Tevin Hendess

**Prelab 3**

|  |  |  |  |
| --- | --- | --- | --- |
|  | | RL1 = 10kΩ | |
| Distance (in) | Distance (mm) | Vout (V) | IRL (mA) |
| 0.0 | 0.0 | 0 | 0.00 |
| 0.05 | 12.7 | 2.5 | 0.50 |
| 0.1 | 25.4 | 6.25 | 1.25 |
| 0.15 | 38.1 | 5 | 1.00 |
| 0.2 | 50.8 | 2.5 | 0.50 |
| 0.25 | 63.5 | 1.25 | 0.25 |
| 0.3 | 76.2 | 0.85 | 0.17 |
| 0.35 | 88.9 | 0.75 | 0.15 |
| 0.4 | 101.6 | 0.65 | 0.13 |
| 0.45 | 114.3 | 0.55 | 0.11 |
| 0.5 | 127 | 0.5 | 0.10 |

A graph with blue and orange dots

Description automatically generated