

CS 445 Laboratory 5

In this lab, write a program that will configure and read the Lego Light Sensor. Then, test the ability of the light sensor to determine distance, its resolution in distinguishing lines and its ability to differentiate color. Report on your findings in a written report in class on March 11.

Your report should cover things like the range of the light sensor, its apparent aperture (how well it does on things that are off center), the width of a black line on a white background that it can perceive and how well it distinguishes between simple colors like red, white, gray, black, blue and green (brick colors). Tables are great where appropriate.