



Ningbo TengLi Testing Co., Ltd

2nd floor, Block B, Ningbo Testing and Certification Base, No. 66
Qingyi Road, Ningbo National Hi-Tech Zone, Ningbo, Zhejiang
Tel: 86574-8783 6802
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LM-79-08 Test Report

For

Antec Lighting Inc

(Brand Name: )

Uniy C, 3979 E Guasti Road, Ontario, CA 91761

Model name(s):

AOK-82WiE-NV-LV2-XX-XX70-T302-P

Report Type: Testing and Report According to IES LM-79-2008

Type of Luminaire: Outdoor Pole/Arm-Mounted Area and Roadway Luminaires

Report Date: 2019-03-20

Ningbo TengLi Testing Co., Ltd

Prepared By: 2nd floor, Block B, Ningbo Testing and Certification Base,
No. 66 Qingyi Road, Ningbo National Hi-Tech Zone,
Ningbo, Zhejiang

Test & Report By:

Xeon Ren

Engineer: Xeon Ren

Review By:

Johnson Sun

Manager: Johnson Sun

Note: 1. The results contained in this report pertain only to the tested samples

2. This report does not imply product certification, approval, or endorsement by A2LA, or any agency of the Federal Government.

Report No.: JAE190121-L-R1-PL

Report Format Number STD/QP019-409-A/0-NB

<http://www.standard-tech.com>



1.1 Product Information:		
Model Number	AOK-82WiE-NV-LV2-XX-XX70-T302-P	
Remark	The first “XX” can be “00” =no photocontrol or “PH”=photocontrol provided. The second “XX” could be 27/30/35/40/45/50/57 refers to CCT. This is multiple listed report, the Project Number of the original report is JAE190121-L-R1.	
Representative (Tested) Model	AOK-82WiE-NV-LV2-00-2770-T302-P	
Model Difference	All construction and rating are the same, except CCT	
SKU (if available)	N/A	
Type of Luminaire (for integral lamps, list base type and lamp type)	Outdoor Pole/Arm-Mounted Area and Roadway Luminaires	
LED Manufacturer	Lumileds	
LED Model	LUXEON V Family	
Dimming	Dimmable	
Sample Number	JAE190121-L1	
Date of Receipt	Feb.23, 2019	
Luminaire Aperture (for downlights)	--	in.
Luminaire Length	--	mm
Luminaires Width	--	mm
Number of Units (modular products)	N/A	s

1.2 Rated Values:	
Rated Voltage / Frequency	100-277Vac, 50/60Hz
Nominal Power	82W
Rated Initial Lamp Lumen	--
Declared CCT	2700K,3000K,3500K,4000K,4500K,5000K, 5700K



1.3 Test Specifications:

Test item	1. Total Luminous Flux 2. Luminous Distribution Intensity 3. Luminous Efficacy 4. Electrical Parameters
Reference Standard	1. IES LM-79-2008 Electrical and Photometric Measurements of Solid-State Lighting Products 2. ANSI C78.377-2015 Specifications for the Chromaticity of Solid State Lighting Products 3. CIE 13.3-1995 Method of Measuring and Specifying Colour Rendering Properties of Light Sources 4. CIE 15-2004 Technical Report Colorimetry 5. IESNA LM-16-93 Practical Guide to Colorimetry of Light Source 6. IESNA TM-16-05 Technical Memorandum on Light Emitting Diode (LED) Sources and Systems
Reference Work Instruction	QD25

1.4 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) 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.



