

**nltc**

**National Lighting Test Centre  
China**



No. A3 Dabeyao Changpocun, Chaoyang District,  
Beijing, 100022, China  
www.nltc.cn

Phone: +86-10 67708989  
Fax: +86-10 67708989-1111

## TEST REPORT



**Report Ref. No. :2009708B**

**Product Name: LED Street Light**

**Client Name: ELEDE AB**

**Note:**

This test report or any reduplicate one with the signature of the test engineer, the checking person and the authorizing officer is valid when stamped with the testing seal authorized by the National Lighting Test Centre. Any alter of this report by handwriting is not valid. Please submit query concerning the test result within 15 days after the receipt of the report, or the query will not be accepted. The test report relates only to the item(s) tested.

# Test Report

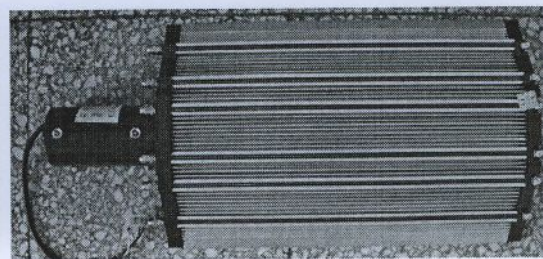
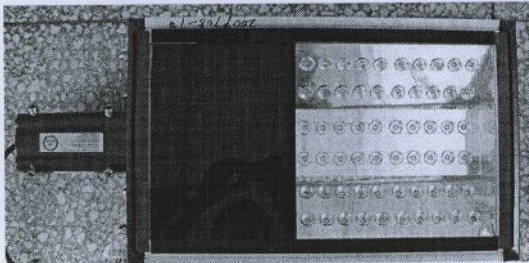
<b>Testing Laboratory Name.....:</b>	National Lighting Test Centre
<b>Address.....:</b>	No.A3 Changpocun Dabeyao, Chaoyang District, Beijing, 100022 China
<b>Report No.....:</b>	2009708B
<b>Tested by (Name and Signature).....:</b>	Caiyun Mao <i>Caiyun Mao</i>
<b>Checked by (Name and Signature).....:</b>	Fang Wang <i>Fang Wang</i>
<b>Approved by (Name and Signature).....:</b>	Zheng Yang <i>Zheng Yang</i>
<b>Date of Issue.....:</b>	September 2, 2009
<b>Contents.....:</b>	10 pages.
<b>Product Name.....:</b>	LED Street Light
<b>Model and/or Type.....:</b>	Lucas II 60
<b>Trademark.....:</b>	U-Tron
<b>Date Code.....:</b>	/
<b>Manufacturer.....:</b>	U-Tron (Beijing) Electronics Co.,Ltd.
<b>Quantity.....:</b>	1 piece
<b>Receiving Date of Sample...:</b>	July 10, 2009
<b>Rating(s).....:</b>	/
<b>Test Specifications:</b>	
<b>Test Item (s).....:</b>	1000h Photometry Test
<b>Reference Standard (s).....:</b>	Refer to GB/T9468-2008
<b>Conclusion:</b>	
IES document is subjected to the written data, and electronic file is just for reference.	
<b>Remark.....:</b> See the test data.	
<b>Test case verdicts:</b>	
<b>Test case does not apply to the test object.....:</b>	N(.A.)
<b>The sample does meet the requirement of.....:</b>	P(ass)
<b>The sample does not meet the requirement of...:</b>	F(ail)

# Test Result

Test conditions:

Sample No.	1#				
Electrical Parameters: (input)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power Factor
	50	220.0	0.36	75.3	0.95
Luminaire Total Flux(lm)	4130.2				
Road side upward(lm)	0	House side upward(lm)		0	
Road side downward(lm)	2095	House side downward(lm)		2035.2	

