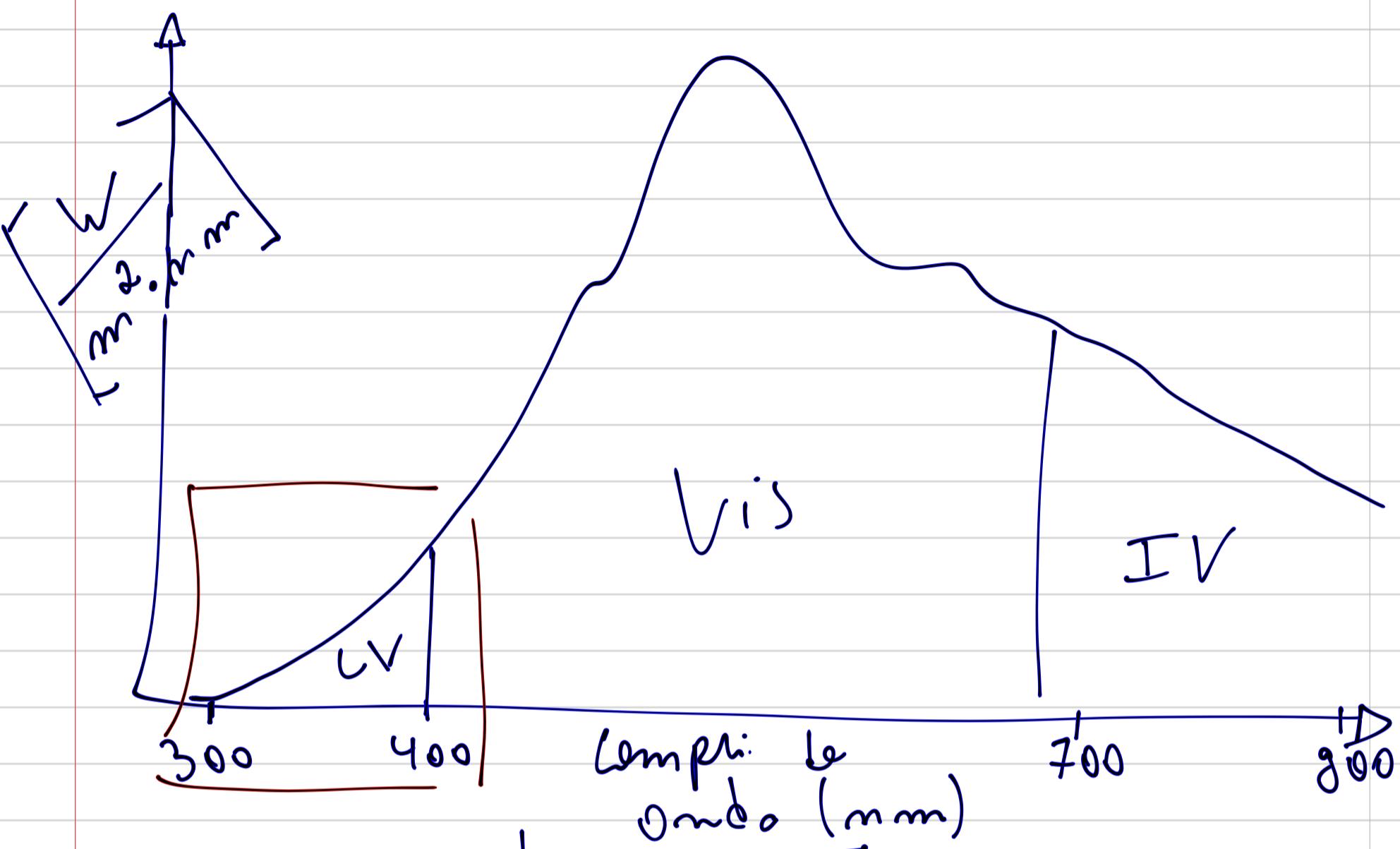
