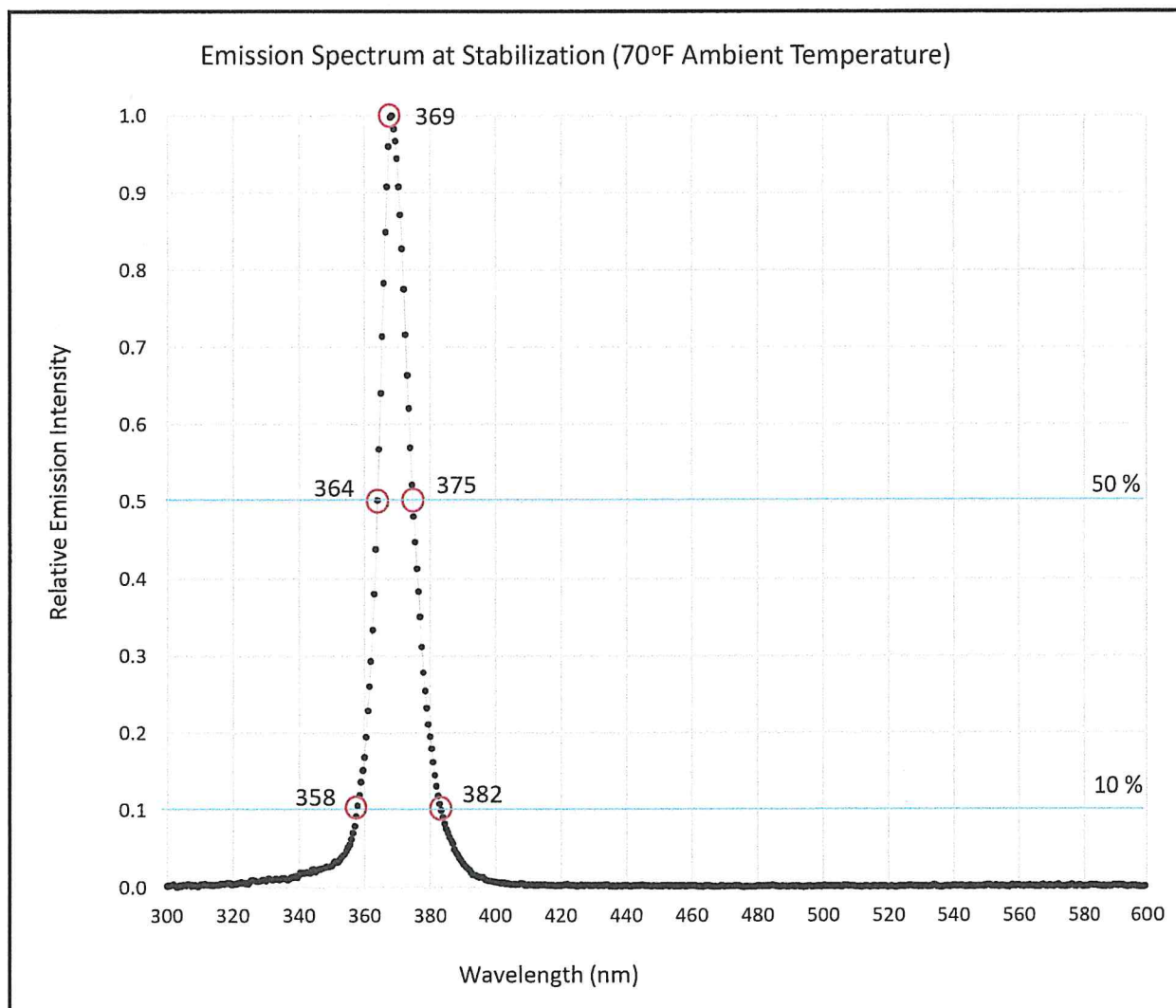


SN# 290721-05 Lamp Specific Acceptance Test



Model: Magnum Liquid Stylus	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	369 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	12 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	24 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	1655 ✓	≥ 1200	μW/cm ²

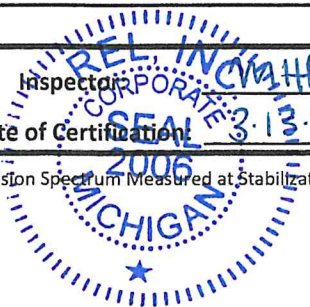


Inspector: CMHP
 Date of Certification: 3.13.2025

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 22011404, Certificate Number 22011404-UV-CR2-1124



C4 Magnum Series, Certificate of Conformance



SN# 290721-05_liquid_stylus_recert1	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	369	365 ± 5	nm
Full Width Half Maximum (FWHM)	12	12	12	≤ 15	nm
Full Width at 10% Maximum	24	24	24	≤ 30	nm
Longest Wavelength at Half Maximum	374	375	377	≤ 377	nm
Visible Emission at 15 in	0.4	0.4	0.4	≤ 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	≥ 3	Inch Diameter
Max Excitation Irradiance (347-382 nm)	1,821	1,655	1,200	$\geq 1,200$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	145	131	111	-	$\mu\text{W}/\text{cm}^2$
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	-	≤ 120	$^\circ\text{F}$
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**

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

