

# Photometric Test Report

## Relevant Standards

- ☒ IES LM-79-2008
- ☒ ANSI C82.77:2017

## Prepared For

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## Project Number

**DLF2301106**

## Report Number

**DLF2301106-7aMOD78W**

## Test Date

**2023/1/11**

## Issue Date

**2023/1/16**

## Prepared By



Wangzun Zhu

## Approved By



Kevin Jia

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## 1.0 Test Summary

DLC Technical Requirements v5.1

Outdoor - Pole/Arm-Mounted Area and Roadway Luminaires				
Requirement Category	Test Method	Requirements		Test value
Luminaire Output (lm) (Goniophotometer - Section 4.2)	IES LM-79-2008	1000		10371
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2008	Standard 105	Premium 120	133.8
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		77.5
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77:2014	20.00%	120V	6.33%
		20.00%	277V	13.59%
Power Factor (THD & PF - section 4.3)	ANSI C82.77:2014	0.9	120V	0.997
		0.9	277V	0.872
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2008	7 step	3045±175	2942
		4 step	3045±100	
Minimum CRI (Integrating Sphere - Section 4.1)	IES LM-79-2008 CIE 13.3-1995	≥70		82
Minimum R9 (Integrating Sphere - Section 4.1)	IES LM-79-2008 CIE 13.3-1995	≥-40		3
Minimum Rf (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥70		83
Minimum Rg (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥89		98
Minimum IES Rcs,h1 (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	-18%≤IES Rcs,h1≤+23%		-12%
Zonal Lumen Requirement (0°-90°) (Goniophotometer - Section 4.2)	IES LM-79-2008	100%		100.00%
Zonal Lumen Requirement (80°-90°) (Goniophotometer - Section 4.2)	IES LM-79-2008	≤10%		0.21%
Input Voltage (V)				
(Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		120
(Goniophotometer - Section 4.2)		Non-Worst Case		277
Input Current (A)				
(Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		0.648
(Goniophotometer - Section 4.2)		Non-Worst Case		0.315
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		77.5
(Goniophotometer - Section 4.2)		Non-Worst Case		76.1

## 2.0 Test List

Test Item	Test	Test Date	Model Number	Sample No.
1	Integrating Sphere Test	2023/1/11	ALEDM2TY	G1
2	Goniophotometer Test	2023/1/11	ALEDM2TY	G1
3	THD and PF Test	2023/1/11	ALEDM2TY	G1

### Remark(If any)

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- 2、 The results reported herein have been performed in accordance with the laboratory's terms of accreditation. This report shall not be reproduced except in full without the written approval of the Laboratory. The results in this report apply to the test sample(s) mentioned above at the time of the testing period only and are not to be used to indicate applicability to other similar products. This report does not imply that the product(s) has met the criteria for certification.

## 3.0 Production Description

**Luminaire Description:** ALEDM2TY

**Description:** 78W @ 3000K

**Electrical Specification:** 120V-277V,50/60HZ

### Photos of Luminaire Characteristics



## 4.0 LM-79 Measurement and Test Results

### 4.1 Integrating Sphere Test

Model No.	ALEDM2TY	Sample ID.	G1
Operate time (Min.)	90	Stabilization time (Min.)	45
Temperature (°C)	25.3	Humidity (%RH)	56.0

#### Test Method

The samples were tested according to the IES LM-79-2008.

Photometric 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 voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within  $\pm 0.2$  percent under load.

The sample was measured using  $4\pi$  geometry and 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 Result

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
120.00	60	0.648	77.5	0.997
277.00	60	0.315	76.1	0.872

#### Test Result

CCT (K)	CRI	R9	Duv
2942	82	3	0.0022

Rf	Rg	IES Rcs,h1
83	98	-12%

## 4.0 LM-79 Measurement and Test Results

### 4.2 Goniophotometer Test

Model No.	ALEDM2TY	Sample ID.	G1
Opreate time (Min.)	90	Stabilization time (Min.)	45
Temperature (°C)	25.3	Humidity (%RH)	54.0

#### Test Method

The samples were tested according to the IES LM-79-2008.

Photometric paramters were measured using a type C goniophotometer and software.

