

# Solar Glare Hazard Analysis Report

Generated March 27, 2017, 8:32 a.m.

## Glare found

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## Inputs

Analysis name	Fore St Garage
PV array axis tracking	none
Orientation of array (deg)	150.0
Tilt of solar panels (deg)	5.0
Rated power (kW)	193.63
Vary reflectivity	True
PV surface material	Smooth glass with ARC

Timezone offset	-5.0
Subtended angle of sun (mrad)	9.3
Peak DNI (W/m <sup>2</sup> )	1000.0
Ocular transmission coefficient	0.5
Pupil diameter (m)	0.002
Eye focal length (m)	0.017
Time interval (min)	1
Correlate slope error with material	False
Slope error (mrad)	10.0

## PV array vertices

id	Latitude (deg)	Longitude (deg)	Ground Elevation (ft)	Height of panels above ground (ft)	Total elevation (ft)
1	43.6565243195	-70.2545911074	34.79	48.0	82.79
2	43.6566407526	-70.2543121576	32.98	48.0	80.98
3	43.6563923616	-70.2541190386	28.1	42.0	70.1
4	43.6562681657	-70.2544087172	29.42	42.0	71.42

## Observation Points

	Latitude (deg)	Longitude (deg)	Ground Elevation (ft)	Eye-level height above ground (ft)
10 Exchange St	43.6565320817	-70.2537294477	25.36	50.0

## Glare Occurrence Plot

All times are in standard time. For Daylight Savings Time add one hour.

1-minute time interval.  
All times are in standard time.  
For Daylight Savings Time add one hour.

