

Reflet: Scattering Measurements

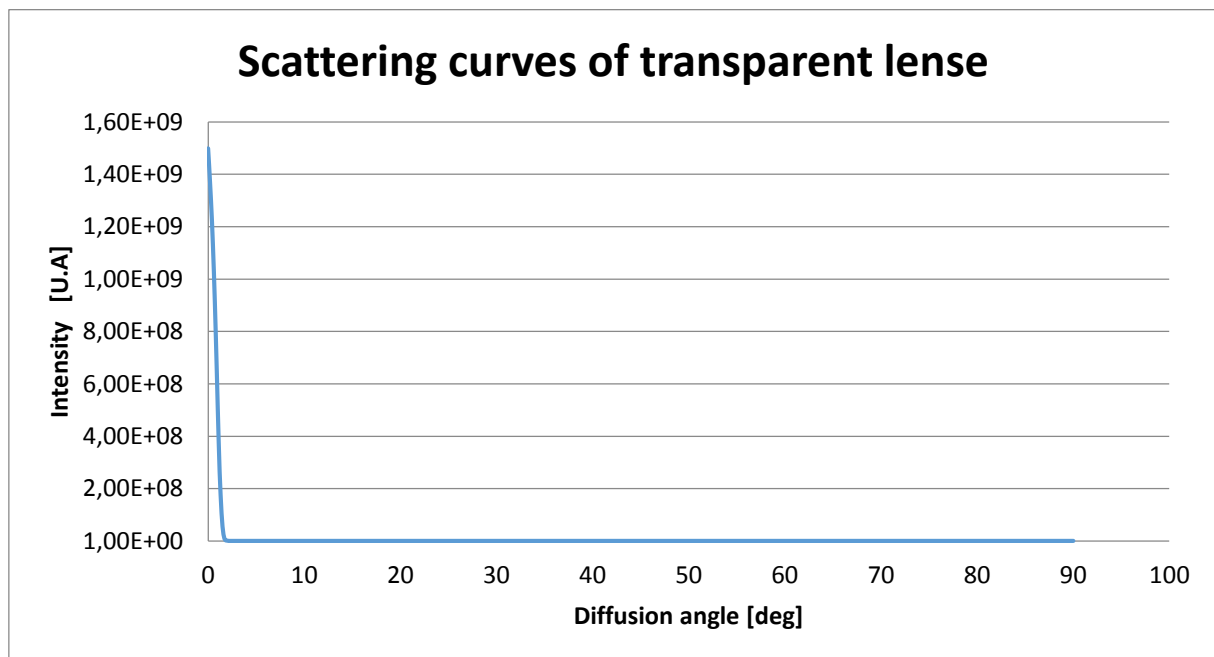
Application Note: BRDF measurements of very low scattering sample



Glass lens

With the New Detection System of the REFLET Bench, composed of several detectors, we can now reach a **high dynamic of 10^9** in our scattering measurements.

Example: Measurement of transparent glass lenses:



In one scan, we have access to the maximum scattering peak value, and to the scattering lobe information, which is not possible with the standard detector (photodiode).

This system allows to manufacturers of glass, crystal, any transparent object, to characterize the transmittance, the scattering of their sample, and also analyse the surface planarity, roughness, and detect any defects.

This permits to compare easily different surfaces which appears identical with other measurement tool, but which does not have the same optical properties.