

# HDR LIGHTBOXES AS A NEW COMMUNICATION MEDIUM FOR EXHIBITION ARCHITECTURE



TECHNISCHE  
UNIVERSITÄT  
DARMSTADT

Fachbereich Architektur  
Fachgebiet  
Klassische Archäologie

**Darmstädter Stiftung für  
Technologietransfer**



INSTITUTE FOR  
SPACE REPRESENTATION

Frankfurt am Main

Oliver B. Hauck  
Andreas Noback



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DARMSTADT

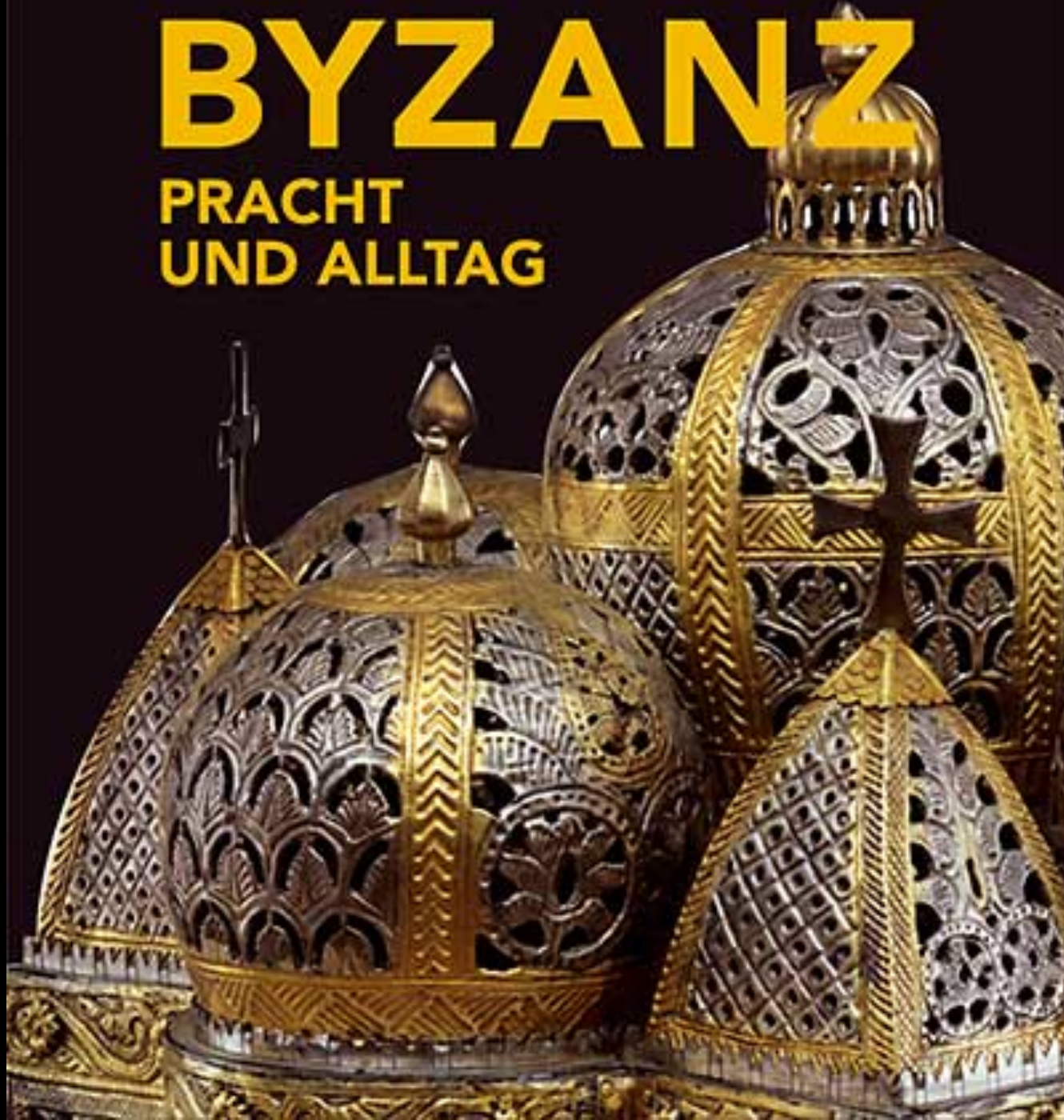
Fachbereich Architektur  
Fachgebiet Klassische Archäologie



