

Project Number  
16.03147



Date  
11/9/2016

Sphere

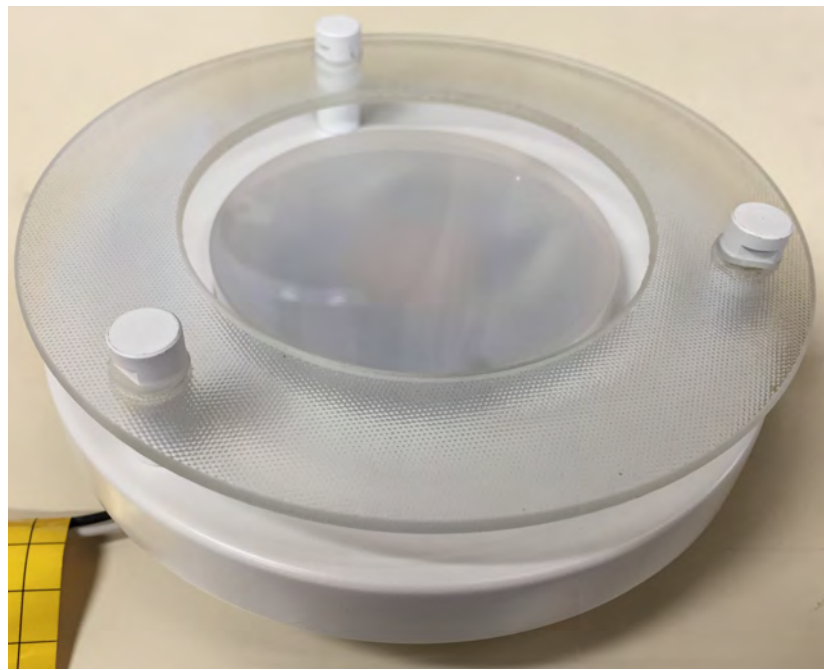
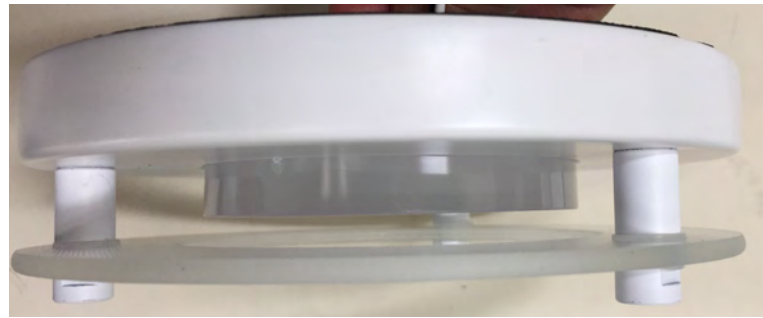
### Test Sample Description

**Catalog Number:** P8247-28-30K  
**Description:** P8247 - 5" Drop Glass Round LED surface mount luminaire. Painted white with a polycarbonate diffuser and a decorative glass ring.

**Test Method:** IES LM-79-08 § 9.1 & 12.1

**Preburn Time:** 13:00  
**Time To Stabilize:** 1:20  
**Total Operating Time:** 14:20

**Input Voltage (Volts):** 120.0  
**Input Current (Amps):** 0.089  
**Input Wattage (Watts):** 10.5  
**Ambient Temp (°C):** 24.0



### Hubbell Lighting, Inc.

701 Millennium Boulevard  
Greenville, SC 29607  
www.hubbellighting.com

Checked: B. LEE

Approved: D. BLACK



This report shall not be used to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government.

