18 An astronaut observes a point source of light from a distance in space. The diameter of the pupil of his eyes is 5.0 mm. The minimum power of light that a human eye can detect is 2.0×10^{-13} W.

If the power of the light emitted by the source is 10 W, which statement about the distance at which the astronaut can see the light source is correct?

A The astronaut can see the light source at a minimum distance of 8800 m.

B The astronaut can see the light source at a maximum distance of 8800 m.

C The astronaut can see the light source at a minimum distance of 17700 m.

D The astronaut can see the light source at a maximum distance of 17700 m.