

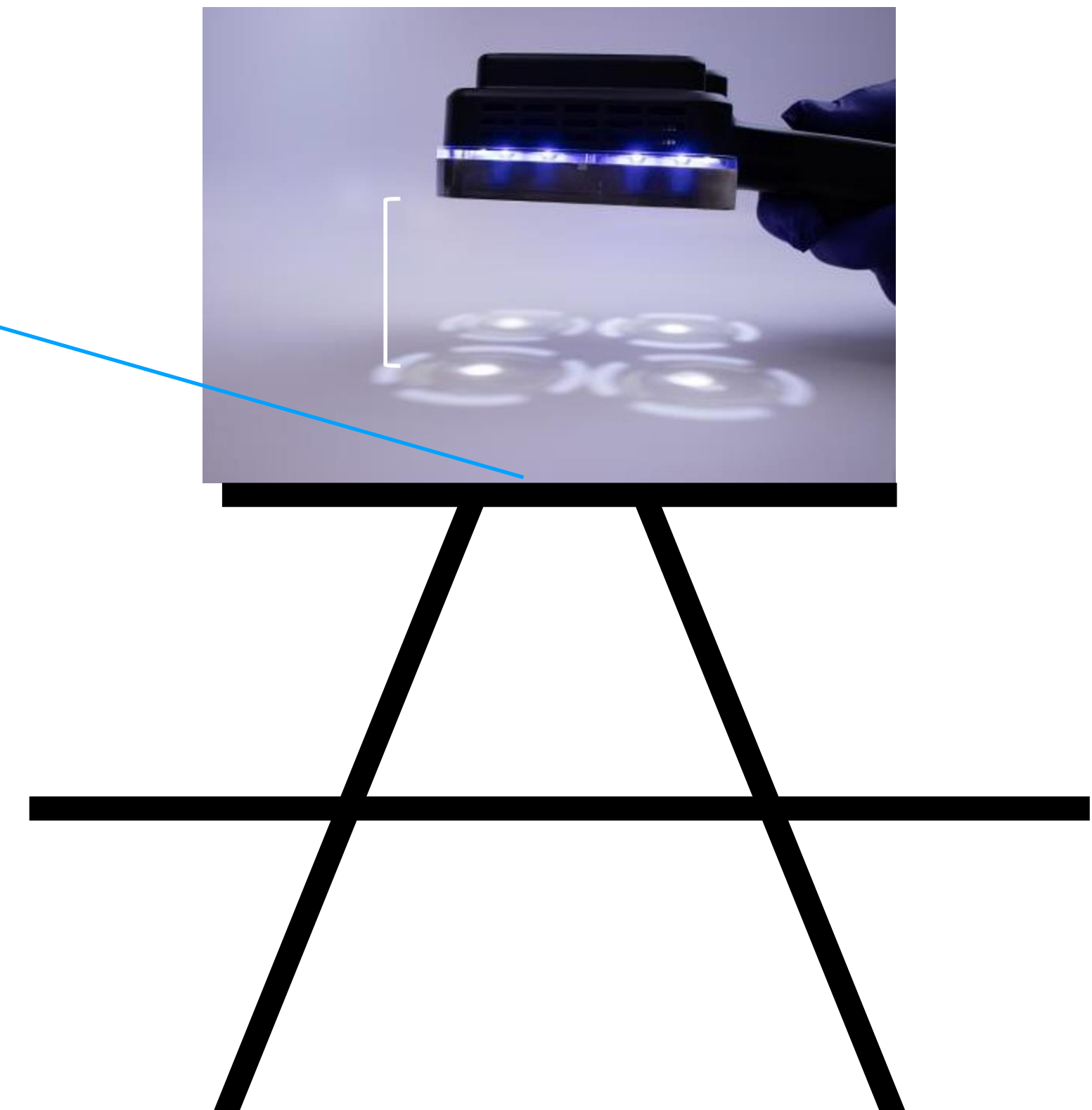
# Safe Around Other People



At **3 feet away** from NuvaWave being used properly as a surface disinfection device, an **unprotected user** can **safely be exposed** to UVC **for between 1 to 60 minutes**, depending on surface materials.