Franz-und-Eva-Rutzen-Stiftung

# BYZANZ

PRACHT  
UND ALLTAG



BUNDESKUNSTHALLE.DE

KUNST- UND AUSSTELLUNGSHALLE DER BUNDESREPUBLIK DEUTSCHLAND

INSTITUT FÜR RAUMDARSTELLUNG

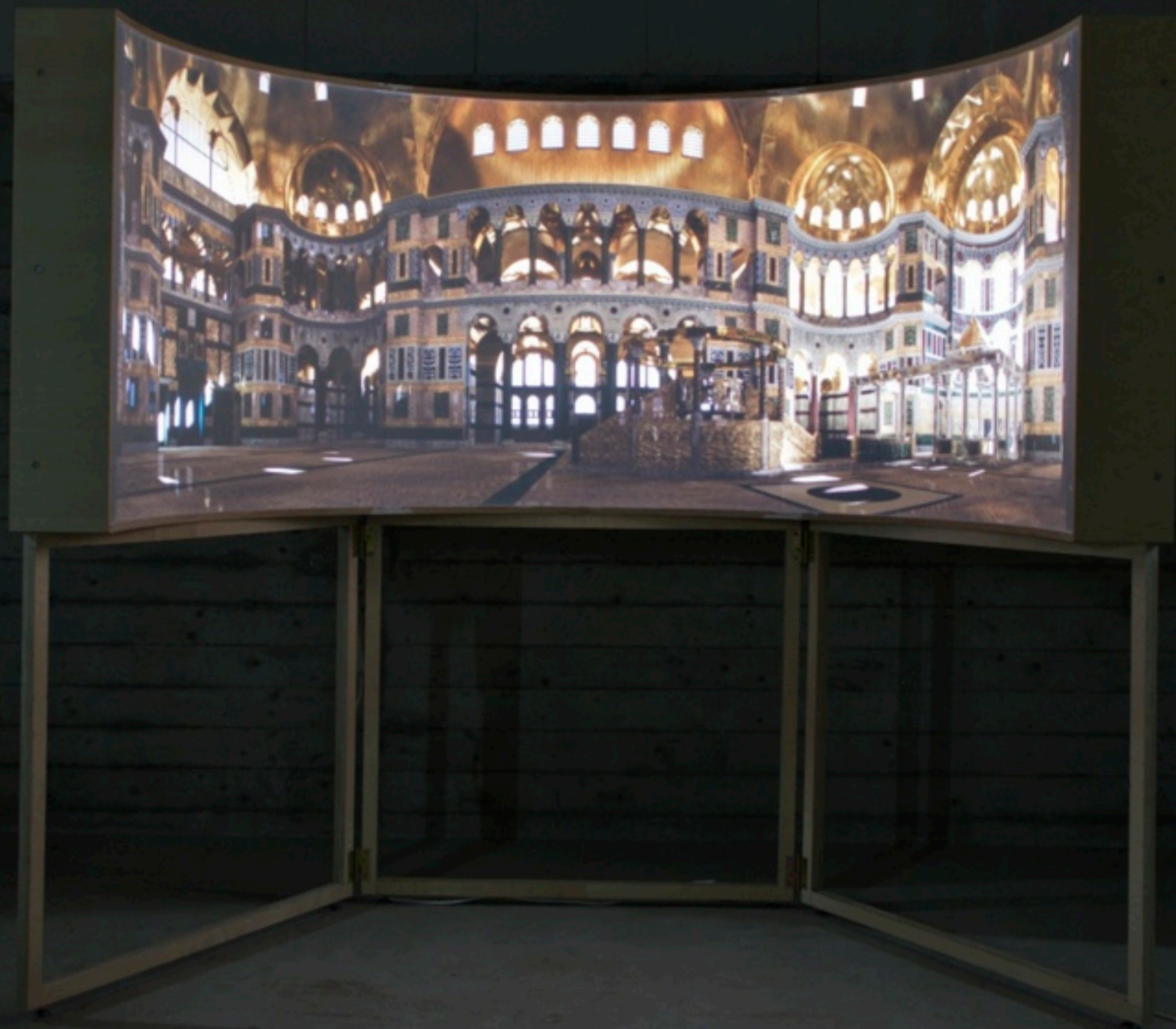




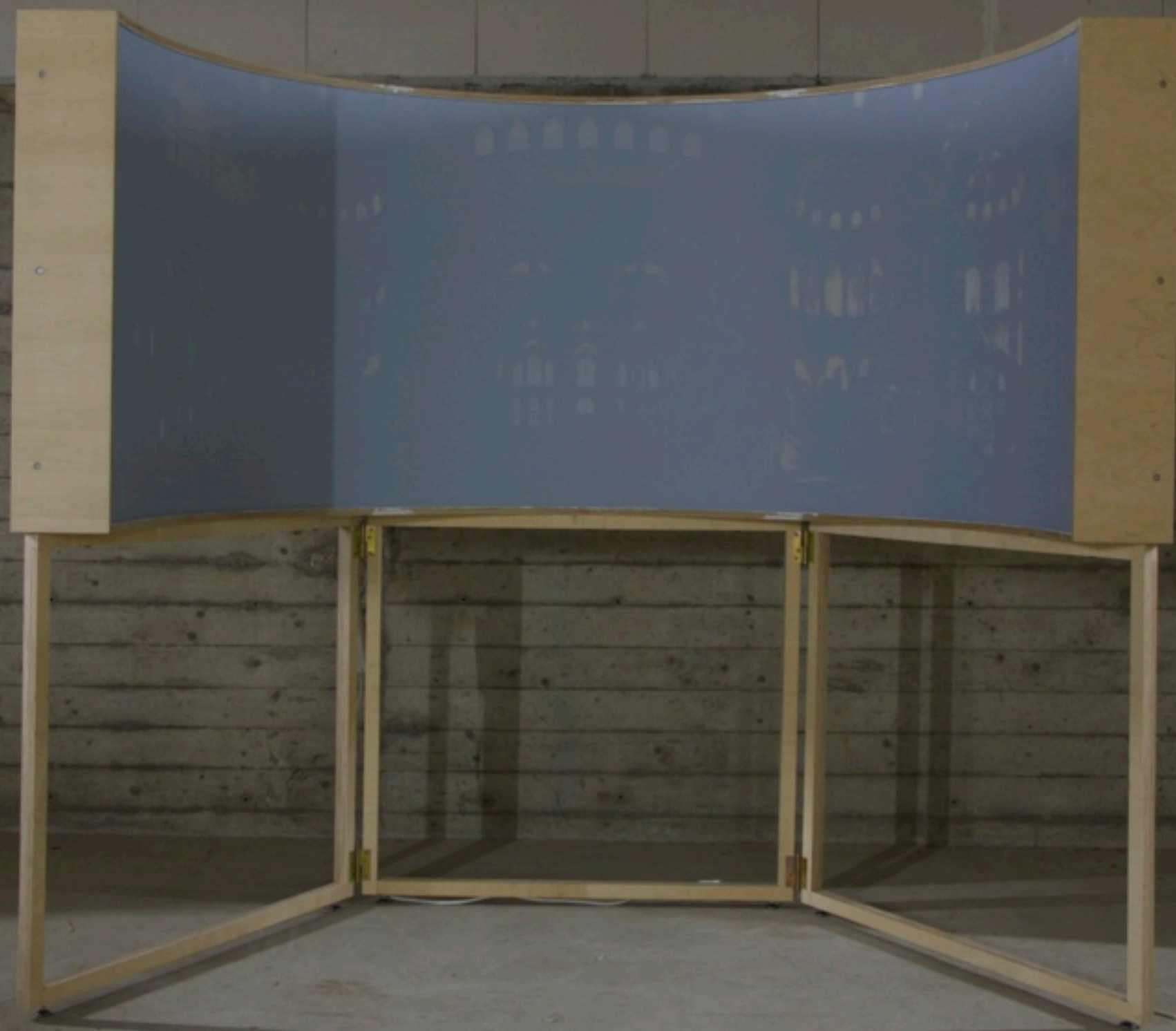






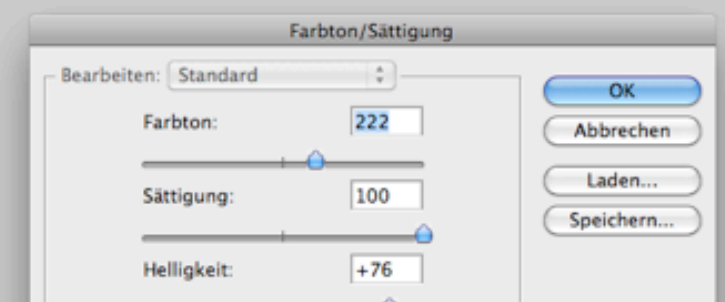
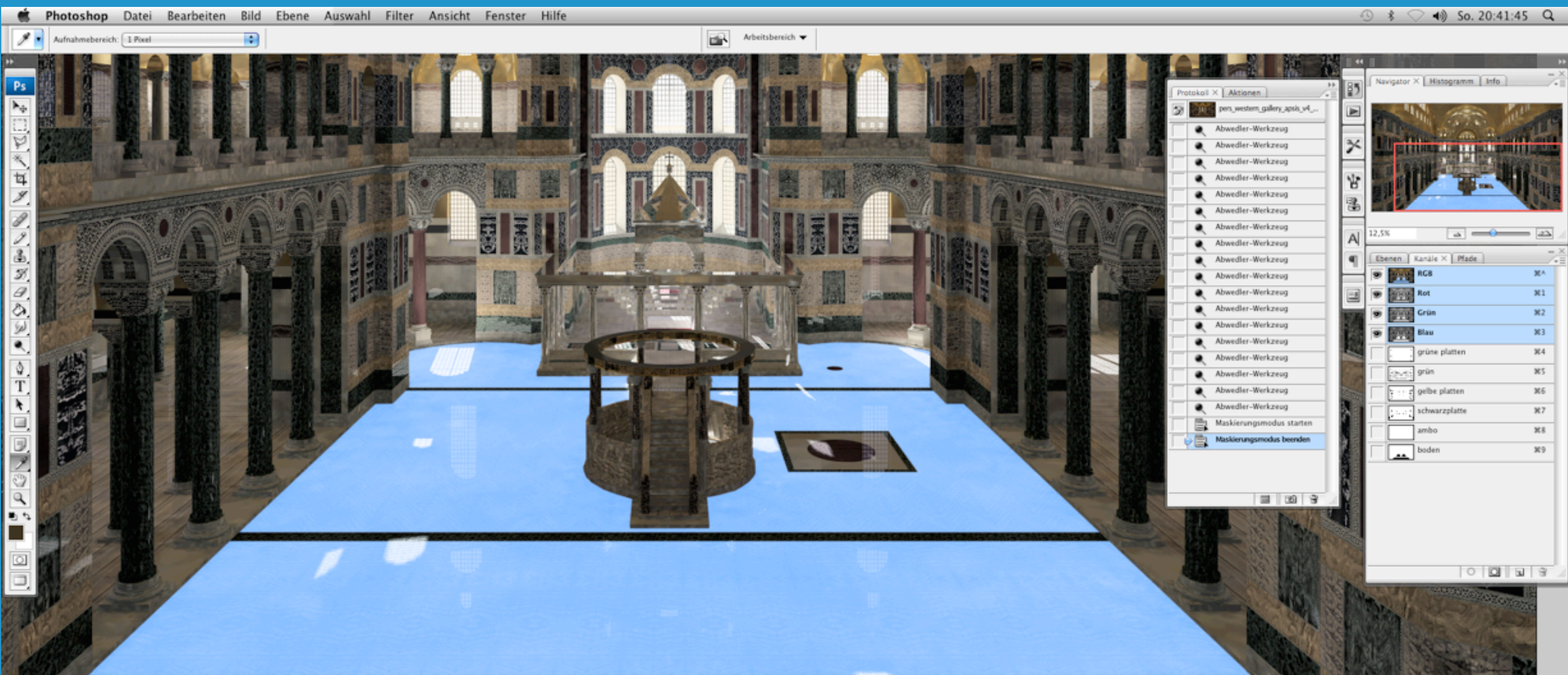






