

coating 140988+140990

sputtered optical coating

chirped mirror pair to compensate 1mm FS (average value for one reflection - see fig. 2+3)

$HR_{s,p}(0-10^\circ, 725-875\text{nm}) > 99.8\%$

$GDD-R_{s,p}(0-10^\circ, 725-875\text{nm}) = -40 (\pm 20) \text{ fs}^2$  (average value – see fig. 4)

delivery with GD- and GDD-measurement at AOI 12°

6/ 0.2 J/cm<sup>2</sup> 800nm 40fs 1KHz Ø15µm WRCP Budapest

6/ 0.25 J/cm<sup>2</sup> 800nm 128 fs 1KHz Ø15µm WRCP Budapest

fig. 1 calculated reflection 0° ( \_\_\_\_\_ 140988 - - - - 140990)

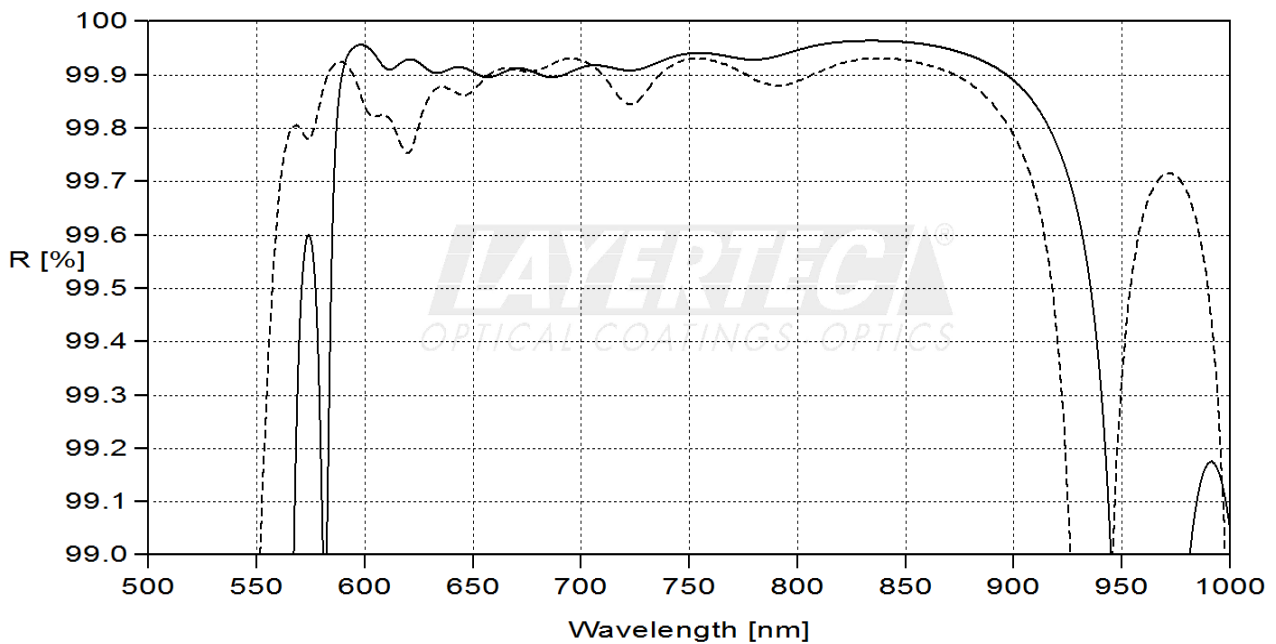


fig. 2 black – GD of 1mm Fused Silica  
red –  $(GD-R(0^\circ,140988) + GD-R(0^\circ,140990)) / 2$

