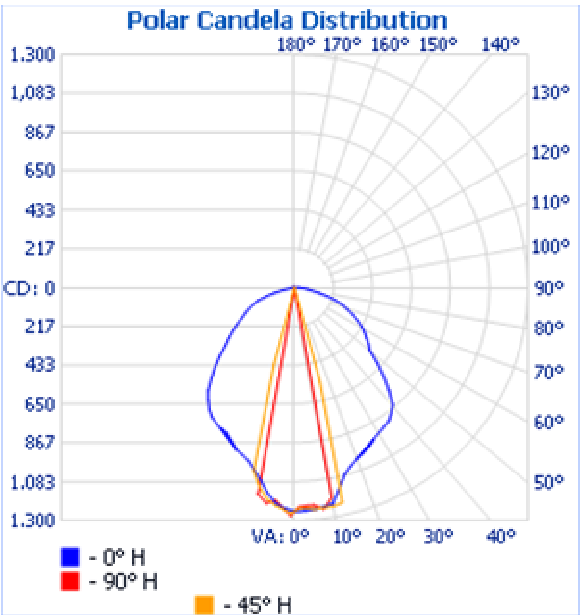


Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: U-Tron Lucas I 42
Manufacturer: U-Tron
Luminaire: Lucas I 42
Lamp: Lucas I 42
Lamp Cat: Street lights
Lamp Output: 1 lamp(s), rated Lumens/lamp: 4200
Max Candela: 1,275.3 at Horizontal: 270°, Vertical: 1°
Input Wattage: 55
Luminous Opening: Ellipse (L: -0.6m, W: -0.33m)
Test Date: 2010-04-01
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:	3.2	
Max Cd, 80 to <90 Deg:	92.9	
	Lumens	% Lamp
Downward Street Side:	386.0	9.2%
Downward House Side:	346.0	8.2%
Downward Total:	732.0	17.4%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	732.0	17.4%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	407.5	9.7%	56.1%
0-40	515.6	12.3%	71%
0-60	657.5	15.7%	90.5%
60-90	68.9	1.6%	9.5%
0-90	726.4	17.3%	100%
90-180	0	0%	0%
0-180	726.4	17.3%	100%

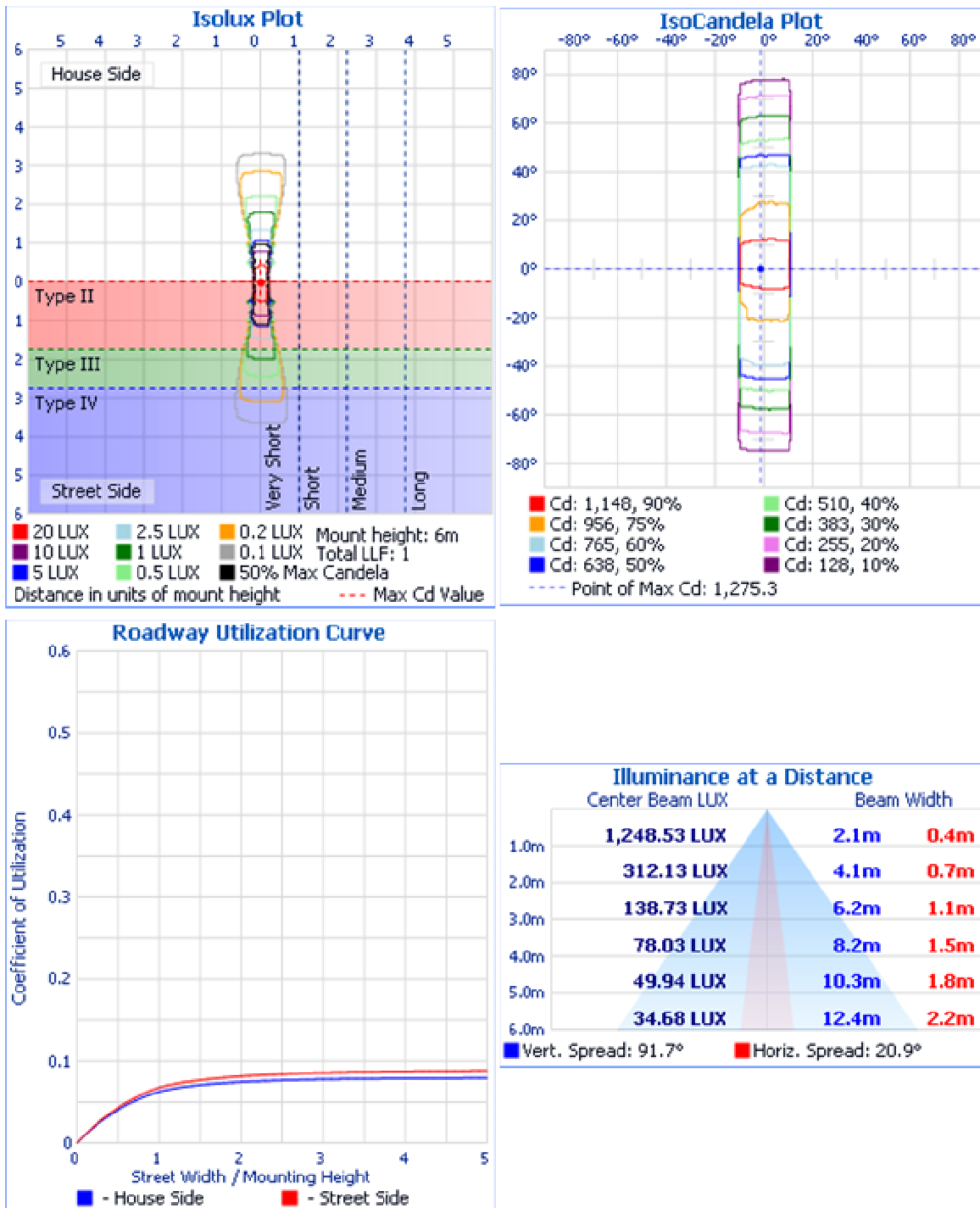
Efficiency Total: 17.3%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	16.8%	706.6	21.8	152.5
Beam (50%):	12.8%	538.1	20.9	91.7
Total:	17%	715.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	115.8	15.9%	90-100	0	0%
10-20	160.0	22.0%	100-110	0	0%
20-30	131.7	18.1%	110-120	0	0%
30-40	108.1	14.9%	120-130	0	0%
40-50	85.4	11.8%	130-140	0	0%
50-60	56.5	7.8%	140-150	0	0%
60-70	43.4	6.0%	150-160	0	0%
70-80	21.8	3.0%	160-170	0	0%
80-90	3.7	0.5%	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] 2010-04-01
[ISSUEDATE] 2010-04-01 14:54:58
[LAMPPOSITION] 0,0
[OTHER] EVERFINE G01900_V2 SYSTEM
[MANUFAC] U-Tron
[LUMINAIRE] Lucas I 42
[LAMPCAT] Street lights
[LAMP] Lucas I 42
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.