

**nltc**

**National Lighting Test Centre  
China**



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## TEST REPORT

**Report Ref. No. :2009717B**

**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

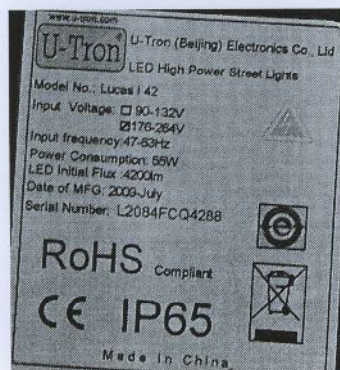
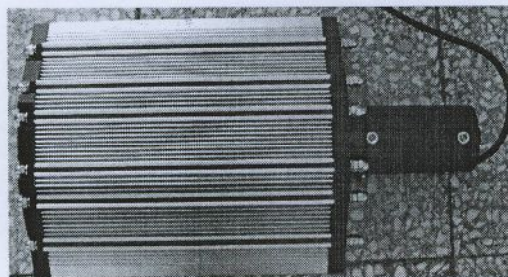
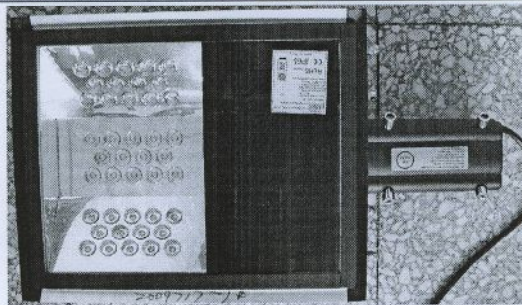
<b>Testing Laboratory Name.....:</b>	National Lighting Test Centre
<b>Address.....:</b>	No.A3 Changpocun Dabeyao, Chaoyang District, Beijing, 100022 China
<b>Report No.....:</b>	2009717B
<b>Tested by (Name and Signature).....:</b>	Caiyun Mao <i>Caiyun Mao</i>
<b>Checked by (Name and Signature).....:</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 I 42
<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

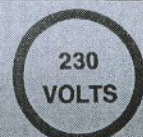
Test conditions:

Sample No.	1#				
Electrical Parameters: (input)	Frequency (Hz)	Voltage (V)	Current (A)	Power (W)	Power Factor
	50	220.0	0.26	52.9	0.92
Luminaire Total Flux(lm)	2801				
Road side upward(lm)	0	House side upward(lm)		0	
Road side downward(lm)	1413	House side downward(lm)		1388	