2.1 Summary of Test Result

Criteria Item	Measured Value			Compliance	Requirement (DLC V4.4)	
Power (W)	2700K	120V	82.18	N/A	N/A	
		277V	81.65			
Power Factor	2700K	120V	0.9884	Pass	$\geq 0.9(-3\%)$	
		277V	0.8731			
THD %	2700K	120V	11.34	Pass	$\leq 20(+5)$	
		277V	24.81			
Luminous Intensity Distribution	Zonal lumens in the 0-90 °		100	Pass	$\geq 100(-1)$	
	Zonal lumens in the 80-90 °		0.5	Pass	$\leq 10(+3)$	
Total Luminous	2700K	120V	10315	Pass	$\geq 1000(-10\%)$	
		277V	10294			
Luminous Efficacy	2700K	120V	125.52	Pass	Standard: $\geq 100(-3\%)$	Premium: $\geq 120(-3\%)$
		277V	126.07			



2.2 Electrical, Photometric and Chromaticity Measurements

Test date	2019-02-25	Test Ambient:	25.2 °C
Test Orientation	As intended	Stabilization Time (min)	90
Model Number	AOK-82WiE-NV-LV2-00-2770-T3 02-P		

Electrical Measurement:

Sample No.	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD %
JAE190121-L1	120.0	60	0.6929	82.18	0.9884	11.34
	277.0	60	0.3376	81.65	0.8731	24.81

Photometric Measurement – Goniophotometer Method:

Parameter	Result	
Test Voltage (V)	120.0	277.0
Frequency (Hz)	60	60
Total Luminous (lm)	10315	10294
Luminous Efficacy (lm/W)	125.52	126.07
Zonal lumens in the 0-90 °	100	--
Zonal lumens in the 80-90 °	0.5	--
Beam Angle (°)	107.4	--
Center Beam Candle Power (cd)	2412	--

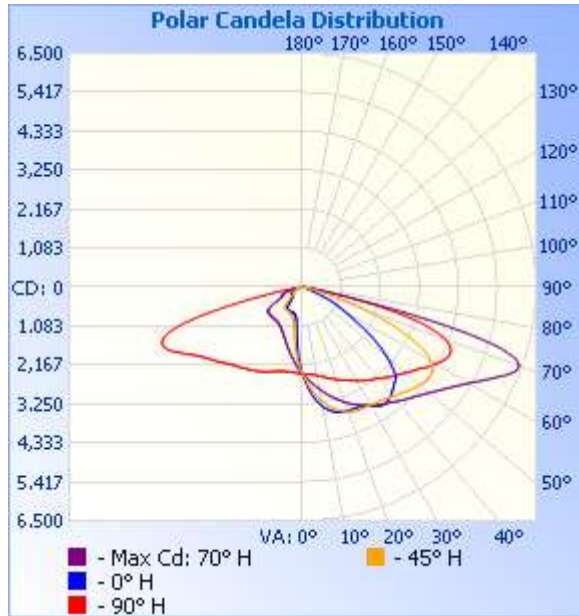


Zonal Lumen Tabulation

Zonal Lumen Summary		
Zone	Lumens	% Luminaire
0-30	1,953.1	18.9%
0-40	3,474.4	33.7%
0-60	7,365.2	71.4%
60-90	2,949.6	28.6%
70-100	1,049.3	10.2%
90-120	0	0%
0-90	10,314.8	100%
90-180	0	0%
0-180	10,314.8	100%

Lumens Per Zone					
Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	222.9	2.2%	90-100	0	0%
10-20	648.4	6.3%	100-110	0	0%
20-30	1,081.8	10.5%	110-120	0	0%
30-40	1,521.3	14.7%	120-130	0	0%
40-50	1,867.8	18.1%	130-140	0	0%
50-60	2,022.9	19.6%	140-150	0	0%
60-70	1,900.3	18.4%	150-160	0	0%
70-80	1,002.0	9.7%	160-170	0	0%
80-90	47.3	0.5%	170-180	0	0%

