LightLab INTERNATIONAL ALLENTOWN LLC

Summary of Test Results

LightLab International Allentown, LLC report number: LLIA002775-001-R02*

Test Subject: Trifecta TF45024400307

Test Date: All testing was performed on September 22, 2025

Purpose: Spectral Irradiance measurements were made in locations across the bed surface pointed down in order to calculate average irradiance levels.

Procedure: Spectral Irradiance measurements were acquired at a central location pointed down at the bed surface as a function of time starting from room temperature. Measurements were also made in a grid of measurements at the bed surface level pointed down.

Equipment: Irradiance measurements acquired with LLIA asset #A108-Gigahertz-Optik BTS2048-VL-TEC Spectral Irradiance Meter System. Calibration date: 4/17/2025 (Gigahertz-Optik calibration certificate #2541045).

Environmental Conditions:

Measurements were taken on-site at Fox Red Light Therapy Studio's facility in Totowa, NJ. Test subjects were measured in typical operating environmental conditions on available wall electrical power except when noted in the data section of this report.

Prepared For:
Spectra Red Light
531 Maple Street
Millerstown, PA 17062, USA

*This test report supersedes report number LLIA002775-001-R01. Corrections were made to the stated operating power levels on page 3 and revisions were made to the presented test data.

The laboratory has not participated in the selection of samples to be tested. All testing is performed on the understanding that the significance of the report is limited to the extent that the test sample is representative of production units. Prorating the performance of the sample for the use of other component combinations (such as lamp / LED / Ballast / driver), or for use in different environmental conditions than that tested, may produce erroneous results. This report is free of erasures and corrections.

Michael L. Grather
Digitally signed by Michael L. Grather
Date: 2025.10.29 13:52:36 -04'00'

