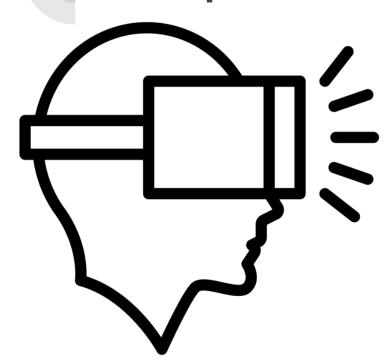
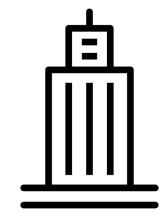
Project Ocelot

Measuring physiological responses to colour through virtual reality environments

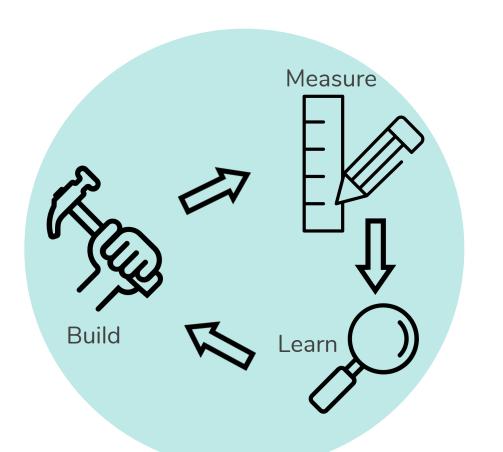
Sol Cutrera

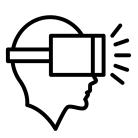
Perception and space



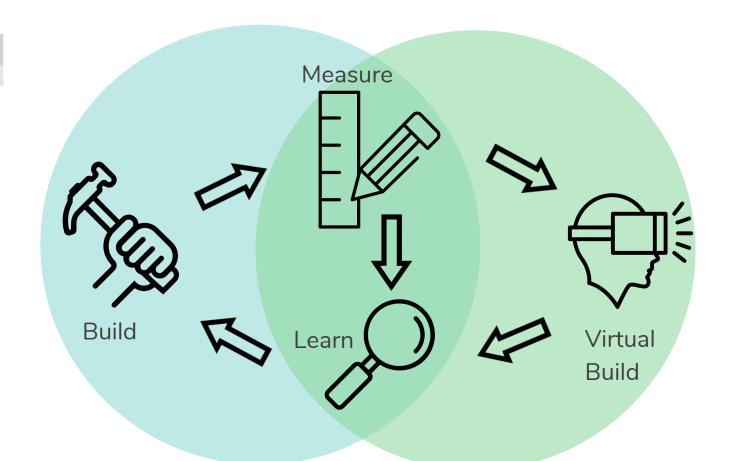








Virtual Build

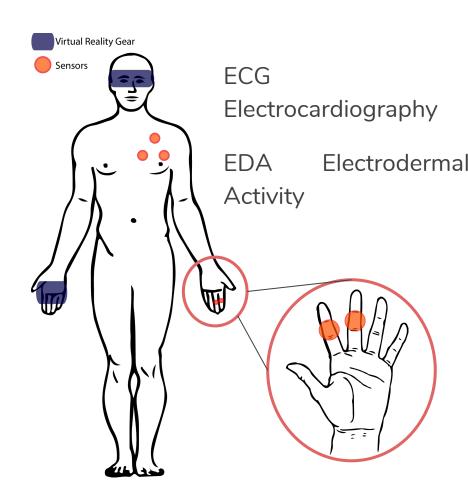


Post Occupation Surveys and Verbal Feedback