## Photos of Sample



www.u-tron.com  
**U-Tron** U-Tron (Beijing) Electronics Co., Ltd  
 LED High Power Street Lights  
 Model No.: Lucas I 42  
 Input Voltage:  60-132V  
 176-264V  
 Input frequency: 47-63Hz  
 Power Consumption: 55W  
 LED Initial Flux: 4200lm  
 Date of MFG: 2009-July  
 Serial Number: L2084FCQ4288

**RoHS** Compliant  
**CE IP65**  
 Made in China

VOLTAGE PRESET AND FUSED FOR:  
 SELECTEUR DE TENSION  
 ET FUSIBLE CHOISIS POUR:  
 SPANNUNG EINGESTELLT  
 MIT SICHERUNG AUF:  
 VOLTAJE PREFIJADO  
 Y FUSIBLE PARA:

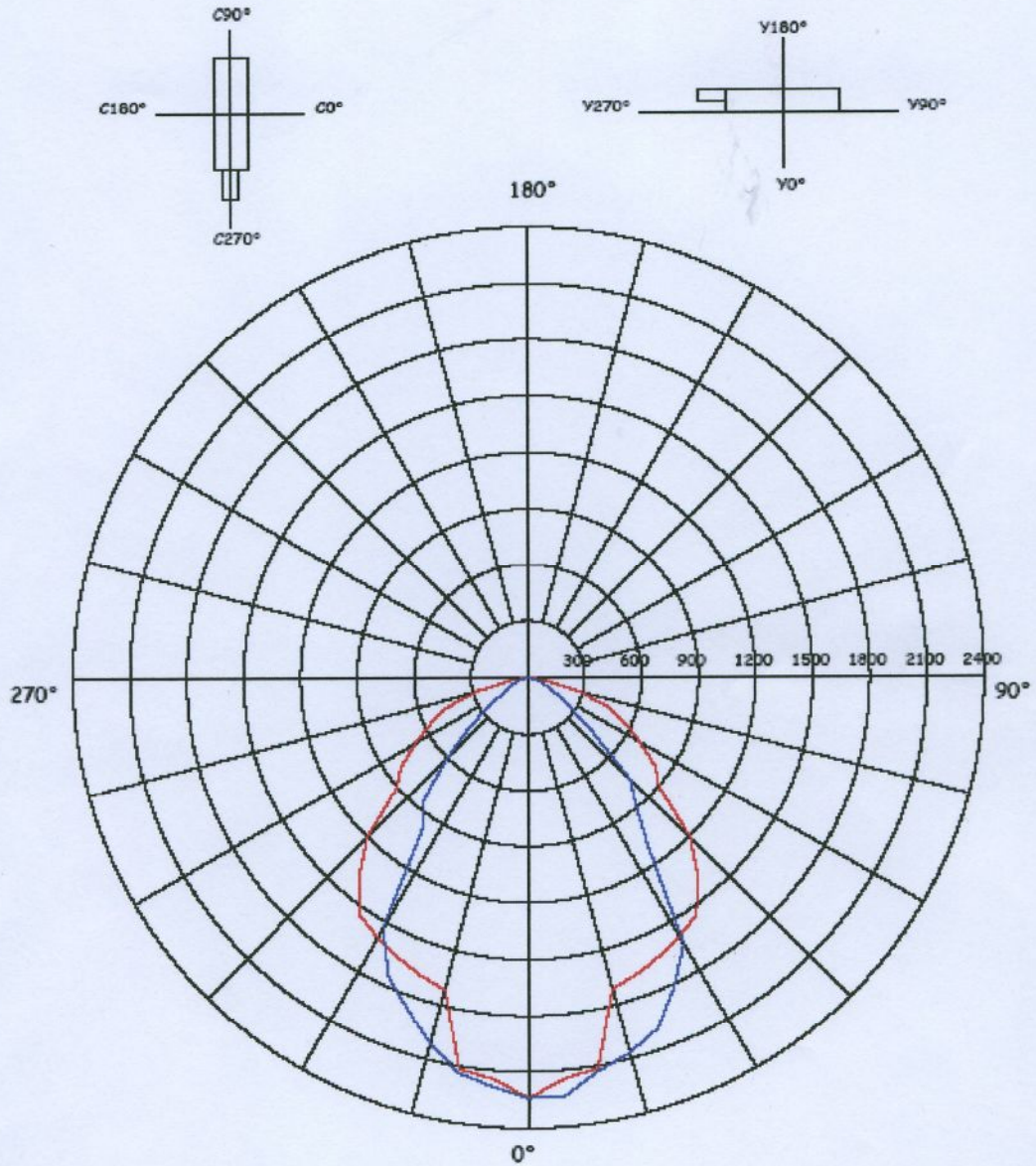
**230  
VOLTS**





**Intensity Curve (Polar Graph)**

**[Unit:cd]**



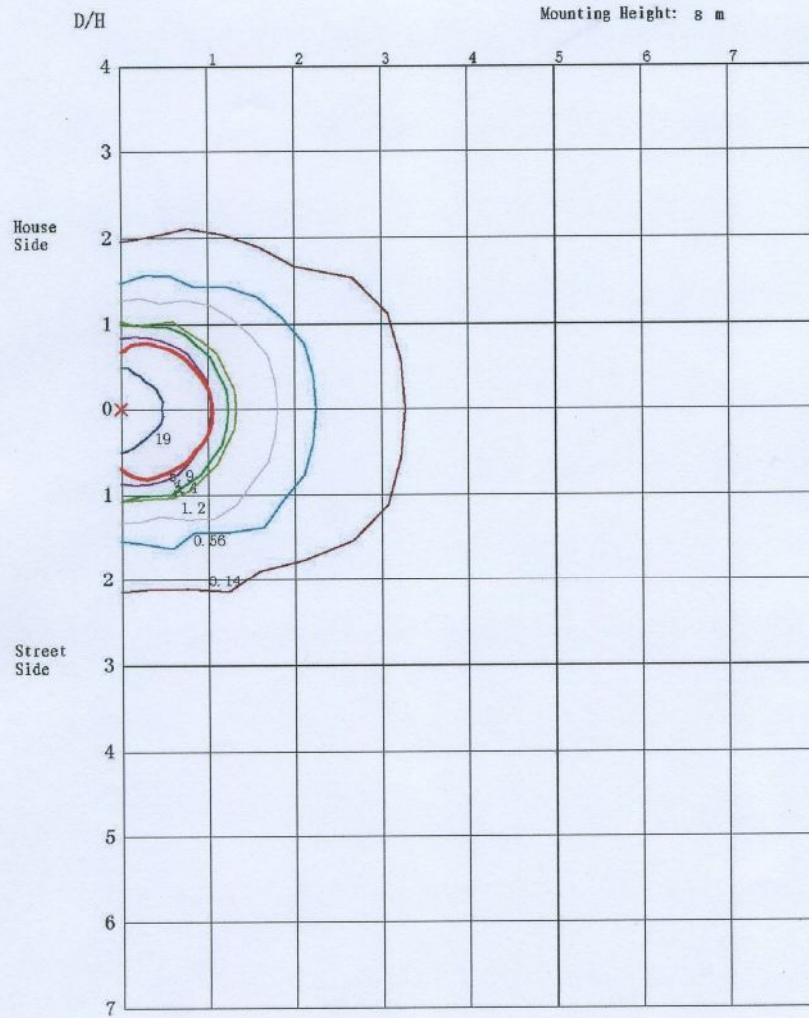
**Max Intensity 2237 at C=270  $\gamma=0$**

**— Plane: C0 - C180**

**— Plane: C90 - C270**

**Isolux Curves**

[unit:lx]



Mounting Height (m)	Multiplying Factor
5.0	2.56
8.0	1.00
10.0	0.64
12.0	0.44
15.0	0.28
18.0	0.20
20.0	0.16
30.0	0.07

