

TEST REPORT

LED Street Light

Test Model: AOK-240WiLH-NV-A5-00-4080-T2-A

Report Number : LCSB02256034S

Applicant : AOK Industrial Company Limited
1/F of 1#Building, East Block of 3/F of Building 1, And 2/F of Building 4, ST George's Science and Technology Industrial
Address : Park, Northside of Xinyu Road, Xiangshan Community, Xinqiao Street Baoan District, 518000 Shenzhen, Guangdong, CHINA

Manufacturer : AOK Industrial Company Limited
1/F of 1#Building, East Block of 3/F of Building 1, And 2/F of Building 4, ST George's Science and Technology Industrial
Address : Park, Northside of Xinyu Road, Xiangshan Community, Xinqiao Street Baoan District, 518000 Shenzhen, Guangdong, CHINA

Prepared by : Shenzhen Southern LCS Compliance Testing Co., Ltd.
Address : 101-201, Building 39, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, China

Date of receipt sample : January 22, 2026
Date of test : January 23, 2026 to January 27, 2026
Date of issue : March 11, 2026

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full. without prior written permission of the company, The report would be invalid without specific stamp of test institute and the signatures of approver.



TEST REPORT

Testing Laboratory.....:	Shenzhen Southern LCS Compliance Testing Co., Ltd. 101-201, Building 39, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District, Shenzhen, China	
Test Specification:		
Standard.....:	ANSI/IES LM-79-19: Approved Method for Electrical and Photometric Measurements of Solid-State Lighting Products	
Test item description.....:	LED Street Light	
Trademark..... :		
Test Model/Type.....:	AOK-240WiLH-NV-A5-00-4080-T2-A	
Rating..... :	AC120-277V, 50/60Hz, 240W	
Test Results	Please see the following test data	
Prepare by.....:	Seth Cai (Project Engineer)	<i>Seth Cai</i>
Check by.....:	Ian Luo (Director)	<i>Ian Luo</i>
Approved by	Jesse Liu (Manager)	<i>Jesse Liu</i>
Test Report Form No.....:	TRF-4-S-123 A/0	
TRF Originator.....:	Shenzhen Southern LCS Compliance Testing Co., Ltd.	
Master TRF.....:	/	
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1. Test Method

Test Item.....:	Integrating Sphere Test
Ambient Condition	25.2°C
Stabilization time	32 min
Orientation(burning position) of SSL product during test	down
Test Method	The sample was tested according to the ANSI/IES LM-79-19. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. 4π geometry was used during measurement. The sample was self-absorption correction used for integrating sphere, then operated at rated voltage and was stabilized before measurement. Chromaticity coordinates, correlated color temperature and color rendering index were calculated from the spectral radiant flux measurements taken at 1 nm intervals over the range of 380 to 780 nm.
Test Item.....:	Goniophotometer Test
Ambient Condition.....:	24.5°C
Stabilization time	33 min
Orientation(burning position) of SSL product during test	down
Test Method.....:	The sample was tested according to the ANSI/IES LM-79-19. Photometric paramters were measured using a type C goniophotometer and software. The sample reference plane was located at the center of the sample goniometer at a test distance of 26m from the detectors. The samples were operated at rated voltage and was stabilized before measurement. Luminous flux, Luminous efficacy, zonal flux were calculated from the software taken at 1° vertical intervals and 22.5°horizontal intervals.

Remarks.....:	The general information of applicant and manufacturer (such as the name and address), product name, model/type reference, trademark and other similar information contained in this report are all provided by the applicant, the laboratory is not responsible for verifying its authenticity.
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REVISION HISTORY

Revision	Issue Date	Revision Content	Revised by
000	March 11, 2026	Initial Issue	Seth Cai

Remark:

000) : “---”

Original Test Report “LCSB04285103S” dated January 28, 2026.

Modify item:

Applicant/Manufacturer: AOK Industrial Company Limited

Address: 1/F of 1#Building, East Block of 3/F of Building 1, And 2/F of Building 4, ST George’ s Science and Technology Industrial Park, Northside of Xinyu Road, Xiangshan Community, Xinqiao Street Baoan District, 518000 Shenzhen, Guangdong, CHINA



Trademark:

Model: AOK-240WiLH-NV-A5-00-4080-T2-A

This co-license test report is based on the test raw-data of original test report, after construction/information review and verification, no additional tests were considered necessary.

