



Low Cost Replacement Xenon Arc Lamps & Optical Filters for Atlas Testers

Q-Lab offers low-cost replacement xenon arc lamps and optical filters for Atlas Weather-Ometer® Models Ci35, Ci35A, Ci65, Ci65A, Ci4000 and Ci5000 and SUNTEST CPS/CPS+. *Why pay more for the same results?*

Compatible and Interchangeable

Water-cooled and air-cooled xenon lamps and optical filters from Q-Lab are fully interchangeable and compatible with Atlas-supplied lamps and optical filters for the weathering tester models identified above.

Q-Lab lamps and filters are guaranteed to have comparable spectra and are shipped with a full coverage warranty. **All lamps are certified to be ozone free.**

The lamps and filters meet a wide range of ISO, ASTM, SAE and AATCC requirements.

The lamp and optical filter descriptions, part numbers and corresponding Atlas model numbers are listed in Table 1.



Lower Operating Costs

Replacement lamps and filters from Q-Lab offer tremendous value when compared to OEM list prices – compare directly and see the substantial savings!

Because lamps and filters need regular replacement to ensure reliable test results, using Q-Lab replacement lamps and optical filters can reduce your operating costs significantly.

Why pay more for the same results?



Comparable Spectra

Q-Lab's X-6500 xenon arc lamp provides a comparable spectrum to the Atlas 20-6500-00 lamp. Q-Lab's X-12000 lamp provides a comparable spectrum to the Atlas 20-3053-00 lamp and Q-Lab's X-1500 lamp provides a comparable spectrum to the Atlas 56-0017-94 lamp when the same optical filter types are used (see Figures 1, 3 and 5).

Q-Lab's Quartz/Boro and Boro/Boro inner and outer filters also provide spectral power distributions comparable to Atlas' versions of the same filters (see Figures 7 and 8).



Description	Q-Lab Part Number	Atlas Part Number	For Atlas Model			
			Ci35/ Ci65	Ci4000	Ci5000	CPS/ CPS+
Borosilicate Outer Filter (Ci35, Ci65)	X-10893-K	20-2138-00	●	—	—	—
Water Cooled Xenon Lamp, 6500 W	X-6500	20-6500-00	●	●	—	—
Borosilicate Inner Filter (Ci35, Ci65, Ci4000)	X-10891-K	20-2341-00	●	●	—	—
Quartz Inner Filter (Ci35, Ci65, Ci4000)	X-10889-K	20-6506-00	●	●	—	—
Borosilicate Outer Filter (Ci4000)	X-10888-K	20-2796-00	—	●	—	—
Water Cooled Xenon Lamp, 12000 W	X-12000	20-3053-00	—	—	●	—
Borosilicate Inner Filter (Ci5000)	X-10892-K	20-3132-00	—	—	●	—
Quartz Inner Filter (Ci5000)	X-10890-K	20-3133-00	—	—	●	—
Borosilicate Outer Filter (Ci5000)	X-10894-K	20-3128-00	—	—	●	—
Air Cooled Xenon Lamp, 1500 W	X-1500	56-0017-94	—	—	—	●

Table 1 - Xenon Lamp and Optical Filter Part Number Cross Reference



Full Coverage Warranty

Every Q-Lab xenon arc replacement lamp has been tested for ignition and inspected thoroughly for adherence to mechanical and electrical specifications. Q-Lab warrants that the lamps will continue to ignite during 1500 hours of normal operation within the 24-month period following the date of purchase.

Q-Lab warrants that our replacement optical filters meet all dimensional and optical specifications and will continue to produce an OEM-comparable spectral power distribution for the recommended life of the filter (400 hours for inner filters and 2000 hours for outer filters).

Liability is limited to replacing any lamps or optical filters which are defective in materials or workmanship and are returned to our factory, shipping costs prepaid. Liability in all events is limited to the purchase price paid. Damage due to accident or abuse is not covered. Labor cost is not covered. Q-Lab Corporation makes no other warranties, including implied warranties of merchantability or fitness for a particular purpose, except as may be expressly provided by Q-Lab Corporation in writing.

