Supplementary Figure 5. We tested for individual differences in the relative pupil response to the melanopsin- and cone-directed stimuli. The total modeled area of pupil response to the melanopsin and cone stimulus was obtained and expressed as a ratio. (a) When compared between Sessions 1 and 2, individual differences in response ratio were well reproduced (Spearman’s rho = 0.74, N = 24 subjects). (b) The same analysis, now comparing the average measurement from Sessions 1 and 2 with the measurement from Session 3 (Spearman’s rho = 0.24, N = 21 subjects). A weaker correlation was seen. The error bars reflect the 10-90% confidence interval, obtained via bootstrap analysis across trials within a subject. As the magnitude of these error bars are large relative to the variation across subjects, it is possible that within-session measurement noise limits our ability to detect if there is in fact a stable individual difference in relative pupil response to melanopsin and cone stimulation.