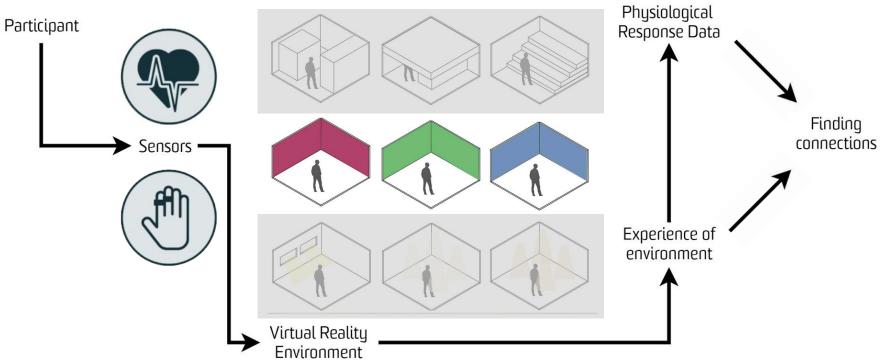
Biometric analysis



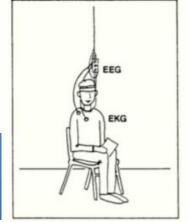


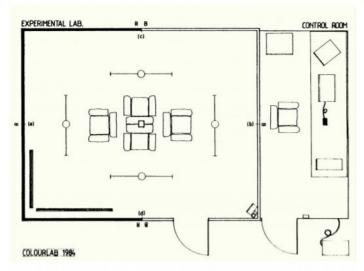


Particular point of view

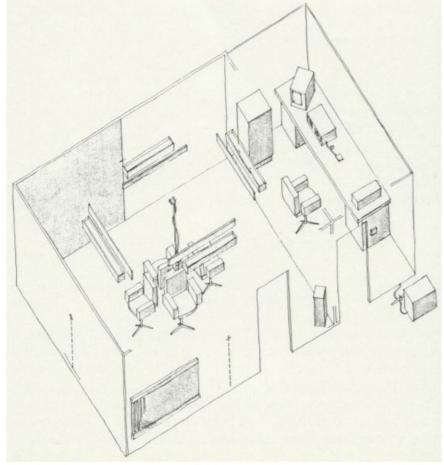


Phase 1: Replicate





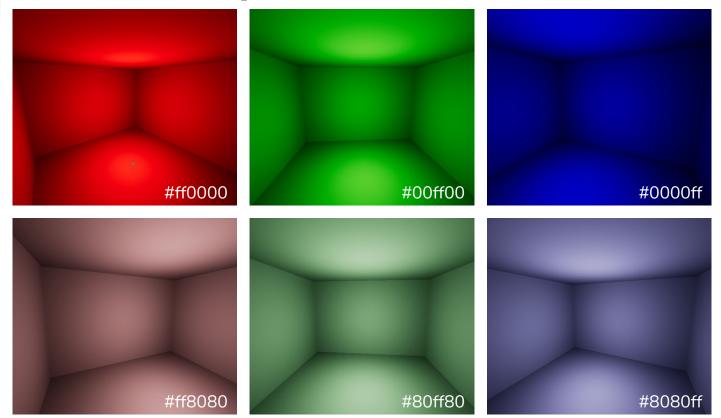
Mikellides, 1990



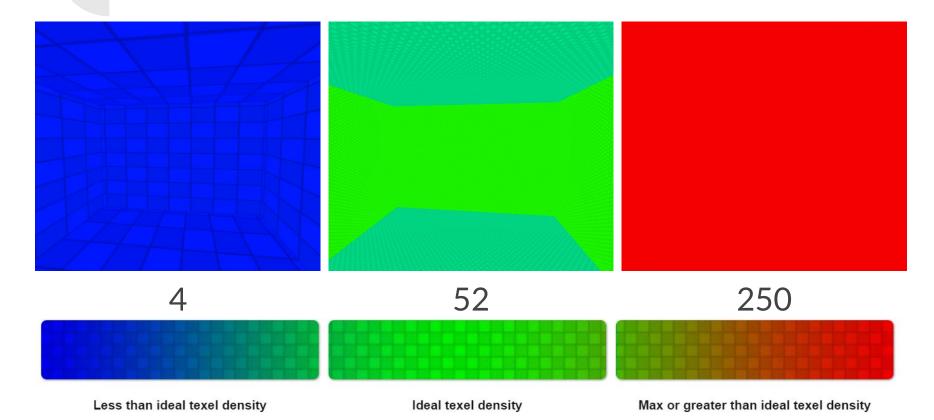
 $FIGURE\ 5.\ Axonometric\ drawing\ of\ the\ experimental\ and\ control\ rooms.$