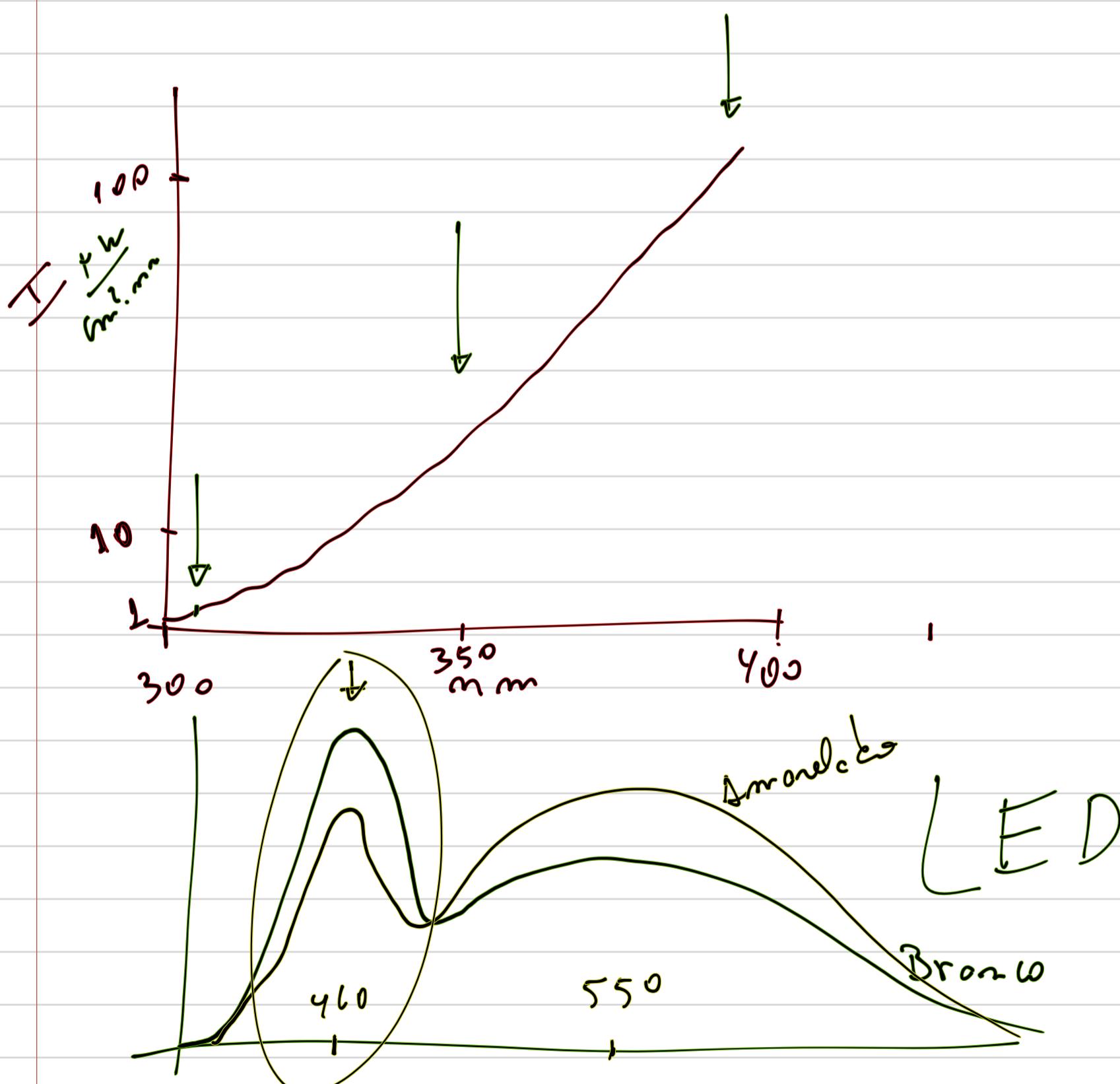
