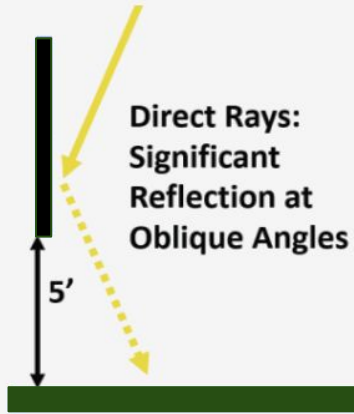


# AntiVertiGlare- Antireflective Coatings for Vertical Bifacial Solar Arrays

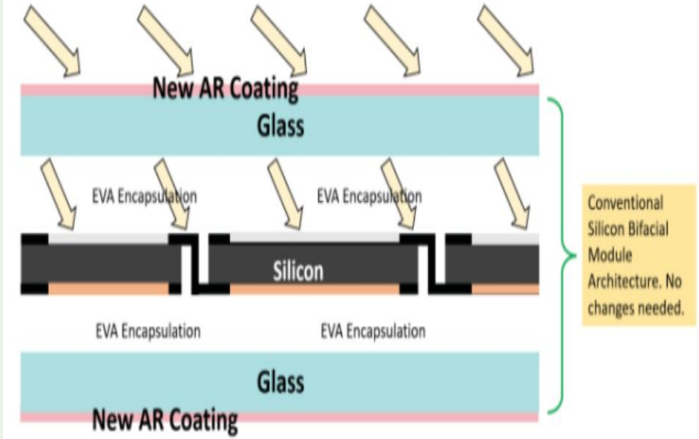
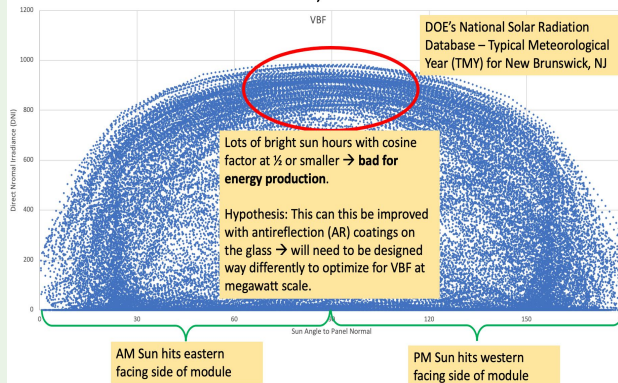
**Agrivoltaics:** the use of land for both farming and photovoltaic power generation

Vertical bifacial solar panels are ideal for this purpose, but glancing sunlight angles around midday decrease power production

**Solution:** Use sol-gel chemistry to create an antireflective coating optimized for glancing angles to be applied to the solar cell cover glass



Vertical Bifacial – Full Year, 5-Minute Intervals



Solar Active Photon Fraction at 75° Oblique Incidence

