

Section 1: Visual Color Maps

Visual Color Maps of An Alexandrite wafer with 15 and 25 mm path lengths

Appendix Figure 1

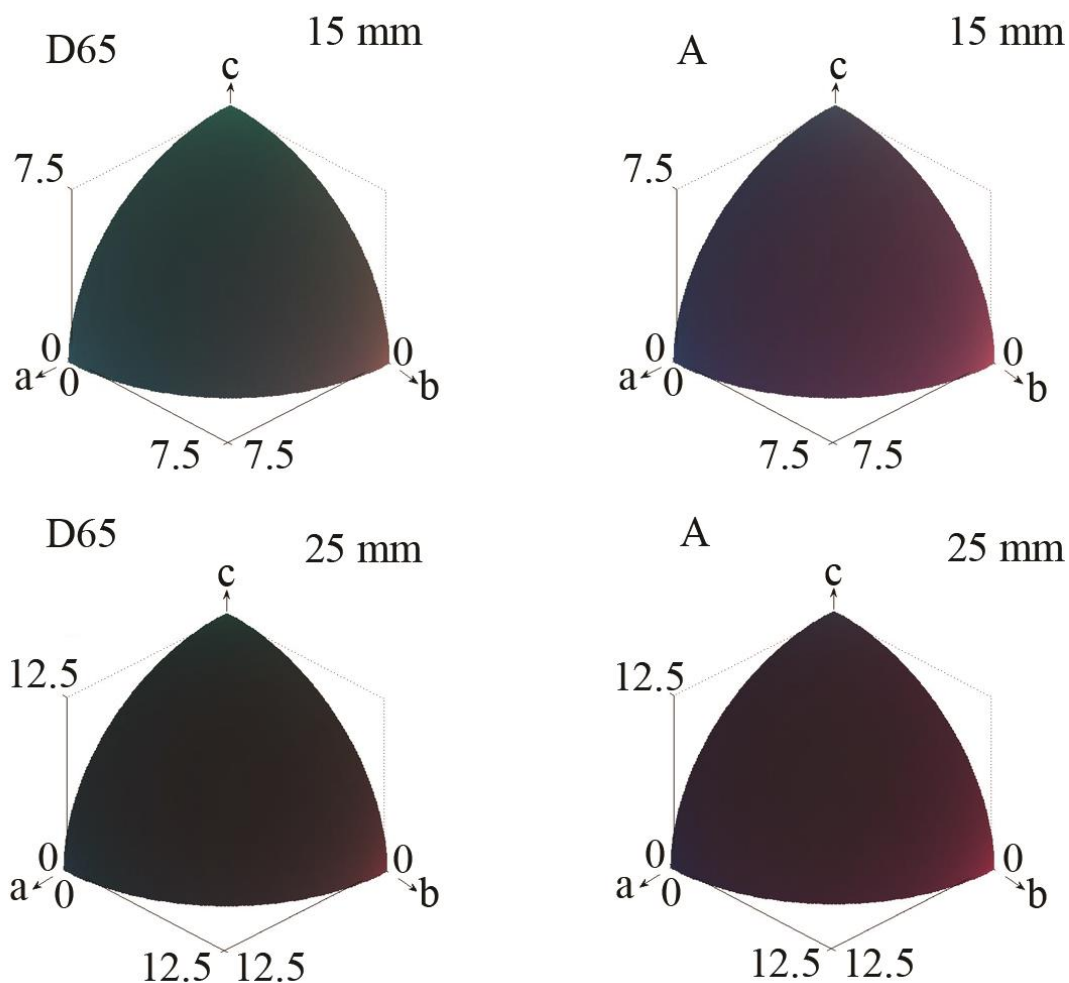


Figure 1. Visual color maps of an alexandrite wafer with 25mm path length. The left image is the visual color seen under CIE D65 illumination, while and right image is the visual color seen under CIE A illumination.