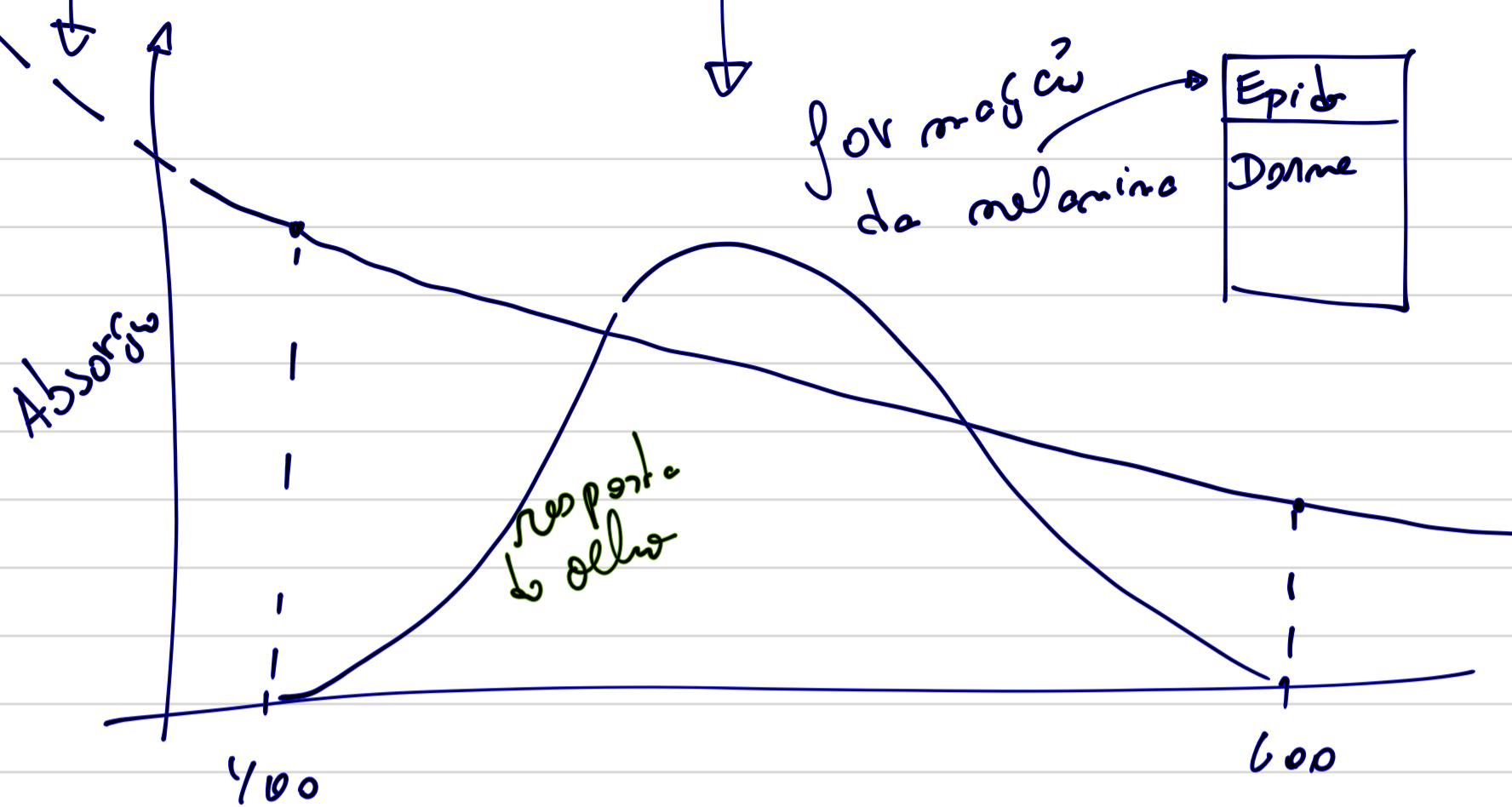


