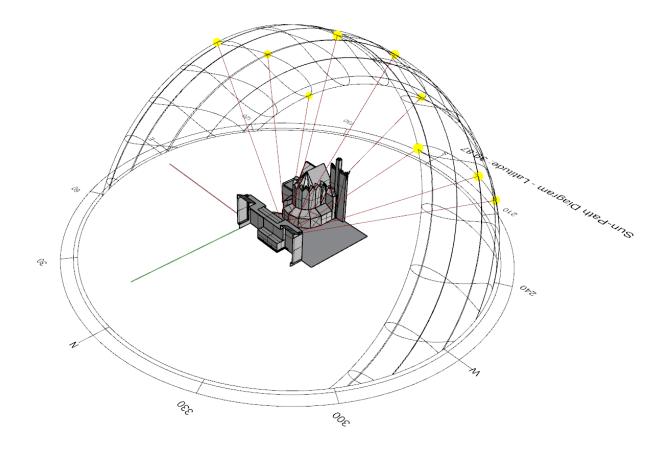
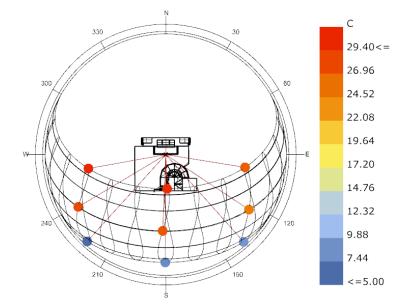
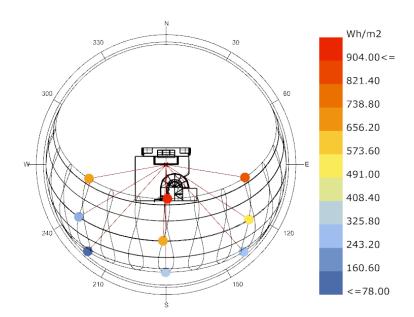
Meyerson hall Shade benefit analysis

