

Foreword to the American National Standard edition

This national standard establishes uniform practices for drawing notations for optical elements and assemblies. It is based entirely on the international standard, ISO 10110-14:2007.

In its implementation as a national standard, there are no accommodations necessary for standard practice in the United States. It has therefore been adopted without modification. There are 3 points that should be considered.

- 1) The default wavelength in the United States is the red HeNe line, 632.8 nm.
- 2) The decimal point may be used instead of the decimal comma. These two notations should not be mixed on a single drawing.
- 3) No provision is given for the specification of a Peak to Valley (P-V) tolerance for the total surface deviation. If such a specification is necessary, this information shall be given in a note on the drawing. Peak to valley is defined as the peak to valley value of the wavefront deformation function f_{WD} defined in section 3.2.3 of ISO-14999-4:2007