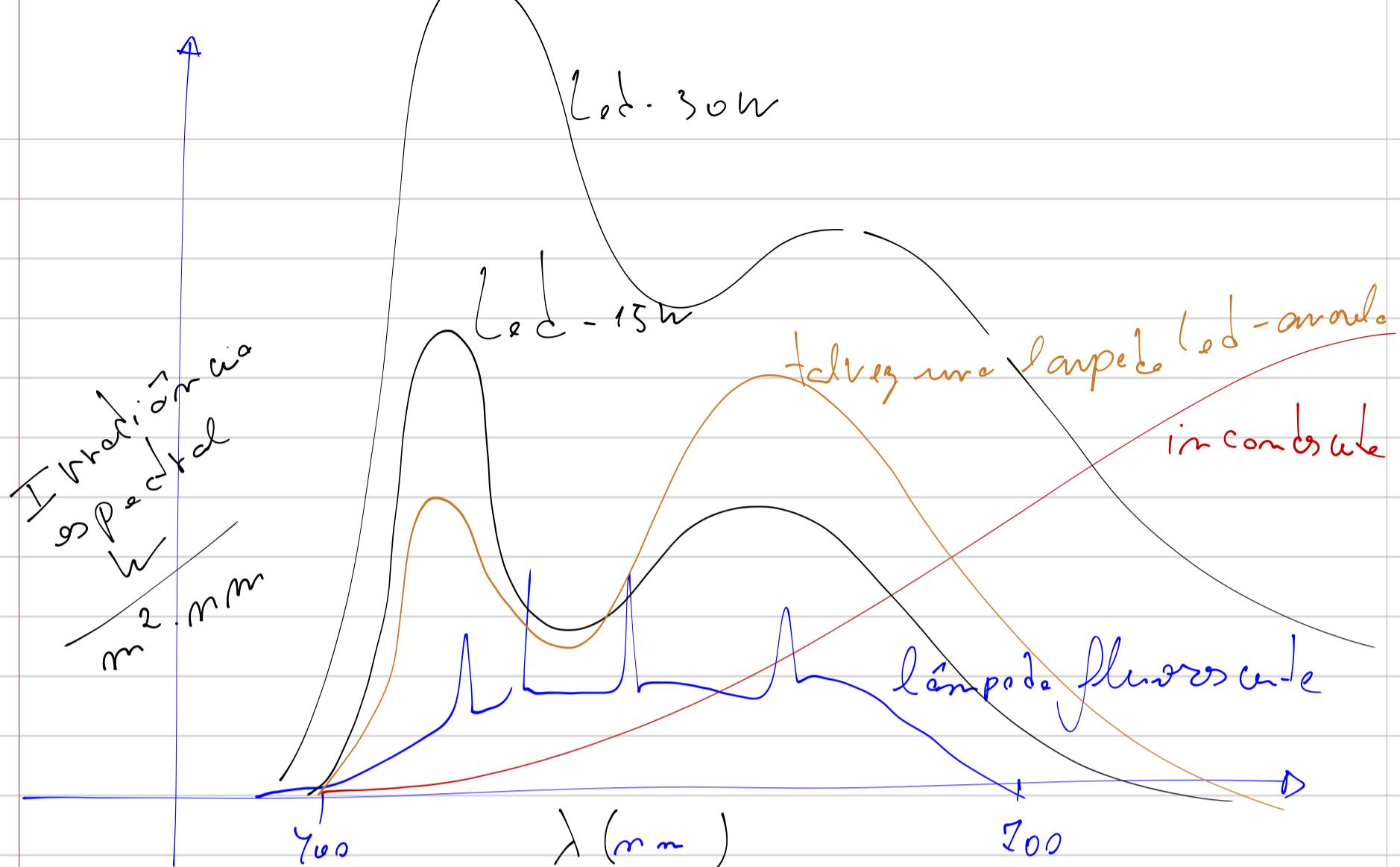
Radio y Ultravioleta



$$I \Rightarrow \left[\frac{\text{Potencia}}{\text{área} \cdot \text{leng. de onda}} \right]$$

