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	TEST REPORT			
CEC/DOE Test report- Ceiling Fan Light Kits				
Report Reference No.	AOC250520008ER-R1			
Compiled by (print+ signature):	Bruce Lin	Bruce Lin		
Approved by (print+ signature)	Robin Liu	Robin. Lin		
		Lab Supervisor		
Date of issue	2025-05-26			
Testing Laboratory	Shenzhen AOCE Electronic	Technology Service Co., Ltd		
Address	Room 202, 2nd Floor, No.12	2th Building of Xinhe Tongfuyu Industrial		
Testing location/address:	Same as above	ilstrict, Shenzhen, Guangdong, China		
Applicant's name	Zhongshan Daorui Lighting &	& Electronic Limited		
Address:	Unit 5 2/F Building 2, No.5, 7 Zhongshan City, Guangdong	The 3rd of Yihui Road, Henglan Town, a Province. China		
Manufacturer name	Zhongshan Daorui Lighting &	& Electronic Limited		
Address:	Unit 5 2/F Building 2, No.5, 7 Zhongshan City, Guangdong	The 3rd of Yihui Road, Henglan Town, 9 Province, China		
Test Object	Ceiling fan light			
Trade Mark	N/A			
Model / Type reference:	DM33021, DM33015, DM33 DS20005, DS2005X, DM33 DS20002, DS20062, DM300 DM33018, DS20001, DM33 (Only the fan part and the m	8015X, DS20020, DS20016, DS20019, 026, DM30017, DM33010, DS20055, 013, DS20015, DS20039, DS20008, 031, DM33031X, DM30032, DS20001 nodel name are different)		
Rated voltage (V)	100-240 V~			
Rated frequency (Hz)	50/60 Hz			
Rated Power (W)	22W			
Rated luminous (Im)	1430 lm			
Rated color temperature (CCT)	6000 K			
Rated color tendering (CRI)	80			
Rated life (h)	30000			
Test specification:				
Standard:	10 C.F.R. Section 430.23 Appendix R to Subpart B of	part 430		
Test procedure:	Test report			
Non-standard test method	N/A			
Test Report Form No	IECEE TRF No. CEC/DOE			
Test Report Form(s) Originator:	AOCE			
Master TRF	2024-03-28			

Summary of Testing:					
Tests performed (name of test and test clause):	Testing location:				
The sample(s) tested complies with the requirements of 10 C.F.R. Section 430.23	Shenzhen AOCE Electronic Technology Service Co., Ltd				
When determining the test conclusion. The Measurement Uncertainty of test has be enconsidered.	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China				
Summary of Compliance with National Differences:					
N/A					
Copy of Marking Plate:					
N/A					

Type of light source:				
Product type	☐ Light source ☐ Separate control gears			
Lighting technology used	LED Lamp LED light engine Inseparable SSL Medium screw-based CFL Incandescent Lamp Pin-based sockets for fluorescent lamps			
Non-directional or directional	DLS (Directional) XNDLS (Non-directional)			
Use of lamp:	: 🖂 Indoor 🖂 Outdoor 🖂 Industry			
Light source cap-type (or other electric interface):	Connecting lead			
Mains or non-mains:	☑ MLS (mains light source) ☑ NMLS (non-mains light source)			
Colour-tuneable light source	🗌 Yes 🛛 No			
Anti-glare shield	🗌 Yes 🛛 No			
Dimmable	🛛 Yes 🗌 No			
Possible Test Case Verdicts:				
Test case does not apply to the test object	N/A (Not Applicable)			
Test object does meet the requirement	P (Pass)			
Test object does not meet the requirement	F (Fail)			
Testing:				
Ambient temperature of tested:	25.0°C			
Test inputs:	120 V~			
Sample size for tested:	2 pcs			
Date of receipt of test item	2025-05-07			
Date (s) of performance of tests	2025-05-07 to 2025-05-20			
General Remarks:				
Note: The duplication of this report or parts of it and its use for advertising purposes is only allowed with permission of the testing laboratory. This report contains the result of examination of the product sample submitted by the appliance. A general statement concerning the quality of the products from the series manufacturer cannot be derived therefore.				
This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.				
Note:				
1. The test data in this report are all from the light sour	ce.			
This report was based on the original report AOC250520008ER, only following items are revised, when this report issued, the original report will be withdraw:				

1). The rated power was filled in incorrectly. It has now been corrected.

