



## Photometric Test Report

### Relevant Standards

IES LM-79-2008

### Prepared For

## Elec-Tech International Co Ltd

1 JINFENG RD TANGJIAWAN TOWN XIANGZHOU DISTRICT ZHUHAI GUANGDONG P.R. CHINA 519085

Contact person: Sean Luo, luolixue@etissl.com.cn, 0756-3635627

Test Laboratory: UL Verification Services (Guangzhou) Co., Ltd.

Test Laboratory Address: Building A1, 1F & 2F, Nansha Science and Technology Innovation Center, No. 25, South Huanshi Avenue, Nansha District, Guangzhou 511458, China

### Catalog Number

544841##, 544831##

Model 544831## is similar to model 544841##, except the switch and model number. Model 544831## without switch. ##=41 - 50 intends as CCT 4000K.

### Project Number

4788116135

### Report Number

4788116135-2a

### Test Date

8/18/2017

### Issue Date

8/28/2017

### Prepared By

*Alvin Xie*

Alvin Xie

### Approved By

*Dendi Lin / Jonathan Xu*

Dendi Lin, Jonathan Xu

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

This report shall not be reproduced, except in full, without written approval of Underwriters Laboratories.

This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.



## 1.0 Test List

Test Item	Test	Test Date	Test Model	Tests Conducted By
1	Integrating Sphere Test	08/18/2017	54483141	Howie Wang

