# How much visual field loss can you tolerate on the road? Impact of central and peripheral scotomas on road hazard localization



References [1] Wolfe, B. et al., J. Exp. Psychol. (2020) [2] Song, J., Kosovicheva, A., Wolfe, B., *Behav Res* (2024).



# What's the relation between gaze strategy and scotoma type?

# Gaze strategy in the foveal scotoma task







### Gaze strategy in the peripheral scotoma task



## Hazard detection in road scenes is highly resistant to visual field loss

Either central or peripheral vision alone can support hazard detection

Drivers adopt different strategies to cope with what they can't see

**Acknowledgments** We thank Louisianne Saldagna for her help. This work was funded by a National Science and Engineering Research Council grant awarded to Benjamin Wolfe (RGPIN-2021-02730).

