Can we move photons?

The system of spatially separated electrons and excitons in an optical microcavity and formation of the polaritons - superposition of photons and excitons, are discussed. It is shown that at low temperature an electron current induces the polariton flow, therefore, a transport of photons along the cavity. However, the superfluid polariton component does not contribute to the electron drag. Possible experiments for the observation of electron–polariton drag effects are discussed as well.