

Photometric Test Report

Relevant Standards

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

Prepared For

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2023/1/14

Prepared By



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Approved By



Kevin Jia

The results contained in this report pertain only to the tested sample.

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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		7724
Minimum Luminaire Efficacy (lm/W) (Goniophotometer - Section 4.2)	IES LM-79-2008	Standard 105	Premium 120	133.6
Power (Input Wattage) (W) (Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		57.8
Total Harmonic Distortion (A%) (THD & PF - section 4.3)	ANSI C82.77:2014	20.00%	120V	3.14%
		20.00%	277V	6.98%
Power Factor (THD & PF - section 4.3)	ANSI C82.77:2014	0.9	120V	0.998
		0.9	277V	0.926
Allowable CCTs* (K) (Integrating Sphere - Section 4.1)	IES LM-79-2008	7 step	3045±175	2899
		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		84
Minimum Rg (Integrating Sphere - Section 4.1)	ANSI/IES TM-30-18	≥89		94
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%		0.18%
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		0.483
(Goniophotometer - Section 4.2)		Non-Worst Case		0.218
Power (Input Wattage - W)				
(Goniophotometer - Section 4.2)	IES LM-79-2008	Worst Case		57.8
(Goniophotometer - Section 4.2)		Non-Worst Case		55.8

2.0 Test List

Test Item	Test	Test Date	Model Number	Sample No.
1	Integrating Sphere Test	2023/1/10	ALEDSATY	C1
2	Goniophotometer Test	2023/1/10	ALEDSATY	C1
3	THD and PF Test	2023/1/10	ALEDSATY	C1

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.

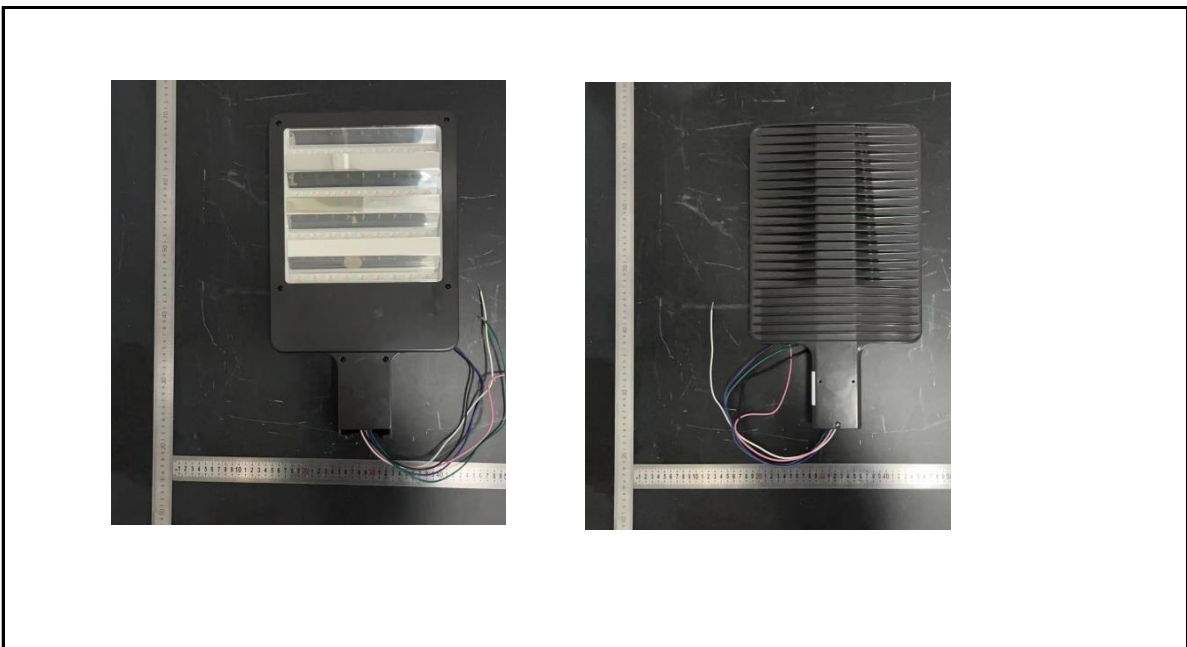
3.0 Production Description

Luminaire Description: ALEDSATY

Description: 60W @ 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.	ALEDSATY	Sample ID.	C1
Opreate 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 paramters 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 ± 0.2 percent under load.

