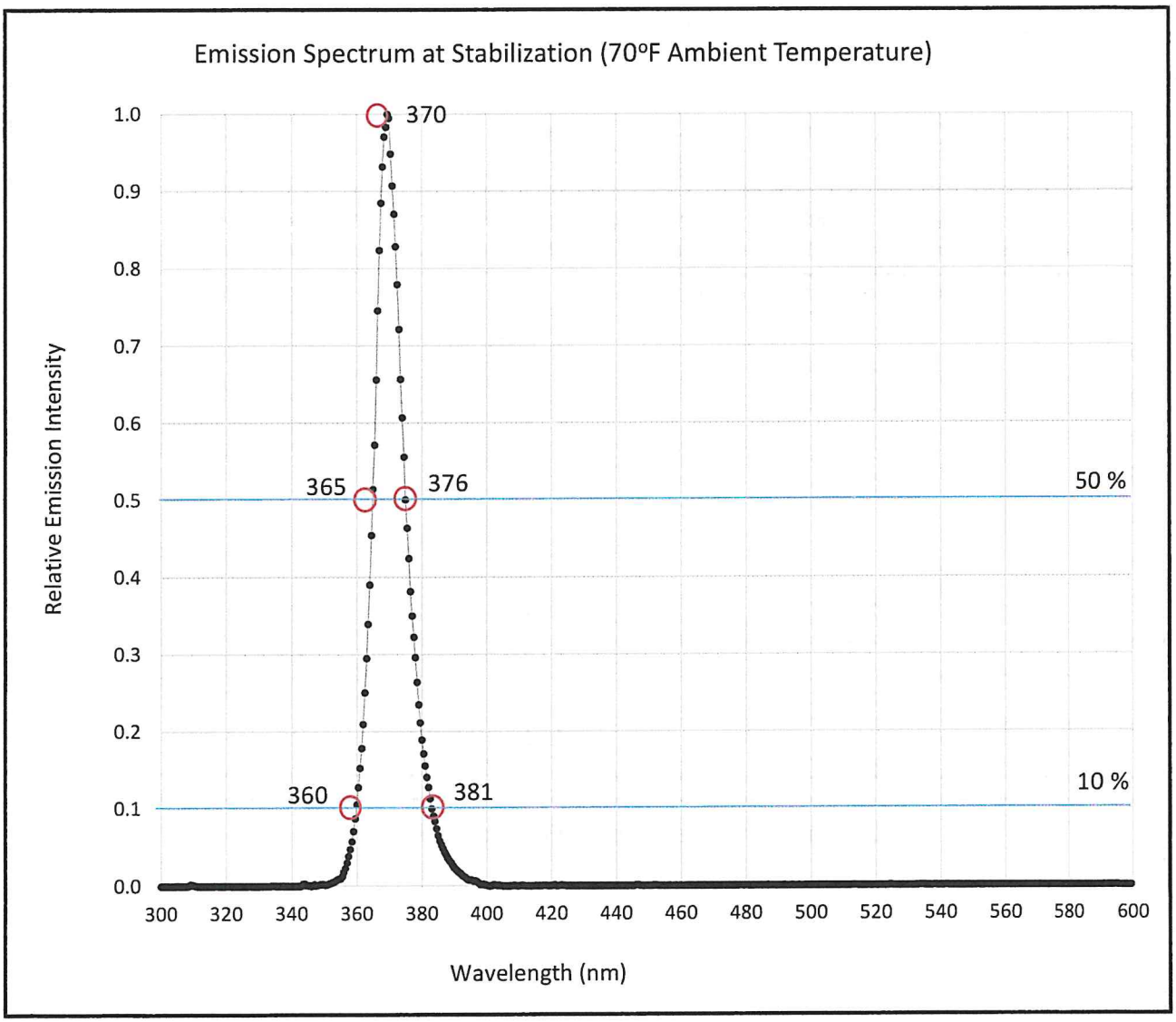
SN# 290647-07 Lamp Specific Acceptance Test

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	376	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	4029	≥ 2000	$\mu W/cm^2$



