

# FDA COMPLIANCE TESTING: SUNBEDS, SUNTAN BOOTHS, & SUN LAMPS

- UV and Visible Output Measured (Spectral Irradiance)
- UVA, UVB and UVC Integrated Values Computed
- Determination of Recommended Exposure Times
- Eyewear Transmittance Measurements

Optronic Laboratories was established as an electro-optical instrumentation, radiometric standards and calibration laboratory in March 1970. Forming the nucleus of the company were two former NIST (*formerly National Bureau of Standards*) physicists who made considerable contribution to the field of radiometry and electro-optical technology. The company emphasizes precision and accuracy and has developed a reputation for its high quality work and unique capability in the measurement of optical radiation.

## **OPTRONIC LABORATORIES MEASUREMENTS ARE:**

- Recognized by the FDA, UL, and SAFE
- Performed in Accordance to FDA Guidelines (*21 CFR 1040.20*)
- Performed at your Facility or our Laboratory

## **OPTRONIC LABORATORIES TEST REPORT CONSISTS OF:**

- FDA Requirements Part 4 - Emission Characteristics
- Spectral Irradiance 200 - 710 nm  
(*both graphical plot and tabular values*)
- Irradiance Ratios UVC/UVB, UVB/UVA
- Maximum Erythemat Time,  $T_e$  (*MED*)
- Maximum Melanogenic Time,  $T_m$  (*MMD*)
- Minimal Erythemat Dose, .75 MED
- Description of Instrumentation, Standards and Uncertainties

*Please consult factory for cost of Compliance Test*

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**Information Sheet: IS07 Jan 2019**

As part of our policy of continuous product improvement, we reserve the right to change specifications at any time.