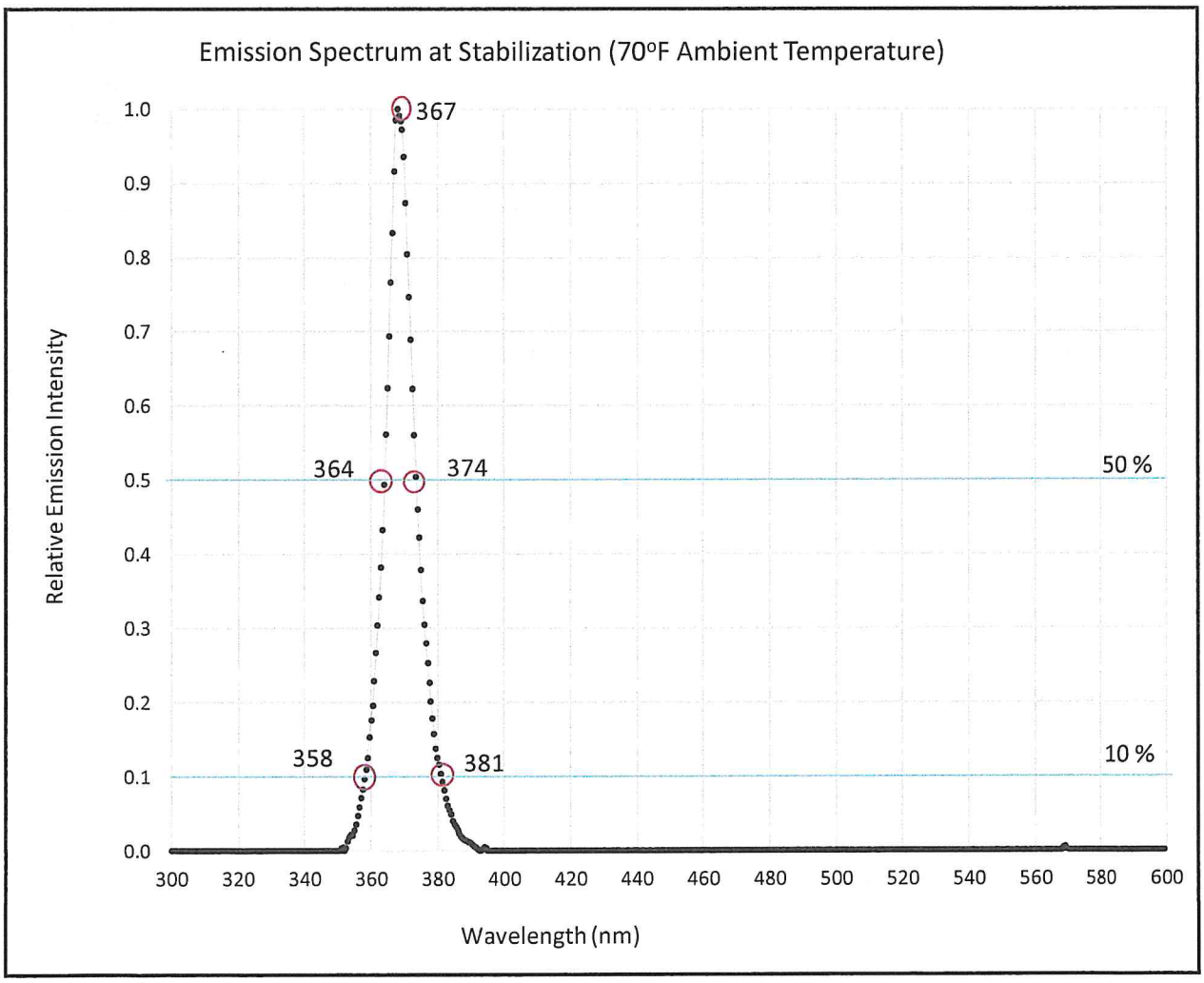
SN# 001476 Lamp Specific Acceptance Test

Model: UV-5400, Nomad-Ascent	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	367	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	10	≤ 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	1223	≥ 1200	$\mu W/cm^2$



Inspector: MK

Date of Certification: 6-16-2026

REL INC. CORPORATE SEAL 2008 MICHIGAN

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# 001476	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	366	367	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	10	10	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 µW/cm^2)	12	8	7	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	1,528	1,223	1,200	≥ 1000	µW/cm^2
Irradiance at Peak Output Wavelength	135	108	102	-	µW/cm^2
Min Working Distance** (< 5000 µW/cm^2)	9	8	8	-	Inches
Max Working Distance** (> 1200 µW/cm^2)	17	16	15	-	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-Ascent 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

