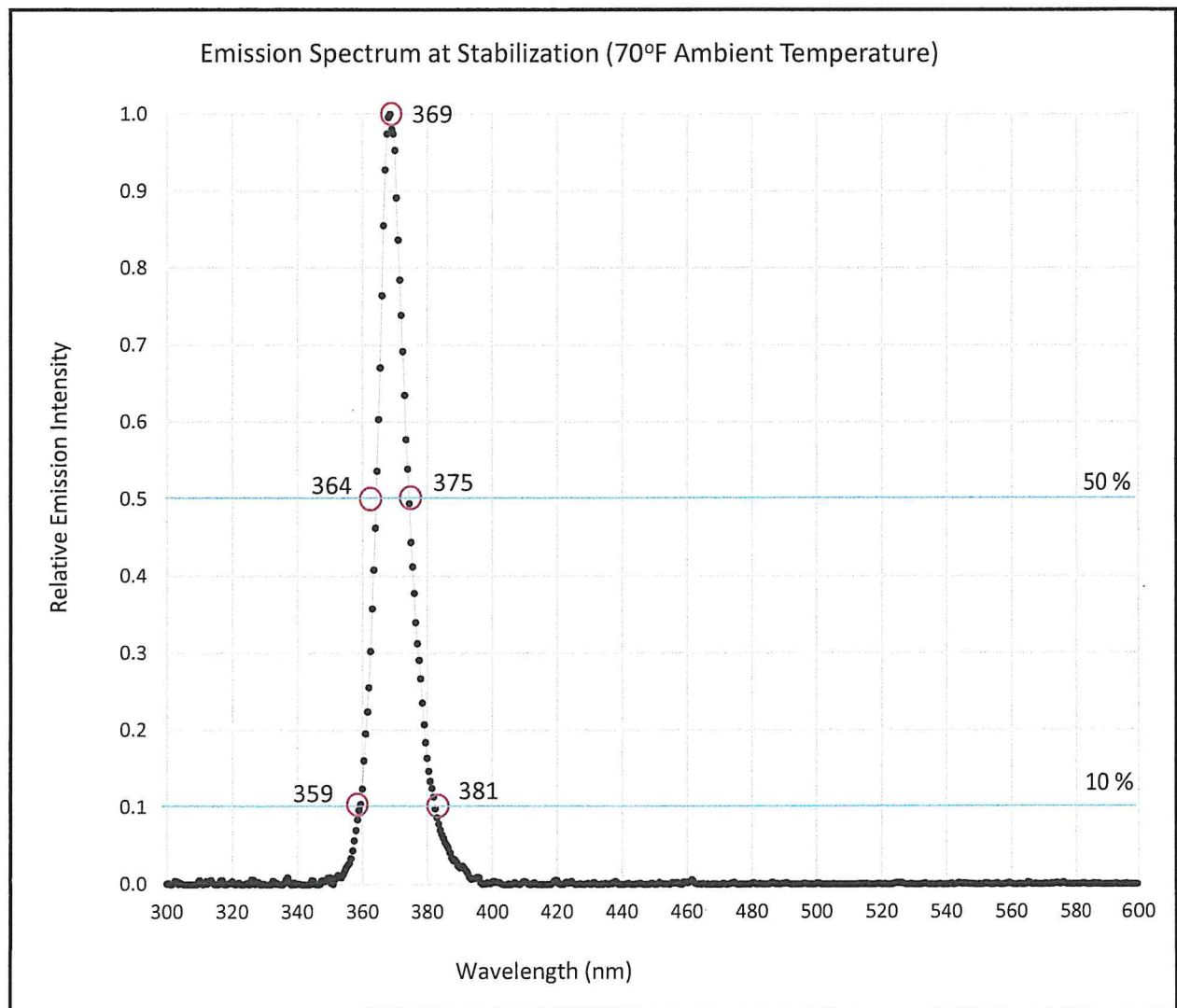


# SN# 290673-02 Lamp Specific Acceptance Test



| Model: Magnum Light Pipe, Focused Beam Optic | 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   | 22 ✓         | ≤ 30       | nm                 |
| Longest Wavelength at Half Maximum           | Pass   | 375 ✓        | ≤ 377      | nm                 |
| Max Excitation Irradiance (347-382 nm)       | Pass   | 1380 ✓       | ≥ 1200     | μW/cm <sup>2</sup> |



Inspector: MHP  
 Date of Certification: 11-20-2024

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 16060829, Certificate Number 16060829-UV-CR2-1223

## C4 Magnum Series, Certificate of Conformance



| SN# 290673-02                                                | Switch On | Steady State | Elevated Temp* | Acceptable   | Units                     |
|--------------------------------------------------------------|-----------|--------------|----------------|--------------|---------------------------|
| Peak Output Wavelength                                       | 368       | 369          | 369            | $365 \pm 5$  | nm                        |
| Full Width Half Maximum (FWHM)                               | 11        | 11           | 11             | $\leq 15$    | nm                        |
| Full Width at 10% Maximum                                    | 22        | 22           | 22             | $\leq 30$    | 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)                       | 1,518     | 1,380        | 1,200          | $\geq 1,200$ | $\mu\text{W}/\text{cm}^2$ |
| Irradiance at Peak Output Wavelength                         | 130       | 118          | 98             | -            | $\mu\text{W}/\text{cm}^2$ |
| 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°F Ambient)                       | -         | 116          | -              | $\leq 120$   | °F                        |
| Current Ripple                                               | 9         | 9            | 9              | $\leq 35$    | mA peak-peak              |

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

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

