

**nltc****National Lighting Test Centre  
China**

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## TEST REPORT

**Report Ref. No. :2009718B**

**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

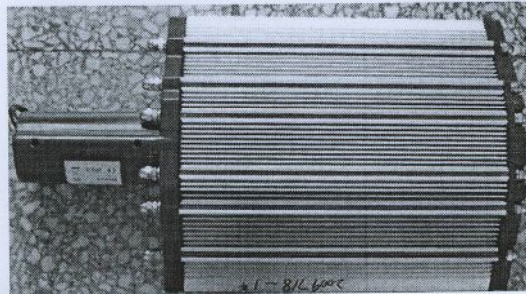
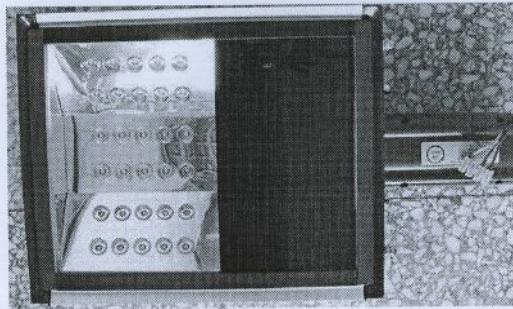
Testing Laboratory Name.....:	National Lighting Test Centre
Address.....:	No.A3 Changpocun Dabeyao, Chaoyang District, Beijing, 10022 China
Report No.....:	2009718B
Tested by (Name and Signature).....:	Caiyun Mao <i>Caiyun Mao</i>
Checked by (Name and Signature).....:	Fang Wang <i>Fang Wang</i>
Approved by (Name and Signature).....:	Zheng Yang <i>Zheng Yang</i>
Date of Issue.....:	September 2, 2009
Contents.....:	10 pages.
Product Name.....:	LED Street Light
Model and/or Type.....:	Lucas I 30
Trademark.....:	U-Tron
Date Code.....:	/
Manufacturer.....:	U-Tron (Beijing) Electronics Co.,Ltd.
Quantity.....:	1 piece
Receiving Date of Sample...:	July 10, 2009
Rating(s).....:	/
<b>Test Specifications:</b>	
Test Item (s).....:	1000h Photometry Test
Reference Standard (s).....:	Refer to GB/T9468-2008
<b>Conclusion:</b> IES document is subjected to the written data, and electronic file is just for reference.	
Remark.....:	See the test data.
<b>Test case verdicts:</b>	
Test case does not apply to the test object.....:	N(.A.)
The sample does meet the requirement of.....:	P(ass)
The sample does not meet the requirement of...:	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	0.21	40.6	0.88
Luminaire Total Flux(lm)	2053.2				
Road side upward(lm)	0	House side upward(lm)		0	
Road side downward(lm)	1022.5	House side downward(lm)		1030.7	

