

Exercise 1: Measuring Illuminance, Luminance, and LPD



A) Find a room nearby. Do a few quick sketches of perspective view, plan view, rcp, and teaching wall elevation. First guess illuminance, then record measurements:

- On a regular grid at either the working plane or floor
- At the brightest and darkest location inside the room
- At several locations on a vertical plane (e.g. teaching wall)

B) On your perspective sketch, guess luminance ratios for points on adjacent surfaces in your field of view that you believe to have the most impact on comfort, then measure and record the luminance, and calculate the luminance ratios.

C) Do a survey of electric light fixtures in the room. Note the fixtures that were on for parts A and B. Determine (or make educated guesses) about lamp types and wattages of each fixture. Calculate LPD.

. Take a photo of the place measured so you remember it later.

Exercise 2: Documenting Luminance with HDR Photography



A) Find a room nearby you feel is either particularly visually comfortable or uncomfortable (Can be same or different room from Exercise 1). If a different room than Exercise 1, do a quick perspective sketch, and guess luminance ratios for points on adjacent surfaces in your field of view that you believe to have the most impact on comfort.

B) Follow the attached tutorial for creating an HDR image of the view in your sketch.