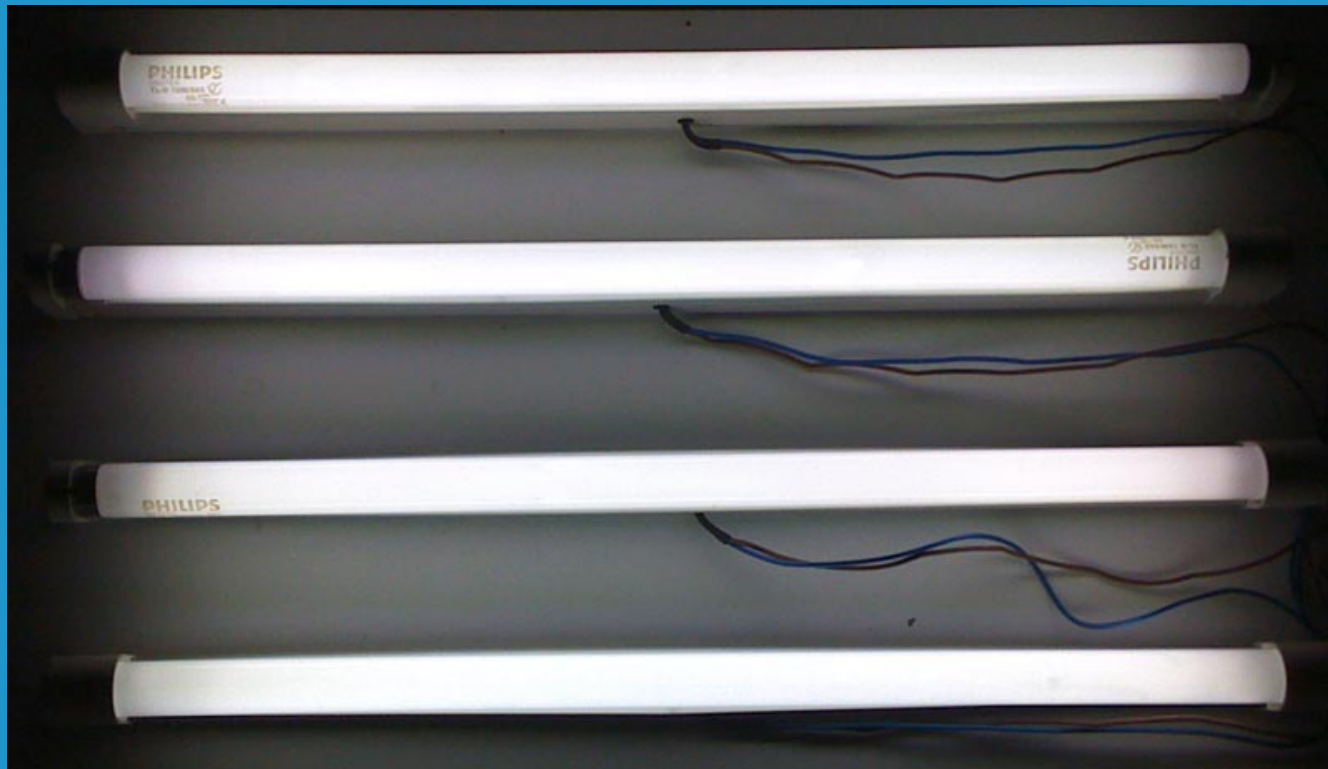


# AVOID MANUAL CORRECTIONS





# ROB'S MEASUREMENTS 2010



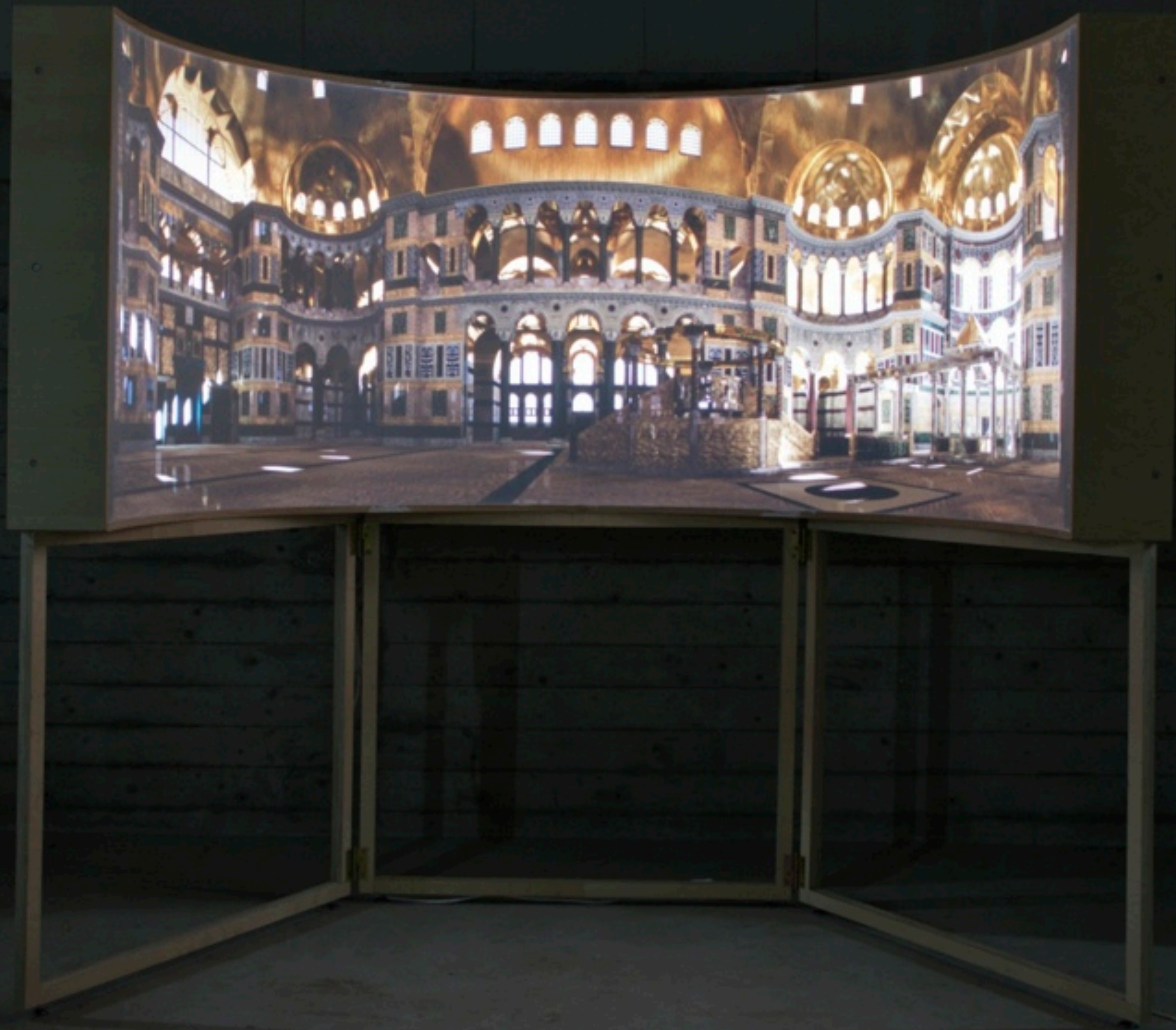






Making it **really HDR**:  
Representing the dynamic  
range of indoor scenes 1:1  
and creating a computable  
workflow from HDR Image by  
printing to HDR Presentation.