## 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:

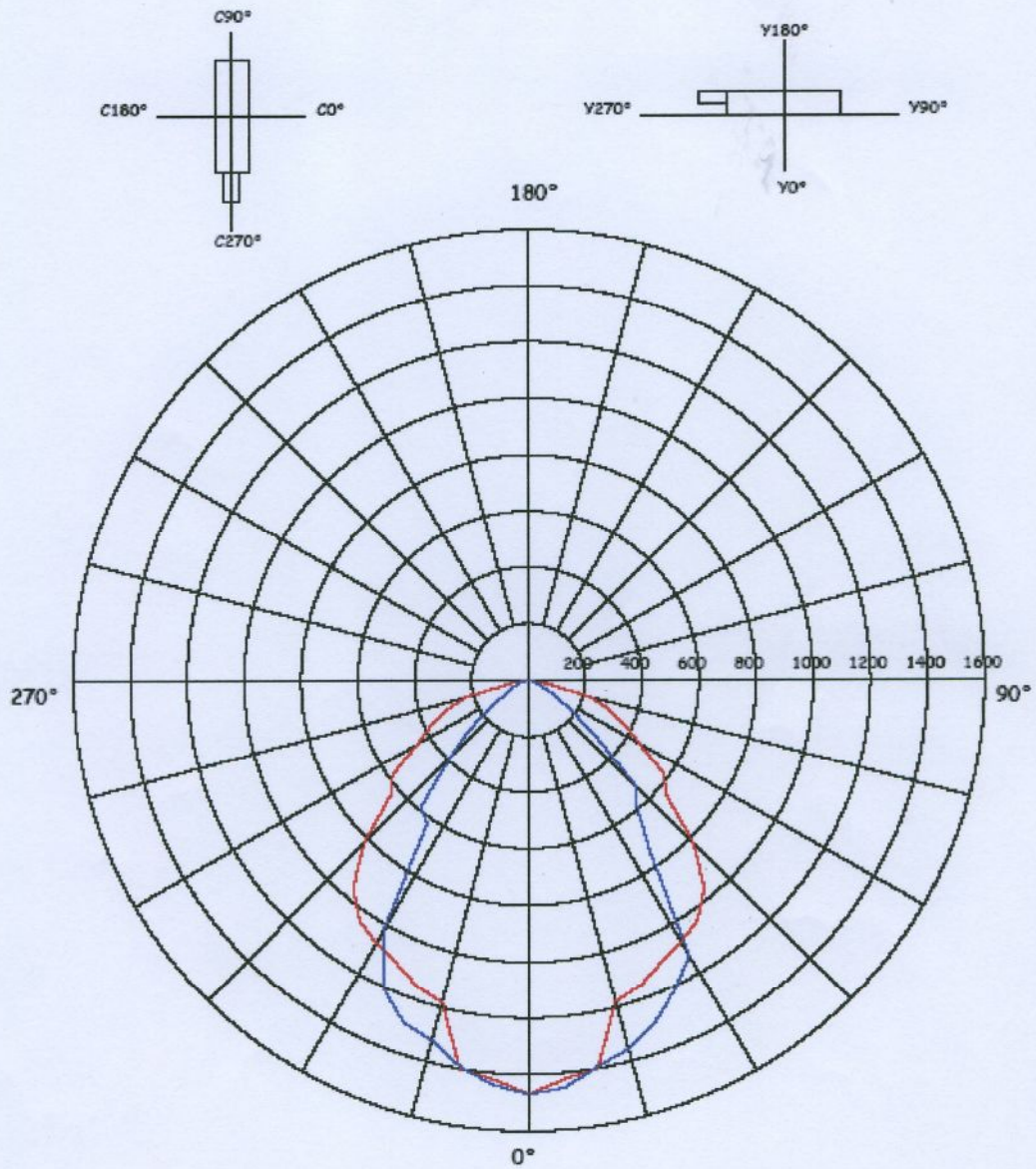






