Supplementary Materials

Figures S1-S21 show examples of the stimuli used in our experiments. Each stimulus image shown here was generated at twice the average threshold coherence level for that stimulus.

Figure S1. Full noise check stimulus with vertical target orientation, generated at 19% coherence.
Figure S2. 1 by 1 noise check stimulus with \( \phi = 90^\circ \) modulator phase and a horizontal target orientation. Generated at 41% coherence.
Figure S3. 1 by 1 noise check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 40% coherence.
Figure S4. 3 by 3 noise check stimulus with $\phi = 90^\circ$ modulator phase and a vertical target orientation. Generated at 36% coherence.
Figure S5. 3 by 3 noise check stimulus with $\phi = 270^\circ$ modulator phase and a horizontal target orientation. Generated at 38% coherence.
Figure S6. 5 by 5 noise check stimulus with $\phi = 90^\circ$ modulator phase and a vertical target orientation. Generated at 29% coherence.
Figure S7. 5 by 5 noise check stimulus with $\varphi = 270^\circ$ modulator phase and a horizontal target orientation. Generated at 32% coherence.
Figure S8. 9 by 9 noise check stimulus with $\phi = 90^\circ$ modulator phase and a horizontal target orientation. Generated at 27% coherence.
Figure S9. 9 by 9 noise check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 31% coherence.
Figure S10. 15 by 15 noise check stimulus with $\varphi = 90^\circ$ modulator phase and a horizontal target orientation. Generated at 22% coherence.
Figure S11. 15 by 15 noise check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 40% coherence.
Figure S12. 1 by 1 blank check stimulus with $\varphi = 90^\circ$ modulator phase and a horizontal target orientation. Generated at 38% coherence.
Figure S13. 1 by 1 blank check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 35% coherence.
Figure S14. 3 by 3 blank check stimulus with $\varphi = 90^\circ$ modulator phase and a vertical target orientation. Generated at 33% coherence.
Figure S15. 3 by 3 blank check stimulus with $\varphi = 270^\circ$ modulator phase and a horizontal target orientation. Generated at 31% coherence.
Figure S16. 5 by 5 blank check stimulus with $\varphi = 90^\circ$ modulator phase and a vertical target orientation. Generated at 29% coherence.
Figure S17. 5 by 5 blank check stimulus with $\phi = 270^\circ$ modulator phase and a horizontal target orientation. Generated at 25% coherence.
Figure S18. 9 by 9 blank check stimulus with $\varphi = 90^\circ$ modulator phase and a horizontal target orientation. Generated at 23% coherence.
Figure S19. 9 by 9 blank check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 22% coherence.
Figure S20. 15 by 15 blank check stimulus with φ = 90° modulator phase and a horizontal target orientation. Generated at 20% coherence.
Figure S21. 15 by 15 blank check stimulus with $\varphi = 270^\circ$ modulator phase and a vertical target orientation. Generated at 26% coherence.