2. Product Information

Product description.....:	LED Street Light
Model Number.....:	AOK-240WiLH-NV-A5-00-4080-T2-A
Rated Inputs.....:	AC120-277V
Rated Power.....:	240W
Declared CCT.....:	4000K
Date of Receipt Samples.....:	January 22, 2026
Quantity of Receipt Samples.....:	1 unit

3. Test equipment list

Manufacturer	Description	Equipment ID	Model	Calibration Date	Calibration Due Date
EVERFINE	Full-field Speed Goniophotometer	SLCS-S-112	GO-R5000	2025/05/27	2026/05/26
EVERFINE	Digital Power Meter	SLCS-S-103	PF2010	2025/05/27	2026/05/26
EVERFINE	AC Testing Power Source	SLCS-S-115	DPS1060	2025/05/27	2026/05/26
EVERFINE	Total Spectral Radiant Flux Standard Lamp	SLCS-S-143	D908S	2025/06/02	2026/06/01
EVERFINE	2 Meter Integrating Sphere	SLCS-S-312	HAAS2000	2025/05/27	2026/05/26
EVERFINE	Digital Power Meter	SLCS-S-309	PF9810	2025/05/27	2026/05/26
EVERFINE	AC Testing Power Source	SLCS-S-310	DPS1005	2025/05/27	2026/05/26
EVERFINE	DC Testing Power Source	SLCS-S-311	WY605	2025/05/27	2026/05/26
OSRAM	Standard Lamp	SLCS-S-313	DC24V/50W	2025/06/02	2026/06/01

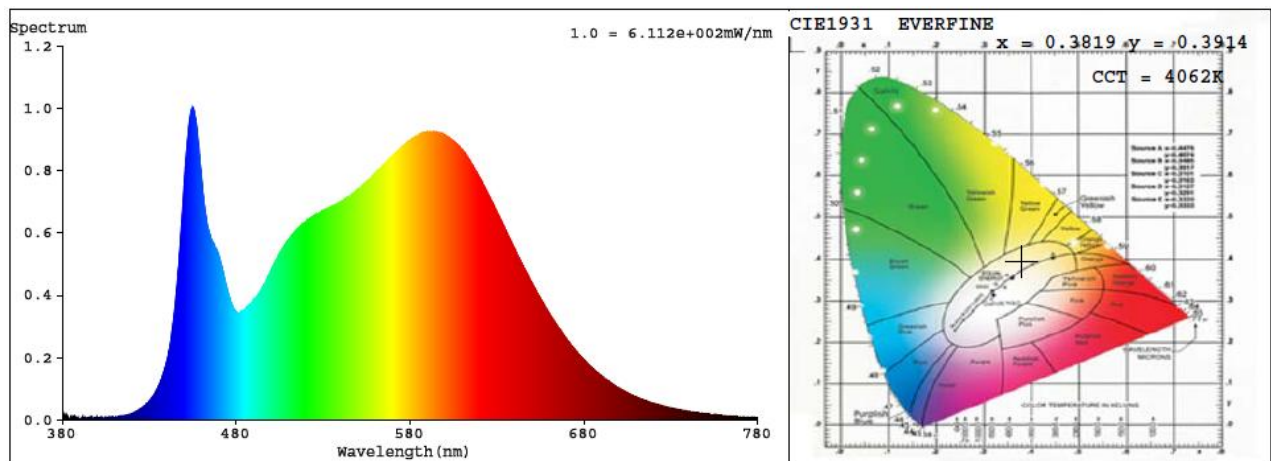
4. Integrating Sphere Test Results

4.1 Test Data

Test type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power Factor	Power (W)
Input	230.05	59.99	1.025	0.9863	232.5

Test type	CCT (K)	CRI	Duv	Luminous flux (lm)	Luminous efficacy(lm/W)
Output	4062	82.2	6.29e-03	40511.0	174.24

4.2 Spectrum



Colorimetric Parameters

Chromaticity Coordinate: $x = 0.3819$ $y = 0.3914$ / $u' = 0.2203$ $v' = 0.5081$ ($duv=6.29e-03$)