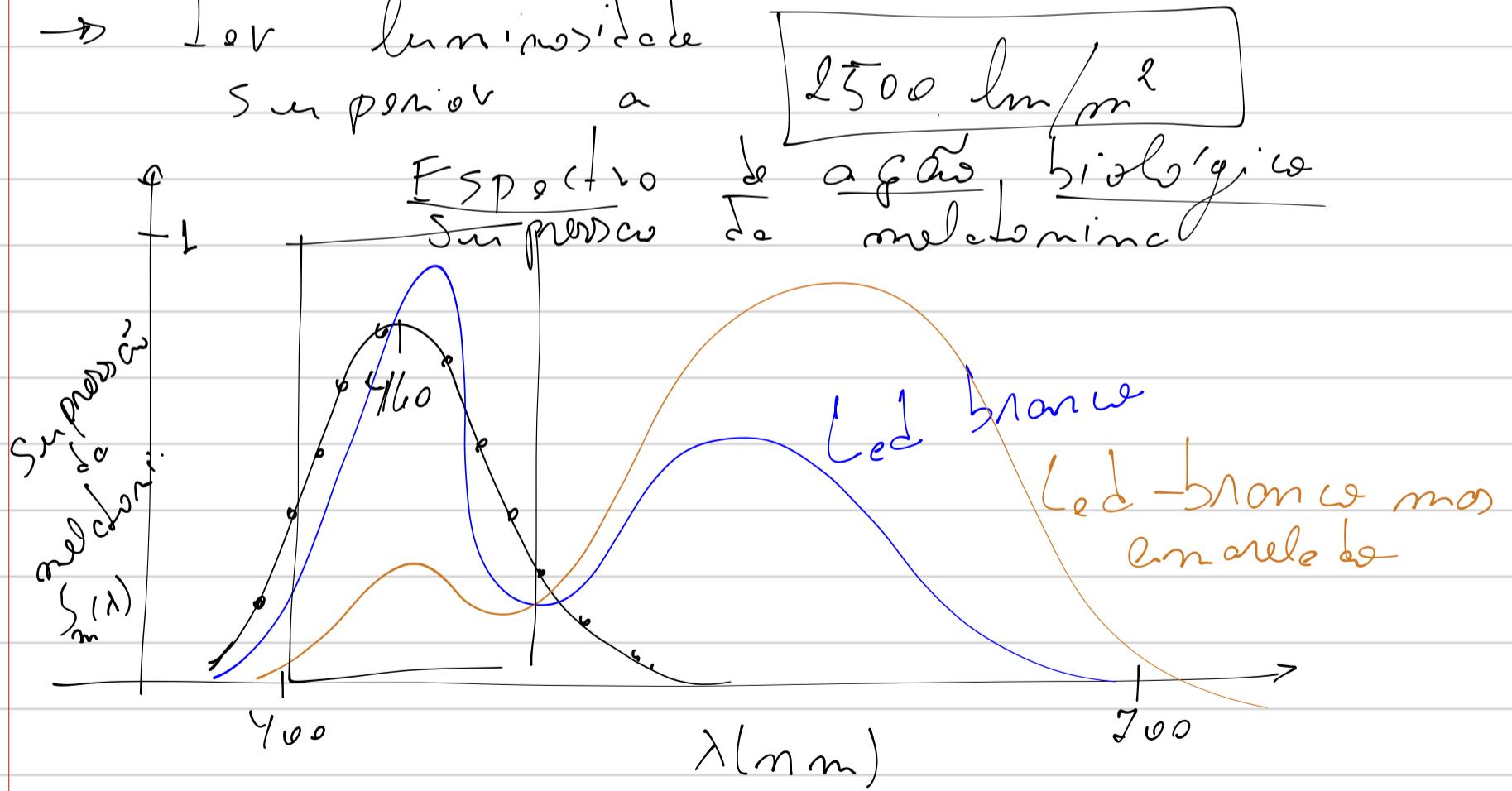
$$E = hf = \frac{hc}{\lambda}$$





→ a-amino → Suprimin a → melatonin

→ Lor luminosidade
Superior, a



Led blow - Sur prime mais c melancholic
n n amarel! n mew " "

