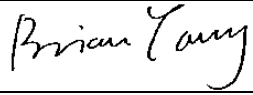


Number of pages in this package 12.

TEST LOCATION:			
<input checked="" type="checkbox"/> UL or Affiliate	<input type="checkbox"/> WTDP	<input type="checkbox"/> CTDP	<input type="checkbox"/> OTHER
Company Name Underwriters Laboratories Inc.			
Address 333 Pfingsten Road, Northbrook, IL 60062			

CLIENT INFORMATION	
Company Name	Phono Solar Technology Co Ltd
Address	2 Xinke Rd Nanjing Hi-Tech Zone Nanjing, Jiangsu 210032 China

AUDIT INFORMATION:				
<input checked="" type="checkbox"/> Description of Tests	Per Standard No.	UL 1703	Edition	3 rd Edition, Revision Date: 2008-04-08
		ULC/ORD-C1703	Edition	01 Edition, August, 2001
<input checked="" type="checkbox"/> Tests Conducted by +	See Results			
	_____		_____	
	Printed name		Signature	
<input type="checkbox"/> UL Staff witnessing testing (WTDP only)	_____			
	_____		_____	
	Printed name		Signature	
Reviewed and accepted by qualified Project Handler	Brian Yang			
	_____		_____	
	Printed Name		Signature	

TESTS TO BE CONDUCTED:			
Test No.	Done	Test Name	<input type="checkbox"/> Comments/Parameters <input type="checkbox"/> Tests Conducted by ++
1	<<SF t>>	SPREAD OF FLAME TESTS	
2	<<BB t>>	BURNING BRAND TEST	

~~The test facility [was] [was not] deemed to have the environment and capabilities necessary to perform the tests included in this data package. (WTDP Only)~~

[X] Tests conducted in accordance with UL 1703 that were considered representative of the same tests required by ULC/ORD-C1703 are identified with dual paragraph/clause references in the title of each test on the individual datasheets. ~~Where test names differ or additional test were conducted in accordance with _____, they are identified by the standard and paragraph/clause information enclosed by parenthesis.~~

Test Equipment- See "TEST EQUIPMENT INFORMATION"
Samples - See "TEST SAMPLE IDENTIFICATION"

Instructions -

+ - When all tests are conducted by one person, printed name and signature can be inserted here instead of including printed name and signature on each page containing data. Must indicate number of pages in the data package.
++ - When test conducted by more than one person, printed name and signature of person conducting the test can be inserted next to the test name instead of including printed name and signature on each page containing data. Must indicate number of pages in the data package.

Special Instructions -

Unless specified otherwise in the individual Methods, the tests shall be conducted under the following ambient conditions. Confirmation of these conditions shall be recorded at the time the test is conducted.

Ambient		Relative		Barometric	
Temperature, C	<u>21 ±11</u>	Humidity, %	<u>N/A</u>	Pressure, mBar	<u>N/A</u>

Department 3019FPD Instrument Calibration Tracking

Data current at 10:14:19 on 2009-08-10

Procedure - UL790

File No.: E326739 Assignment No.: 09CA15800
Client : PHONO SOLAR TECHNOLOGY CO LTD Test No.: 1

Instrument Last cal Next cal Verification date/time
Verified by

Test apparatus (fire) was calibrated on 2009-08-10
Test apparatus (wind) was calibrated on 2009-08-10
Instruments used during test apparatus calibration:

15FE5AVM / 20303	2009-02-13	2010-02-28	2009-08-10 07:25:56	auto
97F04DAS / 21095	2009-05-07	2010-05-31	2009-08-10 07:35:57	auto
16F01IC / 21096	2009-05-07	2010-05-31	2009-08-10 07:35:57	auto
91F04CLK / 31457	2009-05-06	2010-05-31	2009-08-10 07:35:57	auto

Test was conducted on 2009-08-10.
Instruments used during test operation:

83F01CLK / 20562	2009-05-06	2010-05-31	2009-08-10 10:10:00	auto
91F04CLK / 31457	2009-05-06	2010-05-31	2009-08-10 10:10:01	auto

end of page

Department 3019FPD Instrument Calibration Tracking

Data current at 13:12:38 on 2009-08-10

Procedure - UL790

File No.: E326739 Assignment No.: 09CA15800
Client : PHONO SOLAR TECHNOLOGY CO LTD Test No.: 2

