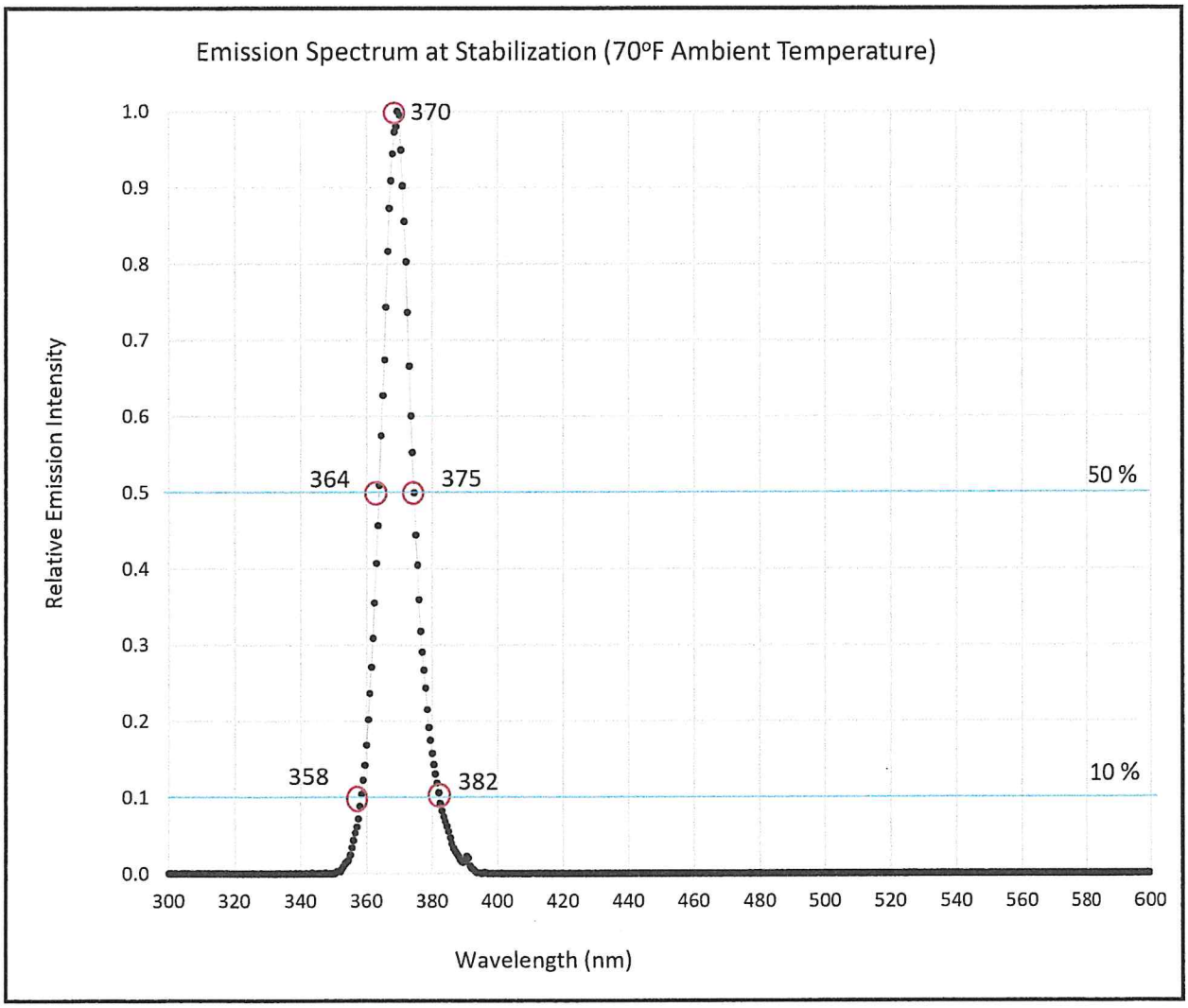
SN# 290633-05 Lamp Specific Acceptance Test

Model: Nomad-Eclipse	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11	≤ 15	nm
Full Width at 10% Maximum	Pass	24	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	2157	≥ 1200	$\mu W/cm^2$



Inspector: VEP

Date of Certification: 9-24-2024

This lamp has been tested to conform to all requirements of:

