Reviewer 1 also asked that the mean color of observer matches be plotted in a chromaticity diagram. Here they are plotted in the (a\*, b\*) plane of the LAB color space and broken down according to experiment (exp 1 in top left panel (appearance match), exp 2 in top right (dye match), exp 3 in bottom left (flat filter match), white point of match from exp 3 in bottom right panel). It’s surprisingly a pain to put a PDF in a Word document, so the plot below is a PNG, which messes up the plot symbols for some reason, but the colored points at the base of the arrows are the mean colors for the Glavens in the test images and the black squares at the tips of the arrows are the average observer settings. I was surprised when I saw this, considering the relative position of data points in Fig. 6, but it turns out to actually be the truth. Looking at Fig. 6, middle panel, it actually is the case that an average Glaven a\* of -16 can be paired with an average observer a\* of -34, leading to the large discrepancies seen below. So, the average color cannot at all be used as a rough estimate of the color of a glass, although that makes the story stronger overall, but it requires a bit of re-writing and might get reviewer 1 excited to write another big review with requests… sorry for this. I should have plotted the data this way to begin with.

