

Solar Access and Shade Report

9/7/2017

For:

Iris Wilson
246 GARFIELD AVE
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By:

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Measurements made by Solmetric SunEye™ -- www.solmetric.com



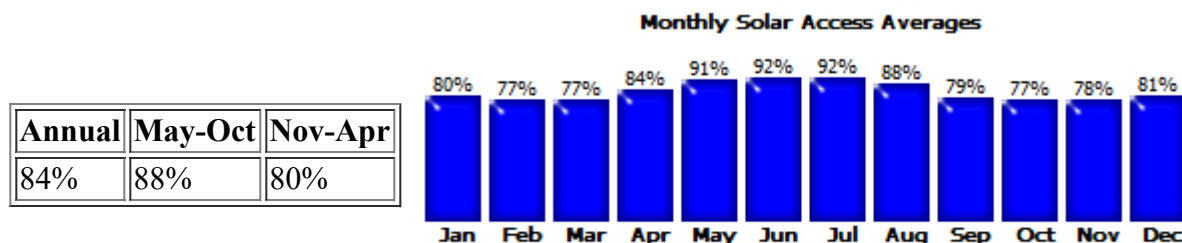
Importable and printable version of this report:
[Iris Wilson Report \(importable and printable\).htm](#)

Session Properties

Name	246_Garfield Ave
Creation Date	1/17/2017 11:13
Note	(none)
Location	34.1°N, 117.8°W Mag Dec: 12.0°E Time Zone: GMT-08:00

Solar access averages of 6 skylines in this session

Skylines Averaged: Sky01, Sky02, Sky03, Sky04, Sky05, Sky06



TSRF averages of 6 skylines in this session: 84%



Solar access averages in CSV format (in the ExportedFiles subdirectory):

[AverageSolarAccess.csv](#)

Windowed Solar access averages in CSV format (in the ExportedFiles subdirectory):

[AverageWindowedSolarAccess.csv](#)

Solar shading averages in CSV format (in the ExportedFiles subdirectory):

[AverageShading.csv](#)

Obstruction elevation data in CSV format (in the ExportedFiles subdirectory):

[ObstructionElevations.csv](#)

Windowed obstruction elevation data in CSV format (in the ExportedFiles subdirectory):

[WindowedObstructionElevations.csv](#)

PV*SOL horizon angles averages (.hor)

[ObstructionElevationsAvg_PV_SOL.hor](#)

PV*SOL horizon angles maximums (.hor)

[ObstructionElevationsMax_PV_SOL.hor](#)

PVSYST horizon angles averages (.hor)
[ObstructionElevationsAvg_PV_SYST.hor](#)

PVSYST horizon angles maximums (.hor)
[ObstructionElevationsMax_PV_SYST.hor](#)

Session Geotags in [Google Earth](#) KMZ format (in the ExportedFiles subdirectory):
[GoogleEarthGeotags.kmz](#)

Skylines

- [Sky01 - \(no skyline note\)](#)
- [Sky02 - \(no skyline note\)](#)
- [Sky03 - \(no skyline note\)](#)
- [Sky04 - \(no skyline note\)](#)
- [Sky05 - \(no skyline note\)](#)
- [Sky06 - \(no skyline note\)](#)

