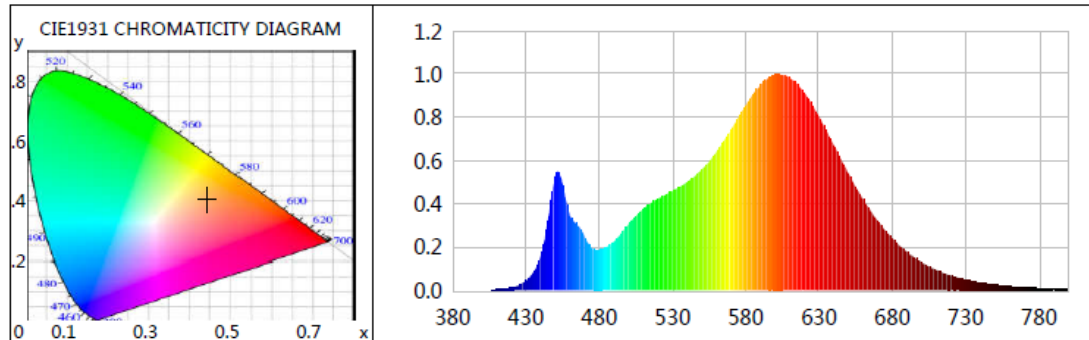
Parameter	Result	
Test Voltage (V)	120.0	277.0
Frequency (Hz)	60	60
Total Luminous (lm)	14452.3	14748.7
Luminous Efficacy (lm/W)	140.52	142.18
Most worst Luminous/Highest	139.33	
Beam Angle (°)	--	--
Center Beam Candle Power (cd)	393	--



Report No.: BLC2009007E-H

Certificate#4810.01

Spectral Power Distribution & Chromaticity Diagram



WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0007	0.2246	525	0.4411	136.2605	670	0.3201	98.8852
385	0.0002	0.0559	530	0.4579	141.4512	675	0.2769	85.5201
390	0.0002	0.0599	535	0.4753	146.8319	680	0.2397	74.0373
395	0.0004	0.1202	540	0.5004	154.5700	685	0.2059	63.6033
400	0.0007	0.2267	545	0.5249	162.1331	690	0.1767	54.5677
405	0.0012	0.3765	550	0.5578	172.3104	695	0.1509	46.6011
410	0.0026	0.7962	555	0.5940	183.4770	700	0.1291	39.8859
415	0.0055	1.6954	560	0.6399	197.6595	705	0.1101	34.0224
420	0.0117	3.6222	565	0.6904	213.2539	710	0.0936	28.9043
425	0.0230	7.0932	570	0.7441	229.8516	715	0.0786	24.2757
430	0.0441	13.6200	575	0.8010	247.4369	720	0.0675	20.8573
435	0.0823	25.4171	580	0.8573	264.8255	725	0.0572	17.6844
440	0.1565	48.3476	585	0.9052	279.6039	730	0.0486	15.0092
445	0.3241	100.1112	590	0.9511	293.8054	735	0.0408	12.6141
450	0.5299	163.6985	595	0.9818	303.2851	740	0.0358	11.0566
455	0.4906	151.5377	600	0.9972	308.0291	745	0.0301	9.3026
460	0.3485	107.6368	605	0.9972	308.0422	750	0.0263	8.1110
465	0.3033	93.6972	610	0.9852	304.3432	755	0.0216	6.6854
470	0.2470	76.2986	615	0.9546	294.8700	760	0.0186	5.7496
475	0.1941	59.9603	620	0.9123	281.8070	765	0.0151	4.6636
480	0.1863	57.5431	625	0.8601	265.6762	770	0.0134	4.1468
485	0.2013	62.1868	630	0.8019	247.7173	775	0.0107	3.2944
490	0.2241	69.2295	635	0.7392	228.3317	780	0.0090	2.7850
495	0.2633	81.3341	640	0.6715	207.4167	785	0.0076	2.3339
500	0.3054	94.3264	645	0.6034	186.3974	790	0.0078	2.3940
505	0.3423	105.7451	650	0.5399	166.7686	795	0.0060	1.8660
510	0.3768	116.3998	655	0.4780	147.6442	800	0.0045	1.3767
515	0.4004	123.6984	660	0.4213	130.1463			
520	0.4227	130.5572	665	0.3683	113.7658			

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01
Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Certificate#4810.01

Report No.: BLC2009007E-H

TM30

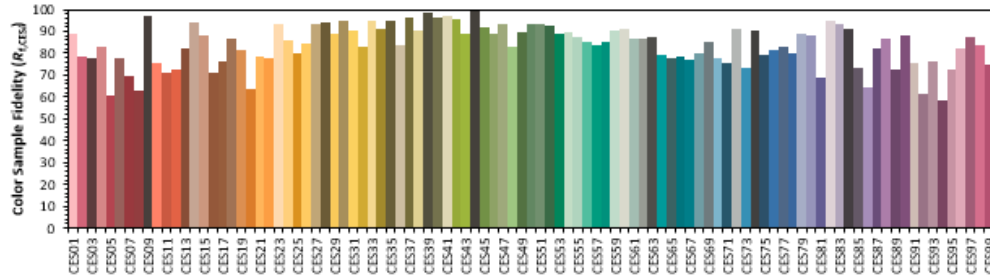
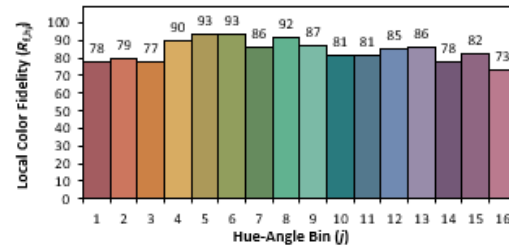
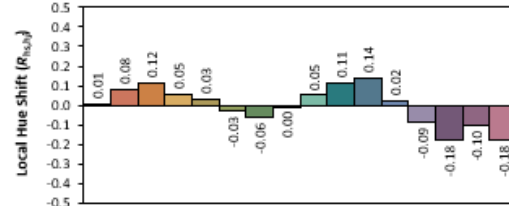
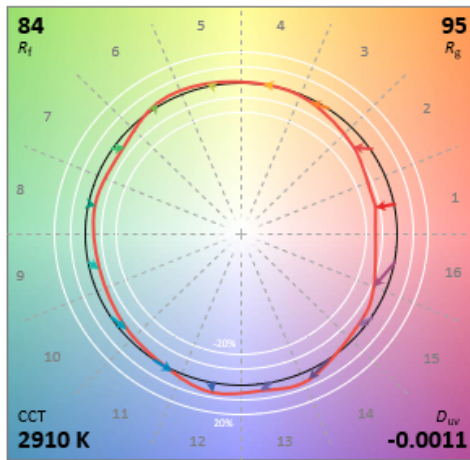
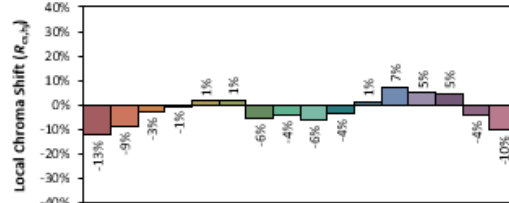
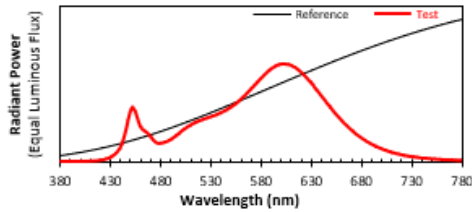
ANSI/IES TM-30-18 Color Rendition Report

Source: L128-3080RA35000H1

Manufacturer: ASMAIT LIGHT CO., LTD

Date: 2020/9/12

Model: LED100HIDRSC2MDG(3000K)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

\bar{x} 0.4417

\bar{y} 0.4028

\bar{u}' 0.2542

\bar{v}' 0.5216

CIE 13.3-1996
(CRI)

R_a 81

R_g -1

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



Report No.: BLC2009007E-H

Zonal Lumen Tabulation

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	537.4	3.7%	3.7%
0-40	1,156.2	8%	8%
0-60	3,282.9	22.7%	22.7%
60-90	4,446.3	30.8%	30.8%
70-100	4,637.9	32.1%	32.1%
90-120	4,296.2	29.7%	29.7%
0-90	7,729.2	53.5%	53.5%
90-180	6,724.1	46.5%	46.5%
0-180	14,453.3	100%	100%

Lumens Per Zone

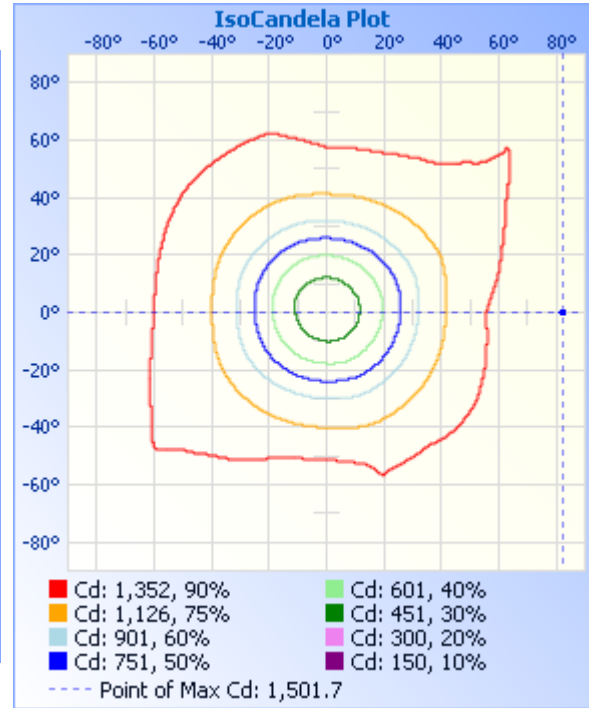
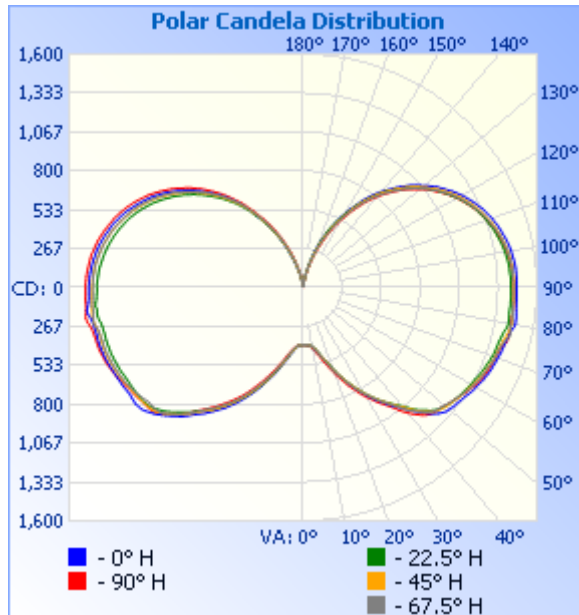
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	39.2	0.3%	90-100	1,560.9	10.8%
10-20	150.2	1.0%	100-110	1,460.9	10.1%
20-30	347.9	2.4%	110-120	1,274.4	8.8%
30-40	618.8	4.3%	120-130	1,019.3	7.1%
40-50	938.1	6.5%	130-140	726.4	5%
50-60	1,188.6	8.2%	140-150	436.0	3%
60-70	1,369.2	9.5%	150-160	194.7	1.3%
70-80	1,502.5	10.4%	160-170	48.4	0.3%
80-90	1,574.5	10.9%	170-180	3.1	0%



Certificate#4810.01

Report No.: BLC2009007E-H

Photometric Data





Report No.: BLC2009007E-A

Certificate#4810.01

Candela Table - Type C

						112.	157.			202.		247.		292.		337.	
	0	22.5	45	67.5	90	5	135	5	180	5	225	5	270	5	315	5	360
0	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393	393
1	391	391	391	392	393	392	394	393	394	393	394	393	393	393	393	392	391
2	392	391	392	393	392	393	395	394	395	393	394	395	393	394	395	391	392
3	393	392	394	393	395	395	397	396	396	394	395	397	394	394	394	394	393
4	393	393	394	394	395	396	398	398	399	397	398	397	396	396	395	394	393
5	393	392	394	396	398	399	403	402	404	401	401	400	399	397	397	395	393
6	398	395	396	397	401	403	408	408	409	409	407	405	403	402	399	398	398
7	401	400	401	401	407	410	414	418	418	416	412	411	409	405	403	402	401
8	404	403	405	405	414	418	426	428	428	426	425	421	415	413	410	407	404
9	412	411	412	413	422	428	436	438	442	438	434	431	427	420	418	414	412
10	421	420	420	424	435	444	449	455	452	453	449	444	433	432	430	424	421
11	431	429	431	434	445	455	464	470	471	465	462	454	447	438	437	432	431
12	443	440	439	446	464	472	479	485	491	482	477	472	462	455	452	448	443
13	455	456	456	462	476	491	496	505	507	501	495	490	475	469	466	460	455
14	474	467	472	476	494	506	515	525	524	518	515	507	493	485	478	474	474
15	489	487	487	493	514	525	537	546	545	537	536	526	513	503	499	494	489
16	505	506	505	512	535	548	560	566	568	561	556	545	532	522	521	514	505
17	526	526	527	532	554	571	582	587	593	583	578	568	552	542	540	531	526
18	548	543	548	555	576	590	600	612	617	604	599	590	576	563	559	553	548
19	570	565	572	581	598	610	621	636	638	626	622	615	599	587	580	576	570
20	596	589	595	601	621	637	648	657	661	648	646	636	620	608	604	599	596
21	618	615	617	623	645	657	674	681	682	676	672	660	641	629	630	625	618
22	641	639	640	646	668	682	696	707	707	702	696	682	666	650	652	650	641
23	666	662	663	670	691	704	720	733	735	726	721	707	691	673	676	674	666
24	692	688	689	693	717	728	745	758	761	749	744	732	715	696	700	698	692
25	717	712	714	716	743	752	770	783	786	772	769	759	740	722	724	722	717
26	742	735	737	741	767	778	796	808	811	798	794	781	763	744	749	746	742
27	767	759	760	768	790	803	820	833	838	824	819	805	790	767	773	769	767
28	792	783	787	794	817	827	844	858	861	848	844	830	817	791	797	793	792
29	820	807	813	816	842	848	869	884	888	869	867	858	843	817	819	819	820

