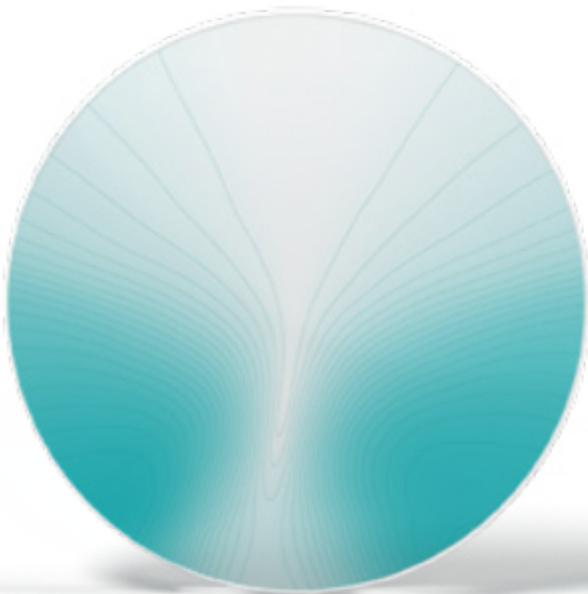


## Advanced Ray Tracing Technology (ARTT)

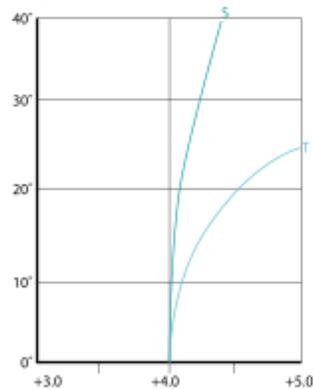
Using **Advanced Ray Tracing Technology**, OptoTech analyzed how light travels through the lens into the eye from thousands of different angles and then optimized the design for maximum clarity. For our **Multi-Directional (MD) optimized lenses**, up to 6,400 viewing angles are calculated with high-level computer modeling to match the way the human eye naturally sees.

The result? Sharper, more **natural vision across the entire lens**. This advanced design helps eliminate common issues like "tunnel vision" or blurry edges that can happen with other lens types. It also **reduces swim and sway effects**, making the lenses feel much more comfortable to wear.

Additionally, MD optimization can make **lenses up to 10% thinner and lighter** compared to traditional designs using the same material. As the graph below shows, aspheric lenses optimized for sagittal (S) and tangential (T) power keep vision stable in every direction, while significantly reducing oblique astigmatism. For the wearer, that means a **wider, clearer field of vision with minimal distortion** - just natural, effortless sight.



Without ARTT



With ARTT

