Test Report issued under the responsibility of:

TEST REPORT

CEC/DOE Test report- Ceiling Fan Light Kits

Report Reference No. ……..……..:	AOC250401005ER
Compiled by (print+ signature)…….:	Bruce Lin
Approved by (print+ signature)……:	Robin Liu
Date of issue……...:	2025-05-29

Lab Supervisor

Testing Laboratory.....:	Shenzhen AOCE Electronic Technology Service Co., Ltd
Address……:	Room 202, 2nd Floor, No.12th Building of Xinhe Tongfuyu Industrial Park, Fuhai Street, Baoan District, Shenzhen, Guangdong, China
Testing location/address……...:	Same as above
Applicant's name.....:	Shenzhenshirongyixuanzhaomingyouxiangongsi
Address……:	Q5B020, B, C, D Block 5 layer, No.1019, Huaqiang Plaza, Huaqiang North Road, Huaqiang North Street, Futian District, Shenzhen, CN518000
Manufacturer name……..:	Shenzhenshirongyixuanzhaomingyouxiangongsi
Address……:	Q5B020, B, C, D Block 5 layer, No.1019, Huaqiang Plaza, Huaqiang North Road, Huaqiang North Street, Futian District, Shenzhen, CN518000
Test Object……..:	Fan Ceiling Lamp
Trade Mark……..:	ONEOFTEA
Model / Type reference……:	JQ175
Rated voltage (V)……..……:	100-120V~
Rated frequency (Hz)…..……:	50/60 Hz
Rated Power (W).....:	21W
Rated luminous (lm).....:	1260 lm
Rated color temperature (CCT).....:	3000-6000 K
Rated color tendering (CRI).....:	80
Rated life (h).....:	20000
Test specification:	
Standard .....:	DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 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 California Code of Regulations,Title 20,Sections 1601 through 1608. DEPARTMENT OF ENERGY Office of Energy Efficiency and Renewable Energy 10 CFR Parts 429 and 430 When determining the test conclusion. The Measurement Uncertainty of test has be enconsidered.	Shenzhen AOCE Electronic Technology Service Co., Ltd 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) ☒ NDLS (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……..…..:	2025-03-18
Date (s) of performance of tests……:	2025-03-18 to 2025-04-01
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:	
N/A	

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(lm/W)	Lumens1<120: 50	N/A	N/A
	Lumens1≥120: $(74.0-29.42 \times 0.9983^{1260})=70.55$	76.9	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	0.401	21.17	0.440	1289.3	60.9
L2	VBD	120.0	0.402	21.27	0.441	1299.7	58.4
Average	/	/	/	21.72	0.441	1294.5	59.6
UCL (0.99)	/	/	/	/	/	/	/
LCL (0.99)	/	/	/	/	/	/	73.17
Factor	/	/	/	/	/	/	0.952
CL/Factor	/	/	/	/	/	/	76.9
Represented value	/	/	/	/	/	/	76.9

4. Test Equipment List

Equipment Name	Manufacturer	Model No.	Reference No.	Calibration Due Date
2m Integating Sphere	SENSING	SL-300	AOC-S-126	2025-04-12
Horizontal Distribution Photometer	SENSING	GMS1800D	AOC-S-124	2025-04-12
Standard Lamp	SENSING	240V/150W	AOC-S-151	2024-07-18
Digital power meter	HENGHE	WT310E	AOC-S-012	2025-04-12
Digital power meter	SENSING	UI2008	AOC-S-123	2025-04-12
Digital power meter	SENSING	UI2021	AOC-S-123	2025-04-12
DC source	OYHS	OYHS-Z120V-50A	AOC-S-062	2025-04-12
Variable frequency power supply	WOSEN	BP6005	AOC-S-129	2025-04-12
Variable frequency power supply	AIPUSI	KDF-500	AOC-S-130	2025-04-12
Oscilloscope	TEKTRONIX	MDO3012	AOC-S-028	2025-04-12