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

30	844	832	838	841	866	866	889	910	912	891	893	881	866	843	844	843	844
31	868	858	857	859	887	890	911	933	935	913	915	905	888	865	869	869	868
32	894	881	882	885	911	913	934	956	959	937	938	927	912	882	893	894	894
33	917	905	906	908	936	934	956	977	983	959	960	950	934	903	916	917	917
34	940	928	930	933	958	954	977	998	1004	981	983	971	958	924	939	942	940
35	964	950	951	954	980	975	1000	1023	1026	1003	1005	994	980	945	962	967	964
36	989	973	974	979	1005	998	1023	1045	1048	1025	1030	1016	1006	967	983	989	989
37	1012	994	999	1003	1030	1024	1047	1065	1070	1046	1050	1039	1028	985	1004	1011	1012
38	1035	1016	1021	1030	1064	1052	1072	1086	1093	1065	1070	1058	1050	1007	1026	1035	1035
39	1058	1040	1046	1059	1094	1082	1098	1111	1112	1084	1090	1078	1074	1028	1046	1054	1058
40	1083	1061	1071	1091	1122	1107	1123	1136	1134	1103	1112	1104	1097	1046	1068	1079	1083
41	1110	1090	1099	1115	1147	1130	1148	1162	1156	1123	1139	1130	1121	1066	1091	1105	1110
42	1140	1120	1127	1138	1171	1150	1174	1185	1181	1149	1162	1155	1150	1090	1119	1132	1140
43	1166	1145	1155	1163	1194	1172	1197	1210	1208	1169	1183	1181	1175	1115	1146	1161	1166
44	1192	1168	1179	1183	1213	1193	1219	1233	1227	1188	1208	1203	1203	1141	1174	1187	1192
45	1218	1188	1202	1205	1228	1208	1242	1255	1244	1208	1228	1223	1227	1166	1197	1213	1218
46	1243	1211	1224	1224	1237	1218	1260	1275	1265	1230	1248	1246	1252	1187	1221	1239	1243
47	1265	1230	1241	1234	1243	1226	1274	1295	1284	1248	1269	1267	1275	1208	1244	1262	1265
48	1281	1245	1253	1244	1247	1231	1286	1314	1304	1268	1288	1285	1295	1227	1262	1282	1281
49	1295	1257	1262	1251	1254	1237	1292	1332	1325	1283	1305	1299	1312	1246	1277	1298	1295

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

50	130 2	126 6	127 2	125 9	126 3	1241	129 5	1340	134 1	1299	131 9	1309	1326	1261	128 8	1306	130 2
51	130 8	127 4	127 9	126 8	127 1	1246	129 9	1346	135 6	1315	132 9	1311	1336	1270	129 5	1314	130 8
52	131 5	128 4	128 5	127 6	127 8	1251	130 6	1350	137 2	1325	133 7	1313	1341	1275	129 9	1320	131 5
53	131 8	128 8	129 1	128 6	128 5	1257	131 1	1356	138 4	1333	134 1	1315	1343	1279	130 4	1325	131 8
54	132 4	129 3	130 0	129 3	129 4	1263	131 6	1362	139 1	1341	134 5	1321	1347	1282	131 0	1328	132 4
55	133 0	129 8	130 7	130 1	130 3	1266	132 1	1367	139 6	1347	135 0	1329	1352	1282	131 6	1330	133 0
56	133 7	130 5	131 3	131 0	131 1	1274	132 9	1373	139 5	1348	135 4	1338	1358	1285	132 3	1338	133 7
57	134 4	131 0	131 8	131 9	132 3	1279	133 5	1379	139 5	1348	135 9	1346	1362	1287	133 0	1345	134 4
58	135 3	131 4	132 4	132 8	133 3	1289	134 2	1384	139 3	1351	136 3	1353	1368	1290	133 5	1350	135 3
59	136 0	132 0	133 0	133 5	134 0	1296	134 8	1389	139 5	1353	136 9	1360	1373	1291	133 9	1358	136 0
60	136 6	132 4	133 6	134 2	134 9	1303	135 8	1392	139 8	1355	137 2	1366	1378	1294	134 7	1363	136 6
61	137 2	133 0	134 2	134 9	135 8	1310	136 4	1399	140 5	1357	137 8	1371	1386	1298	135 0	1369	137 2
62	137 9	133 4	135 0	135 6	136 7	1316	137 0	1403	140 7	1359	138 3	1380	1394	1302	135 4	1376	137 9
63	138 6	134 2	135 7	136 3	137 3	1320	137 6	1408	141 0	1361	138 9	1384	1402	1305	136 0	1383	138 6
64	138 9	134 7	136 3	136 8	137 8	1326	138 4	1412	141 3	1366	139 3	1389	1411	1311	136 6	1389	138 9
65	139 6	135 3	136 9	137 2	138 3	1331	138 7	1417	141 5	1370	139 8	1393	1418	1314	137 2	1394	139 6
66	140 1	135 7	137 3	137 7	138 7	1336	139 1	1421	141 9	1374	140 3	1397	1424	1319	137 3	1401	140 1
67	140 4	136 2	137 9	138 3	139 1	1340	139 3	1425	142 4	1377	140 7	1402	1429	1324	137 9	1406	140 4

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

68	140 9	136 7	138 5	138 9	139 4	1344	139 6	1428	142 8	1380	141 1	1405	1435	1329	138 5	1410	140 9
69	141 2	137 2	139 1	139 4	139 8	1347	140 0	1430	143 2	1383	141 5	1408	1442	1332	138 8	1415	141 2
70	141 6	137 7	139 5	139 7	140 1	1350	140 4	1433	143 7	1385	141 9	1411	1446	1335	139 1	1419	141 6
71	142 1	138 2	139 7	140 1	140 5	1351	140 7	1438	143 9	1390	142 2	1415	1450	1338	139 4	1425	142 1
72	142 6	138 4	140 1	140 4	140 8	1357	141 1	1443	144 2	1391	142 4	1418	1454	1340	139 7	1430	142 6
73	142 8	138 6	140 5	140 9	141 6	1362	141 3	1445	144 4	1391	142 6	1419	1459	1342	140 1	1435	142 8
74	143 0	138 8	141 1	141 6	142 9	1368	141 7	1448	144 7	1393	142 7	1421	1460	1345	140 3	1437	143 0
75	143 4	139 3	141 5	142 6	144 1	1381	142 0	1450	144 9	1395	142 8	1421	1462	1349	140 7	1442	143 4
76	144 0	139 8	142 5	144 2	144 7	1392	142 8	1453	144 8	1395	142 9	1424	1462	1347	141 0	1446	144 0
77	144 6	140 3	143 1	145 4	144 5	1390	144 3	1454	144 9	1395	142 9	1427	1465	1349	141 1	1449	144 6
78	145 2	141 1	143 9	144 9	144 7	1390	144 9	1459	145 0	1399	143 3	1430	1470	1352	141 4	1454	145 2
79	146 3	142 2	144 5	144 4	144 6	1384	145 1	1468	145 4	1400	143 9	1439	1474	1356	142 0	1460	146 3
80	147 4	142 6	145 0	144 7	144 2	1386	144 8	1479	145 7	1404	144 8	1450	1484	1364	143 0	1475	147 4
81	147 2	142 4	145 0	144 4	144 1	1385	144 5	1481	146 2	1415	145 3	1453	1497	1374	144 1	1480	147 2
82	147 3	142 4	144 5	144 5	144 2	1388	144 3	1478	147 1	1420	145 5	1449	150 2	1378	144 2	1477	147 3
83	146 8	142 2	144 5	144 7	144 4	1387	144 2	1479	148 5	1421	145 4	1445	1498	1380	144 1	1479	146 8
84	146 7	142 1	144 2	144 3	144 4	1382	144 1	1477	148 8	1420	145 2	1445	1495	1378	143 8	1472	146 7
85	146 5	142 3	144 1	144 2	144 4	1382	144 2	1478	148 0	1427	145 0	1449	1490	1376	144 0	1471	146 5

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

86	146 3	142 2	144 3	144 3	144 6	1384	144 3	1477	147 4	1422	144 9	1445	1491	1377	143 8	1467	146 3
87	146 4	142 3	144 1	144 5	144 3	1383	143 8	1471	147 0	1416	144 8	1443	1493	1378	143 9	1468	146 4
88	146 3	142 3	144 0	144 1	144 1	1383	144 1	1469	146 8	1414	144 7	1441	1490	1374	143 4	1469	146 3
89	146 2	142 2	144 2	144 2	144 1	1384	144 0	1468	146 7	1411	144 6	1441	1489	1373	143 2	1468	146 2
90	146 2	142 1	144 1	144 3	144 2	1384	143 9	1468	146 7	1412	144 6	1441	1489	1371	143 3	1469	146 2
91	146 2	142 1	144 1	144 2	144 2	1383	143 9	1466	146 6	1411	144 2	1440	1489	1372	143 3	1469	146 2
92	146 3	142 2	144 3	144 1	144 0	1380	143 7	1464	146 4	1409	144 2	1439	1487	1372	143 1	1469	146 3
93	146 3	142 1	144 1	143 9	143 7	1380	143 3	1463	146 2	1406	144 1	1437	1486	1370	143 1	1468	146 3
94	146 1	141 9	144 0	143 8	143 7	1378	143 3	1460	146 0	1405	143 7	1435	1483	1369	143 1	1468	146 1
95	146 0	141 8	143 9	143 8	143 5	1376	143 0	1457	145 7	1402	143 5	1433	1479	1367	142 7	1466	146 0
96	145 9	141 7	143 9	143 5	143 2	1372	142 6	1453	145 4	1398	143 2	1430	1476	1365	142 5	1463	145 9
97	145 6	141 4	143 4	143 2	142 9	1369	142 2	1448	145 0	1393	142 8	1426	1472	1363	142 3	1462	145 6
98	145 3	141 1	143 2	143 0	142 6	1364	141 7	1444	144 5	1388	142 3	1422	1469	1358	142 0	1458	145 3
99	144 9	140 6	142 8	142 5	142 0	1359	141 1	1439	144 0	1383	141 7	1417	1466	1357	141 6	1454	144 9
100	144 6	140 3	142 3	142 0	141 6	1355	140 6	1433	143 6	1378	141 2	1410	1458	1352	141 1	1450	144 6
101	144 1	139 9	141 9	141 7	141 1	1350	140 2	1426	143 0	1372	140 7	1405	1453	1347	140 7	1447	144 1
102	143 6	139 4	141 3	141 2	140 5	1345	139 5	1420	142 4	1366	140 1	1399	1447	1342	140 2	1442	143 6
103	143 0	138 8	140 9	140 6	139 8	1337	138 8	1414	141 6	1359	139 2	1392	1440	1338	139 8	1435	143 0

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People' s Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

10	142	138	140	140	139	1331	138	1404	140	1351	138	1383	1432	1332	139	1429	142
4	4	3	2	0	1		0		9		5				0		4
10	141	137	139	139	138	1324	137	1396	140	1344	137	1376	1424	1326	138	1423	141
5	6	6	5	3	3		3		1		7				4		6
10	141	136	138	138	137	1317	136	1388	139	1336	137	1370	1416	1319	137	1414	141
6	0	9	9	4	8		4		2		0				6		0
10	140	136	138	137	137	1308	135	1380	138	1327	136	1361	1407	1312	136	1408	140
7	4	4	1	6	1		6		4		1				7		4
10	139	135	137	136	136	1301	134	1370	137	1318	135	1350	1397	1305	136	1400	139
8	5	5	4	8	0		7		6		2				0		5
10	138	134	136	135	135	1293	133	1358	136	1308	134	1341	1388	1299	135	1391	138
9	7	6	7	9	1		7		7		1				1		7
11	137	133	135	135	134	1284	132	1348	135	1299	133	1331	1379	1290	134	1382	137
0	9	9	5	0	3		7		6		1				3		9
11	137	133	134	134	133	1275	131	1338	134	1289	132	1319	1368	1282	133	1372	137
1	0	1	6	1	2		7		5		0				3		0
11	136	132	133	133	132	1264	130	1327	133	1279	130	1308	1358	1272	132	1362	136
2	0	2	5	0	2		7		3		7				2		0
11	134	131	132	131	131	1255	129	1314	132	1268	129	1298	1344	1262	131	1352	134
3	9	1	6	9	2		4		1		5				2		9
11	133	130	131	130	130	1243	128	1302	130	1255	128	1288	1334	1250	130	1341	133
4	9	2	5	9	2		1		9		4				1		9
11	132	129	130	129	128	1232	127	1289	129	1242	127	1276	1322	1242	129	1331	132
5	6	2	5	7	9		1		4		1				1		6
11	131	127	129	128	127	1221	125	1275	128	1230	125	1262	1308	1230	127	1316	131
6	5	9	4	4	7		5		2		8				8		5
11	130	126	128	127	126	1206	124	1261	126	1214	124	1248	1294	1217	126	1303	130
7	2	6	1	2	4		1		7		3				6		2
11	128	125	126	125	125	1194	122	1248	125	1201	123	1233	1279	1204	125	1291	128
8	8	3	8	8	0		9		3		0				4		8
11	127	124	125	124	123	1180	121	1233	123	1187	121	1219	1264	1191	124	1277	127
9	4	0	4	6	6		4		8		5				0		4
12	126	122	124	123	122	1166	119	1215	122	1172	120	1204	1248	1178	122	1263	126
0	1	6	3	0	3		8		2		0				6		1
12	124	121	122	121	120	1150	118	1199	120	1154	118	1189	1234	1161	121	1249	124
1	6	0	8	6	9		3		8		3				3		6

