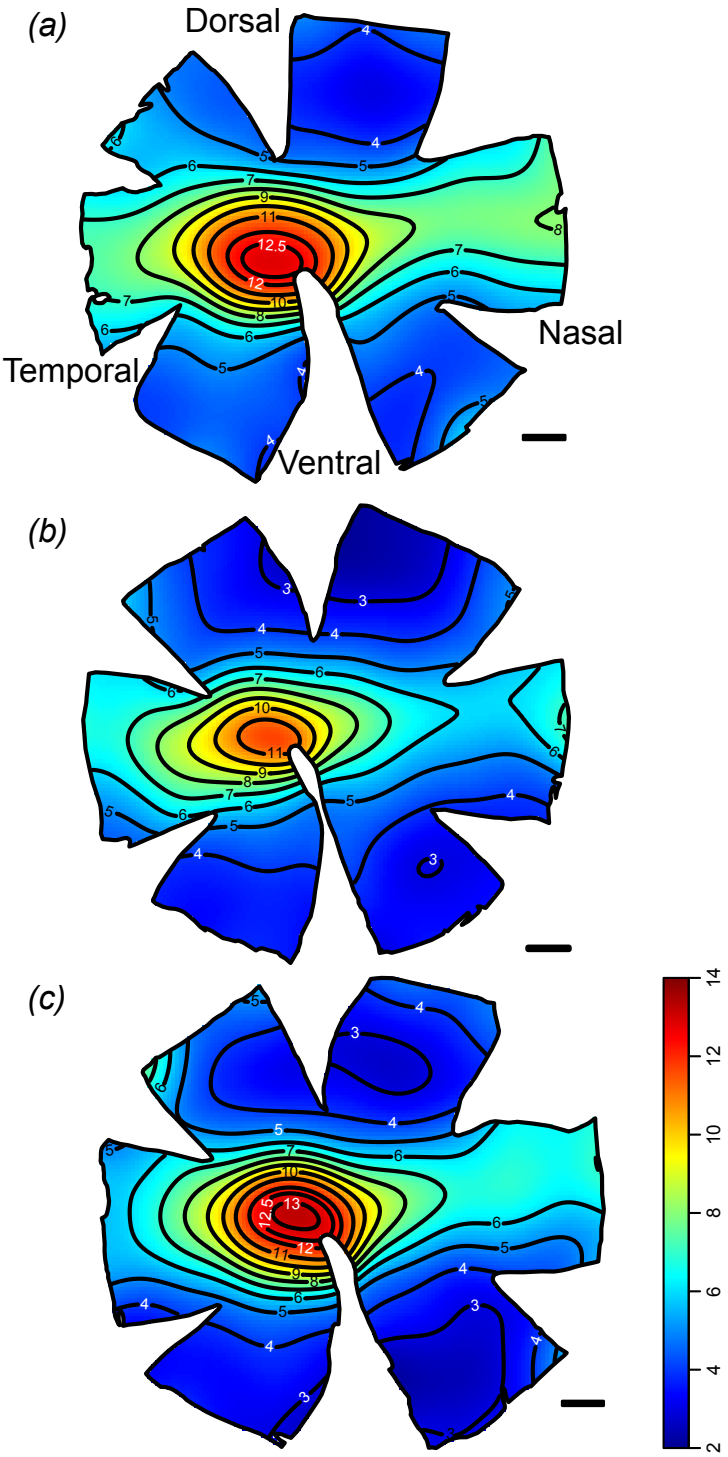
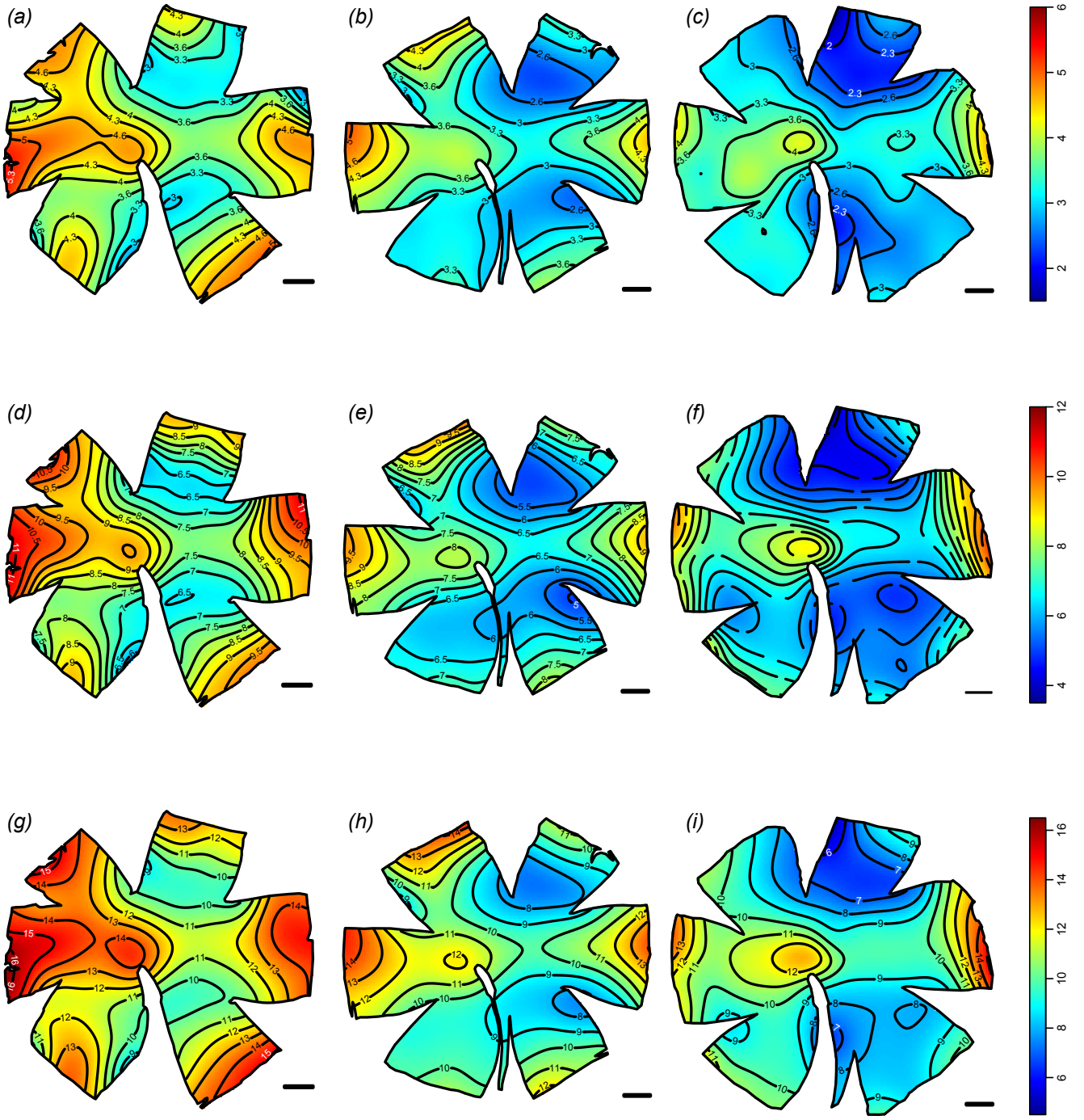
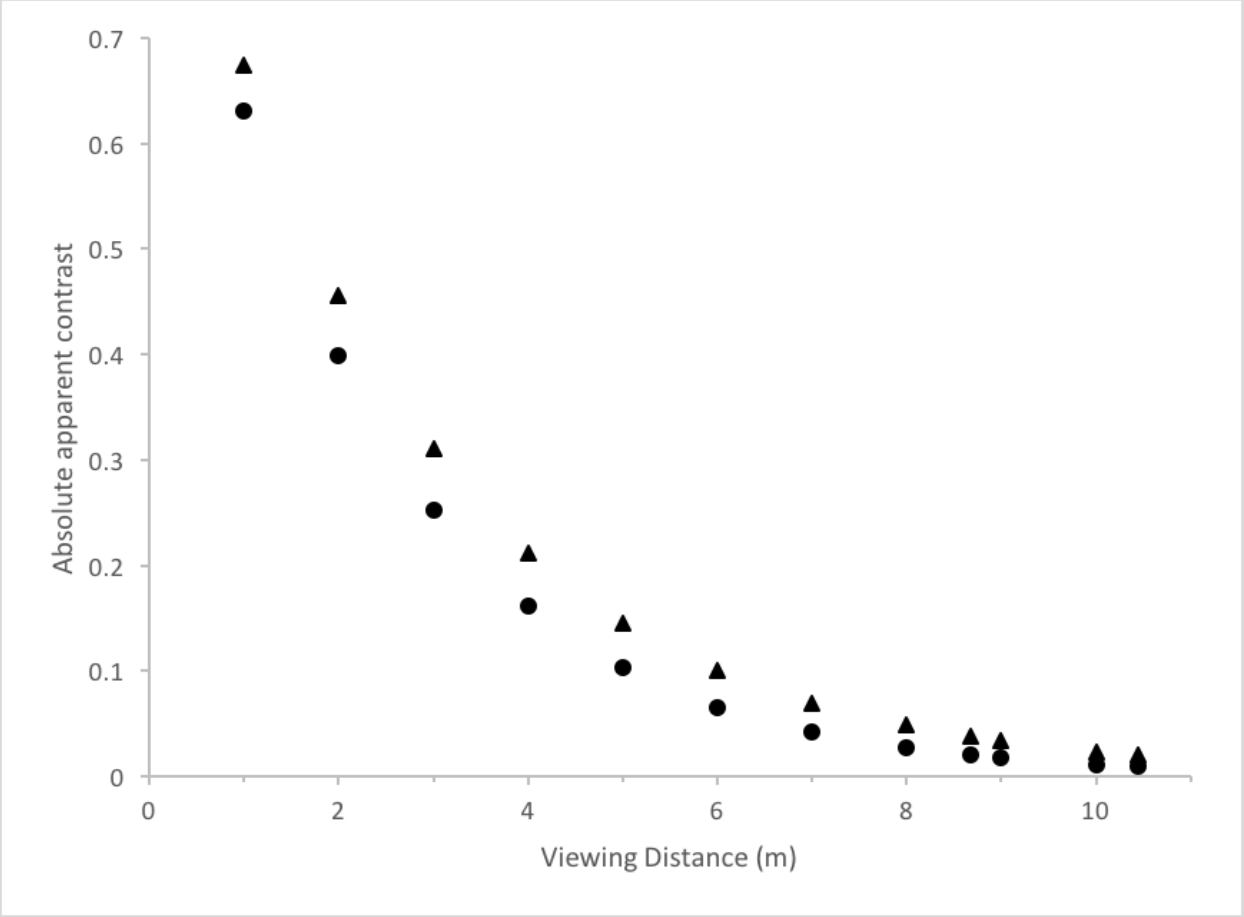


Supp. Fig. S1. Topographic distribution of retinal ganglion cell densities in three individuals. Ganglion cell density for individual in (a) also appear in Fig. 2. Density scales in thousands of cells per mm^2. Scale bars = 1 mm.



Supp. Fig. S2. Topographic distribution of single cones (a-c), double cones (d-f), and total cones (g-i) in three individuals. a, d, and g pertain to the individual from Fig. 2 (Mz 124); b, e, and h correspond to individual Mz 126; and c, f, and I correspond to individual Mz 127. Density scales in thousands of cells per mm^2. Scale bars = 1 mm.



Supp. Fig. S3. Calculated apparent contrast of a dark object viewed horizontally against spacelight by S-cones expressing *SWS1* opsin only (circles) and by S-cones also coexpressing 30% *SWS2B* (triangles). Calculations used light spectra measured in Lake Malawi and assumed that viewer and object were 3 m below surface and that contrast threshold was 2%. Threshold was reached at viewing distance of 8.7 m for non-coexpressing S-cones and at 10.5 m for coexpressing S-cones.

Table S1

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Table S2

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