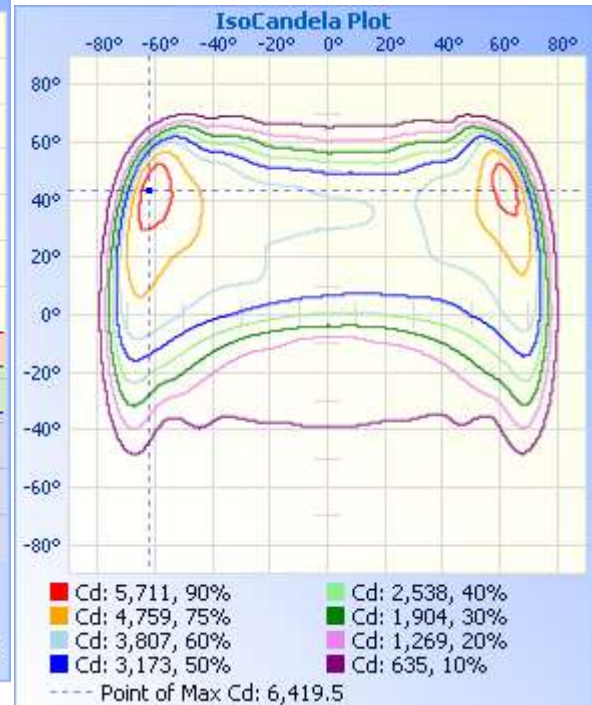
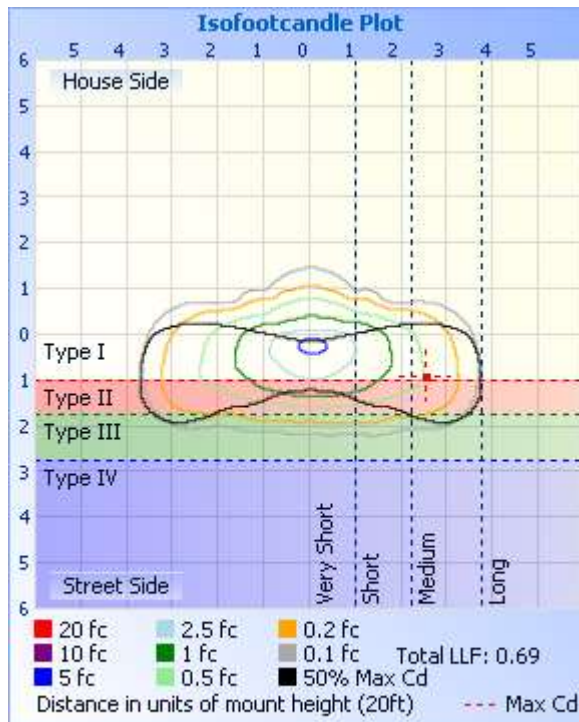
Photometric Data



Illuminance at a Distance

Center Beam fc	Beam Width	Beam Width
3.3ft	221.5 fc	4.7 ft 18.2 ft
6.6ft	55.4 fc	9.4 ft 36.3 ft
9.9ft	24.6 fc	14.1 ft 54.5 ft
13.2ft	13.8 fc	18.8 ft 72.7 ft
16.5ft	8.9 fc	23.5 ft 90.9 ft
19.8ft	6.2 fc	28.2 ft 109.0 ft

