Spectral function analysis of an e-doped Hi-Tc superconductor near optimal doping, revisited FELIX SCHMITT, WEI-SHENG LEE, DONG HUI LU, WORAWAT MEEVASANA, EUGENE MOTOYAMA, MARTIN GREVEN, ZHI-XUN SHEN, Departments of Physics, Applied Physics and Stanford Synchrotron Radiation Laboratory, Stanford University, Stanford, California 94305 — By comparison with the p-doped high transition temperature superconductors, their e-doped counterparts might give further insight into the unusual underlying physics. High resolution angle-resolved photoemission spectroscopy (ARPES) data of an e-doped cuprate near optimal doping is presented to further enrich previous comprehensive work on the subject 1. Spectral function analysis is also used to discuss band renormalizations. Other findings will be discussed as well.