### Remark (if any)

1. UL test equipment information is recorded on Meter Use in UL's Aurora database.



## 2.0 Production Description

**Luminaire Description:** 120V, 60Hz, 11.5W, 830lm, 80CRI, 4000K

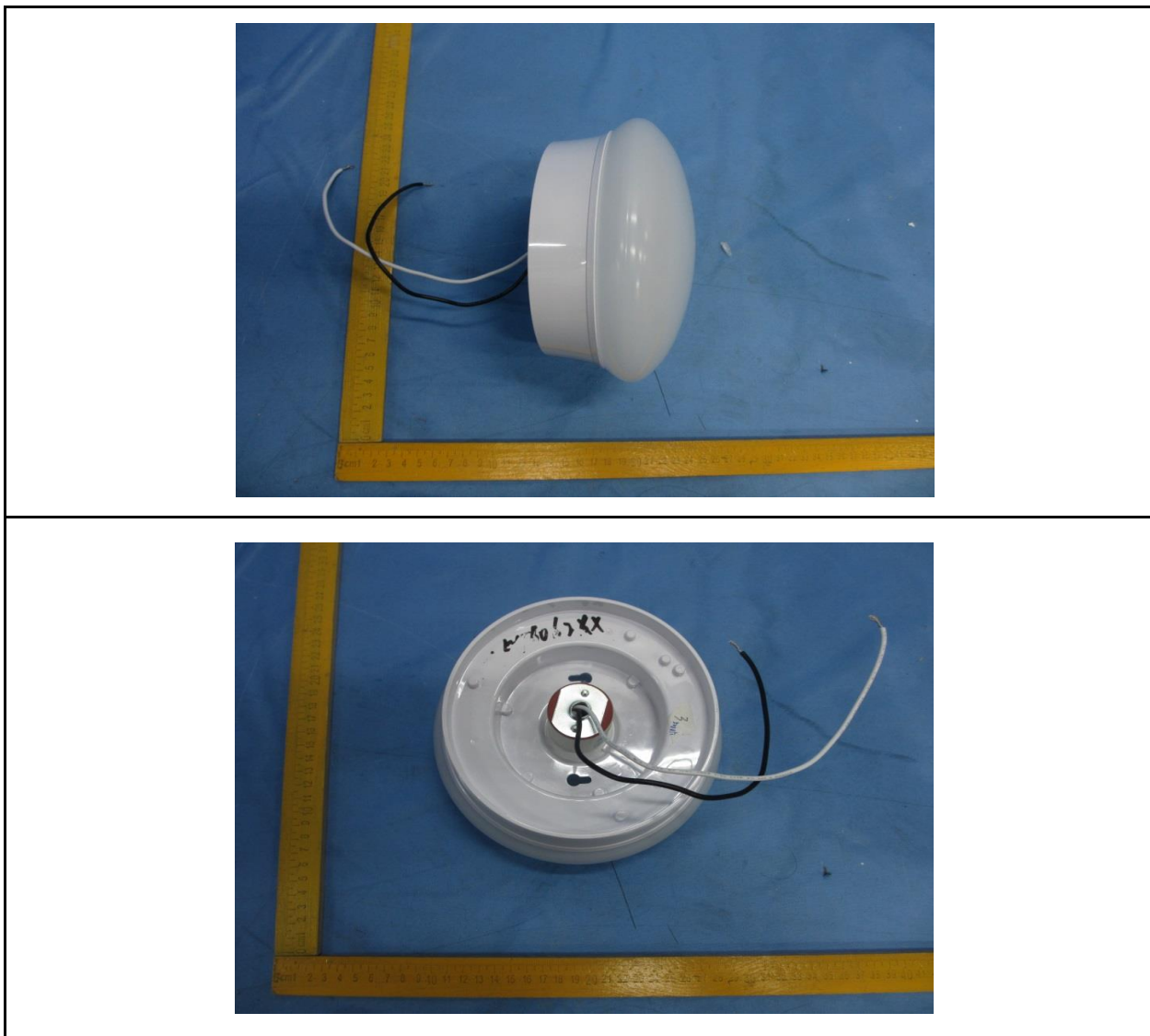
**Lighting Source:** 2835 Series

**Driver Model Number:** N/A

**Model Name:** 54483141

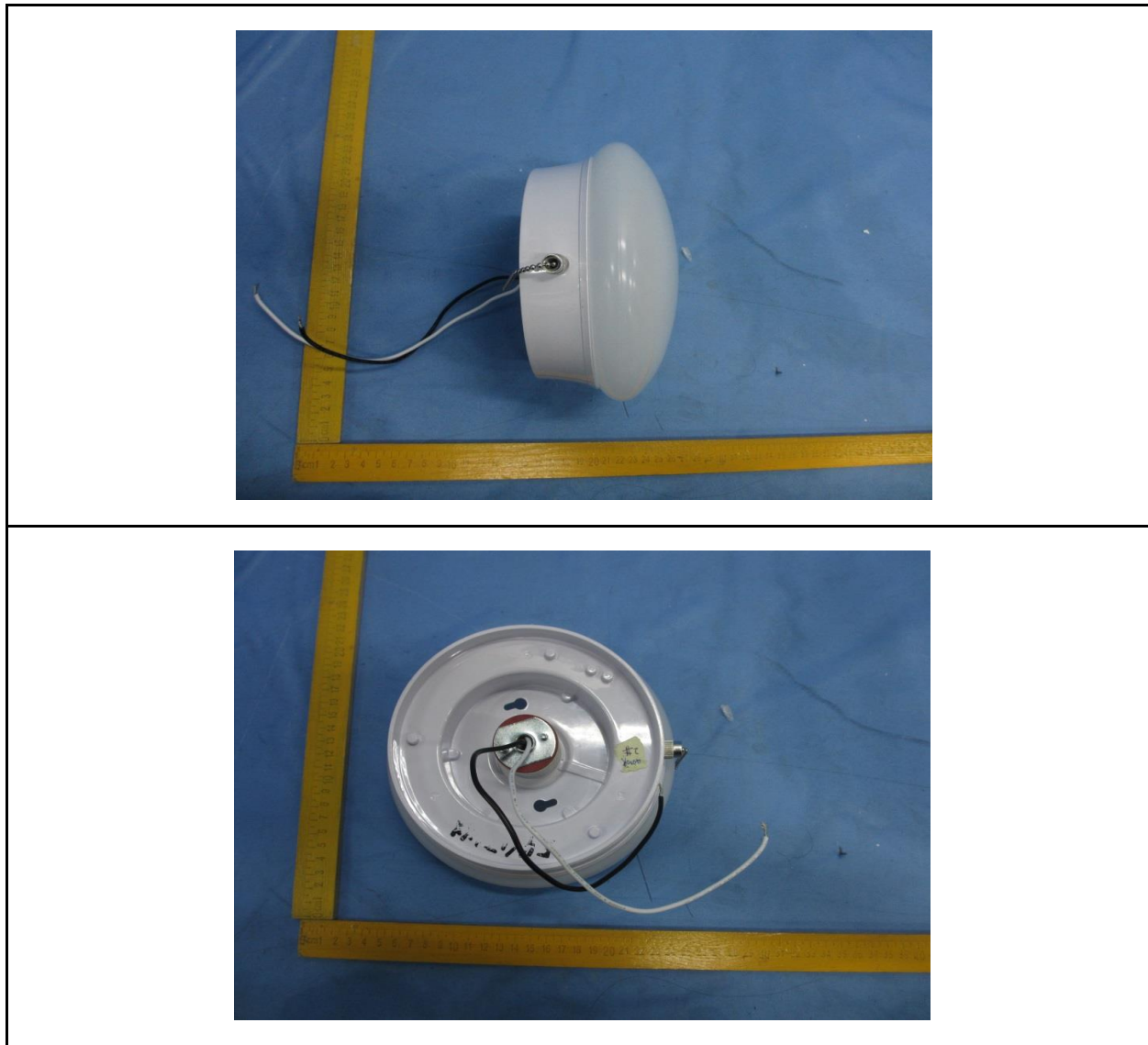
**Variation:** 544841## and 544831##, model 544831## is similar to model 544841##, except the switch and model number. Model 544831## without switch. ##=41 - 50 intends as CCT 4000K.

