

Phys 481

Winter 2009

Worksheet # 4

Monday, January 12, 2009

Name

Question (5 pts):

Calculate irradiance from a 100-W light bulb 1 m away (don't worry about the exact number – an order of magnitude is good enough). Compare your result with the irradiance we obtained for a 1-mW laser.

Hint: consider the light bulb to be a point source.