

ABSTRACT

Discharge lamp and illumination instrument for general illumination

A discharge lamp and an illumination instrument for general illumination which is able to reproduce a preferable skin color of Japanese women by an illumination light, in relation to the skin test color of Japanese women, which is important for general illumination, and is characterized in that, when the color point of the skin test color No.15 for calculating the color rendering index according to JIS Z 8726-1990 under the light of the discharge lamp is converted to the color point under the standard illuminant CIE D65 using the CIE chromatic adaptation equation, the color point is in the elliptical region of which the major axis is 0.0068, the minor axis is 0.0037 and the inclination from the u' axis is 40° , centering around $(u', v') = (0.2425, 0.4895)$ on the CIE 1976 $u'v'$ chromaticity diagram.

Fig. 1 to accompany abstract when published

05 JUN 1995