



## Integrating Sphere Test Report

Relevant Standards

IES LM-79-2008

ANSI C78.377-2008, ANSI C82.77

CIE 13.3-1995, CIE 15-2004

Prepared For  
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Catalog Number  
**PAR30**

LTL Test Number  
**24896**

Test Date

2011-08-11

Prepared By

Eric Gaudreau, Technician III

Approved By

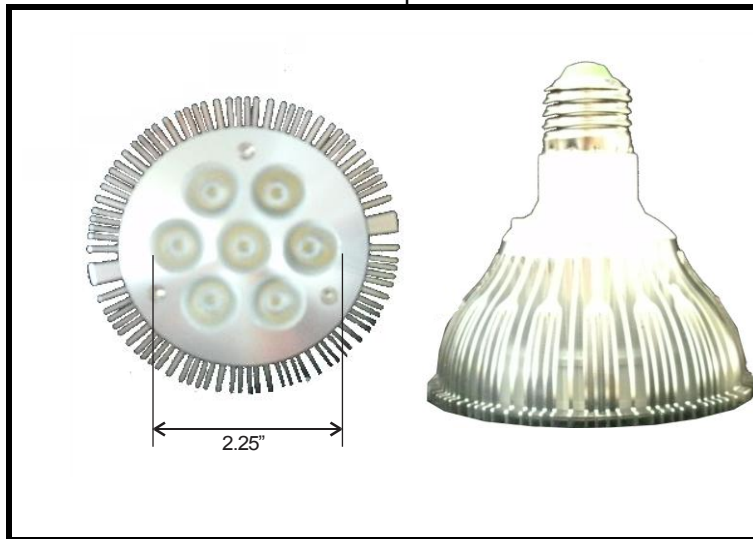
Brian Moyer, Engineer

The results contained in this report pertain only to the tested sample.  
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Lamp Description: Machined aluminum heatsink housing, no enclosure  
Catalog Number: PAR30  
Lamp: One PAR30 LED replacement lamp with seven white LEDs with clear prismatic plastic optics below each  
Mounting: VBU

Lamp



#### Summary of Results

Radiant Flux:	1833 mW
Luminous Flux:	592.1 Lumens
Lamp Efficacy:	72.3 Lumens/Watt
CCT:	3938 K
CRI (Ra):	80.6
Chromaticity (x):	0.3833
Chromaticity (y):	0.3791
Chromaticity (u):	0.2260
Chromaticity (v):	0.3354
Duv:	0.0002

#### Test Conditions

Test Temperature:	24.5 °C
Voltage:	120.0 VAC
Current:	0.1396 A
Power:	8.194 W
Power Factor:	0.489
Frequency:	60 Hz
Current THD:	164 %

Testing was performed in a Labsphere SLMS7650 two meter integrating sphere using the  $4\pi$  geometry method, a Labsphere CDS 1100 spectrometer, and LightMtrX software.  
Absorption correction was employed for this measurement.

