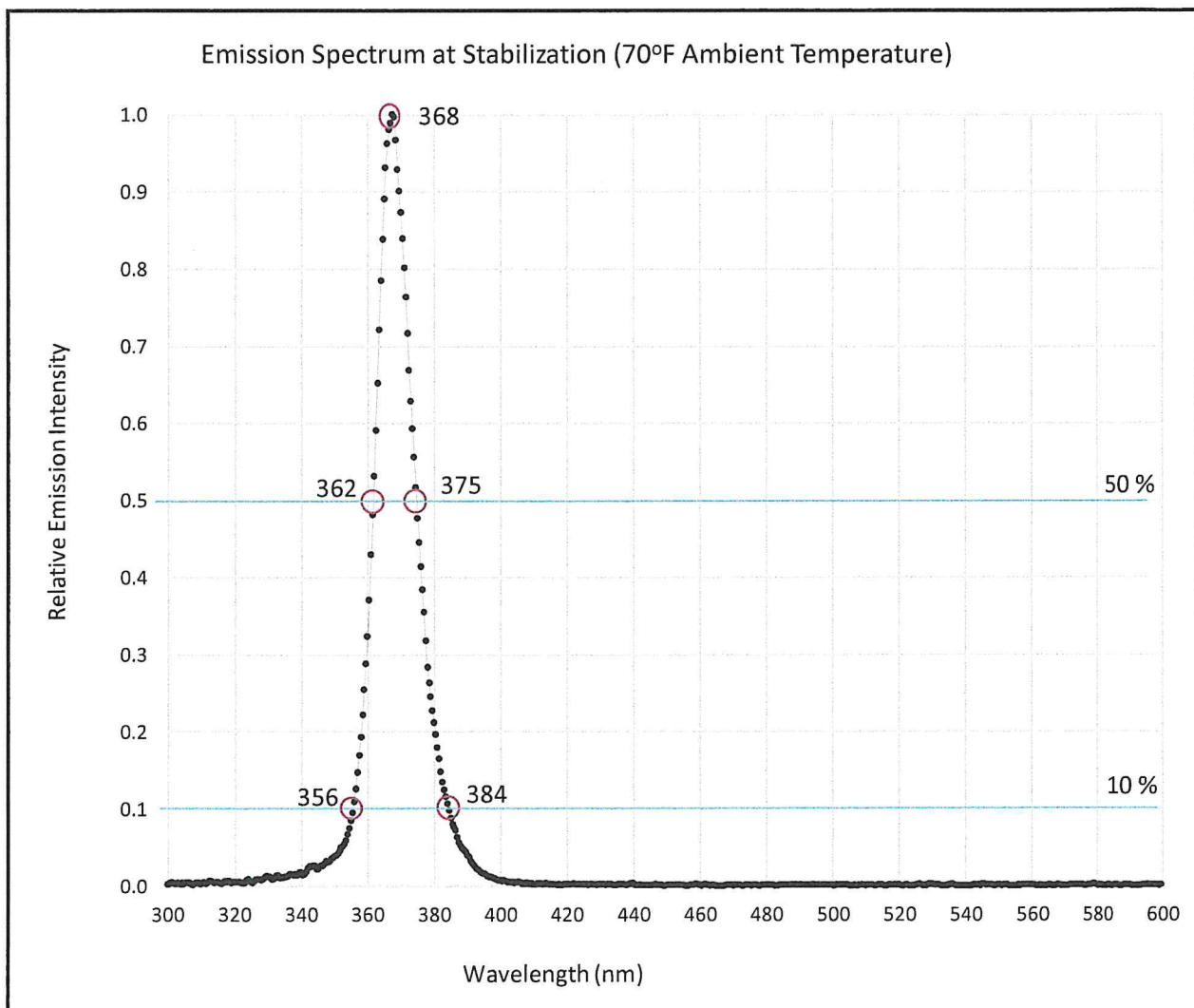


# SN# 24050903 Lamp Specific Acceptance Test



| Model: UV-2100, Magnum Light Pipe      | Result | Steady State | Acceptable | Units              |
|----------------------------------------|--------|--------------|------------|--------------------|
| Peak Output Wavelength                 | Pass   | 368 ✓        | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)         | Pass   | 14 ✓         | ≤ 15       | nm                 |
| Full Width at 10% Maximum              | Pass   | 28 ✓         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum     | Pass   | 375 ✓        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm) | Pass   | 1510 ✓       | ≥ 1000     | μW/cm <sup>2</sup> |



Inspector: MHP  
 Date of Certification: 10.20.2025

REL INC  
 SEATTLE  
 2006  
 MICHIGAN

This lamp has been tested to conform to all requirements of:

ASTM E3022 ✓ ASTM E1417 ✓ ISO 3059 ✓

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 22011404, Certificate Number 22011404-UV-CR2-1124

## C4 Magnum Series, Certificate of Conformance



| SN# 24050903_magnum_lightpipe_recert1             | Switch On | Steady State | Elevated Temp* | Acceptable | Units              |
|---------------------------------------------------|-----------|--------------|----------------|------------|--------------------|
| Peak Output Wavelength                            | 367       | 368          | 370            | 365 ± 5    | nm                 |
| Full Width Half Maximum (FWHM)                    | 14        | 14           | 13             | ≤ 15       | nm                 |
| Full Width at 10% Maximum                         | 28        | 28           | 27             | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum                | 374       | 375          | 377            | ≤ 377      | nm                 |
| Visible Emission at 8 in                          | 15        | 13           | 7              | ≤ 20       | Lux                |
| Visible Emission at 36 in                         | 2         | 2            | 2              | ≤ 5        | Lux                |
| Irradiated Area (>1000 μW/cm <sup>2</sup> )       | 5         | 4            | 4              | ≥ 3        | Inch Diameter      |
| Max Excitation Irradiance (347-382 nm)            | 1,812     | 1,510        | 1,600          | ≥ 1000     | μW/cm <sup>2</sup> |
| Irradiance at Peak Output Wavelength              | 125       | 104          | 120            | -          | μW/cm <sup>2</sup> |
| Min Working Distance (< 5000 μW/cm <sup>2</sup> ) | 5         | 4            | 4              | -          | Inches             |
| Max Working Distance (> 1200 μW/cm <sup>2</sup> ) | 9         | 8            | 7              | -          | Inches             |
| Body Stabilization Temp (70°F Ambient)            | -         | 116          | -              | ≤ 120      | °F                 |
| Current Ripple                                    | 9         | 9            | 9              | ≤ 35       | mA peak-peak       |

\* Tested in a 110°F Environment, the **maximum ambient temperature where still light meets all requirements**

All testing was conducted at 8 inches from the sensor unless otherwise noted