Q-Lab Corporation shall not be liable for any incidental, consequential, special or contingent damages arising out of the sale or use of any product. NOTE: This warranty does not cover failure due to misuse, mishandling or any type of malfunction of an Atlas Weather-Ometer or SUNTEST device.



Standards Met (Partial List)

ISO 105 B02	SAE J1960
ISO 105 B04	SAE 1885
ISO 105 B06	SAE 2412
ISO 4892-2	SAE 2527
ISO 11341	AATCC TM 16-3
ASTM G155	AATCC TM 186

X-1500 Spectrum Comparisons

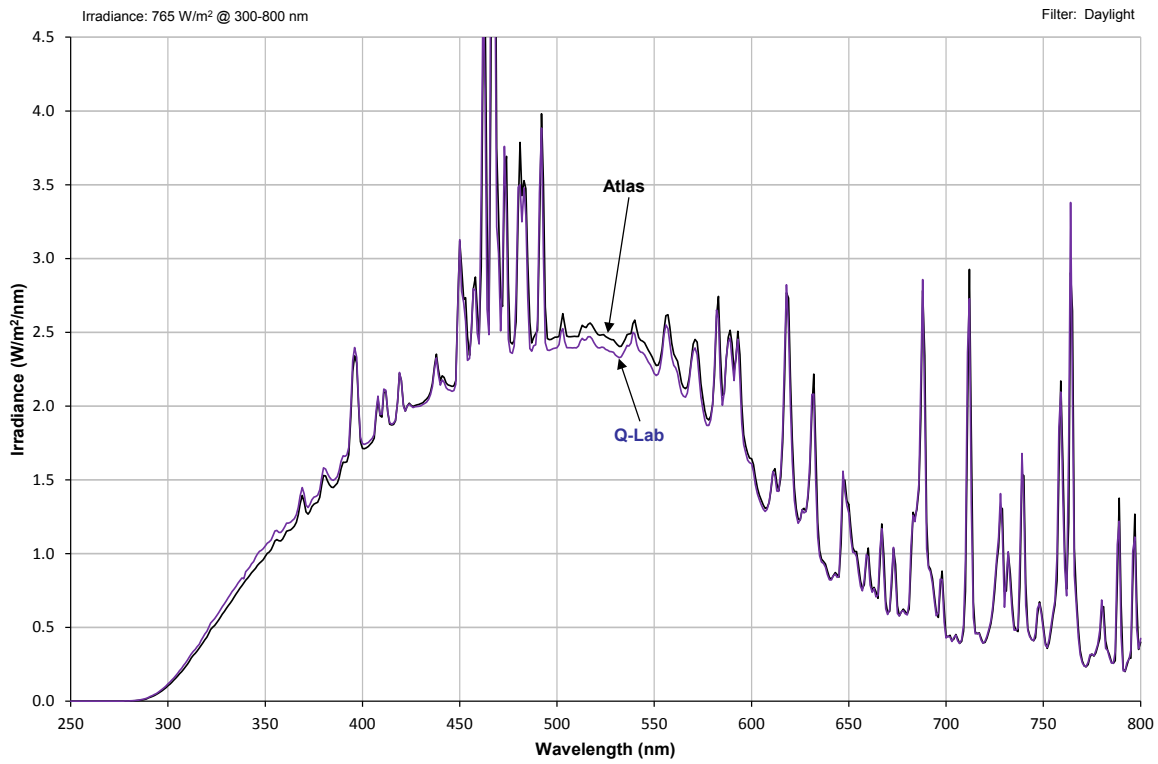


Figure 1: Spectrum Comparison: Q-Lab X-1500 vs. Atlas 56-0017-94 Xenon Lamps

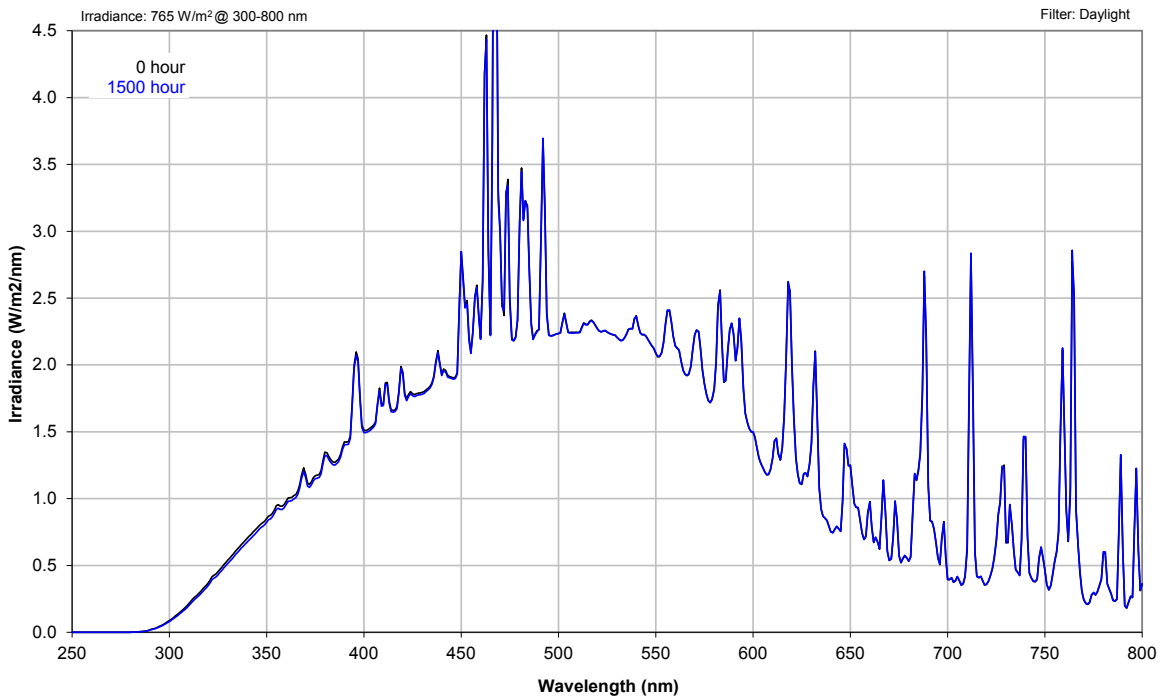


Figure 2: Lamp Aging Spectrum Comparison: Q-Lab X-1500

X-6500 Spectrum Comparisons

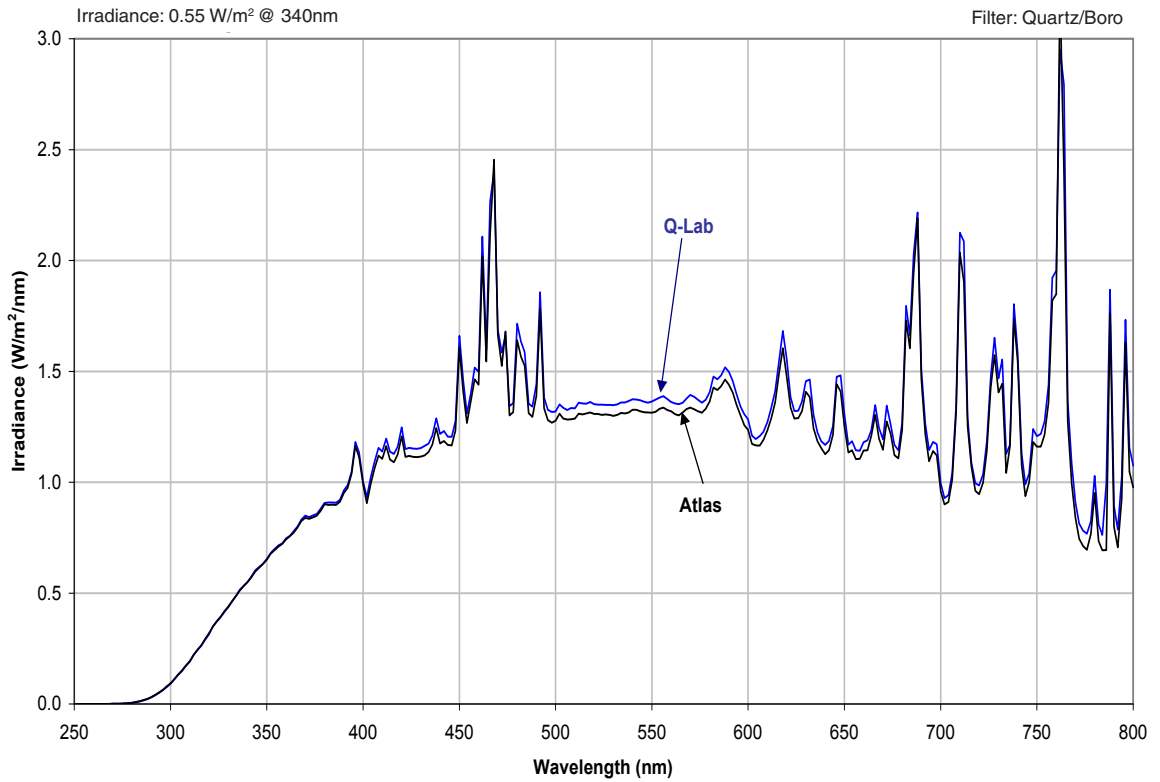


Figure 3 - Spectrum Comparison: Q-Lab X-6500 vs. Atlas 20-6500-00 Xenon Water Cooled Lamps