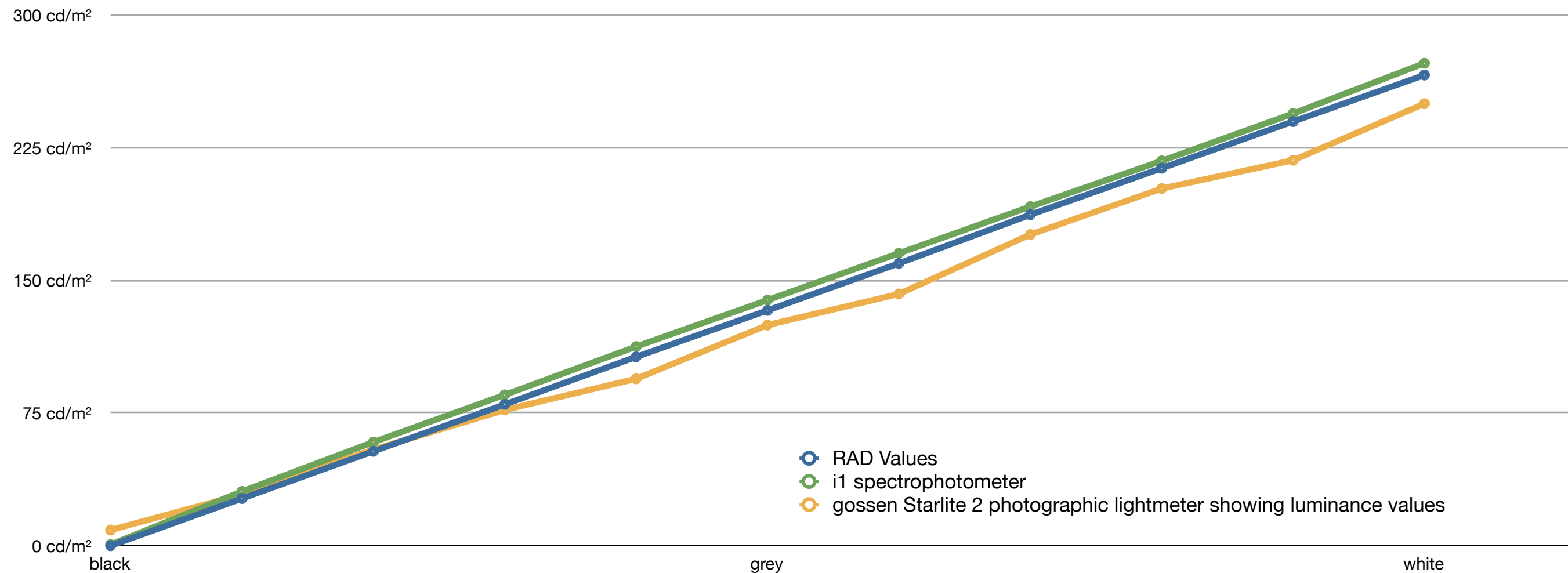
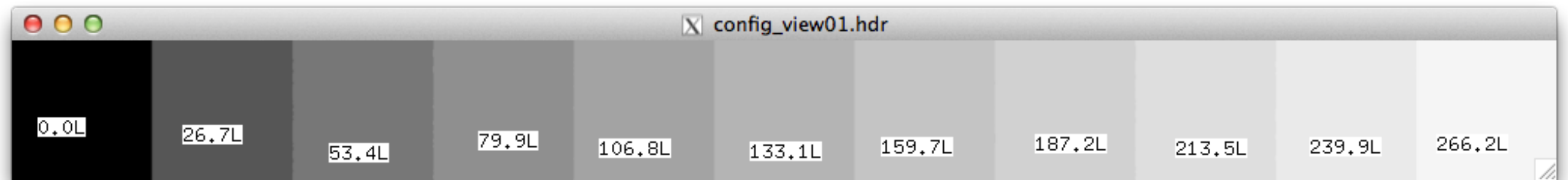
Print on outside  
More light  
Clear plexi glass  
Mirror background



