

Pics of slats

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Last Edited August 28, 2013

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1 Introduction

Just some pictures of slats taken on Friday, August 2, 2013. Testing out how pictures look according to lighting conditions and setup. The photos were taken on a light table with a cardboard box on top. The box had a small cut out at the top to make room for the camera. Stencils of positions were drawn for a repeatable orientation.

2 Front light, without diffuse paper

The worst of the configuraions, front lighting offered the least contrast between the background and slats. While arguably the most accurate color representation, who cares about that.



Figure 1: Front light, without diffuse paper

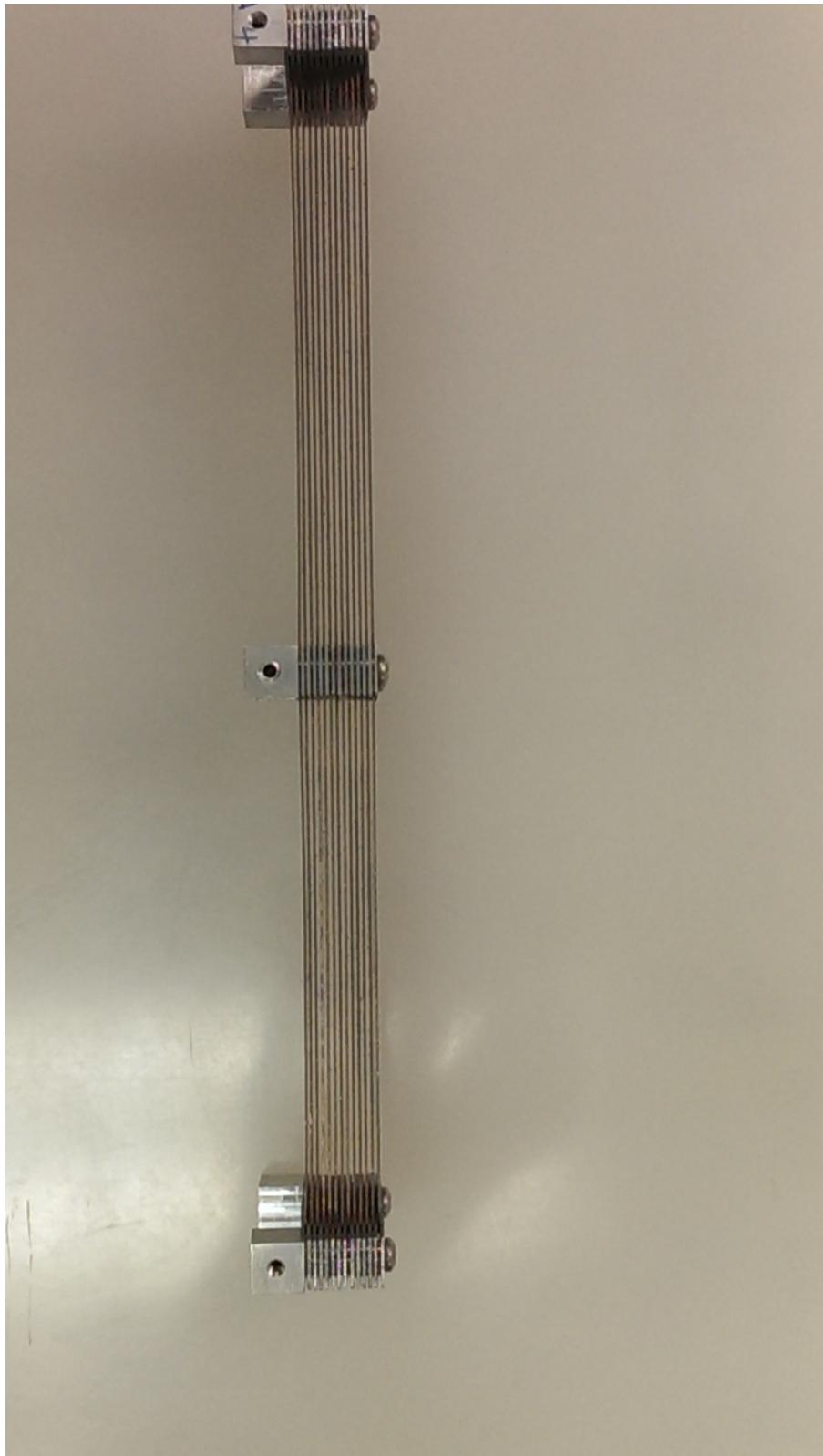


Figure 2: Zoomed in with camera phone so bundle would utilize more image space. Doesn't result in a better quality photo, just upscaled.

