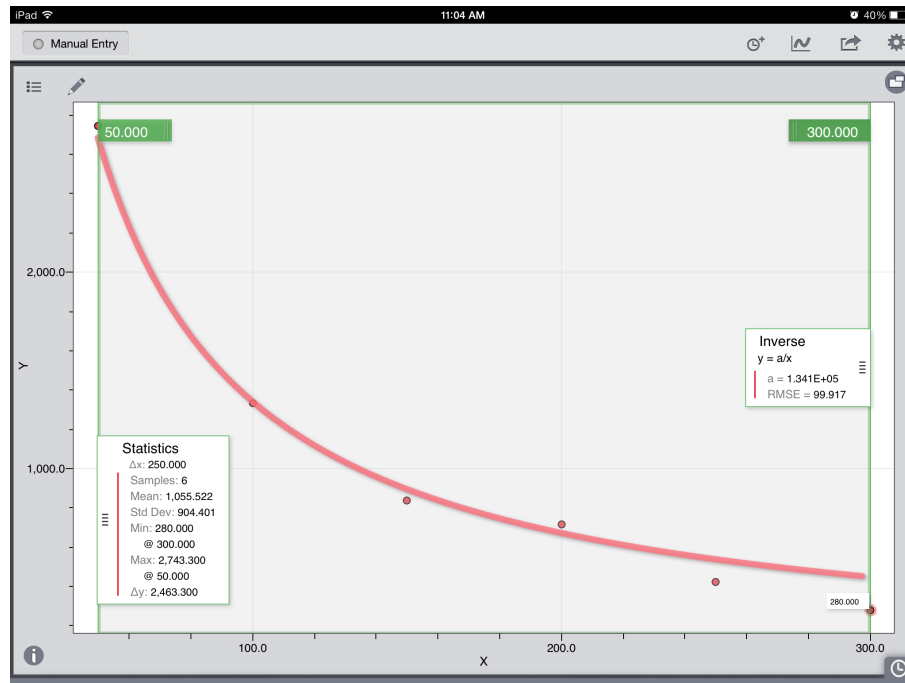


Lighting Intensity



Height (cm)	Trial 1 (Lux)	Trial 2 (Lux)	Trial 3 (Lux)	Average
50	2930	2600	2700	2743.3
100	1350	1370	1280	1333.3
150	750	850	910	836.6
200	590	760	800	716.6
250	400	440	430	423.3
300	300	290	250	280

The data shows that the farther away you get from the light the less intense the light gets. It wasn't linear constant but it was an inverse constant. The graph I used was inverse. It is about 90 points off. Its equation is a/x . It works with power as well but it was really close so I just chose this because it was easier.