## Photos of Sample



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

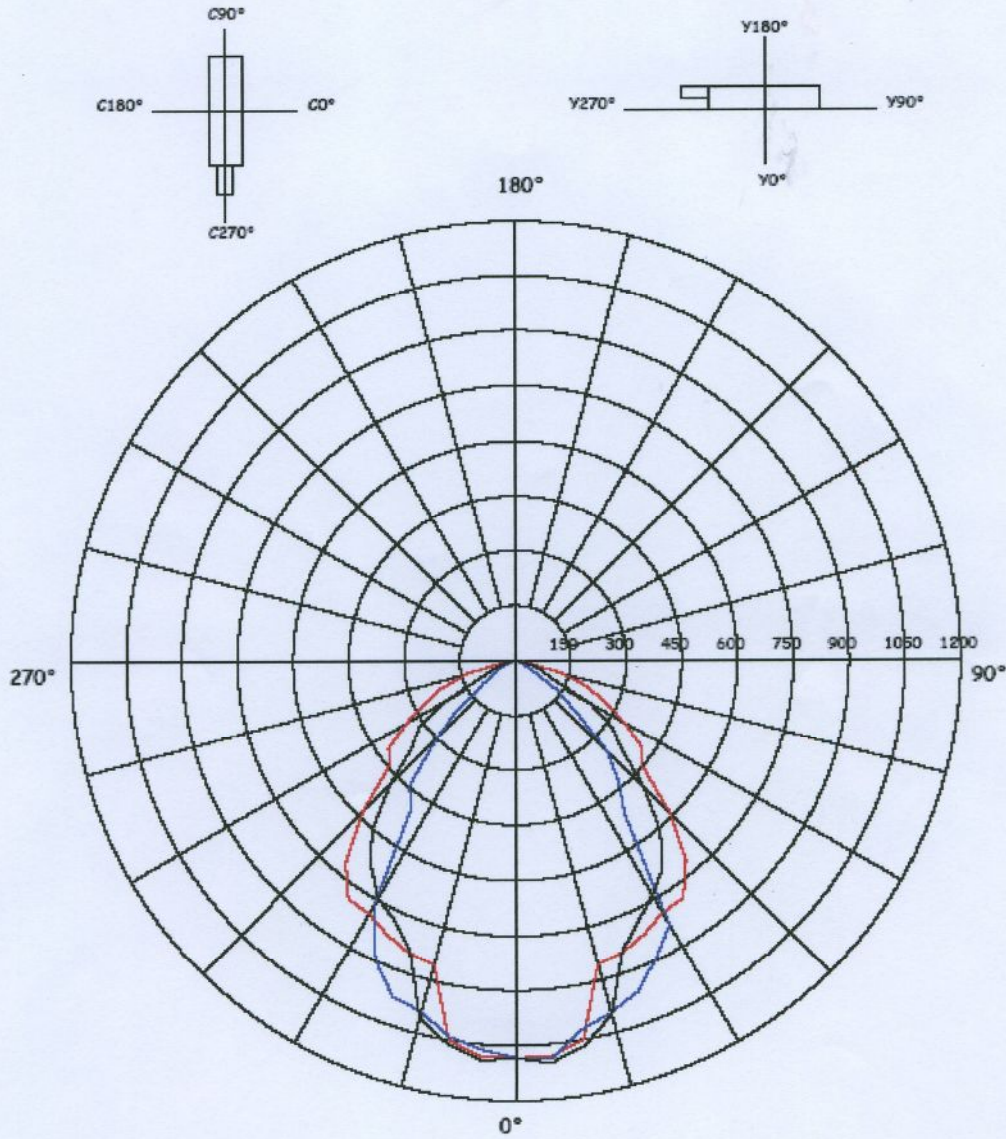






**Intensity Curve (Polar Graph)**

**[Unit:cd]**



**Max Intensity 1100 at C=310  $\gamma=5$**

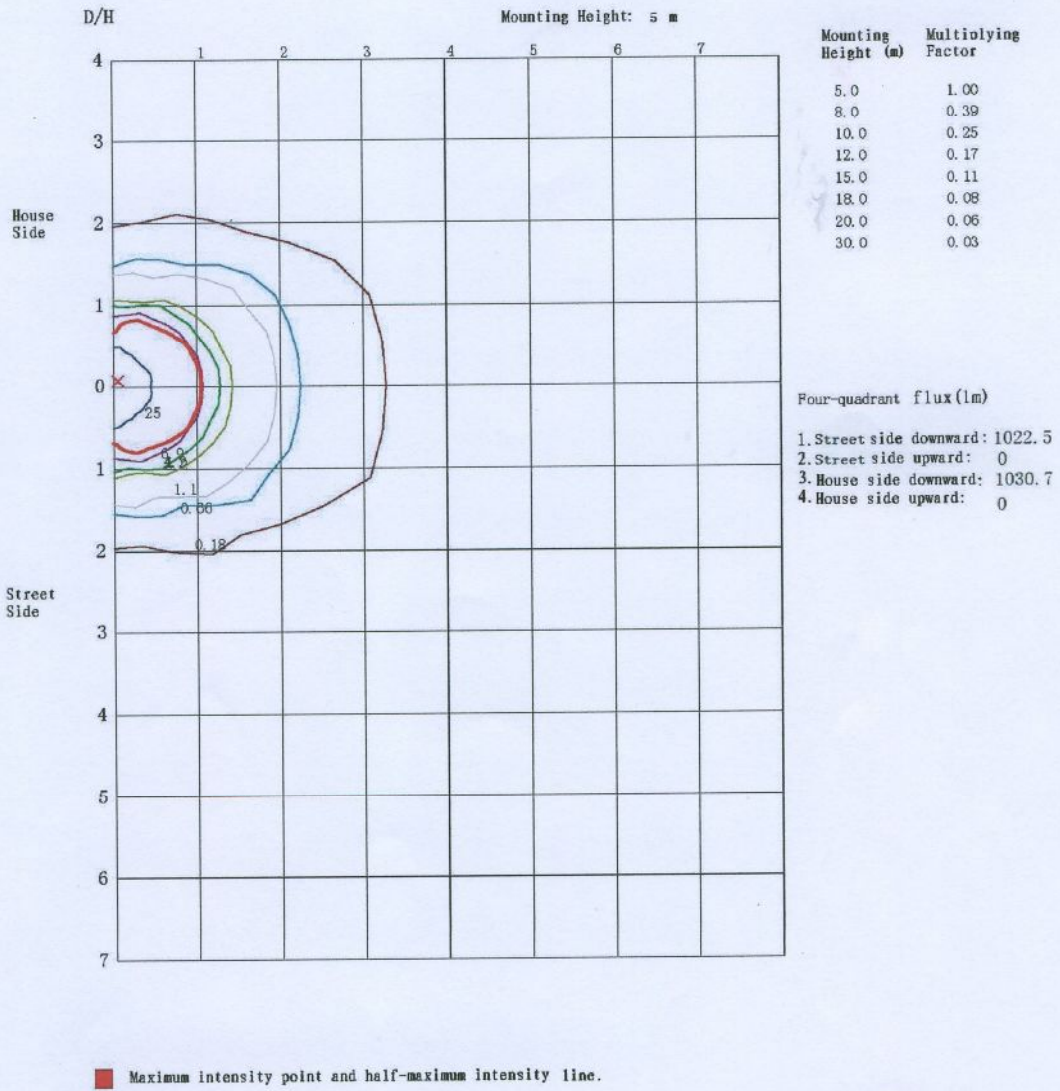
**— Plane: C0 - C180**

**— Plane: C90 - C270**

**— Plane: including max intensity**

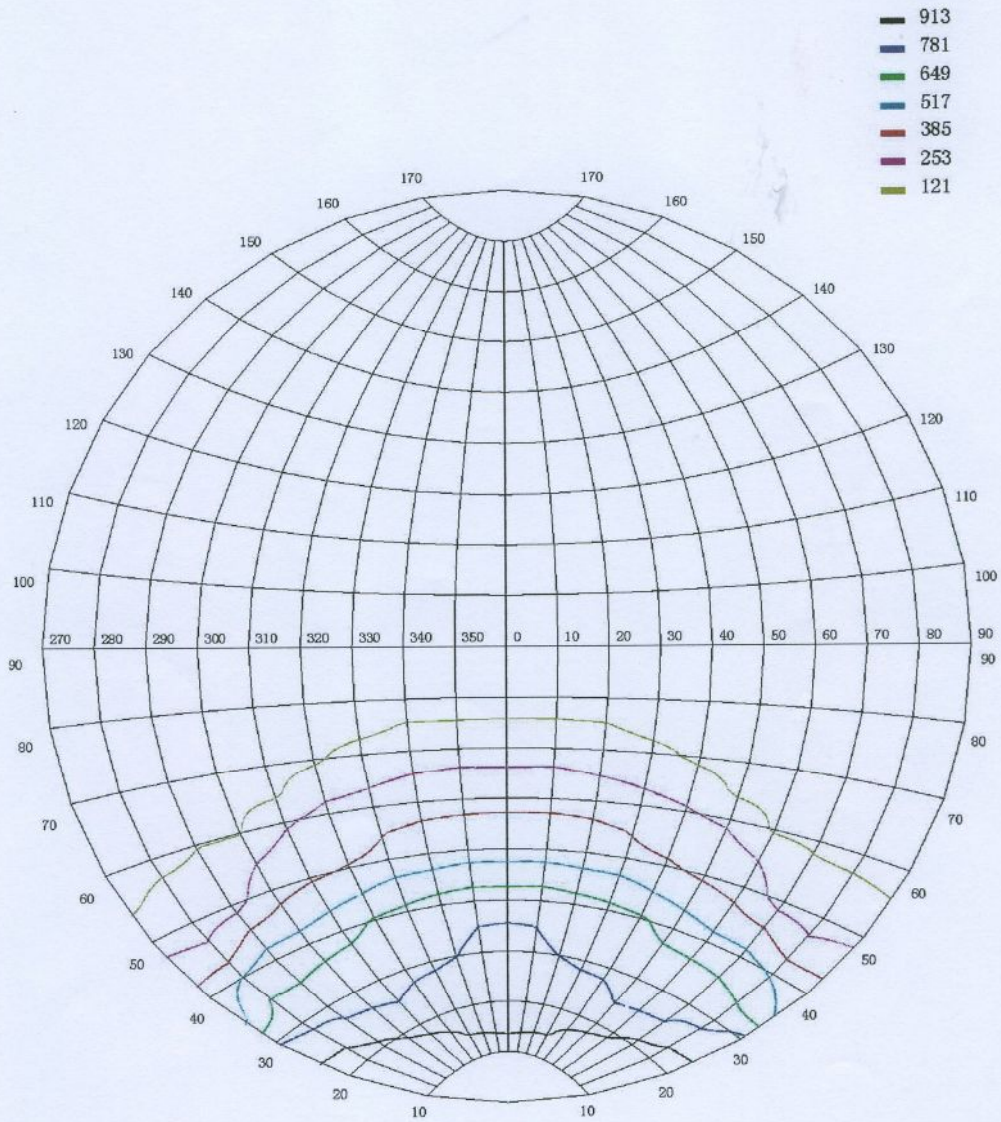
**Isolux Curves**

[unit:lx]