Section 2: Colorimetric Parameter Maps

Chroma Maps under CIE A Illumination from 1mm to 25mm path lengths

Appendix Figure 2

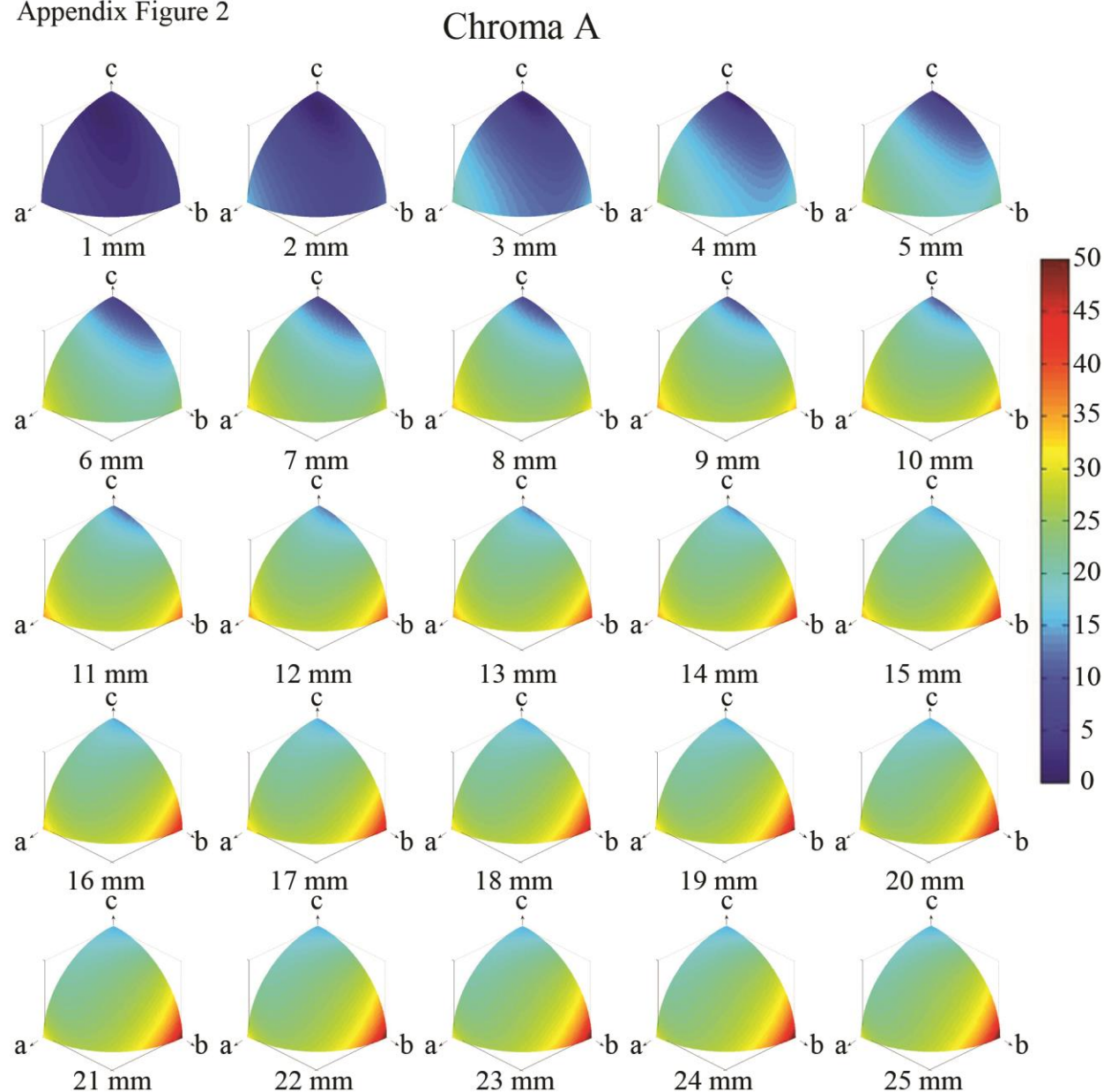


Figure 2. The colorimetric parameter maps of Chroma under CIE A illumination from 1mm to 25mm path lengths are shown above. The range of the scale bar is from 0 to 50.

