Figure S1. Optical profilometry with 20X objective of a (7,5) SWCNT film spray-coated onto glass revealed a significant reduction in surface roughness of the as-sprayed film (a) after soaking in toluene at 70 °C for 5 min (b).
Figure S1. Comparison of $J_{SC}$ calculated from unbiased EQE measurement, to experimental $J_{SC}$ from AM1.5 1 sun solar simulator.

Figure S2. Intensity-dependent $J_{SC}$ for a SWCNT:PV device with ~10 nm SWCNT layer and ~80 nm C₆₀ layer.