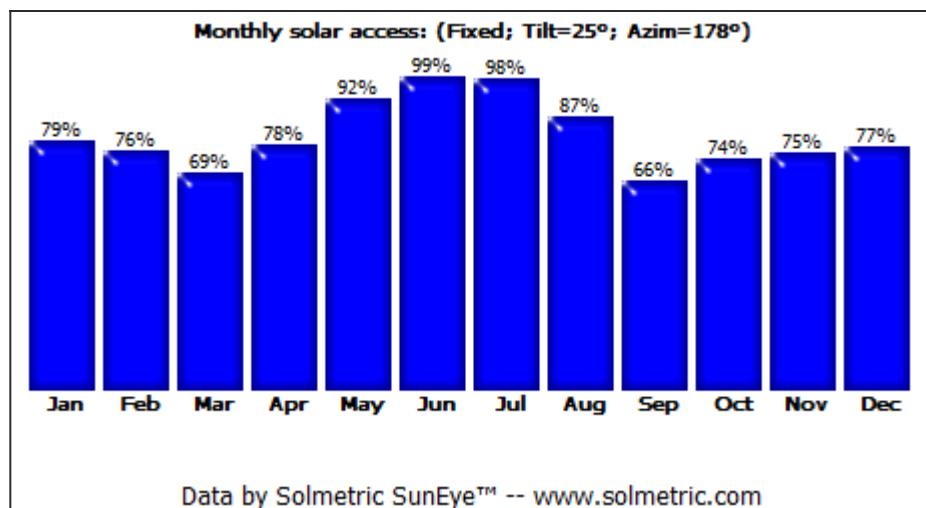
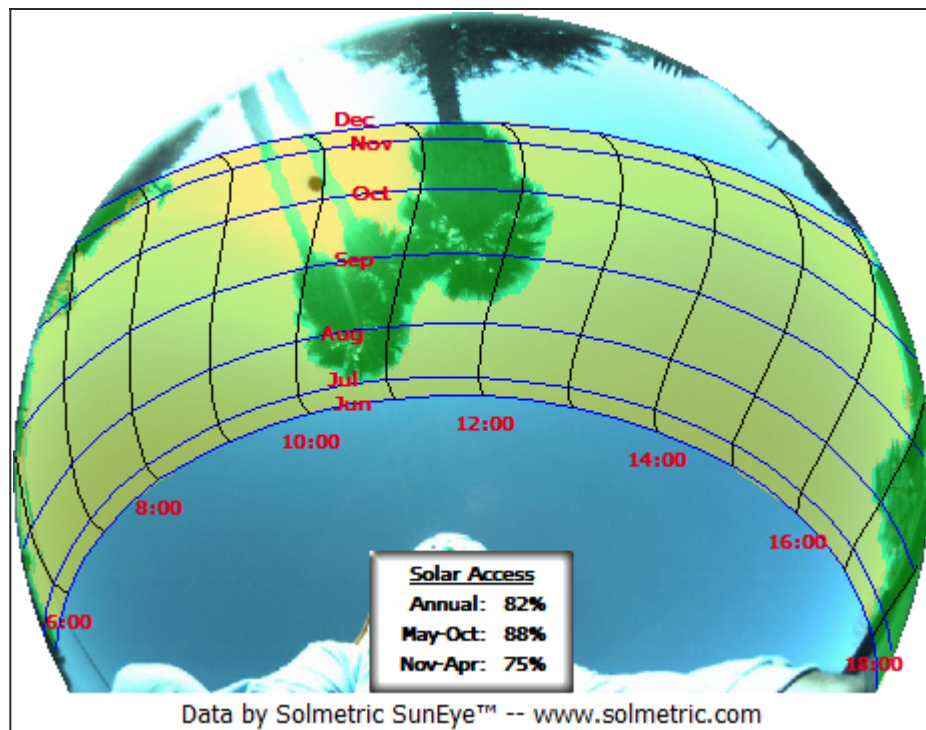
Sky01 -- 1/17/2017 11:17 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=178° -- **Skyline Heading=178°**

GPS Location: Latitude=34.07146°N -- Longitude=117.74908°W

Solar Access: Annual: 82% -- Summer (May-Oct): 88% -- Winter (Nov-Apr): 75%

TSRF: 82% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky01DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky01WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky01Insolation.csv
Shading (quarter-hourly) in CSV format	Sky01Shading.csv
Solar obstruction elevations in CSV format	Sky01ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky01ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky01_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky01_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky01WindowedObstructionElevations.csv
Full resolution fish eye image	Sky01FullFishEye.jpg
Annual access fully annotated sky image	Sky01AnnualAccessFullyAnnotated.jpg