■ Vert. Spread: 71.0°
 ■ Horiz. Spread: 140.1°





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Table--1

UNIT: ed

C (DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412
5	2389	2447	2503	2555	2603	2650	2696	2737	2776	2813	2848	2878	2904	2927	2948	2963	2975	2985	2995
10	2385	2500	2598	2690	2782	2870	2947	3008	3068	3127	3178	3215	3249	3283	3313	3333	3350	3368	3385
15	2417	2584	2713	2838	2961	3076	3160	3225	3290	3353	3401	3432	3462	3491	3517	3537	3554	3572	3591
20	2494	2698	2848	2993	3137	3258	3334	3387	3439	3491	3523	3542	3560	3578	3596	3611	3626	3642	3657
25	2593	2821	2987	3149	3310	3426	3473	3493	3512	3532	3552	3571	3589	3606	3622	3636	3650	3664	3677
30	2677	2920	3101	3280	3457	3567	3579	3559	3538	3520	3548	3592	3636	3680	3715	3740	3762	3785	3808
35	2765	3014	3201	3388	3574	3677	3667	3628	3588	3553	3596	3663	3732	3800	3850	3881	3910	3938	3970
40	2864	3113	3307	3499	3690	3791	3778	3738	3699	3662	3684	3724	3764	3805	3830	3840	3851	3858	
45	2998	3253	3457	3660	3860	3959	3931	3878	3826	3775	3751	3732	3716	3701	3689	3681	3673	3664	3658
50	3183	3444	3658	3871	4081	4170	4115	4037	3959	3880	3763	3641	3523	3406	3321	3267	3215	3160	3108
55	3385	3667	3904	4140	4373	4442	4323	4179	4038	3894	3611	3310	3012	2719	2531	2452	2381	2308	2235
60	3718	4027	4286	4544	4798	4793	4508	4196	3890	3585	3176	2751	2325	1900	1649	1568	1498	1428	1352
65	4126	4502	4826	5146	5456	5303	4659	3977	3307	2659	2277	1921	1562	1201	985	918	858	799	737
70	4120	4679	5207	5736	6251	5975	4881	3728	2587	1484	1173	930	683	434	298	281	271	259	246
75	2569	2908	3275	3679	4093	3946	3130	2232	1290	337	254	234	214	189	176	172	169	165	162
80	570	535	493	449	406	360	314	260	195	123	120	120	120	120	117	111	104	97.8	90.9
85	20.7	25.4	30.1	34.8	39.4	41.5	40.6	39.3	37.5	35.6	37.8	40.5	43.1	45.5	45.5	42.6	39.4	36.0	32.5
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



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Table--2

UNIT: ed

C (DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412
5	2991	2987	2981	2970	2955	2935	2914	2887	2855	2821	2784	2744	2697	2649	2599	2547	2491	2434	2375
10	3381	3377	3374	3366	3347	3321	3296	3267	3223	3172	3120	3066	2993	2906	2815	2724	2625	2504	2379
15	3593	3595	3598	3598	3587	3571	3555	3537	3501	3450	3397	3343	3268	3156	3034	2911	2783	2607	2405
20	3666	3674	3683	3691	3695	3696	3696	3696	3683	3650	3616	3581	3518	3400	3251	3101	2947	2730	2449
25	3688	3698	3707	3717	3727	3736	3744	3753	3758	3758	3759	3760	3727	3611	3442	3272	3098	2854	2502
30	3807	3806	3805	3803	3799	3792	3785	3778	3783	3821	3863	3904	3908	3804	3627	3447	3265	3007	2591
35	3966	3966	3965	3962	3945	3914	3883	3852	3842	3899	3961	4022	4052	3961	3781	3600	3419	3159	2697
40	3888	3919	3950	3979	3984	3969	3954	3941	3945	4018	4095	4171	4219	4134	3946	3758	3567	3305	2807
45	3716	3777	3838	3897	3943	3978	4014	4051	4098	4180	4264	4347	4405	4328	4143	3956	3769	3512	2965
50	3229	3352	3474	3593	3718	3846	3976	4109	4240	4347	4454	4561	4644	4575	4377	4177	3978	3712	3120
55	2384	2533	2680	2832	3067	3383	3703	4026	4332	4495	4655	4817	4954	4903	4685	4464	4242	3956	3296
60	1484	1610	1735	1872	2182	2671	3161	3653	4121	4431	4737	5049	5334	5342	5095	4843	4589	4269	3449
65	835	930	1025	1130	1416	1878	2338	2795	3266	3893	4538	5194	5812	5940	5606	5260	4910	4500	3533
70	264	281	296	322	506	848	1187	1523	1913	2967	4054	5148	6183	6419	5884	5338	4794	4219	3289
75	167	172	177	183	221	287	348	406	514	1401	2283	3134	3918	4079	3706	3335	2994	2671	2059
80	99.7	108	116	125	130	133	135	137	142	212	275	330	377	419	453	488	522	543	430
85	38.0	43.3	48.4	53.3	54.8	53.0	51.1	49.1	47.4	50.0	52.4	54.4	56.0	54.4	50.1	45.7	41.2	36.6	32.7
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00



