



**Tubular Daylighting Devices
Project Monitoring Task Group
Conference Call**

Thursday, May 11, 2006

Chair: *Dave De Block, ODL, Inc.*

1. Participants were Cheryl R., Ray M., Mike T., Charlie C., Paul J., John E., John L., Ray V., Jim F., and Dave D.
2. U Factor test samples were discussed so the TDDTG can begin to understand the TDD theoretical heat transfer. Mike let us know that samples 1, 2, 5, 6, 7, 11, and 12 were Sun-tek. Samples 3, 4, 8, 9 and 10 were Velux. The units were chosen for their simplicity of geometry. The diffusers were sealed to the warm side of the chamber to avoid air leakage. For some unknown reason the most popular units in the field never made it to the test. We will all submit ACAD cross-section drawings of the tested product including the most recently tested 14" 0.36 unit. A TDDTG brainstorm session will be scheduled at least a week after all drawings are received. The group needs better understanding of u-factor test results and theoretical heat transfer.
3. VT measurement with integrating sphere was described by Paul Jaster who filled us in on the work LBNL is doing for the TDD task group with their sphere to measure full TDD product visible transmission. He will distribute results when they are published. Charlie invited us to join the current task group working on simulating VT in complex geometries. TDD NFRC certified VT measurement will need good reason for 30 degree angle of incidence. The current 30 degree SHGC has set us apart from the window methods and we need to work to keep that for VT.
4. The TDD Task Group will need at least an hour for face to face discussion at the Minneapolis meeting.