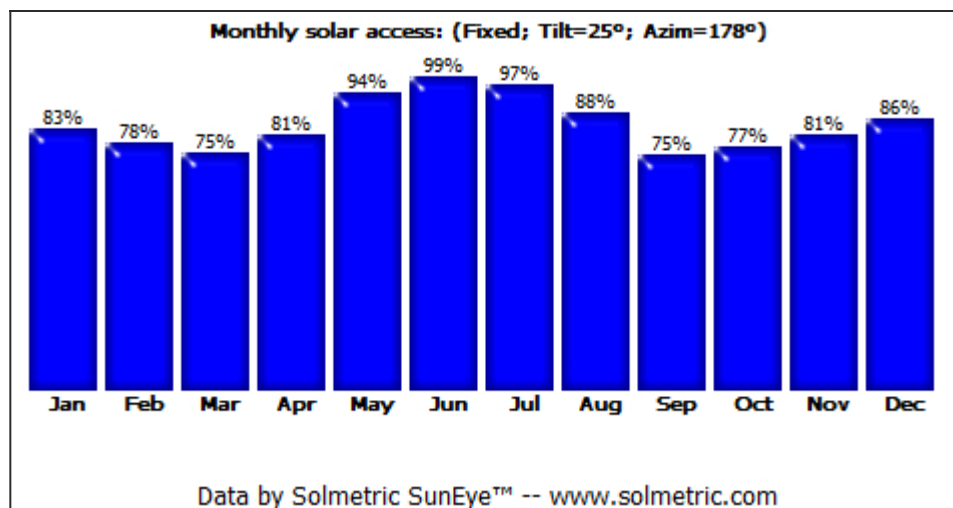
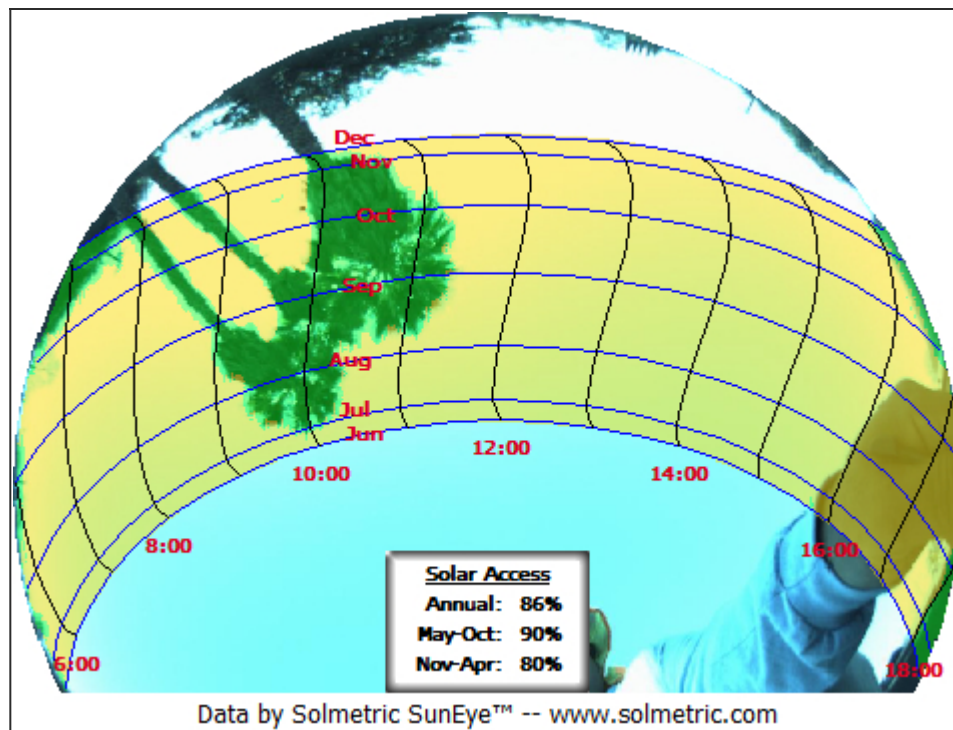
Sky02 -- 1/17/2017 11:19 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=178° -- **Skyline Heading=181°**

