



THE EPPLEY LABORATORY, INC.

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Calibration Certificate

Instrument: Eppley PSP Pyranometer #35149F3

Procedure: This pyranometer was compared in Eppley's Integrating Hemisphere at approximately $500\text{-}600 \text{ Wm}^{-2}$ and a temperature of $23 \pm 2 \text{ }^\circ\text{C}$ according to procedures described in *ISO 9847:1992 Section 5.3.1* and Technical Procedure, TP01 of The Eppley Laboratory, Inc.'s Quality Assurance Manual on Calibrations. The results relate only to the items tested, calibrated or sampled.

Calibration Results: **Sensitivity: $S = 8.15 \mu\text{V} / \text{Wm}^{-2}$**
Uncertainty: $U_{95} = \pm 1.05\%$ (95% confidence level, $k=2$)
Resistance: 727Ω at 23°C

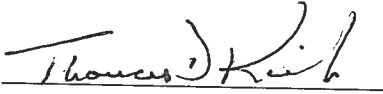
Date of Test: November 30, 2023

Transfer Standard: Eppley SPP Pyranometer #37501F3
which was calibrated against Eppley AHF Radiometer 14915 and Eppley 8-48 Pyranometer #29508 according to procedures described in ISO 9846:2023 between March 29 and May 1, 2023 with the Irradiance range of $459\text{-}978 \text{ Wm}^{-2}$, temperature range of $3\text{-}16 \text{ }^\circ\text{C}$ and a Solar Elevation range of $28\text{-}64^\circ$.

Traceability: This calibration is traceable to the World Radiation Reference (WRR) through comparisons with Eppley's AHF standard self-calibrating cavity pyrhemometers which participated in the Thirteenth International Pyrheliometric Comparisons (IPC XIII) at Davos, Switzerland in September-October 2021. Unless otherwise stated in the remarks section below or on the Sales Order, the results of this calibration are "AS FOUND / AS LEFT".

Due Date: Eppley recommends a minimum calibration cycle of five (5) years but encourages annual calibrations for highest measurement accuracy.

Customer: URI
Narragansett, RI

In Charge of Test: 

Eppley SO: 68138

Date of Certificate: December 4, 2023

Remarks: