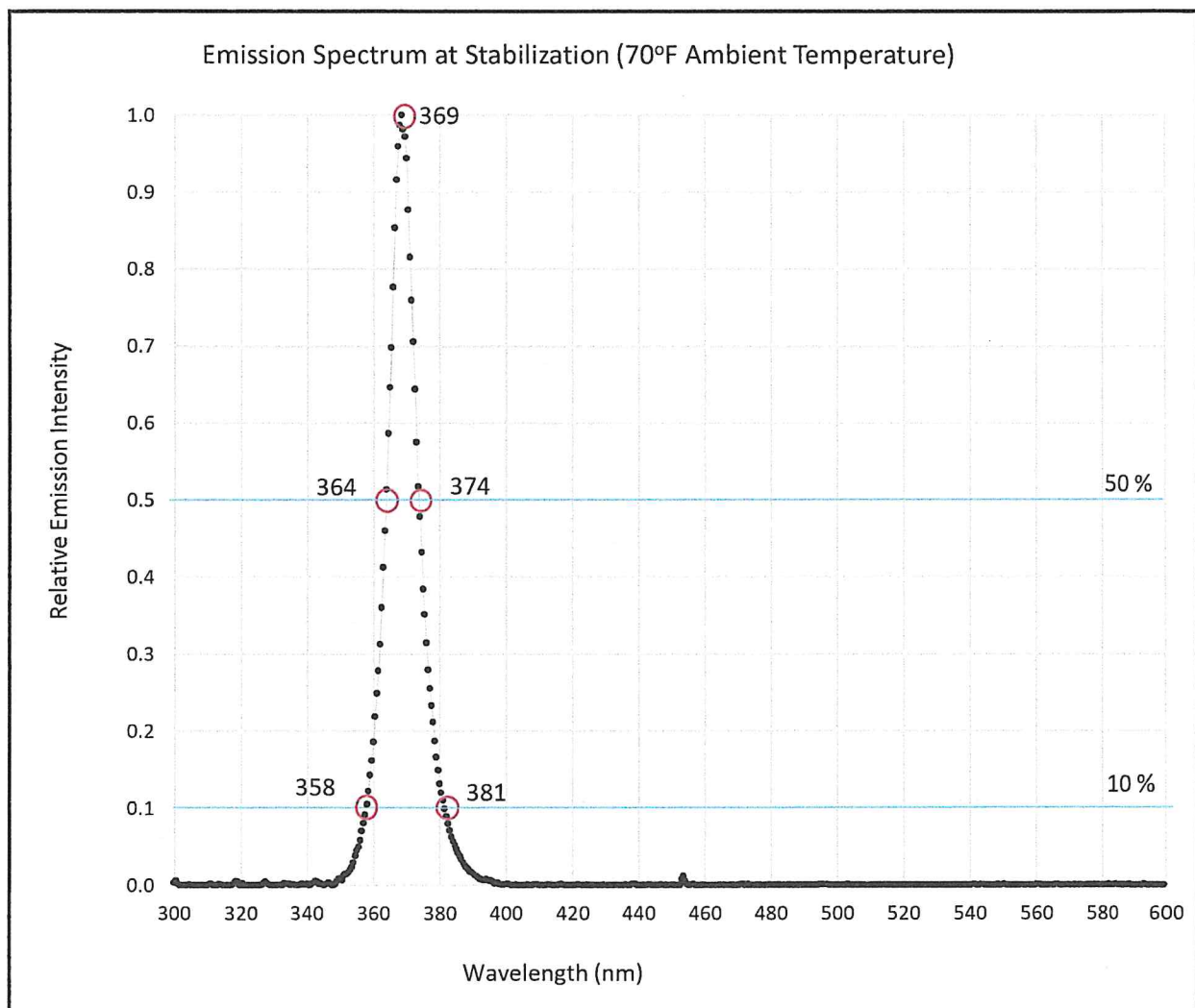


SN# 24040907 Lamp Specific Acceptance Test



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	23 -	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	374 -	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	2508 -	≥ 1200	μW/cm ²



Inspector: MHP
 Date of Certification: 6.27.2025

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 22011404, Certificate Number 22011404-UV-CR2-1124



Nomad-Eclipse, Certificate of Conformance

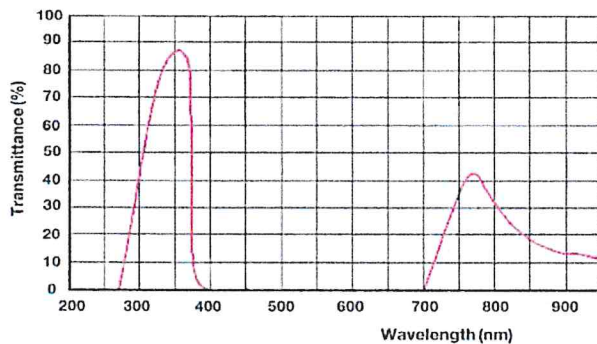


SN# 24040907_nomadeclipse_recert1	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	12	≤ 15	nm
Full Width at 10% Maximum	23	23	24	≤ 30	nm
Longest Wavelength at Half Maximum	374	374	375	≤ 377	nm
Visible Emission at 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)	3,135	2,508	1,400	≥ 1200	μW/cm ²
Irradiance at Peak Output Wavelength	269	215	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

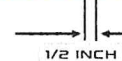
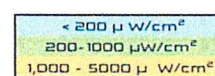
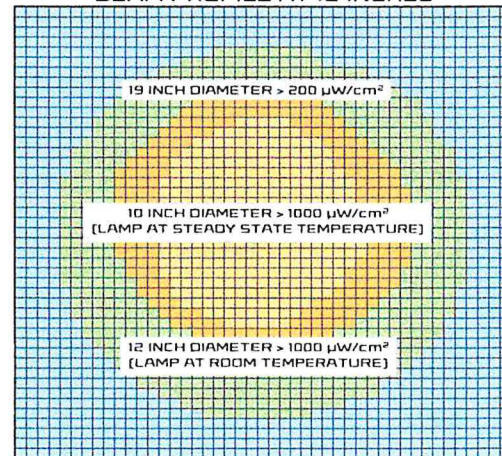
* Tested in a 85° F Environment, the maximum ambient temperature where still light meets requirements

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

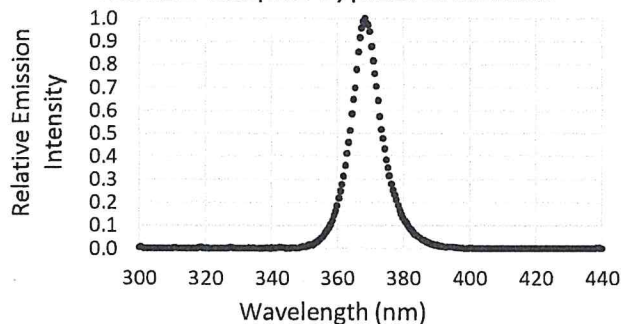
Glass UV Pass filter
Transmittance:
~0% < 275nm
~85% (Peak) @ 365nm
~0% > 400nm < 675nm
Secondary Peak ~42% @ 775nm
<20% above 825nm
Used in forensics, Testing, chemical analysis.
DIA: 25mm T: 1.5mm WT: .004



BEAM PROFILE AT 12 INCHES



Nomad-Eclipse Typical Emission



Performance over time