maior longura de
 melanina \Rightarrow mais calor

Solução p/ os animais dormir

se usar um luz sem ruídos
composto no água

— x — x — x — x —

\rightarrow led - água - lâmpada \rightarrow pico em 460nm

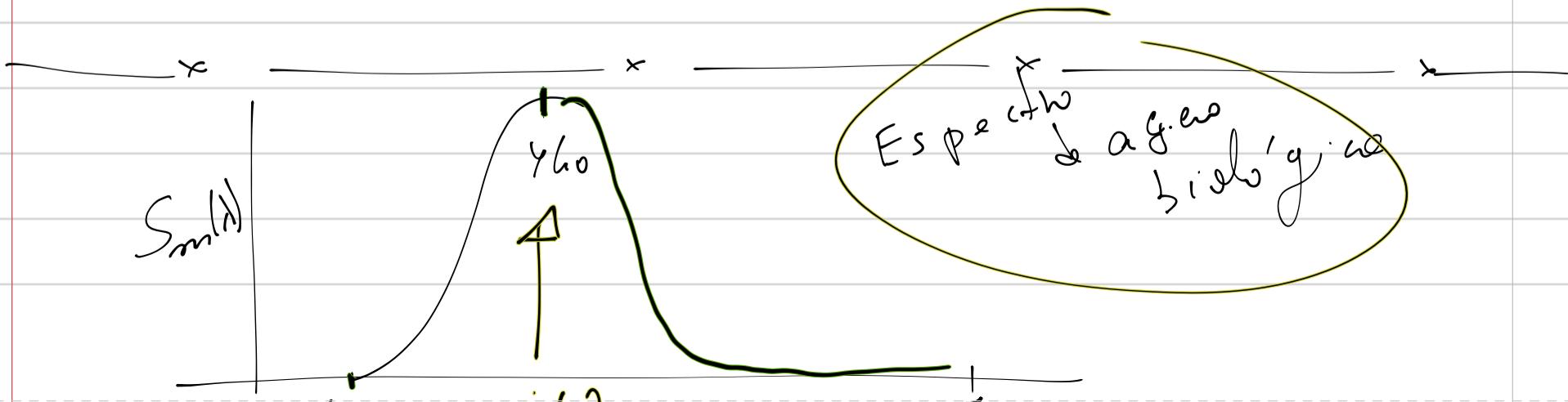
— x — x — x —

Intensiva para impressão

$$\int_{320}^{760}$$

$$I_{\text{ef}} = K \int I(\lambda) \cdot S_m(\lambda) d\lambda =$$

K = constante

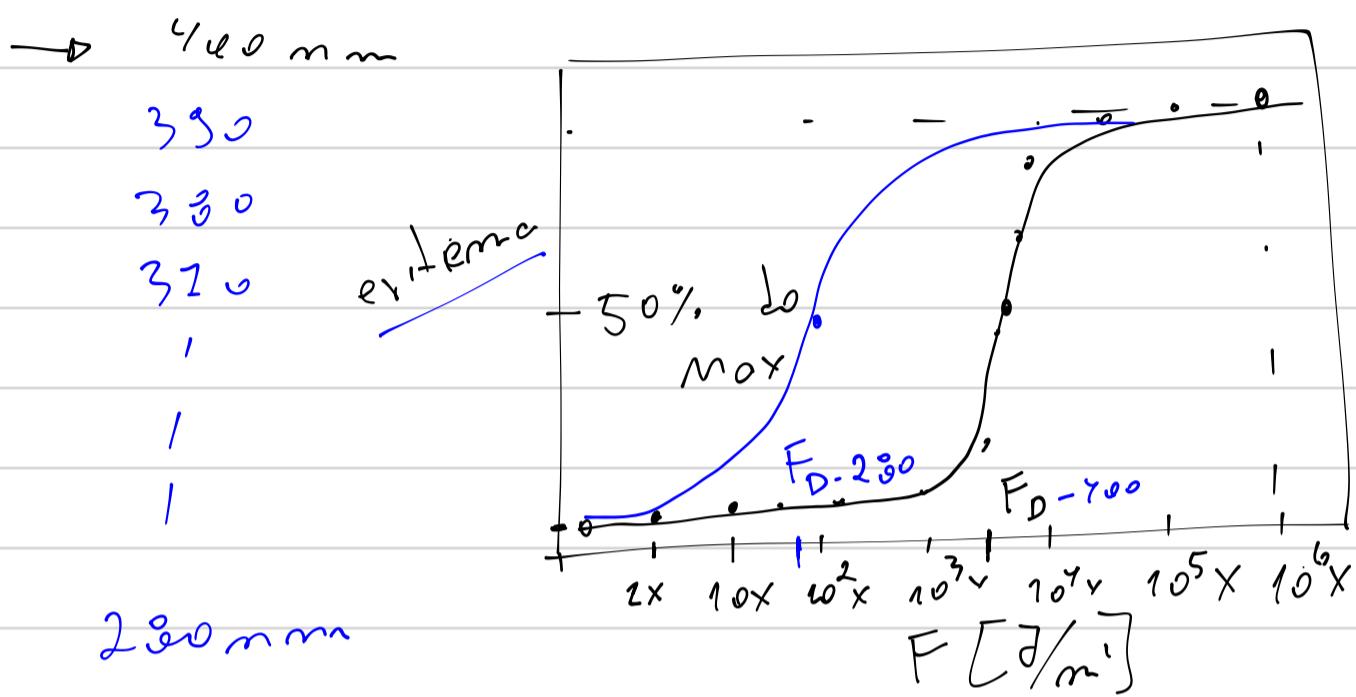


Esp \downarrow \rightarrow ag. \downarrow
 biologia

PILED

Formagão de Eritema

Sol \rightarrow 280 \rightarrow 400 nm



(280 - 400)

