

Certificate of Compliance  
and Conformance  
(NIST Traceable)



Calibration Mark: 00191-PRI-07

**Device:**

*Spektroradiometer Model PR-650, S/N 60961402*

This is to certify that the subject instrument was calibrated and tested at BFiOPTILAS GmbH on this date, using a working Standard and other instruments whose accuracies are traceable to the National Institute of Standards and Technology (N.I.S.T.).

**Working Standard:**

Luminance Lamp: LRS-462 S/N 99406049  
Colorimetric coordinates :  $x = 0,4498$   $y = 0,4119$  CCT = 2856 K  
( for a Luminance: 100 fl / 342,6 cd/m<sup>2</sup> )

Calibrated by Photo Research traceable to N.I.S.T.

Primary Source of Calibration:

Model No. FEL S/N: F343 N.I.S.T. Report No. 844/273080-06

The instrument was found to be within its rated accuracy of  $\pm 4\%$  of Luminance/Radinance readings and within  $\pm 0,001$  for CIE 1931 xy chromaticity coordinates when measuring a blackbody source at 2856 K

The spectral wavelength uncertainty (accuracy) of the instrument is less than  $\pm 2$  nm

Aperture	Luminance of the source 100,06 fl
	MS-75
1°	1,001 e+002 fl 2857 K $x = 0,4497$ $y = 0,4118$
	FP-650
1°	1,000 e+002 fl 2858 K $x = 0,4496$ $y = 0,4117$
	MS-2.5X
1°	1,001 e+002 fl 2858 K $x = 0,4496$ $y = 0,4117$

09.05.2007

Calibration Date

**Bfi OPTILAS GmbH**

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Authorized Signature  
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