Chroma Maps under CIE D65 Illumination from 1mm to 25mm path lengths

Appendix Figure 3

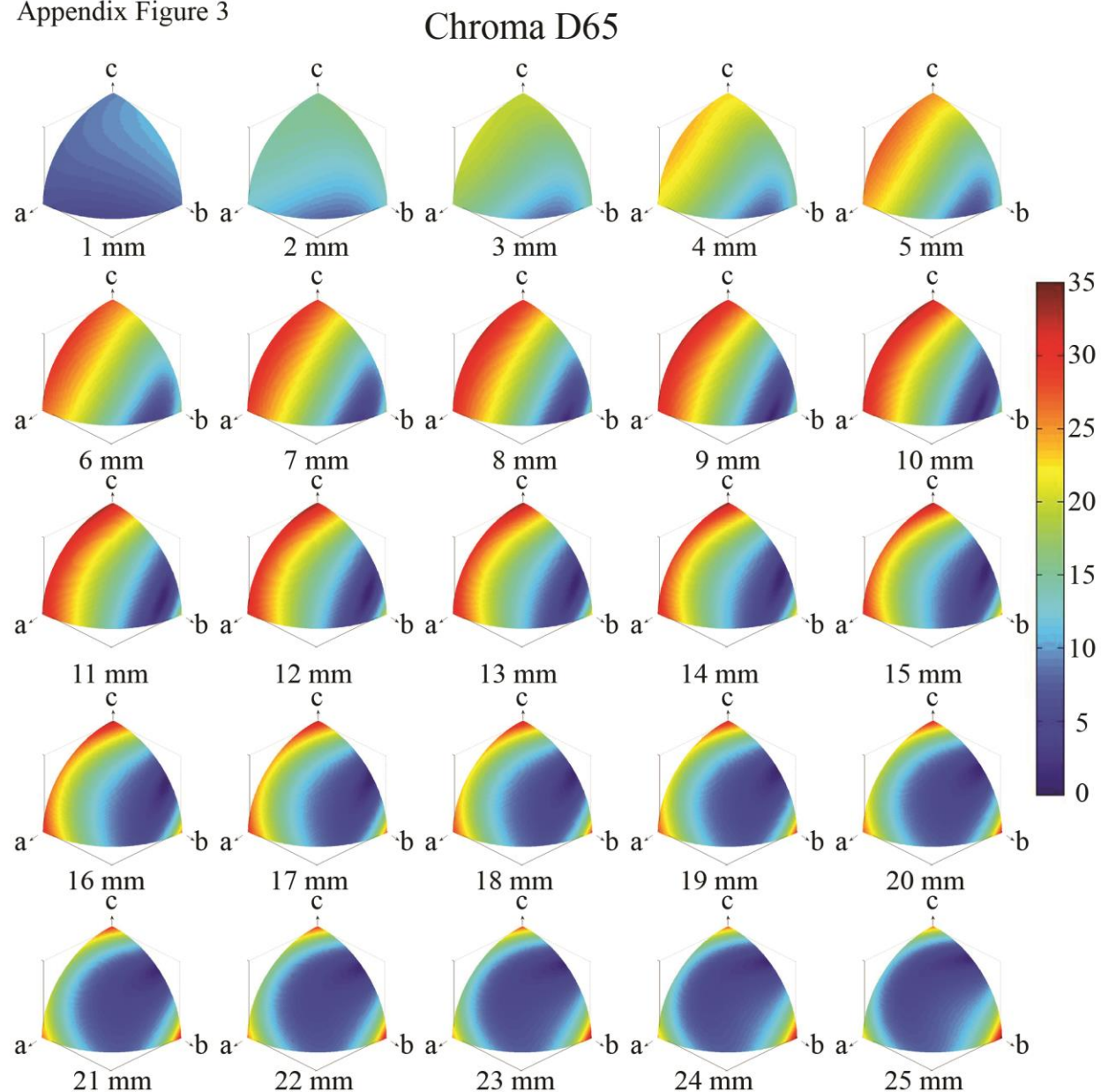


Figure 3. The colorimetric parameter maps of chroma under CIE D65 illumination from 1mm to 25mm path lengths are shown above. The range of the scale bar is from 0 to 35.

