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ELECTRICAL SAFETY TESTING  
& MEASURING.

# What happens if the irradiance changes during an I-V curve measurement?

Ideally, if the real life irradiance is constant, the I-V curve will be a straight line. In practice, however, there are many factors that can affect the I-V curve. One of the most common is a change in irradiance during the measurement. This can happen for a number of reasons, such as a change in the sun's position or a change in the weather. If the irradiance changes during the measurement, the I-V curve will be distorted. This means that the power output of the PV module will be lower than it would be if the irradiance was constant. This is why it is important to ensure that the irradiance is constant during an I-V curve measurement. If it is not, the results will be inaccurate and the PV module will appear to be underperforming.

If you require more help, please contact us at <https://www.seaward.com/cms/enquiry/>.