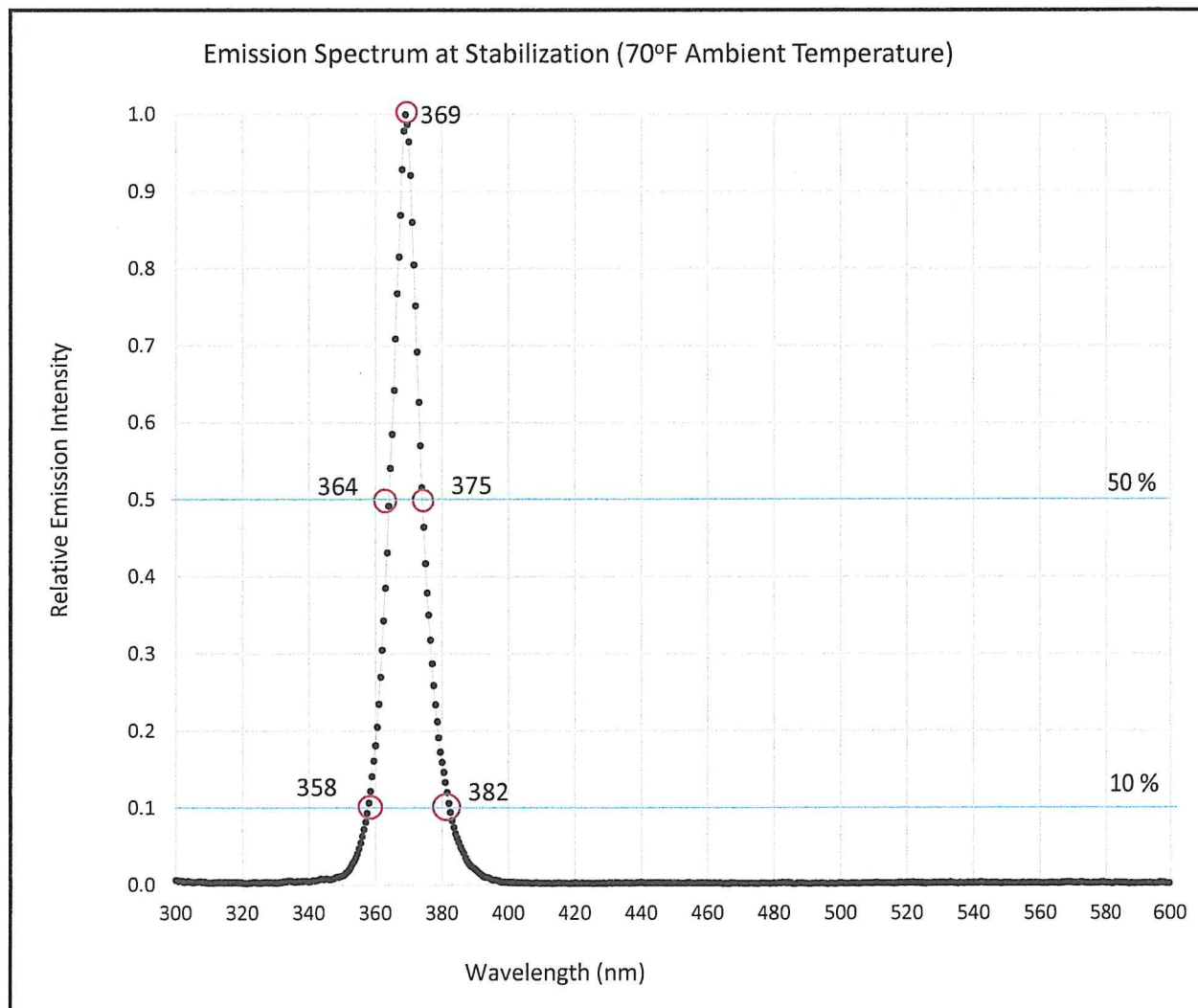




SN# 001800 Lamp Specific Acceptance Test

Model: UV-6400, Nomad-Eclipse	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	369	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	2184	≥ 1200	$\mu\text{W}/\text{cm}^2$



Inspector: MLK
Date of Certification: 9-8-2026

This lamp has been tested to conform to all requirements of:
ASTM E3022 ☒ AIM6-1001 ☒ ISO 3059 ☒ RRES 90061 ☒

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 26011309, Certificate Number 26011309-UV-CR2-0126

Nomad-Eclipse, Certificate of Conformance



SN# 001800	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	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)	2,730	2,184	1,400	≥ 1200	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	232	185	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	°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 light still 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

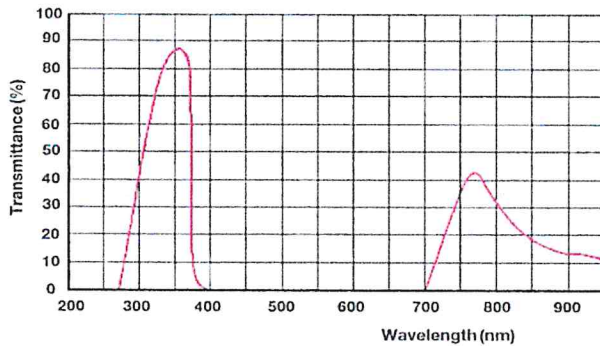
~0% $> 400\text{nm} < 675\text{nm}$

Secondary Peak ~42% @ 775nm

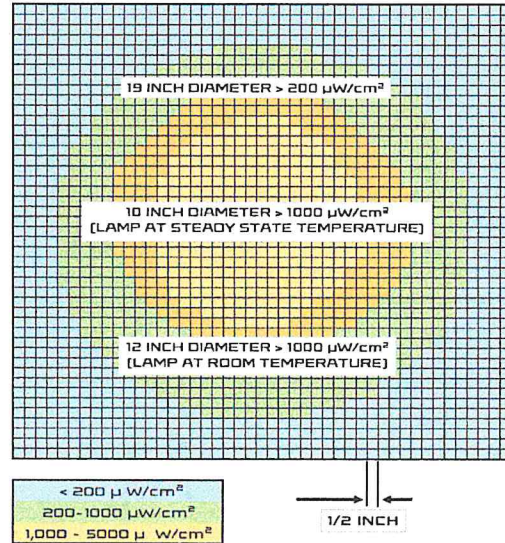
$< 20\%$ above 825nm

Used in forensics, Testing, chemical analysis.

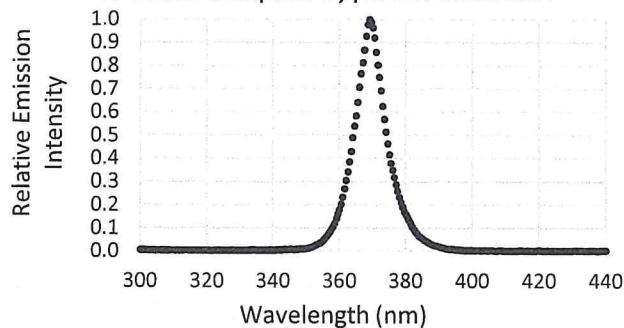
DIA: 25mm T: 1.5mm WT: .004



BEAM PROFILE AT 12 INCHES



Nomad-Eclipse Typical Emission



Performance over time

