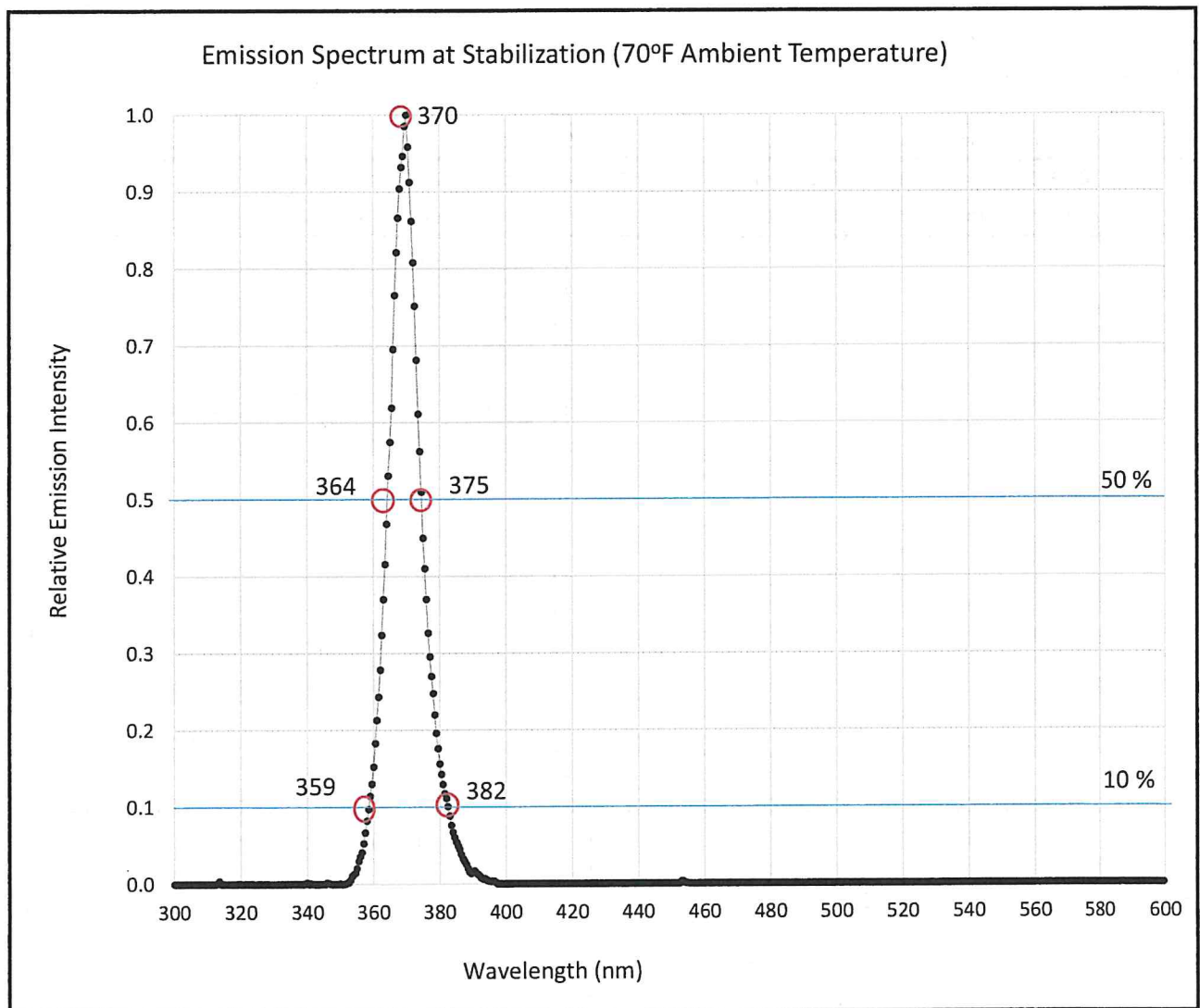




SN# 290648-07 Lamp Specific Acceptance Test

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	2048 ✓	≥ 1200	$\mu\text{W}/\text{cm}^2$



Inspector: MHP
Date of Certification: 12-16-2024

This lamp has been tested to conform to all requirements of:
ASTM E3022 ✓ AITM6-1001 ✓ ISO 3059 ✓ RRES 90061 ✓



Nomad-Eclipse, Certificate of Conformance

SN# 290648-07	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 ($>1000 \mu\text{W}/\text{cm}^2$)	12	10	9	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	2,560	2,048	1,400	≥ 1200	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	220	176	120	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	7	7	6	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	15	14	13	-	Inches
Handle Stabilization Temp (70°F Ambient)	-	120	-	≤ 120	$^\circ\text{F}$
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% $< 275\text{nm}$
~85% (Peak) @ 365nm
~0% $> 400\text{nm}$ $< 675\text{nm}$
Secondary Peak ~42% @ 775nm
 $< 20\%$ above 825nm
Used in forensics, Testing, chemical analysis.
DIA: 25mm T: 1.5mm WT: .004