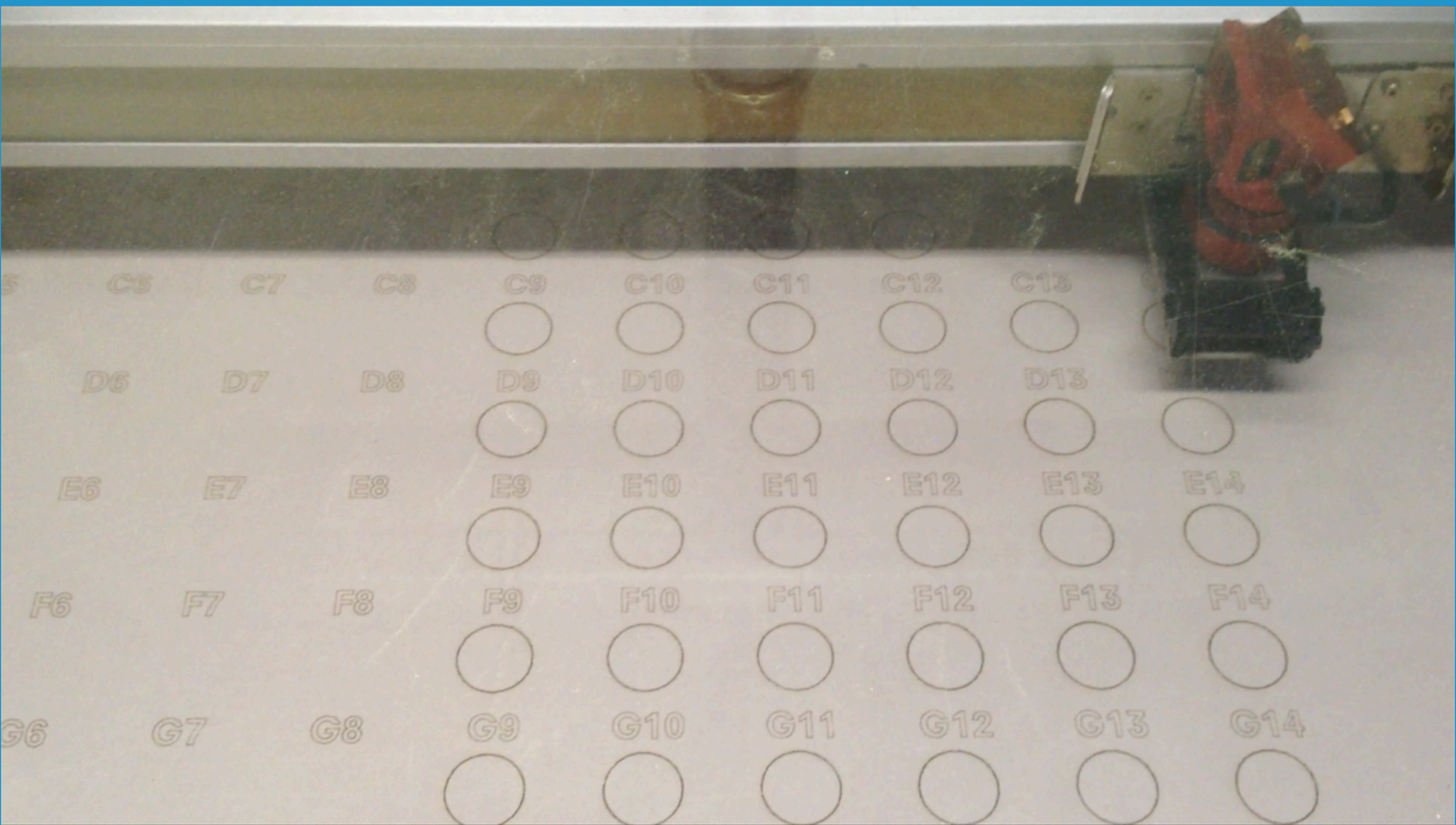


# XIMAGE GAMMA 2.2

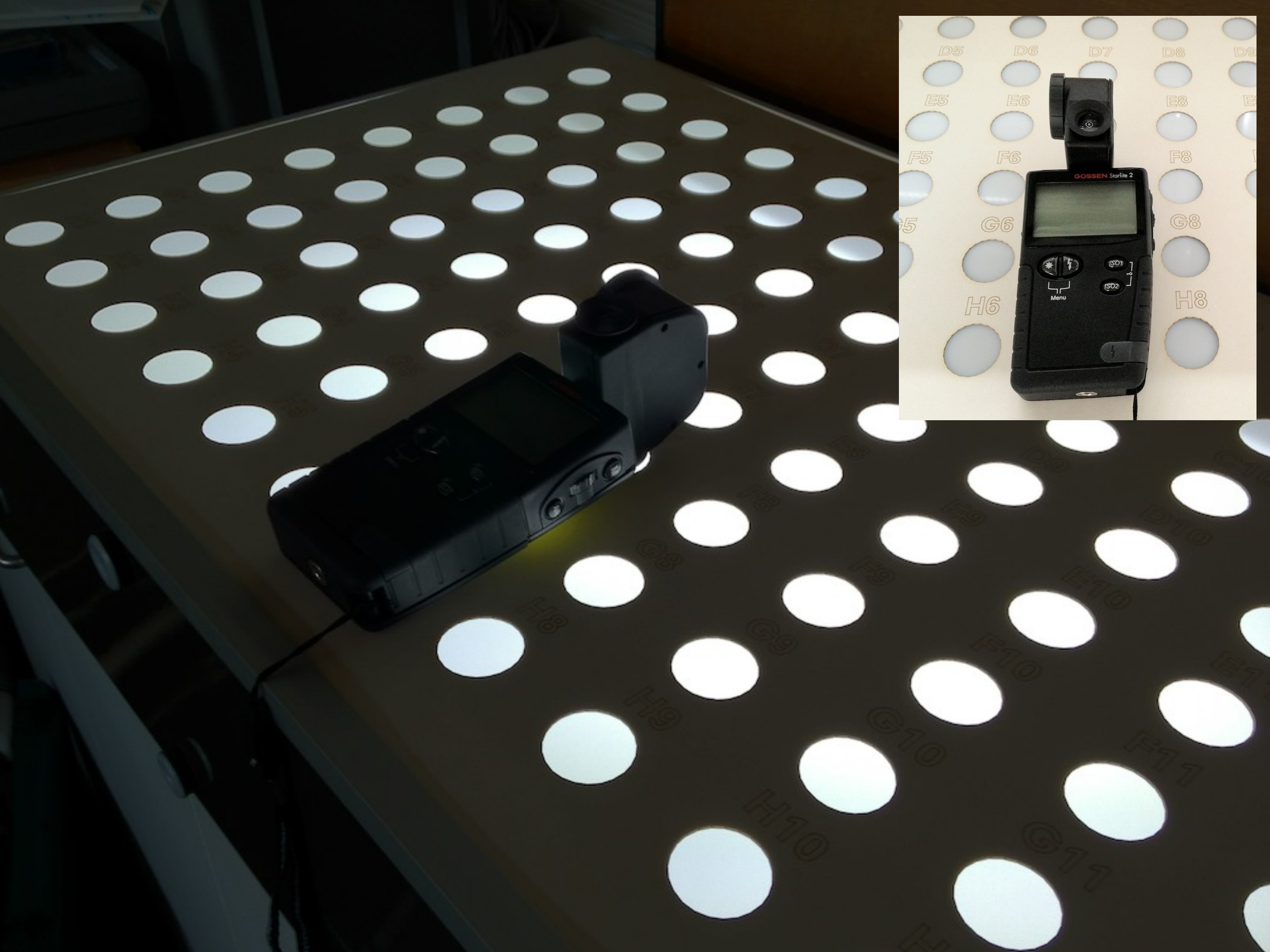
## TFT DISPLAY MEASUREMENT





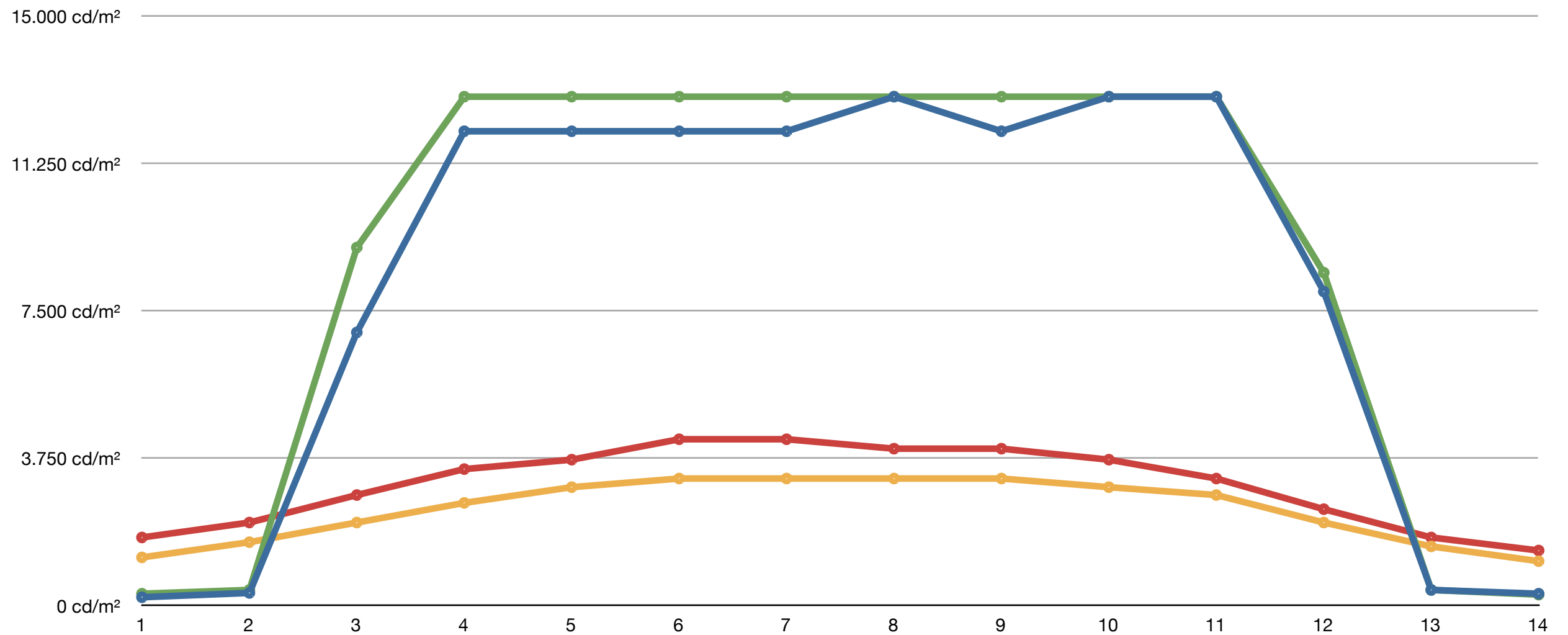






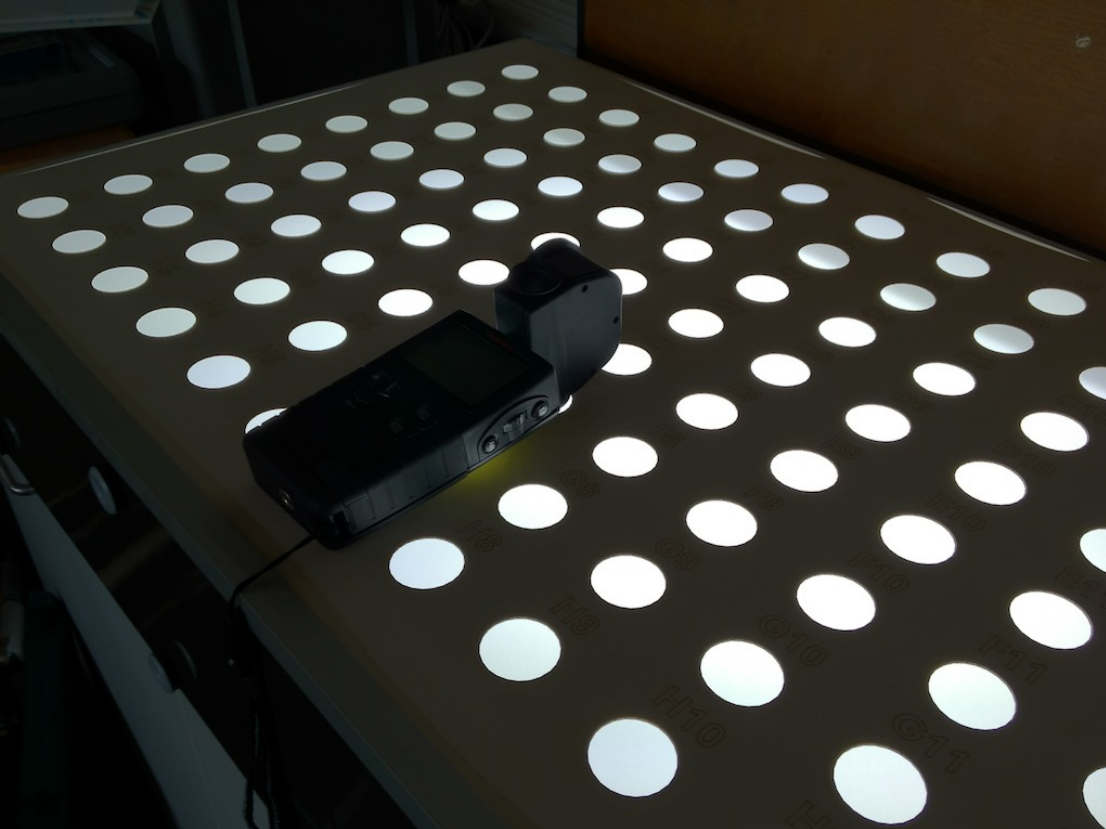