Phase 2: Expand

Hue vs Saturation



Light Map Resolution

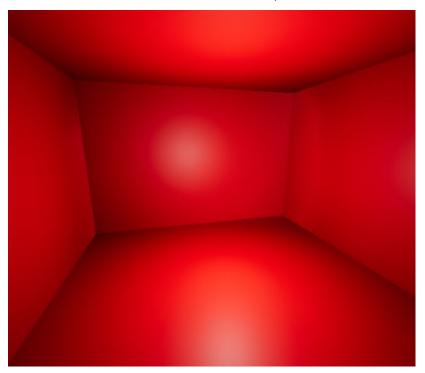


Light Map Resolution

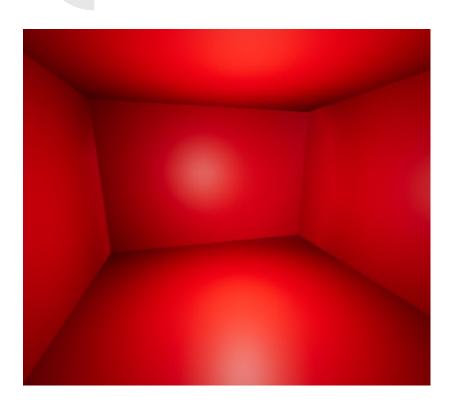
Insufficient texel density



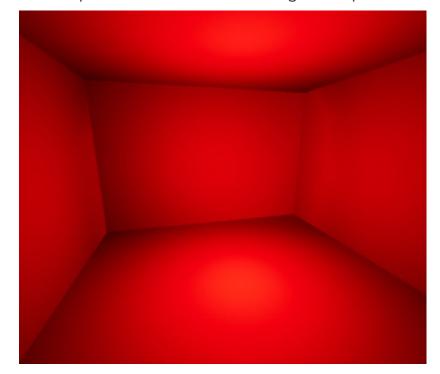