GPS Location: Latitude=34.07146°N -- Longitude=117.74911°W

Solar Access: Annual: 86% -- Summer (May-Oct): 90% -- Winter (Nov-Apr): 80%

TSRF: 85% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky02DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky02WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky02Insolation.csv
Shading (quarter-hourly) in CSV format	Sky02Shading.csv
Solar obstruction elevations in CSV format	Sky02ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky02ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky02_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky02_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky02WindowedObstructionElevations.csv
Full resolution fish eye image	Sky02FullFishEye.jpg
Annual access fully annotated sky image	Sky02AnnualAccessFullyAnnotated.jpg

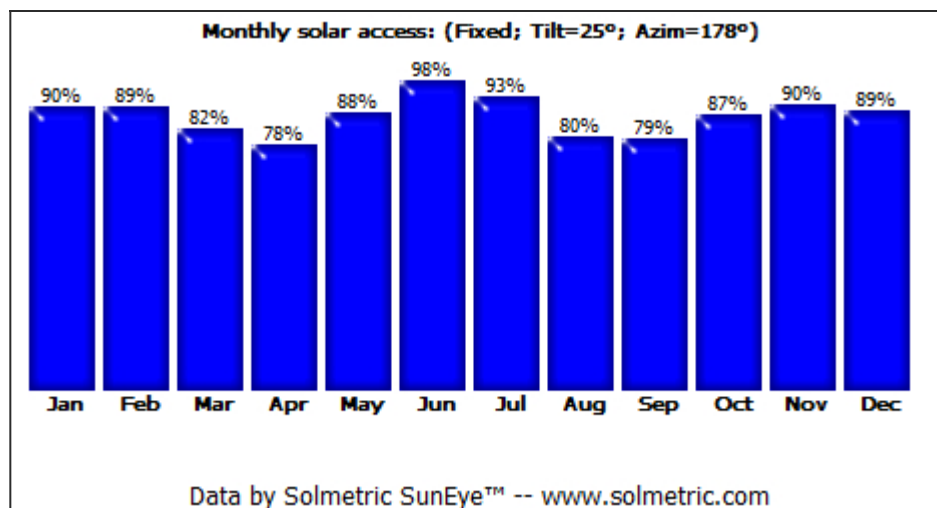
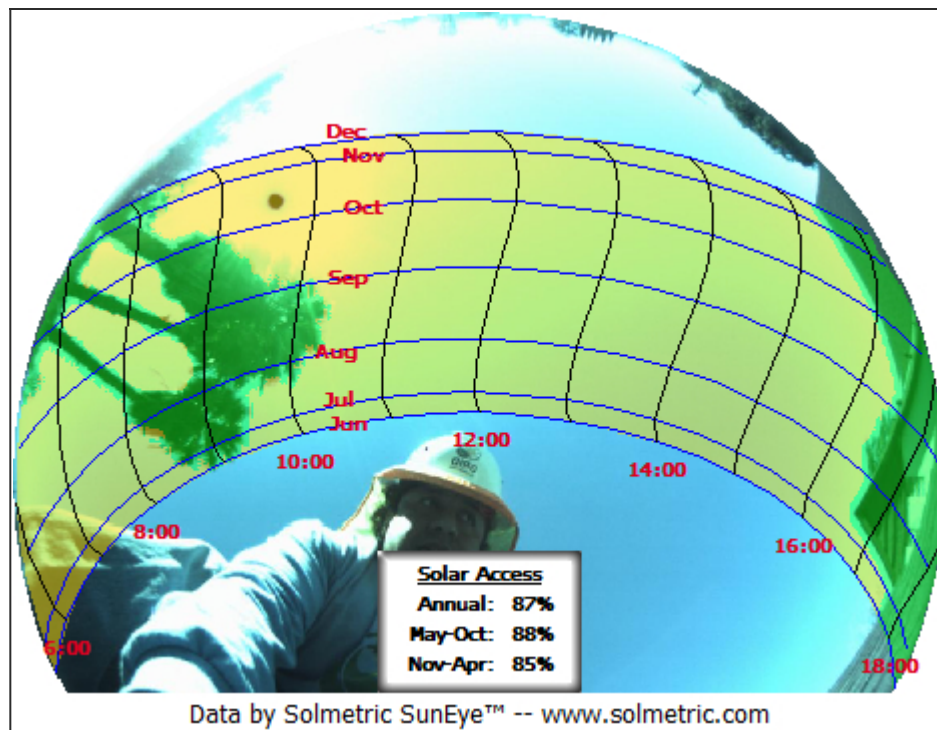
Sky03 -- 1/17/2017 11:20 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=178° -- **Skyline Heading=180°**