The sample was measured using 4π 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	0.483	57.8	0.998
277.00	60	0.218	55.8	0.926

Test Result

CCT (K)	CRI	R9	Duv
2899	82	3	0.00089

Rf	Rg	IES Rcs,h1
84	94	-12%

4.0 LM-79 Measurement and Test Results

4.2 Goniophotometer Test

Model No.	ALEDSATY	Sample ID.	C1
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 $25^{\circ}\text{C} \pm 1^{\circ}\text{C}$, measured at a point not more than 1 m from the sample and at the same height as the sample.

The 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	0.483	57.8	0.998
NON-WROST CASE	277.00	60	0.218	55.8	0.926

Test Result

Flux (lm)	Field Angle(10%)		Beam Angle(50%)		Luminous Efficacy (lm/W)
	C0-180	C90-270	C0-180	C90-270	
7724	93.2	154.2	45.2	136.7	133.6

Zonal Lumen Requirement (0° - 90°)	Zonal Lumen Requirement (80° - 90°)	BUG rating
100.00%	0.18%	B2-U0-G1

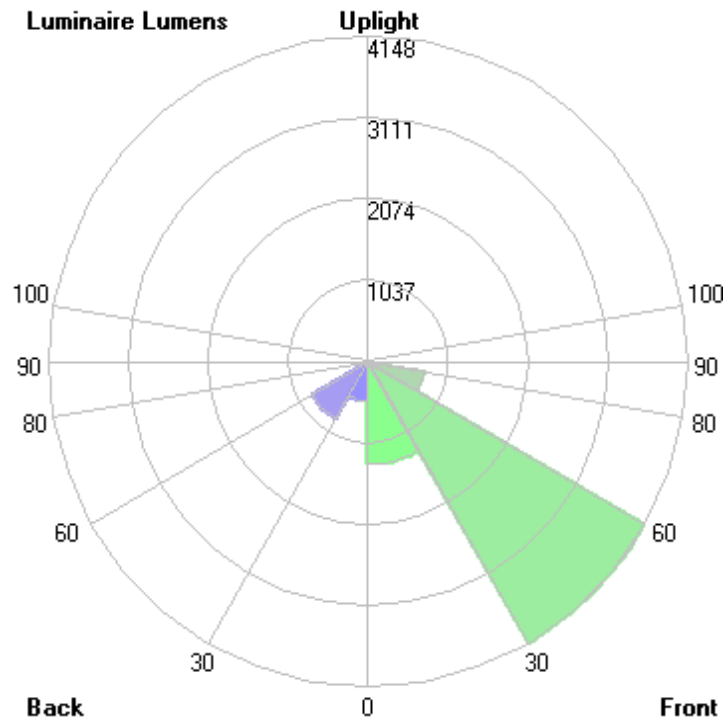
4.2 Goniophotometer Test

Zonal Lumen Summary

	Zonal (lm)		Total (lm)	Percent
0-10	174.43	0 - 10	174.43	2.26%
10-20	584.10	0 - 20	758.53	9.82%
20-30	1061.67	0 - 30	1820.20	23.57%
30-40	1611.72	0 - 40	3431.92	44.43%
40-50	1869.82	0 - 50	5301.74	68.64%
50-60	1508.64	0 - 60	6810.38	88.18%
60-70	744.58	0 - 70	7554.96	97.82%
70-80	154.40	0 - 80	7709.36	99.82%
80-90	14.20	0 - 90	7723.56	100.00%
90-100	0.00	0 - 100	7723.56	100.00%
100-110	0.00	0 - 110	7723.56	100.00%
110-120	0.00	0 - 120	7723.56	100.00%
120-130	0.00	0 - 130	7723.56	100.00%
130-140	0.00	0 - 140	7723.56	100.00%
140-150	0.00	0 - 150	7723.56	100.00%
150-160	0.00	0 - 160	7723.56	100.00%
160-170	0.00	0 - 170	7723.56	100.00%
170-180	0.00	0 - 180	7723.56	100.00%

