

**29** Light of wavelength 567 nm is incident normally on a diffraction grating. The grating has 400 lines per mm. A number of diffraction maxima are observed on the far side of the grating.

What is the angle between the second-order maximum and the third-order maximum?

**A** 13.1°

**B** 13.9°

**C** 15.9°

**D** 27.0°