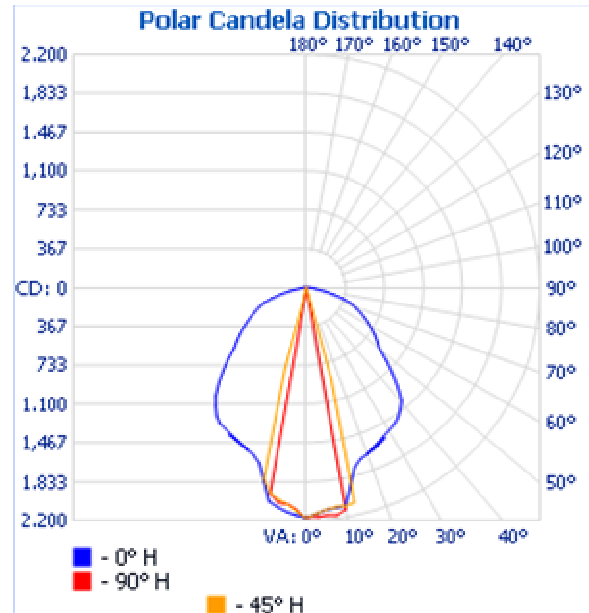


Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: U-Tron Lucas II 60
Manufacturer: U-Tron
Luminaire: Lucas II 60
Lamp: Lucas II 60
Lamp Cat: Street lights
Lamp Output: 1 lamp(s), rated Lumens/lamp: 6000
Max Candela: 2,174.4 at Horizontal: 0°, Vertical: 0°
Input Wattage: 80
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:	14.8	
Max Cd, 80 to <90 Deg:	100.0	
	Lumens	% Lamp
Downward Street Side:	622.9	10.4%
Downward House Side:	616.2	10.3%
Downward Total:	1,239.1	20.7%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,239.1	20.7%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	688.9	11.5%	56%
0-40	873.1	14.6%	71%
0-60	1,112.7	18.5%	90.5%
60-90	117.3	2%	9.5%
0-90	1,230.0	20.5%	100%
90-180	0	0%	0%
0-180	1,230.0	20.5%	100%

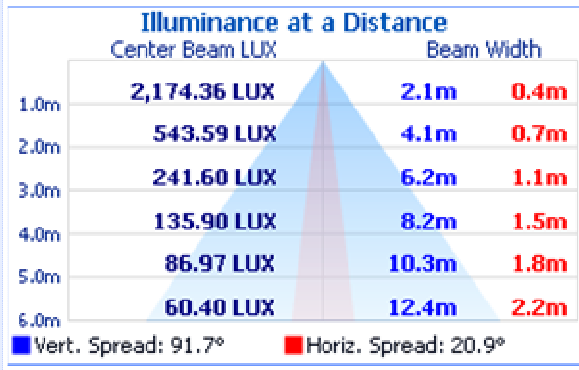
