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CIE Classification System of Illuminance and Luminance Meters

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The properties of illuminance meters and luminance meters are characterized by a number of selected quality indices defined in ISO/CIE 19476:2014 “Characterization of the Performance of Illuminance Meters and Luminance Meters”, previously published as CIE S 023:2013. This Technical Report summarizes existing national and regional classification systems of illuminance meters and luminance meters and recommends a CIE classification system. Like existing systems, the proposed CIE classification system is based on limit values for the different indices; but differently to all existing systems, the uncertainty of the determination of the quality indices is explicitly considered in the classification. In the annex some application-related requirements are recommended that should be considered where appropriate. The CIE classification system attributes a class to each quality index from 4* down to 1*, where 4* is the best quality. The lowest class of all quality indices specifies the class of the instrument. It is the first internationally agreed classification system for photometric measurement devices.

The publication is written in English, with a short summary in French and German. It consists of 42 pages with 7 figures and 18 tables and is readily available from the [CIE Webshop](#) or from the National Committees of the CIE.

The price of this publication is EUR 135,- (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).