The ambient temperature shall be maintained at 25° C ± 1° C, measured at a point not more than 1 m from the sample and at the same height as the sample.

The voltage of an AC power supply (RMS voltage) or DC power supply (instantaneous voltage) applied to the device under test shall be regulated to within ±0.2 percent under load.

The samples were operated at rated voltage and was stabilized before measurement. Luminous flux, luminaire efficacy, zonal lumen were calculated from the software taken at 0.5° vertical intervals and 10° horizontal intervals.

#### Test Conditions

Condition	Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor
WORST CASE	120.00	60	0.648	77.5	0.997
NON-WROST CASE	277.00	60	0.315	76.1	0.872

#### Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
10371	91.8	157.9	61.9	144.0	133.8

Zonal Lumen Requirement (0°-90°)	Zonal Lumen Requirement (80°-90°)	BUG rating
100.00%	0.21%	B3-U0-G1

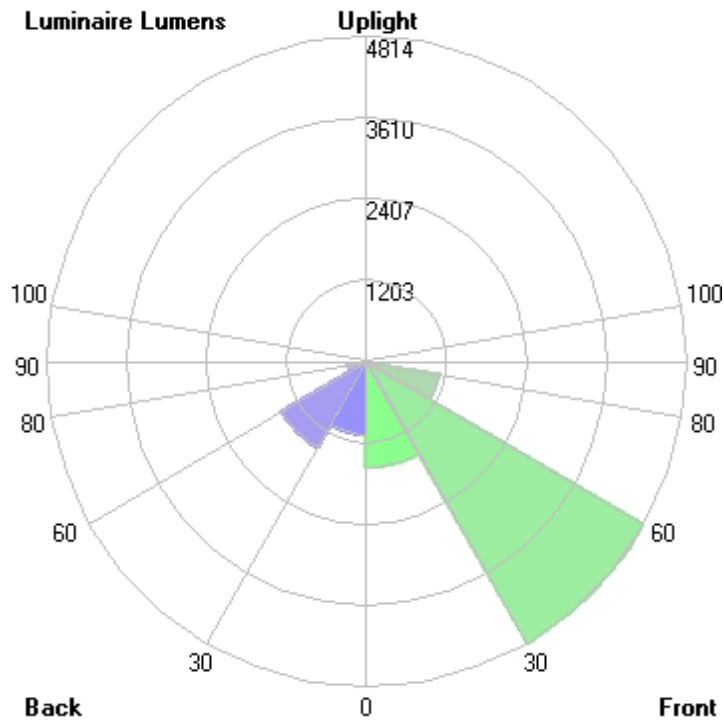
## 4.2 Goniophotometer Test

### Zonal Lumen Summary

	Zonal (lm)		Total (lm)	Percent
0-10	289.70	0 - 10	289.70	2.79%
10-20	893.46	0 - 20	1183.16	11.41%
20-30	1482.51	0 - 30	2665.67	25.70%
30-40	2085.98	0 - 40	4751.65	45.82%
40-50	2329.86	0 - 50	7081.51	68.28%
50-60	1877.14	0 - 60	8958.65	86.38%
60-70	1094.82	0 - 70	10053.47	96.94%
70-80	295.87	0 - 80	10349.34	99.79%
80-90	21.63	0 - 90	10370.97	100.00%
90-100	0.00	0 - 100	10370.97	100.00%
100-110	0.00	0 - 110	10370.97	100.00%
110-120	0.00	0 - 120	10370.97	100.00%
120-130	0.00	0 - 130	10370.97	100.00%
130-140	0.00	0 - 140	10370.97	100.00%
140-150	0.00	0 - 150	10370.97	100.00%
150-160	0.00	0 - 160	10370.97	100.00%
160-170	0.00	0 - 170	10370.97	100.00%
170-180	0.00	0 - 180	10370.97	100.00%

