# nLIGHT

## Dispersion data for LIEKKI<sup>TM</sup> Er80-8/125

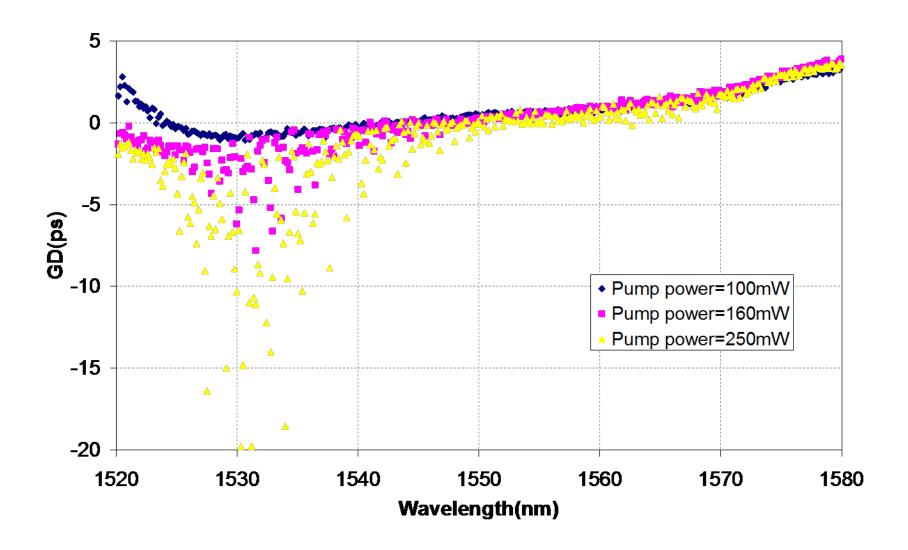
**October 9, 2008** 

#### **Definitions**

- GD: Group delay is the time required for information in a signal (that is, any specific point on the modulation waveform) to travel the length of the optical path.
- CD: The chromatic dispersion at a given wavelength is simply the local slope of the curve of group delay versus wavelength.
- DGD: Differential group delay (DGD) is defined as the maximum group delay variation <u>over all polarization states.</u>

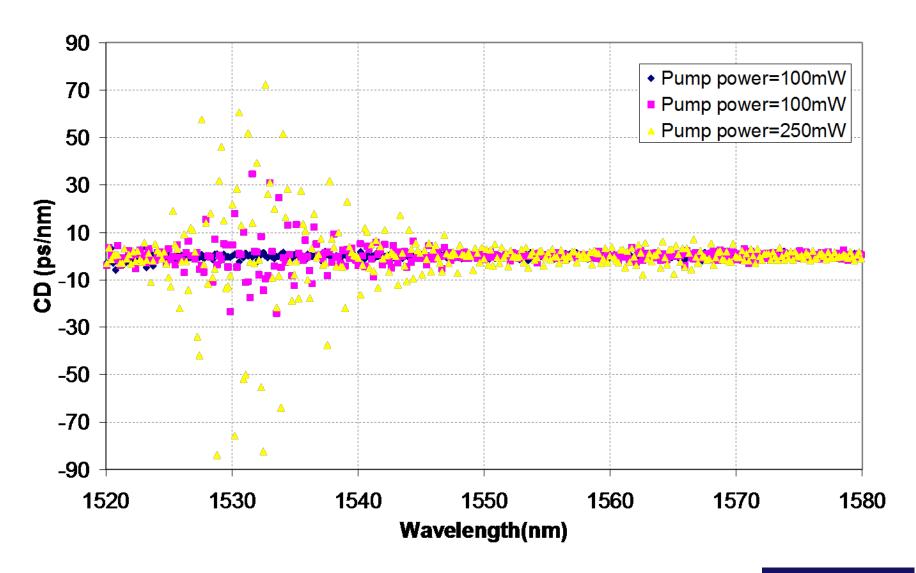


### LIEKKI<sup>TM</sup> Er80-8/125 – Group Delay





#### LIEKKI<sup>™</sup> Er80-8/125 – Chromatic Dispersion





#### LIEKKI™ Er80-8/125 – Differential Group Delay

