The sun path chart to the right is for a solar electric system located in Klamath Falls, Oregon tilted 22.5 degrees with a 90 degree azimuthal orientation. The annual AC output for a system with these characteristics is about 1.19 kWh/Watt DC per year.

For comparison, annual production capacity per Watt of an optimally oriented system (34 degree tilt and 176 degree azimuth) is 1.47 kWh/Watt DC per year.

Local Production Capacity = 1.47 kWh/Watt DC per year.

At Klamath Falls, a system oriented as in the sun path chart to the right will produce 81% of the annual electricity produced by an optimally oriented system.

The shading values in each column and enter the total in the bottom row. Sum the bottom row to determine the percent annual shading.

Percent Annual Shading: ___