Report Date: 10/29/2025

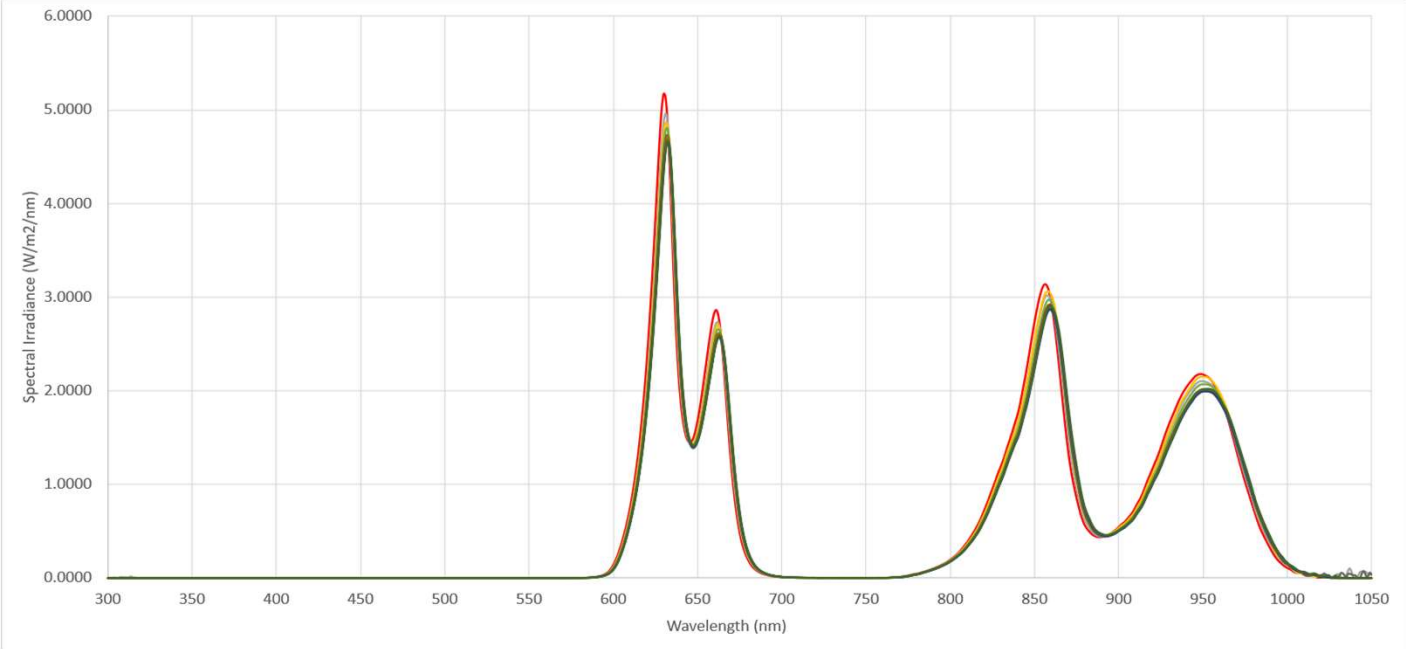
Summary Report Template V1-1

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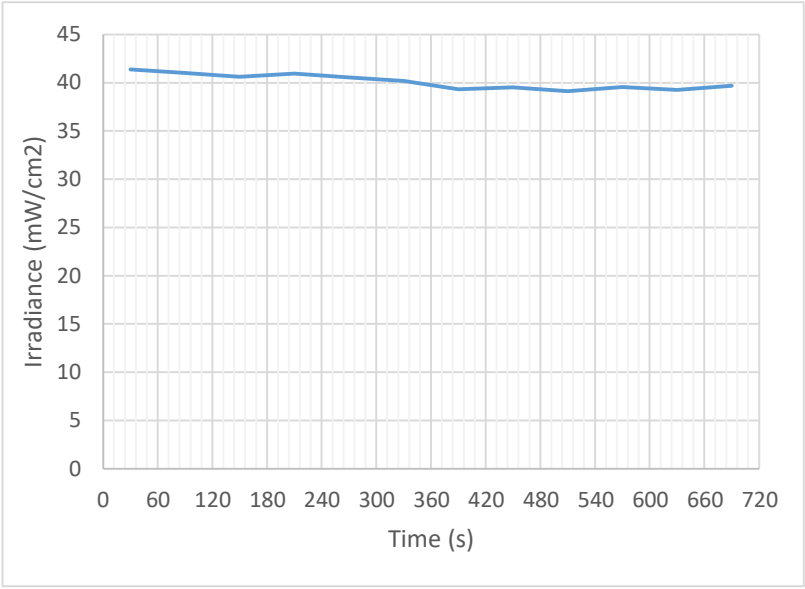
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Stabilization from Power-On. Spectral Irradiance (300nm-1050nm) was measured in a central location at the height of the clear bed surface over a period of 12 minutes.

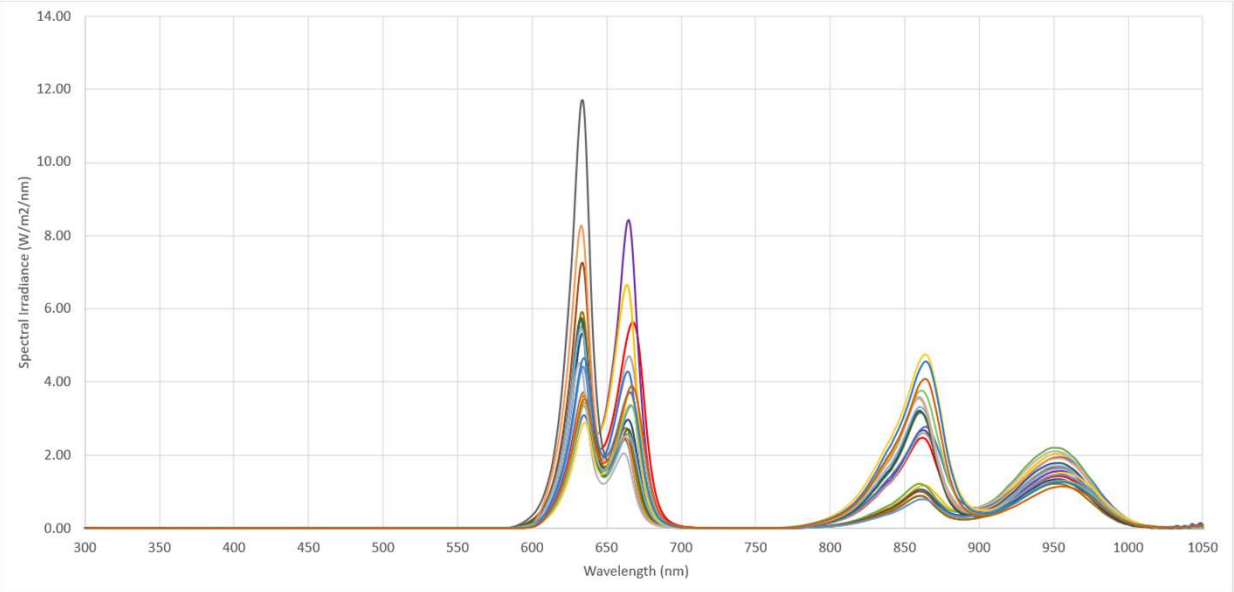


Time (s)	Irradiance (mW/cm2)	Time (s)	Irradiance (mW/cm2)
30	41.41	630	39.25
90	41.02	690	39.70
150	40.63		
210	40.96		
270	40.56		
330	40.17		
390	39.31		
450	39.51		
510	39.13		
570	39.55		



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Spectral Irradiance (300nm-1050nm) was measured in 20 locations pointing down at the height of the clear bed surface to evaluate the irradiance from the bed LEDs on a person laying in the bed.



Irradiance Measurements (300-1050nm) (mW/cm2)				
40.89	46.98	39.80	39.93	40.87
28.84	40.11	34.35	32.31	35.57
38.31	39.11	40.97	48.37	41.88
41.88	46.42	39.79	29.87	44.75

Maximum: 48.37 mW/cm2
Minimum: 28.84 mW/cm2
Average: 39.22 mW/cm2

Note: Bed irradiance values were measured with the lid open, bed and lid power level set to 85%, 528Hz pulsed Output (typical use).