Philadelphia Sun-path

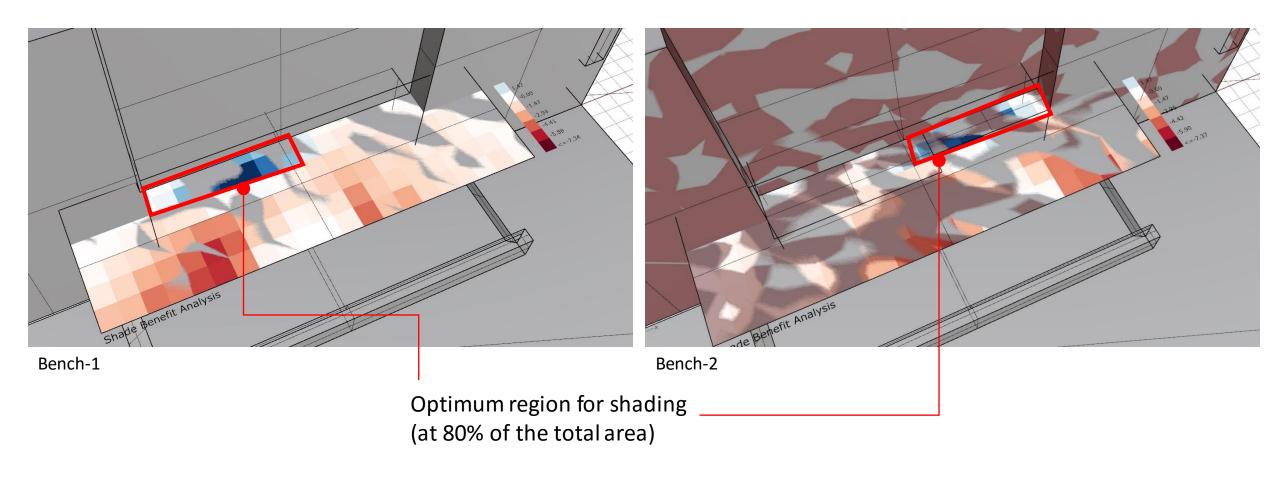


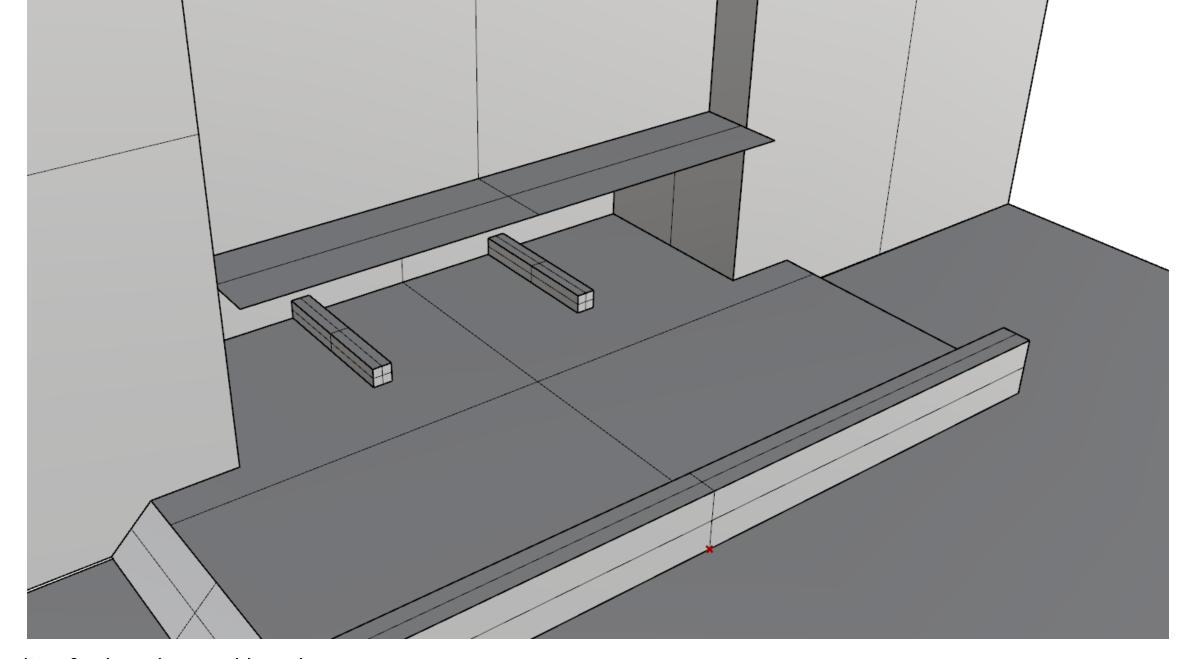


Sun-Path Diagram - Latitude: 39.87 Hourly Data: Dry Bulb Temperature (C) Philadelphia International Ap_PA_USA

