

# OPTICAL CLARITY- WHY IT'S IMPORTANT

The NEW VIKING™ auto-darkening cartridges for the 1840, 2450 and 3350 series offer a perfect EN379-1/1/1/1 optical clarity rating. The ratings correspond to four important optical categories.

- Optical Class
- Diffusion of Light Class
- Variations in Luminous Transmittance
- Angle Dependence of Luminous Transmittance Class

Each category is graded on a scale of 1-3, with a score of 1 being the best and 3 being the worst.



**Perfect Lincoln Electric rating of 1/1/1/1**

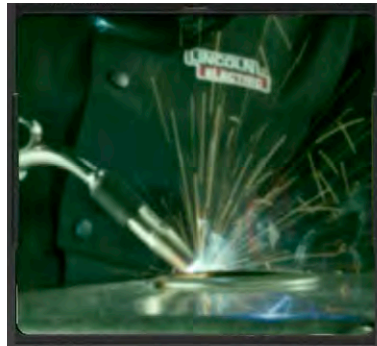
NOTE: The illustration above represents the improved clarity possible with the latest VIKING helmets. Visit your local Lincoln Electric distributor to view the upgraded VIKING clarity under actual welding conditions.

**Optical Class**  
– Distorted image



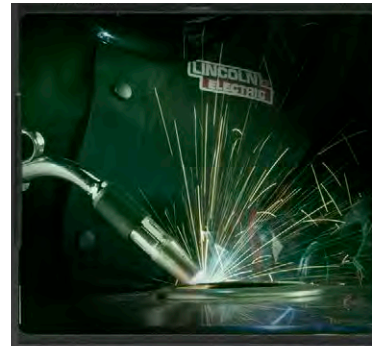
3/X/X/X

**Diffusion of Light Class**  
– Blurry image



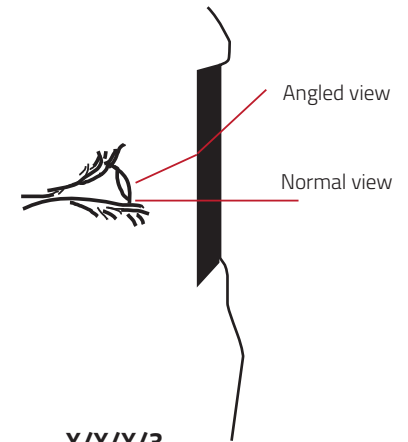
X/3/X/X

**Variations in Luminous Transmittance**  
– Even shade



X/X/3/X

**Angle Dependence of Luminous Transmittance Class**  
– The shade remains consistent when looking at an angle.



X/X/X/3