GPS Location: Latitude=34.07146°N -- Longitude=117.74915°W

Solar Access: Annual: 87% -- Summer (May-Oct): 88% -- Winter (Nov-Apr): 85%

TSRF: 86% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky03DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky03WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky03Insolation.csv
Shading (quarter-hourly) in CSV format	Sky03Shading.csv
Solar obstruction elevations in CSV format	Sky03ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky03ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky03_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky03_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky03WindowedObstructionElevations.csv
Full resolution fish eye image	Sky03FullFishEye.jpg
Annual access fully annotated sky image	Sky03AnnualAccessFullyAnnotated.jpg

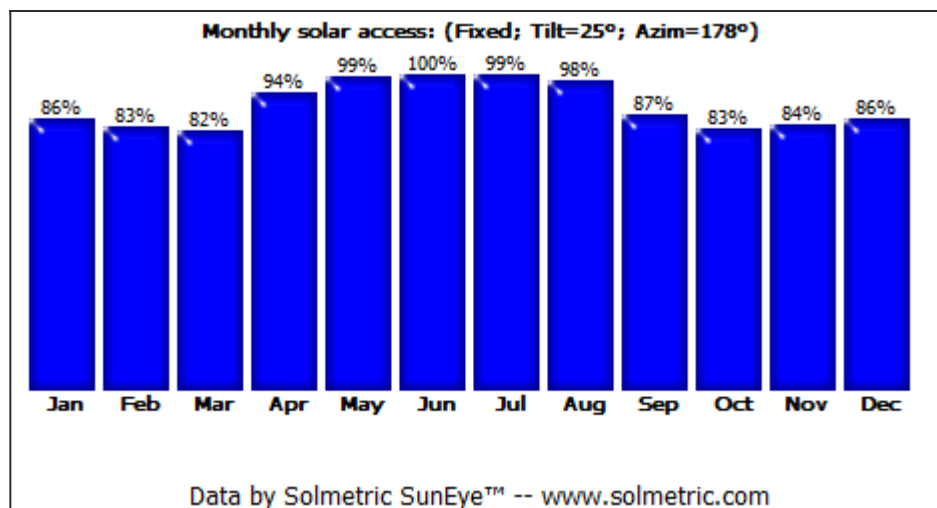
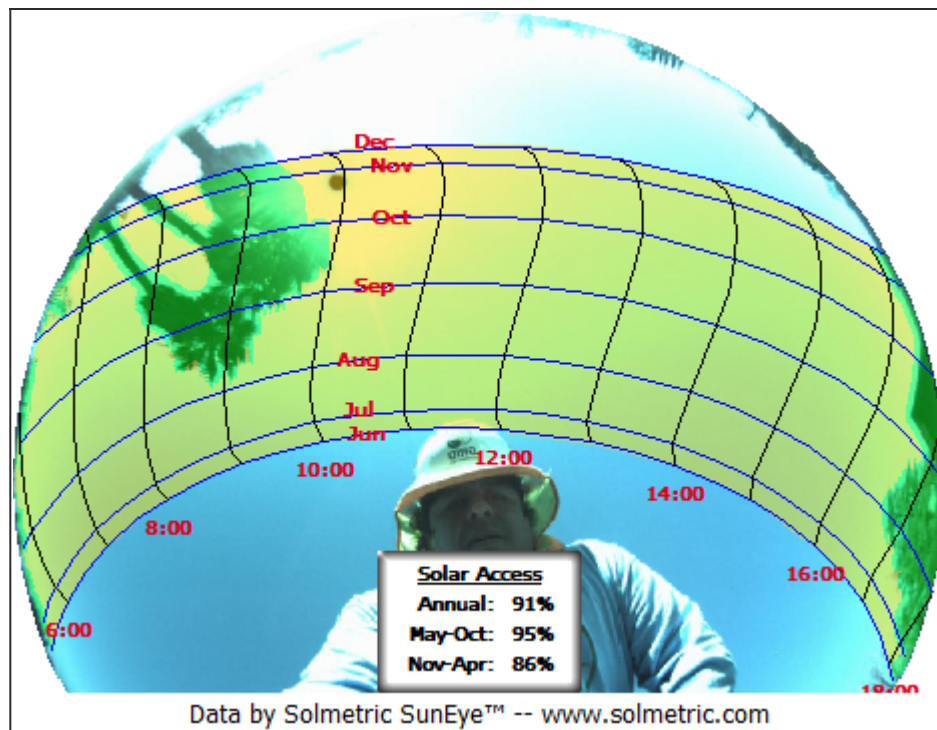
Sky04 -- 1/17/2017 11:21 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=178° -- **Skyline Heading=177°**

