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Paper, board and pulps — Measurement of diffuse blue reflectance factor —

Part 2: Outdoor daylight conditions (D65 brightness)

*Papier, carton et pâtes — Mesurage du facteur de réflectance diffuse
dans le bleu —*

*Partie 2: Conditions de lumière du jour extérieure (degré de blancheur
D65)*



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Foreword

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The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 2470-2 was prepared by Technical Committee ISO/TC 6, *Paper, board and pulps*.

ISO 2470 consists of the following parts, under the general title *Paper, board and pulps — Measurement of diffuse blue reflectance factor*:

- *Part 1: Indoor daylight conditions (ISO brightness)*
- *Part 2: Outdoor daylight conditions (D65 brightness)*

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Introduction

The reflectance factor (radiance factor) depends on the conditions of measurement, particularly the spectral and geometric characteristics of the instrument used. This part of ISO 2470 should therefore be read in conjunction with ISO 2469, which defines the geometric characteristics of the instrument and also defines the photometric calibration procedure to be adopted.

The radiance factor of fluorescent materials, for which this property is most interesting, is also dependent on the ultraviolet (UV content) of the illumination falling upon the sample. This part of ISO 2470 should therefore be read in conjunction with ISO 11475, which describes the procedure for adjusting the UV content in this type of instrument to match the CIE standard illuminant D65.

It is important to ensure that the property defined in this part of ISO 2470 is not confused with the property known as ISO brightness, which is determined under conditions corresponding to the CIE-illuminant C, where the UV content is much lower, approximating UV levels encountered in indoor viewing conditions.