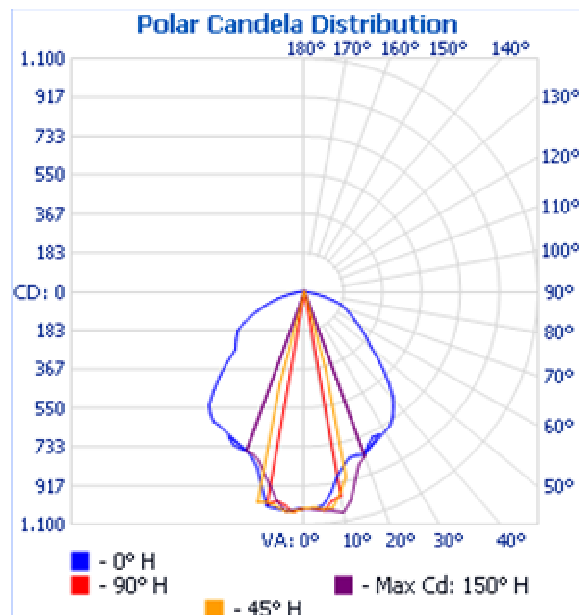


Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: U-Tron Lucas I 30
Manufacturer: U-Tron
Luminaire: Lucas I 30
Lamp: Lucas I 30
Lamp Cat: Street lights
Lamp Output: 1 lamp(s), rated Lumens/lamp: 3000
Max Candela: 1,059.2 at Horizontal: 150°, Vertical: 10°
Input Wattage: 40
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 I, VERY SHORT
Max Cd, 90 Deg Vert: 12.2
Max Cd, 80 to <90 Deg: 61.4

Lumens % Lamp

Downward Street Side:	292.4	9.7%
Downward House Side:	314.3	10.5%
Downward Total:	606.7	20.2%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	606.7	20.2%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	339.5	11.3%	56.4%
0-40	431.1	14.4%	71.6%
0-60	547.9	18.3%	91%
60-90	54.3	1.8%	9%
0-90	602.2	20.1%	100%
90-180	0	0%	0%
0-180	602.2	20.1%	100%

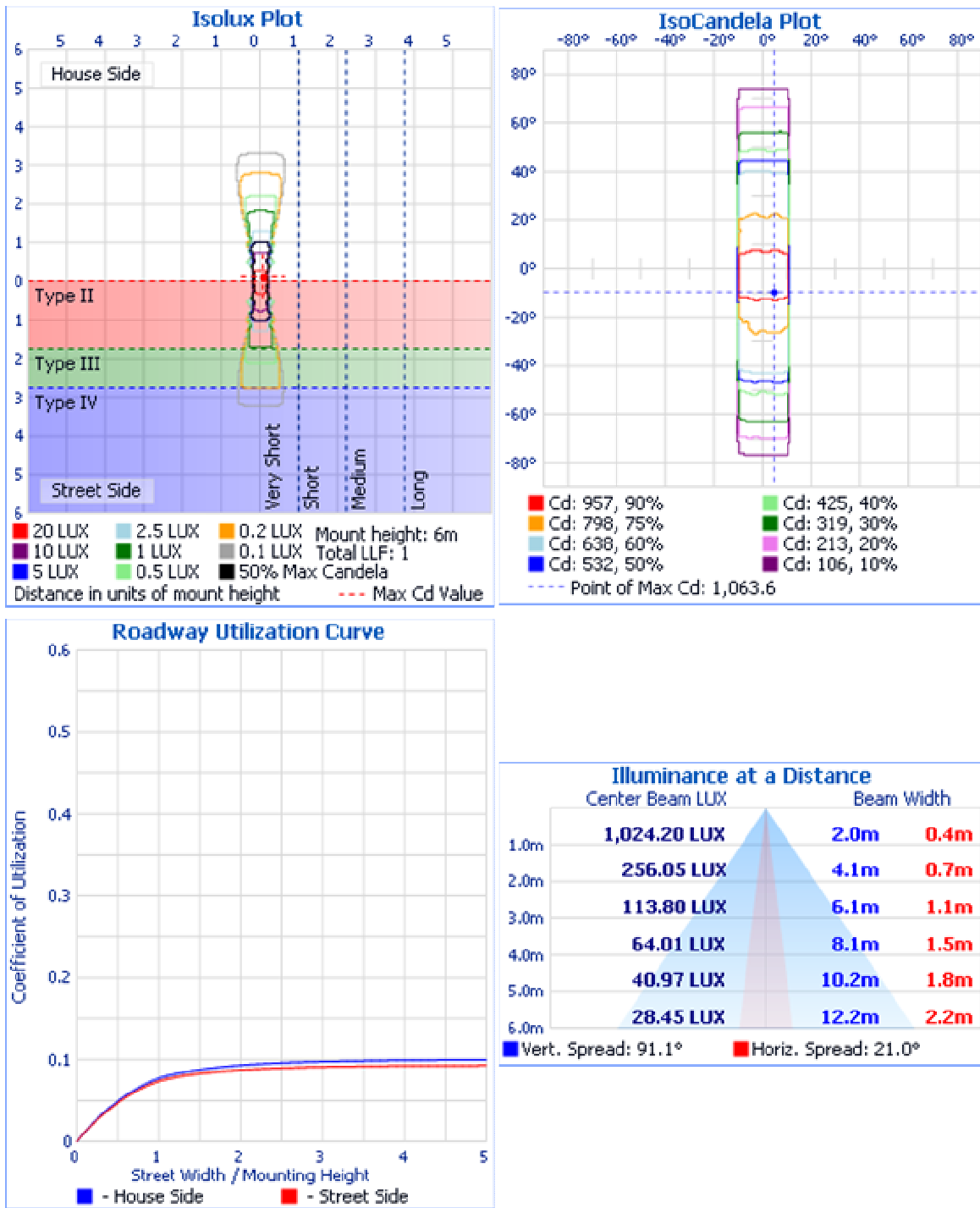
Efficiency Total: 20.1%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	19.5%	585.6	21.8	151.1
Beam (50%):	14.8%	445.5	21	91.1
Total:	19.8%	592.9		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	96.8	16.1%	90-100	0	0%
10-20	133.0	22.1%	100-110	0	0%
20-30	109.7	18.2%	110-120	0	0%
30-40	91.6	15.2%	120-130	0	0%
40-50	70.8	11.8%	130-140	0	0%
50-60	46.0	7.6%	140-150	0	0%
60-70	35.1	5.8%	150-160	0	0%
70-80	16.6	2.8%	160-170	0	0%
80-90	2.6	0.4%	170-180	0	0%



Photometrics Pro - Evaluation Version

Photometrics Pro - Evaluation Version

Luminaire Report Summary

IESNA:LM-63-2002
[TEST]
[TESTLAB] U-Tron (Beijing) Electronics Co., Ltd.
[TESTDATE] 2010-04-02
[ISSUEDATE] 2010-04-02 15:42:02
[LAMPPOSITION] 0,0
[OTHER] EVERFINE G01900_V2 SYSTEM
[MANUFAC] U-Tron
[LUMINAIRE] Lucas I 30
[LAMPCAT] Street lights
[LAMP] Lucas I 30
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.