UL Verification Services Inc.
7036 Snowdrift Road
Allentown, PA 18106
610-774-1300

ACCREDITED Testing Laboratory

NVLAP LAB CODE 201042-0

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
PO Box 837
Carthage, MO 64836-0837
United States

Catalog Number

GH-2-L80-850-FP-[ALL OPTIONS, EXCLUDING UP & WG11 OPTIONS]-DIM-UNV

Order Number
13459129
Test Number
13459129.10

Test Date

2020-09-23

Prepared By

Jesse Litchfield, Technician

Approved By

Kevin Rodriguez, Project Handler

The results contained in this report pertain only to the tested sample.
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This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

Luminaire Description: Formed aluminum housing, frosted plastic lens enclosure
Lamp: 168 white LEDS
Mounting: Pendant
Ballast/Driver: One Everline D15CC55UNVPW-C Driver

Luminaire

Summary of Results	
Radiant Flux:	24960 mW
Luminous Flux:	7896 lm
Luminaire Efficacy:	139.5 lm/W
CCT:	5117 K
CRI (Ra):	84.2
Chromaticity (x):	0.3419
Chromaticity (y):	0.3506
Chromaticity (u):	0.2097
Chromaticity (v):	0.3225
Duv:	0.0002

Test Conditions		
Test Temperature:	25.6	°C
Voltage:	120.1	VAC
Current:	0.4732	A
Power:	56.61	W
Power Factor:	0.996	
Frequency:	60	Hz
Current THD:	6.51	%

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

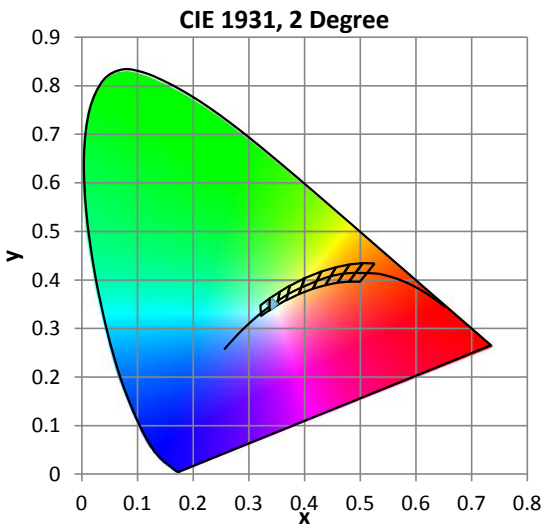
Color Quality - Integrating Sphere

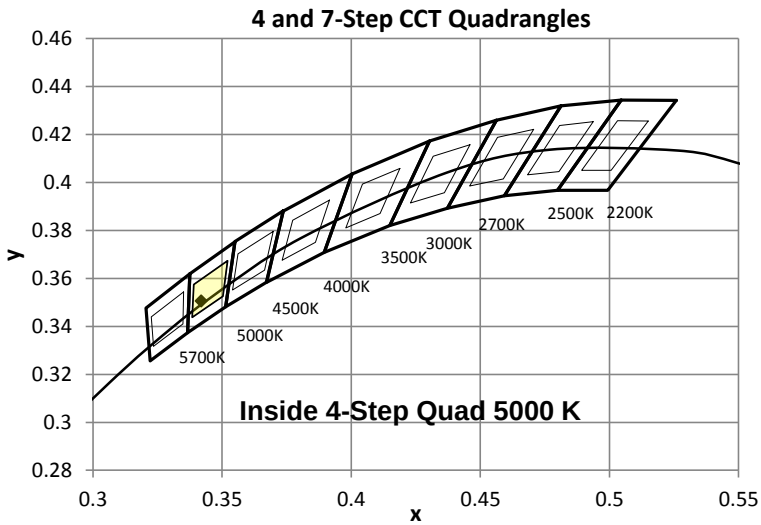
Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
25.6 °C	120.1 VAC	0.4732 A	56.61 W	0.996	60 Hz	6.51 %

