

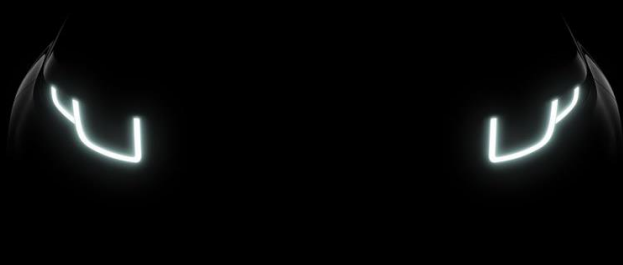


# VEHICLE INTERIORS AND AMBIENT ILLUMINATION

Lighting & Transportation

Department for Business, Innovation  
and Skills, London

30<sup>th</sup> April 2015



# OVERVIEW

- Vehicle interior lighting
- Vehicle interiors in daylight conditions
- In-vehicle displays under dynamic skies
- Future vehicle interior evaluations



# VEHICLE INTERIOR LIGHTING





## VEHICLE INTERIORS IN DAYLIGHT CONDITIONS

- Colour matching
- Distracting & disabling reflections
- Display readability



## IN-VEHICLE DISPLAYS

- Display of safety critical information
- Driver task management
- Driver distraction/glance time
- Introduction to new technology e.g. Holographic HUDs, Augmented reality, Mirror replacement displays etc.







*WHY NOT JUST TEST OUTSIDE?*



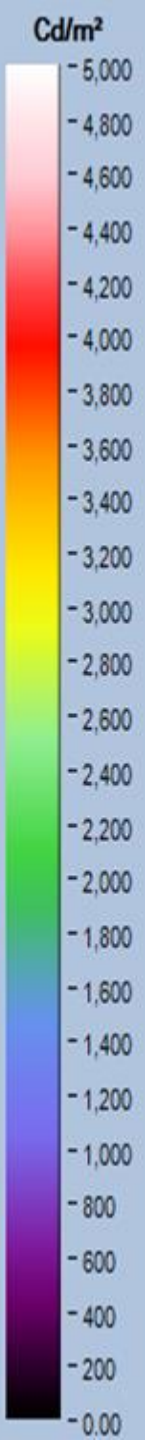
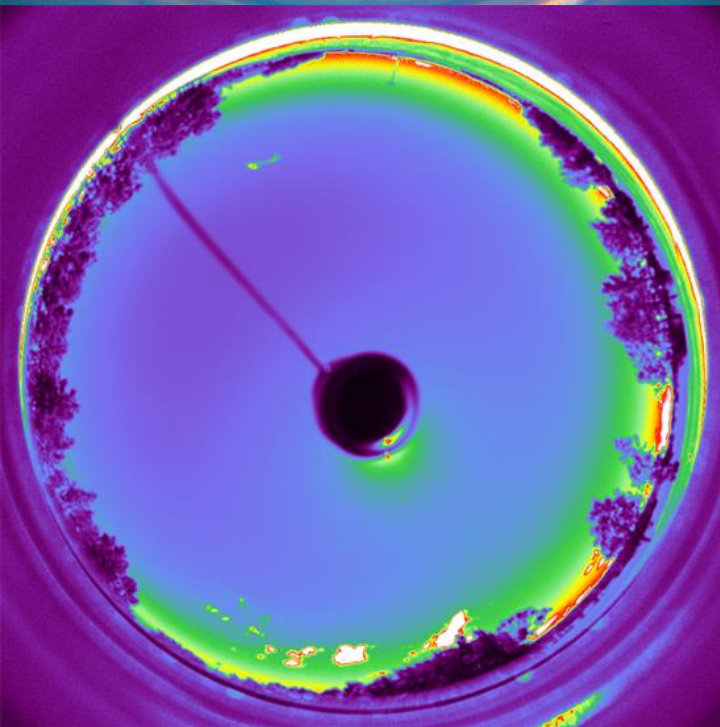
*WHY NOT JUST TEST OUTSIDE?*

