

Physics 391
Lesson 3 Preflight

1. Describe in words what the magnitude and direction of the Poynting Vector mean.
2. What is irradiance?
3. Describe how irradiance is related to the photon concept. Fig 3.21 may help.
4. What is the energy and momentum carried by a photon?
5. What do Bose-Einstein statistics imply for light?