3 Back light, with diffuse paper

We thought it a good idea to use some tissue paper to make the light more diffuse; it didn't provide any benefit. In fact, it added unwanted noise and dark splotches in the image.

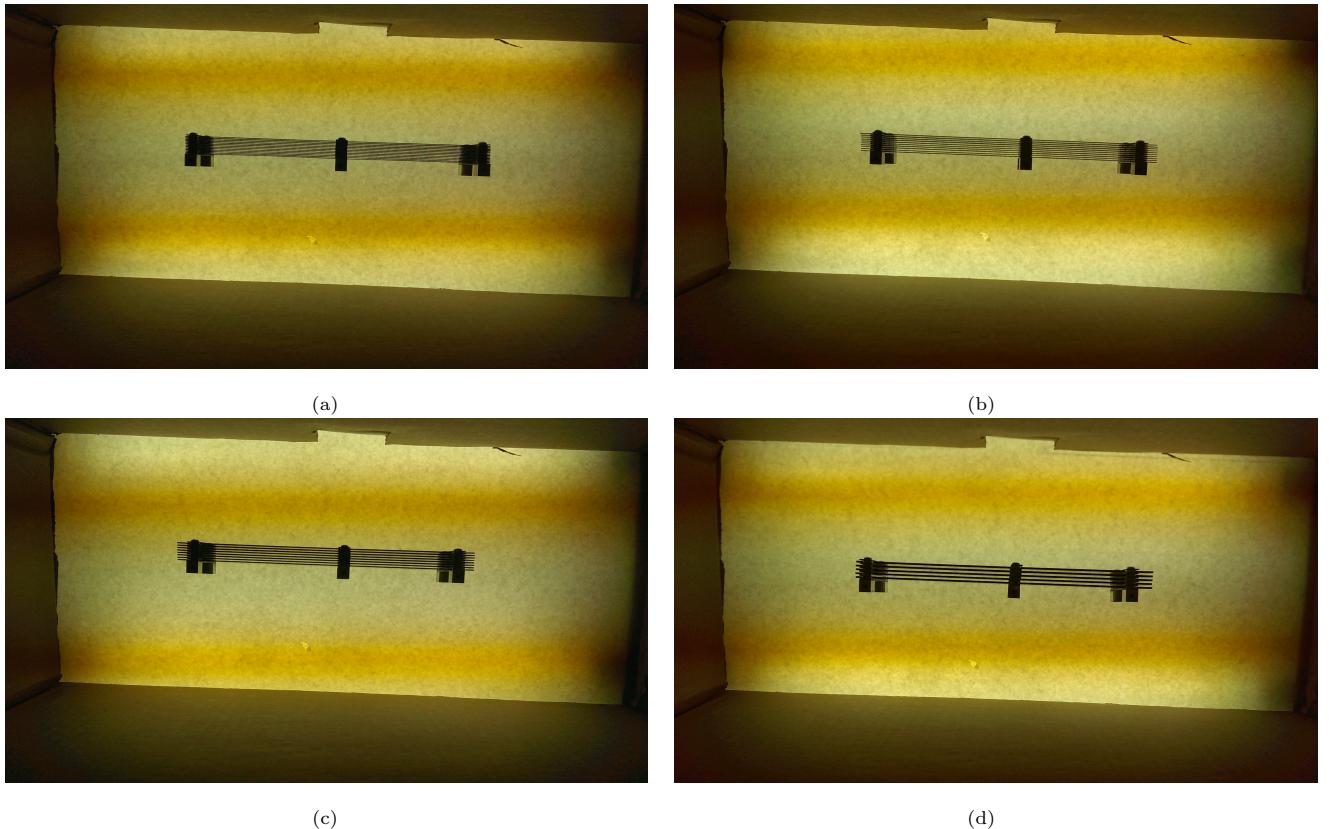


Figure 3: Even though the images are small you can still zoom in a lot.

