



**SEAWARD**  
ELECTRICAL SAFETY TESTING  
& MEASURING.

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

Ideally, if the real life irradiance is stable, the I-V curve will be a straight line. However, in real life, the irradiance can change during the measurement. This can happen due to 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 is because the current generated by the PV module is directly proportional to the irradiance. If the irradiance increases, the current will increase, and if it decreases, the current will decrease. This will result in a curve that is not a straight line. Therefore, it is important to ensure that the irradiance is stable during the measurement. If it is not, the results will be inaccurate.

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