Summary of Results

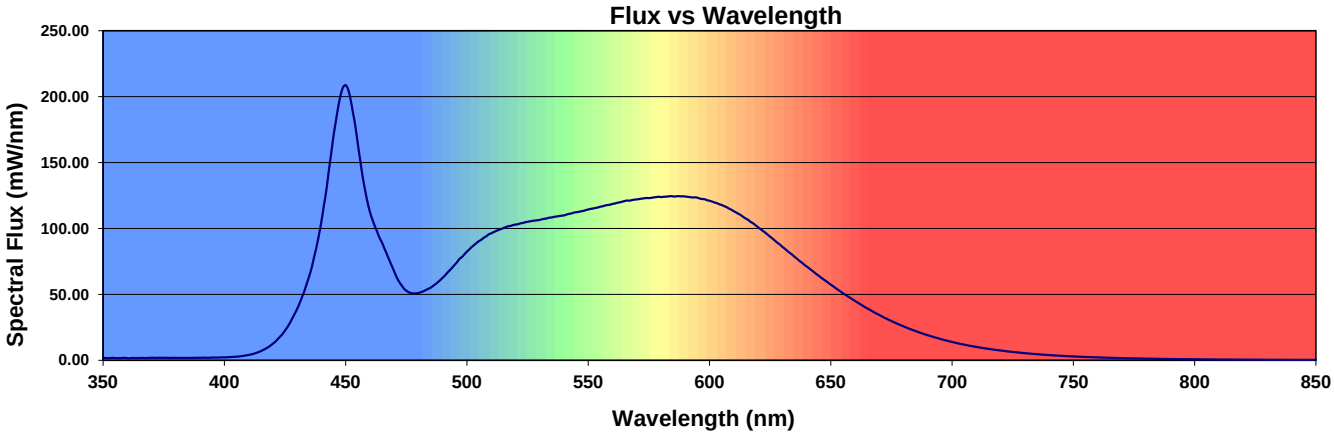
Total Output:	7896	Lumens	**Chromaticity (x):**	0.3419
Efficacy:	139.5	lm/w	**Chromaticity (y):**	0.3506
CCT:	5117	K	**Chromaticity (u'):**	0.2097
CRI (Ra):	84.2		**Chromaticity (v'):**	0.4837
CRI (R9):	10.9		**TM-30 Rf:**	85
Peak Wavelength:	450	nm	**TM-30 Rg:**	97
Dominant Wavelength:	570	nm	**TM-30 Rcs,h1:**	-12%
S/P Ratio:	1.99		**Duv:**	0.0008





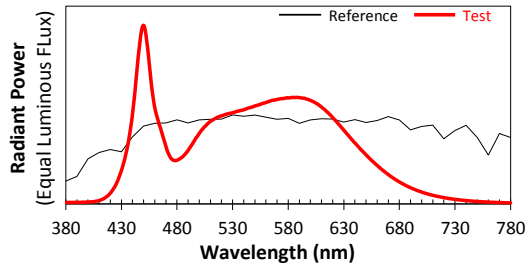
Color Rendering Index Detail

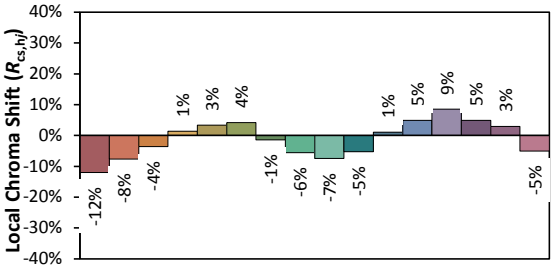
Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14	R15
84.2	82.9	88.9	92.9	84.8	84.0	84.6	86.8	68.5	10.9	73.7	85.0	66.9	84.4	96.3	77.1