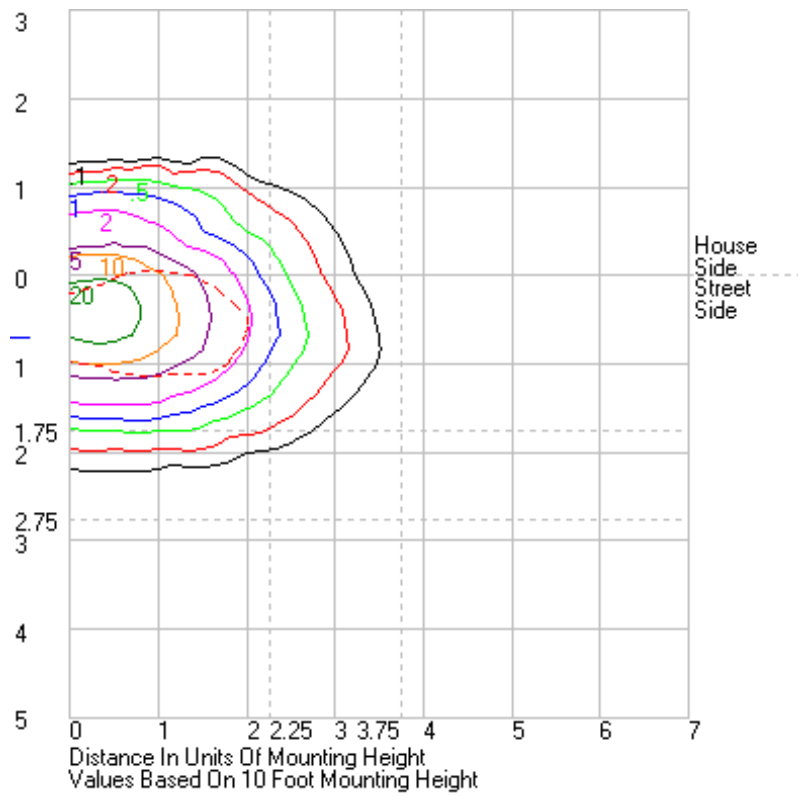
4.2 Goniophotometer Test

LCS/BUG



	Lumens	% Lamp	% Luminaire
FL - Front-Low (0-30)	1311.3	N.A.	17.0
FM - Front-Medium (30-60)	4147.8	N.A.	53.7
FH - Front-High (60-80)	741.6	N.A.	9.6
FVH - Front-Very High (80-90)	10.9	N.A.	0.1
BL - Back-Low (0-30)	508.9	N.A.	6.6
BM - Back-Medium (30-60)	842.4	N.A.	10.9
BH - Back-High (60-80)	157.3	N.A.	2.0
BVH - Back-Very High (80-90)	3.3	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	7723.5	N.A.	100.0
BUG Rating	B2-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	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69	1643.69
1	1746.53	1738.23	1730.99	1717.57	1698.67	1676.28	1649.82	1623.97	1602.82	1584.57	1570.99	1560	1561.28	1560	1570.99	1584.57	1602.82	1623.97	1649.82	1676.28	1698.67	1717.57	1730.99	1738.23	1746.53
2	1847.4	1837.06	1822.75	1796.54	1760.04	1713.97	1661.66	1613.65	1574.15	1535.41	1504.36	1484.48	1482.14	1484.48	1504.36	1535.41	1574.15	1613.65	1661.66	1713.97	1760.04	1822.75	1837.06	1847.4	1847.4
3	1954.67	1941.48	1916.44	1875.07	1823.77	1756.99	1679.81	1611.34	1547.5	1493.42	1467.54	1454.72	1452.86	1454.72	1467.54	1493.42	1547.5	1611.34	1679.81	1756.99	1823.77	1875.07	1916.44	1941.48	1954.67
4	2060.3	2045	2017.41	1965.59	1891.2	1806	1702.97	1611.93	1526.46	1483.88	1460.7	1444.03	1439.69	1444.03	1460.7	1483.88	1526.46	1611.93	1702.97	1806	1891.2	1965.59	2017.41	2045	2060.3
5	2156.7	2142.6	2111.76	2056.74	1965.44	1855.06	1728.33	1614.64	1522.92	1486.72	1457.48	1434.7	1428.11	1434.7	1457.48	1486.72	1522.92	1614.64	1728.33	1855.06	1965.44	2056.74	2111.76	2142.6	2156.7
6	2246.06	2232.24	2205.54	2146.06	2042.54	1906.25	1752.41	1617.23	1532.6	1491.95	1454.02	1424.38	1413.75	1424.38	1454.02	1491.95	1532.6	1617.23	1752.41	1906.25	2042.54	2146.06	2205.54	2232.24	2246.06
7	2334.46	2322.81	2298.39	2233.38	2119.68	1956.88	1778.57	1619.32	1545	1497.73	1450.21	1411.06	1396.61	1411.06	1450.21	1497.73	1545	1619.32	1778.57	1956.88	2119.68	2233.38	2298.39	2322.81	2334.46
8	2416.55	2407.53	2386.29	2318.67	2193.63	2006.25	1801.73	1624.93	1557.74	1502.28	1442.99	1395.43	1378.3	1395.43	1442.99	1502.28	1557.74	1624.93	1801.73	2006.25	2193.63	2318.67	2386.29	2407.53	2416.55
9	2499.84	2495.34	2479.55	2403.68	2261.88	2057.96	1825.59	1632.81	1568.51	1503.7	1431.44	1370.65	1349.82	1370.65	1431.44	1503.7	1568.51	1632.81	1825.59	2057.96	2261.88	2403.68	2479.55	2495.34	2499.84
10	2579.92	2580.92	2567.86	2485.74	2332.05	2107.44	1850.11	1645.07	1577.59	1501.99	1414.07	1341.9	1316.78	1341.9	1414.07	1501.99	1577.59	1645.07	1850.11	2107.44	2332.05	2485.74	2567.86	2580.92	2579.92
11	2662.28	2665.74	2657.69	2566.82	2399.1	2160.23	1873.09	1659.89	1585.22	1494.21	1388.82	1294.98	1260.36	1294.98	1388.82	1494.21	1585.22	1659.89	1873.09	2160.23	2399.1	2566.82	2657.69	2665.74	2662.28
