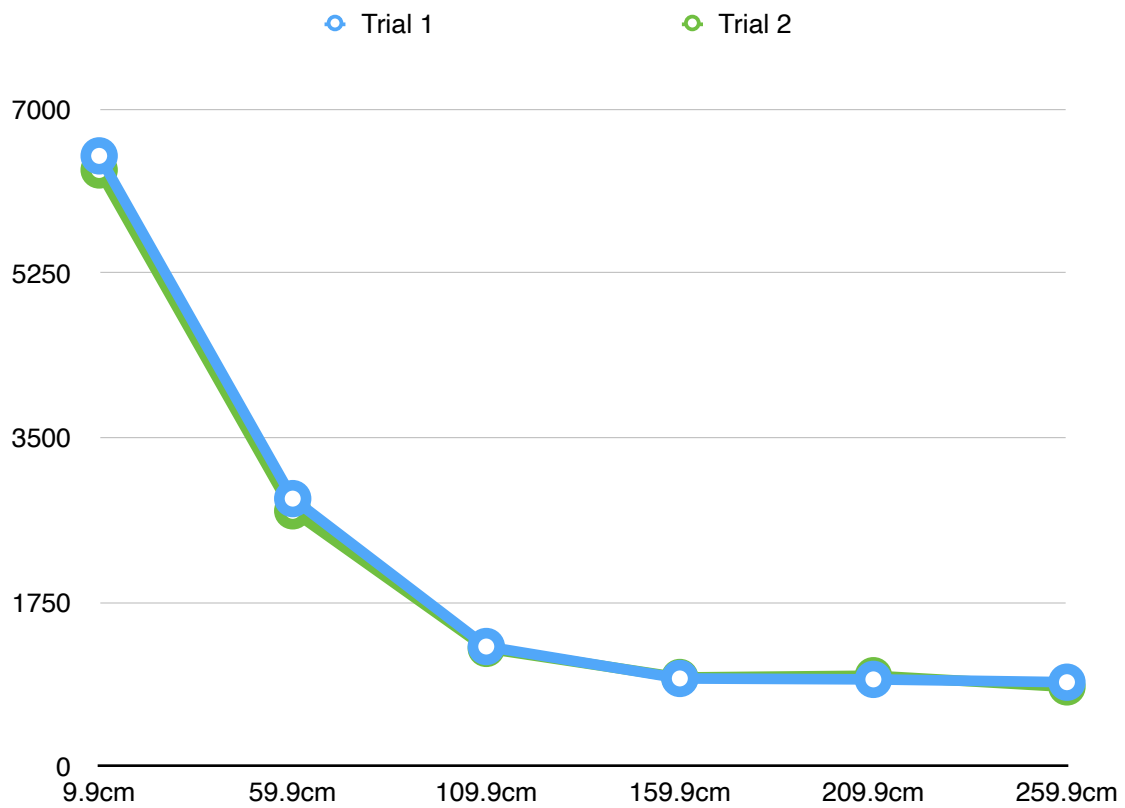
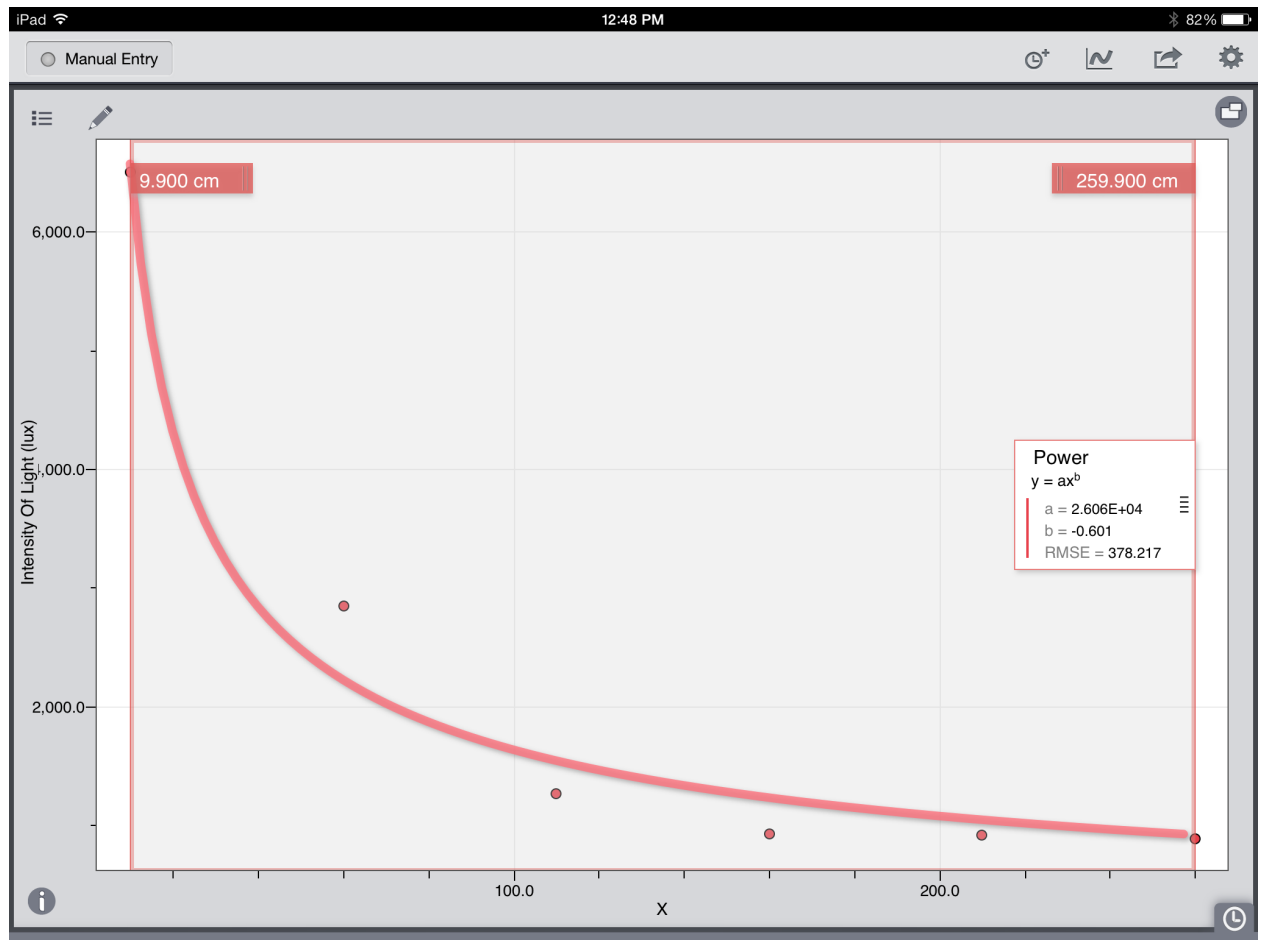


## Light Intensity and Distance

Distance:	Trial 1: (Fc)	Trial 2:
9.9 cm	6500 lux	6350 lux
59.9 cm	2850 lux	2720 lux
109.9 cm	1275 lux	1255 lux
159.9 cm	935 lux	945 lux
209.9 cm	925 lux	964 lux
259.9 cm	895 lux	845 lux





This graph shows that as the distance increases the intensity of light supplied from the lamp decreases with inverse relationship. The intensity of light equals  $2.6 \times 10^4$  times distance from light to the power of -0.601