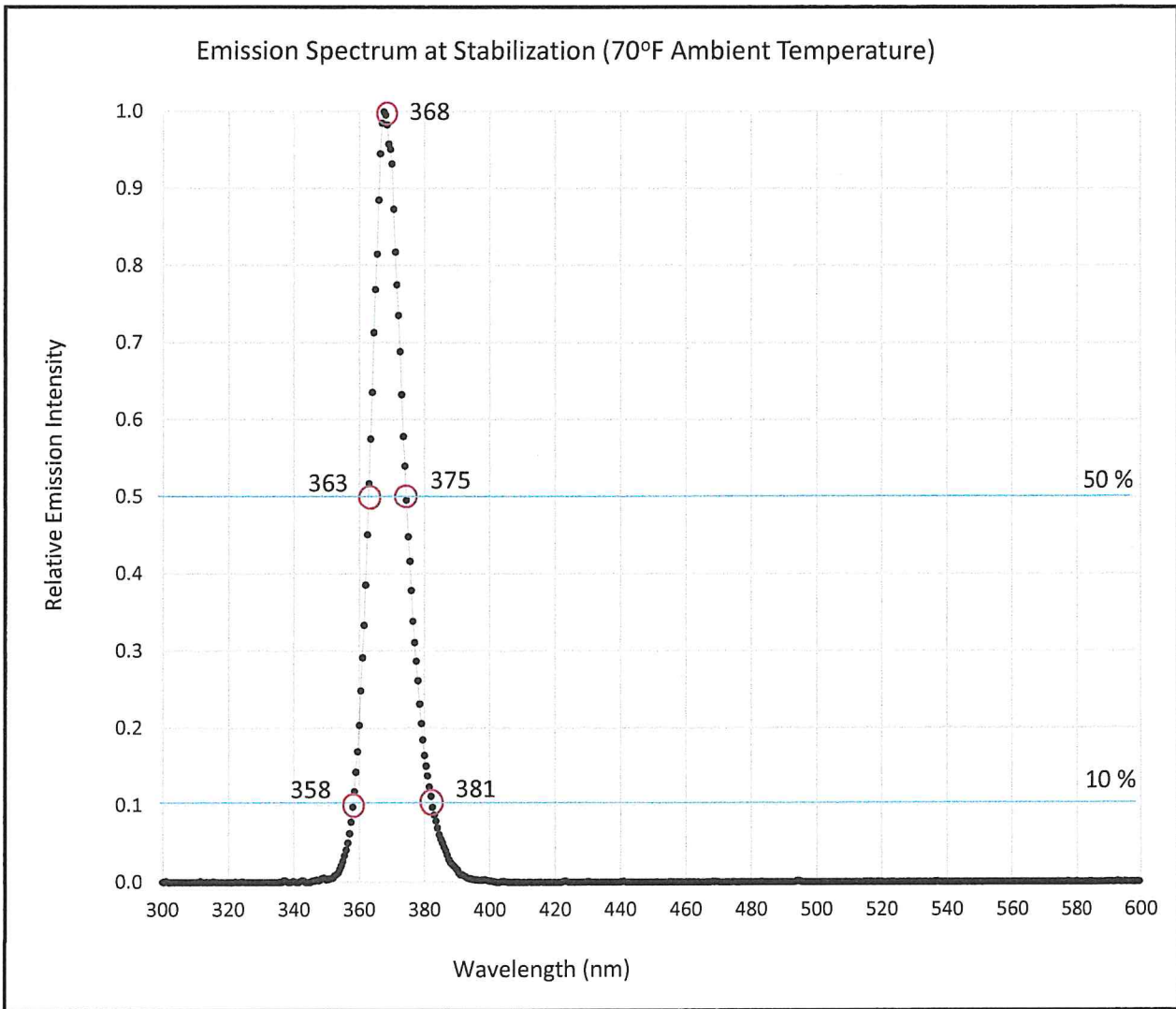


# SN# 290585-04 Lamp Specific Acceptance Test



Model: Profusion	Result	Steady State	Acceptable	Units
Peak Output Wavelength	Pass	368 ✓	365 ± 5	nm
Full Width Half Maximum (FWHM)	Pass	12 ✓	≤ 15	nm
Full Width at 10% Maximum	Pass	23 ✓	≤ 30	nm
Longest Wavelength at Half Maximum	Pass	375 ✓	≤ 377	nm
Max Excitation Irradiance (347-382 nm)	Pass	3939 ✓	≥ 2000	μW/cm <sup>2</sup>



Inspector: REP  
 Date of Certification: 6-26-2024

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# 290585-04	Switch On	Steady State	Elevated Temp*	Acceptable	Units
Peak Output Wavelength	367	368	369	365 ± 5	nm
Full Width Half Maximum (FWHM)	12	12	13	≤ 15	nm
Full Width at 10% Maximum	23	23	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 <sup>2</sup> )	10	9	8	≥ 5	Inch Diameter
Max Excitation Irradiance (347-382 nm)	4,609	3,939	2,600	≥ 2,000	μW/cm <sup>2</sup>
Irradiance at Peak Output Wavelength	363	310	210	-	μW/cm <sup>2</sup>
Min Working Distance** (< 5000 μW/cm <sup>2</sup> )	15	13	12	-	Inches
Max Working Distance** (> 1200 μW/cm <sup>2</sup> )	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)