CCT= 4062K Prcp WL: $L_d=575.9nm$ Purity=32.1%

Peak WL: $L_p=455nm$ FWHM: $=24.4nm$ Ratio:R=17.7% G=78.3% B=4.0%

Render Index: $R_a = 82.2$ TM30:Rf=83 Rg=91

R1 =80 R2 =91 R3 =96 R4 =78 R5 =80 R6 =88 R7 =84
 R8 =61 R9 =0 R10=78 R11=78 R12=58 R13=83 R14=98 R15=72
 LEVEL:OUT

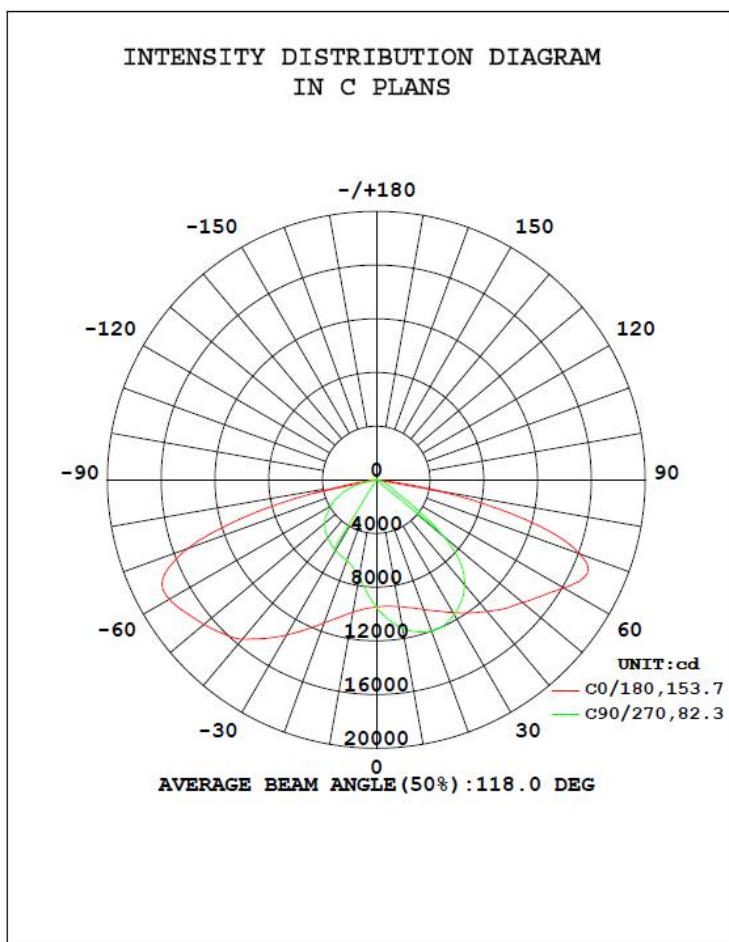
5. Goniophotometer Test results

