The Daylighting Design Process

Session EE7-1
BEST 2 Conference - Portland
What distinguishes daylit architecture from simply a building with windows?

- Forms, spaces, and materials *designed* to manipulate daylight
- Enhancement of the visual and spatial environment
- Useful, comfortable illumination
- Reduced energy consumption
Sun-Path Diagram
Sun-Path Diagram
Sun-Path Nov 1
Sun-Path Nov 1
Lightsolve
Daylight Autonomy

High Scoring Designs

Greensburg, PA

Berea, OH

Low Scoring Designs

Omaha, NE

Colbert, WA
Strip Skylights - Active Shading Concept

supply roller (motorized)

receiving roller (motorized)

turning roller (non-motorized)

fabric would never overlap on wires

shade configuration

wires only

screen

blanket
1. INTERIOR ELEVATION (SHADES IN OPEN POSITION)

2. INTERIOR ELEVATION (THERMOVEIL SHADECLOTH ONLY)

3. INTERIOR ELEVATION (BLACKOUT SHADECLOTH ONLY)
Thank you.