Light polarization: Lesson 1

Task 1. Put some polarizer on the table and answer the following questions based on your experiments. a) The table is a re-emitter because light scatter off it. Does the brightness of the light scattered from the table change as it passes through a polarizer? Make a drawing! b) Does the brightness of light passing through the polarizer change when it is rotated on the table? Compare with the previous result. Make a drawing! c) Place two polarizers on top of each other so that they are in the same position. What do we see? Let's make a drawing! d) Rotate the two polarizers together, so the position of the two plates relative to each other does not change. What do we find? Make a drawing! e) Constantly change the angle of the two polarizers (they are in the same plane). What do we find? Let's make a drawing! f) Let's summarise our experiences!

