

Coatings 148909 and 148910



sputtered optical system

Chirped mirror pair to compensate the material dispersion of 0.2 mm Fused Silica with one bounce (average value after 2n reflections)

HRp(5°, 340-440 nm) > 99%

difference between GD (0.2mm FS) and the average GD-value after one bounce < 1 fs

GDD-Rp(5°,340-440nm) = - 25 fs² (±25 fs²)

fig 1 reflectance 7° black: 148909 red: 148910

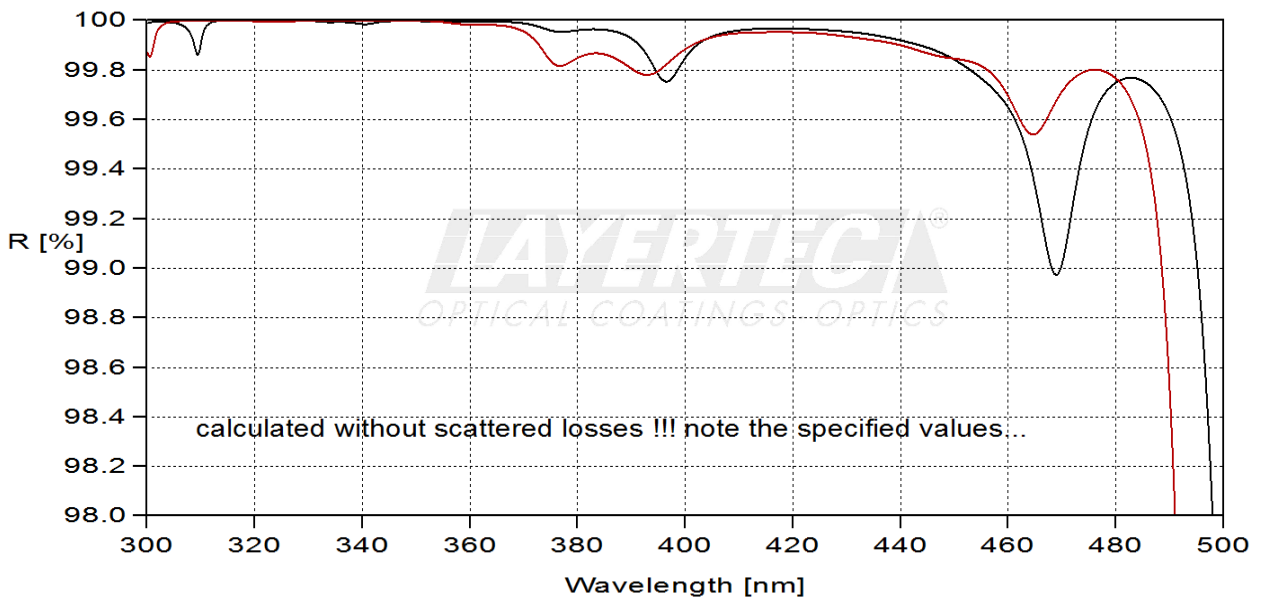


fig. 2 calculated GD-Rp(7°)

