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Photometric Test Report

Relevant Standards
IES LM-79-2008
ANSI C82.77-2002, UL 1598-2008
UL1598-2008

Prepared For
Relume Technologies

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Catalog Number
HRC-07-CC-6500EE

Order Number
11291862
Test Number
1249882

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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 4π geometry method.
Absorption correction was employed for Sphere measurement



Luminaire Description: LED strip
Lamp: 48 white LEDs
Mounting: Surface
Ballast/Driver: One Lumificient HRL-07-PFC-24

Luminaire



Summary of Results

Integrating Sphere

Luminous Flux: 511 Lumens
Efficacy: 55.7 lm/w
CCT: 6572 K
CRI (Ra): 75.9

Driver Output Electrical Data*

Test Temperature: 24.5 °C
Voltage: 8.382 VAC
Current: 0.8849 A
Power: 7.003 W
Power Factor: 0.944
Frequency: 60 Hz
Current THD: 25.0 %

In-Situ

LED Temperature: 63.2 °C
Measured LED Current: 0.05040 A

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

* Above electrical measurements are from the output of the provided driver



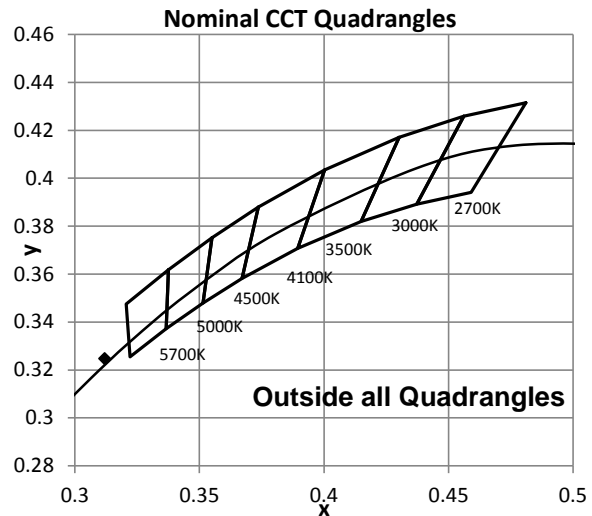
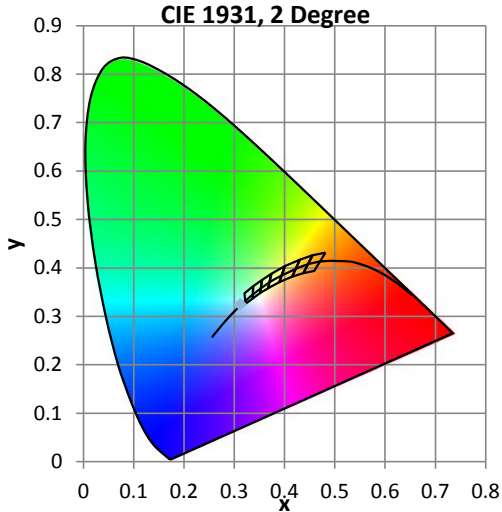
Color Quality - Integrating Sphere

Integrating Sphere Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
24.8 °C	120.0 VAC	0.07984 A	9.182 W	0.958	60 Hz	25.1 %

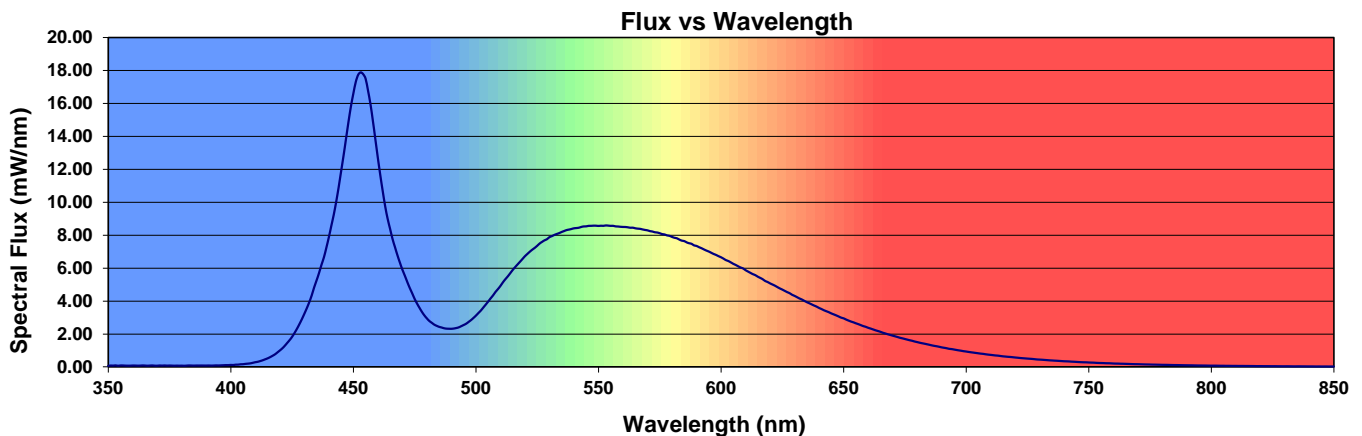
Summary of Results

Total Output:	511 Lumens	Chromaticity (x):	0.3120
Efficacy:	55.7 lm/w	Chromaticity (y):	0.3247
CCT:	6572 K	Chromaticity (u'):	0.1990
CRI (Ra):	75.9	Chromaticity (v'):	0.4659
CRI (R9):	-9.3	TM-30 R_f:	72.4
Peak Wavelength:	453.2 nm	TM-30 R_g:	92.5
Dominant Wavelength:	486.3 nm	Duv:	0.0013
S/P Ratio:	2.099		



Color Rendering Index Detail

Ra (CRI)	R1	R2	R3	R4	R5	R6	R7	R8	R9	R10	R11	R12	R13	R14
75.9	74.3	80.3	80.7	75.7	74.1	70.7	85.4	66.2	-9.3	49.4	71.1	42.4	75.6	89.0





In-Situ Test

In-Situ Test Conditions

Temperature	Voltage	Current	Power	Power Factor	Frequency	Current THD
23.6 °C	120.0 VAC	N/A	N/A	N/A	60 Hz	N/A

Summary of Results

LED Temperature: 63.2 °C
Measured LED Current: 0.05040 A

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

LED Temperature Location