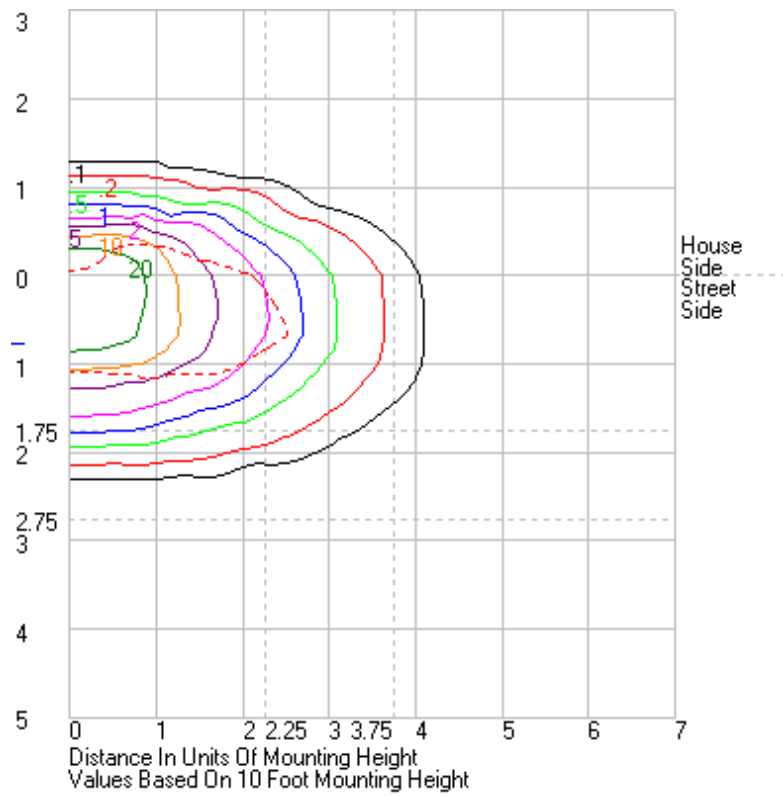
## 4.2 Goniophotometer Test

LCS/BUG



	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1581.9	N.A.	15.3
FM - Front-Medium (30-60)	4813.8	N.A.	46.4
FH - Front-High (60-80)	1110.2	N.A.	10.7
FVH - Front-Very High (80-90)	16.8	N.A.	0.2
BL - Back-Low (0-30)	1083.8	N.A.	10.4
BM - Back-Medium (30-60)	1479.2	N.A.	14.3
BH - Back-High (60-80)	280.5	N.A.	2.7
BVH - Back-Very High (80-90)	4.8	N.A.	0.0
UL - Uplight-Low (90-100)	0.0	N.A.	0.0
UH - Uplight-High (100-180)	0.0	N.A.	0.0
Total	10371.0	N.A.	100.0
BUG Rating	B3-U0-G1		