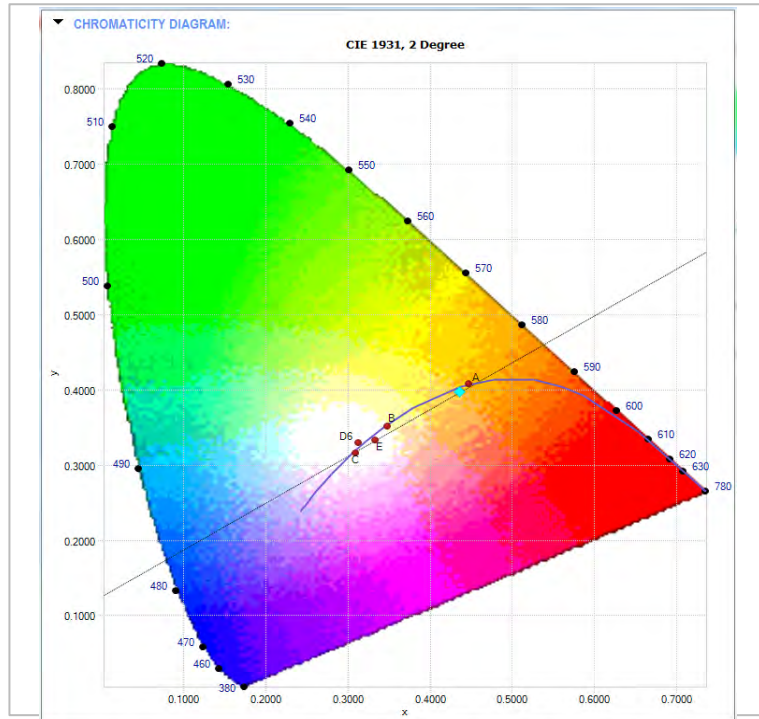


Lamp Cat#: NF2L757DRT-V1  
 Lamp Desc: 20 - Nichia 3000K LEDs  
 Driver Desc: N/A

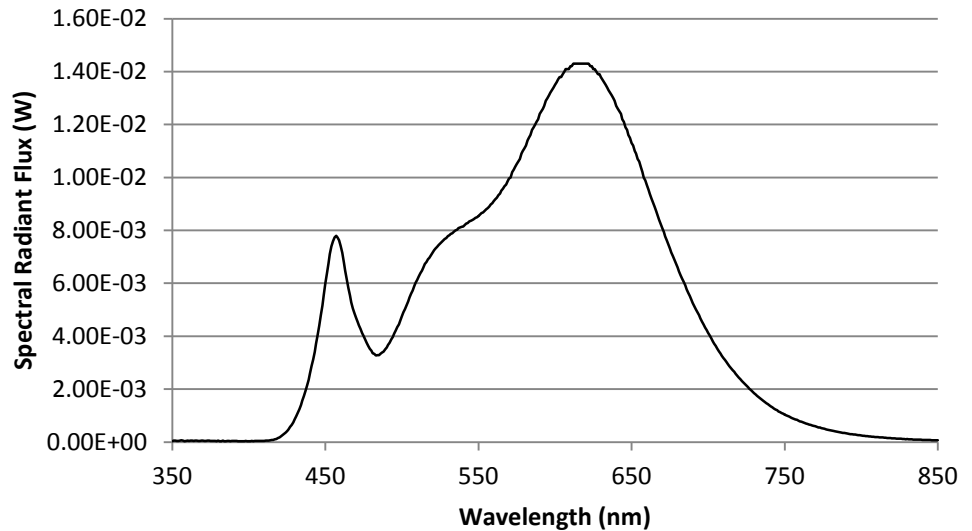
Efficacy: 66.3 LPW      S/P Ratio: 1.4 LM/LM

**Spectral Results**

Name	Value	Unit
$\Phi$	2.41	watts
$\Phi(v)$	696	lumens
$\Phi(v')$	992	lm'
Chrom x	0.436	
Chrom y	0.3971	
Chrom u	0.253	
Chrom v	0.3456	
Duv	0.0029	
Chrom u'	0.253	
Chrom v'	0.5185	
CCT	2956	K
Purity	50.1	%
$\lambda$ (dom)	584.0	nm
FWHM	155.9	nm
$\lambda$ (peak)	614.8	nm
$\lambda$ (center)	598.0	nm
$\lambda$ (centroid)	592.5	nm
SDCM	Cool White	
RA	93	
Corr. Coef.	0.002680748	
Correlation	0.0054	
R1	94.2	
R2	98.1	
R3	97.6	
R4	92.9	
R5	94.1	
R6	96.0	
R7	89.6	
R8	79.4	
R9	56.0	
R10	94.6	
R11	94.5	
R12	82.1	
R13	95.8	
R14	99.5	



**Spectral Distribution of Radiant Flux**



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### *Sphere Calibration*

*Calibration Lamp:* EIKO 28V75W/E10

*Lamp Number:* SCL-1400-J136

*Calibration Current:* 2.679 Amps

*Total Luminous Flux:* 1427 Lumens

### *Test Equipment Used*

<i>Instrument</i>	<i>Manufacturer / Model</i>	<i>S/N</i>	<i>Calibration Due:</i>
<i>3-Meter Sphere</i>	Labsphere / LMS-3M	N/A	Calibrated Weekly
<i>Temperature Meter</i>	National Instruments / USB TC01	1912751	11/2/2017
<i>LAMP Power Meter</i>	Yokogawa / WT332	C2QA27075V	11/1/2017
<i>Power Supply</i>	Chroma / 61602	616020002113	N/A
<i>Aux Lamp Supply</i>	Labsphere / LPS-100-0833	0331159372	10/31/2017
<i>Cal Lamp Supply</i>	Labsphere / LPS-150-0268	1218148505	10/4/2017
<i>Spectrometer</i>	Labsphere / CDS 1100	0624117792	N/A

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