# QUV Accelerated Weathering Tester 1970 to 2010

## Highlights of 40 Years of Progress from Q-Lab

**1956** Q-Panel Co. is founded in Cleveland, USA to fill a need for standard test panels for paint research. (The company name is eventually changed to Q-Lab in 2006)

**1965** QCT "Cleveland Condensation Tester" introduced by Q-Lab. This precursor to the QUV provides condensation only, but no UV.

**1970** QUV Accelerated Weathering Tester introduced. This revolutionary design by Q-Lab combines condensation and fluorescent UV. It creates a new standard of simplicity, speed, and ease of use. Employs UVB lamps originally designed for Vitamin D synthesis.

**1977** Publication of the first of many ASTM and international specifications that reference the QUV.

**1983** QUV becomes world's most widely used weathering tester, based on number of units in use.

**1984** UVB-313 lamp introduced. This Q-Lab design is the first lamp specifically designed for a fluorescent weathering testers. It is a major technical advance over previous UVB lamps, producing higher irradiance and longer life.

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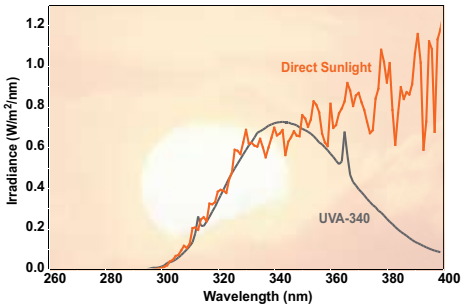
**1987** UVA-340 lamp introduced. This Q-Lab innovation is still the best available simulation of short wavelength sunlight UV.




**1989** QUV Spray Option introduced to supplement the QUV's Condensation system. Spray produces mechanical erosion on wood coatings, and thermal shock on plastics. The design is based on the work of EMPA (Swiss Federal Laboratories for Materials Testing and Research).

**1992** Solar Eye® irradiance control introduced to completely stabilize UV irradiance. Q-Lab's proprietary power supply produces 75% higher UV output and longer lamp life.

**1992** Q-Lab receives patents for unique AutoCal system for UV calibration. Q-Lab also offers radiometers of its own design and manufacture.

**1994** Q-Lab develops proprietary embedded microprocessor controller – the first of its kind in a weathering tester. This replaces discrete electro-mechanical controls. It gives better control, easier operation, context sensitive error messages

**1995** New Q-Lab Weathering Research division in Miami, Florida offers contract testing services for QUV. This ISO accredited lab eventually becomes the world's largest independent lab performing QUV testing for third party clients.

**2005** Next generation proprietary embedded controller introduced. Virtual Strip Chart allows logging of test data via Ethernet.


**2005** Q-Lab calibration service for radiometers is awarded ISO 17025 Accreditation.

**2010** **40th Anniversary**