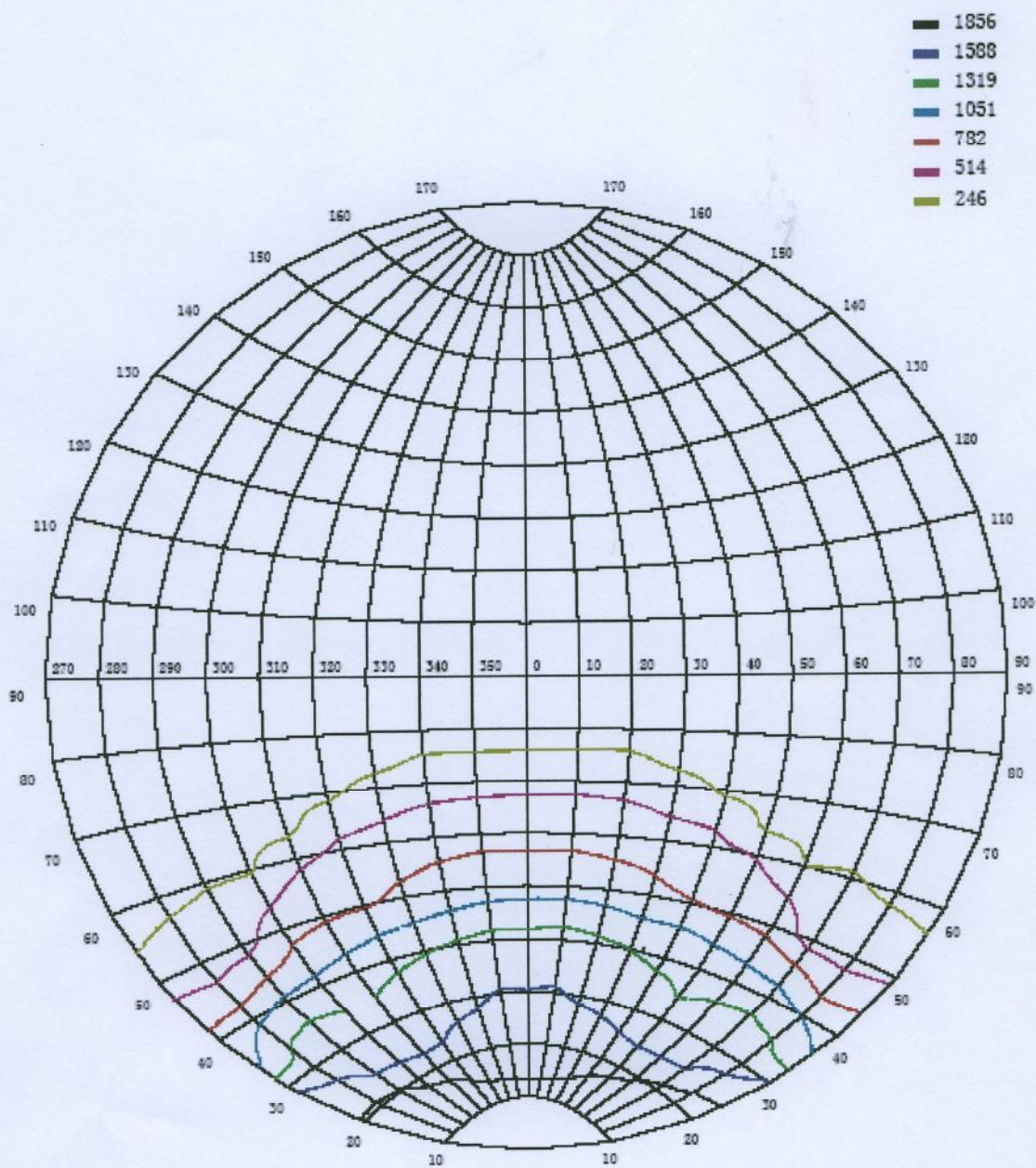
Four-quadrant flux(lm)

1. Street side downward:	2095
2. Street side upward:	0
3. House side downward:	2035.2
4. House side upward:	0

■ Maximum intensity point and half-maximum intensity line.

