EXHIBIT 4 - SHADING ANALYSIS

Solar Access and Shade Report

6/17/2011

For:

Customer Name
Address
City, NY Zip

By:

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

Importable and printable version of this report:
t (importable and printable).htm

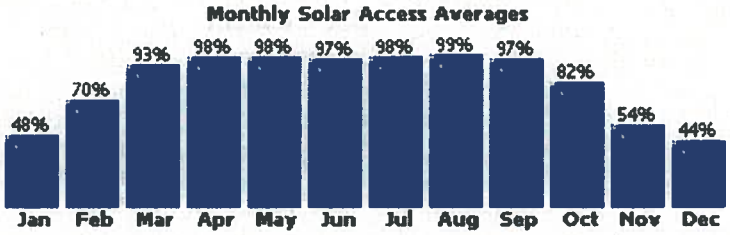
Session Properties

Name	mcfarland
Creation Date	6/15/2011 7:57
Note	(none)
Location	43.2°N, 77.4°W Mag Dec: 11.8°W Time Zone: GMT-05:00

Solar access averages of 3 skylines in this session

Skylines Averaged: Sky01, Sky02, Sky03

Annual	May-Oct	Nov-Apr
90%	96%	77%



TSRF averages of 3 skylines in this session: 81%

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

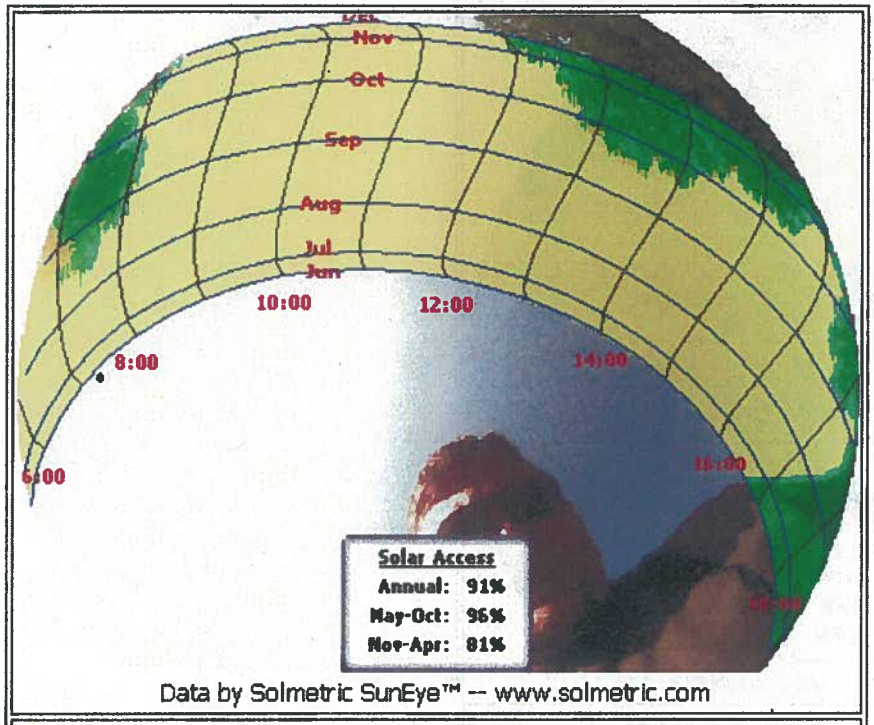
Obstruction elevation data in CSV format (in the ExportedFiles subdirectory):
ObstructionElevations.csv

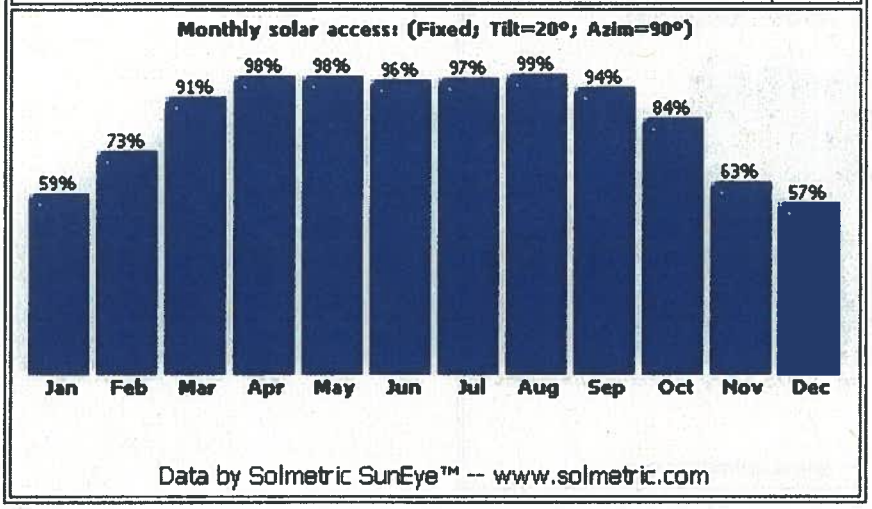
Windowed obstruction elevation data in CSV format (in the ExportedFiles subdirectory):
WindowedObstructionElevations.csv