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

12	123	119	121	120	119	1134	116	1184	119	1139	116	1174	1216	1149	119	1233	123
2	0	6	3	1	4		8		1		8				7		0
12	121	118	119	118	117	1120	115	1167	117	1122	115	1156	1199	1133	118	1218	121
3	4	1	7	5	7		0		4		1				0		4
12	119	116	118	116	116	1103	113	1149	115	1104	113	1139	1181	1118	116	1201	119
4	6	4	0	7	0		2		6		3				4		6
12	118	114	116	115	114	1087	111	1131	113	1089	111	1123	1163	1103	114	1184	118
5	0	8	4	0	3		5		9		4				6		0
12	116	113	114	113	112	1072	109	1112	111	1071	109	1105	1143	1088	112	1168	116
6	3	4	6	4	4		7		8		8				8		3
12	114	111	113	111	110	1054	107	1092	109	1052	107	1084	1124	1073	111	1151	114
7	9	7	0	6	8		8		9		8				1		9
12	112	110	111	109	109	1037	105	1073	108	1035	105	1065	1105	1054	109	1130	112
8	7	1	0	7	1		6		0		9				3		7
12	110	108	109	107	107	1017	103	1053	105	1014	103	1045	1085	1036	107	1111	110
9	9	2	1	7	2		8		9		8				5		9
13	108	106	107	105	105	998	101	1029	103	995	101	1024	1063	1020	105	1091	108
0	8	3	3	8	1		8		9		9				6		8
13	106	104	105	103	103	979	998	1006	101	975	999	1002	1043	1001	103	1072	106
1	9	7	3	7	1				8						5		9
13	105	102	103	101	101	959	977	985	996	954	975	983	1022	983	101	1053	105
2	1	6	2	8	1										4		1
13	102	100	101	994	991	937	956	963	971	932	954	962	998	962	996	1031	102
3	8	8	4														8
13	100	987	992	974	968	917	934	940	948	910	931	939	977	942	973	1008	100
4	9																9
13	985	965	970	952	946	896	910	918	925	887	906	917	950	920	952	987	985
5																	
13	962	943	947	928	923	874	887	895	900	866	886	896	926	900	929	961	962
6																	
13	939	921	924	906	899	854	868	870	875	845	861	872	901	878	906	939	939
7																	
13	914	898	902	883	875	832	842	849	854	822	841	849	875	858	884	917	914
8																	
13	891	877	877	858	852	810	816	822	829	799	814	825	853	834	862	893	891
9																	

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

140	869	856	857	839	828	785	792	797	804	774	789	801	825	812	835	869	869
141	845	830	830	813	801	761	767	769	775	750	766	775	797	790	811	844	845
142	821	803	804	788	776	736	742	743	749	726	740	750	770	767	784	818	821
143	796	777	778	763	750	710	715	717	723	698	714	725	742	744	759	795	796
144	771	755	751	734	725	685	690	689	690	672	689	698	717	723	734	768	771
145	743	726	726	709	695	660	663	660	660	648	662	668	686	699	708	744	743
146	715	700	697	682	668	635	634	632	625	618	632	639	657	673	684	715	715
147	685	674	669	653	640	607	606	603	594	589	606	612	627	650	656	686	685
148	658	645	640	624	610	581	579	572	567	562	579	584	598	622	630	657	658
149	630	619	612	596	581	554	550	545	539	534	548	556	571	598	604	628	630
150	603	591	579	568	555	527	520	517	513	506	520	530	544	571	574	600	603
151	574	565	549	540	527	498	493	490	485	477	492	504	516	543	545	571	574
152	546	540	522	511	497	473	468	460	455	452	463	474	491	516	520	539	546
153	518	514	494	484	470	448	440	432	428	424	436	448	463	486	494	512	518
154	489	490	467	453	443	419	414	404	397	397	408	421	435	456	468	483	489
155	458	462	439	427	414	390	387	377	369	370	380	391	408	426	442	450	458
156	429	435	412	401	382	362	359	346	341	344	352	365	383	398	415	425	429
157	403	407	384	372	354	336	327	319	315	319	324	336	354	366	389	398	403

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People' s Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

15	377	376	354	345	328	309	302	293	286	290	300	309	325	340	358	367	377
8																	
15	346	345	328	319	301	286	277	263	260	264	276	282	297	310	330	340	346
9																	
16	319	315	302	292	276	261	248	238	234	237	248	257	272	283	302	311	319
0																	
16	292	284	275	267	250	235	222	213	209	212	222	233	249	258	276	285	292
1																	
16	267	259	249	240	221	208	200	189	185	191	198	210	222	235	252	259	267
2																	
16	238	233	222	215	199	185	182	166	164	168	176	185	201	207	224	232	238
3																	
16	215	210	197	189	175	164	156	146	142	144	153	161	177	184	198	205	215
4																	
16	189	185	173	168	154	143	133	125	120	124	133	140	150	163	177	181	189
5																	
16	164	160	149	148	133	122	114	104	102	106	113	119	131	140	152	161	164
6																	
16	142	137	130	126	113	103	98	87	85	91	94	102	111	120	134	140	142
7																	
16	122	118	112	106	95	88	80	73	70	73	76	83	95	102	114	118	122
8																	
16	101	99	91	89	80	71	64	58	56	60	64	69	76	82	95	97	101
9																	
17	85	80	75	73	64	59	52	45	44	45	49	53	63	68	77	84	85
0																	
17	68	66	61	58	51	45	39	35	35	36	39	43	48	55	64	66	68
1																	
17	54	53	47	45	40	34	31	27	26	28	29	32	38	42	50	52	54
2																	
17	41	40	37	36	31	27	23	21	20	21	22	24	29	33	39	41	41
3																	
17	32	31	28	27	24	20	18	16	15	16	17	18	22	26	30	31	32
4																	
17	24	23	21	20	18	15	14	13	12	12	12	14	16	20	22	23	24
5																	

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

17 6	18	18	16	15	13	12	11	10	10	10	10	10	13	15	17	18	18
17 7	13	13	12	12	11	10	10	9	8	8	9	9	10	12	13	14	13
17 8	11	10	9	9	9	8	8	8	8	8	8	8	8	10	9	10	11
17 9	8	8	8	8	7	7	7	7	7	7	7	8	7	7	8	8	8
18 0	7	7	7	7	6	7	7	8	8	7	7	7	7	7	8	8	7



Report No.: BLC2009007E-A

2.2 Electrical, Photometric and Chromaticity Measurements*(Refer to Work Instruction BL-QP-033)*

Test date	2020-09-12	Test Ambient:	25.2 ° C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	LED100HIDRSC2MOG(4000K)		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
BLC200900	120.1	60	0.847	101.08	0.993	7.48
7E-H2	277.1	60	0.403	102.30	0.916	14.69
DLC Pass Criteria					$\geq 0.9(-3\%)$	$\leq 20(+5)$

Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120.0	R1	83	R9	12
Frequency (Hz)	60	R2	92	R10	82
CCT (K)	3754	R3	96	R11	82
Duv	-0.0020	R4	82	R12	66
Chromaticity (x, y)	x=0.3903 y=0.3783	R5	84	R13	86
Chromaticity (u', v')	u(u')=0.2310, v'=0.5037	R6	89	R14	99
Color Rendering Index (CRI)	84	R7	84	R15	77
R9	12	R8	64	--	--
Rf	84				
Rg	95				
Rcs,h1(%)	-12				

Photometric Measurement – Sphere-Spectroradiometer Method:

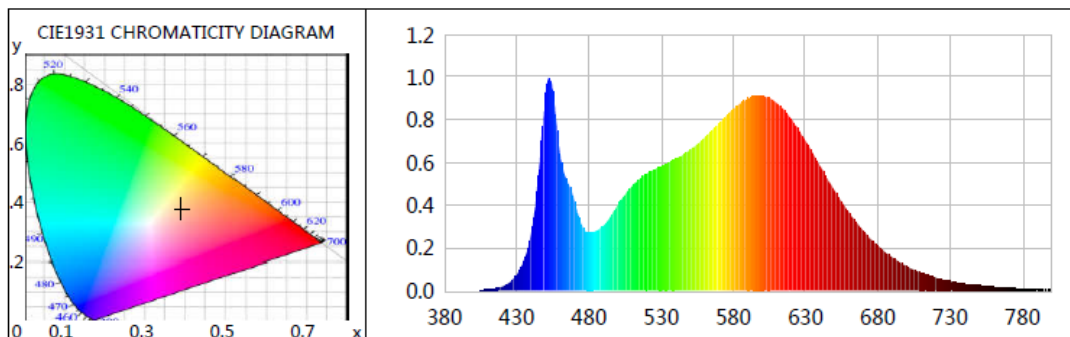
Parameter	Result	
Test Voltage (V)	120.0	277.0
Frequency (Hz)	60	60
Total Luminous (lm)	15546.7	15996.0
Luminous Efficacy (lm/W)	153.81	156.36
Most worst Luminous/Highest Watts	151.97	



Certificate#4810.01

Report No.: BLC2009007E-A

Spectral Power Distribution & Chromaticity Diagram



WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0003	0.0899	525	0.5661	176.8053	670	0.2790	87.1295
385	0.0003	0.0830	530	0.5814	181.5857	675	0.2421	75.6124
390	0.0003	0.0958	535	0.5963	186.2345	680	0.2086	65.1484
395	0.0007	0.2332	540	0.6169	192.6473	685	0.1804	56.3368
400	0.0010	0.2988	545	0.6354	198.4498	690	0.1545	48.2606
405	0.0015	0.4765	550	0.6575	205.3258	695	0.1330	41.5285
410	0.0037	1.1565	555	0.6853	214.0222	700	0.1140	35.5918
415	0.0088	2.7535	560	0.7152	223.3503	705	0.0973	30.3983
420	0.0188	5.8837	565	0.7485	233.7597	710	0.0833	26.0197
425	0.0378	11.7896	570	0.7812	243.9644	715	0.0712	22.2441
430	0.0746	23.2939	575	0.8175	255.3182	720	0.0604	18.8562
435	0.1425	44.5186	580	0.8514	265.9032	725	0.0513	16.0143
440	0.2652	82.8114	585	0.8781	274.2429	730	0.0442	13.8036
445	0.5357	167.3024	590	0.8996	280.9510	735	0.0365	11.3957
450	0.9259	289.1579	595	0.9110	284.5084	740	0.0318	9.9242
455	0.9369	292.6041	600	0.9136	285.3249	745	0.0273	8.5177
460	0.6390	199.5514	605	0.9018	281.6321	750	0.0234	7.3188
465	0.5129	160.1940	610	0.8793	274.6076	755	0.0205	6.4024
470	0.4156	129.8021	615	0.8464	264.3304	760	0.0175	5.4585
475	0.3063	95.6459	620	0.8045	251.2420	765	0.0139	4.3490
480	0.2704	84.4382	625	0.7543	235.5636	770	0.0123	3.8295
485	0.2811	87.8031	630	0.6991	218.3460	775	0.0111	3.4608
490	0.3033	94.7335	635	0.6425	200.6394	780	0.0081	2.5160
495	0.3471	108.3893	640	0.5834	182.1945	785	0.0075	2.3497
500	0.4005	125.0745	645	0.5235	163.4801	790	0.0076	2.3624
505	0.4493	140.3248	650	0.4691	146.4951	795	0.0047	1.4621
510	0.4920	153.6582	655	0.4165	130.0814	800	0.0034	1.0576
515	0.5217	162.9213	660	0.3653	114.0707			
520	0.5466	170.7122	665	0.3195	99.7846			

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01
Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Certificate#4810.01