# RASTER LINE G

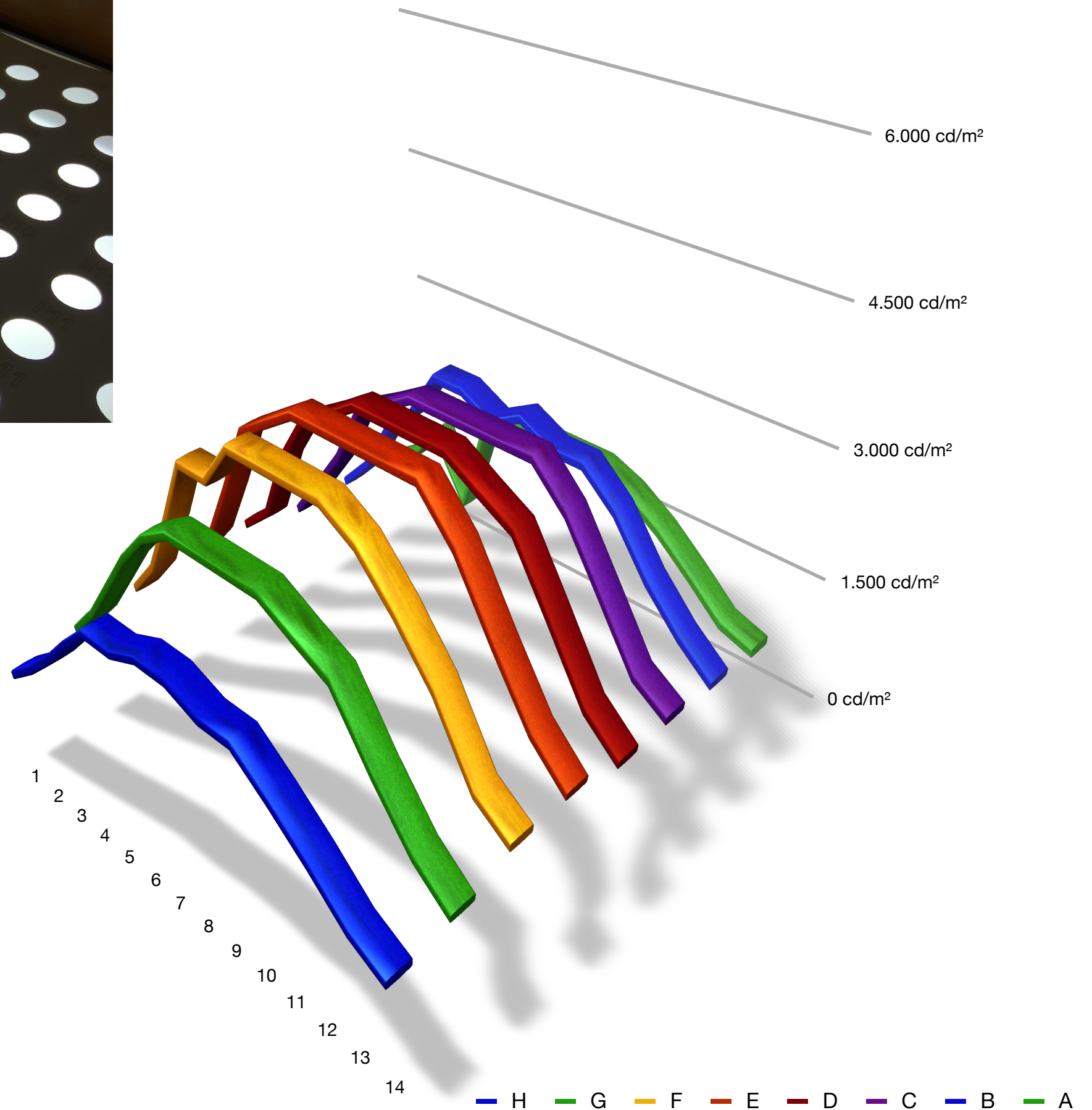


⬤ just switched on    ⬤ constant use    ⬤ with plexi    ⬤ with plexi and mirror

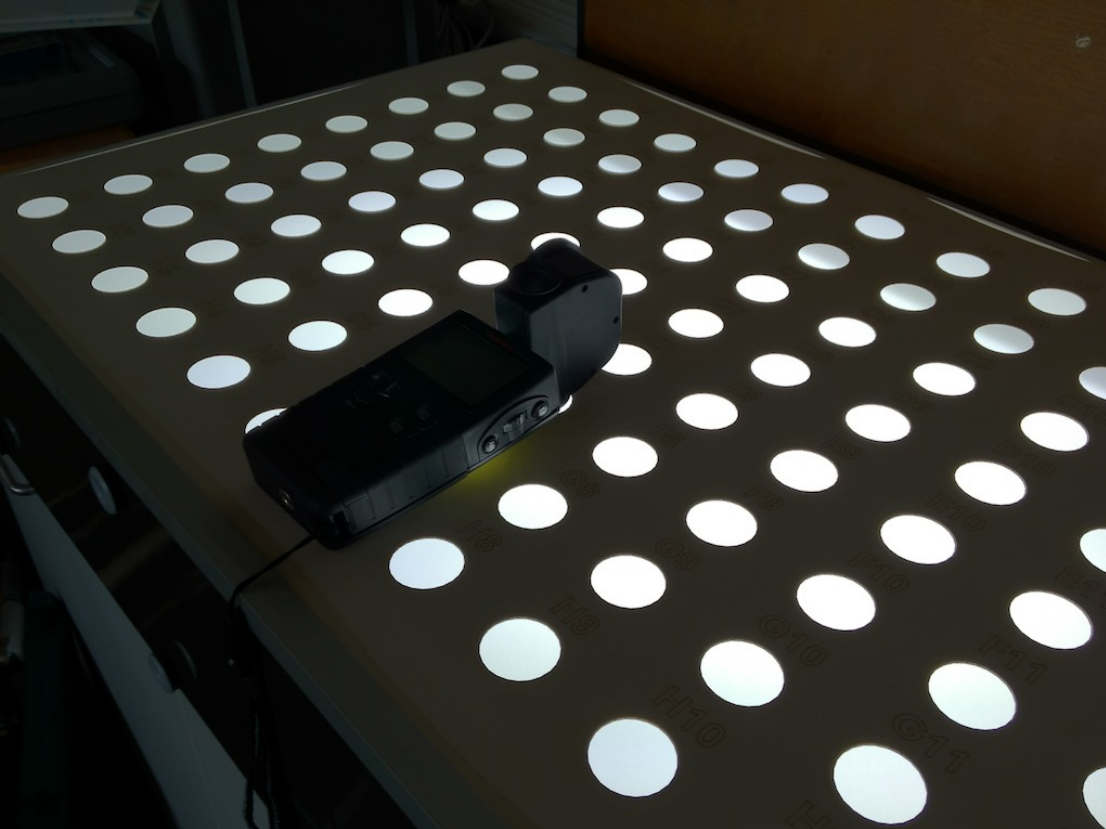




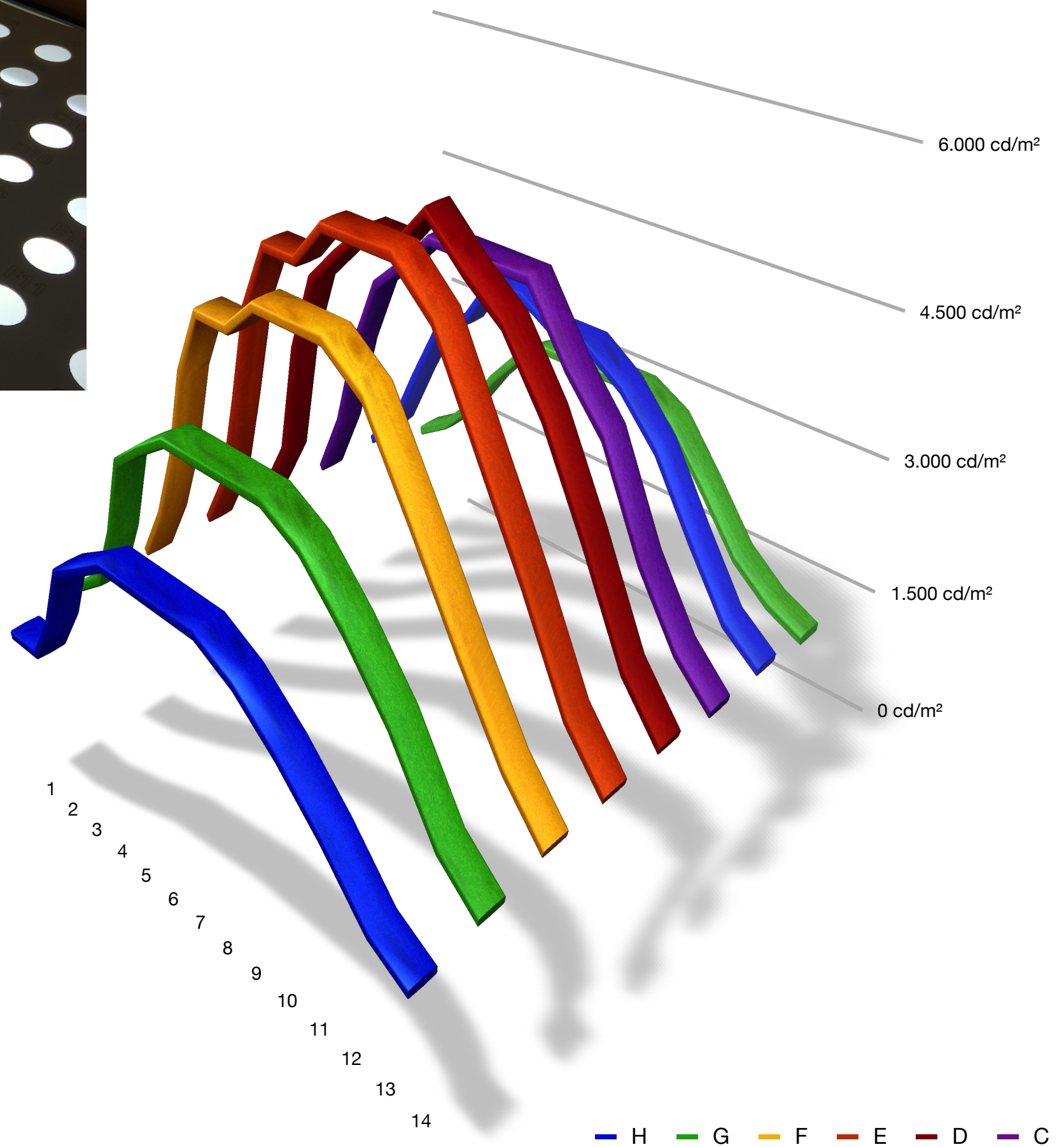
Vignetting effect  
frosted plexi  
white background