**Intensity Curve (Polar Graph)**

**[Unit:cd]**



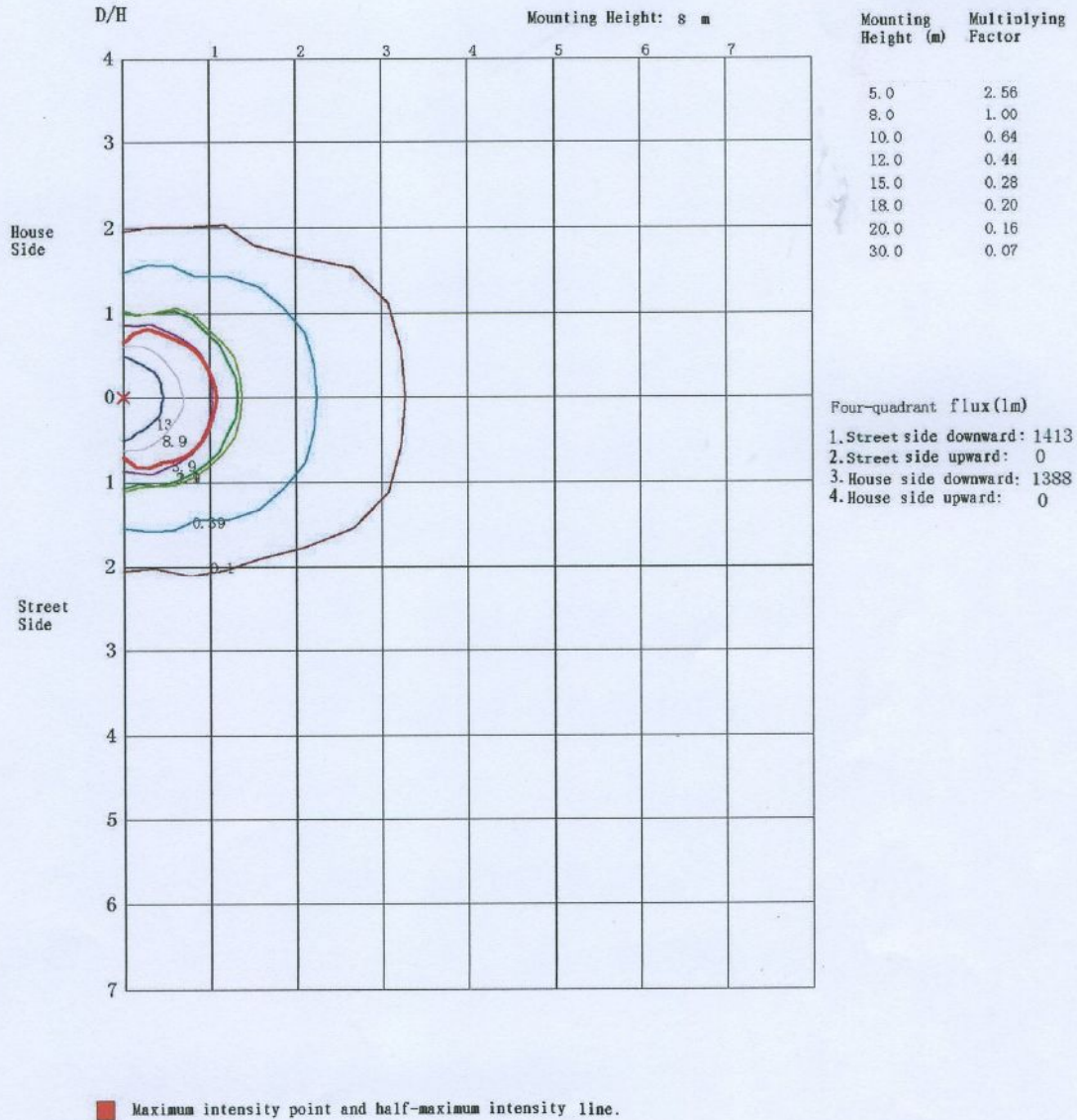
**Max Intensity 1469 at C=270  $\gamma=0$**