Report No.: BLC2009007E-A

TM30

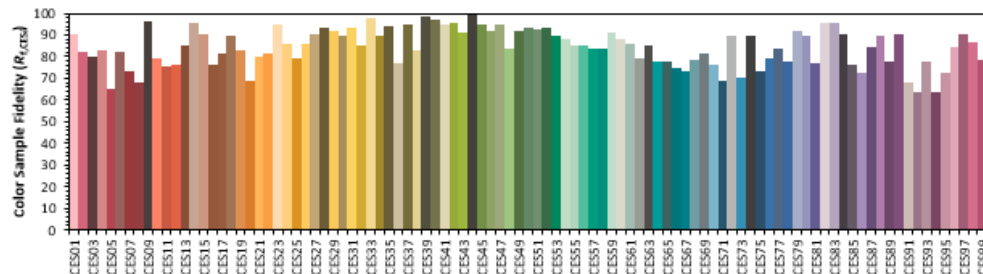
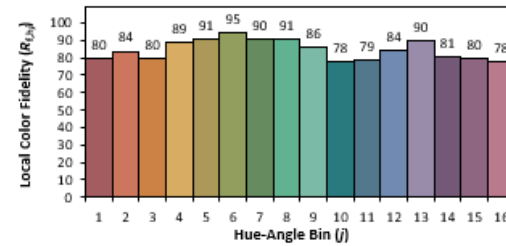
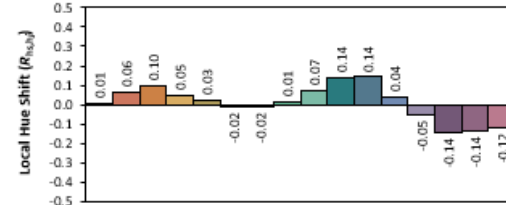
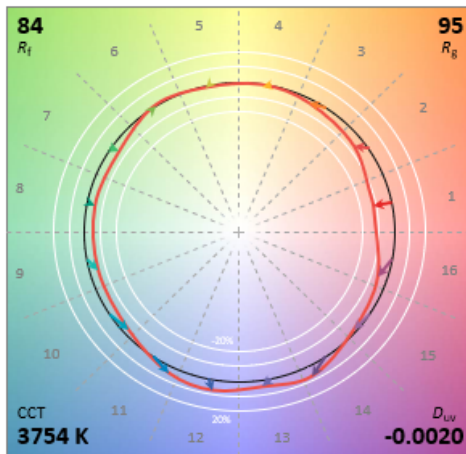
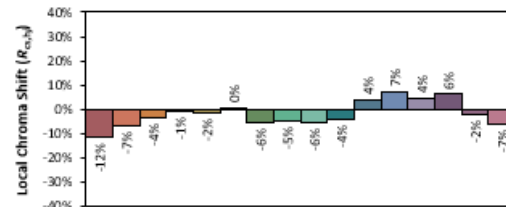
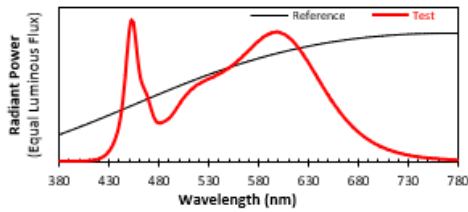
ANSI/IES TM-30-18 Color Rendition Report

Source: L128-4080RA35000H1

Manufacturer: ASMAIT LIGHT CO., LTD

Date: 2020/9/12

Model: LED100HIDRSC2M0G(4000K)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3903
 y 0.3783
 u' 0.2310
 v' 0.5037

CIE 13.3-1995
(CRI)
 R_a 84
 R_g 12

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



Report No.: BLC2009007E-A

Zonal Lumen Tabulation

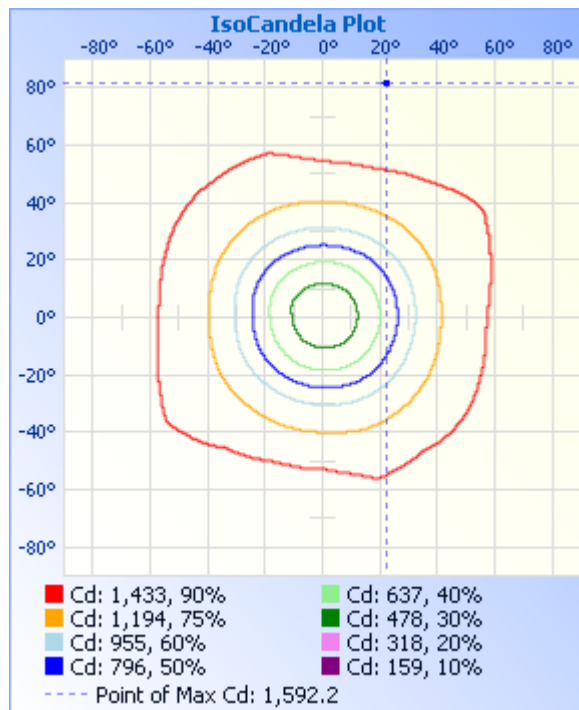
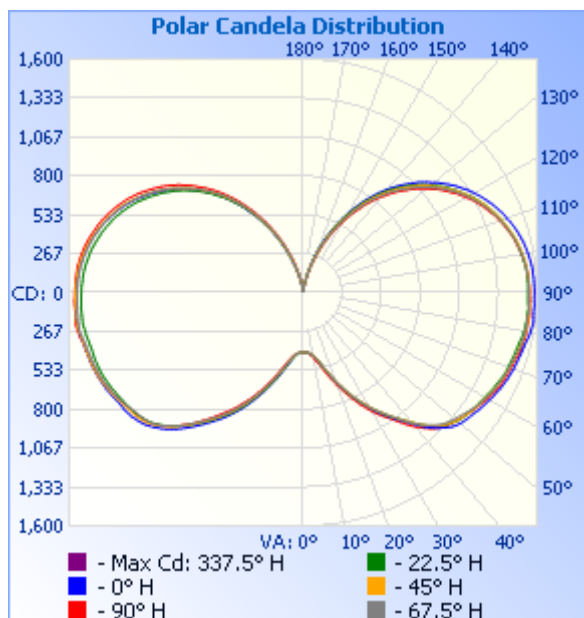
Zonal Lumen Summary				Lumens Per Zone					
Zone	Lumens	% Lamp	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total
0-30	569.3	3.7%	3.7%	0-10	41.1	0.3%	90-100	1,681.1	10.8%
0-40	1,231.0	7.9%	7.9%	10-20	158.5	1.0%	100-110	1,574.1	10.1%
0-60	3,508.1	22.6%	22.6%	20-30	369.8	2.4%	110-120	1,373.7	8.8%
60-90	4,786.1	30.8%	30.8%	30-40	661.7	4.3%	120-130	1,099.9	7.1%
70-100	4,992.6	32.1%	32.1%	40-50	1,004.3	6.5%	130-140	785.3	5.1%
90-120	4,628.9	29.8%	29.8%	50-60	1,272.8	8.2%	140-150	472.7	3%
0-90	8,294.1	53.3%	53.3%	60-70	1,474.5	9.5%	150-160	211.2	1.4%
90-180	7,253.6	46.7%	46.7%	70-80	1,617.2	10.4%	160-170	52.4	0.3%
0-180	15,547.7	100%	100%	80-90	1,694.3	10.9%	170-180	3.3	0%



Certificate#4810.01

Report No.: BLC2009007E-A

Photometric Data





Report No.: BLC2009007E-A

Certificate#4810.01

Candela Table - Type C

					112.		157.		202.		247.		292.		337.		
	0	22.5	45	67.5	90	5	135	5	180	5	225	5	270	5	315	5	360
0	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410	410
1	411	412	411	410	410	412	411	412	410	410	410	410	411	412	411	411	411
2	412	412	412	411	411	412	411	412	411	412	410	410	413	414	412	413	412
3	412	413	411	410	413	413	414	414	413	413	412	410	414	415	413	414	412
4	414	414	413	412	414	416	416	417	416	416	414	413	414	415	414	414	414
5	415	416	414	413	418	420	421	421	420	420	417	415	417	417	415	417	415
6	418	419	416	416	423	426	428	427	426	426	421	420	421	420	419	419	418
7	422	423	421	422	430	433	435	436	434	434	429	427	426	426	422	423	422
8	429	429	428	429	439	445	446	447	445	444	438	434	432	430	428	429	429
9	437	437	435	437	451	456	458	460	458	456	449	444	440	440	437	437	437
10	445	448	445	448	463	470	471	473	472	469	461	459	452	449	447	447	445
11	460	459	458	459	480	486	487	492	488	484	477	473	462	460	459	458	460
12	471	474	471	474	495	502	505	509	506	501	492	488	477	472	471	473	471
13	487	488	488	493	512	520	525	526	525	518	509	504	493	491	487	486	487
14	508	506	506	511	532	542	543	547	545	538	528	523	509	505	502	505	508
15	525	529	525	529	553	563	565	569	566	560	551	542	529	523	522	525	525
16	548	549	547	548	573	585	589	593	589	582	572	562	552	543	544	547	548
17	569	571	569	573	598	609	613	614	614	605	593	587	573	570	567	568	569
18	593	595	592	597	621	629	634	639	638	627	617	610	595	592	589	589	593
19	620	620	618	620	646	652	661	663	662	651	641	634	620	615	614	616	620
20	645	644	643	644	672	680	686	688	689	677	666	658	645	637	637	642	645
21	670	670	667	668	697	707	713	715	714	704	691	683	671	662	662	669	670
22	696	697	691	694	722	732	738	742	740	729	716	707	695	689	688	694	696
23	723	724	718	719	749	757	765	770	766	755	742	736	721	713	714	719	723
24	751	753	746	746	776	783	792	798	792	780	770	762	747	741	743	749	751
25	779	778	773	772	802	808	822	824	818	807	795	787	774	767	767	774	779
26	805	803	798	799	831	837	849	850	848	834	821	815	800	793	793	799	805
27	832	829	823	825	860	865	874	876	873	865	849	841	827	819	818	825	832
28	860	855	851	854	883	887	901	906	902	888	873	866	853	846	844	852	860

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

29	884	879	874	880	910	913	927	933	927	914	903	895	877	868	869	878	884
30	912	908	903	906	936	936	956	959	954	942	929	919	907	897	895	905	912
31	941	933	928	928	961	962	980	985	979	966	955	944	931	920	923	933	941
32	968	957	954	954	986	985	1005	1009	1006	988	979	972	956	945	950	958	968
33	992	984	979	979	1011	1008	1028	1036	1029	1010	1004	997	980	968	976	986	992
34	1017	1010	1003	1004	1034	1031	1051	1059	1054	1035	1027	1021	1004	992	999	1012	1017
35	1044	1034	1029	1029	1059	1054	1077	1082	1078	1059	1053	1044	1030	1015	1026	1038	1044
36	1068	1059	1056	1055	1085	1081	1102	1105	1101	1085	1077	1067	1059	1037	1047	1063	1068
37	1094	1083	1081	1080	1114	1107	1126	1129	1128	1107	1102	1094	1086	1064	1074	1087	1094
38	1119	1107	1106	1111	1145	1135	1152	1157	1151	1131	1125	1120	1113	1091	1097	1113	1119
39	1146	1135	1132	1142	1174	1165	1185	1184	1178	1155	1152	1144	1140	1121	1128	1136	1146
40	1176	1162	1163	1170	1201	1189	1213	1211	1205	1179	1179	1168	1170	1149	1156	1165	1176
41	1206	1190	1191	1194	1225	1216	1241	1239	1229	1205	1203	1197	1194	1174	1183	1198	1206
42	1238	1220	1220	1220	1249	1240	1265	1265	1254	1227	1229	1222	1219	1197	1210	1229	1238
43	1265	1246	1244	1242	1273	1260	1288	1289	1280	1248	1252	1248	1246	1224	1239	1256	1265
44	1288	1267	1266	1263	1293	1280	1313	1312	1300	1272	1278	1271	1270	1249	1267	1281	1288
45	1312	1290	1290	1284	1311	1300	1337	1334	1321	1291	1299	1292	1293	1272	1293	1308	1312
46	1333	1310	1311	1302	1326	1315	1355	1355	1342	1312	1319	1313	1316	1292	1314	1331	1333
47	1354	1329	1329	1317	1338	1329	1372	1374	1359	1331	1339	1333	1334	1310	1337	1356	1354
48	137	134	134	132	134	1338	138	1391	137	1348	135	1351	135	1324	135	1375	137

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

	4	4	2	9	8		5		7		8		2		4		4
49	138	135	135	134	135	1346	139	1407	139	1362	137	1366	136	1338	136	1390	138
	6	7	6	0	8		6		3		5		7		9		6
50	139	136	136	134	136	1352	140	1418	140	1376	138	1377	138	1350	137	1401	139
	8	9	6	9	7		1		8		8		1		8		8
51	140	138	137	135	137	1358	140	1427	141	1386	140	1386	139	1357	138	1411	140
	8	0	7	9	7		9		9		0		0		5		8
52	141	139	138	136	138	1364	141	1432	143	1396	140	1393	140	1366	139	1416	141
	5	0	6	8	5		6		0		9		0		4		5
53	142	139	139	138	139	1369	142	1439	143	1406	141	1399	140	1371	140	1422	142
	1	3	4	0	4		3		8		8		8		2		1
54	142	139	140	139	140	1374	143	1445	144	1412	142	1406	141	1377	140	1429	142
	6	9	2	0	2		0		8		5		3		8		6
55	143	140	141	140	141	1381	143	1451	145	1420	143	1412	142	1379	141	1436	143
	4	6	0	1	1		7		4		2		0		7		4
56	144	141	141	141	142	1387	144	1457	146	1425	143	1422	142	1384	142	1445	144
	3	1	7	2	0		3		0		7		6		3		3
57	145	141	142	142	142	1393	145	1463	146	1428	144	1430	143	1389	143	1451	145
	2	8	5	0	8		2		3		3		3		0		2
58	145	142	143	142	143	1401	146	1468	146	1433	145	1440	144	1395	143	1458	145
	8	3	1	9	8		0		6		0		2		8		8
59	146	142	143	143	144	1411	146	1474	147	1438	145	1448	144	1401	144	1464	146
	4	9	6	6	6		8		0		7		8		6		4
60	147	143	144	144	145	1416	147	1481	147	1444	146	1456	145	1407	145	1471	147
	3	4	4	4	5		7		5		4		5		4		3
61	148	144	145	145	146	1425	148	1488	148	1449	147	1464	146	1414	145	1477	148
	0	1	0	1	5		5		1		1		2		9		0
62	148	144	145	146	147	1430	149	1494	148	1455	148	1471	147	1420	146	1485	148
	6	8	8	0	3		3		9		0		0		7		6
63	149	145	146	146	148	1439	150	1500	149	1460	148	1479	147	1430	147	1491	149
	3	5	4	6	0		0		4		8		9		5		3
64	150	146	147	147	148	1443	150	1505	150	1466	149	1484	148	1435	148	1497	150
	1	1	1	2	7		7		1		4		7		2		1
65	150	146	147	147	149	1450	151	1511	150	1472	150	1490	149	1441	148	1504	150
	7	7	7	8	3		1		5		0		3		8		7
66	151	147	148	148	149	1454	151	1516	151	1477	150	1495	149	1446	149	1511	151