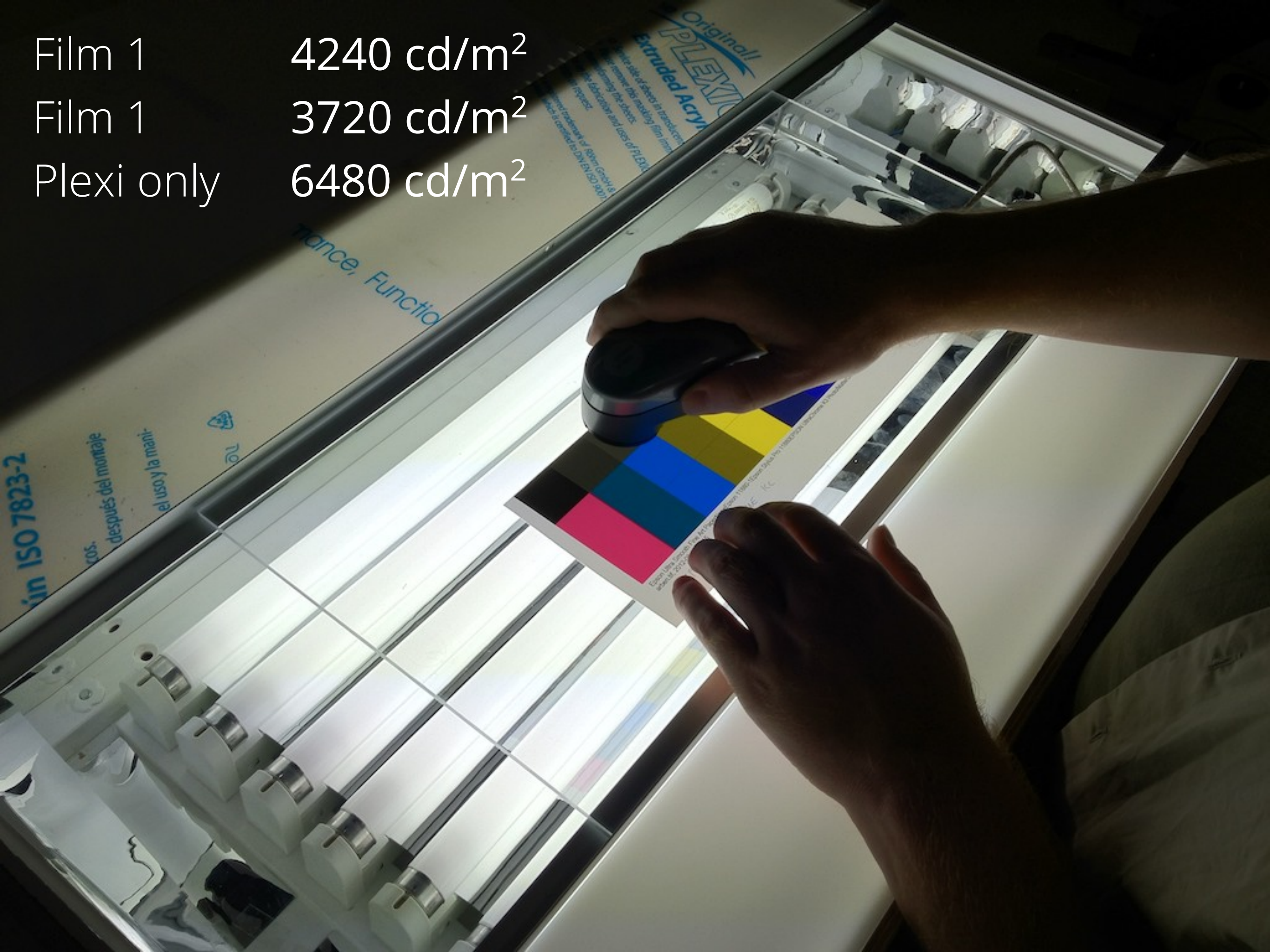


Vignetting effect  
frosted plexi  
mirror background





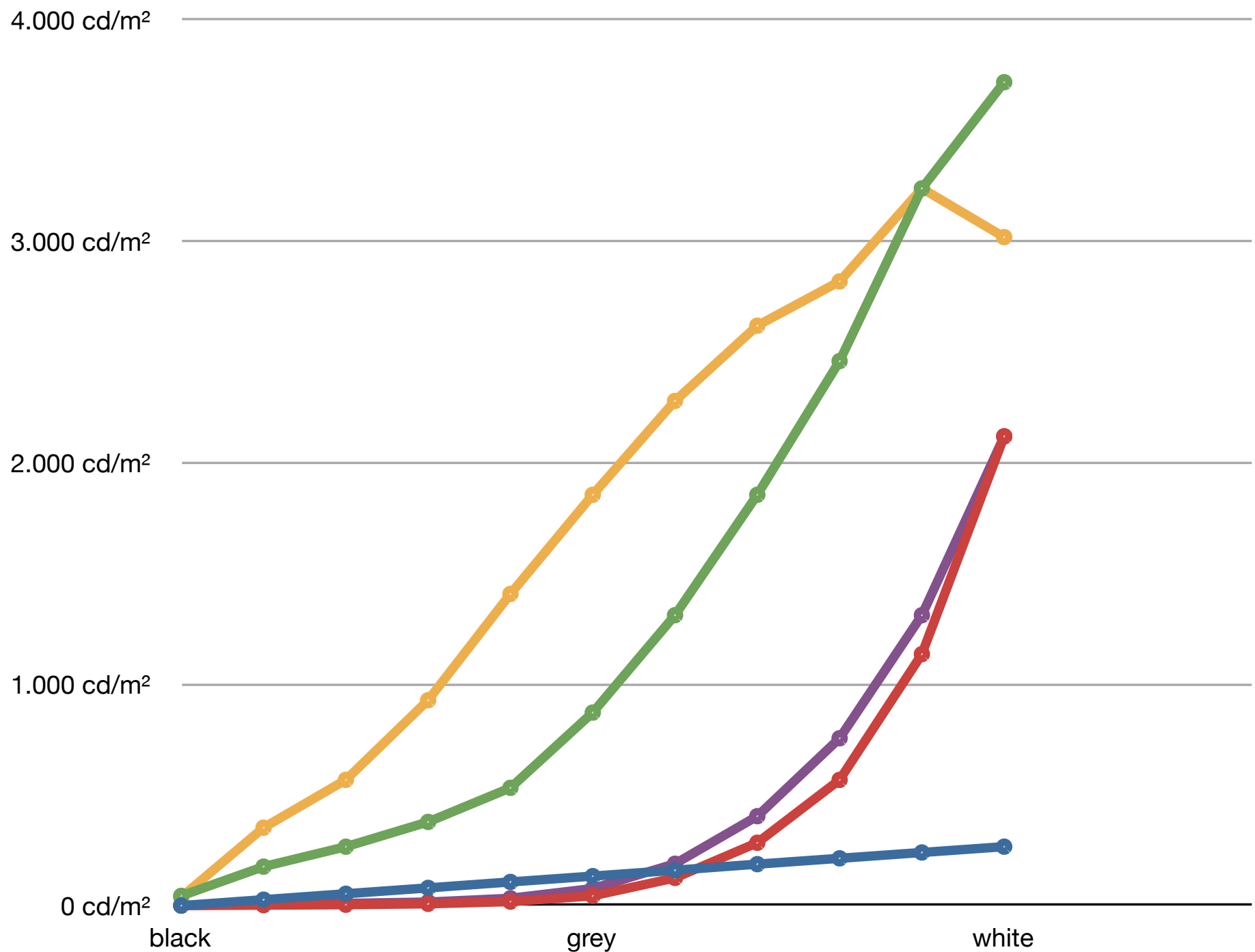
Film 1	4240 cd/m <sup>2</sup>
Film 1	3720 cd/m <sup>2</sup>
Plexi only	6480 cd/m <sup>2</sup>