Ideal texel density

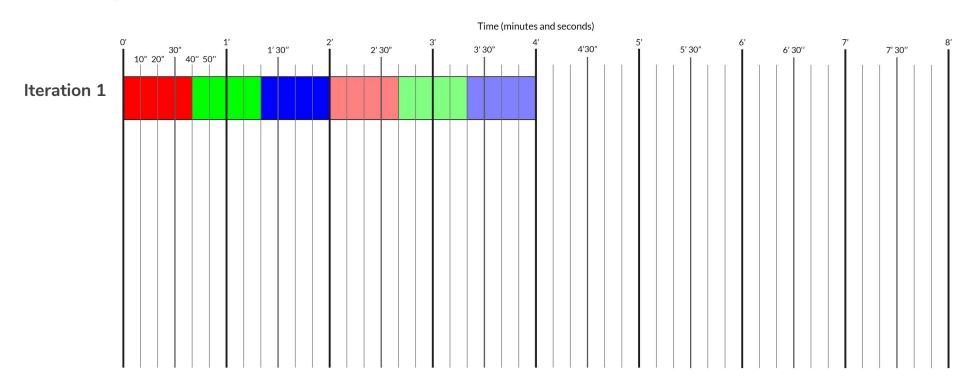


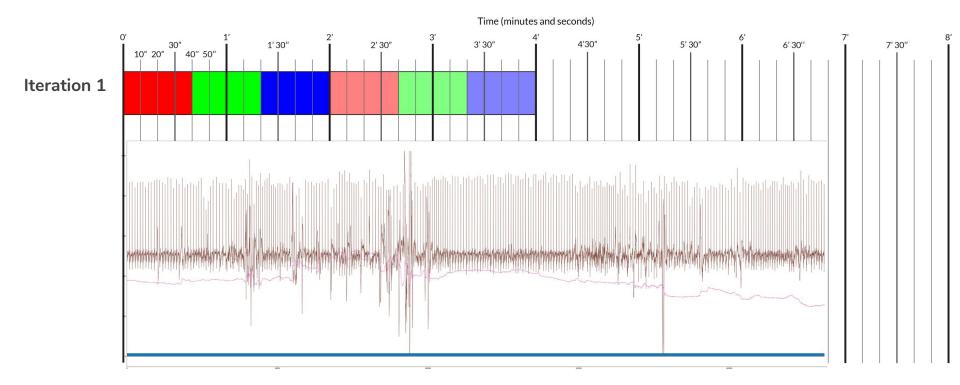
Material Properties

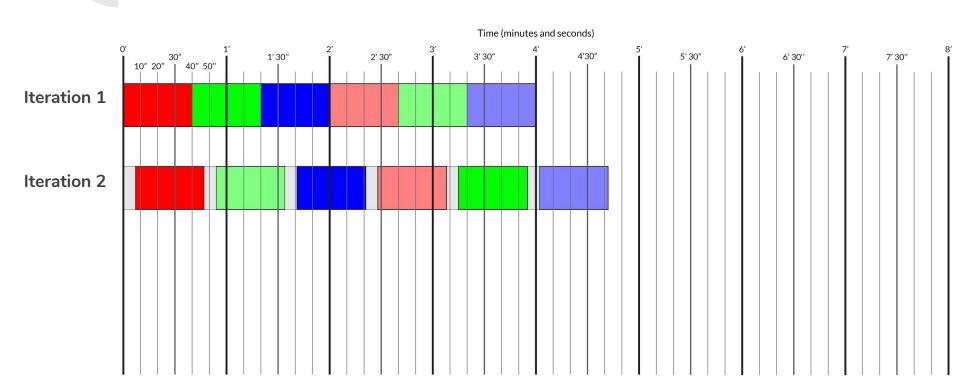


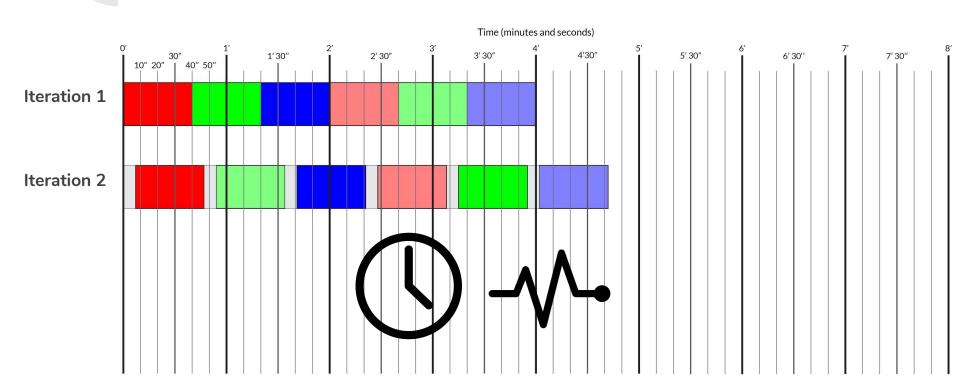
Specular set to 0 to reduce light hotspot

