



Luminaire Photometric Report

Filename: LeDiwali 12-20W AC Warm White

Manufacturer: U-Tron

Luminaire: LeDiwali 12-20W AC Warm White

Luminaire Cat: Street Light

Lamp: LeDiwali 12-20W AC Warm White

Lamp Output: 1 lamp(s), rated Lumens/lamp: 1911.5

Max Candela: 856.0 at Horizontal: 165°, Vertical: 60°

Input Wattage: 20

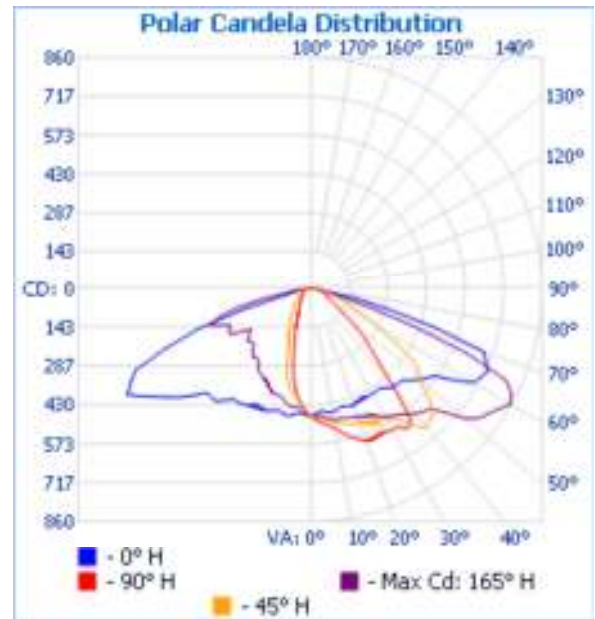
Luminous Opening: Point

Test: 20130419

Test Date: 2013-04-19

Photometry : Type B

CIE Class: Direct



Roadway Summary

Cutoff Classification:	CUTOFF	
Distribution:	TYPE IV, VERY SHORT	
Max Cd, 90 Deg Vert:	33.6	
Max Cd, 80 to <90 Deg:	103.7	
	Lumens % Lamp	
Downward Street Side:	747.8	39.1%
Downward House Side:	756.7	39.6%
Downward Total:	1,504.5	78.7%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	1,504.5	78.7%