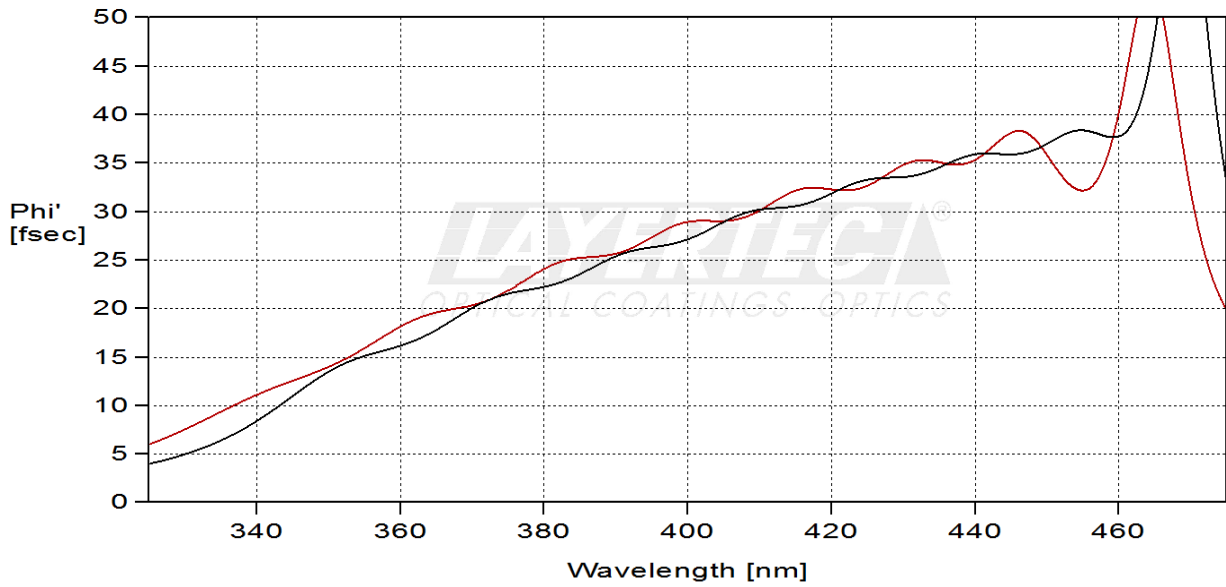


fig. 3 black – theory GD-Rp(5°) of 0.2 mm FS - blue (average GD-Rp(5°) [148909+148910]/2)