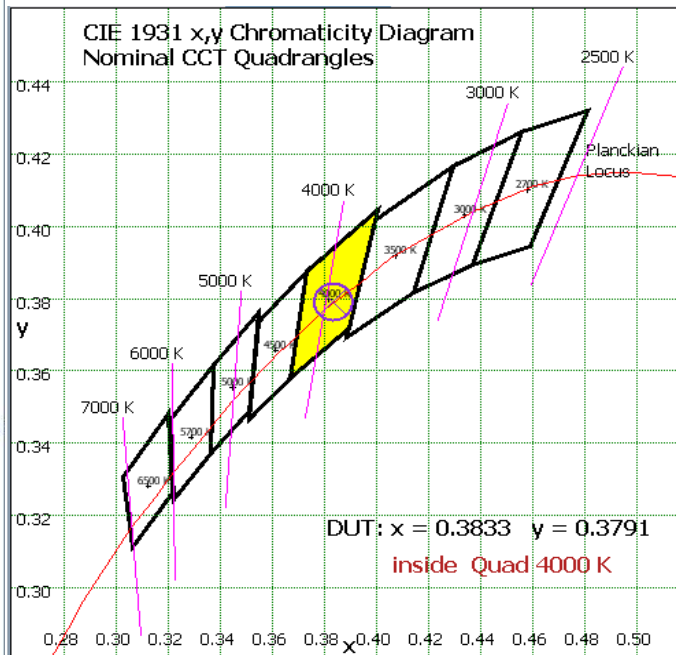
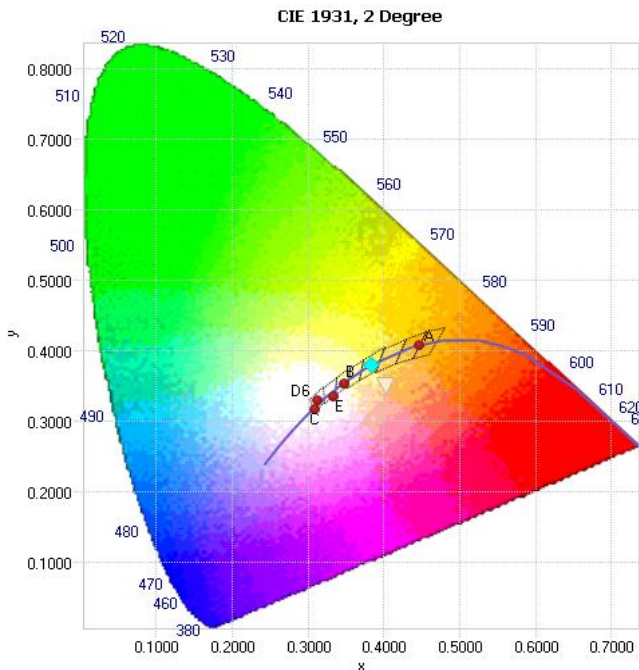


Chromaticity Coordinates

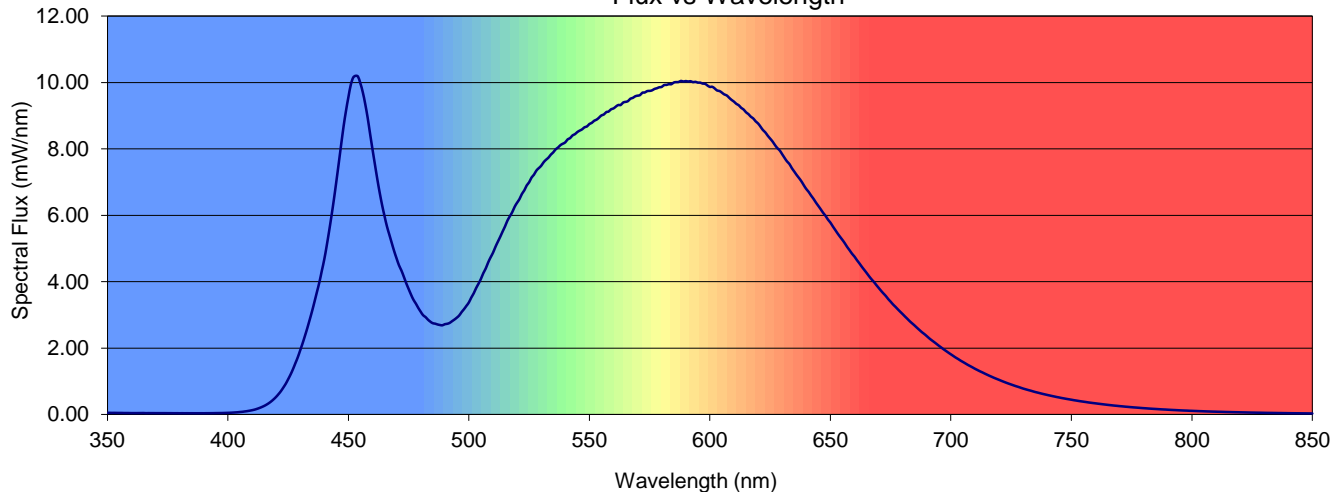
x	y	u	v	u'	v'	Duv
0.3833	0.3791	0.2260	0.3354	0.2260	0.5030	0.0002

Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
80.6	78.9	86.6	90.8	78.4	77.7	79.7	86.9	65.8	10.6	66.0	74.1	53.8	80.6	94.5



Flux vs Wavelength





Spectral Power Distribution

Table with 16 columns (λ(nm), mW/nm) and 48 rows of spectral data.