Chroma Difference Maps from 1mm to 25mm path lengths

Appendix Figure 4

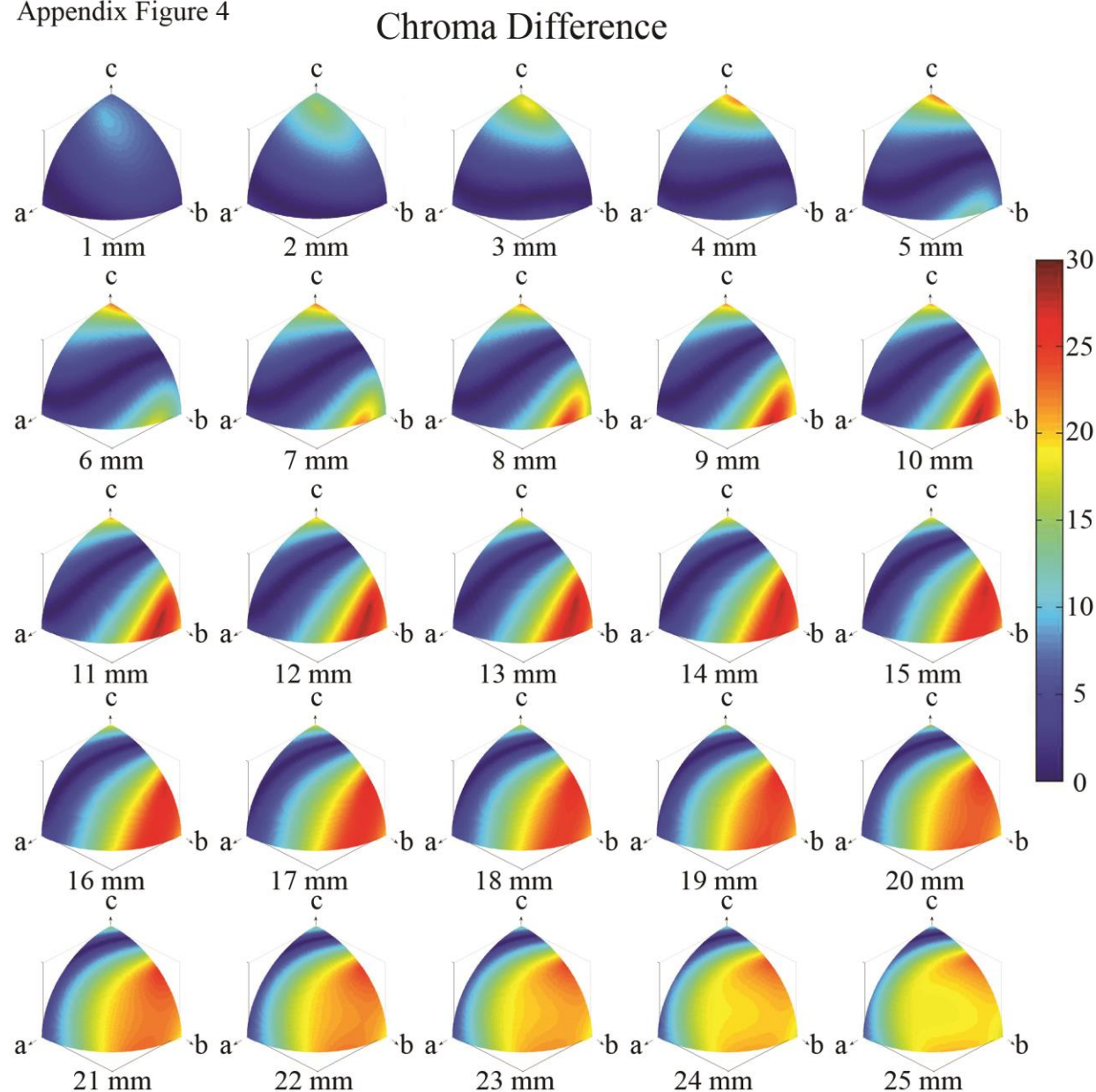


Figure 4. The colorimetric parameter maps of chroma difference between CIE D65 illumination and CIE A illumination from 1mm to 25mm path lengths are shown above. The range of the scale bar is from 0 to 30.

