$$\begin{split} V_0 = 3, 3V \frac{R_p}{R_p + 10K\Omega} \\ V_0(R_p 10K\Omega) = 3, 3R_p \\ R_p = V_0 \frac{10K\Omega}{3, 3V - V_0} \\ \log(R_p)\text{-}\log(10K\Omega) = \gamma_{10}^{100}[\log(lux) - \log(1)] \end{split}$$