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

	3	4	4	2	7		6		1		5		9		5		3
67	151 8	148 0	148 9	148 8	150 0	1460	152 1	1522	151 6	1481	151 2	1500	150 5	1452	150 1	1518	151 8
68	152 2	148 6	149 6	149 2	150 4	1462	152 5	1526	151 9	1486	151 6	1503	151 1	1456	150 5	1525	152 2
69	152 7	149 1	149 9	149 8	150 9	1465	152 9	1529	152 1	1488	152 0	1507	151 6	1461	151 0	1531	152 7
70	153 2	149 4	150 3	150 3	151 3	1468	153 4	1533	152 6	1491	152 3	1510	152 0	1464	151 5	1535	153 2
71	153 5	149 6	150 7	150 6	151 7	1473	153 6	1536	152 9	1492	152 7	1514	152 2	1466	151 7	1539	153 5
72	153 9	150 0	151 2	151 0	152 1	1477	154 0	1540	153 1	1496	152 9	1516	152 6	1470	152 2	1541	153 9
73	154 1	150 5	151 5	151 2	152 6	1480	154 3	1543	153 3	1497	153 2	1520	152 9	1473	152 8	1547	154 1
74	154 8	150 7	152 0	151 8	153 4	1482	154 6	1546	153 4	1497	153 4	1522	153 3	1476	153 1	1550	154 8
75	155 1	151 0	152 5	152 6	153 9	1491	154 8	1548	153 7	1497	153 6	1526	153 7	1478	153 4	1553	155 1
76	155 5	151 5	152 9	153 5	154 1	1495	155 3	1551	154 1	1502	153 9	1528	153 9	1480	153 8	1560	155 5
77	155 9	151 9	153 4	153 6	154 2	1495	156 1	1554	154 1	1504	154 1	1532	154 4	1483	154 0	1565	155 9
78	156 6	152 5	153 8	153 5	154 7	1499	156 9	1558	154 6	1508	154 5	1539	155 2	1489	154 6	1569	156 6
79	157 4	153 0	154 4	154 0	155 0	1501	157 3	1569	155 3	1513	155 1	1543	155 9	1499	155 4	1575	157 4
80	157 8	153 4	154 6	154 4	155 1	1505	157 4	1575	155 6	1515	155 7	1551	156 2	1506	156 3	1586	157 8
81	158 1	153 7	154 7	154 4	155 2	1508	157 6	1578	155 7	1519	156 1	1554	156 8	1511	157 1	1589	158 1
82	158 7	153 9	154 9	154 6	155 1	1508	157 2	1576	155 8	1523	156 4	1553	157 2	1511	157 1	1592	158 7
83	158 8	154 1	154 9	154 3	155 4	1504	157 2	1576	156 2	1522	156 5	1551	157 2	1509	157 2	1592	158 8
84	158	154	154	154	155	1505	157	1574	156	1522	156	1549	156	1508	157	1588	158

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

	5	1	9	4	7		1		9		4		7		1		5
85	158 3	154 2	155 1	155 1	155 6	1506	157 4	1573	156 5	1522	156 1	1550	156 5	1505	157 0	1586	158 3
86	158 4	154 5	155 2	155 0	155 3	1499	157 2	1574	155 9	1524	156 0	1549	156 5	1505	157 0	1587	158 4
87	158 6	154 1	154 8	154 7	155 0	1499	156 7	1572	155 9	1521	156 0	1549	156 6	1509	157 2	1589	158 6
88	158 2	154 0	154 8	154 4	155 3	1498	156 7	1570	155 8	1520	156 1	1548	156 7	1505	156 9	1588	158 2
89	158 2	154 0	154 7	154 5	155 0	1500	156 8	1566	155 5	1519	156 0	1546	156 3	1504	156 7	1585	158 2
90	158 3	153 9	154 8	154 3	155 0	1500	156 7	1566	155 4	1518	156 0	1546	156 2	1502	156 9	1586	158 3
91	158 3	154 0	154 8	154 4	154 9	1498	156 5	1566	155 3	1517	155 8	1545	156 2	1503	156 8	1584	158 3
92	158 2	154 1	154 7	154 4	154 7	1497	156 4	1564	155 1	1516	155 7	1544	156 0	1503	156 8	1585	158 2
93	158 1	153 9	154 5	154 4	154 5	1494	156 2	1562	155 0	1513	155 5	1544	156 0	1502	156 6	1582	158 1
94	158 0	153 7	154 4	154 3	154 3	1492	156 0	1560	154 7	1511	155 3	1540	155 8	1500	156 5	1582	158 0
95	157 8	153 6	154 2	154 0	154 2	1491	155 7	1557	154 4	1509	155 0	1539	155 6	1499	156 5	1581	157 8
96	157 7	153 5	153 9	153 6	153 9	1485	155 3	1552	154 1	1506	154 6	1535	155 6	1497	156 2	1579	157 7
97	157 5	153 1	153 7	153 4	153 5	1481	154 7	1549	153 8	1501	154 3	1532	155 3	1494	156 0	1578	157 5
98	157 0	152 7	153 3	153 0	152 8	1476	154 3	1544	153 0	1497	153 9	1527	154 9	1492	155 7	1575	157 0
99	156 7	152 3	153 0	152 6	152 2	1471	153 9	1538	152 5	1491	153 3	1522	154 4	1488	155 2	1569	156 7
100	156 3	151 9	152 4	152 1	151 8	1465	153 1	1533	152 4	1487	152 8	1516	153 9	1483	154 8	1565	156 3
101	155 7	151 4	151 9	151 6	151 2	1461	152 6	1526	151 6	1481	152 1	1512	153 3	1479	154 3	1561	155 7
1010	155	150	151	150	150	1455	152	1519	150	1474	151	1504	152	1474	153	1557	155

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

2	2	8	4	9	5		0		9		6		8		7		2
10	154	150	150	150	149	1448	151	1512	150	1467	150	1497	152	1468	153	1550	154
3	7	3	9	2	9		3		2		8		1		2		7
10	154	149	150	149	149	1440	150	1503	149	1459	149	1490	151	1462	152	1544	154
4	0	8	2	6	3		2		4		9		4		6		0
10	153	149	149	148	148	1431	149	1494	148	1451	149	1483	150	1454	151	1535	153
5	3	0	3	7	4		4		5		0		6		9		3
10	152	148	148	148	147	1423	148	1485	147	1443	148	1474	149	1447	150	1526	152
6	5	1	5	0	5		6		7		2		7		9		5
10	151	147	147	147	146	1414	147	1476	146	1435	147	1466	148	1440	150	1517	151
7	6	2	6	1	6		7		8		3		9		1		6
10	150	146	146	146	145	1406	146	1466	146	1426	146	1456	148	1432	149	1508	150
8	7	5	6	1	6		7		0		3		1		3		7
10	149	145	145	145	144	1395	145	1456	144	1414	145	1447	147	1424	148	1500	149
9	8	5	8	1	5		5		9		3		2		4		8
11	148	144	144	144	143	1387	144	1446	143	1406	144	1436	146	1414	147	1490	148
0	5	6	8	0	5		5		7		3		2		5		5
11	147	143	143	143	142	1376	143	1433	142	1396	143	1425	145	1404	146	1480	147
1	7	7	8	0	5		5		6		3		1		4		7
11	146	142	142	141	141	1367	142	1421	141	1385	142	1414	144	1394	145	1469	146
2	7	6	6	9	3		2		3		1		0		3		7
11	145	141	141	140	140	1353	141	1408	140	1371	140	1402	142	1384	144	1459	145
3	4	5	5	6	0		0		2		8		9		2		4
11	144	140	140	139	138	1341	139	1396	138	1360	139	1389	141	1373	143	1447	144
4	3	4	3	6	7		8		9		7		7		0		3
11	143	139	139	138	137	1329	138	1381	137	1346	138	1376	140	1362	141	1435	143
5	2	2	2	1	4		4		4		4		5		9		2
11	141	137	137	137	136	1315	136	1367	136	1333	136	1364	139	1350	140	1424	141
6	8	9	9	0	1		9		1		9		0		5		8
11	140	136	136	135	134	1301	135	1353	134	1318	135	1349	137	1335	139	1408	140
7	3	4	4	5	5		5		6		6		7		2		3
11	139	135	134	133	133	1287	134	1337	133	1306	134	1335	136	1321	137	1391	139
8	0	2	9	9	1		0		1		0		5		7		0
11	137	133	133	132	131	1271	132	1321	131	1290	132	1320	134	1305	136	1377	137
9	5	8	4	5	7		5		6		4		9		3		5
12	136	132	132	130	130	1254	130	1306	130	1272	130	1304	133	1291	134	1364	136

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

0	0	2	0	9	0		7		0		6		4		7		0
12	134	130	130	129	128	1238	129	1289	128	1256	129	1288	131	1278	133	1347	134
1	5	4	5	4	2		0		1		1		8		2		5
12	132	128	128	127	126	1225	127	1270	126	1241	127	1270	130	1261	131	1330	132
2	9	9	8	7	6		4		5		3		0		5		9
12	131	127	127	126	124	1207	125	1252	124	1223	125	1254	128	1245	129	1311	131
3	0	4	1	0	9		4		8		4		2		7		0
12	129	125	125	124	122	1189	123	1235	122	1206	123	1237	126	1229	127	1295	129
4	2	7	3	2	7		5		8		7		5		9		2
12	127	124	123	122	121	1171	121	1216	120	1188	121	1220	124	1212	126	1277	127
5	5	0	6	3	0		8		9		9		7		0		5
12	125	122	121	120	119	1153	119	1194	118	1170	119	1199	122	1195	124	1257	125
6	6	3	7	5	1		8		9		9		8		2		6
12	123	120	119	118	117	1135	117	1174	117	1150	117	1180	121	1176	122	1240	123
7	6	7	9	8	3		5		0		9		0		4		6
12	121	118	117	116	115	1114	115	1154	115	1131	115	1159	119	1159	120	1219	121
8	5	5	9	6	4		5		0		9		0		4		5
12	119	116	115	114	112	1095	113	1131	112	1110	114	1137	117	1139	118	1199	119
9	7	6	8	5	9		5		8		0		0		3		7
13	117	114	113	112	111	1075	111	1109	110	1091	111	1116	114	1120	116	1179	117
0	5	7	8	4	1		3		6		5		9		1		5
13	115	112	111	110	108	1053	108	1086	108	1070	109	1093	112	1099	113	1157	115
1	2	6	7	1	8		8		4		3		7		8		2
13	113	110	109	107	106	1031	106	1062	106	1046	107	1072	110	1078	111	1136	113
2	3	4	7	9	7		5		2		1		3		9		3
13	111	108	107	105	104	1009	104	1040	103	1025	104	1048	108	1058	109	1110	111
3	0	5	3	8	1		2		8		9		0		5		0
13	108	106	105	103	101	988	101	1015	101	1003	102	1026	105	1034	107	1087	108
4	8	2	2	5	9		8		4		3		8		4		8
13	106	103	102	101	993	963	993	991	988	979	100	1003	103	1009	104	1061	106
5	2	9	7	0							1		1		8		2
13	103	101	100	986	970	941	968	965	964	955	976	979	100	988	102	1038	103
6	8	3	0										5		1		8
13	101	990	979	962	947	918	945	939	940	932	951	955	982	965	999	1013	101
7	3																3
13	990	967	953	937	921	893	920	917	915	908	926	931	956	943	973	989	990

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

8																	
13	963	941	927	913	896	865	892	890	889	879	901	907	931	918	944	962	963
9																	
14	936	918	904	887	867	843	863	864	864	857	873	879	904	895	920	937	936
0																	
14	911	889	874	857	844	818	836	835	836	832	847	857	876	864	891	909	911
1																	
14	882	864	850	833	817	790	809	808	808	804	820	828	849	841	862	879	882
2																	
14	858	835	822	804	788	763	780	778	777	777	794	801	819	818	838	853	858
3																	
14	828	805	794	778	760	737	752	750	749	750	767	771	793	791	808	826	828
4																	
14	796	780	767	747	732	709	720	718	719	722	734	743	763	767	782	795	796
5																	
14	767	749	736	717	699	679	691	688	685	691	706	714	731	736	752	762	767
6																	
14	736	719	704	689	670	650	660	655	657	662	677	682	702	708	720	734	736
7																	
14	705	689	673	655	641	622	627	625	628	633	644	653	671	679	689	699	705
8																	
14	673	659	643	626	611	593	597	596	599	600	614	624	643	650	659	671	673
9																	
15	641	628	614	597	583	562	568	567	569	570	584	594	610	621	629	637	641
0																	
15	608	602	583	566	550	533	539	535	537	541	554	565	581	592	598	604	608
1																	
15	578	569	552	535	521	503	508	506	507	514	523	533	552	561	567	575	578
2																	
15	546	539	522	505	493	475	479	477	476	483	493	504	522	532	537	543	546
3																	
15	514	509	491	475	461	446	449	447	447	454	464	472	490	503	506	511	514
4																	
15	482	476	461	443	431	416	419	414	417	424	434	443	460	469	476	480	482
5																	
15	453	446	433	418	402	387	386	383	387	394	400	413	428	439	445	450	453

