

NFRC 2010 Spring Membership Meeting
April 12-15, 2010, New Orleans, LA
**Tubular Daylighting Devices
(TDD) Task Group Meeting Notes**

Monday, April 12, 2010

9:00 a.m. – 10:00 a.m. 6:00 p.m. - 9:00 p.m.

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

1. Dave De Block called the meeting to order at 9:00 AM.
 - a. Welcome to All AttendeesCell phones & laptops to Silent Mode
 - b. Antitrust reminder
 - c. NFRC Meeting Guidelines
2. Gregg Vincent volunteered to be recording Secretary (Task Group Participant).
3. Dave reviewed and obtained approval for the agenda.
4. Dave deferred the presentation of the overview of the Peer Reviewable Research Report on u-factor until a later date to be announced.
5. Christian Kohler of LBNL presented a report on the complex VT measurements project.
 - Presented summary of Visible Transmittance vs. Solar Angles for TDD reference tube, Product A,B,C measured by LBNL and Labs X,Y.
 - The data presented showed consistent trends with variations in results. The conclusions reached were that different locations and equipment will provide different results. The reference tube efficiencies were just within the +/-10% NFRC requirements and some of the measurements of the manufacturers' tubes were also within this specification. Some data points were as far as 25% off from other measurements. Further review of product assembly and set up is required to understand the differences. The LBNL integrating sphere has been previously validated and is a reasonably accurate method to measure VT
 - Reasons for the inconsistent results were discussed; sky ratios, small sample size, inconsistent installation procedures, laboratory accuracy and inconsistent azimuths.
6. Dave opened for discussion potential proposals for available sunlight in the US and how that may help define location of simple NFRC VT measurement utilizing complex data from current VT measurement work. It was suggested by several commenters that a methodology be adopted that would be fair to consumers and manufacturers and not allow manufacturers to game the system. Due to meeting time constraints, the discussion will be continued at a break out dinner session later 4/12/10 and all participants were invited to meet in the hotel lobby at 6PM.
7. No additional new business items were raised.
8. Dave adjourned the meeting at 10:05 AM.