GPS Location: Latitude=34.07140°N -- Longitude=117.74915°W

Solar Access: Annual: 91% -- Summer (May-Oct): 95% -- Winter (Nov-Apr): 86%

TSRF: 91% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky04DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky04WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky04Insolation.csv
Shading (quarter-hourly) in CSV format	Sky04Shading.csv
Solar obstruction elevations in CSV format	Sky04ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky04ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky04_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky04_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky04WindowedObstructionElevations.csv
Full resolution fish eye image	Sky04FullFishEye.jpg
Annual access fully annotated sky image	Sky04AnnualAccessFullyAnnotated.jpg

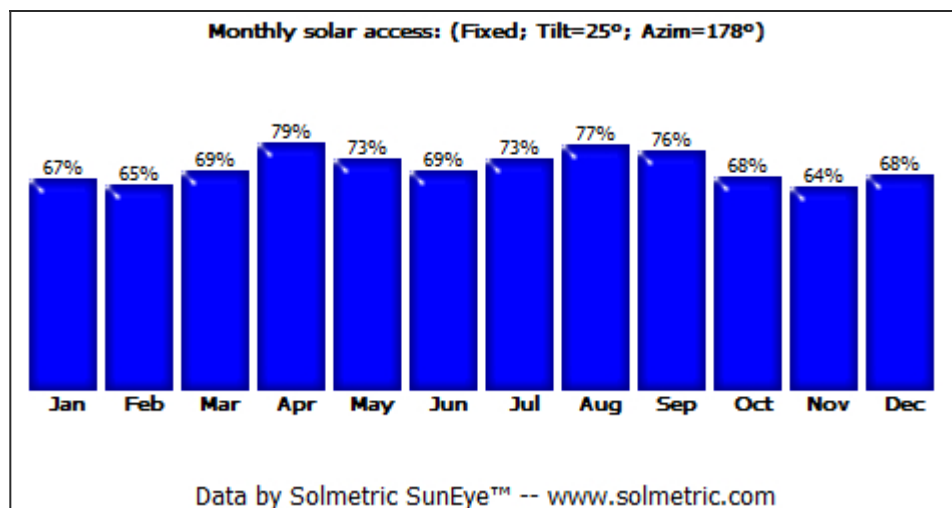
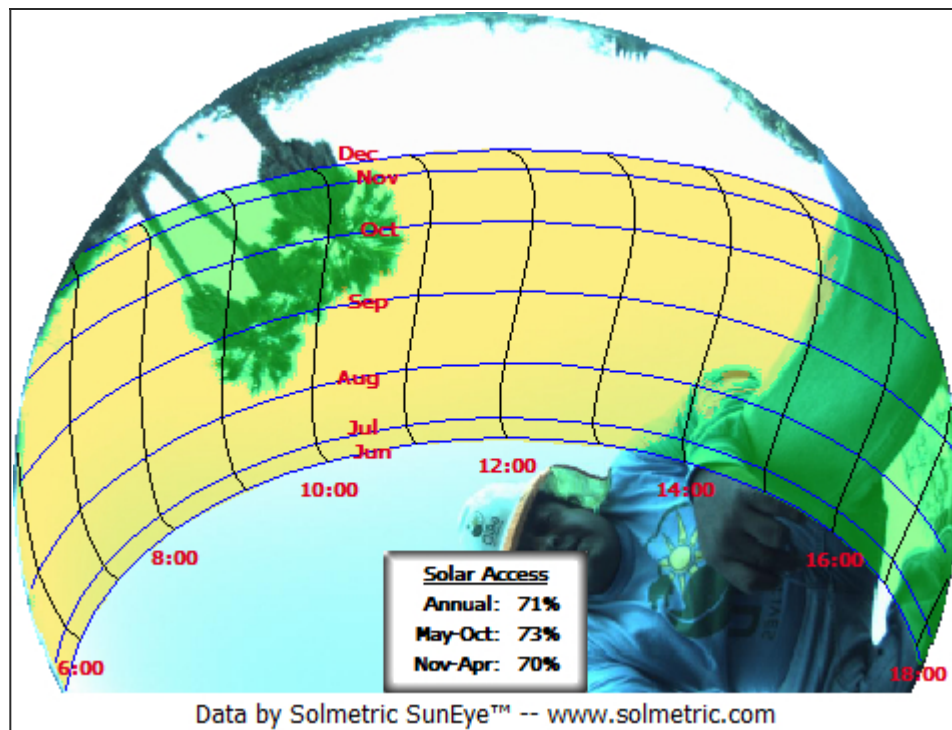
Sky05 -- 1/17/2017 11:22 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=178° -- **Skyline Heading=181°**

GPS Location: Latitude=34.07146°N -- Longitude=117.74914°W

Solar Access: Annual: 71% -- Summer (May-Oct): 73% -- Winter (Nov-Apr): 70%

TSRF: 71% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky05DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky05WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky05Insolation.csv
Shading (quarter-hourly) in CSV format	Sky05Shading.csv
Solar obstruction elevations in CSV format	Sky05ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky05ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky05_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky05_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky05WindowedObstructionElevations.csv
Full resolution fish eye image	Sky05FullFishEye.jpg
Annual access fully annotated sky image	Sky05AnnualAccessFullyAnnotated.jpg