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

6																	
15	421	416	399	387	372	356	356	354	359	363	371	384	398	410	413	417	421
7																	
15	392	384	367	359	342	328	326	323	328	335	344	351	370	378	381	389	392
8																	
15	363	352	339	328	314	299	295	295	299	308	315	323	340	347	352	357	363
9																	
16	330	320	310	300	287	272	269	268	270	278	288	296	308	318	322	328	330
0																	
16	301	292	281	271	256	245	242	240	240	251	259	270	283	288	297	300	301
1																	
16	272	267	251	245	230	222	217	212	217	225	233	241	257	262	269	272	272
2																	
16	244	239	224	217	206	197	191	188	193	200	204	215	230	234	240	242	244
3																	
16	216	210	199	192	182	171	168	166	166	174	180	190	203	208	212	215	216
4																	
16	188	186	172	170	156	149	144	141	144	153	157	163	178	183	188	188	188
5																	
16	164	158	152	146	136	127	121	120	123	130	134	142	153	159	162	166	164
6																	
16	144	137	128	124	114	107	103	101	103	109	115	122	133	135	141	142	144
7																	
16	121	115	107	104	95	88	85	85	86	91	95	102	112	113	120	118	121
8																	
16	99	95	90	86	80	73	69	67	69	74	78	83	94	95	99	100	99
9																	
17	82	78	73	70	62	58	55	54	55	61	63	68	75	76	80	83	82
0																	
17	65	62	58	54	50	45	42	42	42	46	49	53	61	62	67	66	65
1																	
17	52	49	44	43	38	35	33	31	33	36	39	40	48	48	50	52	52
2																	
17	39	37	34	33	30	27	25	24	25	27	29	31	36	37	38	40	39
3																	
17	30	28	25	25	22	20	18	18	19	21	22	23	27	28	29	31	30

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People' s Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

4																	
17	22	20	19	18	17	15	14	14	15	15	16	17	20	21	22	23	22
5																	
17	16	15	14	13	13	12	11	11	11	12	13	14	15	15	16	17	16
6																	
17	11	12	11	11	10	10	10	9	10	10	10	10	11	12	12	13	11
7																	
17	10	10	9	8	8	8	7	8	9	9	8	9	9	9	9	10	10
8																	
17	8	8	8	8	8	7	8	7	8	8	8	8	7	8	8	8	8
9																	
18	8	8	8	7	7	7	7	7	7	8	8	8	7	8	7	7	8
0																	



Report No.: BLC2009007E-A

2.2 Electrical, Photometric and Chromaticity Measurements*(Refer to Work Instruction BL-QP-033)*

Test date	2020-09-12	Test Ambient:	25.2 ° C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	LED100HIDRSC2MOG(5000K)		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
BLC200900	120.1	60	0.873	104.06	0.993	7.51
7E-H3	277.1	60	0.412	104.92	0.92	14.63
DLC Pass Criteria					$\geq 0.9(-3\%)$	$\leq 20(+5)$

Chromaticity Measurement - Sphere-Spectroradiometer Method:

Parameter	Result	Special Color Rendering Indices			
Test Voltage (V)	120.0	R1	81	R9	6
Frequency (Hz)	60	R2	89	R10	73
CCT (K)	4972	R3	94	R11	80
Duv	0.0027	R4	81	R12	55
Chromaticity (x, y)	x=0.3464 y=0.3581	R5	81	R13	83
Chromaticity (u', v')	u(u')=0.2098 v'=0.4880	R6	84	R14	97
Color Rendering Index (CRI)	83	R7	87	R15	75
R9	6	R8	66	--	--
Rf	83				
Rg	95				
Rcs,h1(%)	-13				

Photometric Measurement – Sphere-Spectroradiometer Method:

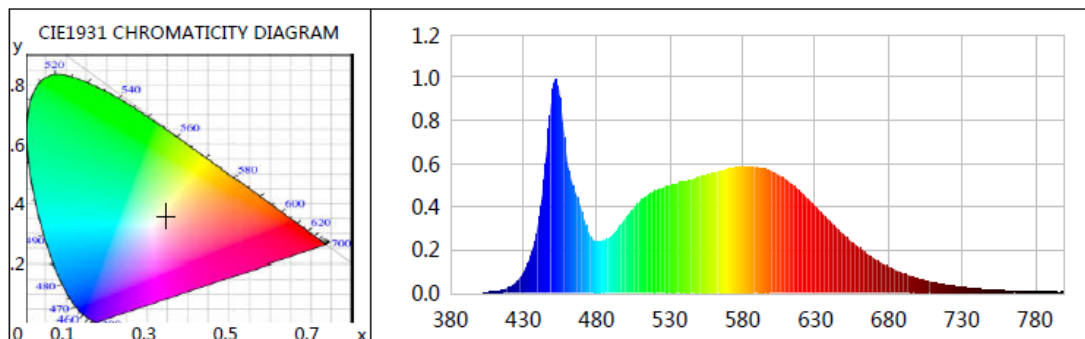
Parameter	Result	
Test Voltage (V)	120.0	277.0
Frequency (Hz)	60	60
Total Luminous (lm)	15440.4	15837.6
Luminous Efficacy (lm/W)	148.38	150.95
Most worst Luminous/Highest Watts	147.16	



Certificate#4810.01

Report No.: BLC2009007E-A

Spectral Power Distribution & Chromaticity Diagram



WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)	WL(nm)	PL	PE(mW/nm)
380	0.0002	0.0902	525	0.4880	204.8482	670	0.1580	66.3183
385	0.0003	0.1437	530	0.4981	209.1042	675	0.1389	58.2854
390	0.0006	0.2344	535	0.5071	212.8547	680	0.1206	50.6068
395	0.0007	0.2824	540	0.5176	217.2774	685	0.1042	43.7480
400	0.0007	0.3004	545	0.5252	220.4640	690	0.0902	37.8556
405	0.0019	0.8140	550	0.5354	224.7436	695	0.0773	32.4676
410	0.0047	1.9706	555	0.5451	228.8339	700	0.0659	27.6676
415	0.0113	4.7384	560	0.5571	233.8599	705	0.0572	24.0029
420	0.0242	10.1623	565	0.5666	237.8304	710	0.0491	20.5933
425	0.0490	20.5641	570	0.5744	241.1273	715	0.0418	17.5367
430	0.0943	39.5680	575	0.5834	244.8827	720	0.0360	15.0947
435	0.1746	73.2734	580	0.5869	246.3470	725	0.0307	12.9013
440	0.3140	131.8069	585	0.5872	246.4782	730	0.0266	11.1655
445	0.5981	251.0592	590	0.5854	245.7488	735	0.0219	9.2080
450	0.9497	398.6479	595	0.5783	242.7344	740	0.0195	8.1823
455	0.9096	381.8044	600	0.5659	237.5498	745	0.0176	7.4062
460	0.6125	257.1075	605	0.5474	229.7634	750	0.0140	5.8678
465	0.4789	201.0338	610	0.5261	220.8351	755	0.0132	5.5430
470	0.3751	157.4707	615	0.4983	209.1539	760	0.0097	4.0663
475	0.2740	115.0099	620	0.4693	196.9852	765	0.0089	3.7440
480	0.2387	100.1983	625	0.4353	182.7207	770	0.0068	2.8592
485	0.2430	102.0161	630	0.4021	168.7982	775	0.0071	2.9755
490	0.2621	110.0240	635	0.3664	153.8198	780	0.0052	2.1657
495	0.3002	126.0018	640	0.3320	139.3782	785	0.0027	1.1230
500	0.3478	145.9863	645	0.2975	124.8923	790	0.0046	1.9156
505	0.3893	163.4192	650	0.2653	111.3661	795	0.0027	1.1147
510	0.4269	179.1869	655	0.2359	99.0387	800	0.0032	1.3233
515	0.4542	190.6533	660	0.2071	86.9359			
520	0.4724	198.2875	665	0.1822	76.4972			



Certificate#4810.01

Report No.: BLC2009007E-A

TM30

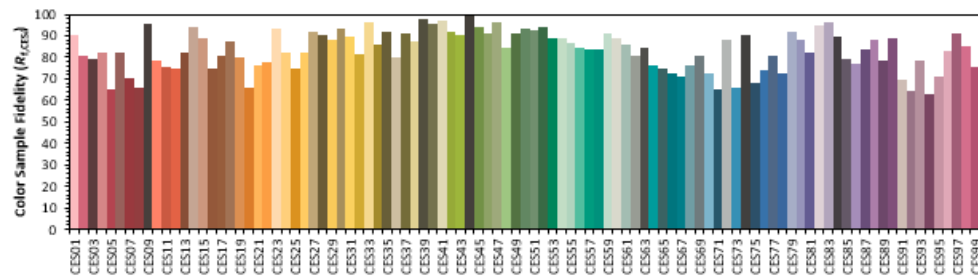
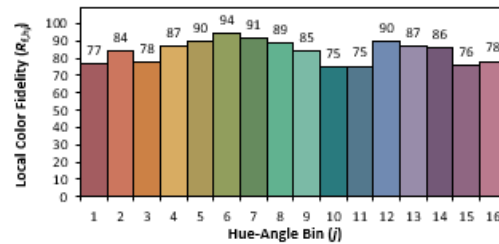
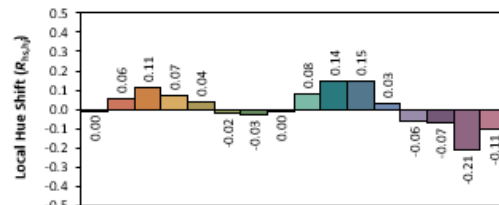
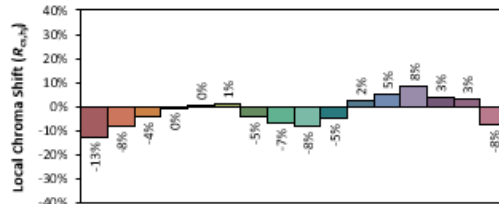
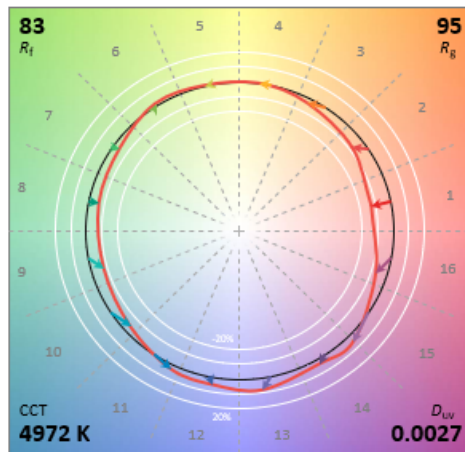
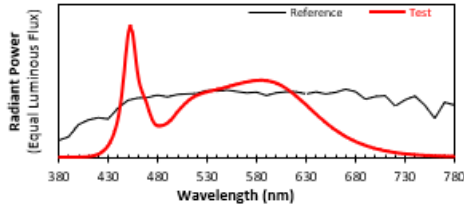
ANSI/IES TM-30-18 Color Rendition Report

Source: L128-5080RA35000H1

Manufacturer: ASMAIT LIGHT CO., LTD

Date: 2020/9/11

Model: LED100HIDRSC2MDG(5000K)



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.3464
 y 0.3581
 u' 0.2098
 v' 0.4880

CIE 13.3-1995
(CRI)

R_a 83
 R_g 6

Colors are for visual orientation purposes only. Created with the ANSI/IES TM-30-18 Calculator Version 2.00.