**— Plane: C0 - C180**

**— Plane: C90 - C270**

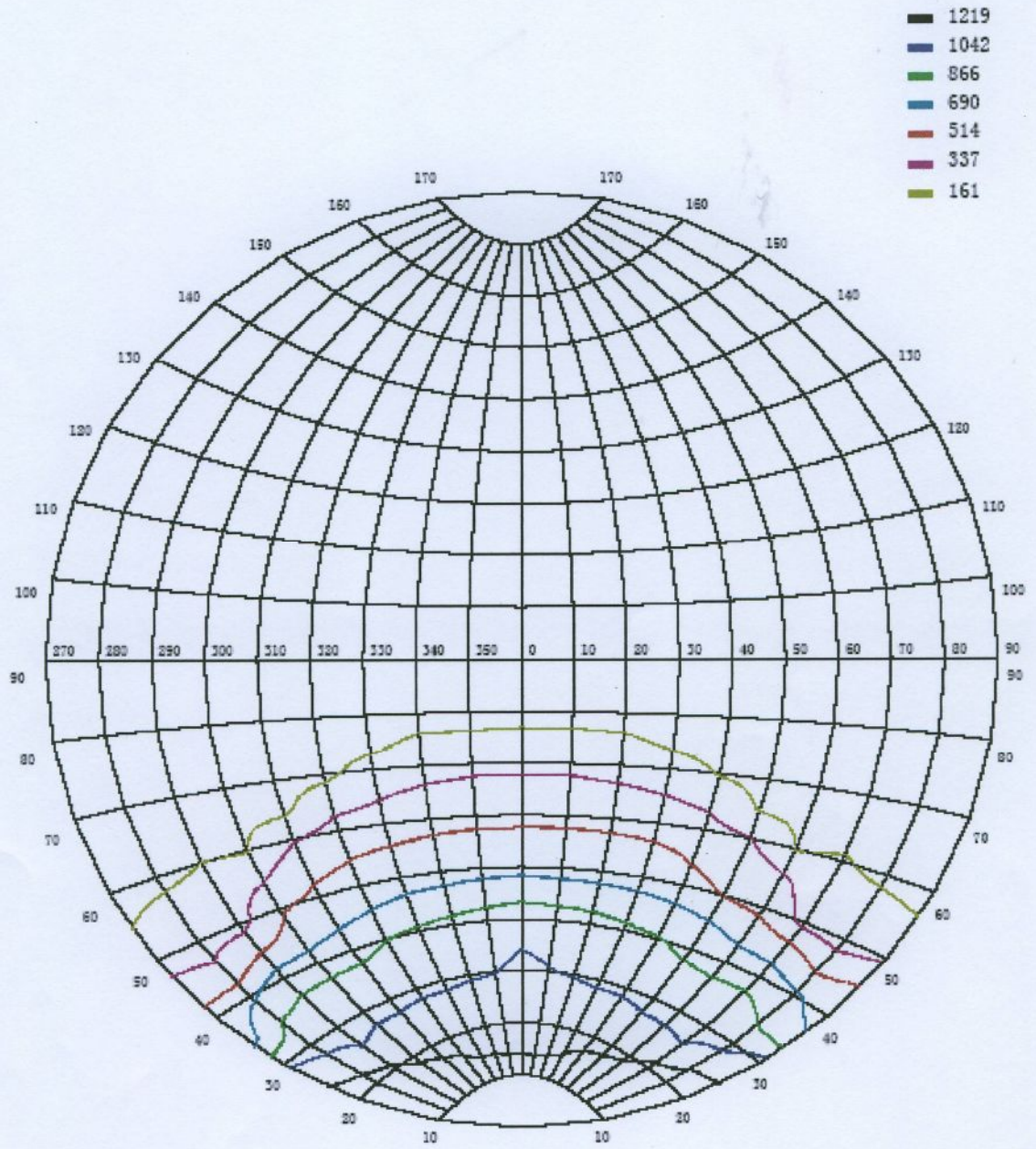
**Isolux Curves**

[unit:lx]



**Isocandela Curve**

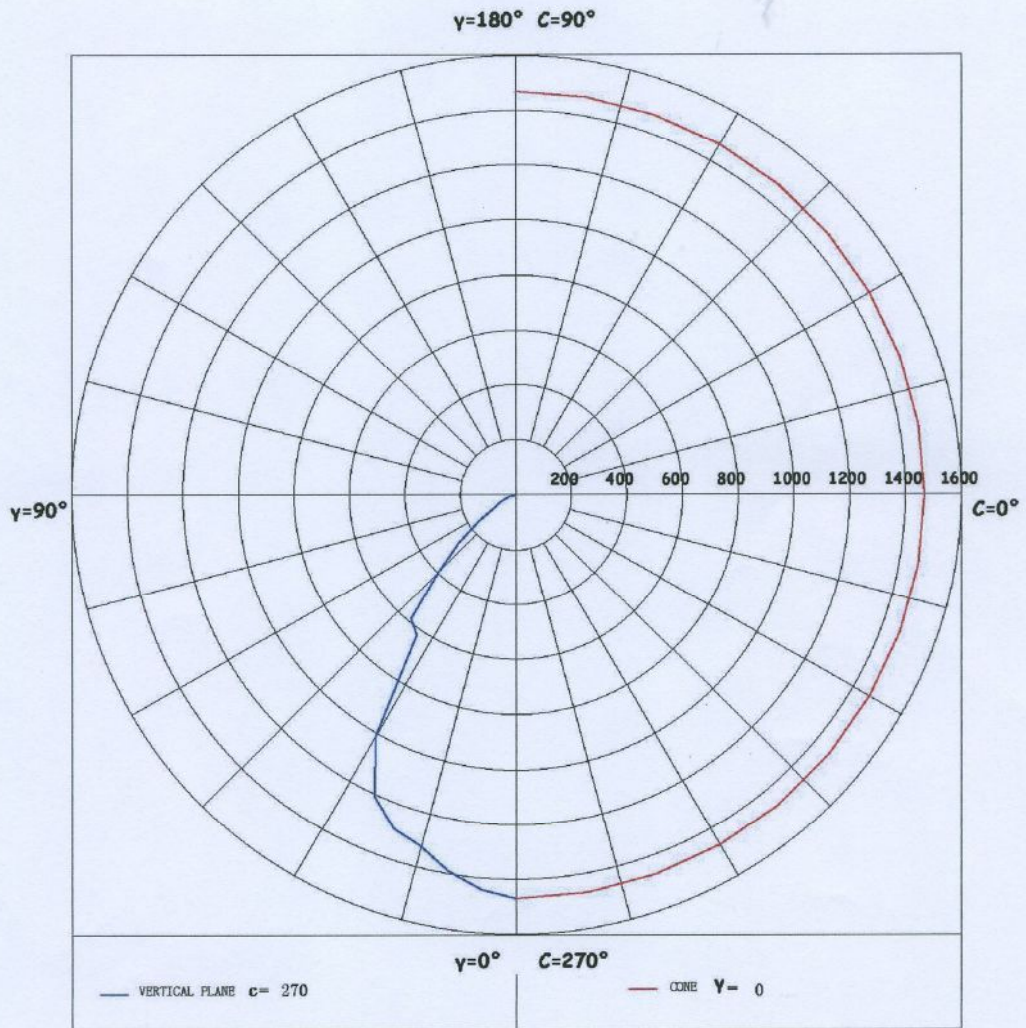
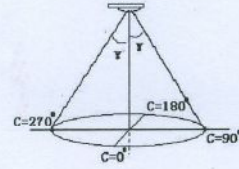
**[unit:cd]**



