

Units for measuring brightness

Radiometry vs Photometry
(photons) (perception)

Luminous flux
lumens

→ divide by solid angle → Luminous intensity
candela (lm/sr)

→ divide by area → Luminance
nits (cd/m²)

↓ divide by area

Illuminance
lux (lm/m²) (foot-candle)
1 fc ≈ 10.8 lux

Steradian

area of sphere
 $4\pi r^2$

$\Omega = \frac{A}{r^2}$