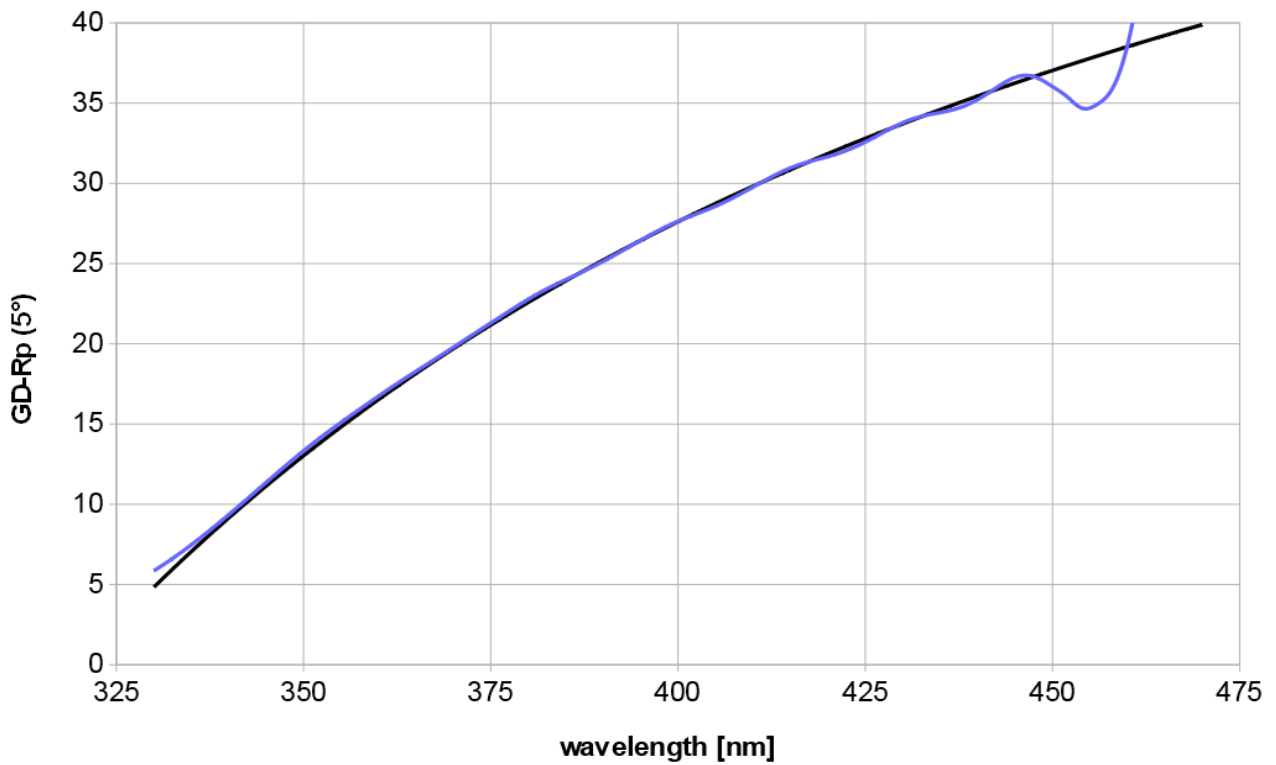


fig. 4 difference between black and blue curves fig. 3

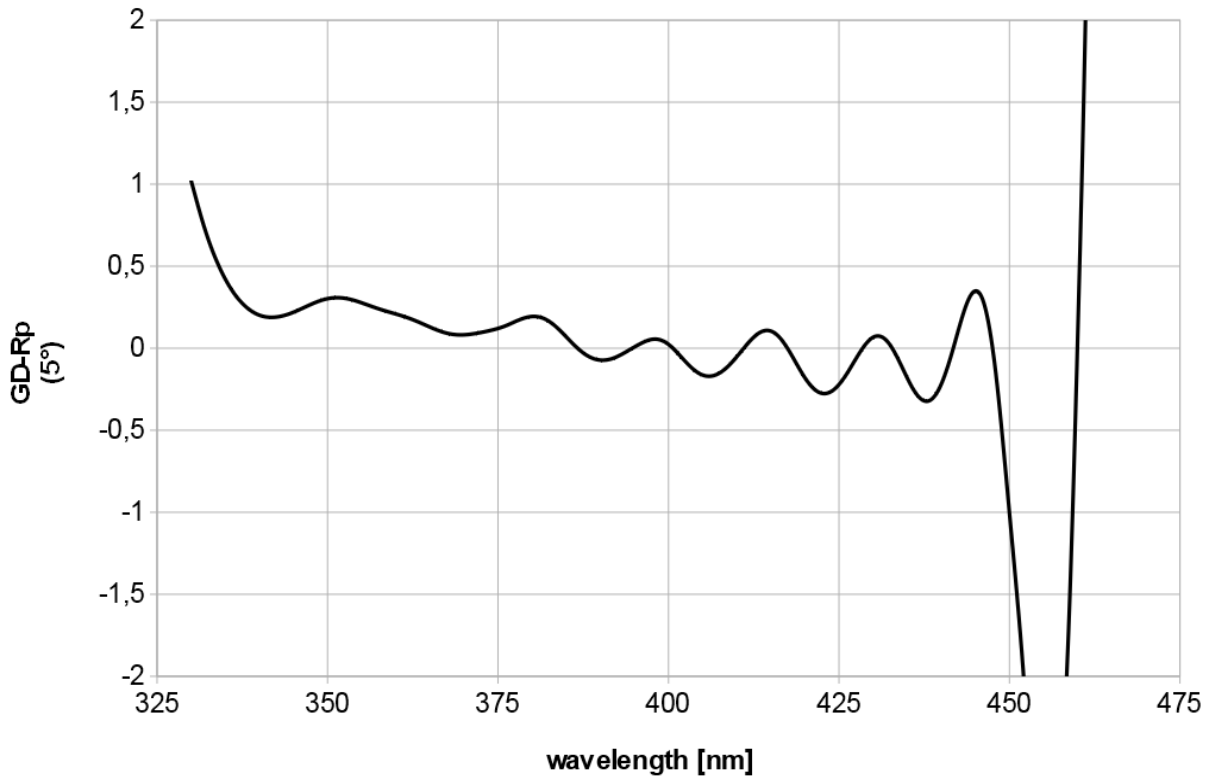


fig. 5 calculated GDD-Rp(5°) with average value ([148909+148910] / 2)