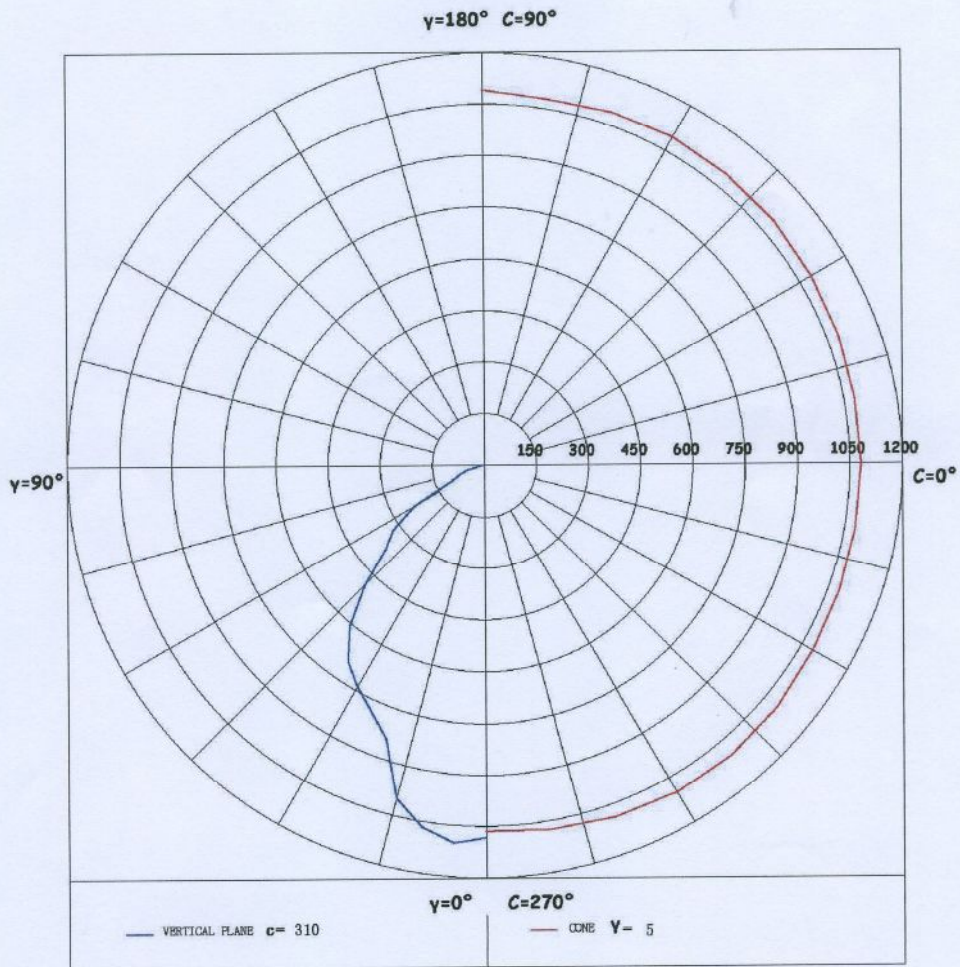
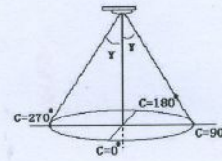
Isocandela Curve

[unit:cd]

