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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

H E Williams Inc

831 W Fairview Ave
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United States

Catalog Number

MX2RXX-4'00-L8/840-F-XX-DIM-UNV

Order Number

13012869

Test Number

13012869.04

Test Date

2019-09-05

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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Luminaire Description: Formed White aluminum housing,frosted plastic lens
Lamp: 144 White LEDs
Mounting: Recessed
Ballast/Driver: One Philips Advance XI040C110V054BST1 Driver

Luminaire



Summary of Results

Radiant Flux:	10380 mW
Luminous Flux:	3423 lm
Luminaire Efficacy:	127.3 lm/W
CCT:	4005 K
CRI (Ra):	83.4
Chromaticity (x):	0.3800
Chromaticity (y):	0.3762
Chromaticity (u):	0.2251
Chromaticity (v):	0.3342
Duv:	-0.0009

Test Conditions

Test Temperature:	25.0 °C
Voltage:	120.1 VAC
Current:	0.2255 A
Power:	26.89 W
Power Factor:	0.994
Frequency:	60 Hz
Current THD:	9.39 %

Testing was performed in a 2-meter integrating sphere using the 4 π geometry method.
Absorption correction was employed for this measurement.



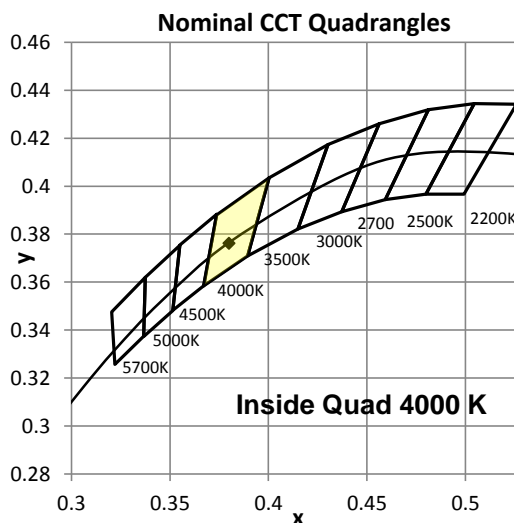
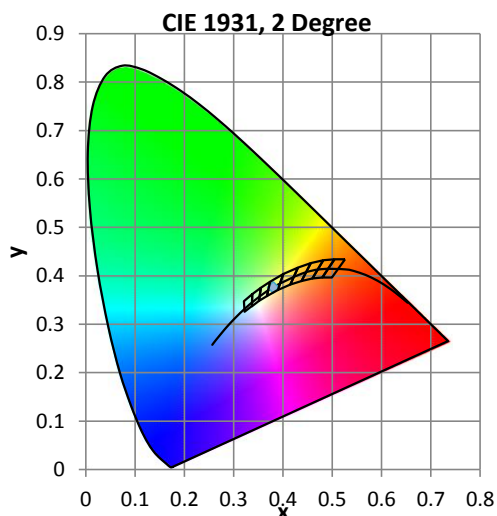
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.0 °C	120.1 VAC	0.2255 A	26.89 W	0.994	60 Hz	9.39 %

Summary of Results

Total Output:	3423 Lumens	Chromaticity (x):	0.3800
Efficacy:	127.3 lm/w	Chromaticity (y):	0.3762
CCT:	4005 K	Chromaticity (u'):	0.2251
CRI (Ra):	83.4	Chromaticity (v'):	0.5013
CRI (R9):	6.8	TM-30 Rf:	84.1
Peak Wavelength:	452 nm	TM-30 Rg:	94.9
Dominant Wavelength:	579 nm	Duv:	-0.0009
S/P Ratio:	1.71		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
83.4	81.9	90.6	95.8	81.8	82.1	86.7	85.1	63.3	6.8	77.6	81.3	62.7	84.3	98.2	75.1

