Team Entropy

Solar Conditions within and without

Jake Keeler*, University of Oregon
Elliot Meier*, University of Oregon
Lisa Fabula, AIA San Diego
Kathleen Lutrell, Boulder, CO
Tayler Mikosz, Ball State University

* facilitators

2nd Floor SE Corner Office
The lightshelves that were proposed but not installed in the SE corner of the 2nd floor offices, would have created more even light levels throughout the space.
Office with added lightshelves
Difference between base case and added lightshelves

Daylight Factor

Distance from Window

Difference between base case and added lightshelves
Daylight Factor = Footcandles Inside / Footcandles Outside

- 2.5 optimal
- Light shelf
- Existing condition

Sky01 -- 5/4/2008 1:27 -- Interior Office Southeast Corner
Panel Orientation: Tilt=33° -- Azimuth=180°

Data by Solmetric Sunergy™ -- www.solmetric.com

Monthly solar access (Tilt=33°; Azim=180°)
Sky04 -- 5/4/2008 2:04 -- (no skyline note)
Panel Orientation: Tilt=33°  Azimuth=180°
Solar Access: Annual: 85%  -- Summer (May-Oct): 80%  -- Winter (Nov-Apr): 86%

Sky07 -- 5/4/2008 2:08 -- West Elevation at Elevator
Panel Orientation: Tilt=33°  Azimuth=180°
Thank you and goodnight