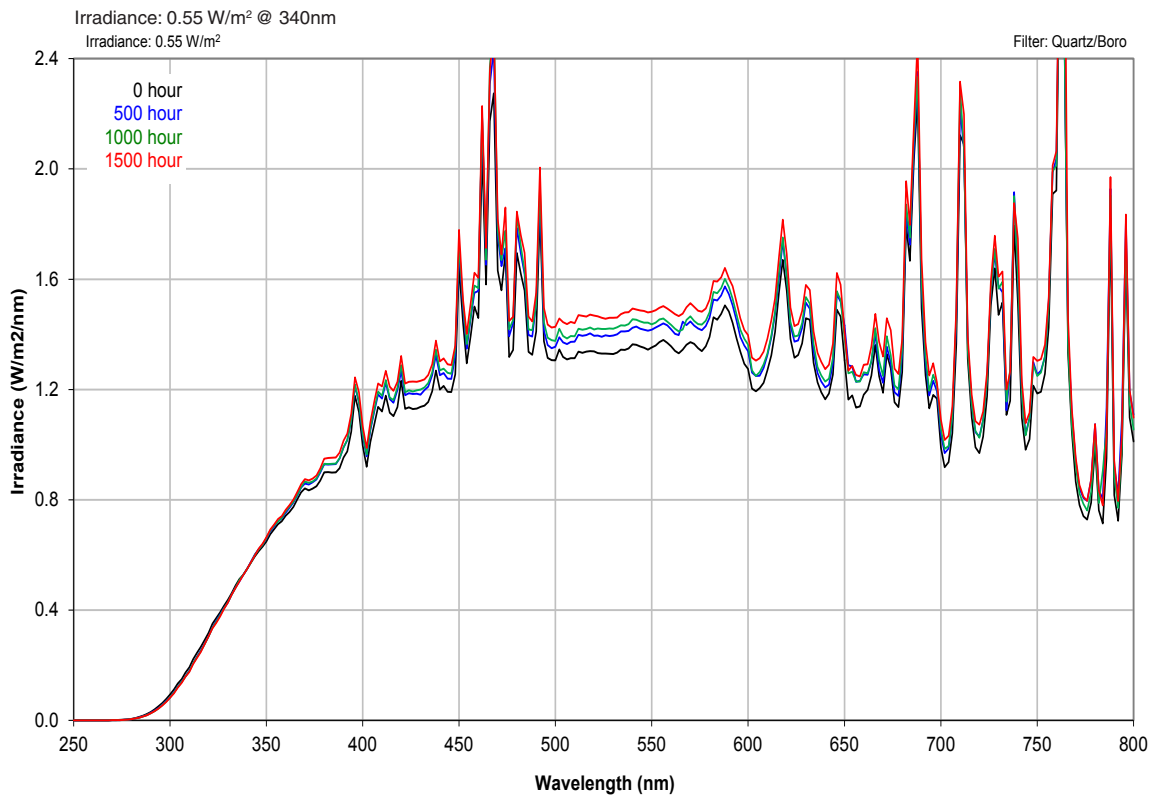


Figure 4 - Lamp Aging Spectrum Comparison: Q-Lab X-6500

X-12000 Spectrum Comparisons

