



International Commission on Illumination
Commission Internationale de l'Eclairage
Internationale Beleuchtungskommission

PRESS RELEASE

February 2019

Road Lighting Calculations, 2nd Edition

CIE 140:2019

ISBN 978-3-902842-56-5

DOI: 10.25039/TR.140.2019

This report is a revision and update of CIE Publication 140-2000 *Road Lighting Calculations*. It replaces CIE 140-2000. In comparison to the previous edition, clauses in this report are corrected and improved where necessary, taking into account recent CIE publications. Values of luminous intensity are generally not per kilolumen, taking into account LED luminaires. The calculation of the threshold increment (TI) is improved and the previous calculation formula is corrected. The edge illuminance ratio (EIR) is introduced, replacing the surround ratio (SR), previously used. The linear interpolation method is accepted as satisfactory for application both in l-tables as well as r-tables. A new Test Data clause is prepared to provide a standard set of input data for testing purposes together with benchmark results of the calculated lighting quality criteria of road lighting installations.

The publication is written in English, with a short summary in French and German. It consists of 39 pages with 19 figures and eight tables and is readily available from the [CIE Webshop](#) or from the National Committees of the CIE.

The price of this publication is EUR 120,- (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).