Sol

filter

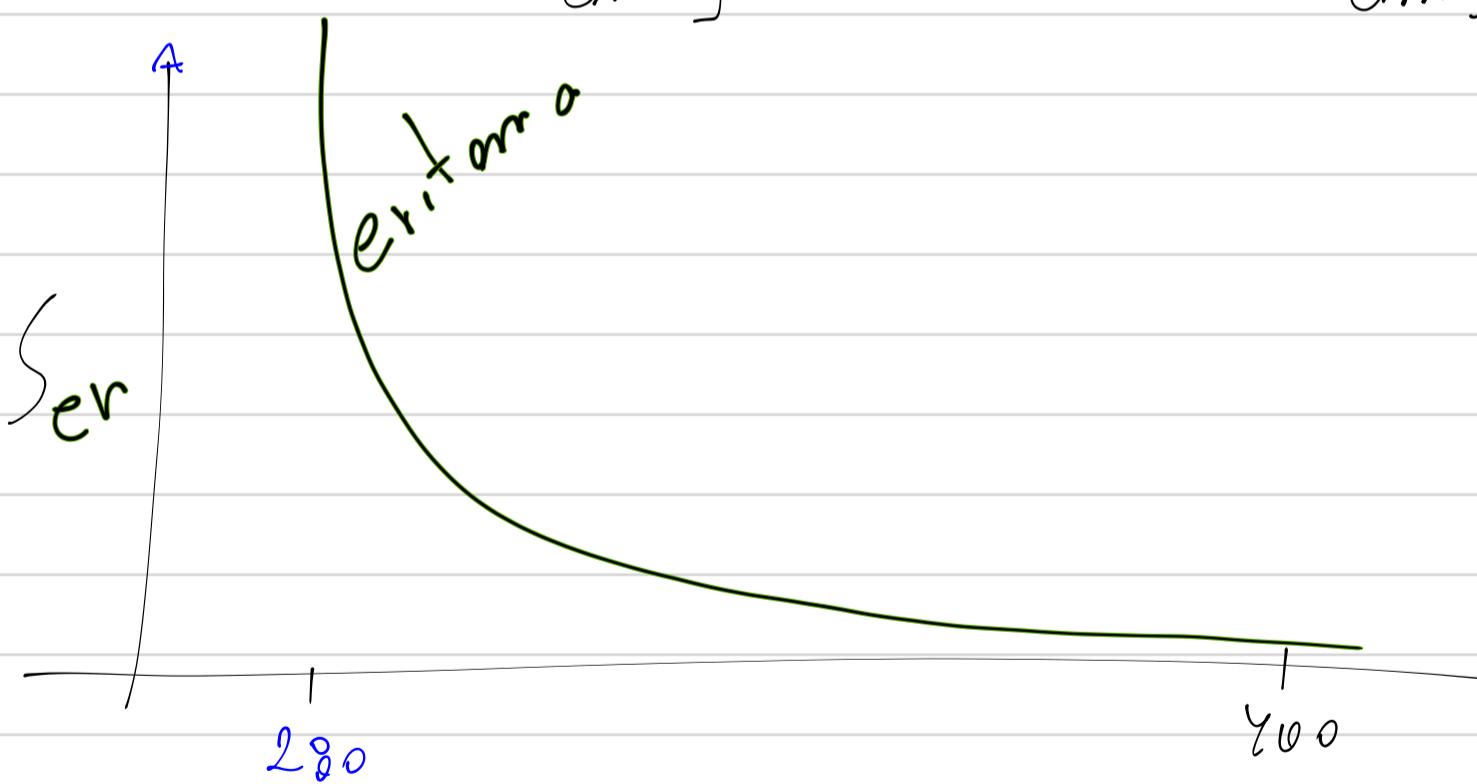
400nm



$$F = \text{Fluêncio} \left[\frac{J}{m^2} \right]$$

$$I = \text{Intensidôncio} \left[\frac{W}{m^2} \right]$$

$$F = I \cdot \Delta t = \left[\frac{W}{m^2} \right] \cdot [s] = \left[\frac{J}{m^2} \right]$$



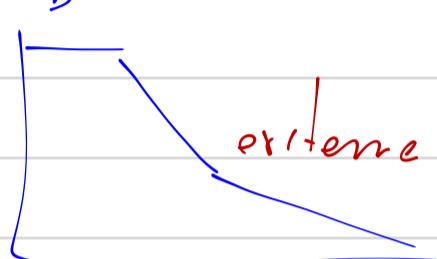
Índice UV

$10,1 \rightarrow 12,14 \rightarrow \text{elc} \odot$

$$I_{UV} = K \int_{\lambda=8:00}^{Y_{00}} I_{(x)} \cdot S_{er}(x) dx = I_{UV-8:00} = 2,2$$

$$K = Y_0 \frac{m^2}{W}$$

$$I_{UV-8:00} = 4,3$$



$$I_{UV} = \text{calculado}$$

