

Figure-1: Color difference from uncoated silver as a function of Al2O3 coating thickness for AOI=0-75<sup>0</sup>. (a) 99.9% Silver:  $\Delta E_{00} < 1$  for AOI=0-60° at Al2O3 thickness 80-130nm; (b) Silver with 5% Cu: no  $\Delta E_{00} < 1$  for AOI=0-60° except for sub 10nm Al2O3