

Coating 148727 + 148728



sputtered optical system

Chirped mirror pair to compensate the material dispersion of 0.7 mm Fused Silica with one bounce (average value after 2n reflections)

HR(5°, 510 – 920 nm) > 99.7%

difference between GD (0.7mm FS) and the average GD-value after one bounce < 1.5 fs

GDD-R(5°, 520-900nm) = - 40 fs² (±70 fs²)

fig 1 reflectance 5° black: 148727 red: 148728

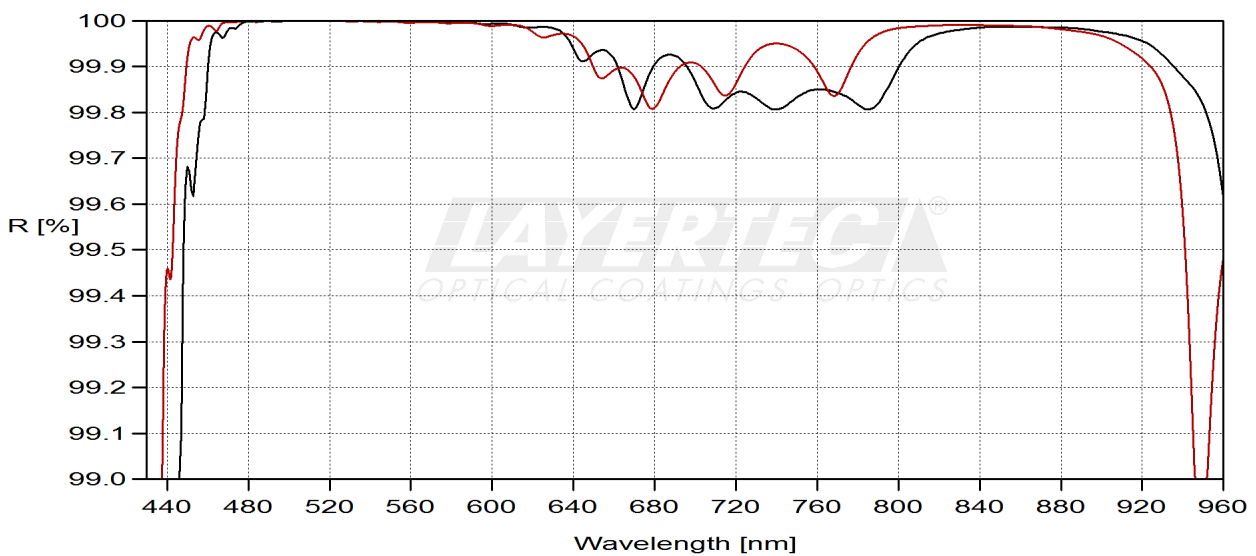


fig. 2 calculated GD-R(5°)

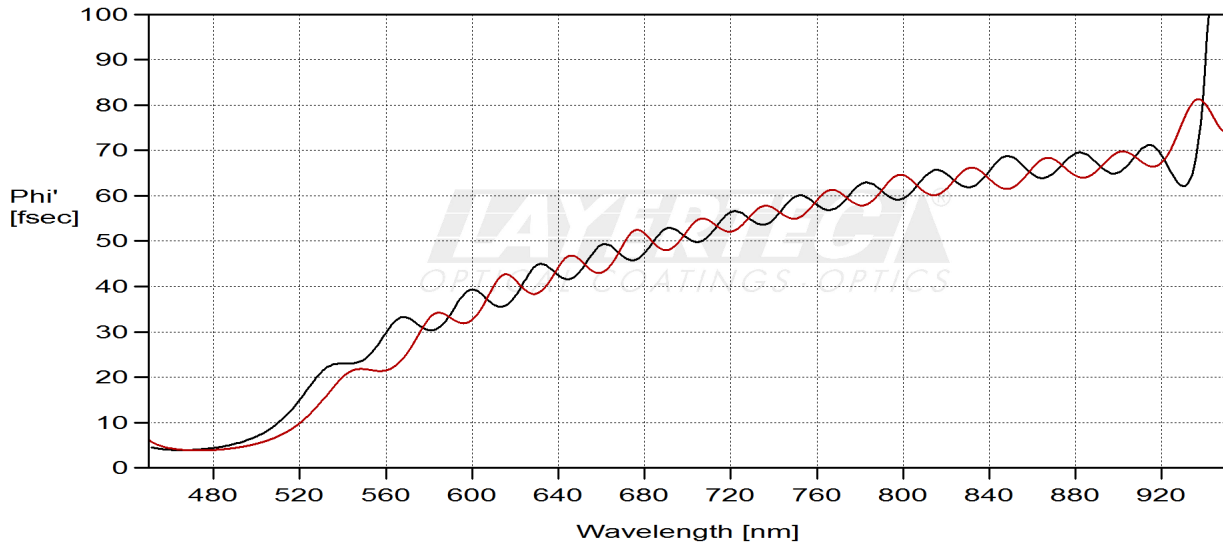


fig. 3 black – theory GD-R(5°) of 0.7mm FS - blue (average GD-R(5°) [148727+148728]/2)