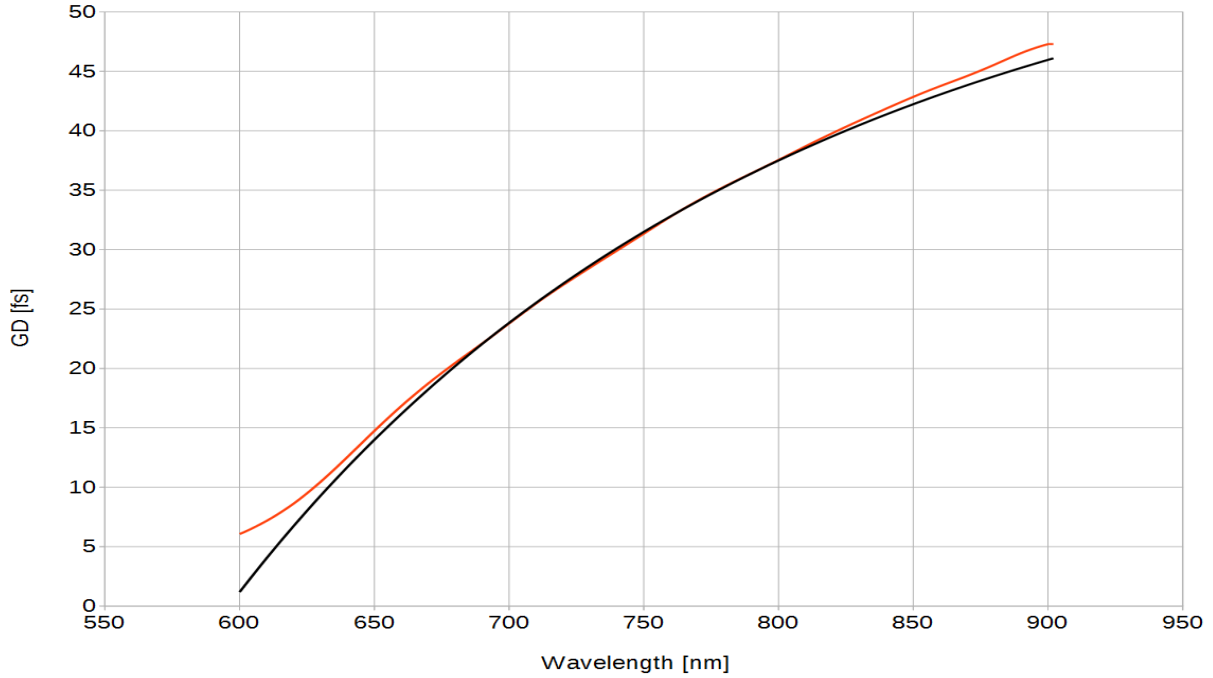


fig. 3 difference between red and black curve (Fig. 2)

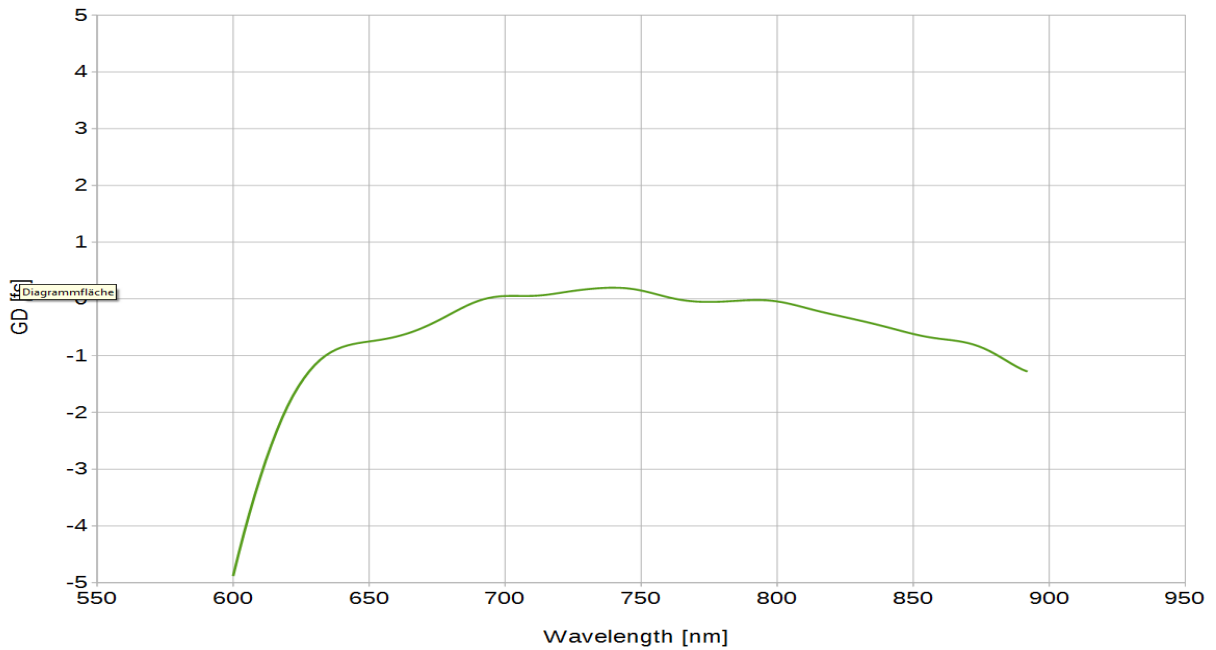


fig. 4 calculated GDD-R(0°) ( \_\_\_\_\_ 140988 - - - - 140990 blue - average)