12	2745.15	2754.69	2747.2	2650.59	2467.88	2212.64	1899.3	1676.68	1591.2	1480.75	1350.38	1227.01	1176.23	1227.01	1350.38	1480.75	1591.2	1676.68	1899.3	2212.64	2467.88	2650.59	2747.2	2754.69	2745.15
13	2826.87	2841.91	2834.54	2731.3	2534.31	2267.43	1927.36	1695.29	1596.43	1462.05	1298.83	1132.01	1065.91	1132.01	1298.83	1462.05	1596.43	1695.29	1927.36	2267.43	2534.31	2731.3	2834.54	2841.91	2826.87
14	2917.15	2937.26	2926.6	2812.93	2606.14	2323.99	1958.42	1717.09	1601.57	1436.18	1221.36	1014.15	946.866	1014.15	1221.36	1436.18	1601.57	1717.09	1958.42	2323.99	2606.14	2812.93	2926.6	2937.26	2917.15
15	2997.76	3028.82	3019.02	2897.2	2681.55	2384.96	1991.37	1740.1	1603.78	1400.05	1127.49	895.568	823.283	895.568	1127.49	1400.05	1603.78	1740.1	1991.37	2384.96	2681.55	2897.2	3019.02	3028.82	2997.76
16	3070.25	3112.65	3109.53	2980.23	2760.16	2447.12	2028.16	1766.32	1603.64	1352.99	1021.49	775.864	701.643	775.864	1021.49	1352.99	1603.64	1766.32	2028.16	2447.12	2760.16	2980.23	3109.53	3112.65	3070.25
17	3137.13	3187.7	3197.33	3069.62	2844.24	2513.71	2067.03	1794.42	1601.88	1293	912.571	667.067	595.557	667.067	912.571	1293	1601.88	1794.42	2067.03	2513.71	2844.24	3069.62	3197.33	3187.7	3137.13
18	3198.88	3257.98	3277.09	3157.42	2931.63	2583.72	2106.65	1825.65	1597.71	1221.37	809.11	572.62	513.319	572.62	809.11	1221.37	1597.71	1825.65	2106.65	2583.72	2931.63	3157.42	3277.09	3257.98	3198.88
19	3260.71	3329.99	3356.54	3248.59	3018.8	2655.58	2149.13	1856.08	1588.64	1140.7	712.963	501.732	443.206	501.732	712.963	1140.7	1588.64	1856.08	2149.13	2655.58	3018.8	3248.59	3356.54	3329.99	3260.71
20	3321.33	3401.34	3434.56	3338.94	3111.09	2731.63	2191.55	1886.42	1573.18	1056.09	630.665	444.758	396.046	444.758	630.665	1056.09	1573.18	1886.42	2191.55	2731.63	3111.09	3338.94	3434.56	3401.34	3321.33
21	3369.32	3469.32	3515.87	3428.32	3200.85	2806.21	2234.74	1916.83	1550.94	973.639	557.08	398.277	379.663	398.277	557.08	973.639	1550.94	1916.83	2234.74	2806.21	3200.85	3428.32	3515.87	3469.32	3369.32
22	3423.37	3526.27	3599.27	3518.33	3293.08	2879.07	2280.84	1946.95	1518.45	895.819	502.611	392.1	390.991	392.1	502.611	895.819	1518.45	1946.95	2280.84	2879.07	3293.08	3518.33	3599.27	3526.27	3423.37
23	3465.22	3595.37	3686.29	3608.82	3385.67	2955.03	2327.31	1974.19	1476.78	822.137	457.49	407.315	413.869	407.315	457.49	822.137	1476.78	1974.19	2327.31	2955.03	3385.67	3608.82	3686.29	3595.37	3465.22
24	3476.83	3645.94	3769.3	3704.7	3477.02	3031.64	2379.25	1999.94	1430.25	750.813	431.198	432.949	441.211	432.949	431.198	750.813	1430.25	1999.94	2379.25	3031.64	3477.02	3704.7	3769.3	3645.94	3476.83
25	3486.7	3677.71	3862.39	3805.41	3575.59	3108.04	2431.49	2021.75	1374.79	680.235	435.144	459.847	462.035	459.847	435.144	680.235	1374.79	2021.75	2431.49	3108.04	3575.59	3805.41	3862.39	3677.71	3486.7
26	3487.42	3704.19	3953.75	3907.05	3670.35	3181.68	2485.54	2041.15	1315.12	616.189	455.879	479.378	471.102	479.378	455.879	616.189	1315.12	2041.15	2485.54	3181.68	3670.35	3907.05	3953.75	3704.19	3487.42
