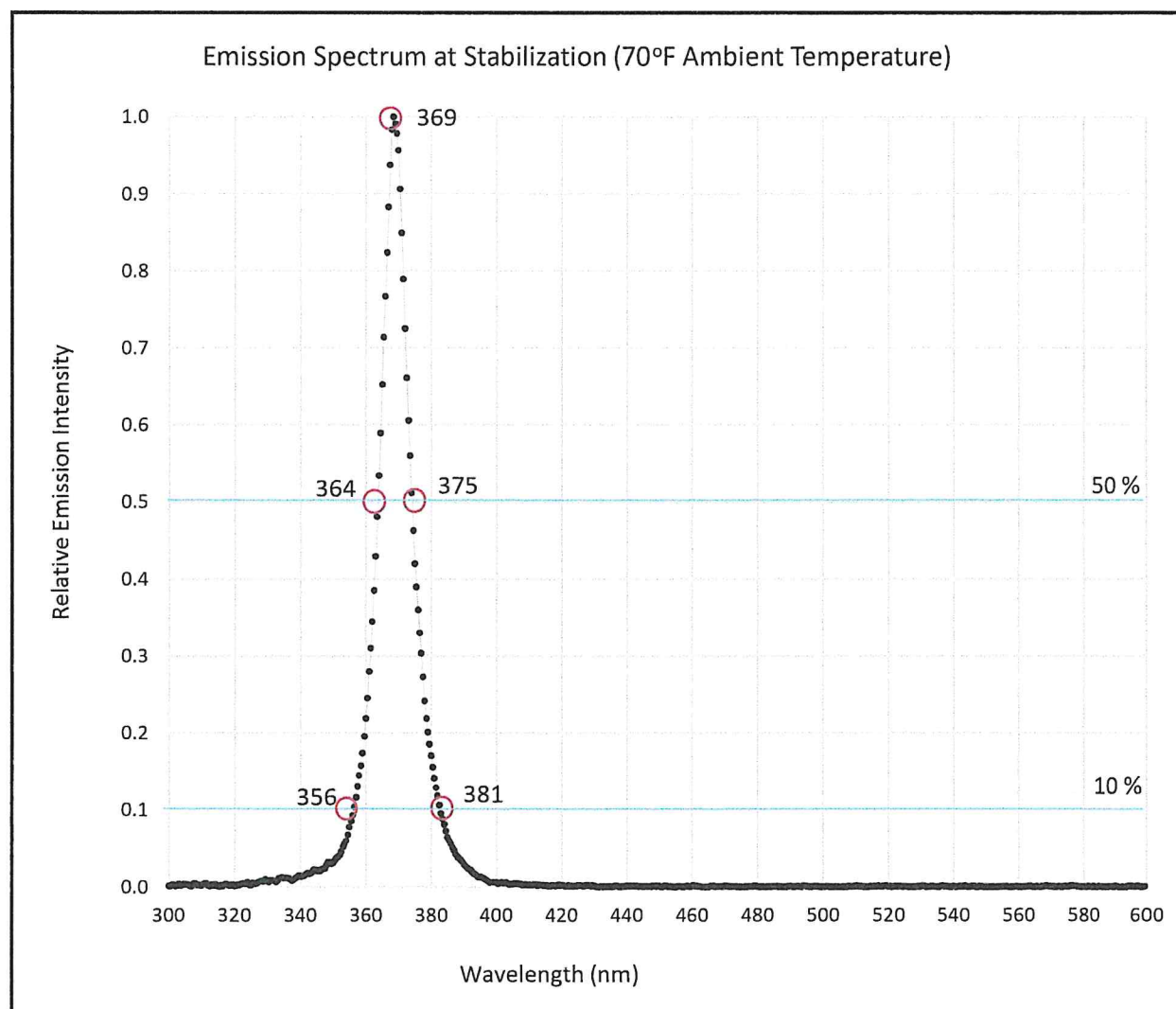


SN# 290763-05 Lamp Specific Acceptance Test



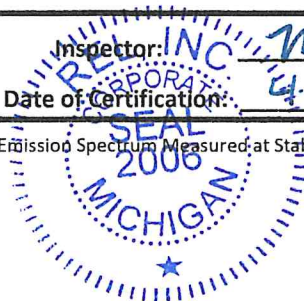
Model: Magnum-DH	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	369 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	11 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	25 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	1530 ✓	≥ 2000	μW/cm ²



Inspector: MHP
 Date of Certification: 4-7-2025

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

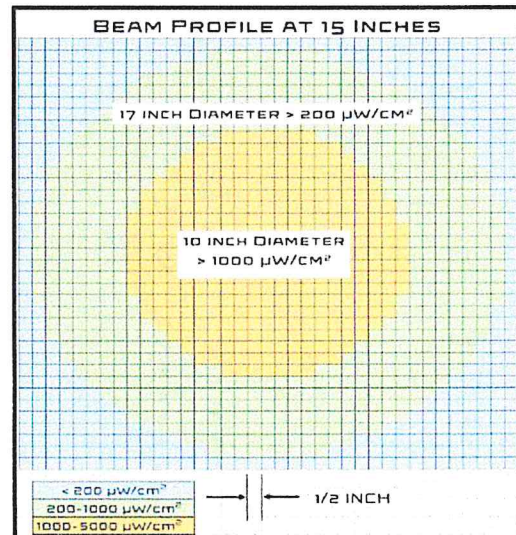
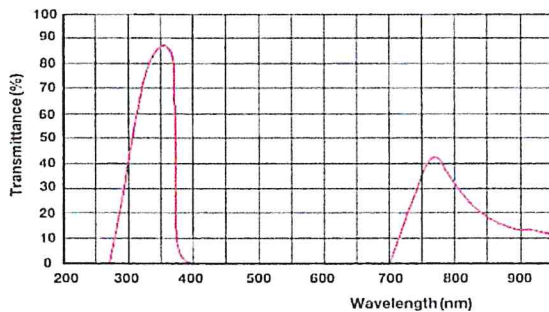


SN# 290763-05	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	368	369	369	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	13	≤ 15	nm
Full Width at 10% Maximum	25	25	26	≤ 30	nm
Longest Wavelength at Half Maximum	374	375	376	≤ 377	nm
Visible Emission at 15 in	7	6	6	≤ 20	Lux
Visible Emission at 36 in	1	1	1	≤ 5	Lux
Irradiated Area at 15 in ($>1000 \mu\text{W}/\text{cm}^2$)	11	10	9	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	1,912	1,530	1,300	$\geq 1,000$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	152	122	120	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	9	8	8	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	19	18	18	-	Inches
Body Stabilization Temp (70°F Ambient)	-	112	-	≤ 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)

Glass UV Pass filter
Transmittance:
~0% $< 275\text{nm}$
~85% (Peak) @ 365nm
~0% $> 400\text{nm}$ $< 675\text{nm}$
Secondary Peak ~42% @ 775nm
 $< 20\%$ above 825nm
Used in forensics, Testing, chemical analysis.
DIA: 25mm T: 1.5mm WT: .004



C4 Magnum Series, Typical Emission Spectrum

