



COMMISSION INTERNATIONALE DE L'ECLAIRAGE
INTERNATIONAL COMMISSION ON ILLUMINATION
INTERNATIONALE BELEUCHTUNGSKOMMISSION

PRESS RELEASE

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CIE Standard S 019/E:2006 Photocarcinogenesis Action Spectrum (Non-Melanoma Skin Cancers)

Solar ultraviolet radiation is recognized as a major cause of non-melanoma skin cancer in man. Skin cancer occurs most frequently in the most heavily exposed areas and correlates with degree of outdoor exposure. Describing the relationship of exposure (dose) to risk (skin cancer) requires the availability of a biological hazard function or *action spectrum* for photocarcinogenesis. This standard proposes the adoption of an action spectrum (weighting function) derived from experimental laboratory data and modified to estimate the non-melanoma tumor response in human skin. The experimental data are sufficient for estimating effectiveness down to about 250 nm, but experimental data are not sufficient for specifying effectiveness above 400 nm.

This standard has been approved by CIE National Committees. It may be obtained from the CIE National Committees or via the website of the Central Bureau of the CIE (www.cie.co.at).

Price of this standard: EUR 28,- (Members of CIE National Committees get 50% discount).