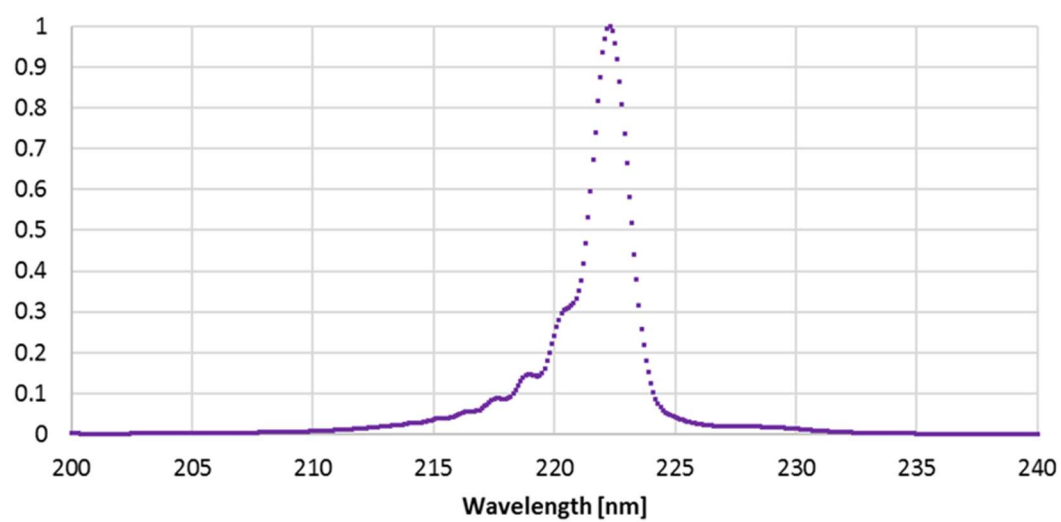


**Figure S1.** Rendering of the aluminum tunnel constituting the irradiation chamber.



**Figure S2.** Emission spectrum of the Ushio lamps showing the 222 nm peak.