

**An ergonomic evaluation of Cairo street Lighting convenience.
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Abstract:

Proper street lighting design requires a certain amount of information and data necessary for lighting designers as standard criteria which could not be reached at least for lighting of the Egyptian streets. The appropriate lighting data would enable designers to achieve a convenient level of car and pedestrian safety. Poor lighting may result in a lot of risks and incidents referred to by a number of previous studies. This study adopts a case study approach. It has assessed lighting implements and fixtures in a random sample of one of the main roads of Cairo that extends for more than 40 kilometers, the Nile Corniche. At the same time, an experiment has been carried out to measure, classify and evaluate the lighting levels in the selected sample. The study aimed to identify the suitability of existing lighting for human use for both drivers and passers-by.

The study is an attempt to provide standards of appropriate lighting levels to be applied when designing lighting units deployed in the road.