UNIT: ed

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Table--4

UNIT: °C

C (DEG) T (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355			
0	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412	2412			
5	1685	1705	1730	1763	1806	1851	1897	1943	1994	2048	2103	2158	2214	2271	2329			
10	1007	1022	1054	1107	1172	1239	1310	1398	1519	1648	1775	1903	2027	2147	2267			
15	805	809	825	852	885	920	963	1055	1199	1353	1509	1672	1850	2041	2230			
20	759	760	767	782	800	818	841	926	1051	1182	1316	1483	1712	1973	2235			
25	748	748	752	763	775	787	804	872	967	1066	1168	1338	1618	1943	2268			
30	750	747	748	756	766	775	788	843	916	991	1071	1250	1568	1938	2308			
35	741	740	743	750	758	765	775	823	882	942	1005	1195	1552	1956	2361			
40	598	606	627	661	695	729	762	812	866	921	978	1182	1570	2000	2432			
45	393	393	419	475	535	596	658	731	805	877	952	1185	1609	2072	2536			
50	355	351	349	352	355	360	371	487	622	757	893	1186	1662	2170	2677			
55	325	320	313	304	296	287	284	408	551	696	845	1174	1708	2269	2829			
60	293	285	277	270	263	256	252	318	396	478	569	939	1615	2322	3023			
65	263	262	256	245	235	224	214	214	215	218	229	635	1477	2361	3244			
70	189	193	194	192	189	186	183	179	175	171	174	581	1430	2318	3212			
75	87.4	92.5	98.4	105	111	118	123	122	120	118	120	361	866	1410	1973			
80	9.24	11.2	16.5	26.6	37.1	47.7	57.9	58.0	57.2	56.4	57.0	103	204	316	438			
85	0.39	0.54	0.87	1.73	2.49	3.42	4.54	6.40	8.33	10.4	12.5	14.2	15.7	17.3	19.1			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
105	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
110	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
115	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
120	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
125	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
130	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
135	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
140	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
145	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			



2.4 Performance Assessment:

Model name	CCT(K)	Total Luminous (lm)	Power (W)	Luminous Efficacy (lm/W)
AOK-82WiE-NV-LV2-00-2770-T302-P	2700K	10315	82.18	125.52
AOK-82WiE-NV-LV2-00-3070-T302-P	3000K	10373	82.18	126.22
AOK-82WiE-NV-LV2-00-3570-T302-P	3500K	10469	82.18	127.39
AOK-82WiE-NV-LV2-00-4070-T302-P	4000K	10564	82.18	128.55
AOK-82WiE-NV-LV2-00-4570-T302-P	4500K	10655	82.18	129.65
AOK-82WiE-NV-LV2-00-5070-T302-P	5000K	10750	82.18	130.80
AOK-82WiE-NV-LV2-00-5770-T302-P	5700K	10808	82.18	131.52

According to the test report JAE190121-A-R

Scaled Methodology Explanation:

18W 3000K eff / 18W 2700K eff = 132.02 / 131.29 = 1.0056

18W 3500K eff / 18W 2700K eff = 133.24 / 131.29 = 1.0149

18W 4000K eff / 18W 2700K eff = 134.45 / 131.29 = 1.0241

18W 4500K eff / 18W 2700K eff = 135.61 / 131.29 = 1.0329

18W 5000K eff / 18W 2700K eff = 136.82 / 131.29 = 1.0421

18W 5700K eff / 18W 2700K eff = 137.56 / 131.29 = 1.0478

3000K eff=2700K eff*1.0056

3500K eff=2700K eff*1.0149

4000K eff=2700K eff*1.0241

4500K eff=2700K eff*1.0329

5000K eff=2700K eff*1.0421

5700K eff=2700K eff*1.0478



3. Test Equipment

Equipment ID	Equipment Name	Last Calibration Date	Next Calibration Date
ST-R-714	Goniophotometer system	Verified by D908S standard lamp	
ST-R-710	Standard Lamp	2019-02-12	2020-02-11
ST-R-711	Power Meter for Goniophotometer	2019-01-06	2020-01-05
Uncertainty: Photometric Measurement (Sphere):1.74% Chromaticity Measurement(Sphere):14.3K Photometric Measurement(Goniophotometer):1.62%			

4. Product Photo



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