Light Sensor ( Extra assignment) Cindy Quintero

For my individual assignment I got to measure light at the Academy o Fine Arts and Design Aruba. I measured the light at three different places; first I found a dark corner close to the The parameter measured is [TSL2591](http://www.adafruit.com/datasheets/TSL25911_Datasheet_EN_v1.pdf) (**Air 03 - Lux Sensor)** the luminous flux this indicates the light levels/ intensity in an area. The decrease and increase of the numbers depends on the area and how much light there is in this area. It is important to be able to measure this, because for example at the airport we need to be able to measure the light visibility if fog comes and airplanes cannot see the track clearly, or even for living organisms like plants that need light to live.

At the three different locations the lux values were different. At the bright open space location the numbers were bouncing between 500 and 600, but kept rising. At the dark space the numbers were 0, 1, 2 and 3. Than outside the numbers skyrocketed to above the 1000.

All of the things that were being measured were; visible: the amount of light that we get in our eye from the sun; lux: the intensity of light; IR: infrared radiation; MS: LED light and Full.