Session Geotags in Google Earth KMZ format (in the ExportedFiles subdirectory):
[Not generated. This requires that all skylines in report have GPS coordinates.]

Sky01 -- 6/15/2011 8:01 -- east roof

Panel Orientation: Tilt=20° -- Azimuth=90° -- **Skyline Heading=168°**
Solar Access: Annual: 91% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 81%
TSRF: 78% -- **TOF:** 86%



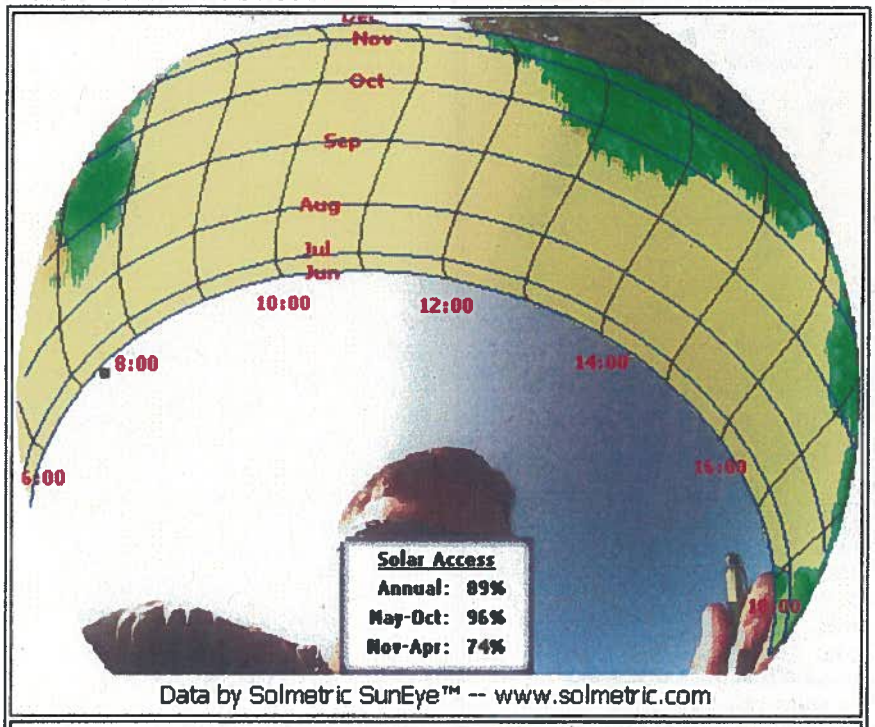


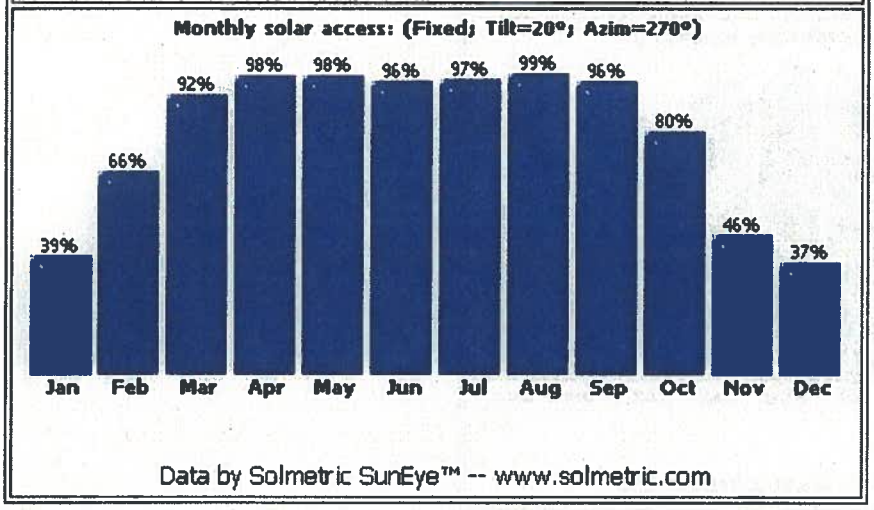
Additional Files in the ExportedFiles subdirectory:

