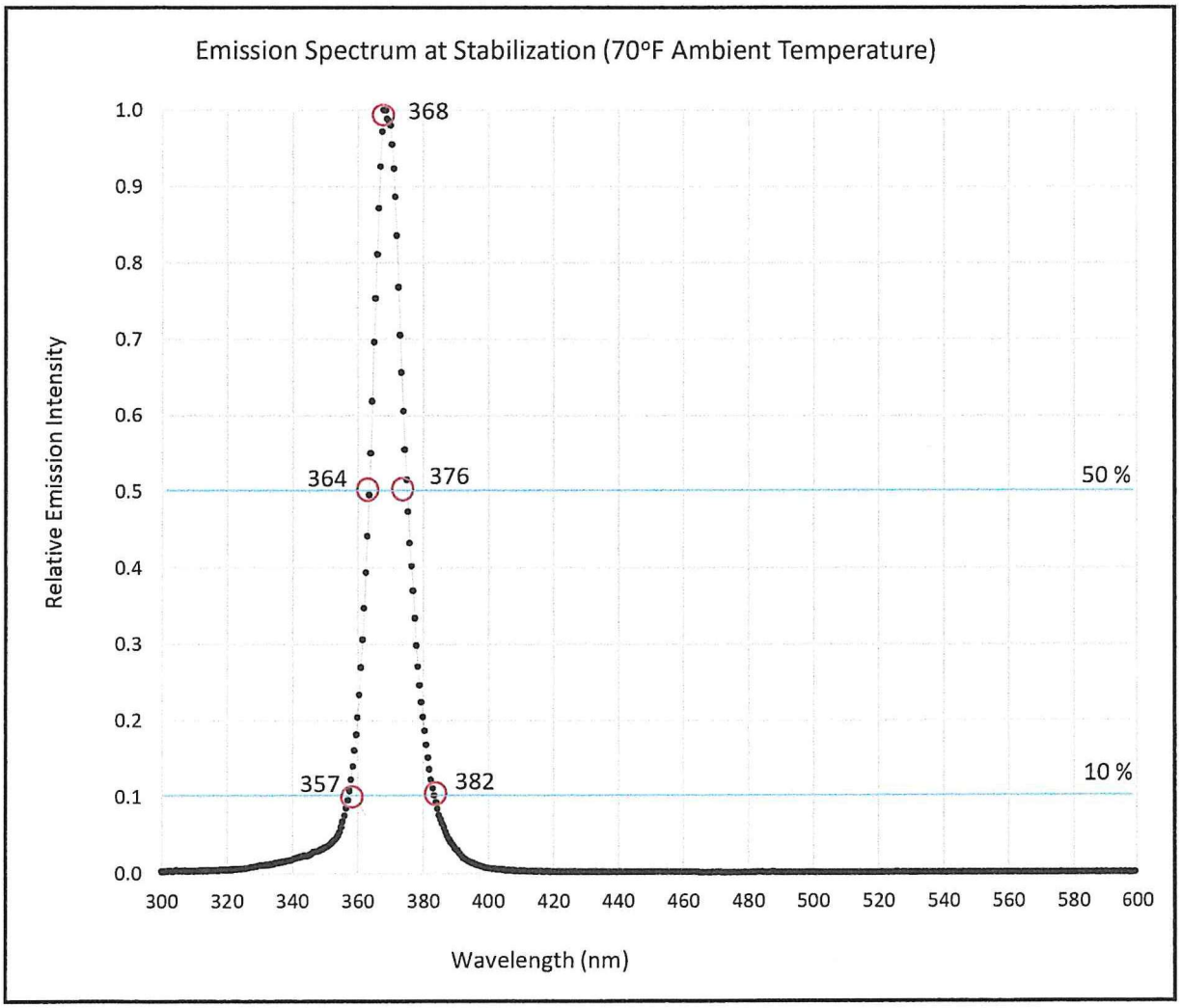
SN# 290658-03 Lamp Specific Acceptance Test

Model: Profusion XW	Result	Steady State	Acceptable	Units
Lamp Specific Acceptance Test	Pass	368	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	12	≤ 15	nm
Full Width at 10% Maximum	Pass	25	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	376	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	9,398	≥ 7,000	$\mu W/cm^2$