5.1 Test Data

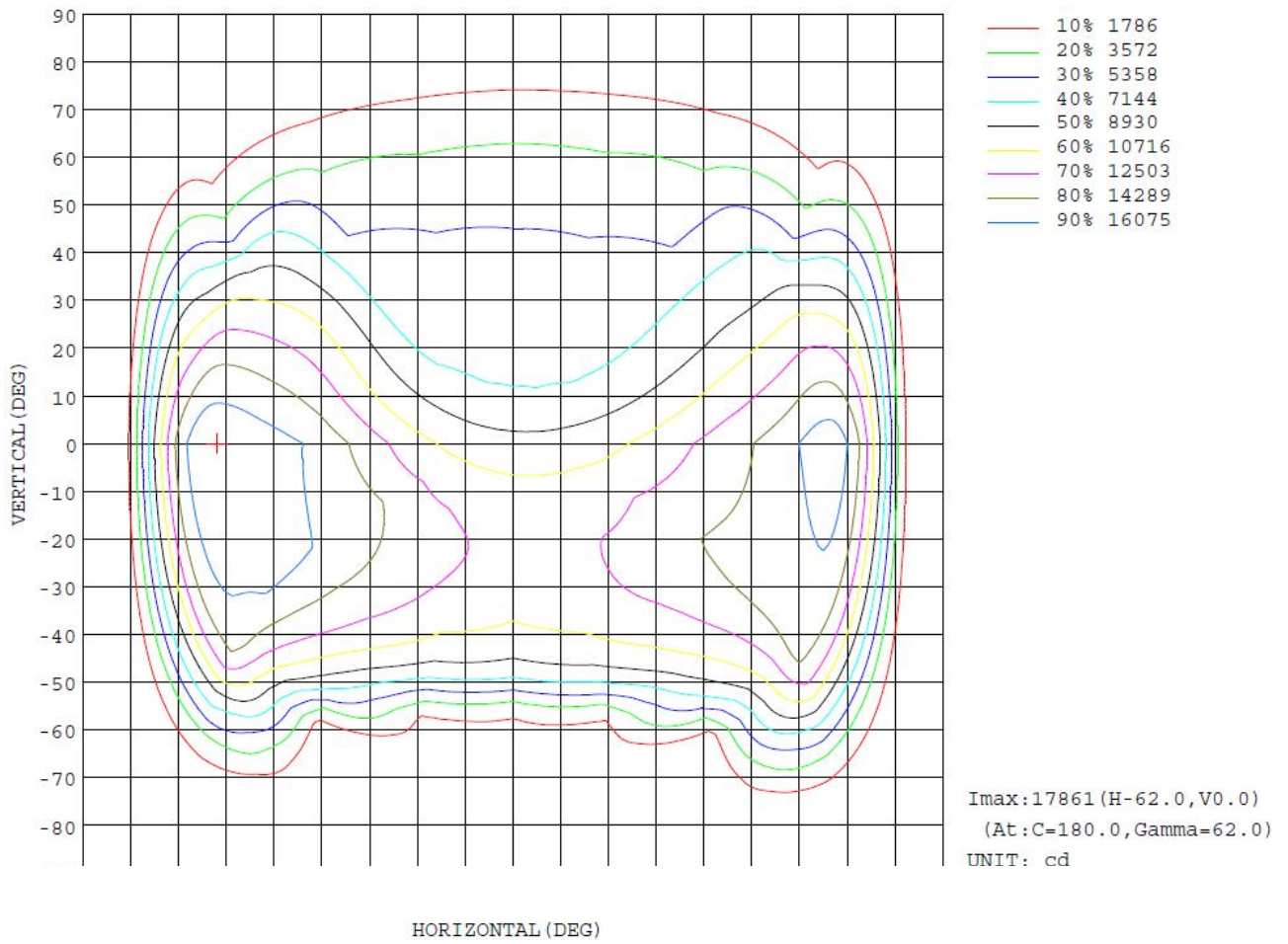
Test type	Voltage (V AC)	Frequency (Hz)	Current (A)	Power Factor	Power (W)
Input	230.2	60.01	1.026	0.9863	232.9

Test type	Total Flux (lm)	Luminous efficacy(lm/w)	Imax (cd)	Spacing Criteria (0~180°)	Spacing Criteria (90~270°)
Output	40673.3	174.62	17865	N/A	N/A

