



The paper web has a relatively rough surface which subsequently reflects the light in all directions. The smaller the light angle the less light is reflected.

Assume that the camera is to "see" 2m of the web width and that camera and flash have a optical angle of 34 degrees:

- Flash 1: The flash is installed at a too low angle to the web. Only 10 degrees (about 29% of the injected light) hit the web.
- Flash 2: The flash is installed at a good angle to the web. All of the injected light hits the web.