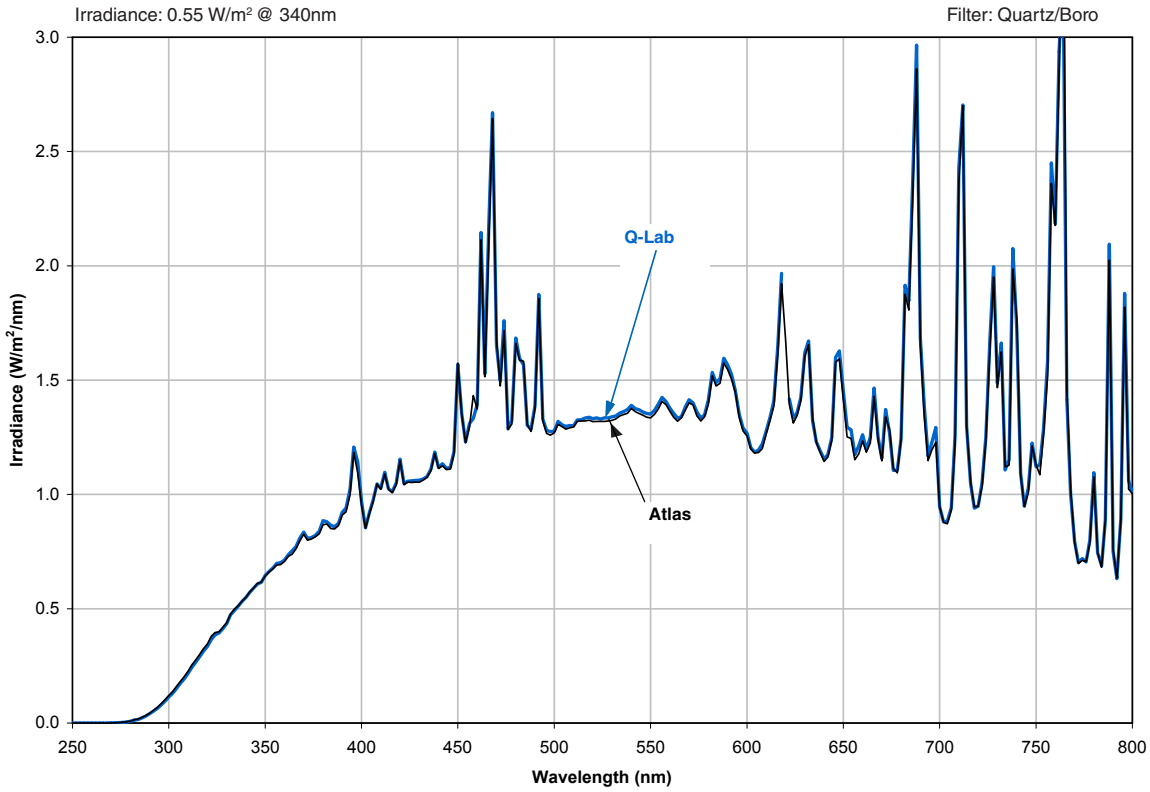


Figure 5 - Spectrum Comparison: Q-Lab X-12000 vs. Atlas 20-3053-00 Xenon Water Cooled Lamps

