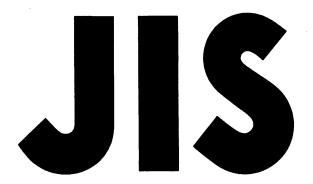
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JAPANESE INDUSTRIAL STANDARD

Determination of ISO Colour Contribution Index (ISO/CCI) of Camera Lenses

JIS B 7097-1986

Translated and Published

by

Japanese Standards Association

Translation without guarantee
In the event of any doubt arising, the original standard in Japanese is to be evidence

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JIS

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Determination of ISO Colour Contribution B 7097-1986 Index (ISO/CCI) of Camera Lenses

1. Scope

This standard specifies a method for determining the colour contribution of camera lenses, hereinafter referred to as the "lens", according to the ISO Colour Contribution Index (ISO/CCI).

2. Definitions

For the purpose of this standard, the terms defined in JIS Z 8105, JIS Z 8113, JIS Z 8120 and JIS Z 8720, and the following apply.

- colour contribution index Index for the estimation of the degree to which a lens will change the overall colour of a colour photograph relative to that obtained with no lens in the system. This is indicated by a set of three numbers corresponding to three colours; blue, green and red.
- (2) ISO colour contribution index Colour contribution index calculated according to the method specified in this standard.

Symbol: ISO/CCI

(3) photographic response The response of a photographic film to radiant flux transmitted by the lens, represented by the following formula:

$$R = \int_{\lambda_1}^{\lambda_2} S_{\lambda} (\lambda) \tau (\lambda) s (\lambda) d\lambda$$

where

R: photographic response

 $S_{\lambda}(\lambda)$: spectral distribution of the radiant flux

 $_{\tau}(\lambda)$: axial spectral transmittance of the lens

 $s(\lambda)$: spectral sensitivity of the film

 λ : wavelength

 $\lambda_1 \circ \lambda_2$: wavelength region over which the film is sensitive

Applicable Standards and Corresponding International Standard: See page 12.