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Photometric 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

H E Williams Inc

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Carthage, MO 64836-0837
United States

Catalog Number

MX2RXX-8'00-L8/835-F-XX-DIM-UNV

Order Number

13012869

Test Number

13012869.05

Test Date

2019-09-04

Prepared By

Derek Smarr, Technician

Approved By

Alexa Lambert, Project Handler

The results contained in this report pertain only to the tested sample.

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Table of Contents

| | |
|----------------------------|--------|
| Summary of Results | Page 3 |
| Integrating Sphere Results | Page 4 |

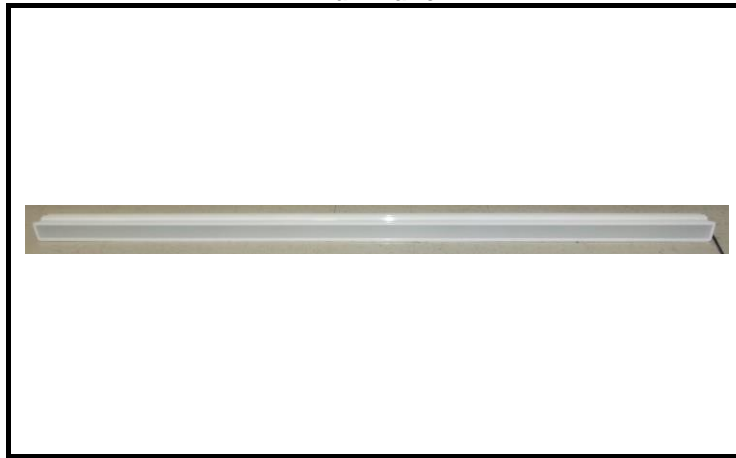
Laboratory results may not be representative of field performance
Ballast factors have not been applied

Testing was performed in a 3-meter integrating sphere using the 4π geometry method.
Absorption correction was employed for Sphere measurement



Luminaire Description: Formed White aluminum housing,frosted plastic lens
Lamp: 288 White LEDs
Mounting: Pendant
Ballast/Driver: One Philips Advance XI040C110V054BST1 Driver

Luminaire



Summary of Results

Integrating Sphere

Luminous Flux: 6827 Lumens
Efficacy: 126.88 lm/w
CCT: 3453 K
CRI (Ra): 82.5

Electrical Data at 277 VAC

Test Temperature: 25.0 °C
Voltage: 277.0 VAC
Current: 0.2051 A
Power: 54.38 W
Power Factor: 0.957
Frequency: 60 Hz
Current THD: 10.5 %



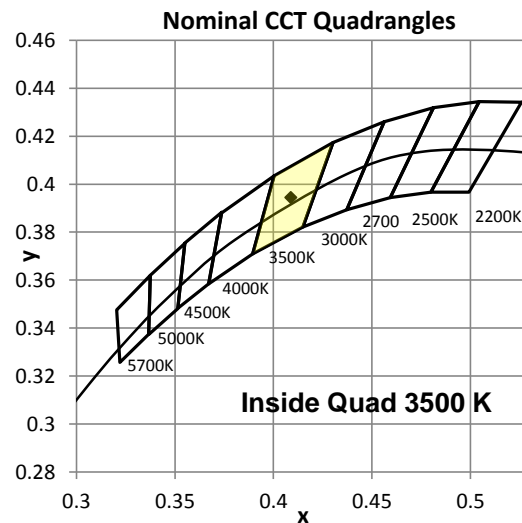
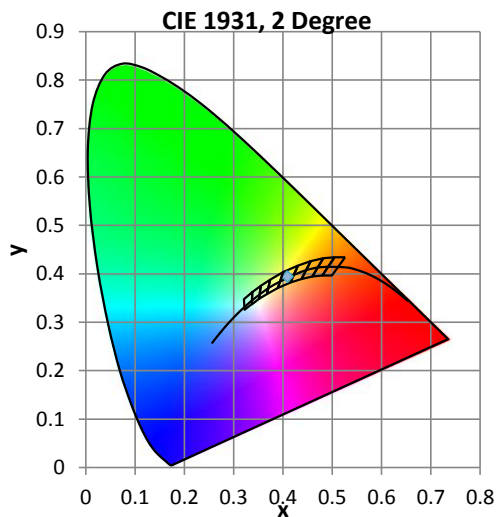
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

| Temperature | Voltage | Current | Power | Power Factor | Frequency | Current THD |
|-------------|-----------|----------|---------|--------------|-----------|-------------|
| 25.1 °C | 120.0 VAC | 0.4511 A | 53.81 W | 0.994 | 60 Hz | 9.32 % |

Summary of Results

| | | | |
|-----------------------------|-------------|---------------------------|--------|
| Total Output: | 6827 Lumens | Chromaticity (x): | 0.4088 |
| Efficacy: | 126.9 lm/w | Chromaticity (y): | 0.3944 |
| CCT: | 3453 K | Chromaticity (u'): | 0.2364 |
| CRI (Ra): | 82.5 | Chromaticity (v'): | 0.5133 |
| CRI (R9): | 5.1 | TM-30 Rf: | 84.4 |
| Peak Wavelength: | 598 nm | TM-30 Rg: | 95 |
| Dominant Wavelength: | 581 nm | Duv: | 0.0006 |
| S/P Ratio: | 1.51 | | |



Color Rendering Index Detail

| Ra (CRI) | R1 | R2 | R3 | R4 | R5 | R6 | R7 | R8 | R9 | R10 | R11 | R12 | R13 | R14 | R15 |
|----------|------|------|------|------|------|------|------|------|-----|------|------|------|------|------|------|
| 82.5 | 80.7 | 89.8 | 96.3 | 80.9 | 80.8 | 86.7 | 84.3 | 60.8 | 5.1 | 76.3 | 80.1 | 64.9 | 82.9 | 98.3 | 73.5 |