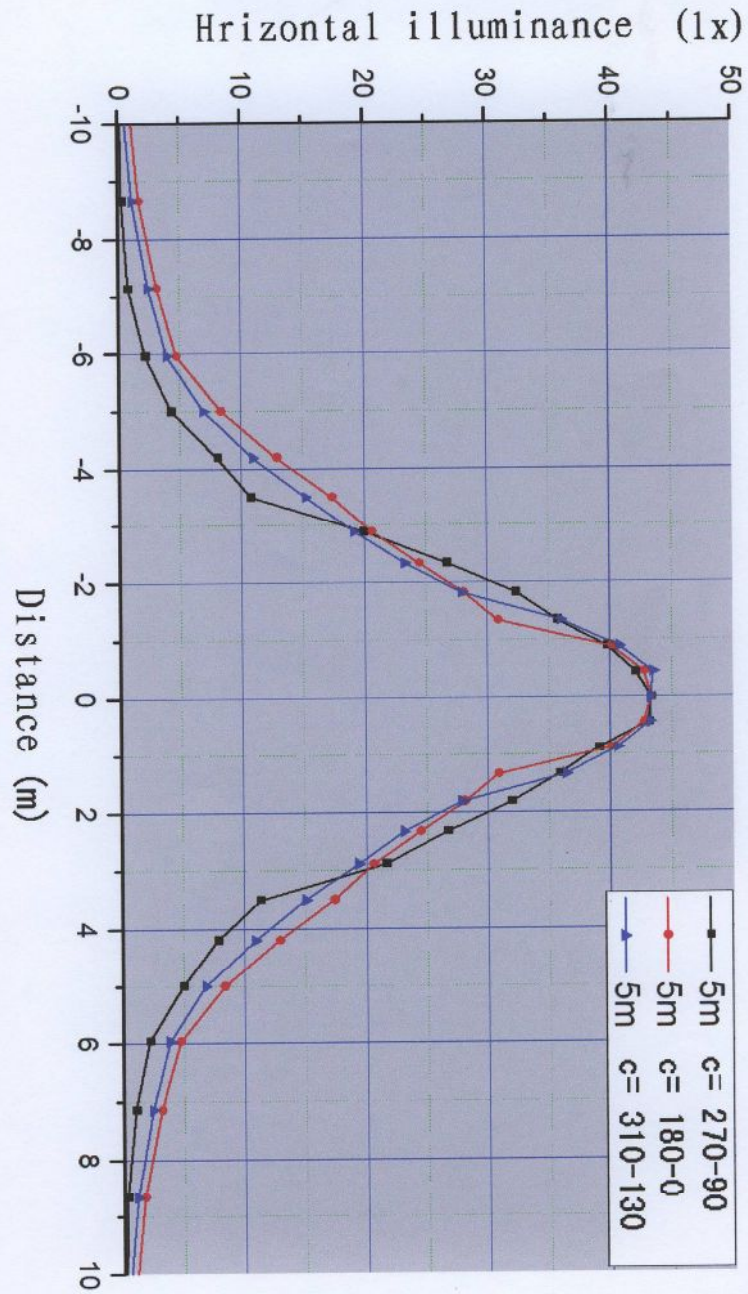




Plane and Cone Including the Maximum Intensity [unit:cd]



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



IES document:

IESNA:LM-63-2002

[TEST]2009718

[TESTLAB]NLTC

[ISSUEDATE]26-08-2009

[MANUFAC]U-Tron

[LUMCAT]Lucas I 30

[LUMINAIRE]LED luminaire

[LAMP]LED

[LAMPCAT]-

[BALLAST]-

[BALLASTCAT]-

TILT=NONE

1 -1 1.0 37 19 1 2 0.265 0.185 0

1.0 1.0 40.6

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180

1083 1090 1022 993 962 895 831 515 434 350 205 135 59 40 25 8 3 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

1083 1078 1032 999 967 880 716 629 503 288 201 165 68 42 25 10 2 0

1083 1088 1048 1019 957 789 747 666 568 402 197 150 103 62 31 17 4 1 0

1083 1095 1063 1027 879 784 732 685 569 430 332 244 106 82 48 21 6 1 0

1083 1094 1062 1009 838 776 745 682 606 480 364 319 226 93 62 39 12 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

1083 1093 1069 960 829 804 761 707 667 518 402 339 266 202 91 56 21 2 0

1083 1088 1088 894 846 821 758 734 681 572 411 379 294 230 168 69 28 5 0

1083 1085 1088 886 852 834 780 749 704 572 433 408 332 253 201 129 26 6 0

1083 1081 1061 869 862 832 801 780 721 594 445 422 338 269 212 138 41 6 0

1083 1082 1049 856 845 821 792 789 715 588 444 419 342 267 210 136 49 7 0

1083 1081 1059 866 867 838 807 781 718 593 445 418 334 269 210 134 42 6 0

1083 1083 1094 882 853 833 780 753 707 573 425 405 332 261 199 136 26 7 0

1083 1087 1081 901 845 823 757 731 676 566 407 381 295 237 189 75 25 8 0

1083 1096 1070 948 827 802 756 708 661 518 392 336 290 208 100 58 25 6 0

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1083 1089 1066 1018 952 796 761 652 592 415 198 150 118 77 37 19 8 3 0

1083 1075 1051 1007 995 878 735 658 522 286 191 155 78 51 27 14 6 2 0

1083 1063 1040 990 974 897 767 489 446 303 203 104 61 42 27 10 5 2 0