



```

\usepackage{pstricks}
\usepackage{pst-plot}

\def\data{% x-> degrees y->radius
  0 1 30 1 45 1 60 1 90 1
  120 1 135 1 150 1 180 1
  210 1 225 1 240 1 270 1
  300 1 315 1 330 1 360 1
}

\makeatletter
\pst@def{ScalePoints}<%
  /y ED /x ED
  counttomark dup dup cvi eq not { exch pop } if
  /m exch def /n m 2 div cvi def
  n { /RAD exch def % save y as radius
    dup % xVal xVal
    cos exch sin RAD mul y mul m 1 roll
    RAD mul x mul m 1 roll
    /m m 2 sub def } repeat>
\makeatother

```

```
\begin{document}
\psset{yunit=5,xunit=5}

\begin{pspicture}(-1,-1)(1,1)
  \psaxes[Dx=0.2,Dy=0.2](0,0)(-1,-1)(1,1)
  % \readdata{\data}{test.dat}
  \listplot[linecolor=red,linewidth=2pt,plotstyle=ccurve,
    showpoints=true,dotstyle=o]{\data}
\end{pspicture}
```