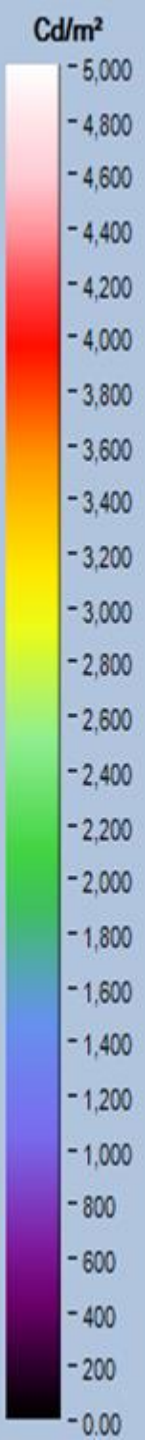
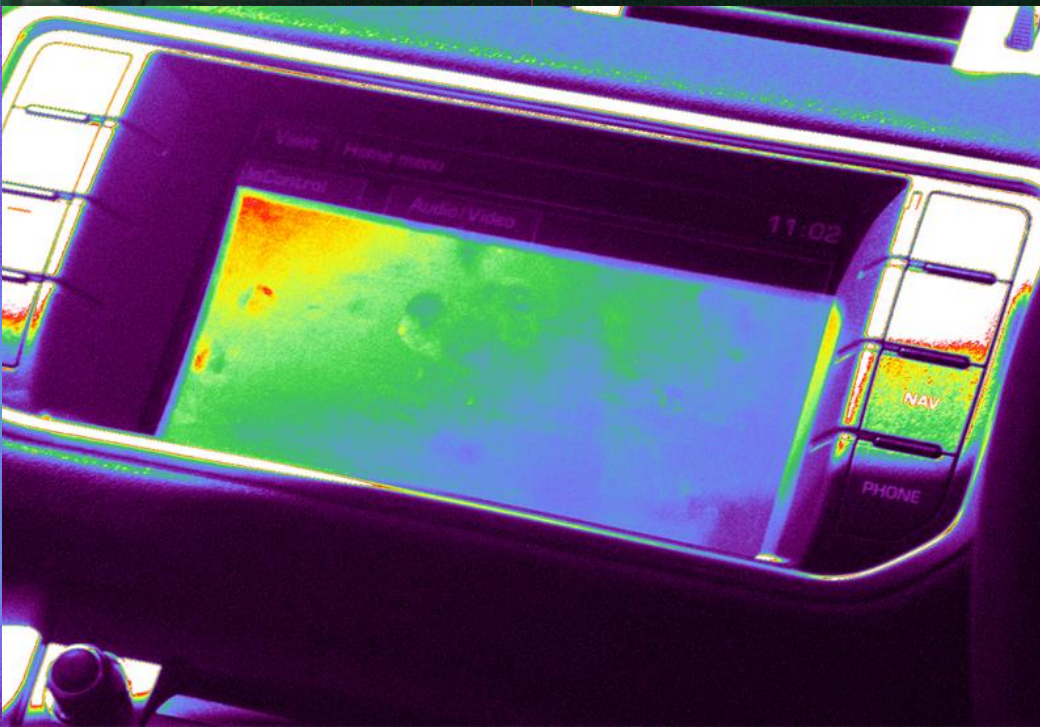
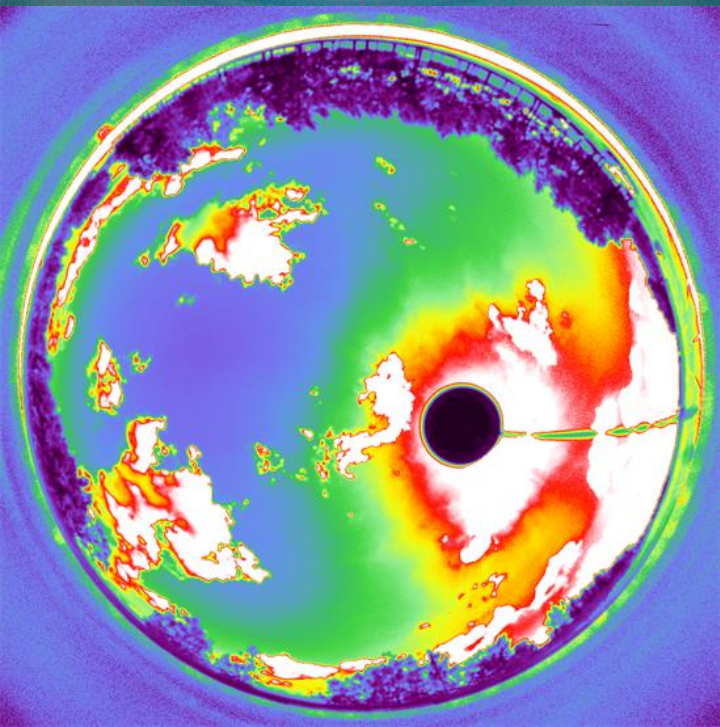