Zonal Lumen Summary

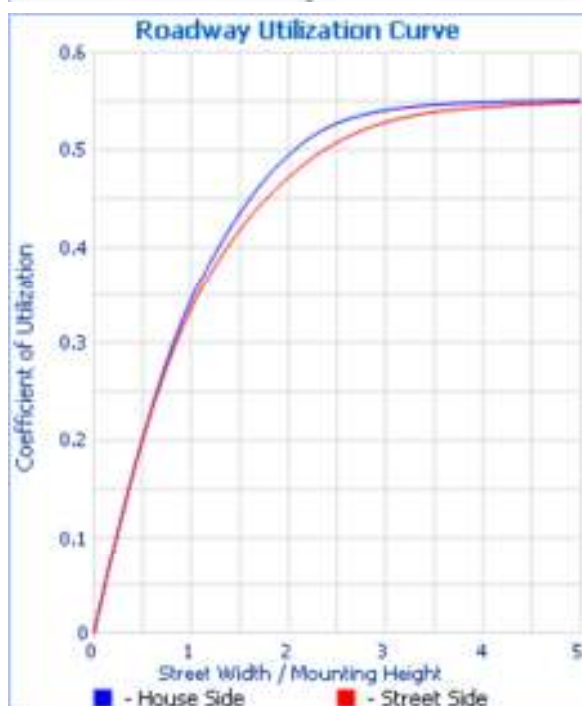
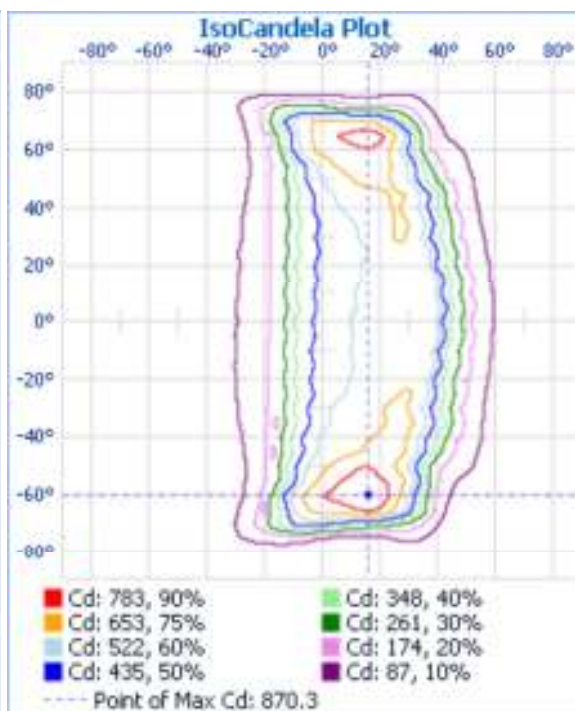
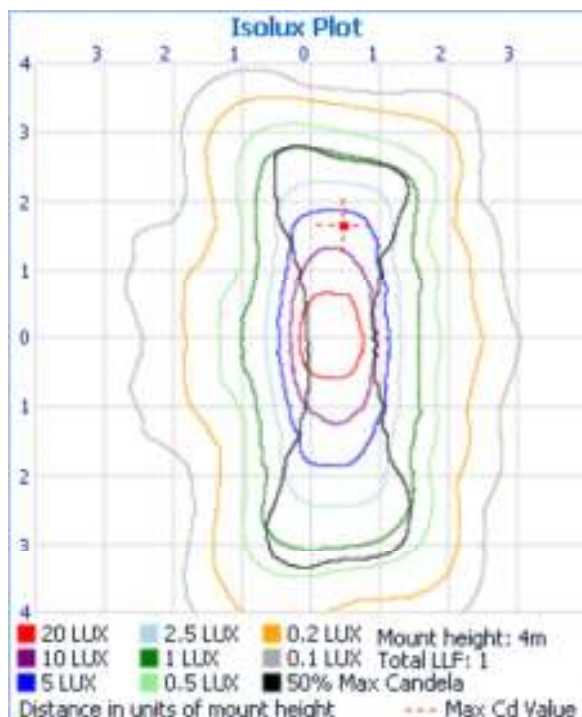
Zone	Lumens	% Lamp	% Luminaire
0-30	346.6	18.1%	23%
0-40	587.7	30.7%	39.1%
0-60	1,118.8	58.5%	74.4%
60-90	384.9	20.1%	25.6%
0-90	1,503.7	78.7%	100%
90-180	0	0%	0%
0-180	1,503.7	78.7%	100%
Efficiency Total: 78.7%			

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	72.7%	1,390.5	71.5	153.2
Beam (50%):	53%	1,012.4	45.2	141.4
Total:	78.5%	1,500.6		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	43.3	2.9%	90-100	0	0%
10-20	119.5	7.9%	100-110	0	0%
20-30	183.7	12.2%	110-120	0	0%
30-40	241.1	16.0%	120-130	0	0%
40-50	266.0	17.7%	130-140	0	0%
50-60	265.1	17.6%	140-150	0	0%
60-70	247.0	16.4%	150-160	0	0%
70-80	112.8	7.5%	160-170	0	0%
80-90	25.1	1.7%	170-180	0	0%



Luminaire Report Summary

IESNA:LM-63-2001
[TEST]20130419
[MANUFAC] U-Tron (Beijing) Electronics Co., Ltd.
[TESTDATE] 2013-04-19
[LAMPPOSITION] 0,0
[MANUFAC] U-Tron
[LUMINAIRE] LeDiwali 12-20W AC Warm White
[LAMP] LeDiwali 12-20W AC Warm White
[LUMCAT] Street Light
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, 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.