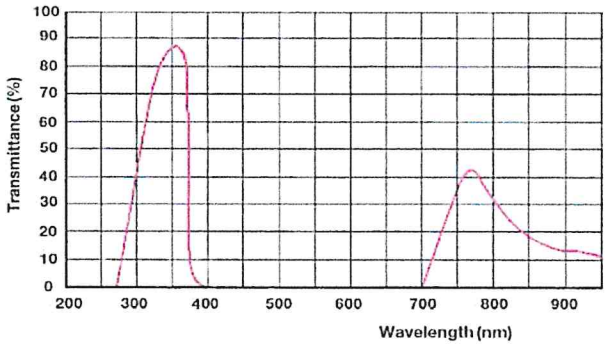
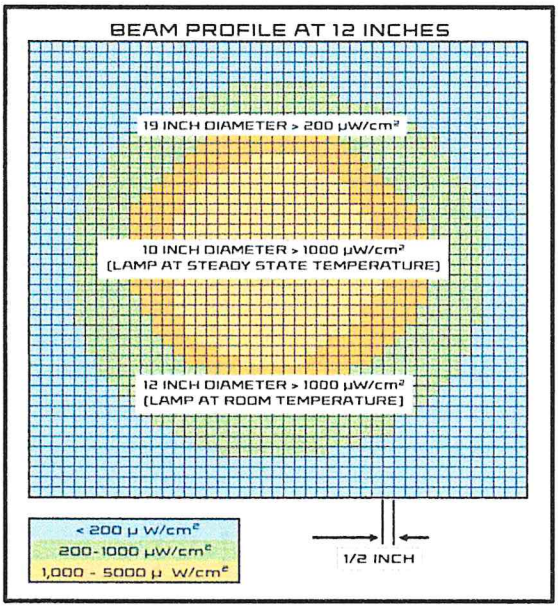
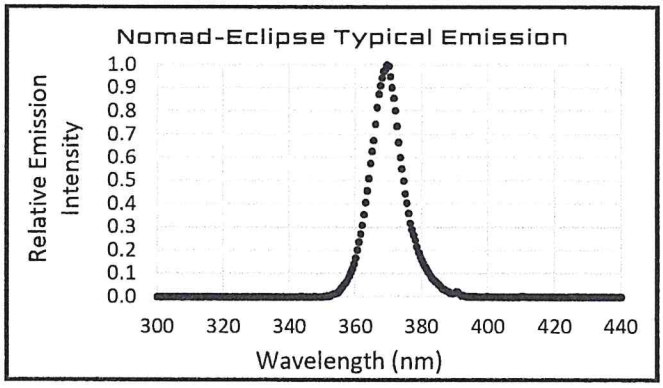
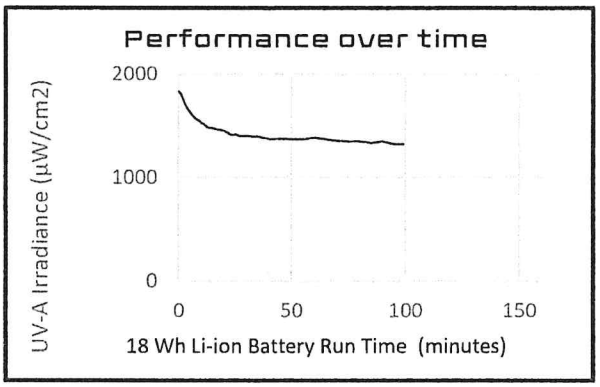
ASTM E3022 ✓ **AITM6-1001** ✓ **ISO 3059** ✓ **RRES 90061** ✓

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 16060829, Certificate Number 16060829-UV-CR2-1223

Nomad-Eclipse, Certificate of Conformance

SN# 290633-05	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	369	370	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	12	≤ 15	nm
Full Width at 10% Maximum	24	24	24	≤ 30	nm
Longest Wavelength at Half Maximum	375	375	375	≤ 377	nm
Visible Emission at 12 in	11	10	8	≤ 20	Lux
Visible Emission at 36 in	2	2	2	≤ 5	Lux
Irradiated Area at 12 in (>1000 µW/cm^2)	12	10	9	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	2,697	2,157	1,400	≥ 1200	µW/cm^2
Irradiance at Peak Output Wavelength	225	180	120	-	µW/cm^2
Min Working Distance** (< 5000 µW/cm^2)	7	7	6	-	Inches
Max Working Distance** (> 1200 µW/cm^2)	15	14	13	-	Inches
Handle Stabilization Temp (70°F Ambient)	-	120	-	≤ 120	°F
Current Ripple	26	26	26	≤ 58	mA peak-peak
Typical Battery Discharge Time (18Wh Batt)	-	95	-		Minutes

** Tested in a **85 ° F** Environment, the **maximum ambient temperature where still light meets requirements***

*** Nomad-Eclipse has tightly grouped LED emitters, thus beam uniformity does not change with working distance (RRES 90061)*

Glass UV Pass filter
Transmittance:
~0% < 275nm
~85% (Peak) @ 365nm
~0% >400nm <675nm
Secondary Peak ~42% @ 775nm
<20% above 825nm
Used in forensics, Testing, chemical analysis.
DIA: 25mm **T:** 1.5mm **WT:** .004