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

Sky02 -- 6/15/2011 8:04 -- west roof

Panel Orientation: Tilt=20° -- Azimuth=270° -- **Skyline Heading=168°**
Solar Access: Annual: 89% -- Summer (May-Oct): 96% -- Winter (Nov-Apr): 74%
TSRF: 76% -- **TOF:** 86%



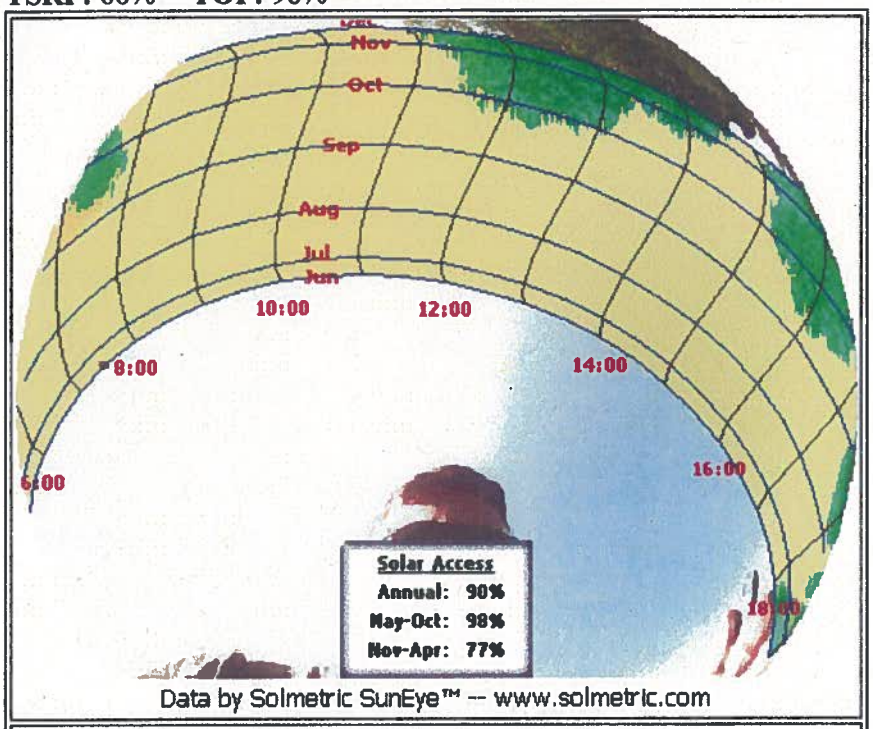


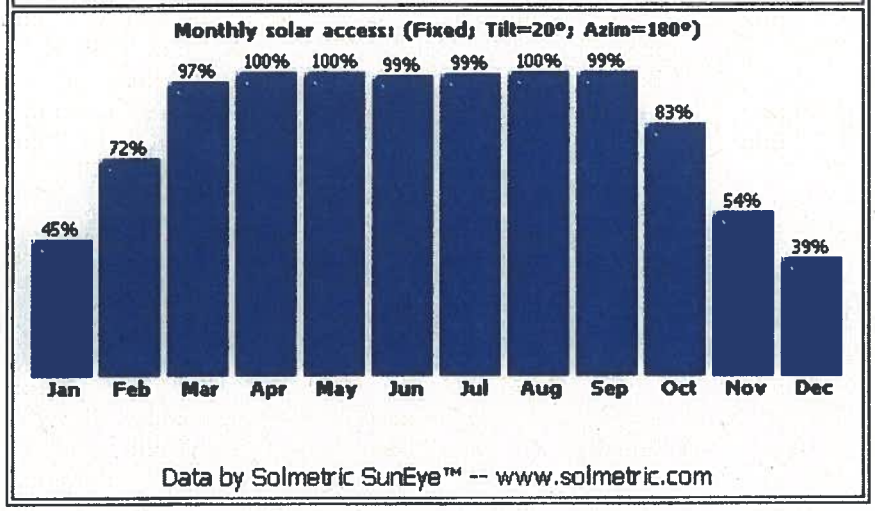
Additional Files in the ExportedFiles subdirectory:

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

Sky03 -- 6/15/2011 8:06 -- (no skyline note)

Panel Orientation: Tilt=20° -- Azimuth=180° -- **Skyline Heading=168°**
Solar Access: Annual: 90% -- Summer (May-Oct): 98% -- Winter (Nov-Apr): 77%
TSRF: 88% -- **TOF:** 98%





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