

EXITANCE PROBLEMS

More difficult problems are indicated with an asterisk.

1. A Lambert radiator has 27 ft-cd luminance. What is its luminous exitance?
- 2.* The luminance of a non-Lambert radiator varies according to $B(\theta) = B_o \cos^2 \theta$ where θ is measured from the normal to the surface. Derive an expression for the luminous exitance of this radiator in terms of B_o .

ANSWERS

1. 84.8 lm/ft²
2. $\pi B_o / 2$