



UL LLC  
1075 W Lambert Rd Suite B  
Brea, CA 92821

## Integrating Sphere Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-10-2014, CIE 13.3-1995  
CIE 15-2004, ANSI C78.377-2017, IES TM-30-2018

**Prepared For**  
**B-K Lighting INC**

Daniel Carrejo  
40429 Brickyard Dr.  
Madera, CA 93636  
United States

**Catalog Number**  
**RI-LED-TR-E134-NSP-WHP-9-C-INC-MT-PROTO-(2700K)**

Order Number  
13742921  
Test Number  
13742921.09

Test Date

2021-04-05

Prepared By

Austin Duff, Technician

Approved By

Eric Gaudreau, Engineering Leader

The results contained in this report pertain only to the tested sample.  
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**Luminaire Description:** White formed metal housing and clear glass lens  
**Lamp:** One (1) White LED with optic attached  
**Mounting:** Pole/Arm  
**Ballast/Driver:** One (1) PowerSelect PS60U100C14R

**Luminaire**



**Summary of Results**

Radiant Flux:	2331 mW
Luminous Flux:	676.8 lm
Luminaire Efficacy:	50.8 lm/W
CCT:	2859 K
CRI (Ra):	90.1
Chromaticity (x):	0.4504
Chromaticity (y):	0.4137
Chromaticity (u):	0.2551
Chromaticity (v):	0.3514
Duv:	0.0015

**Test Conditions**

Test Temperature:	25.4 °C
Voltage:	120.1 VAC
Current:	0.1130 A
Power:	13.33 W
Power Factor:	0.982
Frequency:	60 Hz
Current THD:	13.2 %

Absorption correction was employed for this measurement.



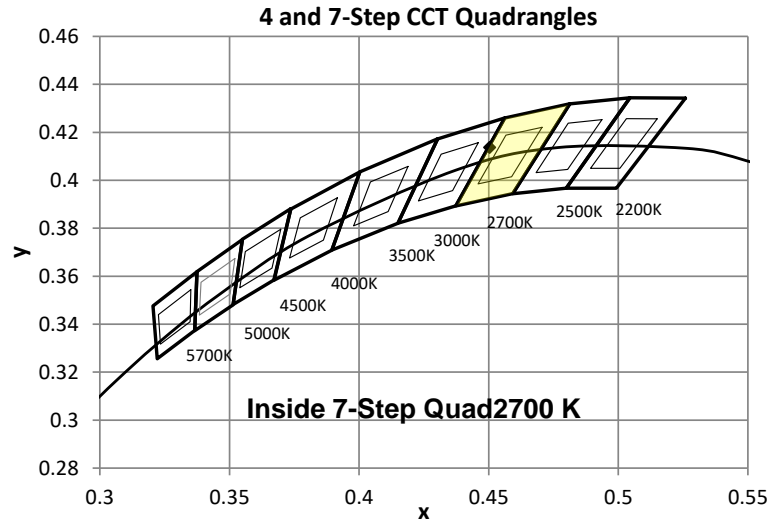
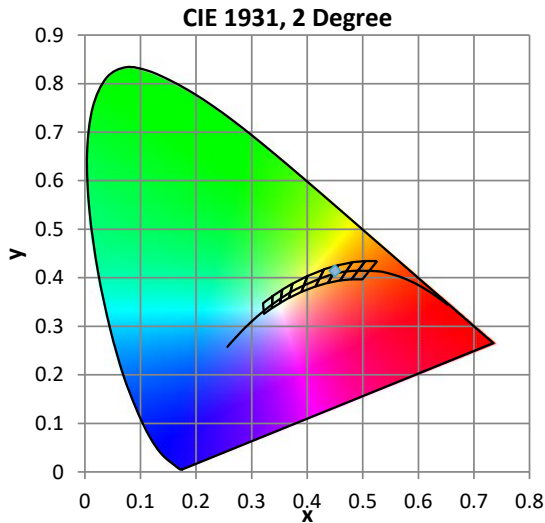
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.4 °C	120.1 VAC	0.1130 A	13.33 W	0.982	60 Hz	13.2 %

