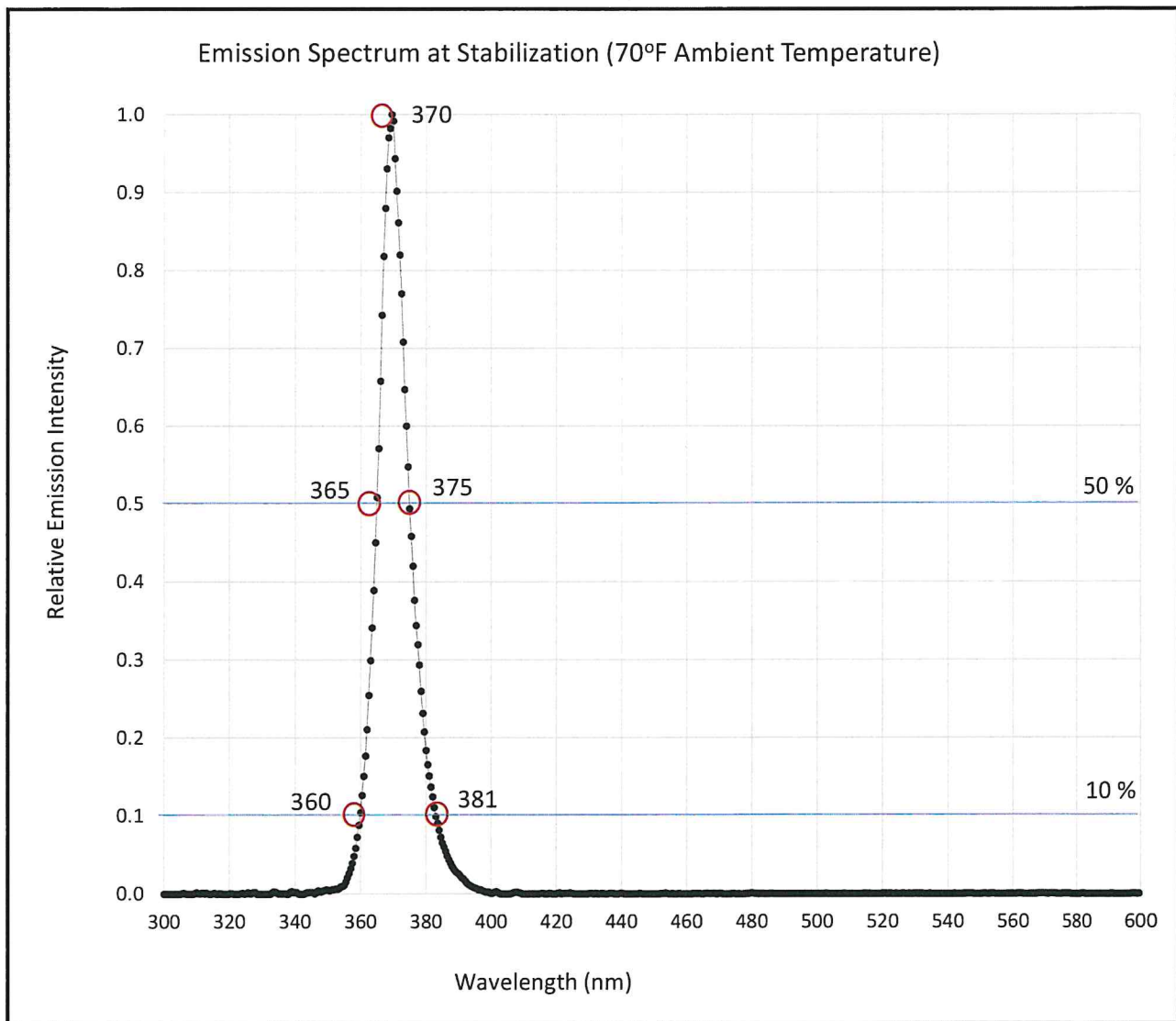




SN# 290647-02 Lamp Specific Acceptance Test

Model: Magnum	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	370 ✓	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	3852 ✓	≥ 2000	$\mu\text{W}/\text{cm}^2$



Inspector:

MHP

Date of Certification:

11-11-2024

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

ASTM E3022 ✓

AITM6-1001 ✓

ISO 3059 ✓

RRES 90061 ✓

C4 Magnum Series, Certificate of Conformance



SN# 290647-02	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	369	370	369	365 ± 5	nm
Full Width Half Maximum (FWHM)	11	11	13	≤ 15	nm
Full Width at 10% Maximum	22	22	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	3	3	3	≤ 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)	4,237	3,852	2,400	$\geq 2,000$	$\mu\text{W}/\text{cm}^2$
Irradiance at Peak Output Wavelength	368	335	185	-	$\mu\text{W}/\text{cm}^2$
Min Working Distance** ($< 5000 \mu\text{W}/\text{cm}^2$)	15	14	13	-	Inches
Max Working Distance** ($> 1200 \mu\text{W}/\text{cm}^2$)	26	23	21	-	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**

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