Inspector: MHP

Date of Certification: 11-22-2024

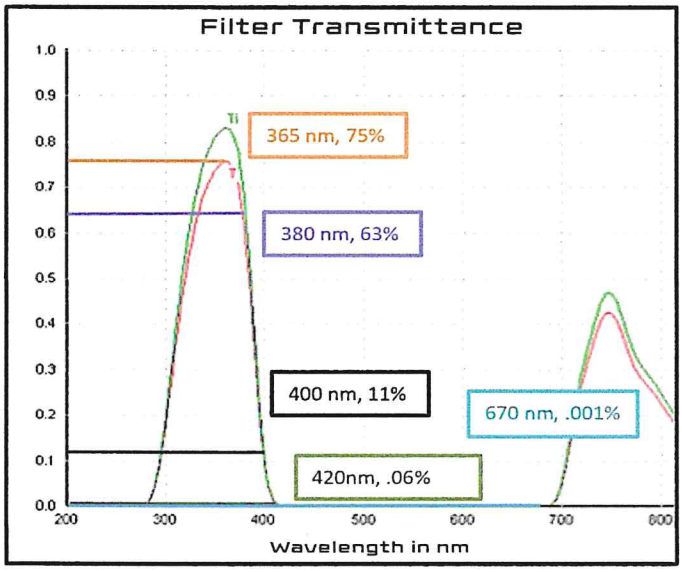
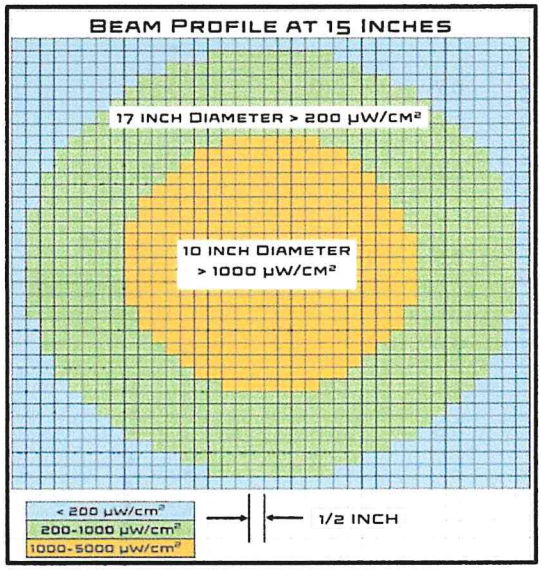
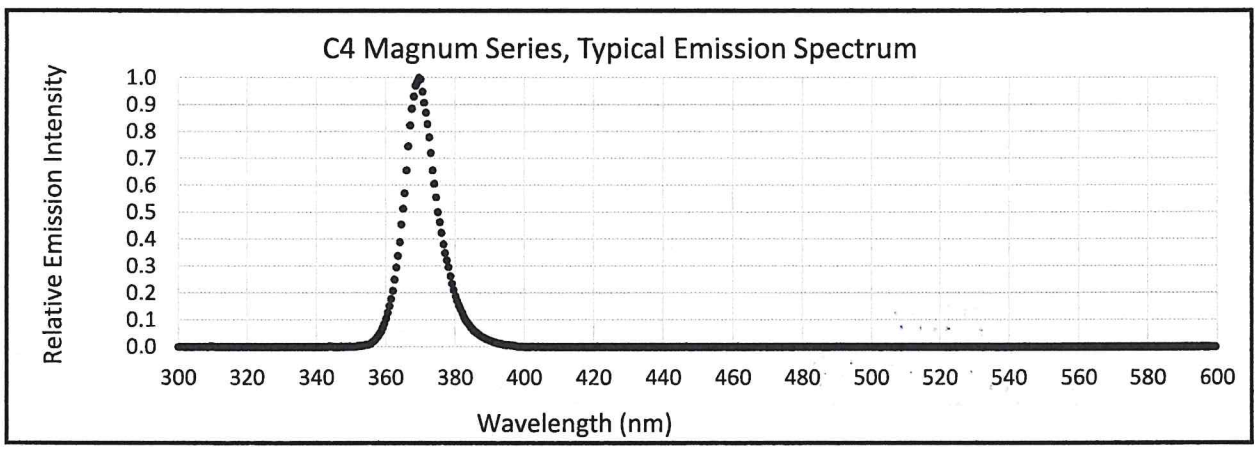
This lamp has been tested to conform to all requirements of:

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# 290647-07	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	375	376	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 µW/cm^2)	11	10	9	≥ 5	**Inch Diameter**
Max Excitation Irradiance (347-382 nm)	4,432	4,029	2,400	≥ 2,000	**µW/cm^2**
Irradiance at Peak Output Wavelength	383	348	185	-	**µW/cm^2**
Min Working Distance** (< 5000 µW/cm^2)	15	14	13	-	**Inches**
Max Working Distance** (> 1200 µW/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)*