Hue Angle Difference Maps from 1mm to 25mm path lengths

Appendix Figure 5

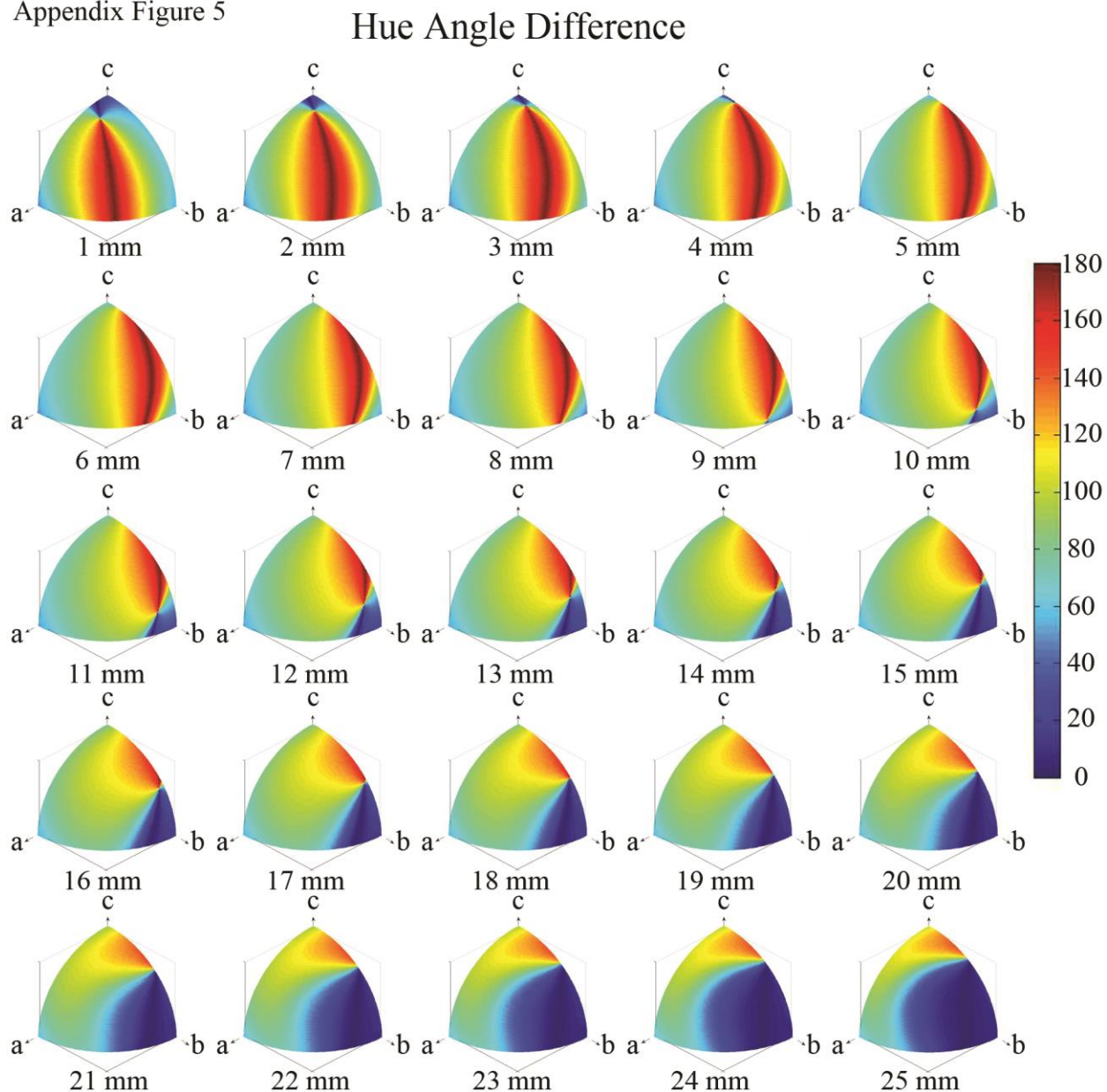


Figure 5. The colorimetric parameter maps of hue angle difference between CIE D65 illumination and CIE A illumination from 1mm to 25mm path lengths are shown above. The range of the scale bar is from 0 to 180 degree.

