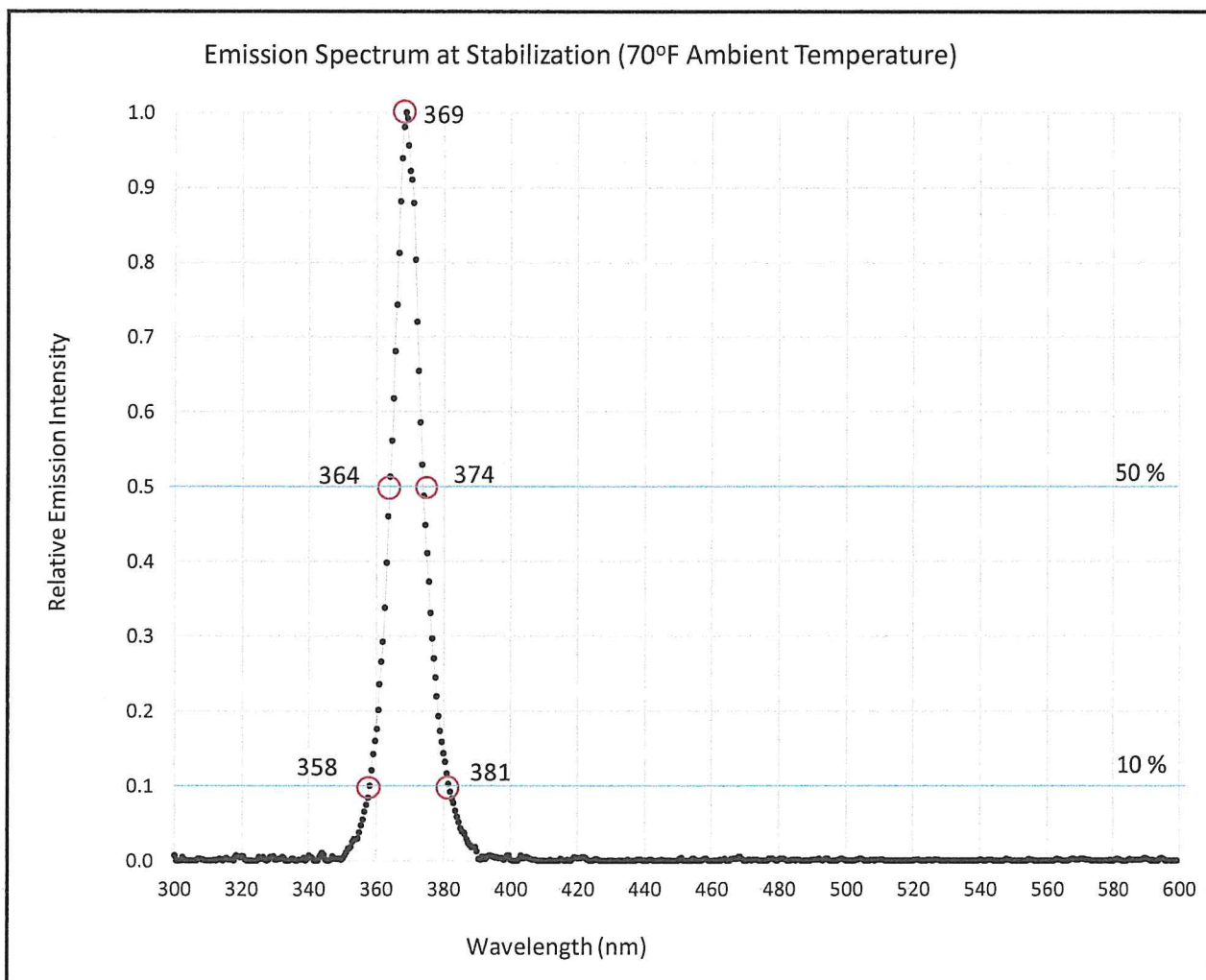


SN# 23083101 Lamp Specific Acceptance Test



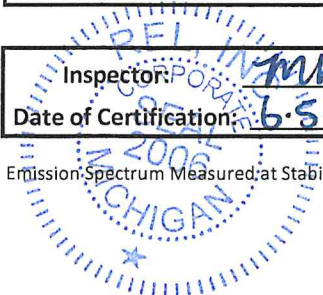
Model: UV-5400, Nomad-Ascent	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	369 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	23 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	374 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	1561 ✓	≥ 1200	μW/cm ²