Inspector: MHP

Date of Certification: 12.13.2024

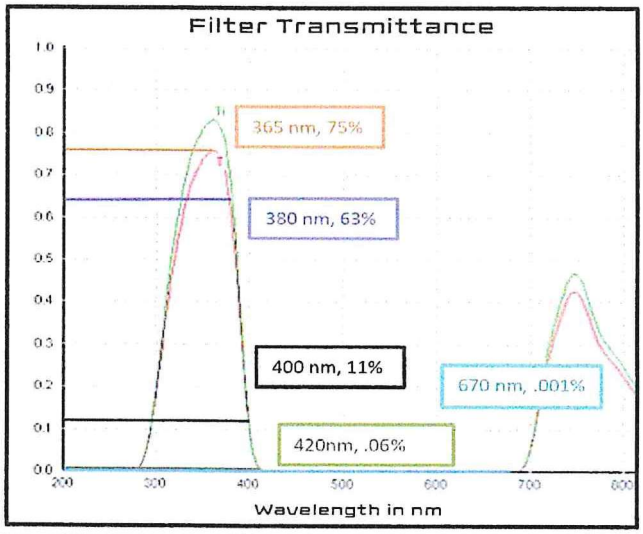
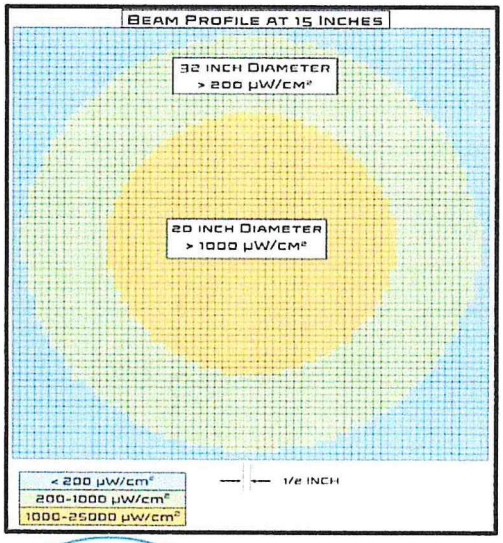
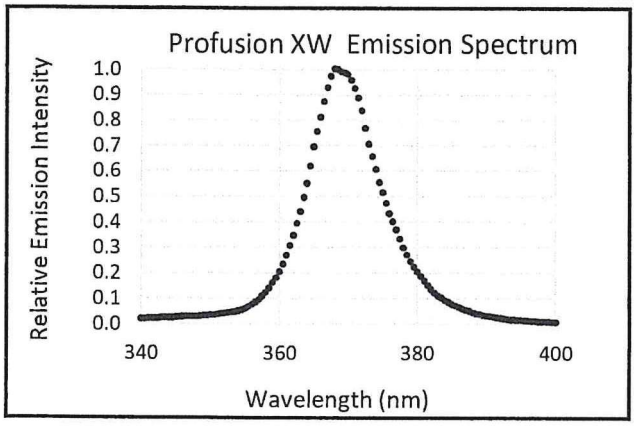
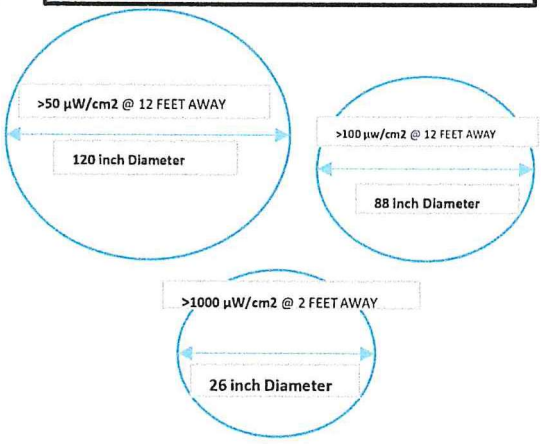
This lamp has been tested to conform to all requirements of:

ASTM E3022 ~**AITM6-1001** ~ **ISO 3059**~ **RRES 90061** ~

Emission Spectrum Measured at Stabilization Temperature with Blue-wave UV-25 S/N 22011404, Certificate Number 22011404-UV-CR2-1124

Profusion XW Series, Certificate of Conformance

SN# 290658-03	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	367	368	370	365 ± 5	nm
Full Width Half Maximum (FWHM)	12	12	13	≤ 15	nm
Full Width at 10% Maximum	25	25	27	≤ 30	nm
Longest Wavelength at Half Maximum	375	376	376	≤ 377	nm
Visible Emission	20	18	15	≤ 20	Lux
Max Excitation Irradiance (347-382 nm)	10,807	9,398	7,100	7,000	$\mu W/cm^2$
Irradiance at Peak Output Wavelength	806	701	520	-	$\mu W/cm^2$
Body Stabilization Temp (70°F Ambient)	-	92	-	≤ 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***

All testing was conducted at 24 inches from sensor unless otherwise noted