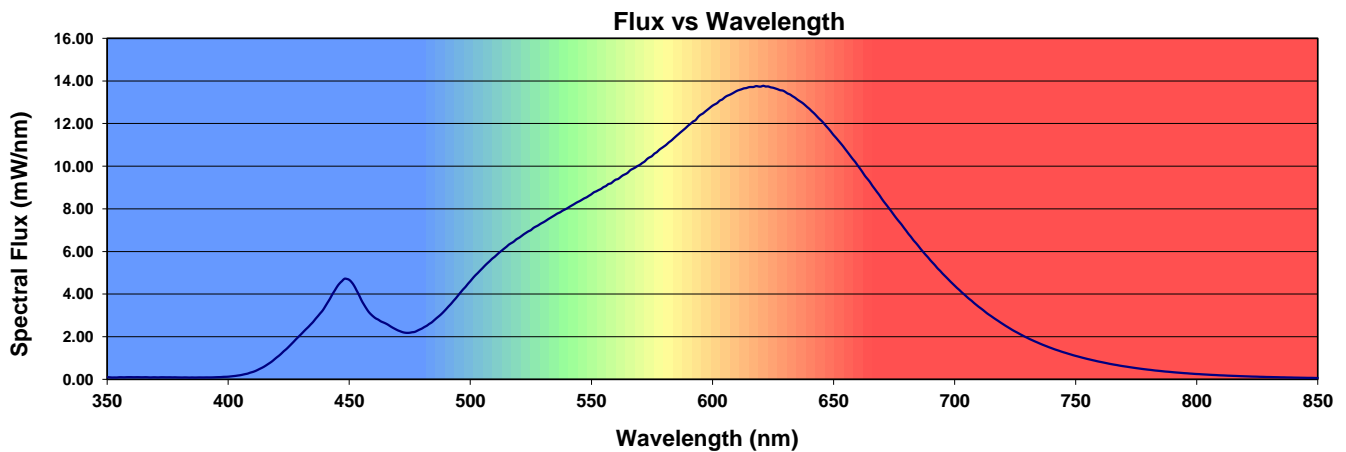
### Summary of Results

<b>Total Output:</b>	677 Lumens	<b>Chromaticity (x):</b>	0.4504
<b>Efficacy:</b>	50.8 lm/w	<b>Chromaticity (y):</b>	0.4137
<b>CCT:</b>	2859 K	<b>Chromaticity (u'):</b>	0.2551
<b>CRI (Ra):</b>	90.1	<b>Chromaticity (v'):</b>	0.5271
<b>CRI (R9):</b>	49.9	<b>TM-30 Rf:</b>	91
<b>Peak Wavelength:</b>	621 nm	<b>TM-30 Rg:</b>	100
<b>Dominant Wavelength:</b>	583 nm	<b>TM-30 Rcs,h1:</b>	-6%
<b>S/P Ratio:</b>	1.3	<b>Duv:</b>	0.0021
<b>M/P Ratio:</b>	0.48	WELL Building Standard v2	



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
90.1	89.7	93.0	95.6	91.3	89.2	91.8	91.9	78.6	49.9	83.3	91.9	81.0	90.2	96.8	85.0