Color Difference Maps from 1mm to 25mm path lengths

Appendix Figure 6

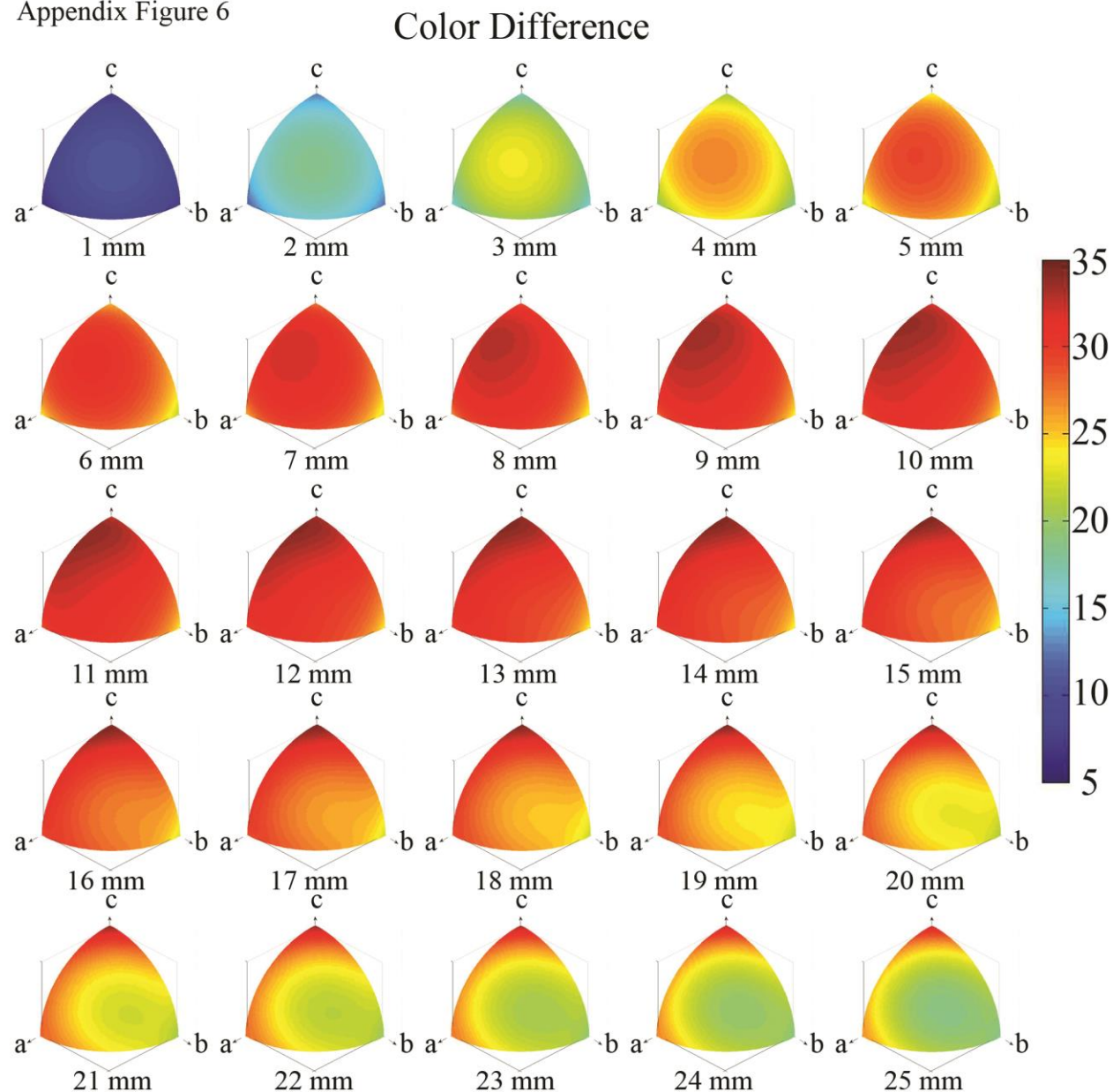


Figure 6. The colorimetric parameter maps of color difference between CIE D65 illumination and CIE A illumination from 1mm to 25mm path lengths are shown above. The range of the scale bar is from 5 to 35.