

## Chapter11\_example2

### Solution to Part (a)

The solid angle subtended by area  $dA_2$  with respect to  $dA_1$  is  $4.00 \times 10^{-4}$  sr

### Solution to Part (b)

The rate at which radiation emitted by  $dA_1$  is intercepted by  $dA_2$  is  $1.39 \times 10^{-4}$  W

### Solution to Part (c)

The irradiation associated with  $dA_2$  is  $3.46 \times 10^{-1}$  W/sq.m