5. Product Photo

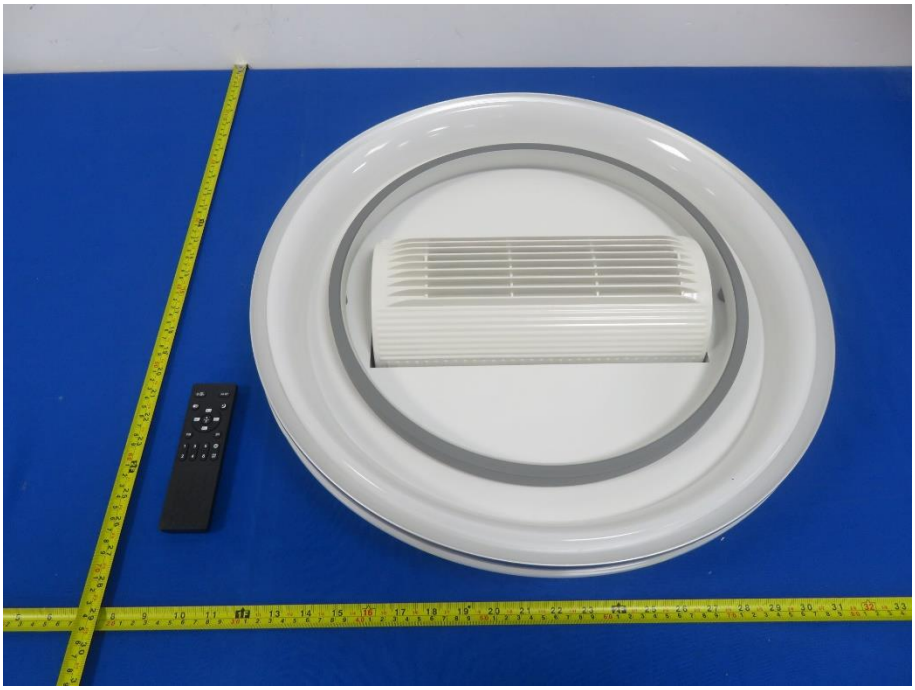

Fig. 1

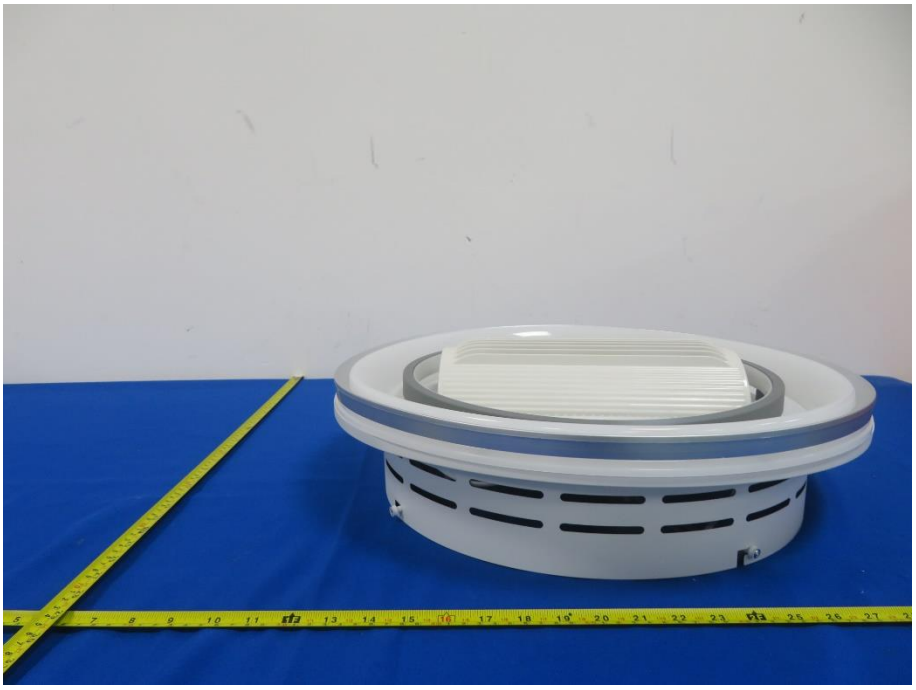

Fig. 2

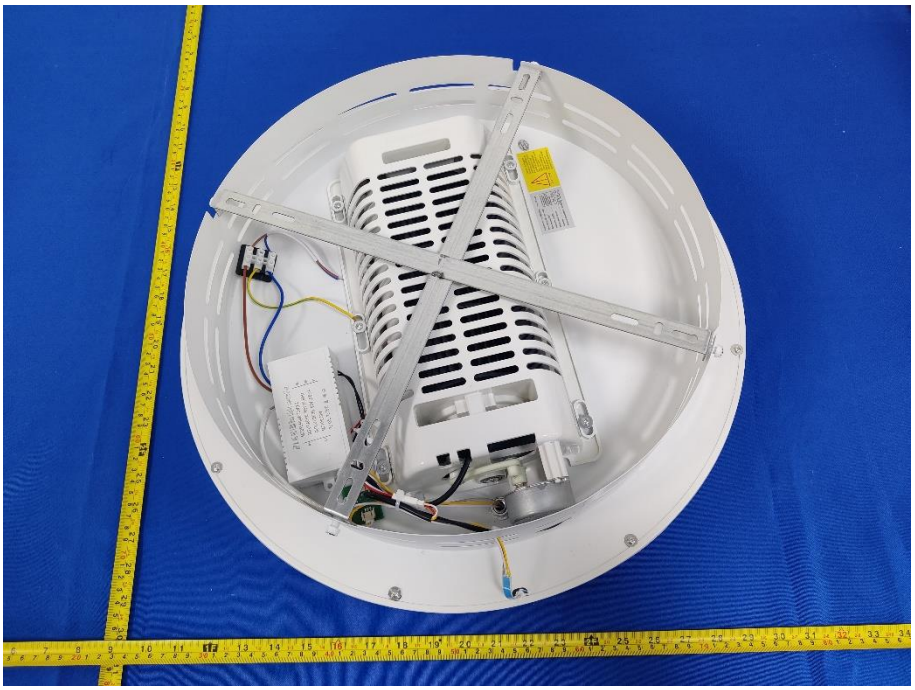

Fig. 3

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