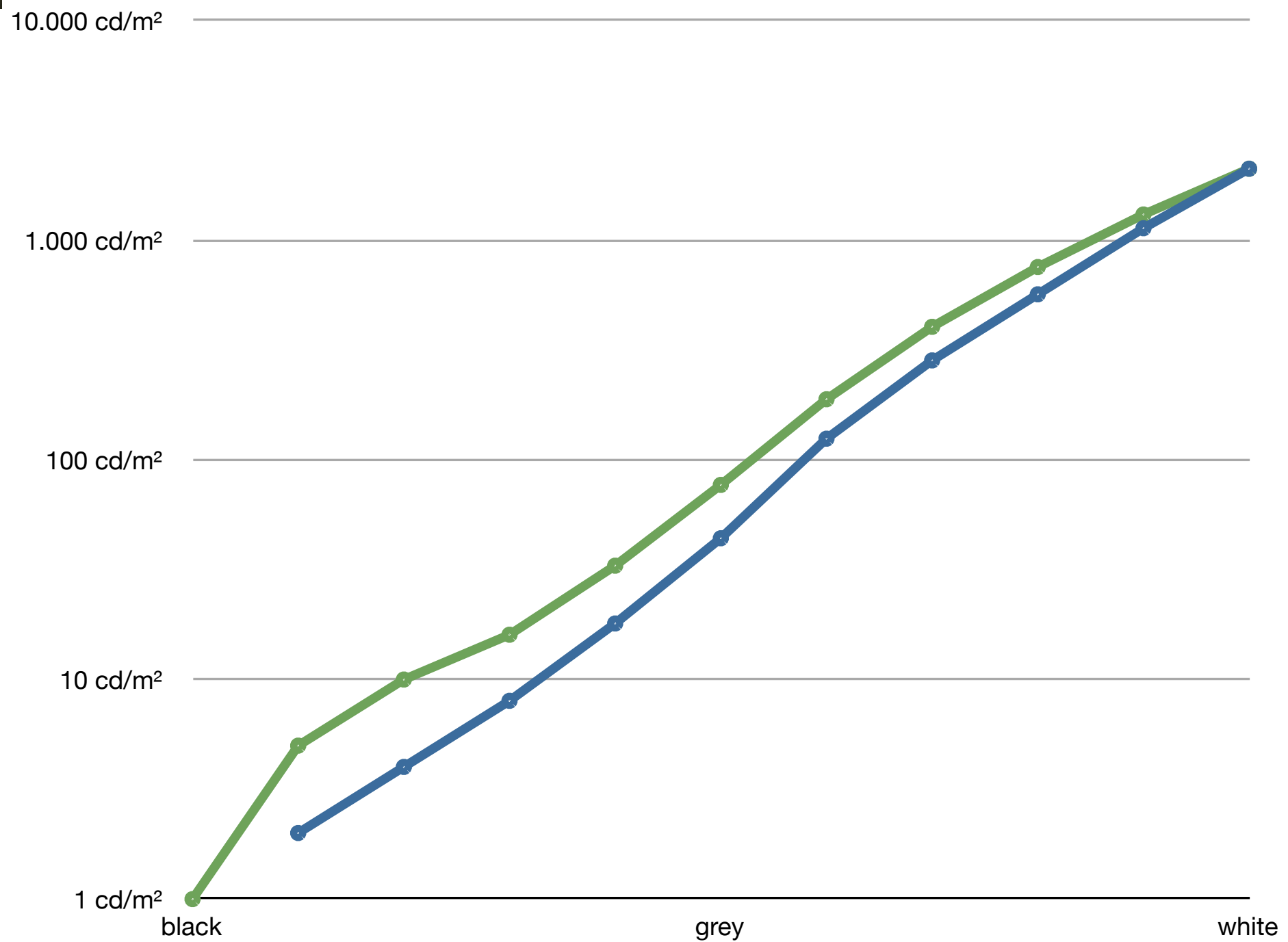
- RAD Values
- blf130as  
ultrasmooth fine art
- blf130as  
ultrasmooth fine art  
g 2.2
- blf130as  
ultrasmooth fine art  
double foil on plexi
- blf130as  
ultrasmooth fine art  
double foil plexi between







- blf130as  
ultrasmooth fine art  
double foil on plexi
- blf130as  
ultrasmooth fine art  
double foil plexi between

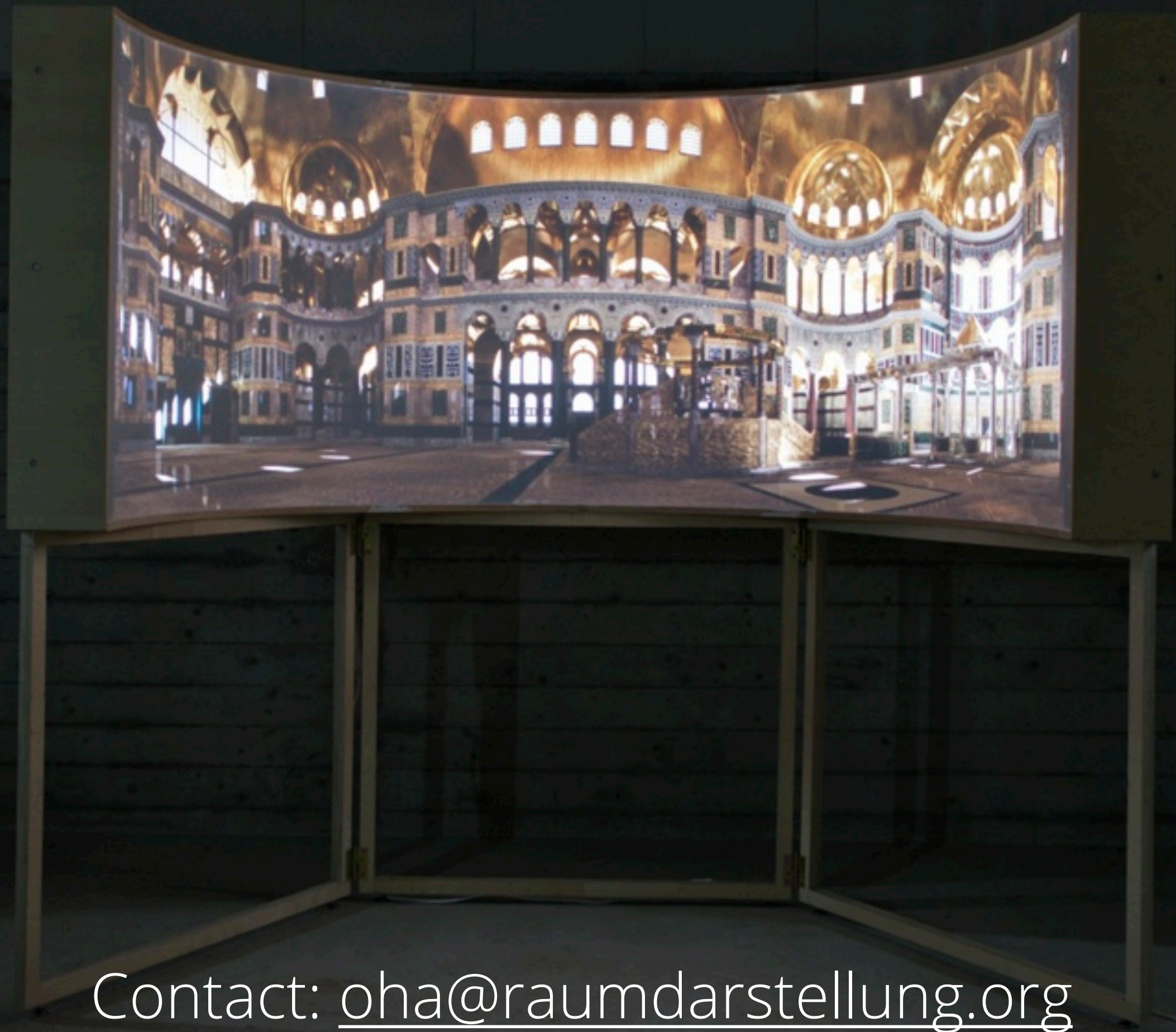




# What's next?

- creating icc profiles (GMG/Barbieri)
- waiting for the next generation of solvent printers





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