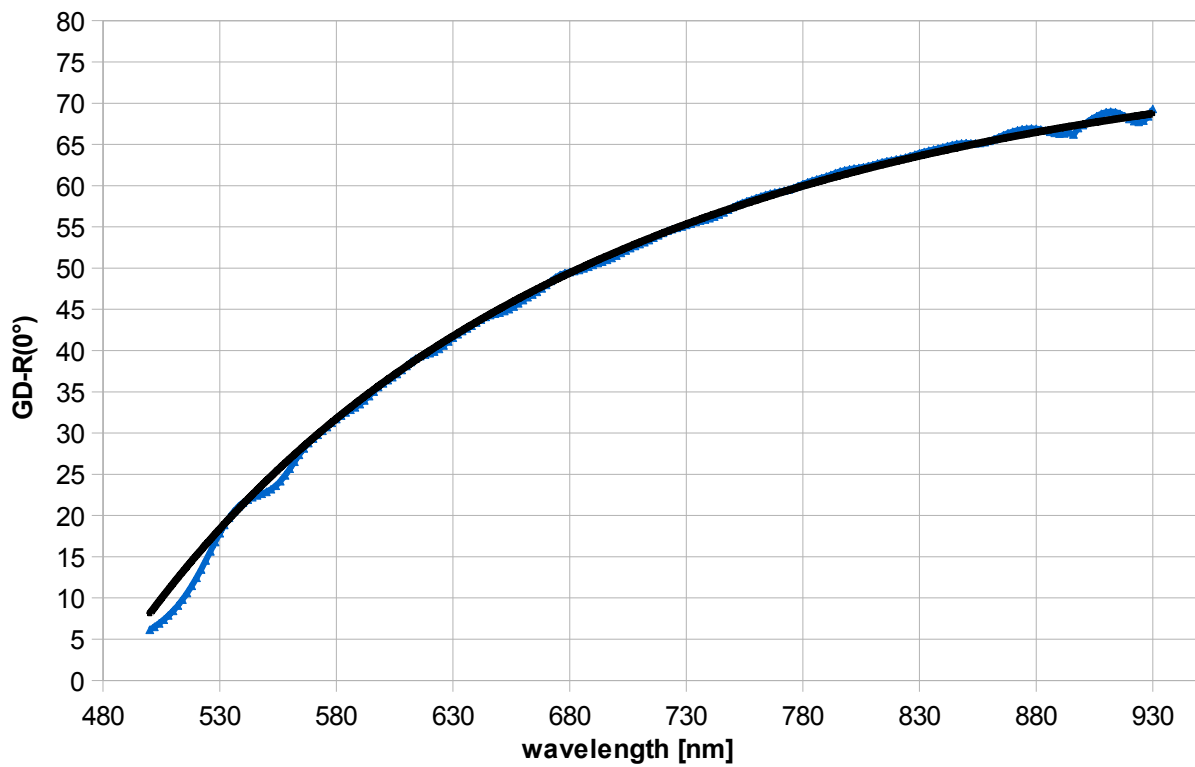


fig. 4 difference between black and blue curves fig. 3

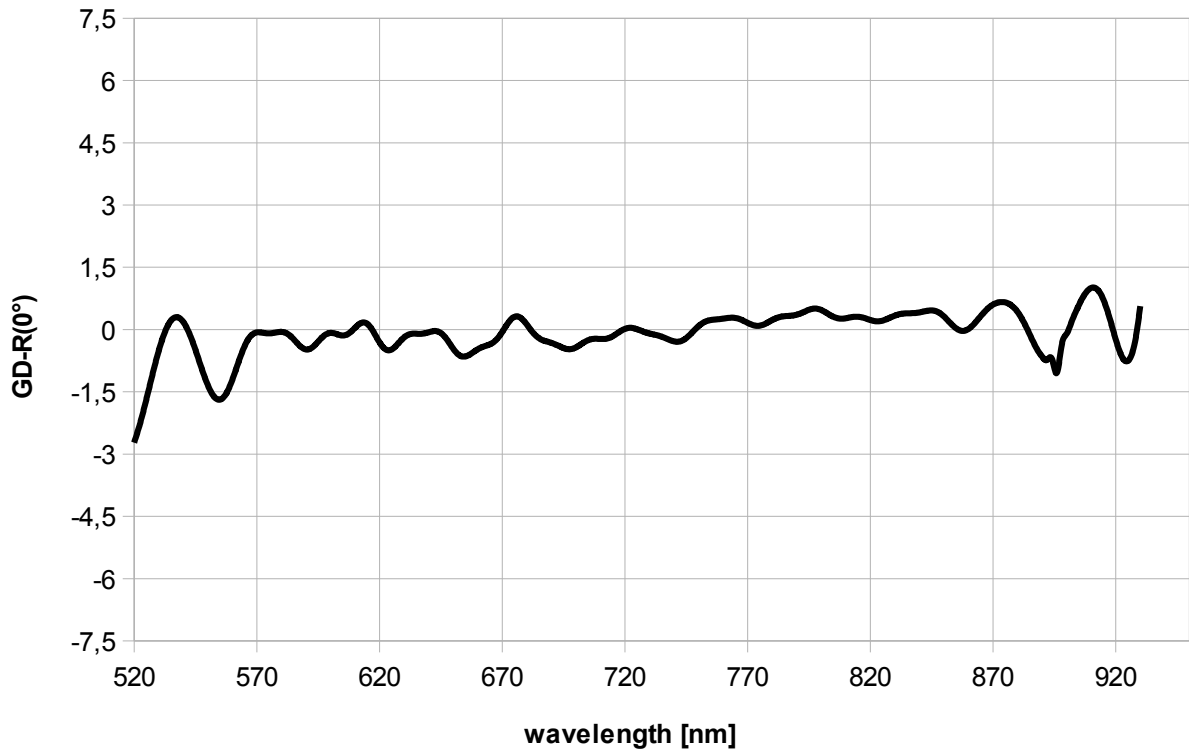


fig. 5 calculated GDD-R(5°) with average value ([148727+148728] / 2)