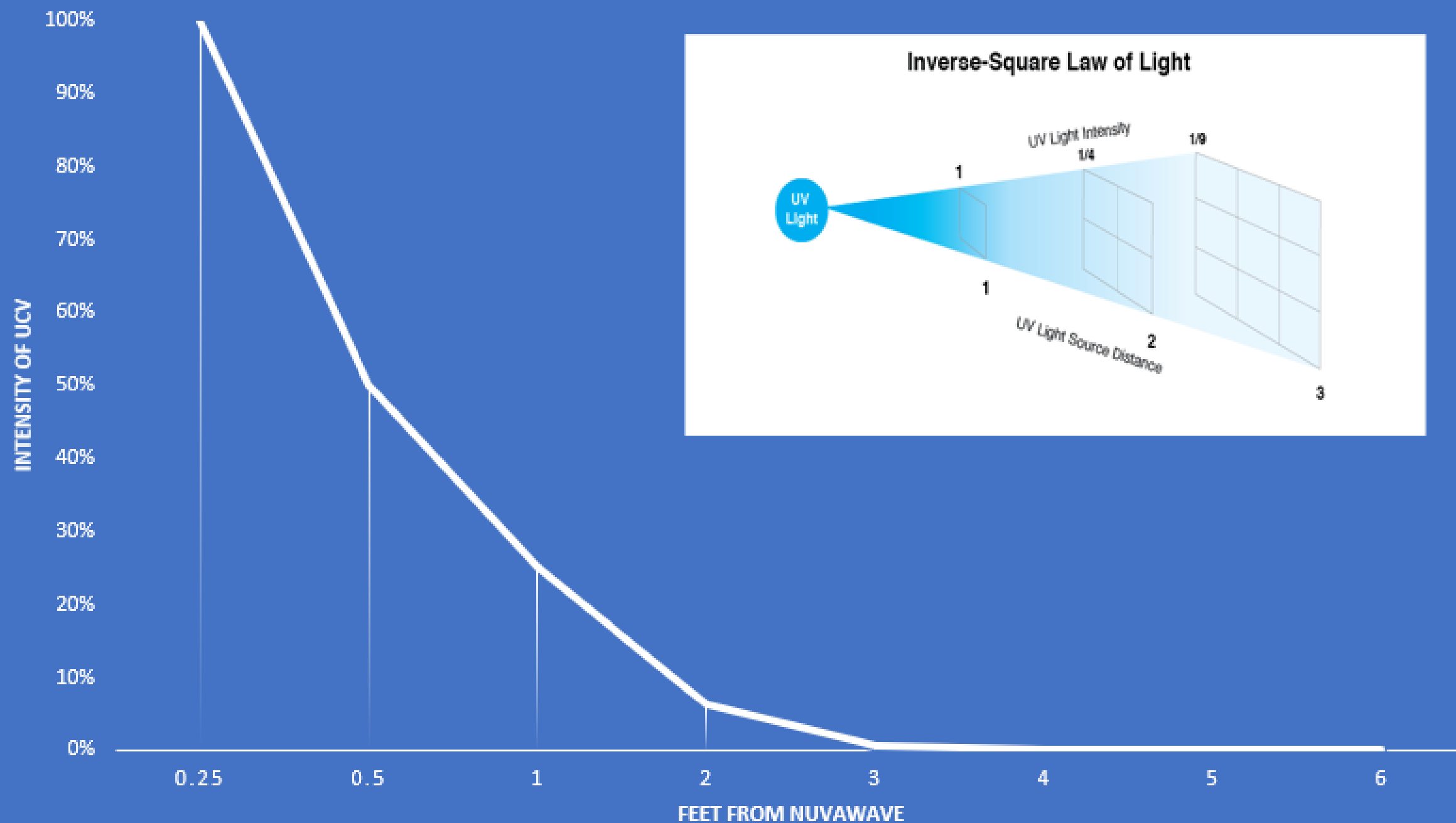
Surface	Time (minutes) to reach Daily Dosage (3 mJ/cm <sup>2</sup> )
Phone	1.2
Mirror	2.2
Granite Counter top	2.3
Faucet	9.3
Metal Door Push plate	9.4
Formica counter top	19.2
Glass door	61.7



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UVC INTENSITY FALLS OFF EXPONENTIALLY



- Because UVC is a short wavelength of light, the further away from the light, the exposure rate falls off exponentially. Thus, any exposure that could cause discomfort to humans **would need to be extensive and intentional**.
- The absorption length of UVC radiation in human skin is extremely short so that almost no UVC can reach the living cells in the skin; all the absorption occurs in the dead cell layers.
- The eye is much more sensitive to UVC than the skin. At 4 inches of direct exposure to eyes for more than 1 second exceeds the safe threshold limit of an 8-hour day.
- This type of exposure to **eyes would also need to be extensive and intentional**. Eye exposure to UVC can cause Photokeratitis (sensitivity to bright light) or Conjunctivitis (inflammation of membrane covering the eye) resulting in discomfort and a sensation of sand in the eyes.