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Spectroradiometric Measurement of Optical Radiation Sources

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This Technical Report provides basic measurement principles and practical guidance on spectroradiometry of optical radiation sources in the ultraviolet, visible and near-infrared regions of the electromagnetic spectrum in the wavelength range from 200 nm to 2 500 nm.

The document primarily deals with spectral measurements of irradiance, radiance, radiant intensity, radiant flux and derivative quantities. The document provides a detailed overview of relevant terminology and basic measurement principles, including those for instrument calibration. It provides practical guidance for identifying, understanding and quantifying relevant measurement uncertainty components.

This document replaces [CIE 063-1984](#). Additional details on measurement principles not covered in this document can be found in [CIE 214:2014](#).

The document is written in English, with a short summary in French and German. It consists of 94 pages with 41 figures and 3 tables and is readily available from the [CIE Webshop](#) or from the National Committees of the CIE.

The price of this publication is EUR 162,- (Members of a [National Committee of the CIE](#) receive a 66,7 % discount on this price – please approach your NC for information on accessing this discount).