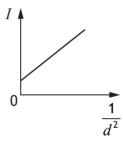
**14.** A student carries out an experiment to investigate how irradiance varies with distance.

A small lamp is placed at a distance d away from a light meter. The irradiance I at this distance is displayed on the meter. This measurement is repeated for a range of different distances.

The student uses these results to produce the graph shown.



The graph indicates that there is a systematic uncertainty in this experiment.

Which of the following would be most likely to reduce the systematic uncertainty in this experiment?

- A Repeating the readings and calculating mean values.
- B Replacing the small lamp with a larger lamp.
- C Decreasing the brightness of the lamp.
- D Repeating the experiment in a darkened room.
- E Increasing the range of distances.