Isolines





## 4.2 Goniophotometer Test

	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360
0	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77	3134.77
1	3149.14	3147.14	3145.04	3142.61	3139.19	3134.33	3129.9	3125.24	3118.55	3110.32	3102.68	3097.94	3095.68	3097.94	3102.68	3110.32	3118.55	3125.24	3129.9	3134.33	3139.19	3142.61	3145.04	3147.14	3149.14
2	3161.54	3158.36	3158.05	3156.49	3151.91	3143.89	3134.36	3121.88	3102.13	3079.05	3060.07	3045.73	3039.9	3045.73	3060.07	3079.05	3102.13	3121.88	3134.36	3143.89	3151.91	3156.49	3158.05	3158.36	3161.54
3	3161.09	3158.85	3160.84	3164.11	3163.27	3154.38	3140.13	3117.87	3081.17	3039.42	2996.3	2964.3	2956.22	2964.3	2996.3	3039.42	3081.17	3117.87	3140.13	3154.38	3163.27	3164.11	3160.84	3158.85	3161.09
4	3154.23	3153.29	3160.45	3167.52	3173.17	3166.61	3148.5	3113.75	3055.65	2985.5	2920.29	2879.65	2860.36	2879.65	2920.29	2985.5	3055.65	3113.75	3148.5	3166.61	3173.17	3167.52	3160.45	3153.29	3154.23
5	3151.11	3150.96	3156.66	3169.67	3179.9	3180.28	3159.2	3111.14	3026.96	2925.07	2843.74	2794.02	2779.72	2794.02	2843.74	2925.07	3026.96	3111.14	3159.2	3180.28	3179.9	3169.67	3156.66	3150.96	3151.11
6	3146.31	3147.38	3158.23	3170.95	3189.42	3196.35	3173.06	3108.94	2992.11	2865.09	2771.94	2710.92	2691.15	2710.92	2771.94	2865.09	2992.11	3108.94	3173.06	3196.35	3189.42	3170.95	3158.23	3147.38	3146.31
7	3151.73	3151.34	3158.75	3177.19	3199.33	3213.89	3190.35	3107.85	2956.08	2812.07	2704.68	2645.49	2624.5	2645.49	2704.68	2812.07	2956.08	3107.85	3190.35	3213.89	3199.33	3177.19	3158.75	3151.34	3151.73
8	3164.45	3163.44	3167.93	3182.92	3210.4	3233.82	3210.56	3109.23	2922.83	2760.08	2645.87	2591.72	2583.73	2591.72	2645.87	2760.08	2922.83	3109.23	3210.56	3233.82	3210.4	3182.92	3167.93	3163.44	3164.45
9	3194.95	3190.22	3182.95	3193.48	3225.6	3256.16	3235.67	3110.98	2892.55	2712.15	2606.67	2570.88	2559.58	2570.88	2606.67	2712.15	2892.55	3110.98	3235.67	3256.16	3225.6	3193.48	3182.95	3190.22	3194.95
10	3262.59	3241.86	3210.57	3209.93	3242.7	3281.9	3262.95	3114.32	2866.89	2672.63	2589.98	2543.5	2530.17	2543.5	2589.98	2672.63	2866.89	3114.32	3262.95	3281.9	3242.7	3209.93	3210.57	3241.86	3262.59
11	3341.35	3322.62	3264.26	3231.39	3263.28	3309.65	3293.97	3117.75	2842.79	2648.5	2566.48	2521.29	2512.57	2521.29	2566.48	2648.5	2842.79	3117.75	3293.97	3309.65	3263.28	3231.39	3264.26	3322.62	3341.35
12	3433.36	3403.34	3333.25	3263.04	3286.09	3338.74	3325.69	3120.42	2821.53	2638.59	2548.32	2508.87	2497.72	2508.87	2548.32	2638.59	2821.53	3120.42	3325.69	3338.74	3286.09	3263.04	3333.25	3403.34	3433.36
13	3543.31	3510.73	3413.18	3313.32	3313.4	3369.12	3359.28	3126	2804.17	2628.94	2538.15	2493	2481.99	2493	2538.15	2628.94	2804.17	3126	3359.28	3369.12	3313.4	3313.32	3413.18	3510.73	3543.31
14	3661.62	3625.51	3506.99	3379.74	3343.93	3401.86	3395.37	3131.75	2792.91	2619.19	2528.15	2481.14	2470.73	2481.14	2528.15	2619.19	2792.91	3131.75	3395.37	3401.86	3343.93	3379.74	3506.99	3625.51	3661.62
15	3768.58	3732.35	3605.86	3453.43	3377.01	3435.71	3433.12	3139.51	2788.55	2616.93	2518.63	2472.45	2462.89	2472.45	2518.63	2616.93	2788.55	3139.51	3453.43	3435.71	3377.01	3435.43	3605.86	3732.35	3768.58
16	3848.24	3827.58	3717.21	3535.78	3417.4	3472.26	3474.42	3150.06	2793.05	2619.54	2511.27	2461.58	2446.22	2461.58	2511.27	2619.54	2793.05	3150.06	3474.42	3472.26	3417.4	3535.78	3717.21	3827.58	3848.24
17	3884.22	3881.66	3812.39	3624.52	3464.55	3509.74	3517.6	3161.39	2801.24	2621.49	2506.86	2441.01	2411.31	2441.01	2506.86	2621.49	2801.24	3161.39	3517.6	3509.74	3464.55	3624.52	3812.39	3881.66	3884.22
18	3866.06	3888.5	3891.03	3723.29	3522.91	3549.13	3561.86	3174.83	2811.91	2624.41	2499.07	2392.99	2338.97	2392.99	2499.07	2624.41	2811.91	3174.83	3561.86	3549.13	3522.91	3723.29	3891.03	3888.5	3866.06
