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Integrating Sphere Test Report

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

Prepared For
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Catalog Number
PNF-12-LED-e66-WHP-12-SP-C
Order Number
11913931
Test Number
11913931.06A
Revised Date:
2017-08-29
Test Date

2017-08-29

Prepared By

Tony Rubio, Technician

Approved By

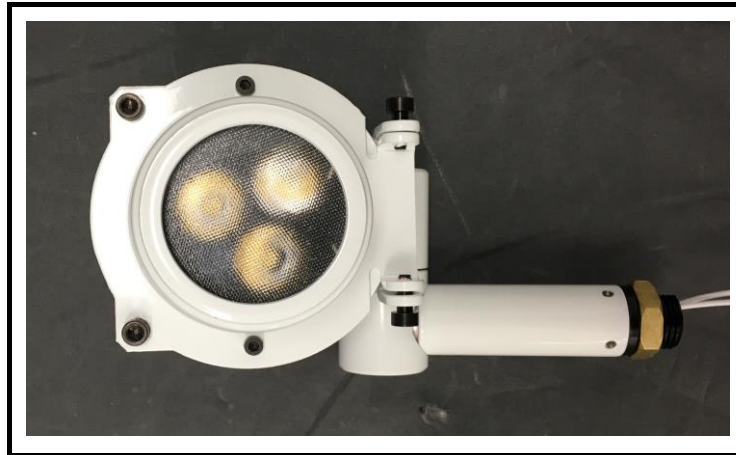
Eric Gaudreau, Senior Engineering Associate

The results contained in this report pertain only to the tested sample.
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Luminaire Description: Formed white metal housing with patterned lens
Lamp: Three (3) white LEDs with optics
Mounting: Pole/Arm
Ballast/Driver: TRE20

Luminaire



Summary of Results

Radiant Flux:	1479 mW
Luminous Flux:	483.7 lm
Luminaire Efficacy:	58.4 lm/W
CCT:	3823 K
CRI (Ra):	81.8
Chromaticity (x):	0.3901
Chromaticity (y):	0.3869
Chromaticity (u):	0.2274
Chromaticity (v):	0.3383
Duv:	0.0017

Test Conditions

Test Temperature:	24.4 °C
Voltage:	120.1 VAC
Current:	0.1142 A
Power:	8.290 W
Power Factor:	0.604
Frequency:	60 Hz
Current THD:	128 %

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



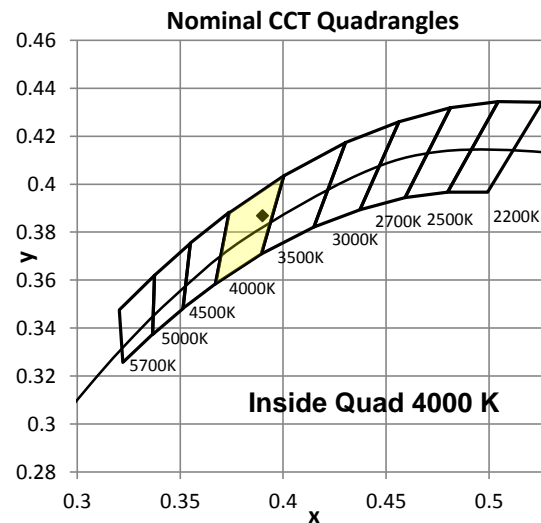
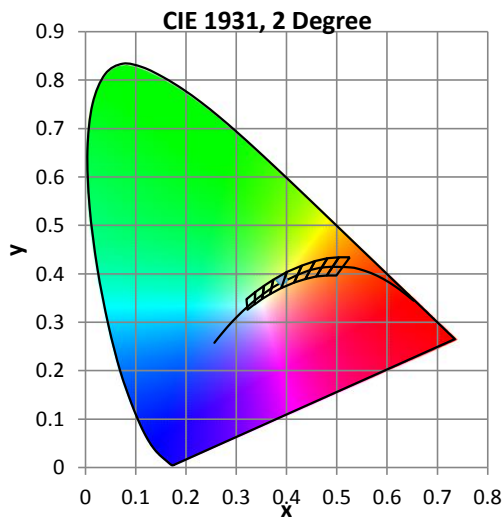
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.4 °C	120.1 VAC	0.1142 A	8.290 W	0.604	60 Hz	128 %

Summary of Results

Total Output:	484 Lumens	Chromaticity (x):	0.3901
Efficacy:	58.4 lm/w	Chromaticity (y):	0.3869
CCT:	3823 K	Chromaticity (u'):	0.2274
CRI (Ra):	81.8	Chromaticity (v'):	0.5074
CRI (R9):	13.7	TM-30 Rf:	81.1
Peak Wavelength:	447.8 nm	TM-30 Rg:	98
Dominant Wavelength:	578.8 nm	Duv:	0.0017
S/P Ratio:	1.575		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
81.8	80.6	85.8	90.0	82.6	80.1	80.5	87.1	67.6	13.7	66.2	81.3	59.6	81.3	94.1