Instrument Last cal Next cal Verification date/time
Verified by

Test apparatus (fire) was calibrated on 2009-08-10
Test apparatus (wind) was calibrated on 2009-08-10
Instruments used during test apparatus calibration:

15FE5AVM / 20303	2009-02-13	2010-02-28	2009-08-10	07:25:56	auto
97F04DAS / 21095	2009-05-07	2010-05-31	2009-08-10	07:35:57	auto
91F04CLK / 31457	2009-05-06	2010-05-31	2009-08-10	07:35:57	auto

Test was conducted on 2009-08-10.
Instruments used during test operation:

83F01CLK / 20562	2009-05-06	2010-05-31	2009-08-10	12:44:16	auto
91F04CLK / 31457	2009-05-06	2010-05-31	2009-08-10	12:44:16	auto
51F99SCL / 21857	2009-03-25	2010-03-31	2009-08-10	12:44:16	auto

end of page

Daily Apparatus Calibration

08100901.cal

ULVersion=1
Company=ULI
File=UL790
ProjectNumber=Calibration
Sample=Thermocouple
TestLocation=RoofingFire
Technician=05854 Dominick Deluso
testdate=08-10-2009
AverageVel=1034.667
VelReading1=1047
VelReading2=999
VelReading3=1154
AverageTemp=1298.7
GasUsage=28
PreGasReading=654
PostGasReading=682
NaturalGasBtu=997
BtuTime=4:40:44
BtuDate=07-28-2008
VelocityUnits=Feet per Minute
GasUnits=Cubic Feet
TemperatureUnits=Degrees F

UL 790 SPREAD OF FLAME AND BURNING BRAND TESTS

General - The Spread of Flame and Burning Brand Tests described below were conducted in accordance with the test methods specified in the Standard for Fire Resistance of Roof Covering Materials, UL 790.

SPREAD OF FLAME TESTS

UL1703 Sec. 31.1
ULC/ORD-C1703 Sec 5.14.2

SAMPLE DESCRIPTION

A total of 2 samples of Model PSxxxM-24/F Series (xxx=160-190). modules each measured 2.67 by 5.19 ft. were butted together and connected with 1.25 inch Aluminum channels shipped with the modules to form an assembly 2.67 ft. by 10.4 ft. The 5.19 ft. dimension of the module assembly was placed parallel with the length of the carriage.

METHOD

This assembly was placed in the test carriage and mounted at an incline of 5 in. to the horizontal foot.

The top surface of the module assembly was subjected to the application of a Class C test flame (1300 ±20 °F) for the prescribed 4 min period, as described in Standard UL 790.

RESULTS

The module samples complied with the test requirements for UL 790 Class C Spread of Flame.

Fire TestCode: 08100902
Test Conducted by: MARK PASTOR
Maximum Flame Spread (ft): 1

BURNING BRAND TEST

UL1703 Sec. 31.2
ULC/ORD-C1703 Sec 5.14.3

SAMPLE DESCRIPTION

A sample of Model PSxxxM-24/F Series (xxx=160-190). module, measuring 2.67 by 5.19 ft.

METHOD

The assembly was mounted at an incline of 5 in. to the horizontal foot.

A total of twenty (20) well ignited Class C wood brands were placed (in four rows) on the front face (superstrate) of the module.

RESULTS

During the fire test there was no portion of the modules blown or fallen off of the test deck in the form of flaming or glowing brands; the underside was not exposed by breaking, sliding, cracking or warping of any part of the module, and there was no sustained flaming of the underside of the module.

The test sample Complied with the test requirements for UL 790 Class C Burning Brand Test.

Fire TestCode: 08100906
Test Conducted by: MARK PASTOR
Test Observations:

00:08:30 Small blister under brand 5 unexposed sureface
00:16:57 Brands 1 thru 5 consumed
00:17:18 Slight blister under brands 6thru 10 brands consumed
00:18:28 Slight blistrs under brands 12,14,15 unexposed surface
00:19:55 Brands 11 thru 15 consumed
00:21:46 Slight blisters under brands 16,17,18 unexposed surface
00:26:28 Brands 16 thru 20 consumed
00:27:44 All action ceased, test terminated.

DATA SHEET APPENDIX

This Appendix contains the following data and information:

Data and Information	Pages
<p>No appendix page.</p> <p>Brian Yang 2009-08-11</p>	

END OF DATASHEET PACKAGE. THIS PAGE INTENTIONALLY LEFT BLANK