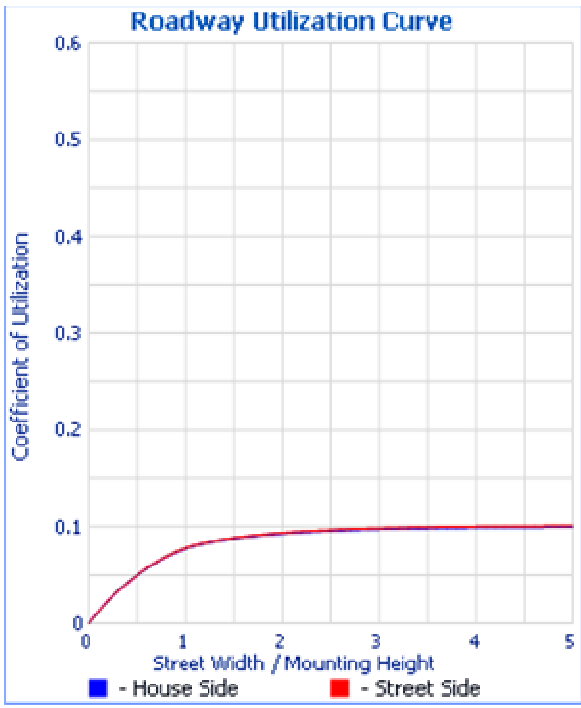
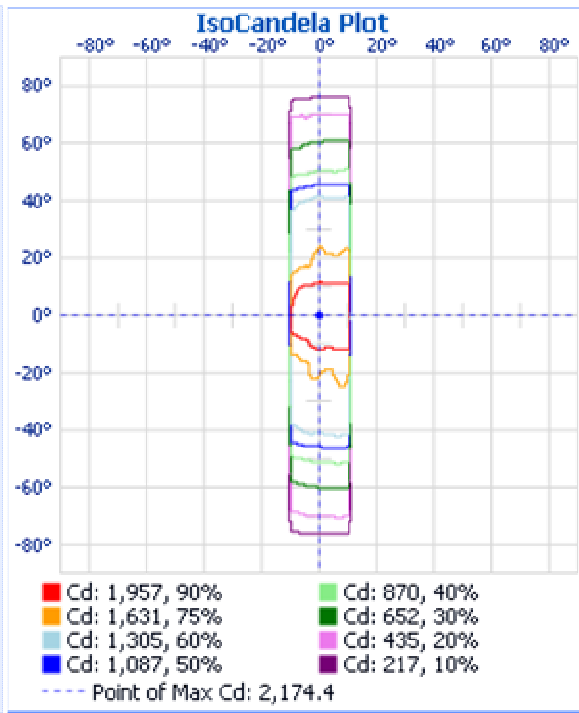
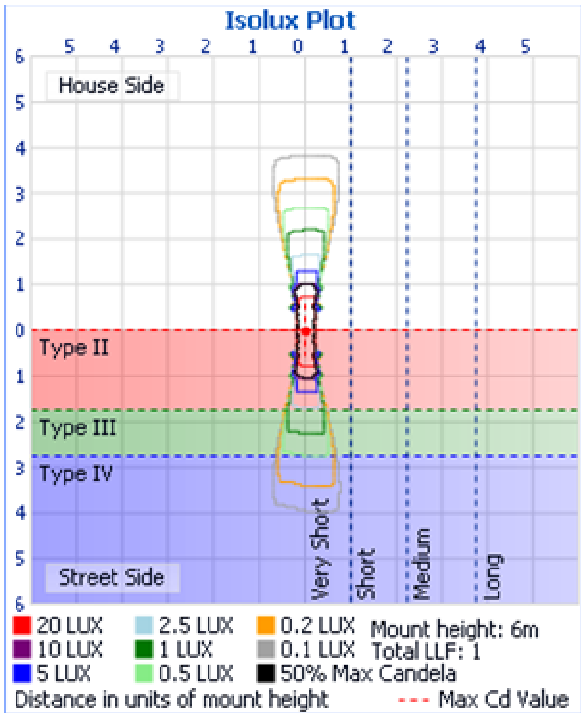
Efficiency Total: 20.5%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	20%	1,198.7	21.8	152.2
Beam (50%):	15.2%	910.3	20.9	91.7
Total:	20.2%	1,212.0		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	198.5	16.1%	90-100	0	0%
10-20	270.8	22.0%	100-110	0	0%
20-30	219.5	17.9%	110-120	0	0%
30-40	184.2	15.0%	120-130	0	0%
40-50	144.1	11.7%	130-140	0	0%
50-60	95.5	7.8%	140-150	0	0%
60-70	74.6	6.1%	150-160	0	0%
70-80	37.1	3.0%	160-170	0	0%
80-90	5.6	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
 [ISSUE DATE] 2010-04-01 15:42:55
 [LAMP POSITION] 0,0
 [OTHER] EVERFINE G01900_V2 SYSTEM
 [MANUFAC] U-Tron
 [LUMINAIRE] Lucas II 60
 [LAMP CAT] Street lights
 [LAMP] Lucas II 60
 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.