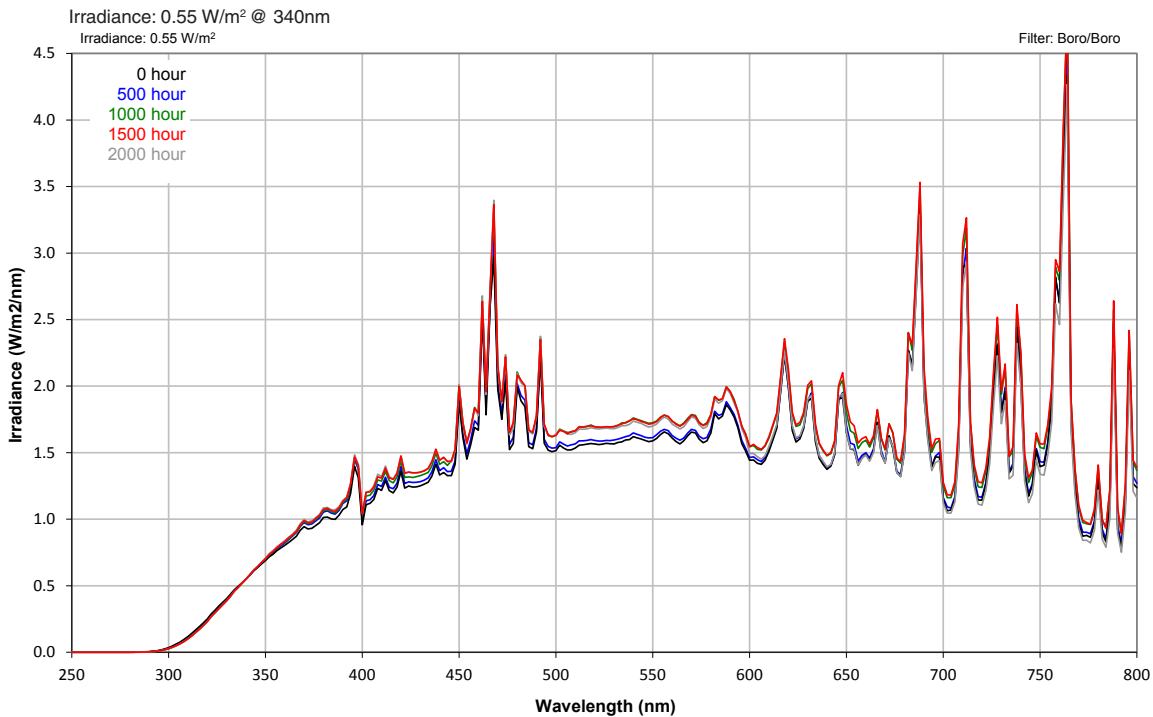


Figure 6: Lamp Aging Spectrum Comparison: Q-Lab X-12000

Filter Spectrum Comparison

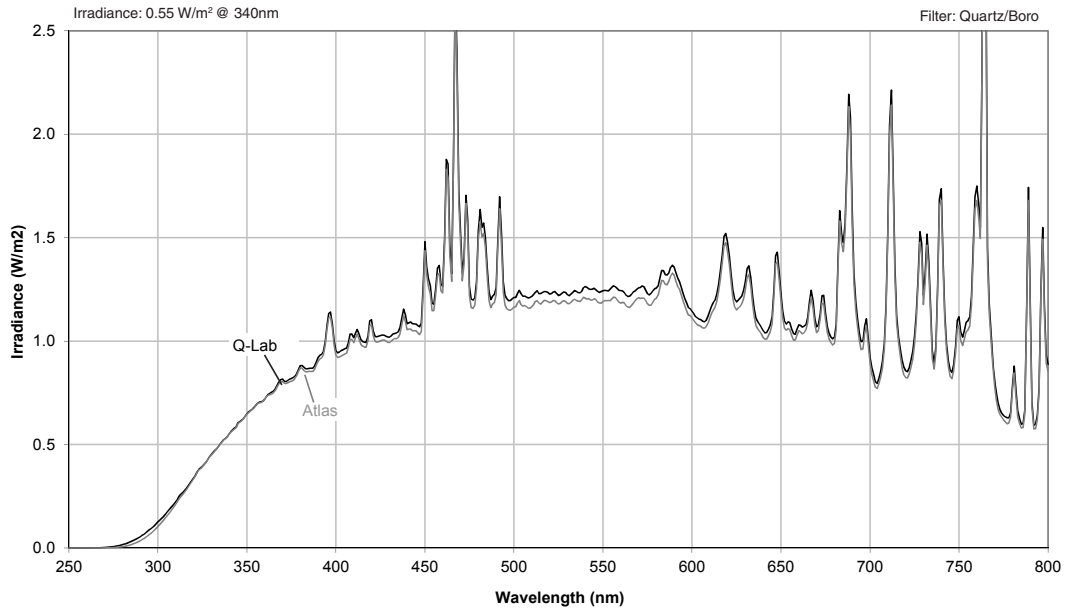


Figure 7 - Spectral Power Distribution: Q-Lab & Atlas Quartz Inner and Boro Outer (Quartz/Boro) Filters for Water Cooled Lamps

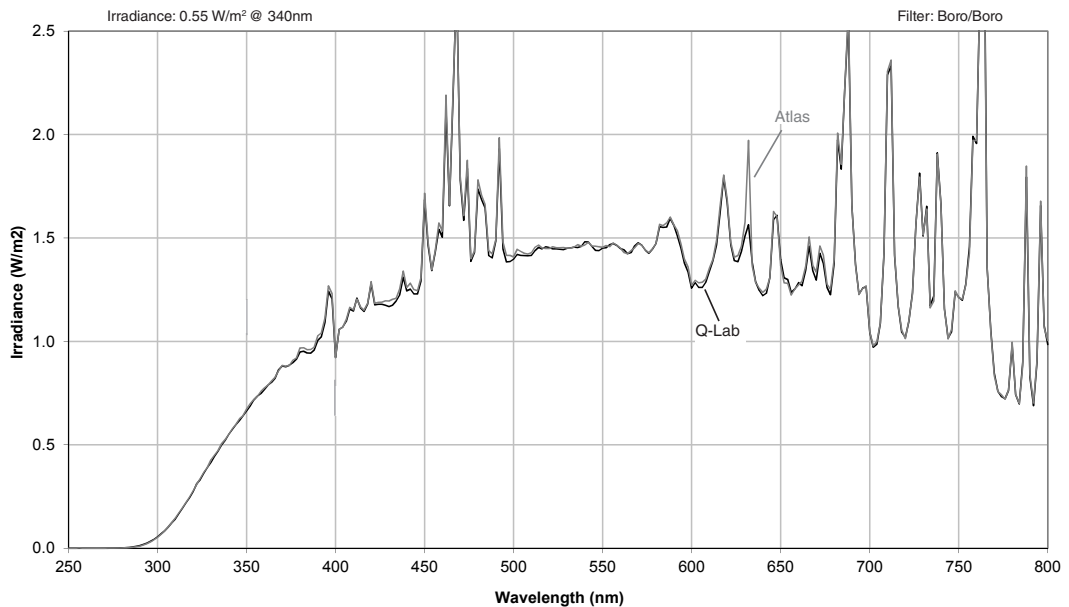


Figure 8 - Spectral Power Distribution: Q-Lab & Atlas Boro Inner and Outer (Boro/Boro) Filters for Water Cooled Lamps

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