Some full-size photos:

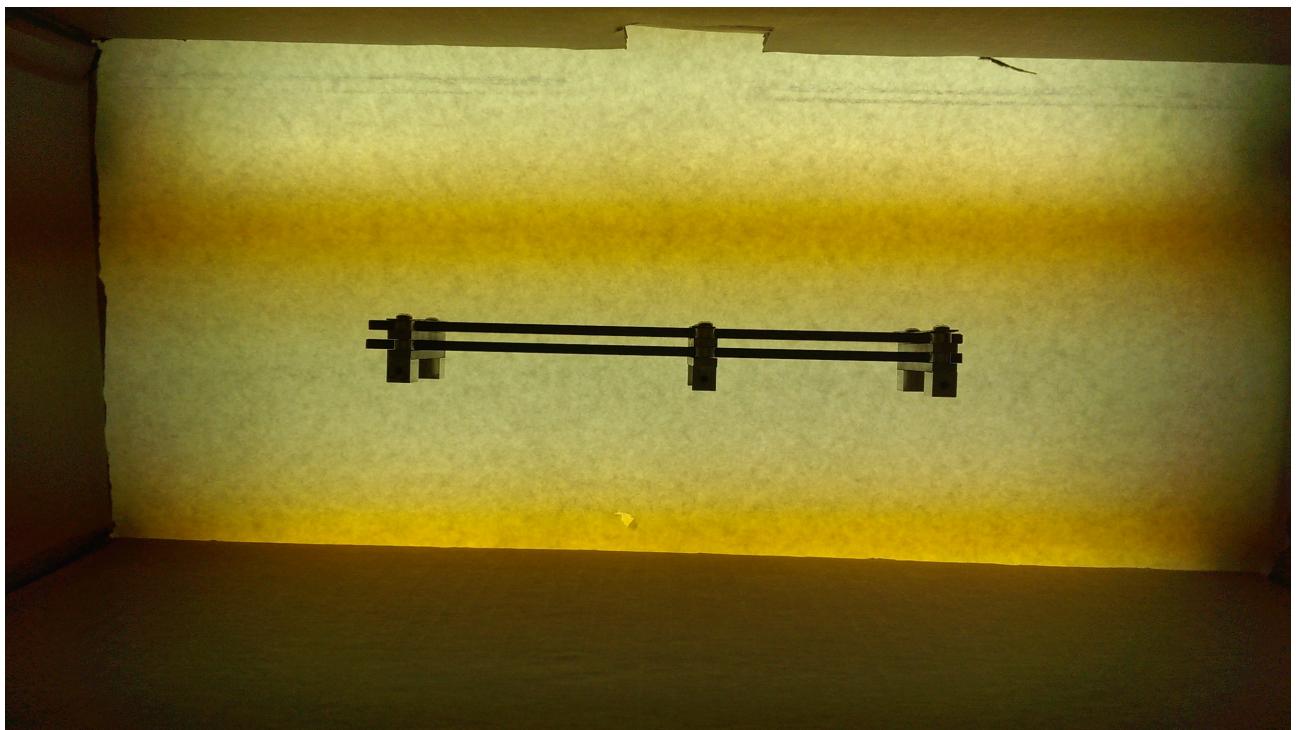


Figure 4

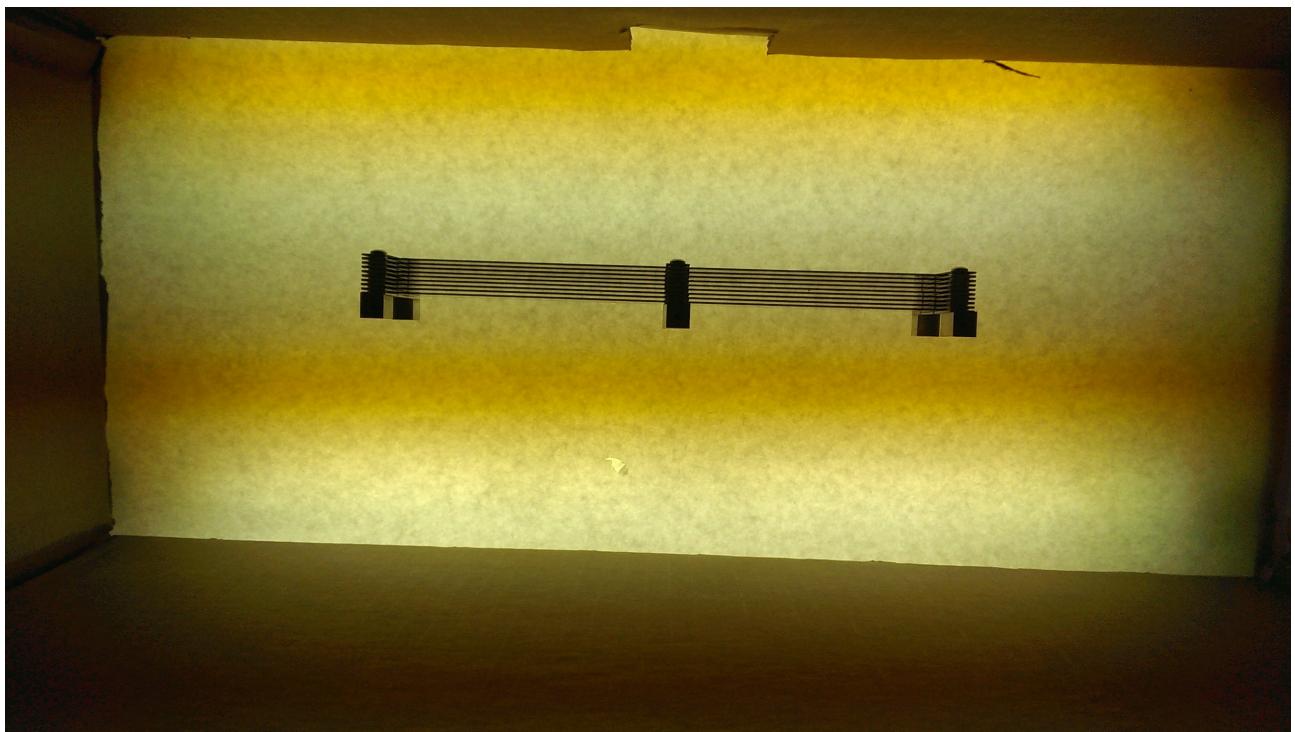


Figure 5

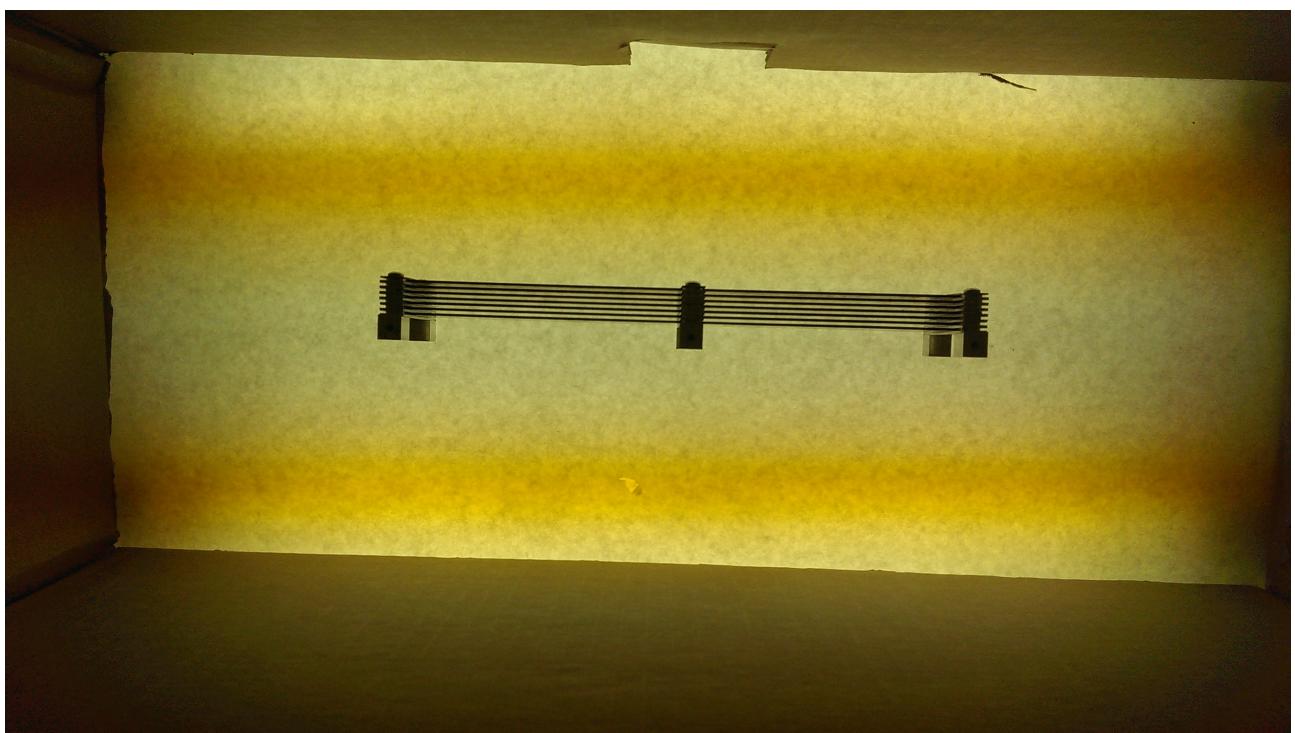


Figure 6

4 Back light, No diffuse paper