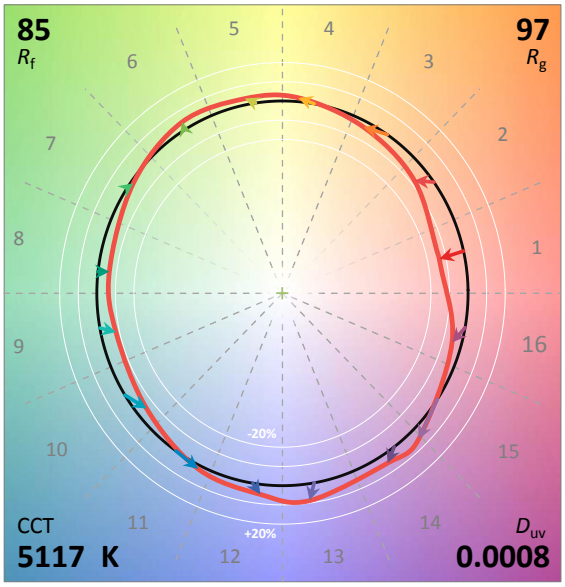


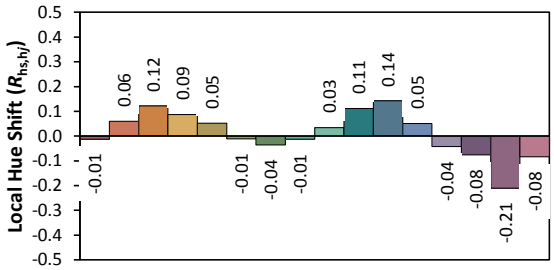
ANSI/IES TM-30-18 Color Rendition Report

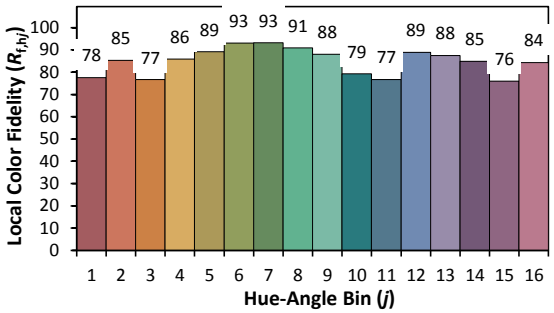
Source:	Test Number: 13459129.10	**Manufacturer:**	H E Williams Inc
Date:	2020-09-23	**Model:**	GH-2-L80-850-FP-[ALL OPTIONS, EXC

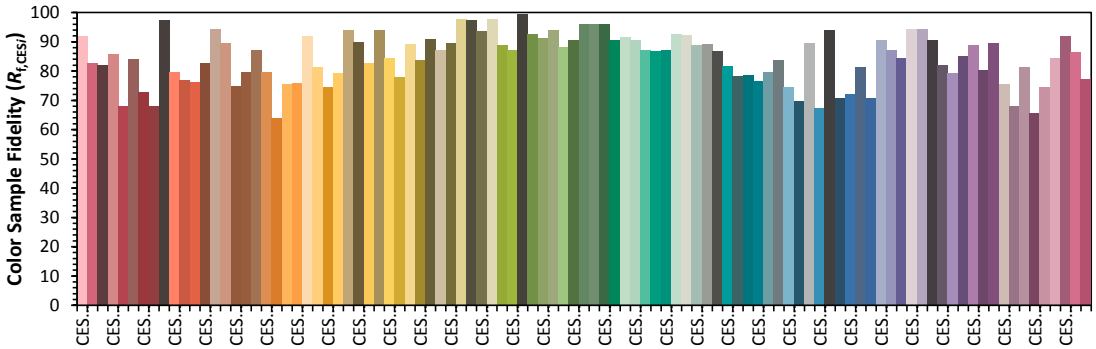












Notes: This is a recommended method for displaying ANSI/IES TM-30-18 information.

x	**0.3419**
y	**0.3506**
u'	**0.2097**
v'	**0.4837**

CIE 13.3-1995 (CRI)	
R_a	84
R_9	11

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