

```
void setup() {  
  Serial.begin(115200);  
  pinMode(13,OUTPUT);  
}  
  
void loop() {  
  int AN0 = analogRead(A0);  
  float V = 5.0*AN0/1023.0;  
  float R = V*10000.0/(5.0-V);  
  float Lux = 12518930*pow(R,-1.4);  
  Serial.print(AN0);  
  Serial.print(",");  
  Serial.print(V);  
  Serial.print(",");  
  Serial.print(R);  
  Serial.print(",");  
  Serial.println(Lux);  
  digitalWrite(13,0);  
  if(Lux>60)  
    digitalWrite(13,1);  
  if(Lux<20)  
    delay(200);  
}
```