

NIST-TRACEABLE TEST AND MEASUREMENT SERVICES

Using the same high accuracy standards and optical instrumentation that sets us apart from the competition, Optronic Laboratories offers a full range of [NIST-traceable measurement services](#). From C.I.E 127 to LM-79 to LM-80, we can cover it all. Here is a list of the measurement services for source spectral analysis we offer:

- UV/Thermal Hazard Assessment
- Night Vision Compatibility (*MIL-STD 3009 and MIL-L-85762A*)
- Photosynthetic Active Radiation (*PAR*)
- Total Radiant Flux (W) - Total Luminous Flux (*lm*) - Total Spectral Flux (*W/nm*)
- Average Luminous Intensity (*candelas*) - Average Radiant Intensity (*watts/sr*)
- Spectral Irradiance (*W/cm²*) – Illuminance (*lm/cm²*)
- Spectral Radiance (*W/cm²/sr/nm*) – Luminance (*lm/cm²/sr*)
- Peak Wavelength - Half-Bandwidth
- Color Purity - Correlated Color Temperature
- Color Rendering Indices - Chromaticity Coordinates
- Maximum Intensity - Chromaticity Values
- Tristimulus values - Lab/Luv values
- Color Rendering Indices - Relative Power
- Peak Wavelength - Dominant Wavelength
- Half Bandwidth - Correlated Color Temperature
- External Quantum Efficiency

In addition to source spectral analysis, we also have the capability to provide the following services:

- Diffuse and Specular Reflectance
- Lumen Maintenance
- Goniometric (Intensity vs. Angle)

Contact one of our experts to discuss your specific measurement needs!