



PHOTOMETRICS TEST

Date: September 12, 20007 Tested by: Tolek

Unit: Hatteras LED, Warm White
 Light Source: 1 Cree WW LED
 Voltage: 12.0 VDC Current: 238 mA
 Power: 2.856 Watts
 Lens: Glass diffused
 Reflector: aluminum conical

Light Meter: Chroma and Illuminance meter Minolta CL-200 s/n: 79221024

Color Temp CCT: 2718°K x = 0.4489 y = 0.3935 Δuv = - 0.0050

Distance: 39.37 inches (1.00 m)				
Position #	Angle [°]	Distance from Center point [inch]	Illuminance Avg of 4 measures [Fc]	Illuminance [Lux]
1	0	0	4.40	47.4
2	10	6.94	3.98	42.8
3	20	14.33	2.99	32.2
4	23	16.73	2.66	28.6
5	30	22.73	1.90	20.4
6	40	33.04	1.01	10.9

Beam angle FWHM = 52°

Integrated sphere measurements: Flux = 74.3 lm, CRI=83.6, CCT = 2748°K

Preheating time before measurement t = 120 minutes

Ambient Room Temperature Ta = 24.0 °C

Heat Sink Temperature Th = 43.0 °C

