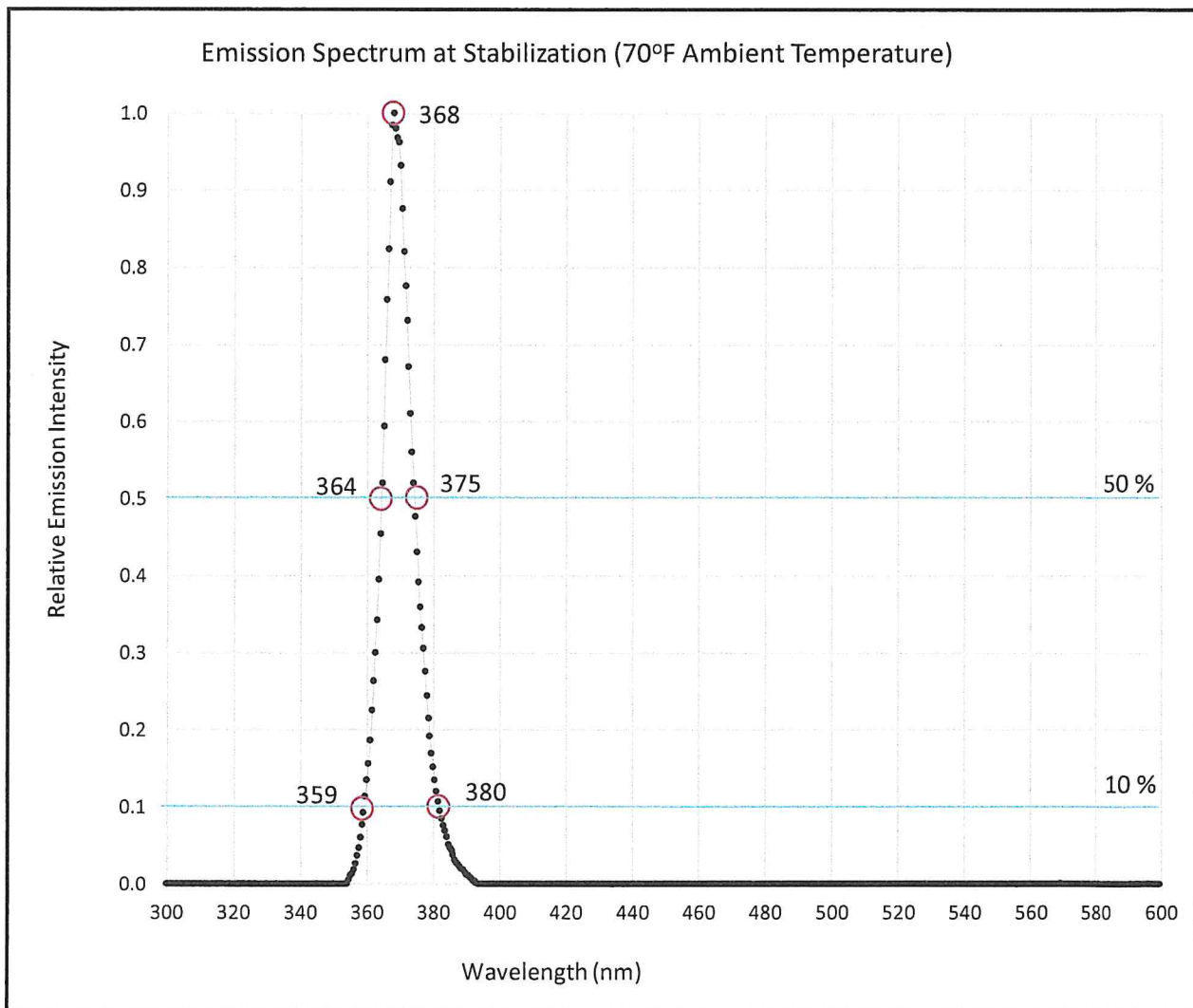


# SN# 001190 Lamp Specific Acceptance Test



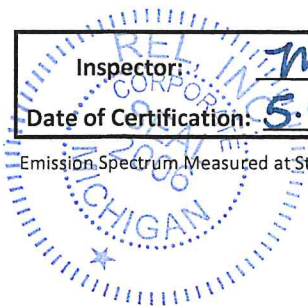
| Model: UV-2100DH, Magnum Liquid Stylus | Result | Steady State | Acceptable  | Units                     |
|----------------------------------------|--------|--------------|-------------|---------------------------|
| Peak Output Wavelength                 | Pass   | 368          | $365 \pm 5$ | nm                        |
| Full Width Half Maximum (FWHM)         | Pass   | 11           | $\leq 15$   | nm                        |
| Full Width at 10% Maximum              | Pass   | 21           | $\leq 30$   | nm                        |
| Longest Wavelength at Half Maximum     | Pass   | 375          | $\leq 377$  | nm                        |
| Max Excitation Irradiance (347-382 nm) | Pass   | 1729         | $\geq 1200$ | $\mu\text{W}/\text{cm}^2$ |



Inspector: MRK  
 Date of Certification: 5.5.2026

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



## C4 Magnum Series, Certificate of Conformance



| SN# 001190_liquid_stylus                                     | Switch On | Steady State | Elevated Temp* | Acceptable   | Units                     |
|--------------------------------------------------------------|-----------|--------------|----------------|--------------|---------------------------|
| Peak Output Wavelength                                       | 367       | 368          | 368            | $365 \pm 5$  | nm                        |
| Full Width Half Maximum (FWHM)                               | 11        | 11           | 11             | $\leq 15$    | nm                        |
| Full Width at 10% Maximum                                    | 21        | 21           | 21             | $\leq 30$    | nm                        |
| Longest Wavelength at Half Maximum                           | 374       | 375          | 377            | $\leq 377$   | nm                        |
| Visible Emission at 15 in                                    | 0.4       | 0.4          | 0.4            | $\leq 2$     | fc                        |
| Visible Emission at 36 in                                    | 0.1       | 0.1          | 0.1            | $\leq .5$    | fc                        |
| Irradiated Area at 15 in ( $>1000 \mu\text{W}/\text{cm}^2$ ) | 4         | 4            | 4              | $\geq 3$     | Inch Diameter             |
| Max Excitation Irradiance (347-382 nm)                       | 1,816     | 1,729        | 1,200          | $\geq 1,200$ | $\mu\text{W}/\text{cm}^2$ |
| Irradiance at Peak Output Wavelength                         | 160       | 153          | 133            | -            | $\mu\text{W}/\text{cm}^2$ |
| Min Working Distance** ( $< 2 \text{ fc}$ )                  | 4         | 4            | 4              | -            | Inches                    |
| Max Working Distance** ( $> 1200 \mu\text{W}/\text{cm}^2$ )  | 16        | 16           | 15             | -            | Inches                    |
| Body Stabilization Temp ( $70^\circ\text{F}$ Ambient)        | -         | 116          | -              | $\leq 120$   | $^\circ\text{F}$          |
| Current Ripple                                               | 9         | 9            | 9              | $\leq 35$    | mA peak-peak              |

\* Tested in a  $110^\circ\text{F}$  Environment, the **maximum ambient temperature where light still meets all requirements**

\*\* C4 Magnum series lights use a single LED emitter, thus beam uniformity does not change with working distance (RRES 90061)

