



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

Photometric Test Report

Relevant Standards
IES LM-79-2008, ANSI C82.77-10-2014, UL 1598-2008
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 - 2021-04-13

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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Laboratory results may not be representative of field performance
Ballast factors have not been applied

Absorption correction was employed for Sphere measurement



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

Integrating Sphere

Luminous Flux: 676.8 Lumens
Efficacy: 50.78 lm/w
CCT: 2859 K
CRI (Ra): 90.1

Electrical Data at 120 VAC

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 %

In-Situ

LED Temperature: 74.6 °C
Driver Temperature: 47.7 °C

Temperature is offset to an ambient temperature of 25°C as described in UL1598-2008.



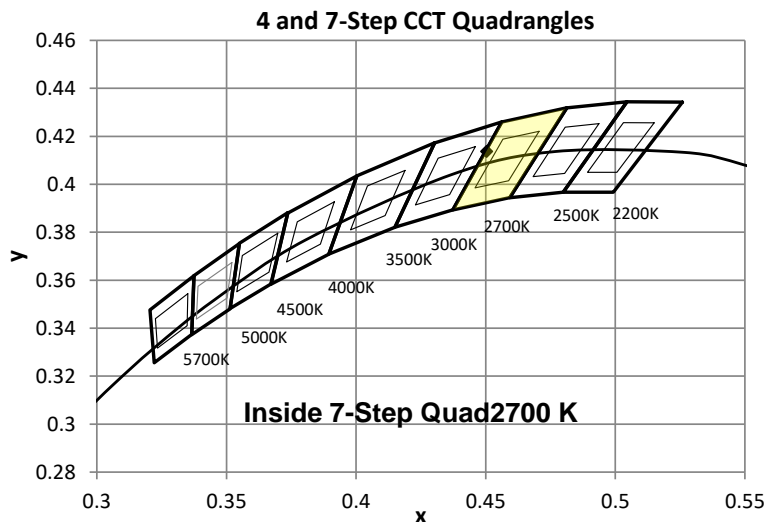
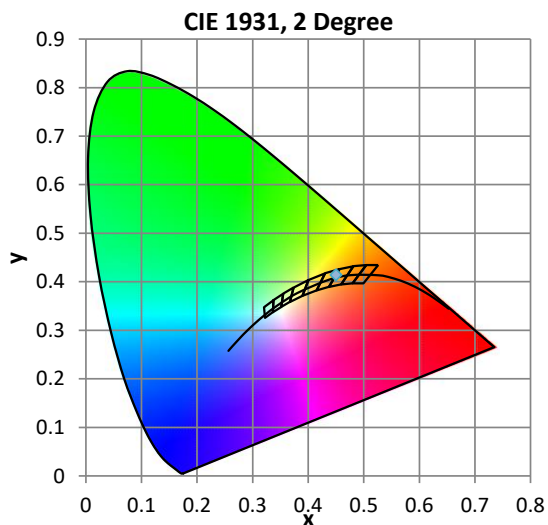
Color Quality - Integrating Sphere

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 %

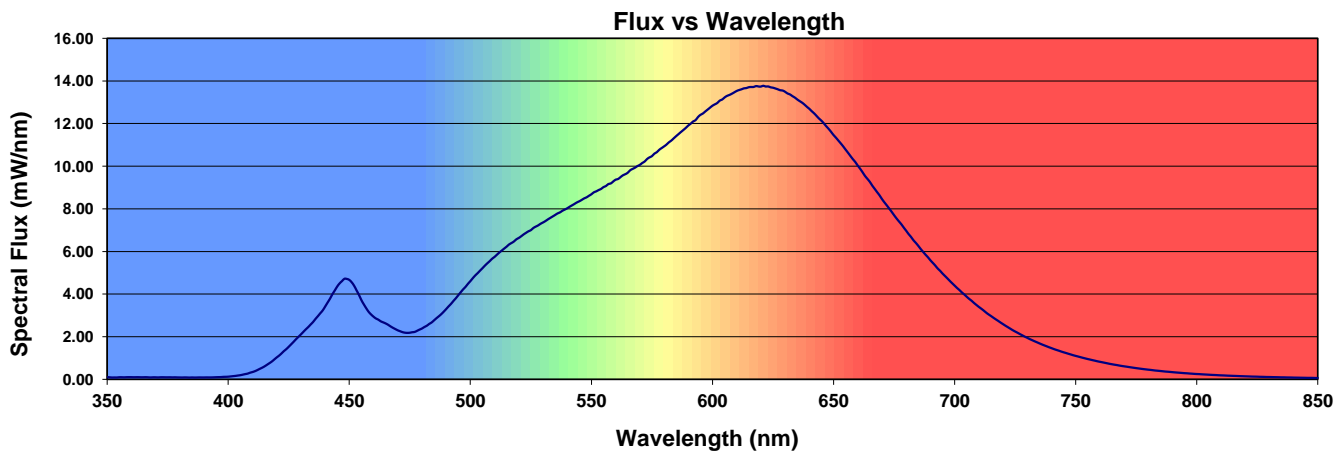
Summary of Results

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





In-Situ Test

In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
21.0 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature: 74.6 °C

