

# PROTECT YOUR EYES FROM HIGH INTENSITY LIGHT PRODUCED DURING AN ARC FLASH



## Results:



**SWORDFISH®** BH10616AF



**SAWFISH™** BH26621PFT

### WHAT is Arc Flash Testing?

An arc flash is an electric arc explosion from an arcing fault which produces both radiant and convective heat with the potential to ignite clothing and burn workers.

The purpose of the test is to observe the response characteristics of safety glasses when exposed to an open-air electric arc. Arc flash testing is performed to determine a product or material's response to an electrical arc event by establishing an arc rating.

### WHY Arc Flash Rated?

The most serious eye injuries typically occur when the eyes are exposed or the safety glass used melts, drips or ignites – arc flash testing is performed to ensure the glasses/lenses stay intact and protect your eyes from serious damage.

The Swordfish® BH10616AF has been rated to prevent serious eye injury due to arc exposure at 4.9 Cal/cm<sup>2</sup>.

The Sawfish™ BH26621PFT has been rated to prevent serious eye injury due to arc exposure at 5.8 Cal/cm<sup>2</sup>.

### WHO needs Arc Rating?

Arc flash testing is relevant for any worker potentially exposed to an electric arc generating a heat flux of >2 Cal/cm<sup>2</sup>.

Anyone with exposure to electrical hazards must have arc rated PPE available, as mandated by OSHA.



Electrical arcs emit extremely high intensity light across a wide spectrum that can damage eyes delicate structures, such as the cornea and/or the retina.

Below is a typical example of arc exposure at 5 cal/cm<sup>2</sup>

**THERE WAS NO EVIDENCE  
OF AFTER-FLAME, IGNITION,  
MELTING  
OR DRIPPING**



PLEASE NOTE: The arc testing performed is to determine at what cal exposure ignition or melting of the frame and lens occur. Styles that have been arc flash tested but not rated do not offer eye protection from arc exposure.