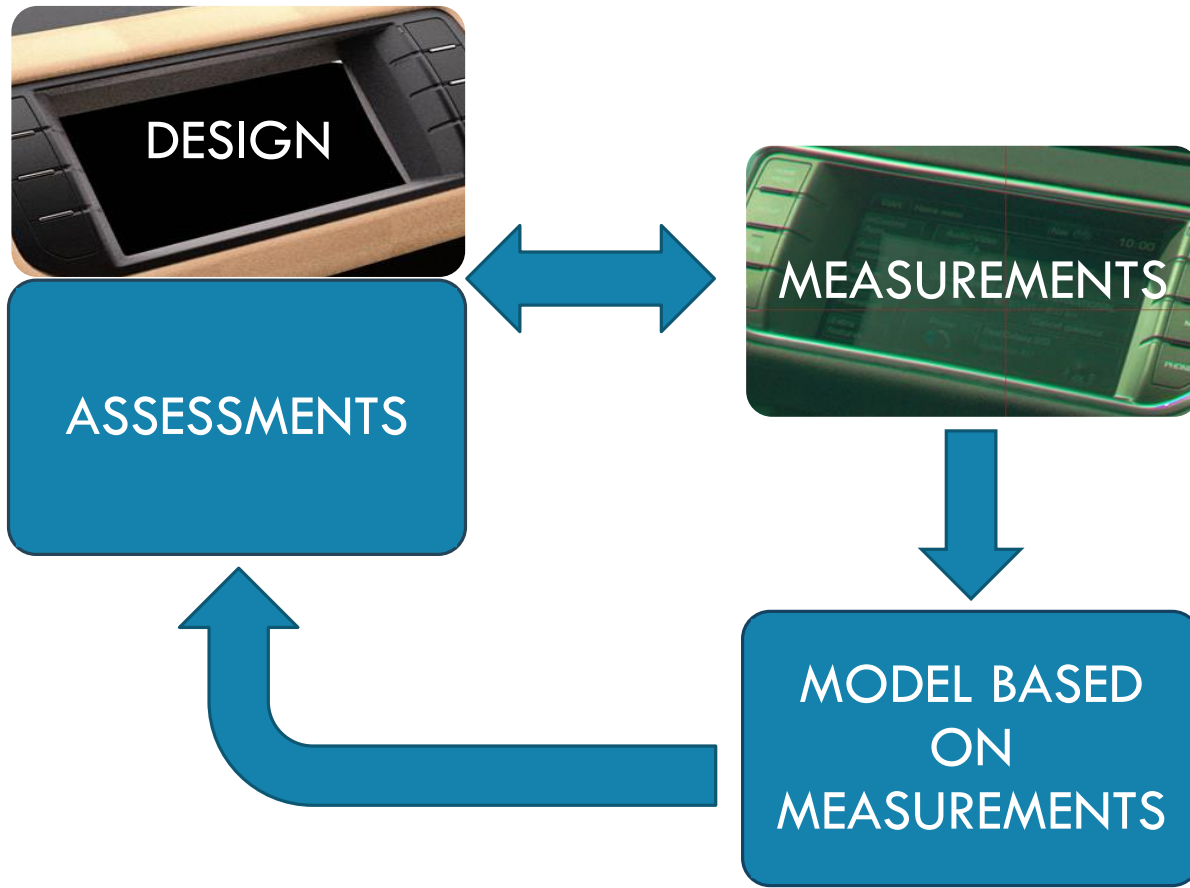


# IN-VEHICLE DISPLAYS UNDER DYNAMIC SKIES

Australia,  
January 2015

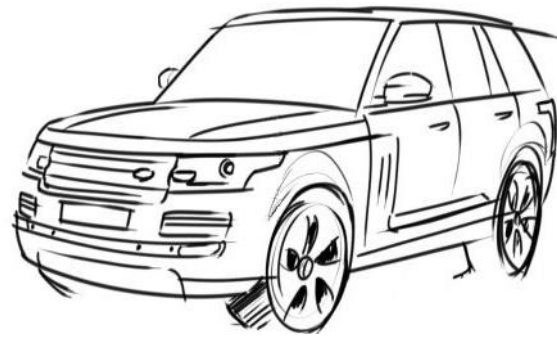






# FUTURE VEHICLE INTERIOR EVALUATIONS

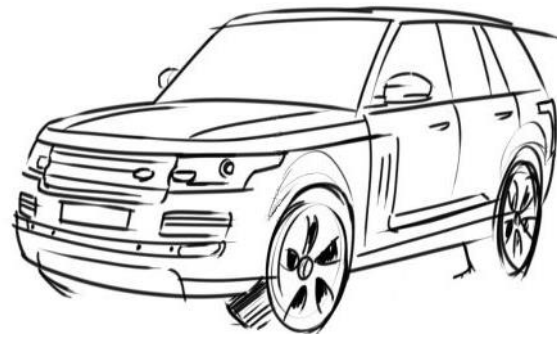




# FUTURE VEHICLE INTERIOR EVALUATIONS

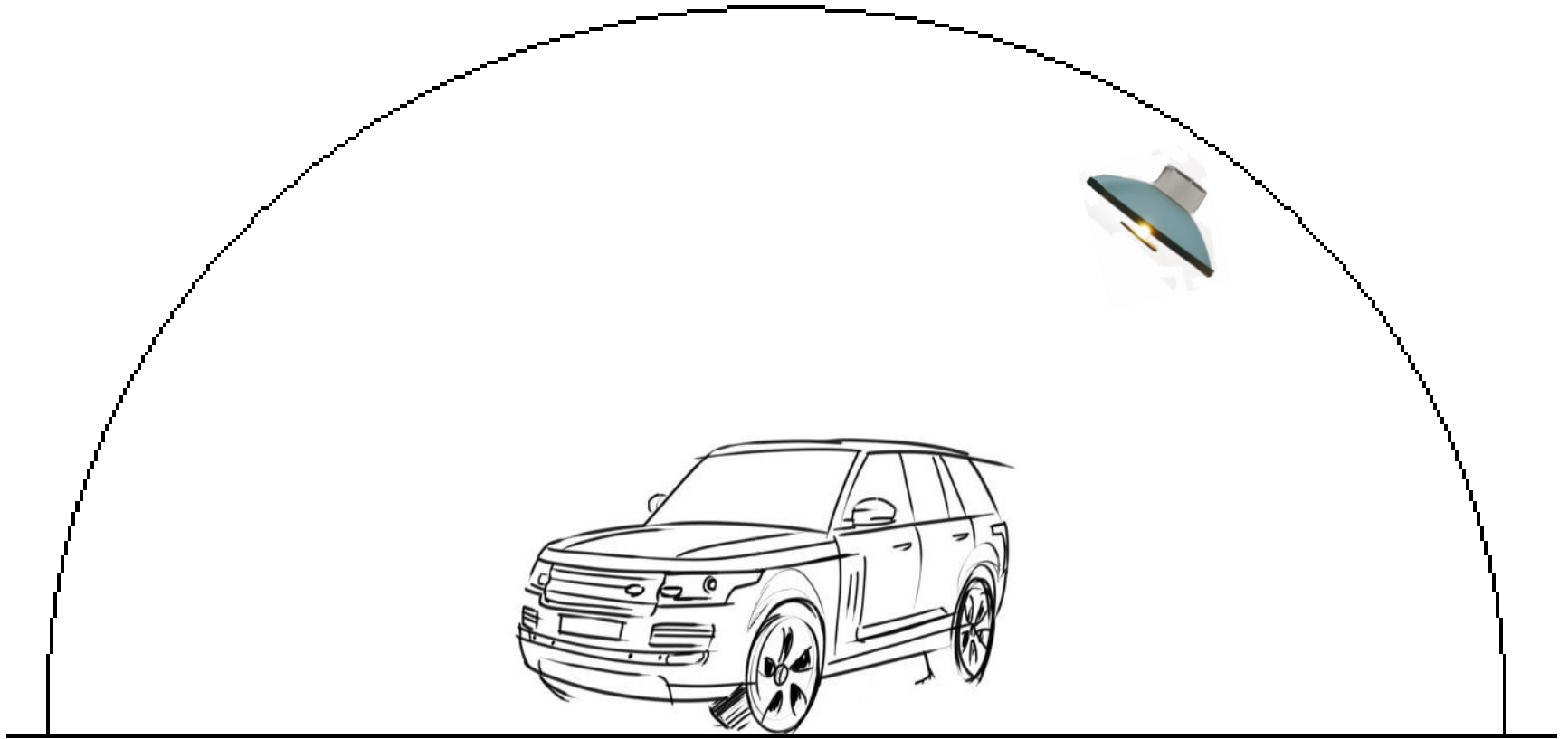
