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## Photometric Test Report

Relevant Standards  
IES LM-79-2008, ANSI C82.77-2002, UL 1598-2008  
CIE 13.3-1995, CIE 15-2004, ANSI C78.377-2015  
IES TM-30-2015

**Prepared For**  
**Brightline**  
Bldg 7  
580 Mayer St  
Bridgeville, PA 15017  
United States

**Catalog Number**  
**LST6XX-FW-XX-XX**  
Order Number  
11969789  
Test Number  
11969789.05

Test Date

2017-11-02 - 2017-11-03

Prepared By

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Approved By

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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

Testing was performed in a 2-meter integrating sphere using the  $4\pi$  geometry method.  
Absorption correction was employed for Sphere measurement



**Luminaire Description:** White formed steel and aluminum housing, frosted plastic lens enclosure  
**Lamp:** 288 white LEDs  
**Mounting:** Recessed  
**Ballast/Driver:** One Philips XI075C200V054BPT1 driver

**Luminaire**



## Summary of Results

### Integrating Sphere

Luminous Flux: 3384 Lumens  
Efficacy: 44.6 lm/w  
CCT: 3311 K  
CRI (Ra): 92.1

### Electrical Data at 277 VAC

Test Temperature: 25.2 °C  
Voltage: 277.0 VAC  
Current: 0.2730 A  
Power: 74.26 W  
Power Factor: 0.983  
Frequency: 60 Hz  
Current THD: 9.36 %

### In-Situ

LED Temperature: 50.3 °C  
Driver Temperature: 67.4 °C  
Measured LED Current: 0.08190 A

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



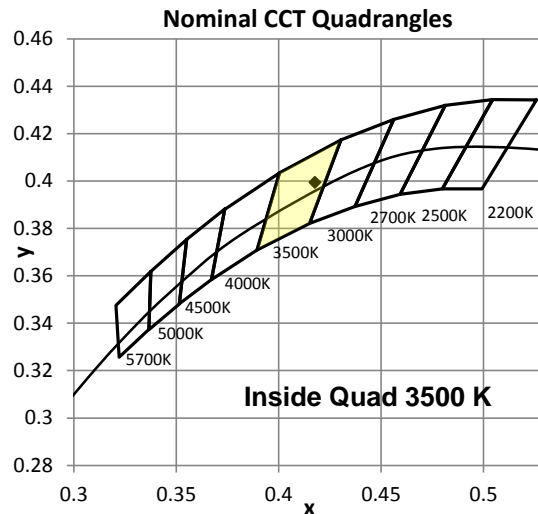
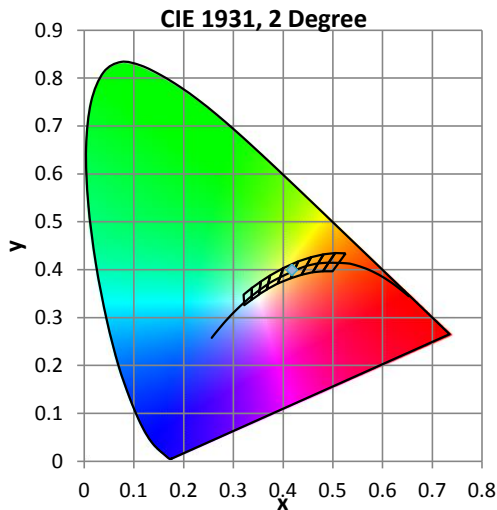
## Color Quality - Integrating Sphere

### Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.1 °C	120.0 VAC	0.6331 A	75.79 W	0.997	60 Hz	4.62 %

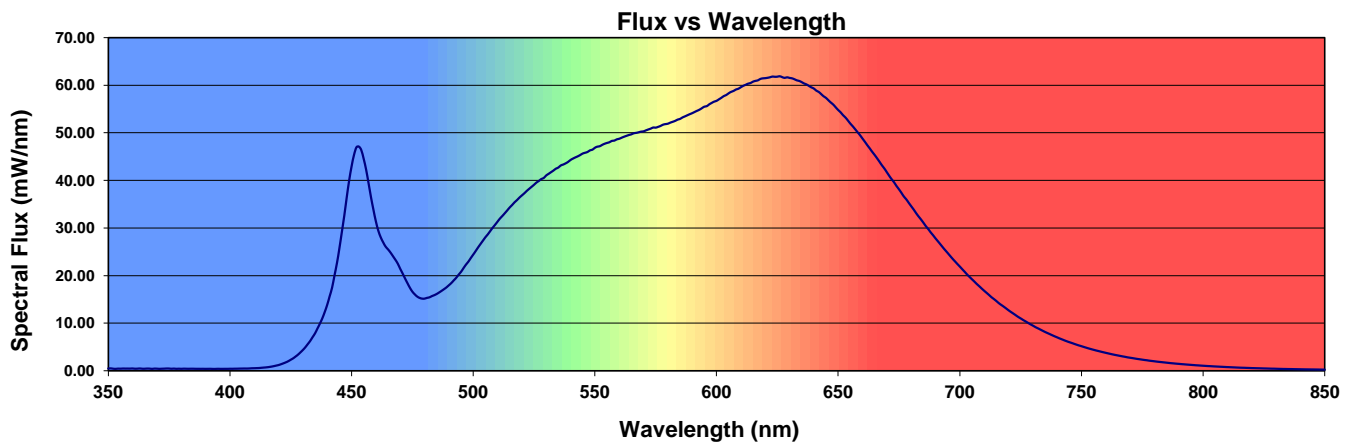
### Summary of Results

<b>Total Output:</b>	3384 Lumens	<b>Chromaticity (x):</b>	0.4177
<b>Efficacy:</b>	44.6 lm/w	<b>Chromaticity (y):</b>	0.3994
<b>CCT:</b>	3311 K	<b>Chromaticity (u'):</b>	0.2401
<b>CRI (Ra):</b>	92.1	<b>Chromaticity (v'):</b>	0.5167
<b>CRI (R9):</b>	67.4	<b>TM-30 Rf:</b>	89.5
<b>Peak Wavelength:</b>	625.4 nm	<b>TM-30 Rg:</b>	99.5
<b>Dominant Wavelength:</b>	581.1 nm	<b>Duv:</b>	0.0012
<b>S/P Ratio:</b>	1.508		



### Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
92.1	92.4	94.1	93.5	92.4	90.9	90.8	95.4	87.1	67.4	84.2	91.4	70.2	92.7	95.6





## In-Situ Test

### In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
22.4 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

### Summary of Results

LED Temperature: 50.3 °C  
Driver Temperature: 67.4 °C  
Measured LED Current: 0.08190 A

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

LED Temperature Location



Thermocouple Reference



Driver Temperature Location

