



**CSA C653:18**  
National Standard of Canada  
*(reaffirmed 2024)*



## **Photometric performance of roadway and street lighting luminaires**



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***December 2018***

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*Published in December 2018 by CSA Group  
A not-for-profit private sector organization  
178 Rexdale Boulevard, Toronto, Ontario, Canada M9W 1R3*

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*ICS 29.140.40, 93.080.40  
ISBN 978-1-4883-1834-4*

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# Preface

This is the fifth edition of CSA C653, *Photometric performance of roadway and street lighting luminaires*. It supersedes the previous editions published in 2013, 2008, 1994, and 1992.

This Standard establishes the minimum performance requirements for roadway and street lighting luminaires.

The requirements of this Standard are in addition to those specified in *Canadian Electrical Code, Part I*; CSA C22.2 No. 250.0, *Luminaires*; and CAN/CSA-C22.2 NO. 250.13, *Light emitting diodes (LEDs) equipment for lighting applications*.

The major change to this edition includes updating the maximum UPD levels.

This Standard is considered suitable for use for conformity assessment within the stated scope of the Standard.

CSA acknowledges that the development of this Standard was made possible, in part, by the financial support of BC Hydro, the Canadian Electricity Association, Hydro-Québec, Manitoba Hydro, Natural Resources Canada, and the Ontario Ministry of Energy.

This Standard was prepared by the Subcommittee on Roadway and Street Lighting Luminaires, under the jurisdiction of the Technical Committee on the Performance of Lighting Products and the Strategic Steering Committee on Performance, Energy Efficiency, and Renewables, and has been formally approved by the Technical Committee. This Standard has been developed in compliance with Standards Council of Canada requirements for National Standards of Canada. It has been published as a National Standard of Canada by CSA Group.

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