2) Update the model.

1. Test Method			
1.1 Photometric and Electrical Measurement			
Test Standard	IES LM-79-08:Approved Method for the Electrical and Photometric Measurements of Solid-State Lighting Products		
Ambient Condition	25.0°C		
Stabilization time:	0.5h		
Orientation (burning position) of SSL product during test	2 base-up		
Test Method	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.		
1.2 Standby Power Measurement			
Test Standard	IEC 62301-2011: Household electrical appliances-Measurement of standby power		
Ambient Condition:	25.0°C		
Stabilization time:	0.5h		
Orientation (burning position) of SSL product during test	2 base-up		
Test Method	Sections 5.3.4 Direct meter reading method. The sample was operated at rated voltage and was stabilized before measurement. The standby power were calculated from the digital power meter.		

2. Summary of Result

Items	Requirement	Test Result	Verdict
Minimum required efficacy(Im/W)	Lumens1<120: 50	N/A	N/A
	Lumens1≥120: (74.0-29.42 x 0.9983 ¹⁴³⁰)=71.42	74.1	Pass
Note: /			

3. Test data

Initial Photometric and Electrical Test Data

Sample No.	Base	Voltage	Current	Power	Power Factor	Light Output	Efficiency
L1	VBU	120	0.186	22.2	0.993	1522.0	68.56
L2	VBD	120	0.186	22.1	0.991	1518.7	68.72
Average	/	/	/	22.2	0.992	1520.4	68.64
UCL (0.99)	/	/	/	/	/	/	/
LCL (0.99)	/	/	/	/	/	/	72.33
Factor	/	/	/	/	/	/	0.976
CL/Factor	/	/	/	/	/	/	74.1
Represented value	/	/	/	/	/	/	74.1

4. Test Equipment List

Equipment Name	Manufacturer	Model No. Reference No.		Calibration Due Date	
2m Integating Sphere	SENSING	SL-300	AOC-S-126	2026-04-13	
Horizontal Distribution Photometer	SENSING	GMS1800D	AOC-S-124	2026-04-13	
Standard Lamp	SENSING	240V/150W	AOC-S-151	2025-08-01	
Digital power meter	HENGHE	WT310E	AOC-S-012	2026-04-13	
Digital power meter	SENSING	UI2008	AOC-S-123	2026-04-13	
Digital power meter	SENSING	UI2021	AOC-S-123	2026-04-13	
DC source	OYHS	OYHS-Z120V-50A	AOC-S-062	2026-04-13	
Variable frequency power supply	WOSEN	BP6005	AOC-S-129	2026-04-13	
Variable frequency power supply	AIPUSI	KDF-500	AOC-S-130	2026-04-13	
Oscilloscope	TEKTRONIX	MDO3012	AOC-S-028	2026-04-13	



5. Product Photo

Fig. 1 (Model name: DM33021)



Fig. 2 (Model name: DM33021)





Fig. 3 (Light source)



Fig. 4 (Light source)

Page 9 of 16



Fig. 5 (Model name: DM30017)



Fig. 6 (Model name: DM33021)

Page 10 of 16



Fig. 7 (Model name: DM30031X)



Fig. 8 (Model name: DM30031X)

Page 11 of 16



Fig. 9 (Model name: DM33015X)



Fig. 10 (Model name: DM33015X)

Page 12 of 16



Fig. 11 (Model name: DS20001)



Fig. 12 (Model name: DS20001)

Page 13 of 16



Fig. 13 (Model name: DS20005X)



Fig. 14 (Model name: DS20005X)

Page 14 of 16



Fig. 15 (Model name: DS20016)



Fig. 16 (Model name: DS20016)

Page 15 of 16



Fig. 17 (Model name: DS20019)



Fig. 18 (Model name: DS20019)

Page 16 of 16



Fig. 19 (Model name: DS20039)



Fig. 20 (Model name: DS20039)

-- End of Report --