Report No.: BLC2009007E-A

Zonal Lumen Tabulation

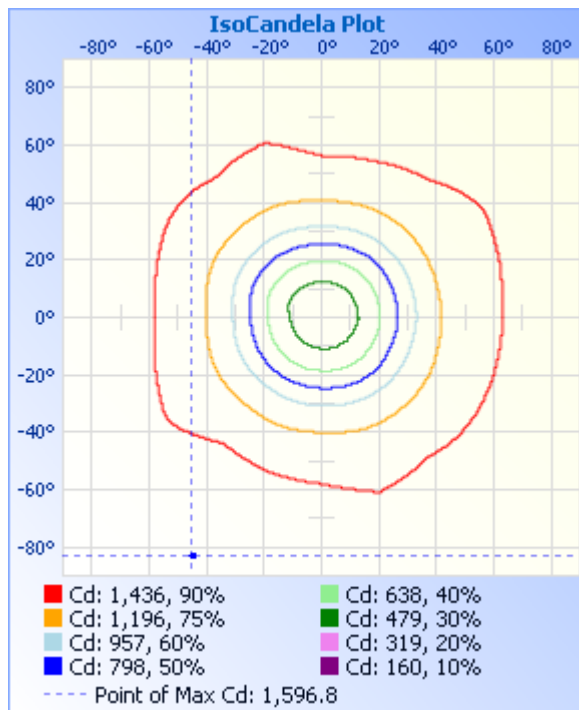
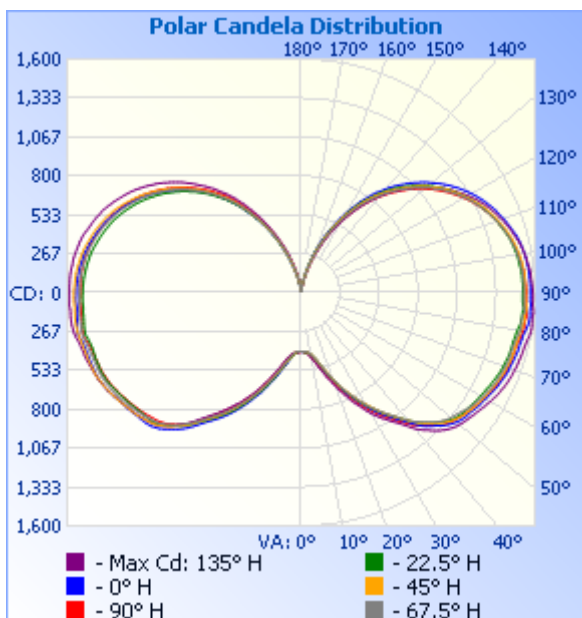
Zonal Lumen Summary				Lumens Per Zone					
Zone	Lumens	% Lamp	% Luminaire	Zone	Lumens	% Total	Zone	Lumens	% Total
0-30	563.1	3.6%	3.6%	0-10	40.6	0.3%	90-100	1,668.7	10.8%
0-40	1,219.1	7.9%	7.9%	10-20	156.6	1.0%	100-110	1,564.1	10.1%
0-60	3,475.5	22.5%	22.5%	20-30	365.9	2.4%	110-120	1,365.3	8.8%
60-90	4,750.0	30.8%	30.8%	30-40	656.0	4.2%	120-130	1,094.7	7.1%
70-100	4,953.8	32.1%	32.1%	40-50	996.3	6.5%	130-140	783.0	5.1%
90-120	4,598.1	29.8%	29.8%	50-60	1,260.1	8.2%	140-150	472.7	3.1%
0-90	8,225.4	53.3%	53.3%	60-70	1,464.9	9.5%	150-160	211.3	1.4%
90-180	7,216.0	46.7%	46.7%	70-80	1,604.3	10.4%	160-170	52.9	0.3%
0-180	15,441.5	100%	100%	80-90	1,680.7	10.9%	170-180	3.4	0%



Report No.: BLC2009007E-A

Certificate#4810.01

Photometric Data





Report No.: BLC2009007E-A

Certificate#4810.01

Candela Table - Type C

	112.				157.				202.				247.				292.				337.			
	0	22.5	45	67.5	90	5	135	5	180	5	225	5	270	5	315	5	360							
0	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404	404							
1	407	405	405	403	404	405	404	405	405	403	404	404	406	406	405	406	407							
2	408	405	406	405	405	404	405	406	405	405	404	402	407	408	406	408	408							
3	409	408	406	405	405	407	407	407	407	406	405	405	408	409	407	408	409							
4	410	408	406	406	408	411	410	410	412	411	407	406	411	410	410	410	410							
5	412	410	408	407	413	414	415	415	416	416	411	408	413	412	410	412	412							
6	414	413	410	409	417	421	421	423	423	421	416	415	416	415	414	413	414							
7	418	416	414	415	425	428	430	432	433	432	426	421	421	419	418	417	418							
8	424	421	421	421	434	439	441	443	442	441	435	431	427	424	422	424	424							
9	432	430	428	428	444	451	454	456	454	454	446	442	436	433	430	431	432							
10	439	439	436	439	459	465	468	470	470	465	458	454	446	444	439	441	439							
11	453	450	450	449	474	481	482	489	488	481	474	469	457	454	451	451	453							
12	465	463	461	465	491	497	500	504	506	500	490	486	471	468	463	465	465							
13	480	477	477	480	506	513	520	521	523	516	506	502	487	482	479	479	480							
14	501	497	495	498	526	536	538	543	545	535	526	521	504	501	494	497	501							
15	523	517	514	515	546	556	559	565	565	558	548	540	525	518	513	516	523							
16	543	540	536	534	567	581	582	587	589	579	567	558	545	539	535	537	543							
17	564	559	556	559	592	604	607	611	613	602	587	583	568	567	556	559	564							
18	586	583	577	582	614	623	628	634	635	625	611	607	589	588	581	580	586							
19	613	610	602	605	637	645	654	657	659	649	635	630	610	610	603	606	613							
20	643	633	628	629	662	674	680	683	688	675	660	654	638	634	626	630	643							
21	667	657	652	650	688	702	706	711	714	701	684	679	663	656	650	656	667							
22	690	683	681	677	717	728	734	736	740	725	708	703	690	685	675	683	690							
23	718	710	705	705	741	754	760	765	765	749	733	731	715	712	702	708	718							
24	746	740	730	730	765	779	787	791	790	774	761	756	741	738	731	734	746							
25	772	766	754	756	792	804	816	817	816	801	787	781	765	765	758	762	772							
26	796	790	782	782	821	832	844	843	845	828	815	809	791	791	783	789	796							
27	827	815	806	806	850	859	869	869	871	857	843	835	816	817	806	815	827							
28	851	841	833	832	873	881	897	898	897	882	863	858	841	842	833	840	851							
29	873	869	859	859	902	908	926	926	924	908	895	887	869	868	863	868	873							

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

30	904	895	883	889	927	932	955	950	951	933	920	911	894	893	884	890	904
31	932	918	908	914	951	958	979	976	975	959	945	938	918	915	910	915	932
32	959	943	935	938	977	982	1004	1001	1001	981	970	962	942	942	936	943	959
33	985	967	963	962	1002	1006	1028	1028	1025	1005	994	987	966	966	963	970	985
34	1009	993	989	986	1025	1028	1050	1050	1048	1028	1021	1010	992	991	989	996	1009
35	1033	1016	1015	1012	1048	1052	1075	1072	1071	1051	1043	1034	1016	1014	1014	1024	1033
36	1059	1041	1039	1037	1073	1080	1099	1096	1095	1075	1067	1057	1045	1039	1037	1048	1059
37	1083	1067	1065	1062	1100	1103	1125	1119	1121	1099	1094	1084	1074	1067	1065	1071	1083
38	1108	1091	1090	1087	1126	1130	1153	1148	1149	1124	1119	1112	1104	1097	1093	1099	1108
39	1137	1116	1119	1116	1155	1157	1187	1179	1180	1151	1150	1140	1138	1128	1122	1124	1137
40	1166	1144	1146	1144	1182	1183	1218	1208	1211	1180	1178	1165	1166	1163	1158	1155	1166
41	1196	1172	1172	1169	1204	1207	1245	1236	1236	1207	1204	1191	1190	1193	1187	1186	1196
42	1227	1198	1200	1190	1226	1231	1268	1261	1260	1230	1230	1215	1212	1219	1215	1216	1227
43	1253	1223	1224	1213	1248	1250	1290	1285	1281	1247	1252	1240	1235	1242	1242	1243	1253
44	1273	1245	1246	1234	1269	1269	1315	1308	1300	1267	1276	1260	1255	1264	1270	1268	1273
45	1291	1265	1268	1256	1290	1292	1337	1327	1321	1288	1295	1280	1275	1283	1294	1293	1291
46	1312	1285	1288	1277	1313	1311	1356	1346	1343	1309	1314	1299	1290	1300	1315	1315	1312
47	1334	1302	1309	1295	1330	1329	1372	1363	1357	1324	1333	1316	1303	1312	1333	1337	1334
48	1351	1321	1329	1310	1342	1343	1387	1376	1371	1337	1348	1329	1316	1321	1348	1355	1351

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

49	136 9	133 5	134 5	132 4	135 2	1354	1401	1387	138 1	1345	136 0	1337	132 4	1330	135 9	1370	136 9
50	138 2	135 0	135 9	133 4	136 4	1362	1410	1397	138 8	1353	137 0	1347	133 2	1333	136 9	1382	138 2
51	139 5	136 3	137 2	134 4	137 2	1369	1419	1404	139 3	1357	138 0	1356	134 1	1339	137 6	1391	139 5
52	140 3	137 1	138 3	135 3	138 2	1374	1426	1410	139 9	1362	139 0	1365	135 0	1347	138 7	1399	140 3
53	141 1	137 9	139 3	136 3	139 2	1380	1435	1418	140 4	1367	139 9	1375	135 9	1353	139 7	1408	141 1
54	141 6	138 5	140 0	137 5	140 0	1384	1442	1425	141 1	1375	140 9	1384	136 8	1360	140 5	1415	141 6
55	142 2	138 9	140 9	138 8	140 8	1391	1451	1431	141 9	1383	141 4	1392	137 5	1363	141 3	1422	142 2
56	143 1	139 4	141 8	139 8	141 6	1396	1458	1438	142 6	1389	142 2	1401	138 2	1370	142 0	1430	143 1
57	143 7	140 0	142 5	140 8	142 3	1403	1467	1444	143 2	1395	142 9	1410	139 0	1377	142 7	1437	143 7
58	144 6	140 6	143 1	141 6	143 0	1410	1476	1450	143 8	1402	143 8	1419	139 8	1384	143 7	1443	144 6
59	145 1	141 2	143 8	142 4	143 8	1417	1484	1456	144 8	1410	144 7	1428	140 6	1393	144 7	1447	145 1
60	145 7	141 7	144 3	142 9	144 7	1424	1494	1463	145 5	1419	145 6	1436	141 4	1403	145 3	1453	145 7
61	146 4	142 3	144 9	143 9	145 6	1432	1502	1471	146 5	1426	146 4	1443	142 3	1412	146 2	1460	146 4
62	147 1	142 9	145 5	144 4	146 3	1440	1511	1478	147 3	1433	147 4	1450	142 9	1421	147 1	1466	147 1
63	147 7	143 5	146 1	145 2	147 3	1447	1518	1485	148 2	1441	148 0	1456	143 7	1429	148 1	1472	147 7
64	148 6	144 1	146 7	146 0	147 7	1453	1524	1492	148 9	1448	148 9	1463	144 3	1437	148 9	1478	148 6
65	149 2	144 6	147 3	146 5	148 4	1460	1531	1497	149 6	1455	149 6	1469	145 0	1443	149 6	1485	149 2
66	149 8	145 4	147 9	147 0	149 0	1464	1538	1505	150 2	1462	150 1	1475	145 4	1449	150 3	1492	149 8

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

67	150 4	145 9	148 5	147 3	149 4	1468	1542	1509	150 8	1465	150 9	1479	146 0	1456	150 9	1500	150 4
68	150 9	146 5	149 1	147 7	149 8	1471	1547	1513	151 1	1470	151 3	1483	146 5	1460	151 5	1508	150 9
69	151 5	147 0	149 4	148 3	150 3	1473	1551	1516	151 3	1473	151 7	1485	146 9	1464	152 1	1512	151 5
70	151 6	147 3	150 0	148 7	150 7	1477	1555	1519	151 4	1473	152 0	1487	147 1	1466	152 4	1516	151 6
71	152 0	147 6	150 4	149 2	151 0	1481	1558	1522	151 6	1474	152 2	1489	147 3	1469	152 9	1519	152 0
72	152 5	148 0	150 6	149 3	151 2	1485	1561	1524	151 7	1477	152 5	1492	147 6	1470	153 5	1522	152 5
73	152 8	148 5	150 9	149 4	151 3	1485	1563	1527	151 9	1477	152 7	1494	147 9	1473	154 0	1525	152 8
74	153 2	148 6	151 0	149 3	151 3	1486	1567	1530	152 1	1476	153 0	1499	148 2	1476	154 3	1527	153 2
75	153 6	148 8	151 2	149 5	151 5	1487	1570	1532	152 4	1478	153 3	1502	148 6	1478	154 7	1530	153 6
76	153 7	148 8	151 3	149 7	151 7	1489	1572	1535	152 8	1482	153 6	1505	149 1	1483	155 2	1535	153 7
77	154 0	148 9	151 6	150 2	152 2	1491	1576	1539	153 2	1487	153 9	1511	150 0	1489	155 6	1540	154 0
78	154 4	149 4	151 7	150 8	153 0	1498	1581	1547	153 9	1494	154 5	1518	151 4	1497	156 3	1544	154 4
79	154 7	149 7	152 1	151 4	153 7	1507	1588	1557	155 1	1503	155 0	1524	152 1	1509	157 2	1551	154 7
80	155 4	150 2	152 6	152 1	154 1	1514	1594	1561	155 4	1504	155 4	1526	151 9	1516	157 9	1556	155 4
81	156 2	150 8	153 0	152 4	154 4	1519	1597	1562	155 0	1503	155 5	1523	152 0	1514	158 2	1560	156 2
82	156 9	151 5	153 6	152 4	154 3	1518	1595	1560	154 6	1501	155 6	1523	151 3	1510	158 5	1567	156 9
83	157 4	151 7	153 9	152 0	154 5	1514	1592	1558	154 4	1498	155 8	1523	151 3	1504	158 6	1573	157 4
84	157 4	152 0	154 0	152 3	155 0	1518	1591	1556	154 3	1496	155 6	1523	151 1	1500	158 6	1572	157 4

