



**VISIBLE LIGHT TRANSMITTANCE  
NFRC 202  
TEST REPORT**

**Rendered to:**

**Amerilux International, LLC  
De Pere, Wisconsin**

**SERIES/MODEL: 25 mm CoverLite>Triple-Wall Lumira filled Clear Panel  
PRODUCT TYPE: Translucent Panel**

Summary of Results*		
<b>Specimen</b>	<b>39-3/8" x 39-3/8"</b>	<b>CoverLite&gt;Triple-Wall, Lumira filled Clear Panel</b>
	<b>VL cog</b>	<b>52%</b>

\* These values do not include the effects of edge or frame members

**Test Completion Date:** 05/04/17

Reference must be made to Report No. H0341.02-301-41, dated 05/10/17 for complete test specimen description and data.

- 1.0 Report Issued To:** Amerilux International, LLC  
1212 Enterprise Drive  
De Pere, Wisconsin 54115
- 2.0 Test Laboratory:** Architectural Testing, Inc.  
an Intertek Company ("Intertek-ATI")  
2524 East Jensen Avenue  
Fresno, California 93706  
559-233-8705
- 3.0 Project Summary:**
- 3.1 Product Type:** Multi-Cell Panel
- 3.2 Series/Model:** 25 mm CoverLite>Triple-Wall Lumira filled Clear Panel
- 3.3 Test Date:** 05/04/17
- 3.4 Test Sample Submitted by:** Manufacturer
- 3.5 Test Sample Submitted for:** Validation for Initial Certification (Prototype Unit)
- 4.0 Test Specification(s):**

NFRC 202-2012: *Procedure for Determining Translucent Fenestration Product Visible Transmittance at Normal Incidence*

"This test method is affected by the differences in altitude, latitude, and atmospheric water vapor aerosol levels. Differences of transmittance values obtained at an arid, high altitude site may vary from a marine location. Caution should be used in applying the results to specific environments. "

**5.0 Test Specimen Description:**

**5.1 Overall Size:** 39" x 40" (991 mm x 1016 mm)

**5.2 Construction:**

The panel was constructed of two cells one 0.55" thick to the exterior and one 0.45" thick. Each cell measured 3/4" x 5/16" thick and was filled with Lumira insulation. The cell wall to the exterior and interior of the panel was 0.037" thick while the dividing wall between cells was 0.004" thick.

**6.0 Test Results:**

**6.1 Test Data**

Angle of Incidence	Normal (90°)
Solar Illuminance	62,517 Lux
Solar Irradiance	330 btu/hrft <sup>2</sup>
Number of Measurements	11
Time of the beginning of test period	11:00:00 AM
Time of the end of test period	11:20:00 AM
Ambient Air Temperature	87° F
Relative Humidity	34%
Atmospheric Visibility	Clear

**6.2 mV Readings**

Covered	1	2	3	4	5	6	7	8	9	10	11
mV	5.94	5.90	5.80	5.99	5.92	5.90	5.82	5.79	5.82	5.99	5.96
Exposed	1	2	3	4	5	6	7	8	9	10	11
mV	11.32	11.32	11.32	11.32	11.32	11.37	11.37	11.37	11.37	11.37	11.41
Within 5% variance in exposed readings?											
	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

**6.3 Statistics**

Specimen	25 mm
Standard Deviation	0.07
Uncertainty	4.31%
Avg. mV Covered	5.89
Avg. mV Exposed	11.37



Test Report No.: H0341.04-301-41  
Report Date: 06/05/17  
Test Record Retention Date: 05/04/22

This report is a reissue of the original Report No. H0341.02-301-41. This report is reissued in the name of Amerilux International, LLC through written authorization of Wasco Products, Inc.

The photometric sensor is a LiCor visible light sensor Architectural Testing, Inc. ICN 63027. Testing was conducted in full compliance with NFRC 202 requirements. The visible light transmittance apparatus is located at 2524 East Jensen in Fresno, California on a 50' x 50' cement pad on the eastern side of the lot at ground level. The foreground is desert, the background is industrial buildings. The uncertainty was determined using ANSI/NCSL Z540-2-1997 type A evaluation as described in section 4.2 of this specification. For assumptions used for this calculation or for a description of the procedure please contact the individual signing this report. "Ratings included in this report are for submittal to an NFRC-licensed IA for certification purposes and are not meant to be used for labeling purposes. Only those values identified on a valid Certification Authorization Report (CAR) are to be used for labeling purposes."

Representative samples of the test specimen(s), and a copy of this report will be retained by Architectural Testing for a period of four years from the original test date. This report is the exclusive property of the client so named herein and is applicable to the sample tested. Results obtained are tested values and do not constitute an opinion or endorsement by this laboratory. This report may not be reproduced, except in full, without approval of Architectural Testing, Inc.

For INTERTEK-ARCHITECTURAL TESTING, INC.  
Test Performed by:

---

Jerry Bontilao, BSME  
Solar Technician

---

Tyler Westerling, P.E.  
Senior Project Engineer  
Individual in Responsible Charge

TW:JB:ss

Attachments (pages): This report is complete only when all attachments listed are included.

Appendix-A: Photo (1)

### Revision Log

<u>Rev. #</u>	<u>Date</u>	<u>Page(s)</u>	<u>Revision(s)</u>
0	06/05/17	All	Original Report Issue. Work requested by Tim Fikkert of Amerilux International, LLC

**Appendix A**  
**Photo**