27	3502.99	3724.09	4028.19	4017.8	3766.47	3258.83	2537.01	2058.5	1252.32	559.208	484.625	485.785	466.52	485.785	484.625	559.208	1252.32	2058.5	2537.01	3258.83	3766.47	4017.8	4028.19	3724.09	3502.99
28	3522.89	3755.79	4099.41	4127.93	3860.01	3333.57	2588.73	2071.97	1185.28	524.987	511.116	480.494	453.862	480.494	511.116	524.987	1185.28	2071.97	2588.73	3333.57	3860.01	4127.93	4099.41	3755.79	3522.89
29	3556.93	3797.12	4164.96	4240.27	3955.04	3409.86	2637.73	2079.69	1118.29	501.451	528.061	470.814	441.979	470.814	528.061	501.451	1118.29	2079.69	2637.73	3409.86	3955.04	4240.27	4164.96	3797.12	3556.93
30	3596.4	3851.32	4228.8	4357.73	4051.84	3483.79	2684.89	2079.01	1048.13	496.293	533.84	460.815	430.319	460.815	533.84	496.293	1048.13	2079.01	2684.89	3483.79	4051.84	4357.73	4228.8	3851.32	3596.4
31	3635.23	3909.68	4293.48	4471.8	4144.51	3555.29	2731.77	2073.83	978.989	510.37	530.751	450.721	415.658	450.721	530.751	510.37	978.989	2073.83	2731.77	3555.29	4144.51	4471.8	4293.48	3909.68	3635.23
32	3652.01	3961.74	4359.79	4577.16	4238.14	3625.55	2772.56	2060.58	910.266	533.123	523.804	438.854	400.332	438.854	523.804	533.123	910.266	2060.58	2772.56	3625.55	4238.14	4577.16	4359.79	3961.74	3652.01
33	3664.47	3995.36	4433.76	4674.12	4329.06	3692.31	2808.59	2040.04	841.099	555.691	515.092	426.299	378.85	426.299	515.092	555.691	841.099	2040.04	2808.59	3692.31	4329.06	4674.12	4433.76	3995.36	3664.47
34	3664.4	4015.93	4507.78	4766.31	4416.59	3755.68	2841.13	2012.04	776.351	572.568	509.938	363.088	409.938	505.072	572.568	776.351	2012.04	2841.13	3755.68	4416.59	4766.31	4507.78	4015.93	3664.4	
35	3661.4	4023.97	4573.74	4850.59	4503.93	3815.63	2870.05	1977.44	711.781	583.291	494.911	397.871	350.267	397.871	494.911	583.291	711.781	1977.44	2870.05	3815.63	4503.93	4850.59	4573.74	4023.97	3661.4
36	3691.45	4034.2	4628.72	4930.2	4587.22	3872.35	2899.3	1938.12	660.837	585.419	488.12	387.954	342.39	387.954	488.12	585.419	660.837	1938.12	2899.3	3872.35	4587.22	4930.2	4628.72	4034.2	3691.45
37	3740.26	4066.46	4675.86	5006.84	4667.77	3925.93	2926.49	1891.26	622.123	581.702	484.543	386.365	335.237	386.365	484.543	581.702	622.123	1891.26	2926.49	3925.93	4667.77	5006.84	4675.86	4066.46	3740.26
38	3753.83	4105.13	4712.87	5078.33	4745.49	3977.03	2958.82	1840.55	595.136	575.288	483.442	380.779	323.679	380.779	483.442	57									

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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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	0

4.0 LM-79 Measurement and Test Results

4.3 THD and PF Test

Model No.	ALEDSATY	Sample ID.	C1
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	0.483	57.8	0.998	3.14%
277.00	60	0.218	55.8	0.926	6.98%

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*****