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

85	157 2	152 0	154 2	153 5	154 8	1521	1596	1552	154 2	1497	155 4	1521	151 2	1499	158 5	1570	157 2
86	157 2	152 8	154 5	152 9	154 1	1509	1593	1554	153 7	1494	155 3	1518	151 2	1500	158 5	1570	157 2
87	157 4	151 8	153 9	152 8	153 9	1508	1587	1555	154 1	1496	155 5	1518	151 3	1503	159 0	1574	157 4
88	156 8	151 5	153 7	152 6	154 0	1507	1588	1555	154 3	1498	155 5	1520	151 6	1503	158 6	1571	156 8
89	156 8	151 5	153 6	152 5	153 9	1508	1587	1552	154 1	1497	155 6	1518	151 2	1502	158 5	1565	156 8
90	156 7	151 6	153 5	152 5	154 1	1509	1586	1550	154 0	1495	155 5	1518	151 2	1500	158 7	1564	156 7
91	156 8	151 7	153 5	152 6	154 0	1507	1584	1550	154 0	1495	155 3	1518	151 2	1499	158 6	1565	156 8
92	156 8	151 8	153 4	152 5	153 8	1505	1582	1548	153 8	1492	155 1	1516	151 1	1500	158 6	1565	156 8
93	156 7	151 6	153 4	152 4	153 6	1503	1579	1546	153 4	1491	155 0	1515	151 2	1500	158 6	1565	156 7
94	156 6	151 6	153 3	152 3	153 4	1501	1577	1543	153 2	1490	154 9	1514	151 0	1496	158 5	1563	156 6
95	156 5	151 5	153 2	152 1	153 3	1498	1576	1541	153 0	1486	154 6	1511	150 9	1496	158 4	1562	156 5
96	156 3	151 3	153 0	151 9	153 0	1493	1572	1537	152 7	1482	154 3	1509	150 7	1495	158 2	1560	156 3
97	156 2	150 8	152 6	151 6	152 5	1490	1566	1534	152 3	1480	153 8	1505	150 6	1490	157 7	1558	156 2
98	155 7	150 5	152 4	151 3	152 0	1485	1561	1529	151 8	1476	153 4	1501	150 1	1486	157 7	1555	155 7
99	155 6	150 3	152 0	150 7	151 6	1481	1557	1522	151 4	1471	152 9	1495	149 8	1483	157 4	1551	155 6
100	155 2	149 9	151 5	150 4	151 2	1477	1551	1517	150 9	1467	152 4	1491	149 3	1479	156 8	1549	155 2
101	154 6	149 5	150 9	150 1	150 5	1473	1546	1512	150 2	1462	151 8	1487	148 8	1473	156 4	1543	154 6
102	154 2	148 9	150 4	149 5	149 9	1467	1540	1505	149 4	1455	151 1	1480	148 4	1468	155 8	1537	154 2

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

10	153	148	149	148	149	1460	1533	1496	148	1446	150	1472	147	1463	155	1531	153
3	7	5	8	7	4				8		4		7		4		7
10	153	147	149	148	148	1451	1523	1488	147	1439	149	1464	147	1458	154	1525	153
4	0	9	2	0	6				9		5		1		7		0
10	152	147	148	147	147	1443	1512	1479	147	1431	148	1458	146	1450	154	1518	152
5	3	1	4	4	7				0		7		4		1		3
10	151	146	147	146	146	1434	1505	1470	146	1423	148	1449	145	1441	153	1510	151
6	3	2	6	5	7				1		0		5		0		3
10	150	145	146	145	145	1424	1496	1461	145	1414	147	1440	144	1433	152	1502	150
7	4	3	6	6	7				3		1		6		0		4
10	149	144	145	144	144	1415	1486	1451	144	1406	146	1432	144	1427	151	1493	149
8	6	6	7	7	9				4		0		0		2		6
10	148	143	144	143	143	1405	1475	1443	143	1395	145	1422	143	1418	150	1482	148
9	6	7	7	8	8				4		1		0		3		6
11	147	142	143	142	142	1396	1465	1431	142	1387	144	1413	141	1410	149	1473	147
0	5	8	8	7	8				3		2		8		5		5
11	146	141	142	141	141	1384	1452	1420	141	1378	143	1400	140	1399	148	1463	146
1	6	7	9	6	8				1		1		8		5		6
11	145	140	141	140	140	1374	1441	1407	139	1366	142	1390	140	1387	147	1452	145
2	5	8	7	4	6				9		0		1		5		5
11	144	139	140	139	139	1361	1428	1396	138	1353	140	1379	139	1376	146	1441	144
3	6	7	5	3	4				8		8		0		4		6
11	143	138	139	138	138	1349	1417	1384	137	1342	139	1366	137	1366	145	1431	143
4	3	6	4	0	1				5		7		8		2		3
11	142	137	138	136	136	1337	1403	1370	136	1330	138	1353	136	1354	143	1420	142
5	2	4	2	9	9				2		1		8		7		2
11	140	136	136	135	135	1324	1389	1356	134	1316	136	1340	135	1343	142	1406	140
6	9	3	7	6	6				9		7		5		4		9
11	139	135	135	134	133	1310	1372	1343	133	1302	135	1325	134	1331	141	1391	139
7	7	0	3	2	9				4		3		2		0		7
11	138	133	134	132	132	1295	1359	1325	132	1289	133	1310	132	1315	139	1378	138
8	2	6	0	9	6				1		5		8		5		2
11	136	132	132	131	131	1282	1341	1310	130	1274	132	1296	131	1301	138	1363	136
9	8	0	5	5	1				5		0		4		1		8
12	135	130	131	130	129	1268	1324	1294	128	1259	130	1282	129	1287	136	1346	135
0	4	7	0	0	6				8		5		9		6		4

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

12	133	129	129	128	127				127	128	128	128	135	133	133
1	8	2	4	4	9	1249	1307	1278	1	7	3	0	8		
12	132	127	127	126	126				125	127	126	133	1316	132	
2	1	6	9	9	0	1233	1289	1260	4	0	9	3		1	
12	130	126	126	125	124				123	125	125	131	1300	130	
3	4	2	2	1	2	1217	1269	1242	7	1	2	5		4	
12	128	124	124	123	122				121	123	123	129	1281	128	
4	8	5	6	4	6	1198	1253	1226	8	3	4	8		8	
12	126	123	122	121	120				119	121	121	127	1264	126	
5	9	0	8	6	6	1182	1234	1207	8	5	7	9		9	
12	125	121	121	120	118				117	119	120	125	1247	125	
6	3	2	1	0	8	1163	1215	1186	7	5	0	8		3	
12	123	119	119	118	116				115	117	118	124	1229	123	
7	2	5	3	0	9	1146	1193	1166	9	6	0	2		2	
12	121	117	117	115	115				114	115	116	122	1209	121	
8	4	6	3	9	0	1124	1173	1147	0	6	3	1		4	
12	119	115	115	114	112				111	113	114	119	1187	119	
9	3	8	3	2	8	1104	1151	1124	6	6	2	9		3	
13	117	113	113	111	110				109	111	111	117	1167	117	
0	1	9	3	9	7	1084	1127	1102	5	3	9	7		1	
13	115	111	111	109	108				107	109	110	115	1146	115	
1	2	9	2	7	6	1063	1104	1081	4	2	2	5		2	
13	113	109	109	107	106				105	107	108	113	1126	113	
2	0	9	2	7	4	1043	1081	1058	3	0	1	2		0	
13	110	107	106	105	104				103	104	106	111	1100	110	
3	8	7	8	3	1	1018	1057	1036	0	6	0	0		8	
13	108	105	104	103	101				100	102	103	108	1081	108	
4	6	5	4	2	8	998	1031	1011	7	1	6	4		6	
13	106	103	102	100	996				980	971	998	101	1055	106	
5	3	2	2	9		973	1006	987				2		3	
13	103	101	995	985	970				957	948	974	962	989	103	
6	9	0				952	981	960					984	2	
13	101	987	974	962	946				934	925	947	940	965	100	
7	4					927	957	937					962	6	
13	992	964	950	936	922				910	900	923	916	943	939	
8						904	932	912						982	

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

13	966	938	925	911	898	876	904	887	883	870	898	891	918	914	955	958	966
9																	
14	939	914	903	887	869	854	877	862	855	850	871	863	893	889	930	932	939
0																	
14	913	887	876	858	846	829	850	832	830	824	846	840	868	867	901	903	913
1																	
14	884	861	851	831	820	801	821	803	801	796	820	814	843	840	872	871	884
2																	
14	860	832	826	807	789	775	792	776	772	770	792	788	815	812	848	848	860
3																	
14	832	805	798	778	763	748	764	748	744	744	763	758	788	788	817	819	832
4																	
14	802	779	771	751	735	720	730	717	715	717	731	731	759	757	790	788	802
5																	
14	772	751	741	722	706	689	700	687	683	685	701	703	730	730	758	757	772
6																	
14	743	721	710	694	673	660	670	654	654	656	671	673	700	701	726	727	743
7																	
14	710	692	680	663	645	631	636	624	625	627	639	643	670	670	695	693	710
8																	
14	678	660	650	631	615	602	606	594	595	595	610	613	640	641	661	662	678
9																	
15	646	631	623	602	586	574	576	566	565	567	580	585	611	610	631	633	646
0																	
15	614	595	592	571	554	542	545	538	533	539	550	553	582	580	598	603	614
1																	
15	584	564	558	539	525	515	513	506	506	511	518	524	552	552	566	571	584
2																	
15	552	533	528	509	496	484	483	477	474	480	488	494	522	526	532	541	552
3																	
15	518	503	499	480	466	454	454	447	446	451	460	461	489	496	503	509	518
4																	
15	486	473	468	450	436	425	425	414	417	419	427	433	459	468	470	476	486
5																	
15	456	442	439	423	407	396	390	384	387	389	398	404	428	439	440	450	456
6																	

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

15	426	412	406	391	379	366	360	354	358	358	368	376	395	409	410	417	426
7																	
15	394	380	374	364	349	334	331	322	326	332	340	344	368	377	378	388	394
8																	
15	365	352	342	332	321	306	301	294	298	305	310	317	339	347	351	356	365
9																	
16	335	323	314	304	293	277	273	268	269	276	283	290	308	316	325	328	335
0																	
16	304	295	286	278	265	251	247	241	240	248	255	264	280	291	299	302	304
1																	
16	278	271	257	250	236	228	221	213	217	221	228	235	255	262	269	275	278
2																	
16	246	243	230	224	211	202	193	190	193	196	201	208	228	236	243	243	246
3																	
16	216	214	203	198	187	175	169	166	166	172	176	184	202	211	218	219	216
4																	
16	190	191	180	174	162	152	147	141	143	151	153	158	177	186	191	192	190
5																	
16	169	166	157	150	141	131	125	121	122	129	131	138	155	161	168	169	169
6																	
16	145	141	134	130	121	113	105	102	105	109	111	119	133	135	144	144	145
7																	
16	123	120	112	110	98	91	88	85	87	90	93	99	113	115	124	122	123
8																	
16	102	101	95	90	83	74	71	68	69	74	77	80	94	97	103	104	102
9																	
17	85	83	78	74	67	60	57	55	56	59	61	66	78	78	84	86	85
0																	
17	69	65	62	58	53	46	44	43	42	45	48	52	61	64	68	70	69
1																	
17	55	52	49	46	40	36	35	33	33	35	38	40	49	50	52	54	55
2																	
17	41	40	38	35	32	27	26	25	25	27	28	30	37	39	39	41	41
3																	
17	32	29	27	26	24	21	19	19	19	20	21	23	28	30	30	31	32
4																	

Laboratory: Belling Test Laboratory Co., LTD A2LA Certificate# 4810.01

Unit 401, No. 309 Xinxin Seven Road, Zengcheng District,
Guangzhou, People's Republic of China. info@bellingtest.com

Report Format Number BL-FM-SA-012



Report No.: BLC2009007E-A

Certificate#4810.01

17 5	25	22	21	20	17	16	15	14	15	15	16	17	21	22	23	23	25
17 6	18	17	15	14	14	12	12	12	12	12	12	13	15	16	17	18	18
17 7	12	12	12	11	11	10	11	10	9	10	10	10	12	13	13	13	12
17 8	11	10	9	9	9	8	9	9	9	9	9	8	9	10	10	10	11
17 9	9	9	9	8	8	8	8	8	8	9	8	8	8	8	8	8	9
18 0	8	8	8	8	8	8	7	8	8	8	8	8	8	7	8	8	8



Report No.: BLC2009007E-A

3. Test Equipment

Equipment Name	Model No.	Serial No.	Next Calibration Date
Goniophotometric System	GPM-3000	DYHXF120001	2021/2/26
AC Power Source	CHP-500C	N/A	2021/3/29
Total Luminous Flux Standard Lamp	24V/150W	DYJYR040040	2021/3/1
Digital Power Meter	WT500	DYDWQ200006	2021/3/29
Integral Sphere (2M)	2M	DYJCE120067	2021/2/26
Digital Power Meter	WT500	DYDWQ200006	2021/3/29
Optical Color and Electrical Measurement System	CMS-3000S	DYJCE120067	2021/2/26
Expand Uncertainty: Photometric Measurement (Sphere): 2.08%, k=2 Chromaticity Measurement(Sphere):25.6K, k=2 Photometric Measurement(Goniophotometer):2.645%, k=2			

***** END OF REPORT *****