

Project Number
20.00137



HUBBELL
Lighting

Date
2/11/2020

Photometric Test Report

Sphere

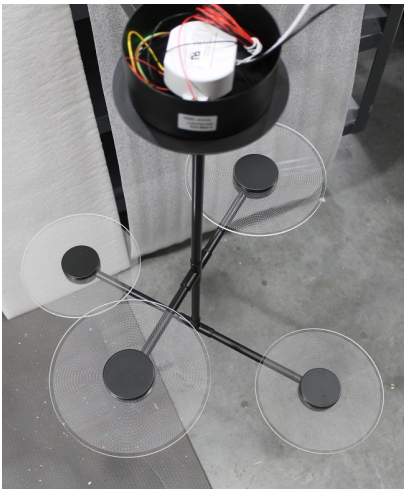
Test Sample Description

Catalog Number: P400255-031-30
Description: 4-LT LED Edge Lit Chandelier

Test Methods: IES LM-16-93
IES LM-79-08 § 9.1 & 12.1

Preburn Time: 1:30
Time To Stabilize: 1:38
Total Operating Time: 3:31

Input Voltage (Volts): 120.0
Input Current (Amps): 0.169
Input Wattage (Watts): 19.8
Ambient Temp (°C): 24



Hubbell Lighting, Inc.

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

Checked: M. ELLMANN

Approved: L. GENNETTEN



* This customer-provided information was not verified by the laboratory and could affect the validity of the test results.

Note that the LED manufacturer and part number are unverifiable by the lab.

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Lamp Cat#: STW9A12D-E1

Lamp Desc: 120 - LUMENS 3000K LEDs

Driver Desc: 1 - Becky BQE20-0500-40-TD

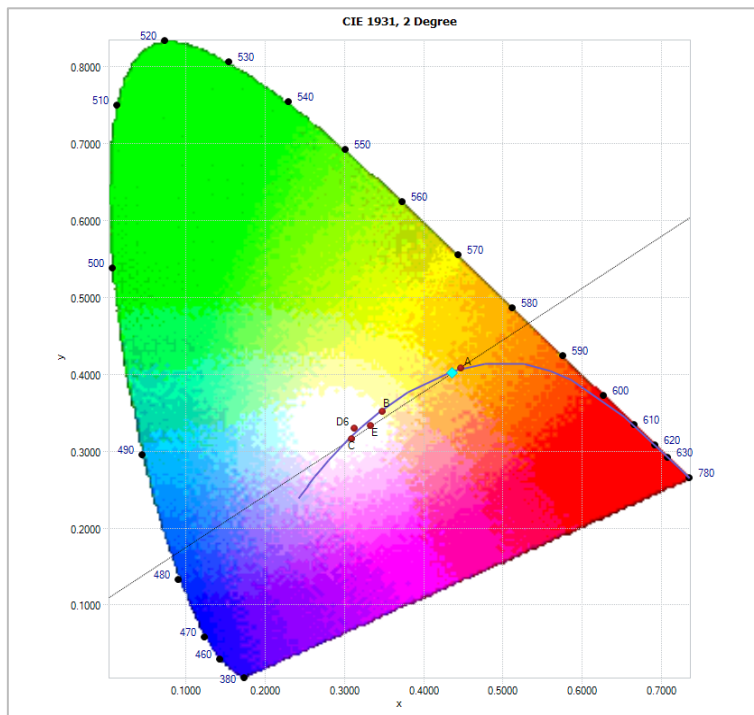
Programmed to 500mA

Efficacy: 104.5 LPW

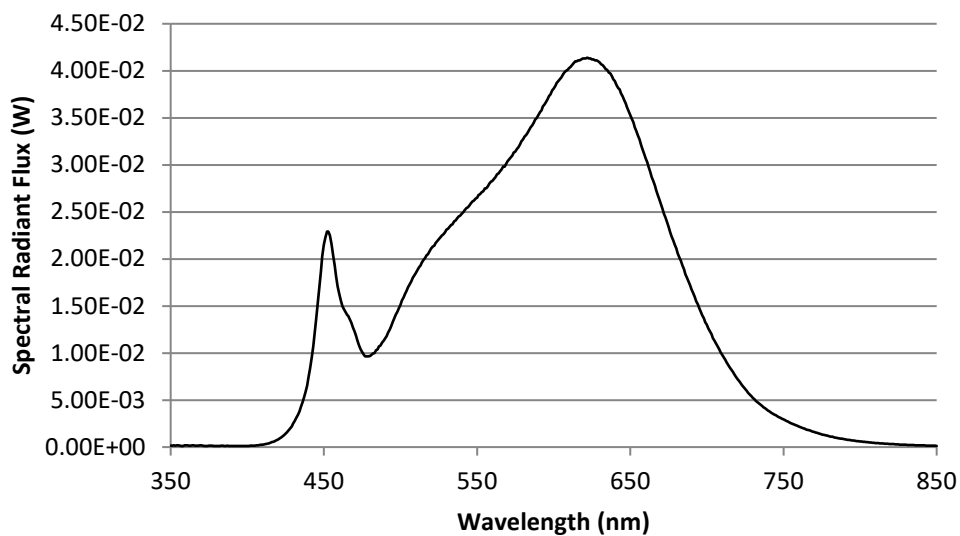
S/P Ratio: 1.4 LM'/LM

Spectral Results

Name	Value	Unit
Φ	7.18	watts
$\Phi(v)$	2070	lumens
$\Phi(v')$	2948	lm'
Chrom x	0.4357	
Chrom y	0.4022	
Chrom u	0.2505	
Chrom v	0.347	
Duv	0.0007	
Chrom u'	0.2505	
Chrom v'	0.5205	
CCT	3004	K
Purity	51.5	%
λ (dom)	583.0	nm
FWHM	162.4	nm
λ (peak)	621.9	nm
λ (center)	599.7	nm
λ (centroid)	593.1	nm
SDCM	Cool White	
RA	93	
Corr. Coef.	0.000597374	
Correlation	0.0054	
R1	93.7	
R2	96.8	
R3	98.0	
R4	93.3	
R5	93.2	
R6	95.6	
R7	92.5	
R8	83.3	
R9	62.5	
R10	91.3	
R11	94.0	
R12	80.5	
R13	94.7	
R14	98.3	



Spectral Distribution of Radiant Flux



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Sphere Calibration

Calibration Lamp: EIKO 28V75W/E10

Lamp Number: SCL-1400-K136

Calibration Current: 2.679 Amps

Total Luminous Flux: 1429 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	Checked Daily
<i>Thermometer</i>	National Instruments / USB TC01	1912751	10/31/2020
<i>Power Analyzer</i>	Yokogawa / WT332	C2QA27075V	10/31/2020
<i>Power Supply</i>	Chroma / 61602	616020002113	N/A
<i>Aux Lamp Supply</i>	GW Instek / PSU 150-10	GER221028	N/A
<i>Cal Lamp Supply</i>	Labsphere / LPS-150-0268	1218148505	N/A
<i>Spectrometer</i>	Labsphere / CDS 1100	0624117792	N/A

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