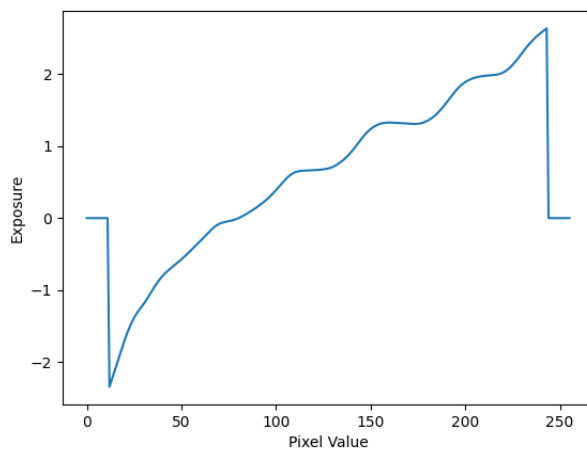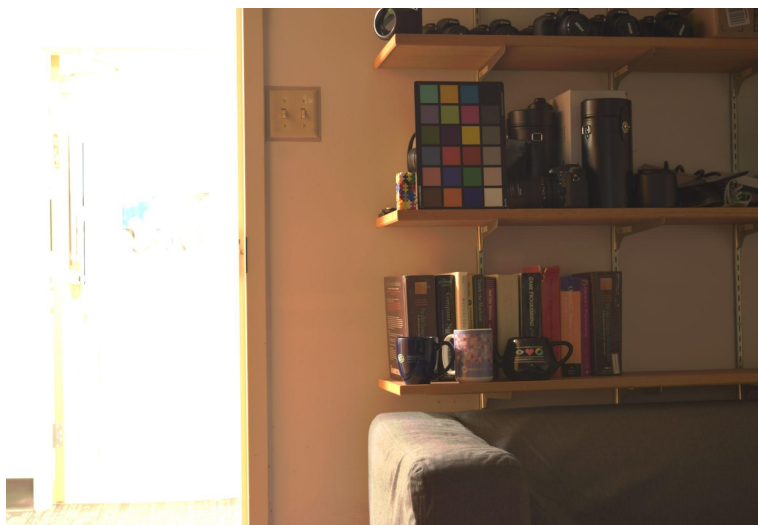# 1.1 HDR Imaging

Develop RAW images

The correct flags in order for dcraw to convert the RAW images with the desired settings is `dcraw -4 -w -q 3 -o 1 -T exposure<1-16>.nef`.

Linearize rendered images

Plot of function g recovered

Merge exposure stack into HDR image

HDR image created from the rendered set of images with a linear merging scheme and a uniform weighting scheme. Out of the sixteen HDR images I created, I selected this

image because it looked the most realistic and aesthetically pleasing to me. Some of the other images looked fake without having color balancing applied, so this one looked the most nice to me at this stage of the pipeline.

Weighting schemes

The values I used were 0.05 for Z_{min} and 0.95 for Z_{max}.

Color correction

I had some trouble getting color correction to work correctly, but expected it to have a less yellow tint than the original merged HDR images.