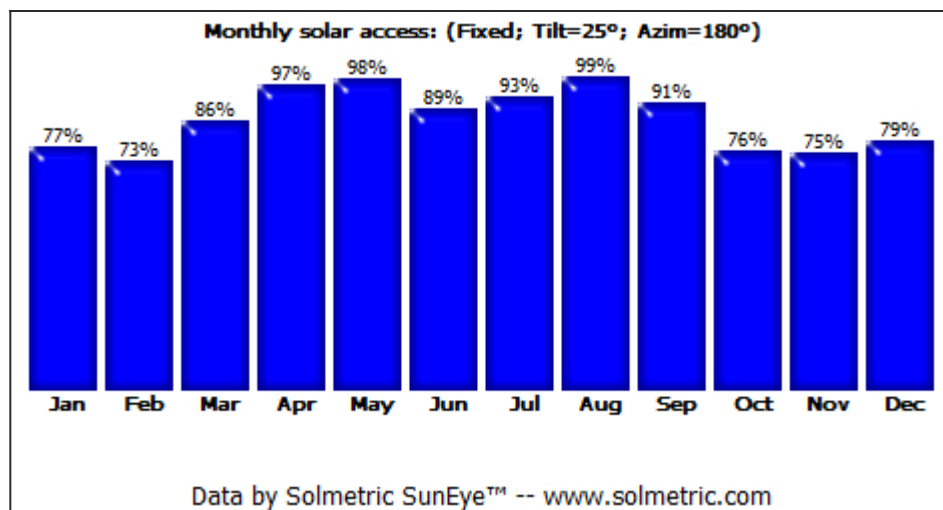
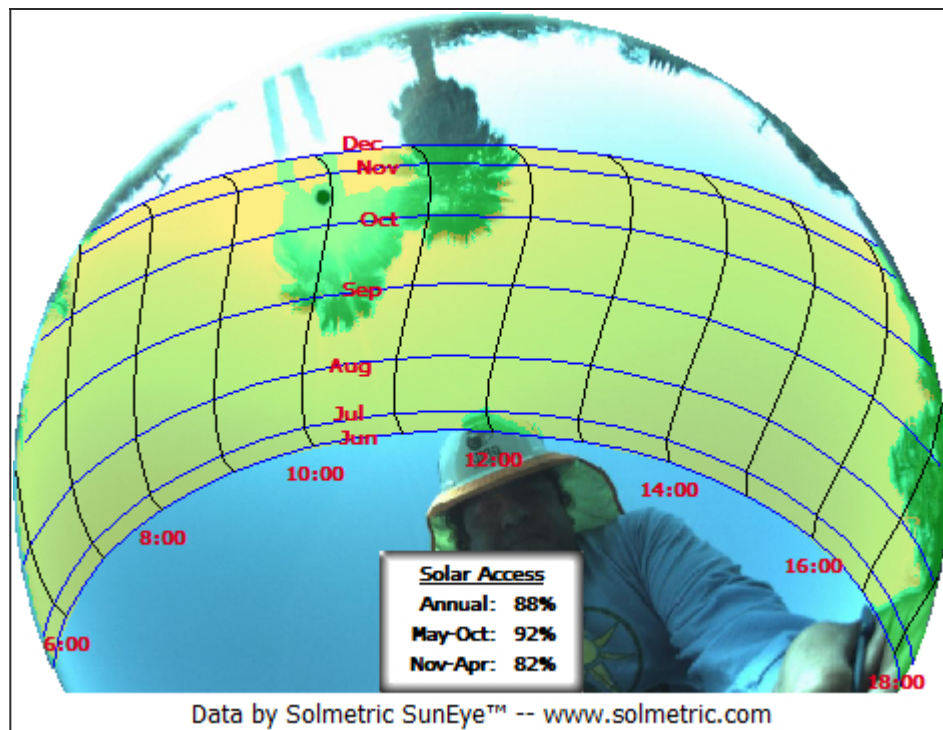
Sky06 -- 1/17/2017 11:27 -- (no skyline note)

Panel Orientation: Tilt=25° -- Azimuth=180° -- **Skyline Heading=178°**

GPS Location: Latitude=34.07146°N -- Longitude=117.74909°W

Solar Access: Annual: 88% -- Summer (May-Oct): 92% -- Winter (Nov-Apr): 82%

TSRF: 87% -- **TOF:** 99%



Additional Files in the ExportedFiles subdirectory:

Daily solar access data in CSV format	Sky06DailySolarAccess.csv
Windowed Daily solar access data in CSV format	Sky06WindowedDailySolarAccess.csv

Insolation (quarter-hourly) in CSV format	Sky06Insolation.csv
Shading (quarter-hourly) in CSV format	Sky06Shading.csv
Solar obstruction elevations in CSV format	Sky06ObstructionElevations.csv
Solar obstruction elevations in XML format	Sky06ObstructionElevations.xml
PV*SOL horizon angles file (.hor)	Sky06_PV_SOL.hor
PVSYST horizon angles file (.hor)	Sky06_PVSYST.hor
Windowed obstruction elevations in CSV format	Sky06WindowedObstructionElevations.csv
Full resolution fish eye image	Sky06FullFishEye.jpg
Annual access fully annotated sky image	Sky06AnnualAccessFullyAnnotated.jpg