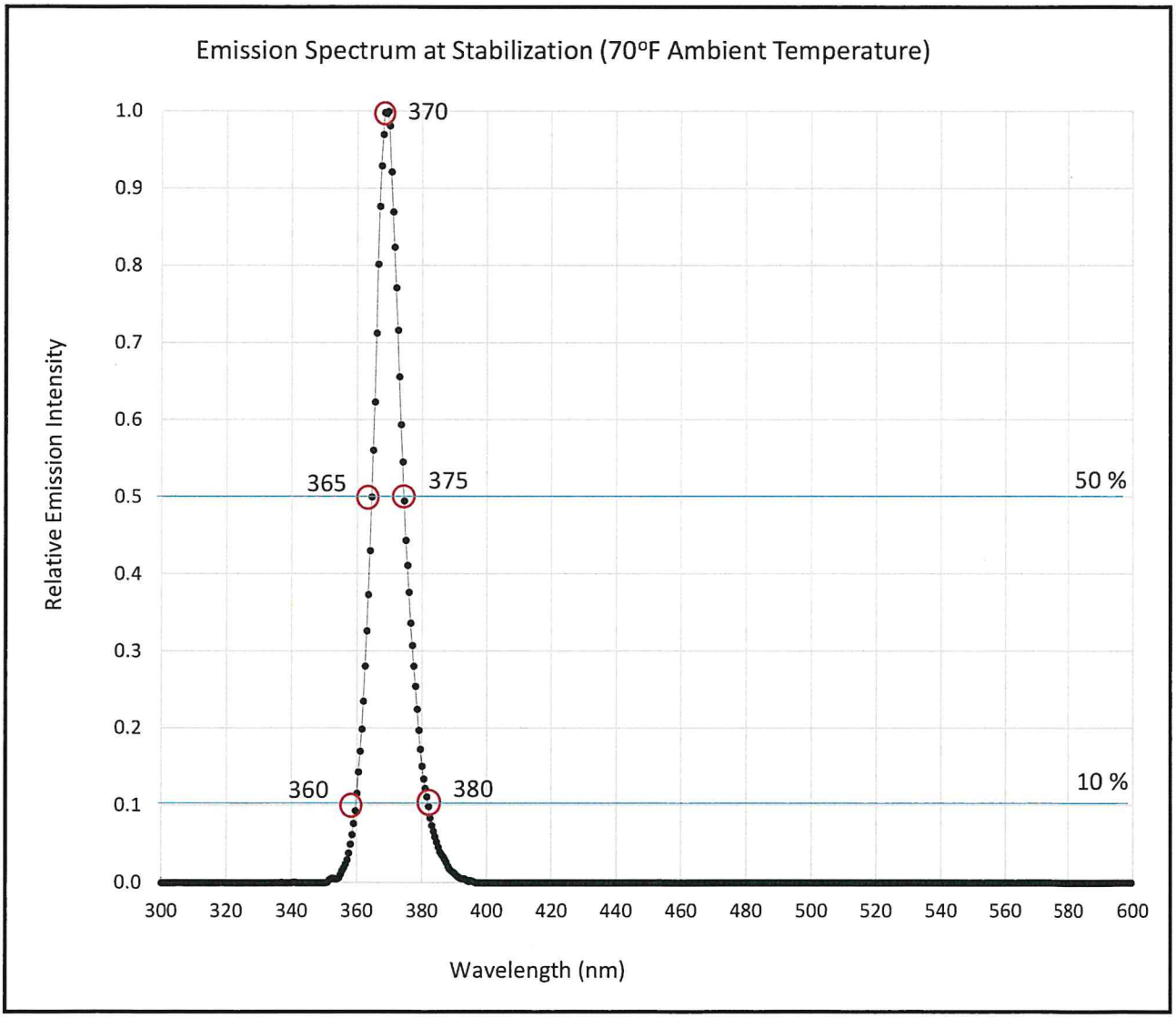
SN# 290645-15 Lamp Specific Acceptance Test

Model: Profusion	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	370 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	10 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	21 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	3931 ✓	≥ 2000	$\mu W/cm^2$



