Figure (a) shows the photoluminescence (PL) intensity as a function of wavelength for different air opening sizes and a unpatterned area. The graph captures the PL intensity in arbitrary units (a.u.) across wavelengths ranging from 300 nm to 900 nm. The different curves represent 400 nm air opening, 300 nm air opening, 200 nm air opening, and a unpatterned area.

Figure (b) presents similar data with a focus on grating periods of 500 nm, 600 nm, and 700 nm. The graph also includes a unpatterned area curve for comparison. The PL intensity values are plotted against the wavelength range of 300 nm to 900 nm.