### Photos of Luminaire Characteristics for Models 544831##





Photos of Luminaire Characteristics for Models 544841##





### 3.0 LM-79 Measurement and Test Results

#### 3.1 Integrating Sphere Test

<b>Model No.</b>	54483141		<b>Sample ID.</b>	1120285-S001	
<b>Driver No.</b>	N/A	<b>Operate time (Min.)</b>	50	<b>Stabilization time (Min.)</b>	40

#### Test Method

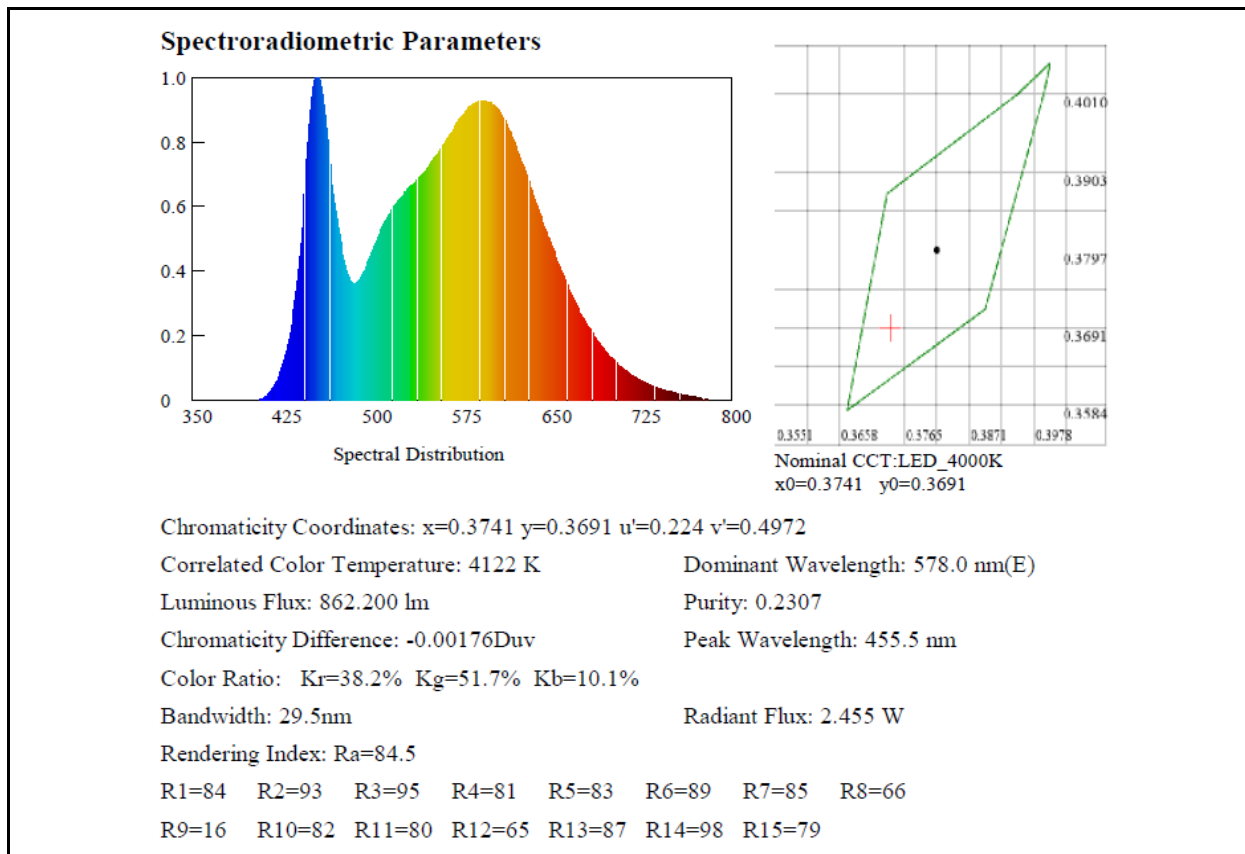
1. The sample was tested according to the IES LM-79-2008.
2. Photometric parameters were measured using an integrating sphere, a spectroradiometer and software. The ambient temperature condition inside the sphere was maintained at 25° C ± 1° C.
3. The sample measurements were made using a spectroradiometer connected by a fiber optic cable and detector through the detector port of the integrating sphere. The sample was 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.

#### Integrating Sphere Test Conditions

Temperature (°C)	Voltage (Vac)	Frequency(Hz)	Current (A)	Power (W)	Power Factor
25.1	120.80	60	0.0973	11.15	0.9490

#### Test Results

Orientation	CCT (K)	CRI (Ra)	Duv	Luminous Flux (lm)	Luminous Efficacy (lm/W)
Face Down	4122	84.5	-0.00176	862.20	77.33





\*\*\*\*\* END OF REPORT. THIS PAGE INTENTIONALLY LEFT BLANK \*\*\*\*\*