

Nikon



Technical Guide

D800

D800E



En

3. Improving Optical Performance

Stopping aperture down increases depth of field, making the foreground and background sharper. Stop aperture down too far, however, and diffraction will actually cause the image to lose definition. The effects of diffraction are partly influenced by the size of the pixels in the camera image sensor, but with the D800/D800E's high resolution the effects generally become noticeable around $f/11$. When you need more depth of field, don't just immediately stop the lens all the way down; instead, look for the aperture that offers the best balance between sharpness and depth of field. In the examples on this page, you can see the grid lose definition as aperture is stopped down past $f/11$.



f/8



f/11



f/16



f/22