5.2 Luminous Intensity Distribution Diagram



5.3 Isocandela Diagram



5.4 Luminous Distribution Intensity Data

Table--1

UNIT: $\times 10\text{cd}$

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947	947			
5	945	985	1017	1036	1044	1042	1028	1002	964	920	880	851	839	845	869	905			
10	959	1031	1082	1111	1123	1127	1112	1071	1001	906	818	763	743	753	797	875			
15	986	1086	1143	1164	1173	1191	1193	1154	1058	906	769	699	675	685	739	854			
20	1027	1147	1196	1197	1198	1232	1263	1246	1134	918	732	658	641	644	700	843			
25	1080	1214	1238	1208	1194	1247	1320	1342	1229	944	700	637	624	624	666	841			
30	1142	1280	1265	1195	1158	1227	1351	1438	1335	991	678	622	607	608	644	848			
35	1211	1342	1279	1160	1103	1178	1356	1517	1442	1052	664	603	586	590	627	863			
40	1281	1396	1269	1100	1023	1105	1331	1575	1549	1115	648	579	563	565	607	880			
45	1356	1442	1224	1007	892	993	1276	1605	1619	1156	621	547	536	538	581	895			
50	1422	1469	1150	834	654	788	1181	1624	1674	1146	573	503	501	501	544	899			
55	1505	1484	1023	509	304	426	1014	1624	1728	1090	517	455	449	456	499	878			
60	1611	1480	814	177	148	157	749	1593	1778	972	457	383	389	388	447	831			
65	1710	1474	447	119	109	110	273	1551	1755	719	360	324	327	330	365	674			
70	1610	1417	90.5	75.7	62.9	68.0	79.9	1284	1492	378	262	245	255	255	279	429			
75	1151	966	55.3	38.7	27.8	33.6	46.4	709	912	166	147	151	149	166	177	225			
80	436	367	22.3	12.7	8.11	9.49	15.3	190	216	52.4	54.2	54.9	37.5	64.6	79.7	83.1			
85	35.4	38.9	3.42	1.07	0.96	0.96	1.37	9.11	12.2	12.4	12.4	13.0	12.5	15.0	17.7	19.5			
90	3.38	3.18	1.02	0.29	0.22	0.25	0.37	1.96	2.86	1.23	0.59	0.68	0.49	0.59	0.77	1.94			
95	2.07	1.65	0.58	0.26	0.22	0.26	0.31	1.00	2.16	1.35	0.39	0.34	0.25	0.34	0.43	1.47			
100	1.85	1.21	0.47	0.27	0.22	0.26	0.32	0.80	2.13	1.73	0.51	0.25	0.22	0.22	0.41	1.68			
105	1.87	1.16	0.48	0.35	0.33	0.33	0.42	0.90	2.46	2.21	0.83	0.24	0.21	0.23	0.69	2.06			
110	2.03	1.15	0.50	0.48	0.46	0.46	0.50	1.22	2.81	2.50	1.24	0.44	0.32	0.37	1.06	2.50			
115	2.06	1.30	0.62	0.61	0.59	0.54	0.62	1.31	2.79	2.64	1.58	0.77	0.52	0.64	1.41	2.89			
120	2.14	1.44	0.77	0.71	0.70	0.63	0.71	1.33	2.77	2.66	1.69	1.03	0.76	0.84	1.72	2.95			
125	2.35	1.59	0.92	0.91	0.91	0.78	0.83	1.49	2.35	2.46	1.72	1.12	0.95	0.90	1.82	2.82			
130	2.48	1.74	1.15	1.08	1.03	0.91	0.94	1.54	2.08	2.03	1.85	1.50	1.21	1.32	2.07	2.64			
135	2.49	1.85	1.34	1.22	1.19	1.07	1.07	1.58	1.76	1.87	1.88	1.58	1.59	1.72	2.20	2.58			
140	2.77	2.17	1.58	1.46	1.37	1.33	1.30	1.83	1.79	1.96	1.97	2.02	1.74	2.20	2.31	2.57			
145	2.86	2.32	1.80	1.62	1.55	1.48	1.50	1.86	1.84	2.01	2.16	2.44	2.11	2.53	2.52	2.59			
150	2.86	2.47	2.06	1.84	1.75	1.69	1.72	1.89	2.02	2.17	2.39	2.74	2.42	2.87	2.78	2.66			
155	2.85	2.56	2.23	2.03	1.85	1.76	1.91	1.91	2.30	2.38	2.76	2.98	2.84	3.12	2.86	2.71			
160	2.85	2.63	2.33	2.19	2.03	1.93	2.01	2.00	2.50	2.56	2.79	3.02	3.12	3.19	2.91	2.76			
165	2.87	2.73	2.51	2.39	2.19	2.17	2.14	2.19	2.55	2.58	2.81	3.02	3.36	3.26	2.95	2.81			
170	3.05	2.99	2.83	2.68	2.48	2.46	2.50	2.48	2.66	2.67	2.85	3.03	3.60	3.33	3.00	2.86			
175	3.28	3.25	3.10	2.93	2.82	2.83	2.82	2.82	3.07	3.00	2.90	3.04	3.85	3.40	3.05	2.90			
180	3.29	3.28	3.25	3.07	3.05	3.10	2.99	2.91	3.29	3.33	2.95	3.04	4.09	3.47	3.10	2.95			

6. Photo of sample

Photo document

Photos of AOK-240WiLH-NV-A5-00-4080-T2-A



----- End of test report-----