

Designing With Light

Chapter 13 Self-Evaluation

1. What unit is used to describe the intensity of light from a directional lamp?
 - a. Lumen
 - b. Candela
 - c. Footcandle
 - d. Lux
2. What is illuminance?
 - a. Light leaving a source
 - b. Light landing on a surface
 - c. Light reflected from a surface
 - d. A measurement of light intensity
3. How can you determine the amount of light required for a project? (select all that apply)
 - a. Consult the Lighting Handbook
 - b. Take measurements of similar installations
 - c. Rely on your professional experience
 - d. Ask the owner
4. Use the Point method to determine the illuminance on a surface that is 10' below a PAR lamp with a CBCP of 15,000 cd.
 - a. 750 fc
 - b. 150 fc
 - c. 15 fc
 - d. 15 lux
5. Which of the following are NOT light loss factors used in the Lumen or Zonal Cavity method?
 - a. Luminaire age depreciation
 - b. Lamp lumen depreciation
 - c. Ballast factor
 - d. Voltage factor

Answers are on the next page

Answers:

1) B

2) B

3) A, B, C

4) B

5) A