19	3843.08	3871.35	3938.37	3820.35	3586.64	3590.2	3607.35	3189.48	2825.02	2630.2	2478.97	2306.16	2227.37	2306.16	2478.97	2630.2	2825.02	3189.48	3607.35	3590.2	3586.64	3820.35	3938.37	3871.35	3843.08
20	3770.05	3833.83	3947.88	3916.86	3658.95	3632.99	3655.57	3207.65	2842.32	2637.09	2438.49	2196.94	2083.91	2196.94	2438.49	2637.09	2842.32	3207.65	3655.57	3632.99	3658.95	3916.86	3947.88	3833.83	3770.05
21	3723.07	3756.54	3936.12	4003.84	3737.47	3679.46	3706.72	3229.57	2861.65	2646.48	2360.53	2033.84	1911.24	2033.84	2360.53	2646.48	2861.65	3229.57	3706.72	3679.46	3737.47	4003.84	3936.12	3756.54	3723.07
22	3713.23	3730.87	3907.27	4070.53	3822.09	3729.11	3761.38	3251.11	2885.75	2651.11	2264.87	1876	1724.33	1876	2264.87	2651.11	2885.75	3251.11	3761.38	3729.11	3822.09	4070.53	3907.27	3730.87	3713.23
23	3713.86	3733.66	3862.92	4113.75	3909.9	3781.8	3819.34	3276.53	2911.9	2644.93	2136.88	1689.05	1538.44	1689.05	2136.88	2644.93	2911.9	3276.53	3819.34	3781.8	3909.9	4113.75	3862.92	3733.66	3713.86
24	3768.12	3748.67	3834.48	4144.99	4001.72	3837.33	3879.87	3306.14	2939.29	2621.3	1986.36	1499.21	1344.03	1499.21	1986.36	2621.3	2939.29	3306.14	3879.87	3837.33	4001.72	4144.99	4003.84	3748.67	3768.12
25	3831.67	3805.11	3838.62	4153.97	4102.4	3897.26	3941.72	3340.78	2969.81	2576.6	1838.67	1327.15	1169.15	1327.15	1838.67	2576.6	2969.81	3340.78	3941.72	3897.26	4102.4	4153.97	3838.62	3805.11	3831.67
26	3919.6	3878.69	3866.24	4150.27	4194.92	3961.38	4008.53	3382.29	3001.64	2512.09	1666.79	1138.83	991.242	1138.83	1666.79	2512.09	3001.64	3382.29	4008.53	3961.38	4194.92	4150.27	3866.24	3878.69	3919.6
27	4017.67	3966.72	3912.88	4149.89	4289.18	4030.82	4077.04	3425.5	3034.87	2428.37	1503.97	978.059	841.529	978.059	1503.97	2428.37	3034.87	3425.5	4077.04	4030.82	4289.18	4149.89	3912.88	3966.72	4017.67
28	4150.17	4071.08	3988.68	4142.82	4382.91	4104.74	4147.18	3472.46	3066.94	2323.33	1343.53	818.787	691.811	818.787	1343.53	2323.33	3066.94	3472.46	4147.18	4104.74	4382.91	4142.82	3988.68	4071.08	4150.17
29	4294.75	4208.41	4077.63	4161.19	4464.59	4185.25	4221.33	3519.5	3096.9	2211.38	1175.96	673.327	555.772	673.327	1175.96	2211.38	3096.9	3519.5	4221.33	4185.25	4464.59	4161.19	4077.63	4208.41	4294.75
30	4447	4344.39	4178.89	4188.61	4532	4268.55	4293.4	3568.63	3119.12	2085.68	1024.32	554.57	459.095	554.57	1024.32	2085.68	3119.12	3568.63	4293.4	4268.55	4532	4188.61	4178.89	4344.39	4447
31	4615.47	4503.31	4305.36	4248.53	4596.68	4351.81	4363.68	3618.23	3131.8	1953.69	867.895	458.598	399.942	458.598	867.895	1953.69	3131.8	3618.23	4363.68	4351.81	4596.68	4248.53	4305.36	4503.31	4615.47
32	4750.6	4659.07	4439.08	4316.83	4660.56	4435.88	4431.15	3665.79	3134.75	1817.12	738.084	400.168	356.835	400.168	738.084	1817.12	3134.75	3665.79	4431.15	4435.88	4660.56	4316.83	4439.08	4659.07	4750.6
33	4862.09	4786.37	4587.35	4403.54	4709.67	4518.19	4495.67	3715.64	3119.96	1671.78	614.219	362.467	331.942	362.467	614.219	1671.78	3119.96	3715.64	4495.67	4518.19	4709.67	4403.54	4587.35	4786.37	4862.09
34	4943.64	4897.38	4742.83	4505.86	4735.5	4595.53	4552.76	3761.52	3091.21	1529.83	511.027	335.478	312.929	335.478	511.027	1529.83	3091.21	3761.52	4552.76	4595.53	4735.5	4505.86	4742.83	4897.38	4943.64
35	4969.49	4965.67	4881.35	4626.41	4778.81	4669.82	4600.88	3801.3	3042.89	1375.79	444.108	315.438	292.718	315.438	444.108	1375.79	3042.89	3801.3	4600.88	4669.82	4778.81	4626.41	4881.35	4965.67	4969.49
36	4953.57	4989.91	5013.42	4755.77	4823.67	4741.15	4639.01	3834.53	2978.82	1218.24	396.837	293.761	271.339	293.761	396.837	1218.24	2978.82	3834.53	4639.01	4741.15	4823.67	4755.77	5013.42	4989.91	4953.57
37	4914.89	4975.13	5117.96	4897.78	4868.54	4804.72	4666.93	3857.71	2898.15	1061.5	363.532	271.918	249.137	271.918	363.532	1061.5	2898.15	3857.71	4666.93	4804.72	4868.54	4897.78	5117.96	4975.13	4914.89
38	4845.95	4937.94	5189.66	5045.97	4903.85	4859.73	4680.63	3872.92	2799.86	902.254	339.813	249.987	226.053	249.987	339.813</										