Inspector: REL IN MK
 Date of Certification: 6.5.2026

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 18120729, Certificate Number 18120729-UV-CR2-0925





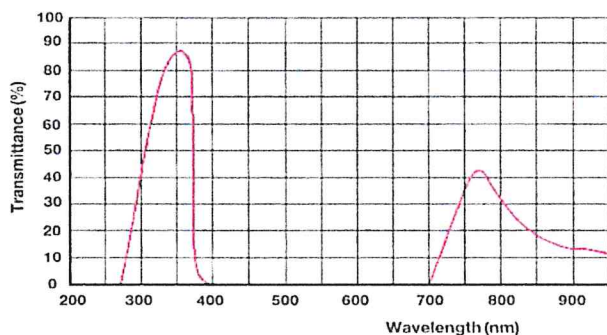
Nomad-Ascent, Certificate of Conformance

SN# 23083101_nomadascent_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 15 in	8	6	5	≤ 20	Lux
Visible Emission at 36 in	2	2	2	≤ 5	Lux
Irradiated Area at 15 in ($>1000 \mu\text{W}/\text{cm}^2$)	12	8	7	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	1,952	1,561	1,200	≥ 1000	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	167	134	102	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	9	8	8	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	17	16	15	-	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

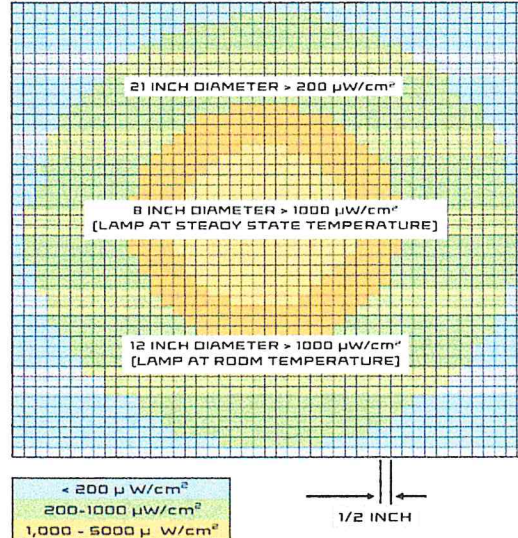
* Tested in a 85°F Environment, the maximum ambient temperature where light still meets requirements

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

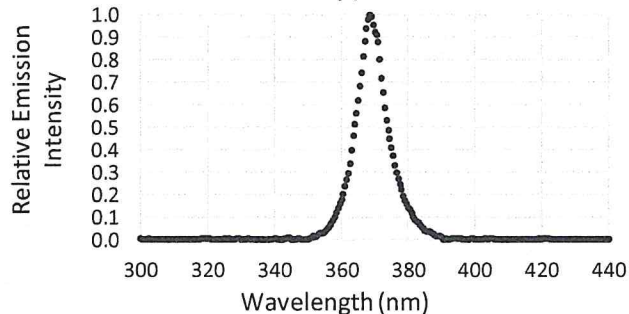
Glass UV Pass filter
 Transmittance:
 ~0% $< 275\text{nm}$
 ~85% (Peak) @ 365nm
 ~0% $> 400\text{nm} - 675\text{nm}$
 Secondary Peak ~42% @ 775nm
 ~20% above 825nm
 Used in forensics, Testing, chemical analysis.
 DIA: 25mm T: 1.5mm WT: .004



BEAM PROFILE AT 15 INCHES



Nomad-Ascent Typical Emission



Performance over time

