

Architecture 4.411
Building Technology Laboratory
Spring 2004

Lab 3 Daylighting in Houses in Gujarat, India

Lab report checklist

<u>Introduction</u>	_____	1
<u>Lighting and reflectance measurements</u> (Parts 1-6 of Assignment 9, with adequate discussion)	_____	2
<u>House description and construction</u> (Part 7 of Assignment 9)	_____	2
<u>Base-case illuminance measurements, data presentation and analysis</u> (Assignment 10; please assess lighting quantity and quality)	_____	2
<u>Roof-opening or window design based on daylighting calculations</u> (Assignment 11)	_____	2
<u>Mockup or sketch of modification to house</u> (Assignment 11, with attention to first round of data, a desire to avoid oversizing, and constructability)	_____	2
<u>Second round of measurements, data presentation and analysis</u> (Assignment 11)	_____	2
<u>Lightscape simulation of as-built house</u> (Assignment 12, with discussion of material properties and calculated illuminance levels relative to your measurements, and with renderings of two views for each of two dates and times (four renderings in all))	_____	3
<u>Lightscape simulation of as-built house</u> (Assignment 12, with discussion of material properties and calculated illuminance levels relative to your measurements and relative to the base case simulation, and with renderings of at least one view for the as-built and for the as-modified condition.)	_____	3
<u>Conclusions</u>	_____	1
Total	_____	20