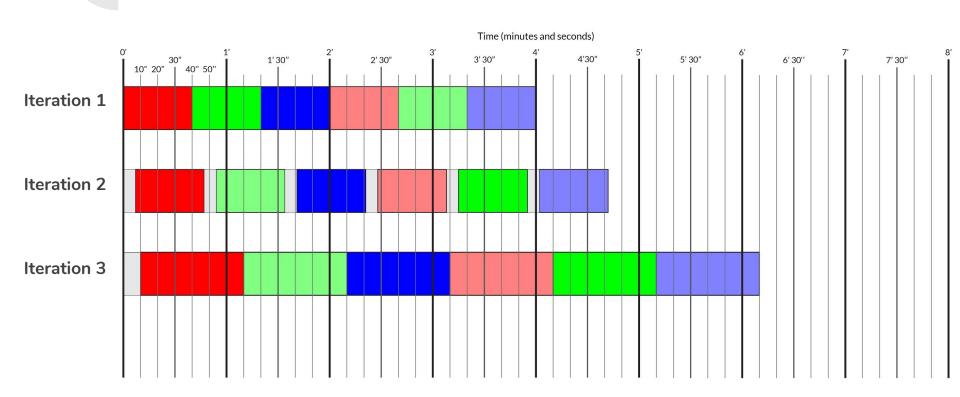


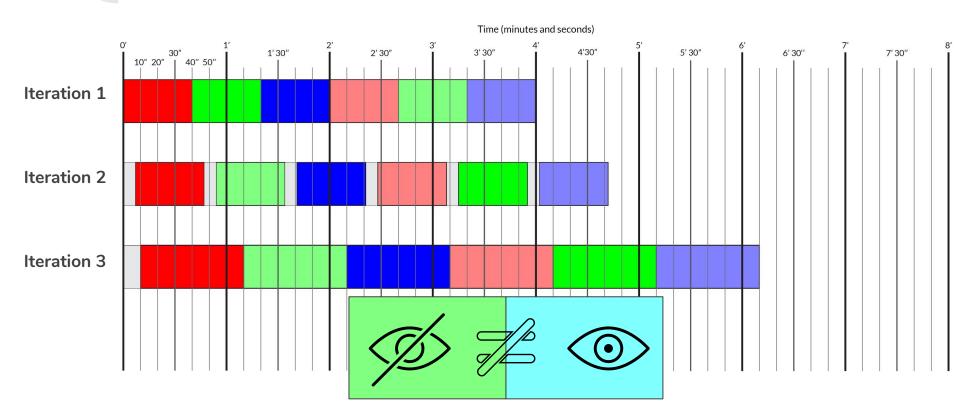


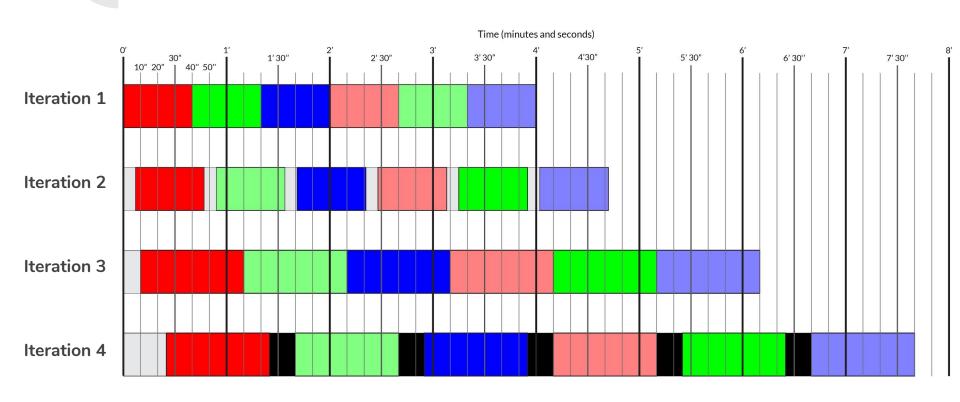












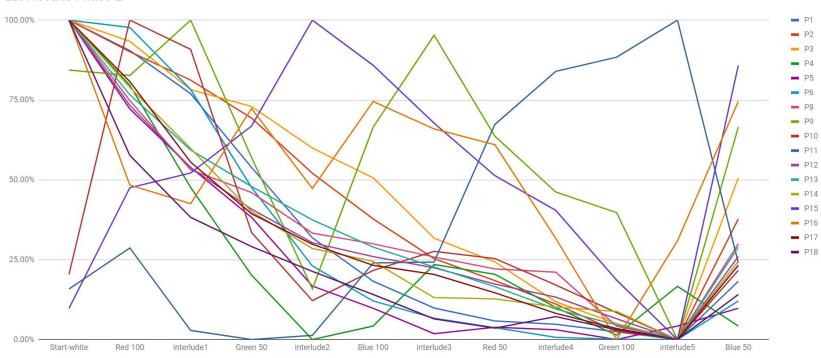
Intermission Time Testing

Iteration 4

5 seconds			10 seconds			15 seconds			30 seconds		
Colours in order	Actual Room Colour	Colours perceived	Colours in order	Actual Room Colour	Colours perceived	Colours in order	Actual Room Colour	Colours perceived	Colours in order	Actual Room Colour	Colours perceived
R100		Normal	R100		Normal	R100		Normal	R100		Normal
G50		Bright aqua colour, towards the end it starts to fade slightly into the required colour	G50	G50	No aqua but	G50		Normal	G50		Normal
				lighter than before	B100		Normal	B100		Normal	
B100		Normal	B100		Normal	R50		Normal	R50		Normal
R50		Normal but slightly brighter	DEO		Normal	G100		Normal	G100		Normal