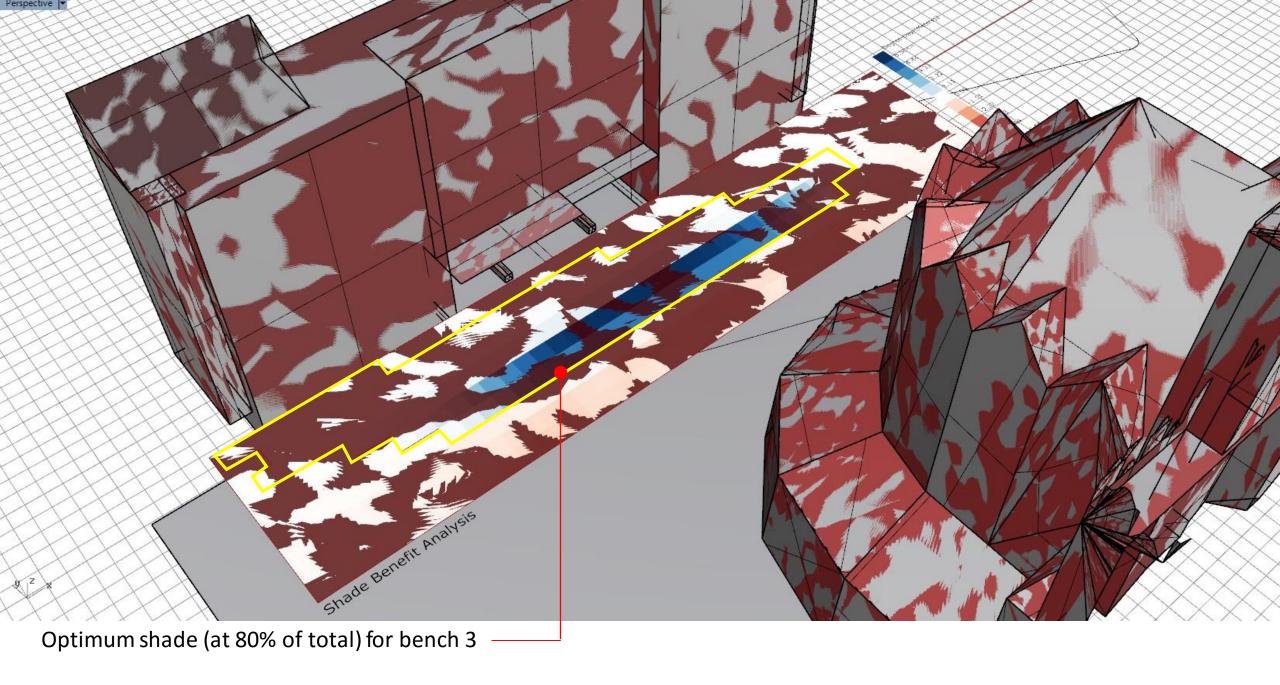


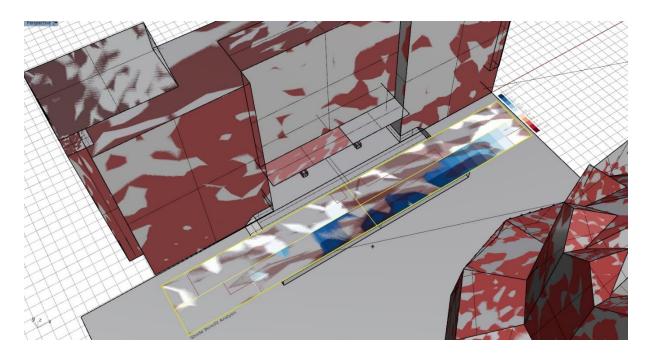
Sun-Path Diagram - Latitude: 39.87 Hourly Data: Global Horizontal Radiation (Wh/m2) Philadelphia International Ap_PA_USA

