Effectiveness of Clear-Lens Turn Signals in Direct Sunlight

Although our data confirm that, in general, clear-lens lamps are likely to provide signals that are less discriminable, the variability within each lamp type is large. In other words, some clear-lens turn lamps currently on the road are likely to be resistant to sun phantoms, and some amber-lens lamps are not.

The report also discusses the desirable photometric levels of turn signals for effective performance in direct sunlight. Finally, it is argued that an indirect benefit of turn-signal lamps that are near low-beam headlamps is that, because of their higher required intensities, they are likely to be less susceptible to sun phantoms than lamps farther away from low beams.