G100		Normal but there are circles	R50		Normal	B50		Normal	B50		Normal
		where you look as if by a spot light	G100		Normal						
B50		Normal slightly stronger	B50		Normal						
	0'	30" 1' 1'30"	2' 2' 30	" 3'	3' 30"	4'30" 5	5' 3	0" 6 '	6' 30''	7'	7' 30" 8'

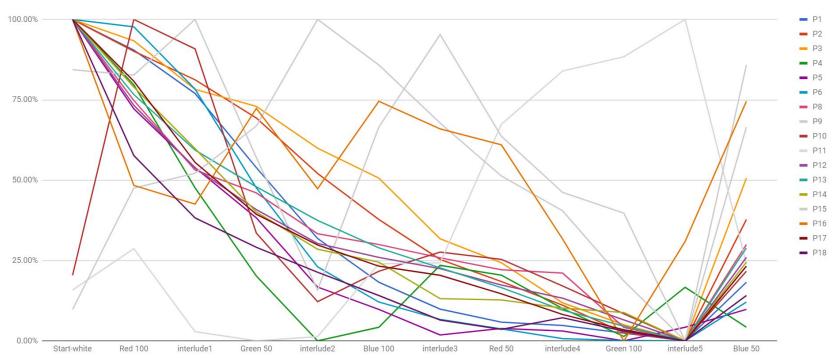
Output: EDA

EDA results Phase 2

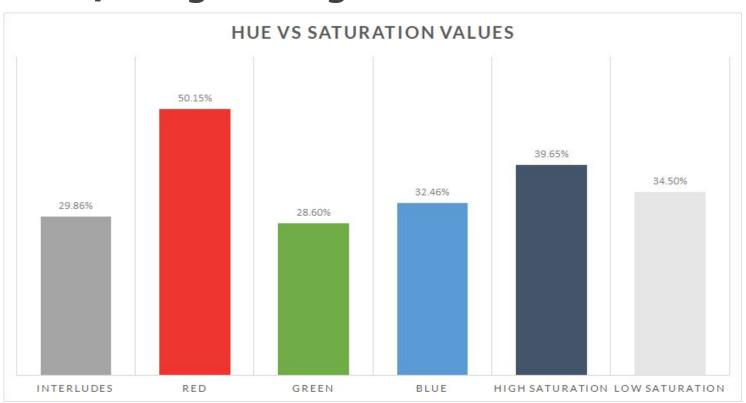


Output: EDA

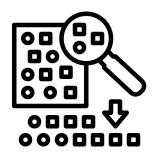
EDA results Phase 2



Comparing Averages



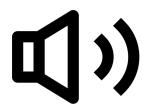
Limitations & Future Adjustments



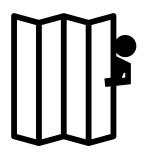




Time Exposed



External Audio



Participant Privacy

Project Ocelot

Measuring physiological responses to colour through virtual reality environments

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