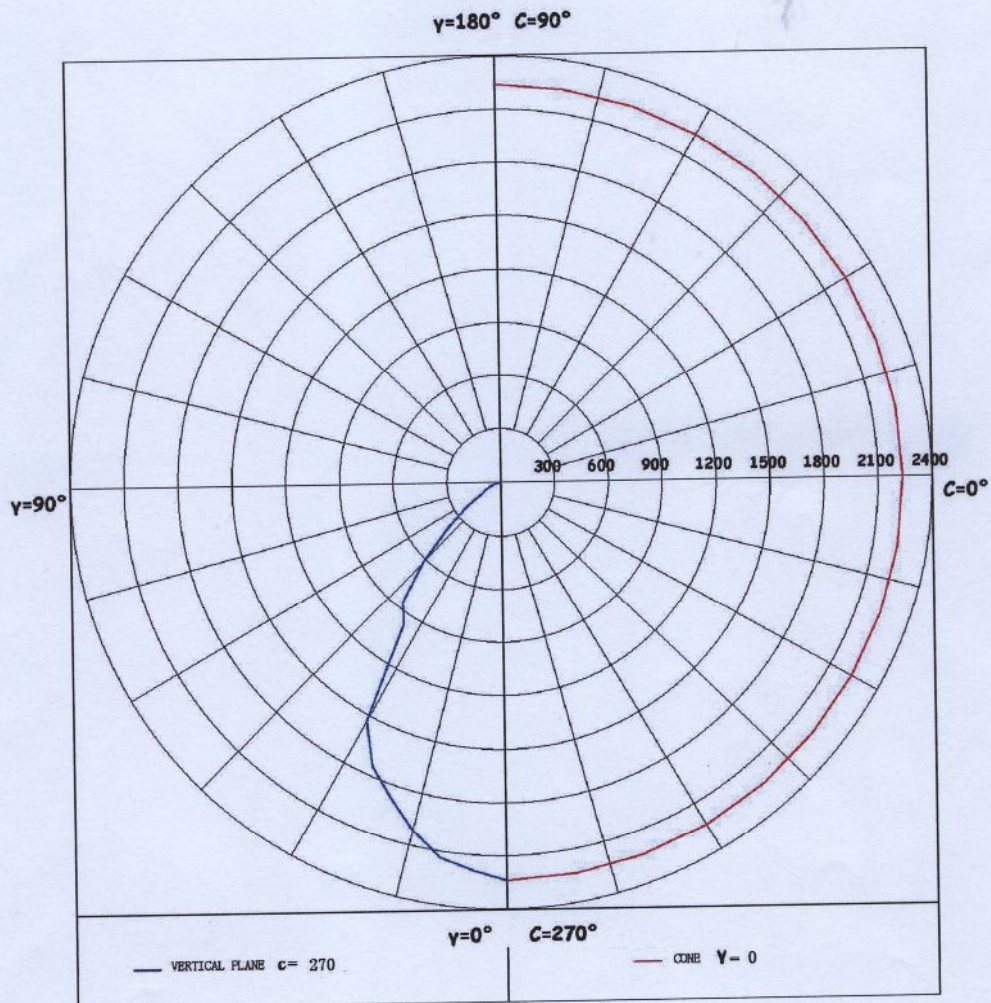
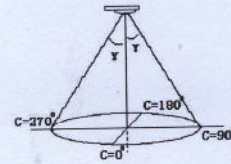
**Isocandela Curve**

**[unit:cd]**





Plane and Cone Including the Maximum Intensity [unit:cd]



**Horizontal illuminance in special direction under the corresponding mounting height**