Inspector: VEP

Date of Certification: 10-14-2024

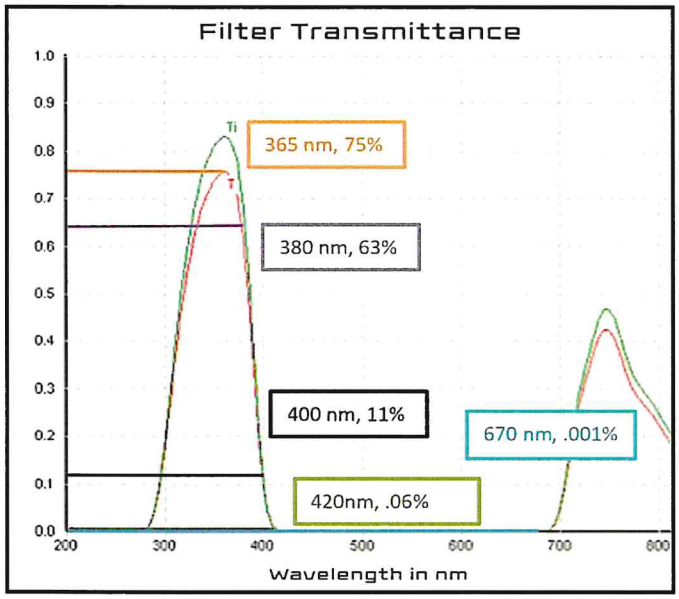
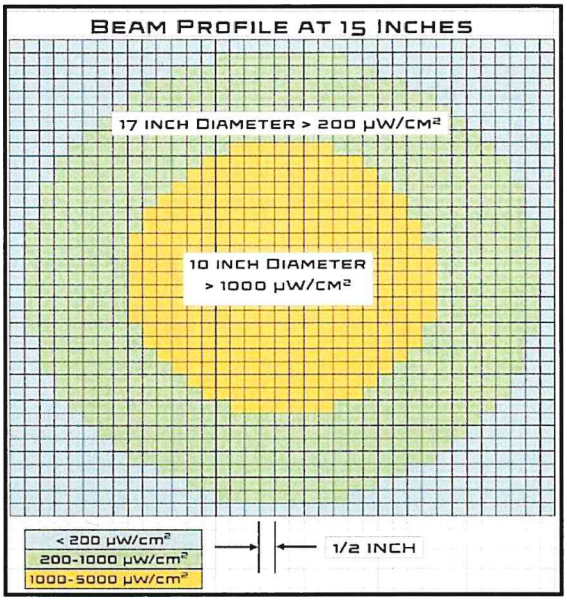
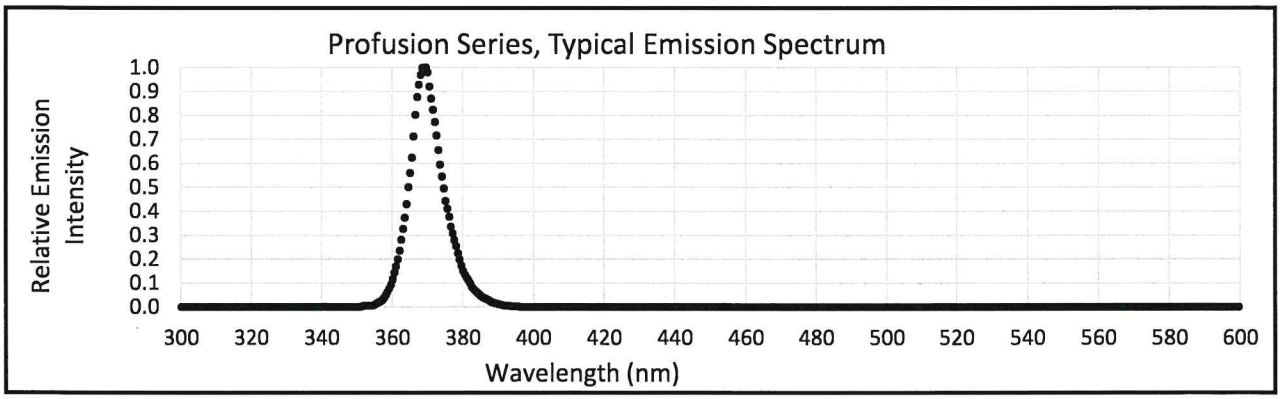
This lamp has been tested to conform to all requirements of:

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

Profusion Series, Certificate of Conformance

SN# 290645-15	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	369	370	369	365 ± 5	**nm**
Full Width Half Maximum (FWHM)	10	10	13	≤ 15	**nm**
Full Width at 10% Maximum	21	21	26	≤ 30	**nm**
Longest Wavelength at Half Maximum	374	375	376	≤ 377	**nm**
Visible Emission at 15 in	9	8	8	≤ 20	**Lux**
Visible Emission at 36 in	3	3	3	≤ 5	**Lux**
Irradiated Area at 15 in (>1000 µW/cm^2)	10	9	8	≥ 5	**Inch Diameter**
Max Excitation Irradiance (347-382 nm)	4,599	3,931	2,600	≥ 2,000	**µW/cm^2**
Irradiance at Peak Output Wavelength	405	346	210	-	**µW/cm^2**
Min Working Distance** (< 5000 µW/cm^2)	15	13	12	-	**Inches**
Max Working Distance** (> 1200 µW/cm^2)	27	25	21	-	**Inches**
Body Stabilization Temp (70°F Ambient)	-	104	-	≤ 120	**°F**
Current Ripple	9	9	9	≤ 35	**mA peak-peak**

** Tested in a **115° F** Environment, the **maximum ambient temperature where still light meets all requirements***

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