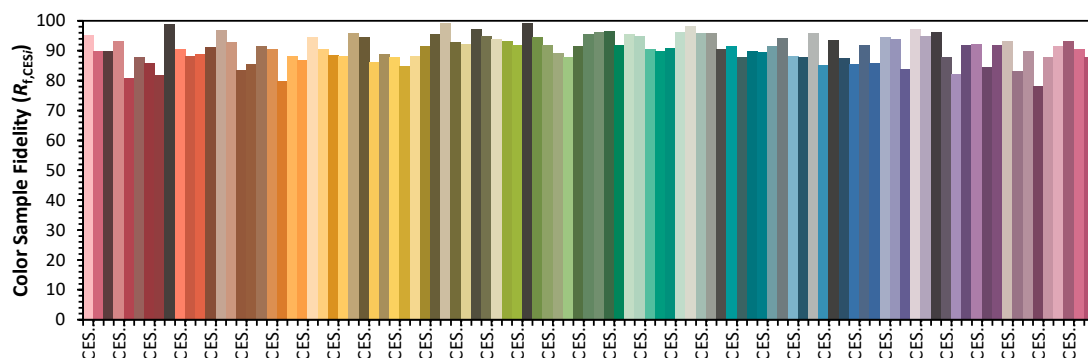
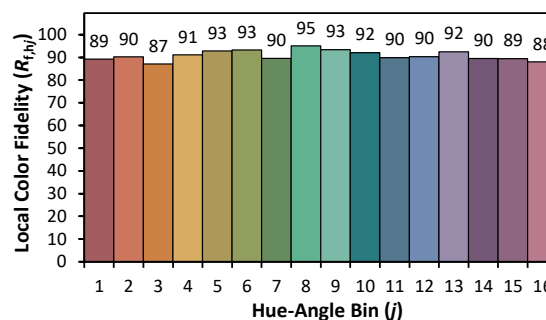
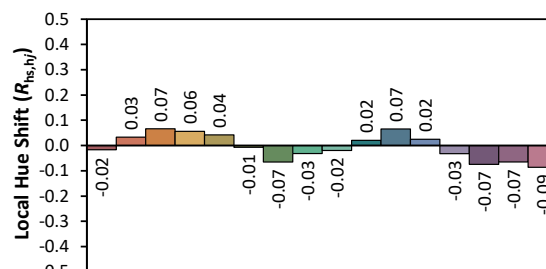
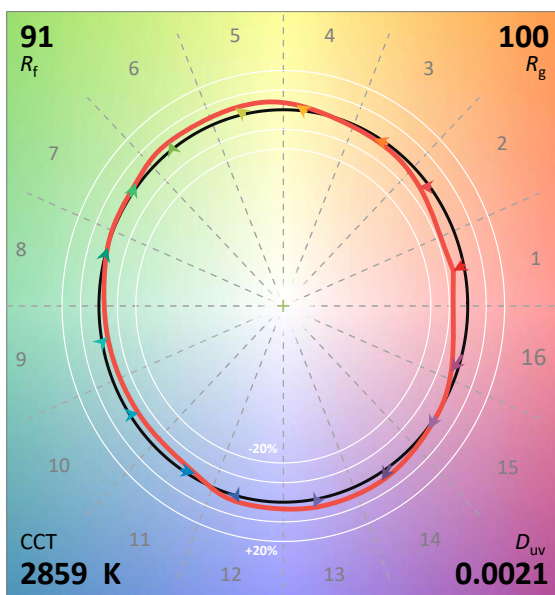
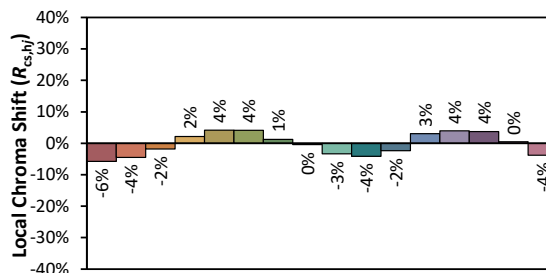
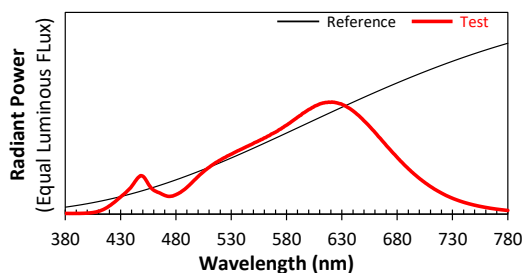
# ANSI/IES TM-30-18 Color Rendition Report

Source: Test Number: 13742921.09

Manufacturer: B-K Lighting INC

Date: 2021-04-05

Model: RI-LED-TR-E134-NSP-WHP-9-C-INC-M



Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x 0.4504

y 0.4137

u' 0.2551

v' 0.5271

CIE 13.3-1995  
(CRI)

R<sub>a</sub> 90

R<sub>g</sub> 50

Colors are for visual orientation purposes only. Created with the IES TM-30-18 Calculator Version 2.00.