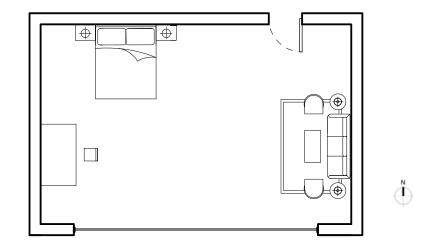
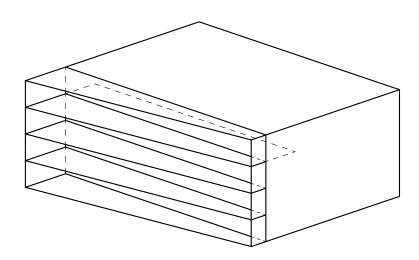
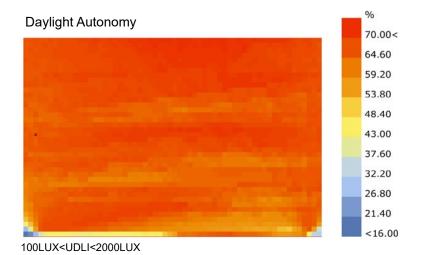
Comfort Louvers Design for a Simple Room

Yunqian Li MEBD PennDesign

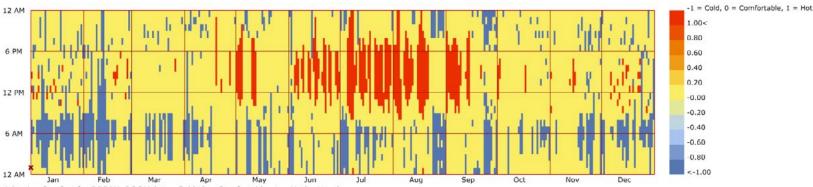
Through passive design methods, the performance of this unconditioned simple room achieved 76% percentage of indoor thermal comfort and 96% sDA for at least 50% >300lux daylighting. The methods used during the design process includes: adding shading louvers and lighting shelves, adjusting ventilation, adjusting glazing rate, and changing construction materials.







Percent of Time Comfortable: 76% Percent of Time Hot: 8% Percent of Time Cold: 16%



Adaptive Comfort for DREAM_ROOM (-1 = Cold, 0 = Comfortable, 1 = Hot) - Hourly

Philadelphia International Ap PA USA TMY3 1 JAN 1:00 - 31 DEC 24:00