This image was taken after the previous set; probably going to use this setup from now on.

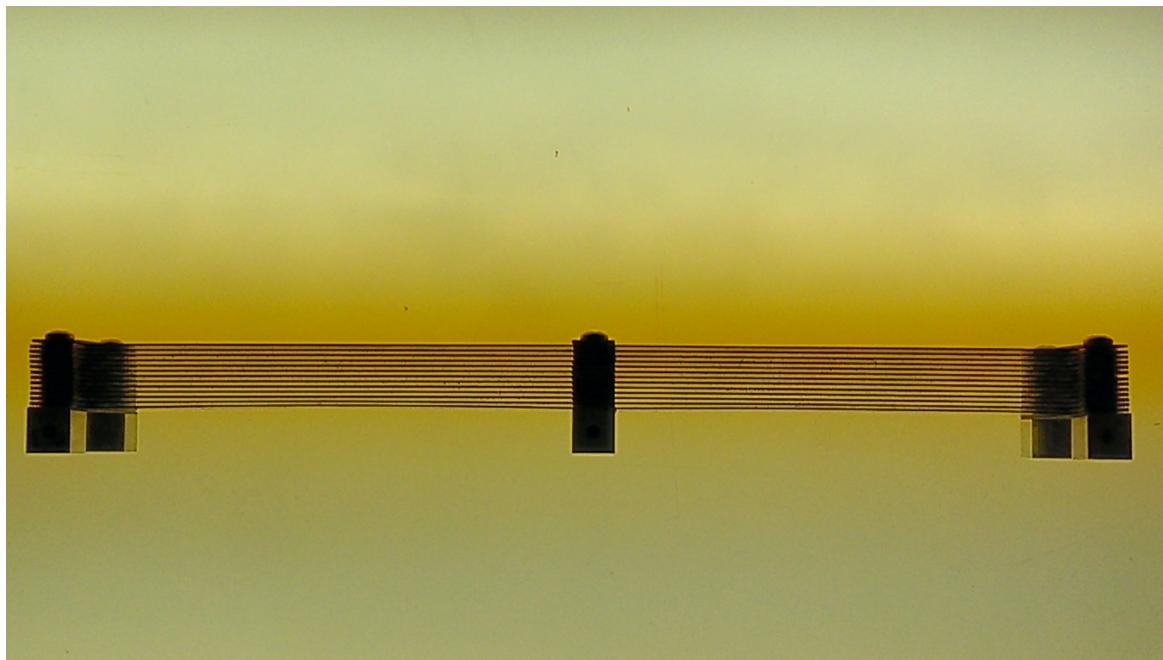


Figure 7: Background lighting, no tissue paper. Zoomed in on camera.

5 Preferred way to take pictures

Backlight with a non-cell phone camera looks like the current best option. The rolling shutter of the cell phone camera combined with fluorescent lighting's flickering properties lead to less-than-ideal photos.