Page 10 of 14

Page 11 of 14



161	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
162	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
163	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
164	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
171	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
180	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## 4.0 LM-79 Measurement and Test Results

### 4.3 THD and PF Test

Model No.	ALEDM2TY	Sample ID.	G1
Temperature (°C)	25.3	Humidity (%RH)	56.0

#### Test Method

The samples were tested according to the ANSI C82.77:2002.

The total harmonic distortion shall be measured to the 40th order.

The ambient temperature condition was maintained at  $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$ . The sample measurements were made using a digital power meter and power supply. The sample was operated at rated voltage and was stabilized before measurement. The total harmonic distortion were calculated.

#### Test Results

Voltage (Vac)	Frequency (Hz)	Current (A)	Power (W)	Power Factor	THD
120.00	60	0.648	77.5	0.997	6.33%
277.00	60	0.315	76.1	0.872	13.59%

## 5.0 Equipment Information

Test Equipment			
Equipment ID	Equipment Name	Last Calibration Date	Calibration Due Date
DLF107	Integrating Sphere System	2022/12/26	2023/12/25
DLF108	Auxiliary Lamp	2022/12/26	2023/12/25
DLF122	Measurement Standard Lamp Standard Lamp Type: 220 V, 0.4720 A, Tungsten, Omni-derectional	2022/12/26	2023/12/25
DLF116	AC Power Source	2022/12/26	2023/12/25
DLF113	Power Meter	2022/12/26	2023/12/25
DLF112	Temperature Recorder	2022/12/26	2023/12/25
DLF114	Temperature & Humidity Datalogger	2022/12/26	2023/12/25
DLF101	Goniophotometer	2022/12/26	2023/12/25
DLF125	Standard Lamp Standard Lamp Type: 76.58 V, 6.7875 A, Tungsten, Omni-derectional	2022/12/26	2023/12/25
DLF104	AC Power Source	2022/12/26	2023/12/25
DLF507	DC Power Source	2022/12/26	2023/12/25
DLF102	Power Meter	2022/12/26	2023/12/25
DLF111	Temperature & Humidity Datalogger	2022/12/26	2023/12/25
DLF119	Power Meter	2022/12/26	2023/12/25
DLF031	Temperature data logger	2022/12/26	2023/12/25
DLF022	Digital power meter	2022/12/26	2023/12/25
DLF003	Temperature & Humidity Datalogger	2022/12/26	2023/12/25

\*\*\*\*\* End of Test Report\*\*\*\*\*