Physical





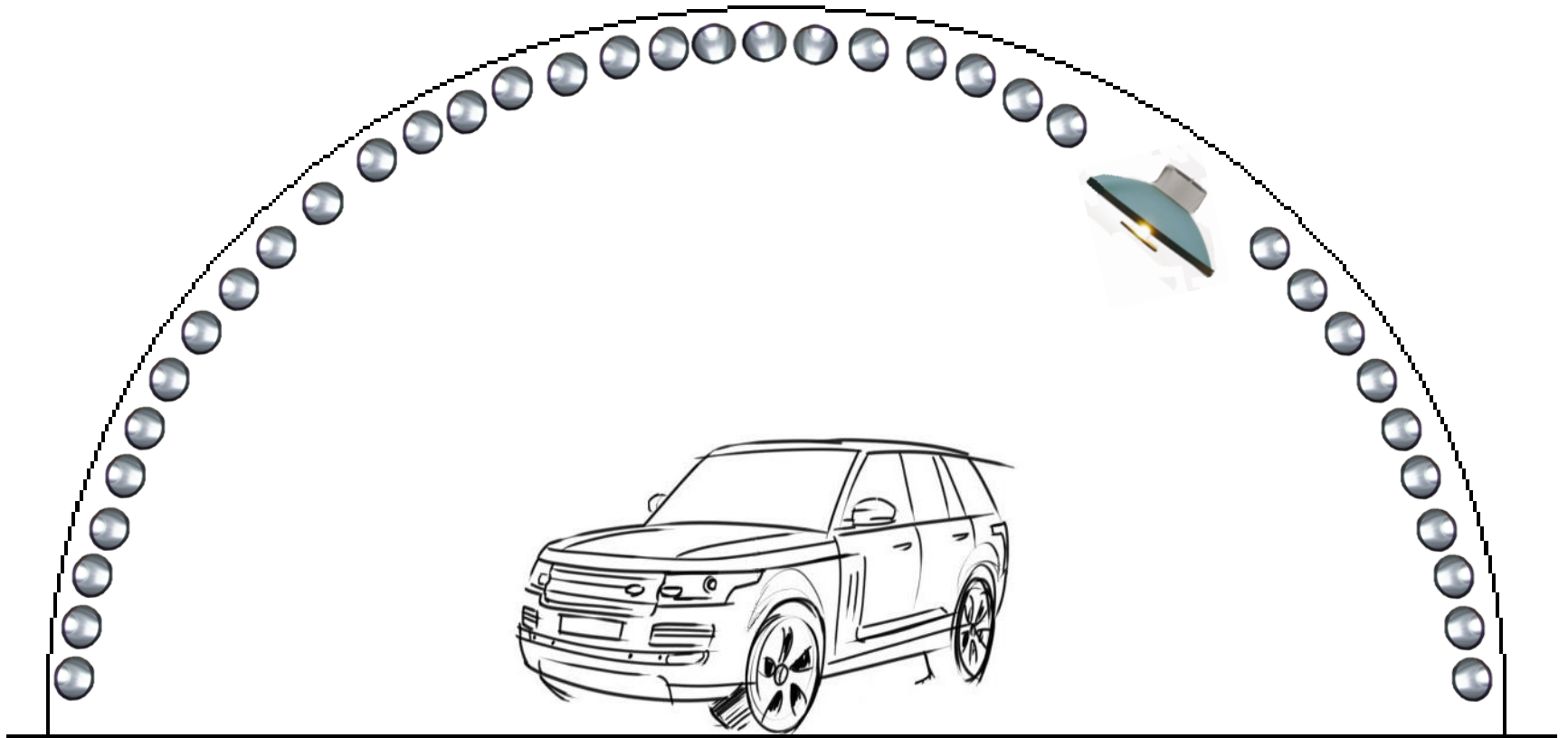
# FUTURE VEHICLE INTERIOR EVALUATIONS

Physical



# FUTURE VEHICLE INTERIOR EVALUATIONS

Physical



# FUTURE VEHICLE INTERIOR EVALUATIONS

Physical

# SUMMARY

- Vehicle interior lighting
- Vehicle interiors in daylight conditions
- In-vehicle displays under dynamic skies
- Future vehicle interior evaluations

Claire White

*EngD Research Engineer*

WMG

University Of Warwick

Coventry

CV4 7AL

[c.l.white@warwick.ac.uk](mailto:c.l.white@warwick.ac.uk)

<http://go.warwick.ac.uk/ep/pg/wmrlad>

