Supplementary Data S1. Complete summer and winter SETR and IRHG data for eight model rooms across 16 orientations.

The file contains 256 records, covering two seasons, eight model rooms (A-1, A-3, B-1, B-5, C-3, C-5, D-3, and D-5), and 16 orientations. Each record includes the season, room code, orientation, orientation angle, sunlight exposure time ratio (SETR), and indoor radiative heat gain (IRHG).

Orientation angles are measured clockwise from north (0°) at intervals of 22.5°. SETR is expressed as a percentage and represents the direct sunlight exposure duration averaged across indoor sampling points relative to the evaluation period. IRHG is expressed in kWh/d and represents the mean daily total indoor radiative heat gain of an entire room for the corresponding season.

Numerical values retain the precision of the source data tables; values presented in the manuscript and figures are rounded for readability. The dataset supports the seasonal orientation analysis, dimensional correlation analysis, and paired comparisons between configurations C and D.