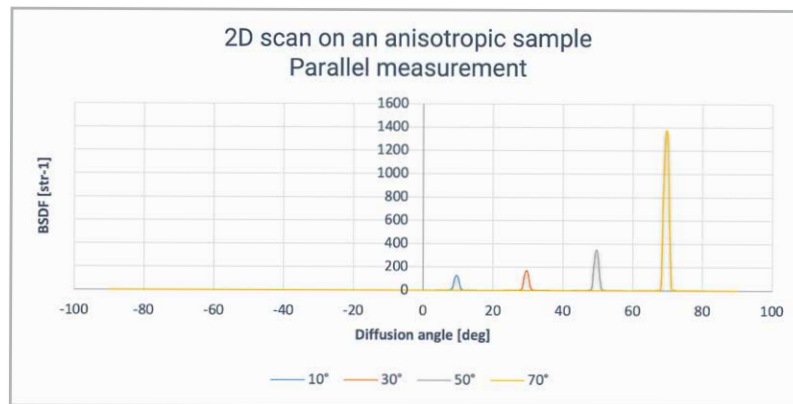


REFLET: Scattering Measurements

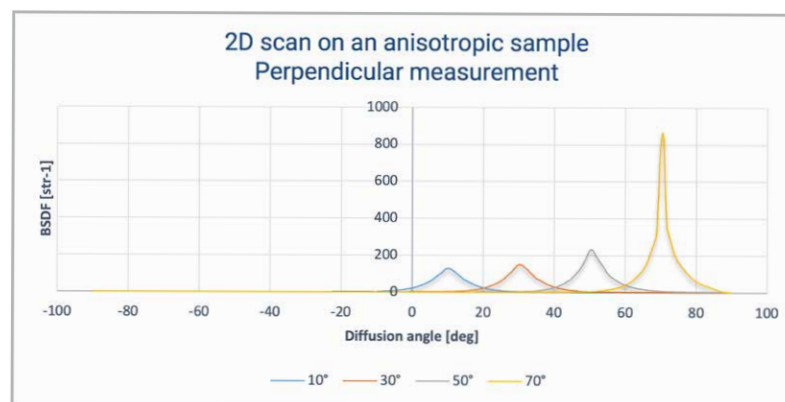
BRDF Measurements of Aluminum

Due to manufacturing processes, aluminum plates have scattering properties that are not the same if the incident light hitting the aluminum is parallel or perpendicular to the thin grooves of the plate.

The figure below displays the measurement of an aluminum sample with incident light parallel to the grooves, at four different incident angles.



The next figure shows measurement of the same aluminum sample with incident light perpendicular to the grooves, at four different incident angles.



With the REFLET Bench, you can easily analyze such differences in the reflectance maximum peak and the scattering angle, and see that the same material has different properties, depending on its position versus incident light.