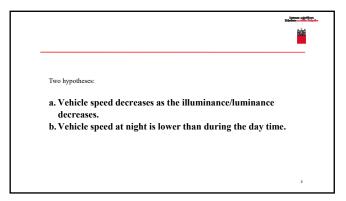
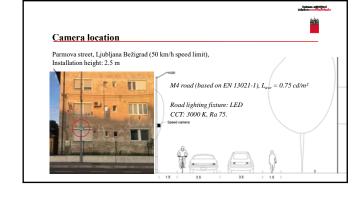
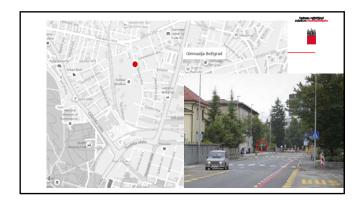
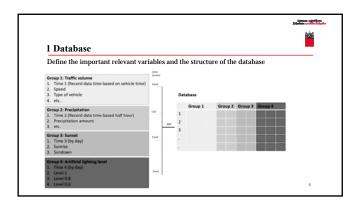
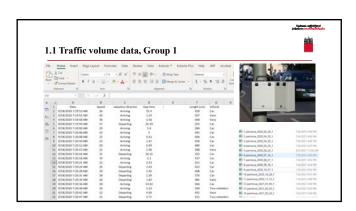
Unincate, o fainfaffand Enforthein san dielle einemen
Relationship between lighting levels and vehicle speed in the urban area of Ljubljana
Lanlan Wei, Matej Bernard Kobav, Grega Bizjak
University of Ljubljana
October 2021

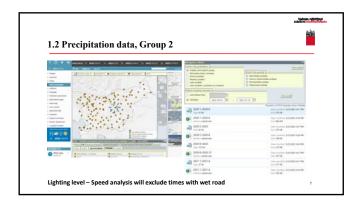


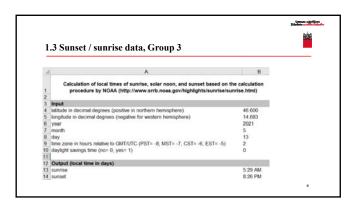


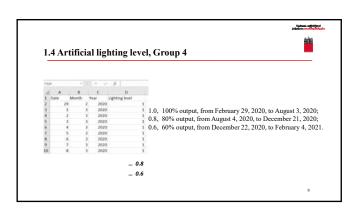


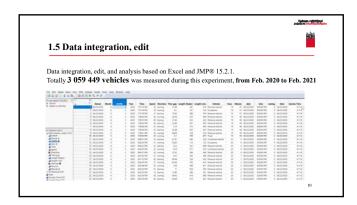


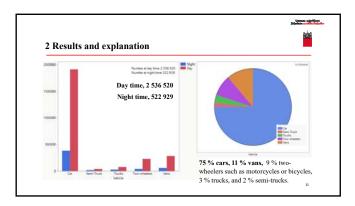


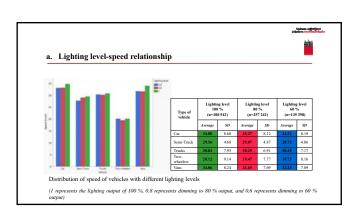


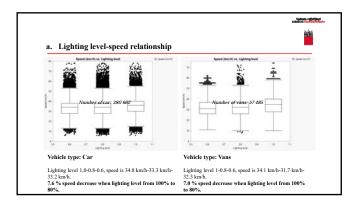


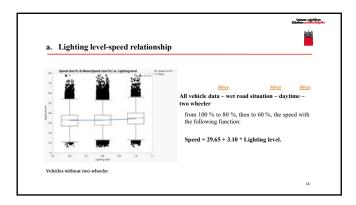


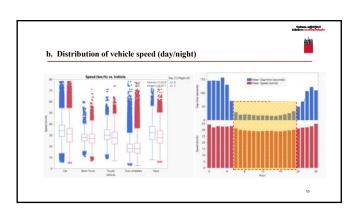


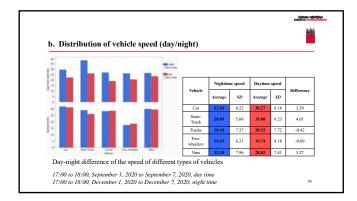












Taktor 26-foles

Summary

- a. Decrease of the illuminance/luminance will affect the vehicle speed. The effect is more noticeable when the lighting level is reduced from 100 % to 80 % (from $L_{\rm avc}=0.75$ cd/m² to $L_{\rm avc}=0.60$ cd/m²) as when the lighting level is reduced from 80 % to 60 % (from $L_{\rm avc}=0.60$ cd/m² to $L_{\rm avc}=0.45$ cd/m²).
- b. The speed during the day is lower than the speed during the night, because the volume of traffic is lower and the distance between vehicles is larger at night.

17

Tahum agterpart yeledate meditasi tuda

Thank you

Laboratory of Lighting and Photometry Faculty of Electrical Engineering University of Ljubljana

Lanlan Wci, lanlan.wei@fe.uni-lj.si Matej Bernard Kobav, matej.kobav@fe.uni-lj.si Grega Bizjak, grega.bizjak@fe.uni-lj.si

October 2021