Driver Temperature: 47.7 °C

Temperatures are offset to an ambient temperature of 25°C as described in UL1598-2008

LED Temperature Location



Thermocouple Reference



Driver Temperature Location



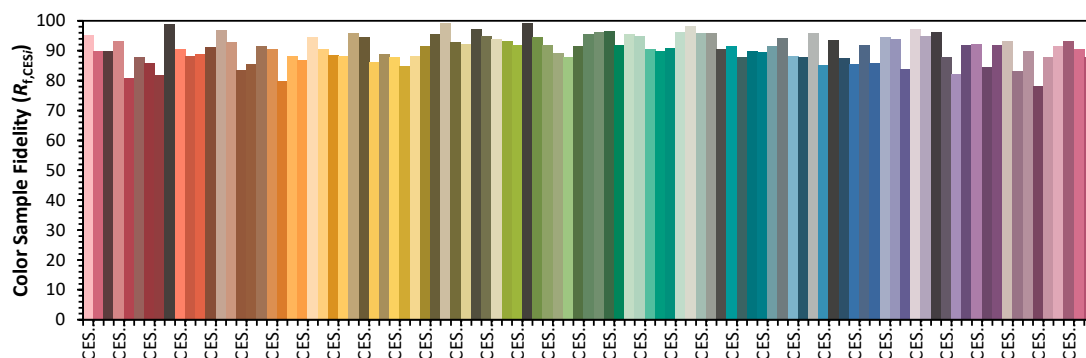
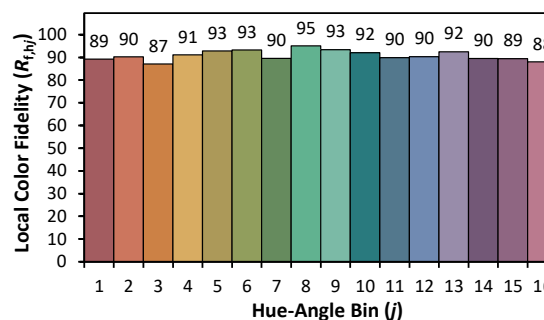
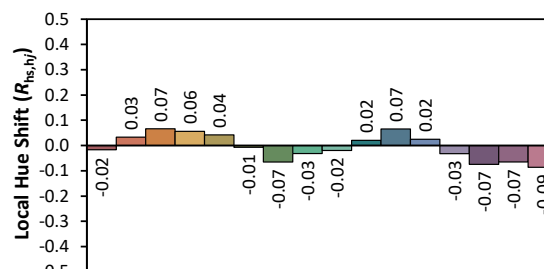
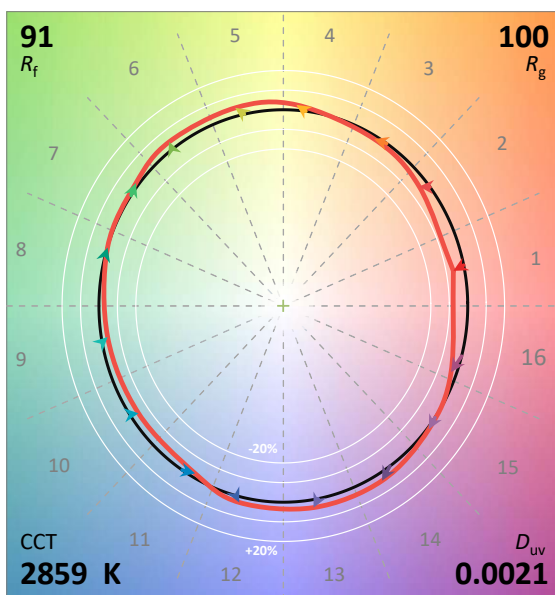
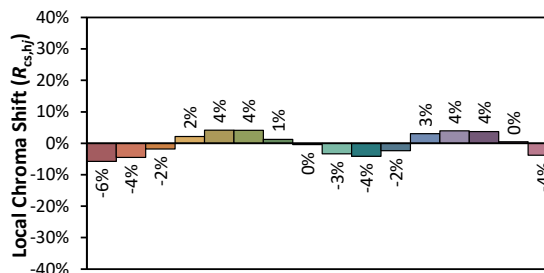
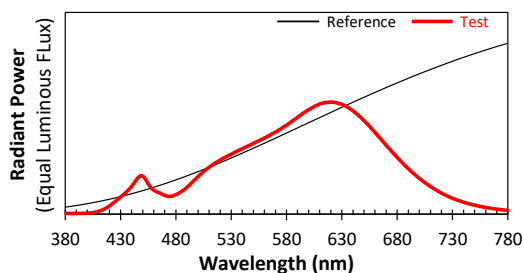
ANSI/IES TM-30-18 Color Rendition Report

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_a 90

R_g 50

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