

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: U-Tron Lucas II 84

Manufacturer: U-Tron

Luminaire: Lucas II 84

Lamp: Lucas II 84

Lamp Cat: Street Lights

Lamp Output: 1 lamp(s), rated Lumens/lamp: 7500

Max Candela: 2,288.4 at Horizontal: 310°, Vertical: 2.5°

Input Wattage: 110

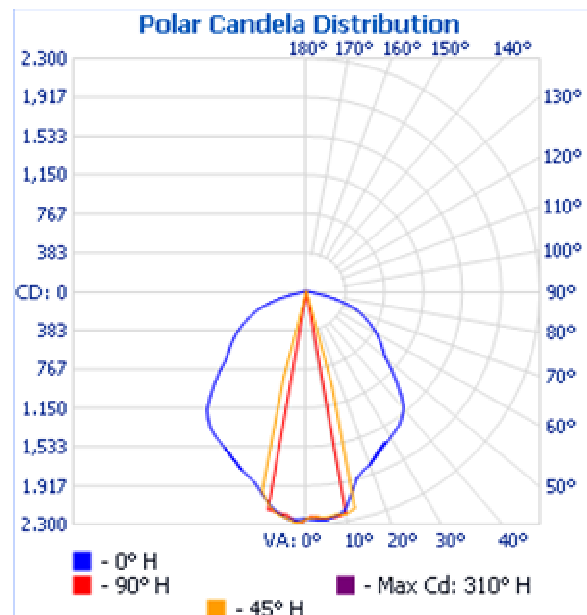
Luminous Opening: Circular (Dia: -0.33m)

Test Date: 2010-04-02

Test Lab: U-Tron (Beijing) Electronics Co., Ltd.

Photometry : Type B

CIE Class: Direct



Roadway Summary

Cutoff Classification: CUTOFF
Distribution: TYPE II, VERY SHORT
Max Cd, 90 Deg Vert: 11.3
Max Cd, 80 to <90 Deg: 87.6

Lumens % Lamp

Downward Street Side:	683.7	9.1%
Downward House Side:	692.4	9.2%
Downward Total:	1,376.1	18.3%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,376.1	18.3%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	756.5	10.1%	55.4%
0-40	958.8	12.8%	70.2%
0-60	1,231.6	16.4%	90.2%
60-90	134.1	1.8%	9.8%
0-90	1,365.8	18.2%	100%
90-180	0	0%	0%
0-180	1,365.8	18.2%	100%

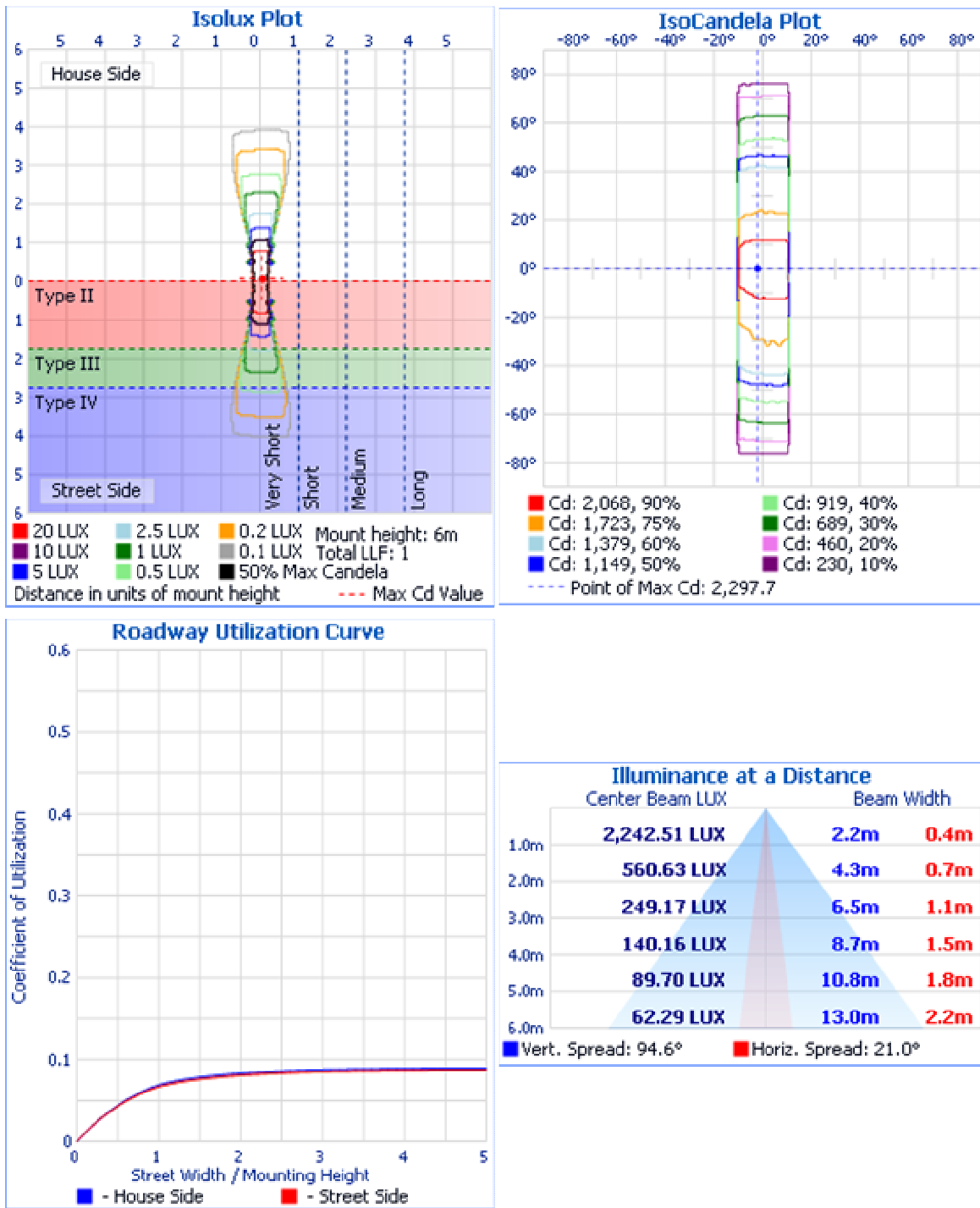
Efficiency Total: 18.2%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	17.7%	1,331.1	21.8	152.4
Beam (50%):	13.6%	1,021.2	21	94.6
Total:	17.9%	1,343.8		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	212.8	15.6%	90-100	0	0%
10-20	298.8	21.9%	100-110	0	0%
20-30	244.9	17.9%	110-120	0	0%
30-40	202.3	14.8%	120-130	0	0%
40-50	161.6	11.8%	130-140	0	0%
50-60	111.2	8.1%	140-150	0	0%
60-70	87.7	6.4%	150-160	0	0%
70-80	41.7	3.1%	160-170	0	0%
80-90	4.7	0.3%	170-180	0	0%



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Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[TESTLAB] U-Tron (Beijing) Electronics Co., Ltd.
[TESTDATE] 2010-04-02
[ISSUEDATE] 2010-04-02 16:28:02
[LAMPPOSITION] 0,0
[OTHER] EVERFINE G01900_V2 SYSTEM
[MANUFAC] U-Tron
[LUMINAIRE] Lucas II 84
[LAMPCAT] Street Lights
[LAMP] Lucas II 84
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 91, HORIZONTAL ANGLES: 181
FILE: COORDINATE SYSTEM: TYPE B
FILE: UNIT OF MEASURE: METRIC

FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.