Field dependence of thermal conductivity in the superconducting state of M.A. TANATAR, University of Toronto, J. PAGLIONE, LOUIS TAILLEFER, University of Sherrbrooke, C. PETROVIC, Brookhaven National Laboratory, P. CANFIELD, AMES Laboratories — The thermal conductivity of heavy-fermion superconductor CeCoIn5 reveals a notable hysteresis between up and down sweeps of magnetic field, observed at low temperatures, slightly below the upper critical field Hc2. We study systematically this effect as a function of temperature and magnetic history. A possible relation to a coexisting magnetic order is discussed.