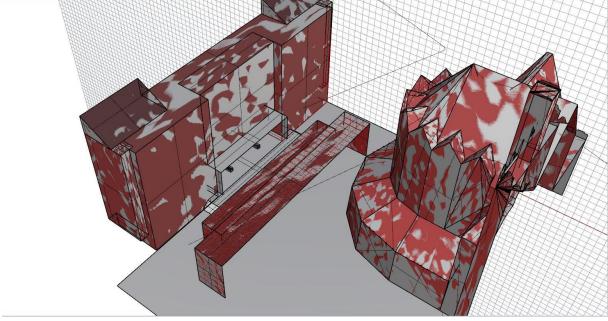




Shading for bench-1 and bench-2: Final shade

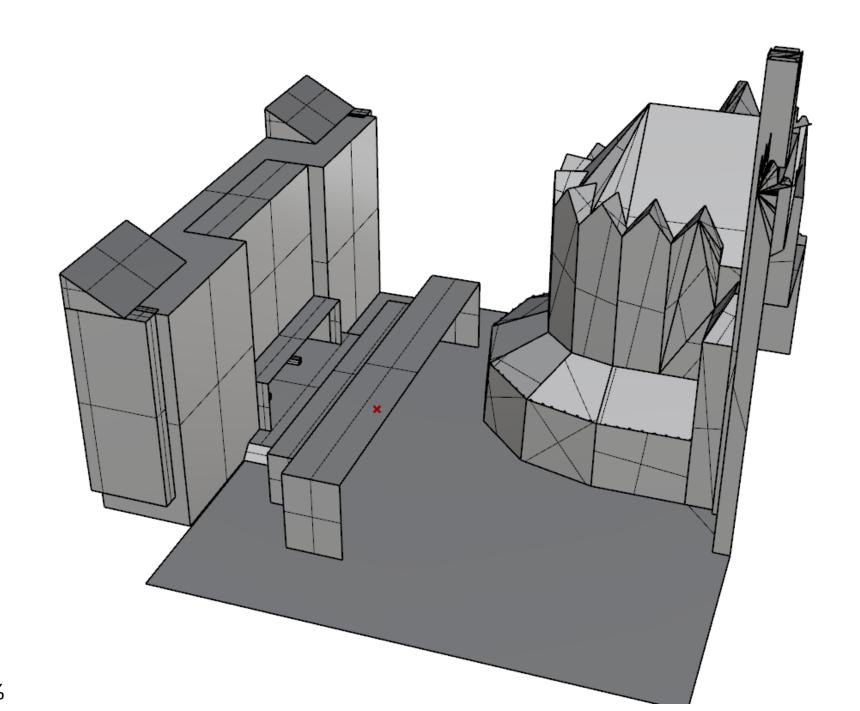




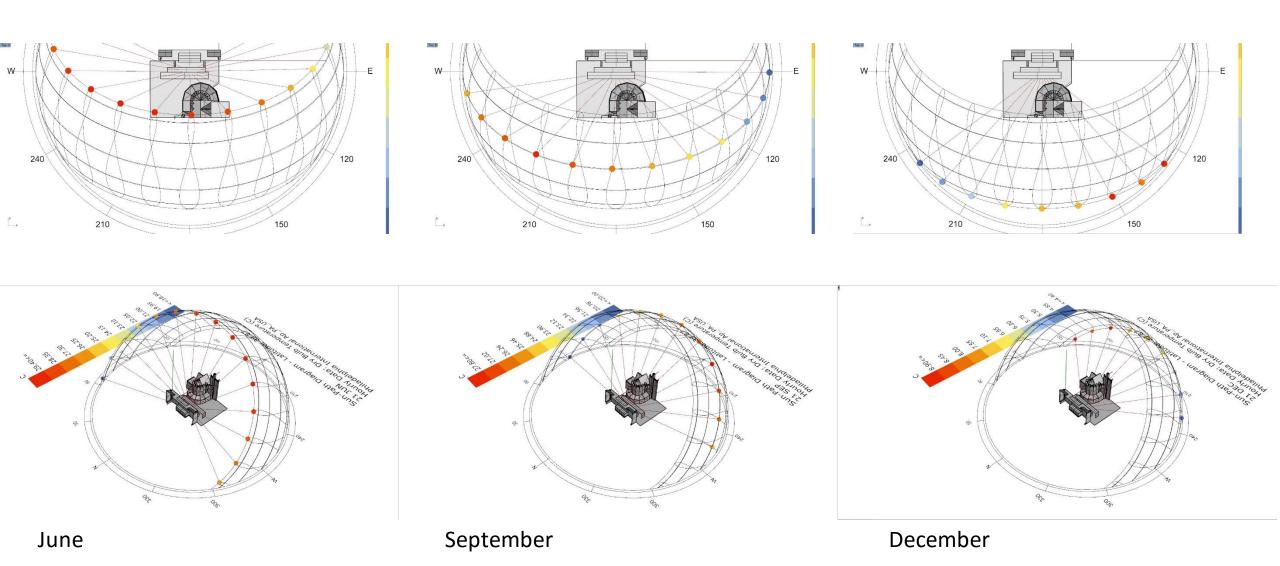


Total comfort achieved: 39%

Total comfort achieved: 42.3%



Final Shade. Comfort achieved: 42.3%



Sun-path with shade