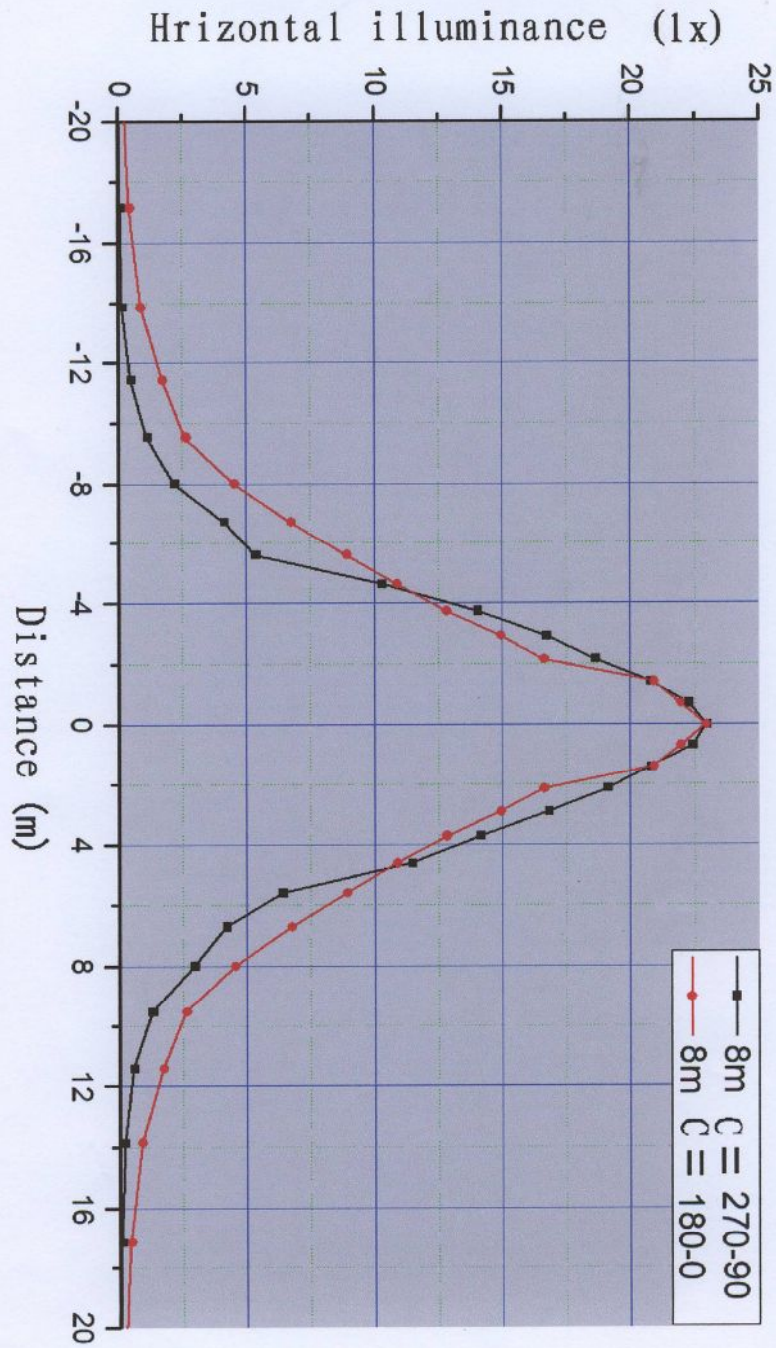


Plane and Cone Including the Maximum Intensity

[unit:cd]



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



IES document:

IESNA:LM-63-2002

[TEST]2009717

[TESTLAB]NLTC

[ISSUEDATE]26-08-2009

[MANUFAC]U-Tron

[LUMCAT]Lucas I 42

[LUMINAIRE]LED luminaire

[LAMP]LED

[LAMPCAT]-

[BALLAST]-

[BALLASTCAT]-

TILT=NONE

1 -1 1.0 37 19 1 2 0.185 0.265 0

1.0 1.0 52.9

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

1469 1451 1393 1356 1296 1214 1128 743 596 530 312 185 106 62 40 13 6 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
1469 1440 1399 1348 1289 1194 968 843 731 470 261 224 127 65 40 18 5 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
1469 1446 1394 1342 1279 1056 987 944 781 613 293 218 174 116 46 25 11 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
1469 1445 1395 1366 1173 1070 1002 924 776 642 466 374 154 124 91 33 13 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
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1469 1430 1422 1275 1147 1096 1017 933 876 753 558 499 390 303 152 83 31 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
1469 1423 1406 1223 1144 1138 1003 969 898 786 587 555 431 340 262 116 46 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
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1469 1441 1392 1322 1289 1206 1014 623 588 394 270 161 84 64 38 25 6 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0