

Reflét: Scattering Measurements

Application Note: From Measurement to BRDF



Lambertian Standard
(Spectralon) from Labsphere

The **REFLET** is measuring the scattered light for a fixed incident angle.

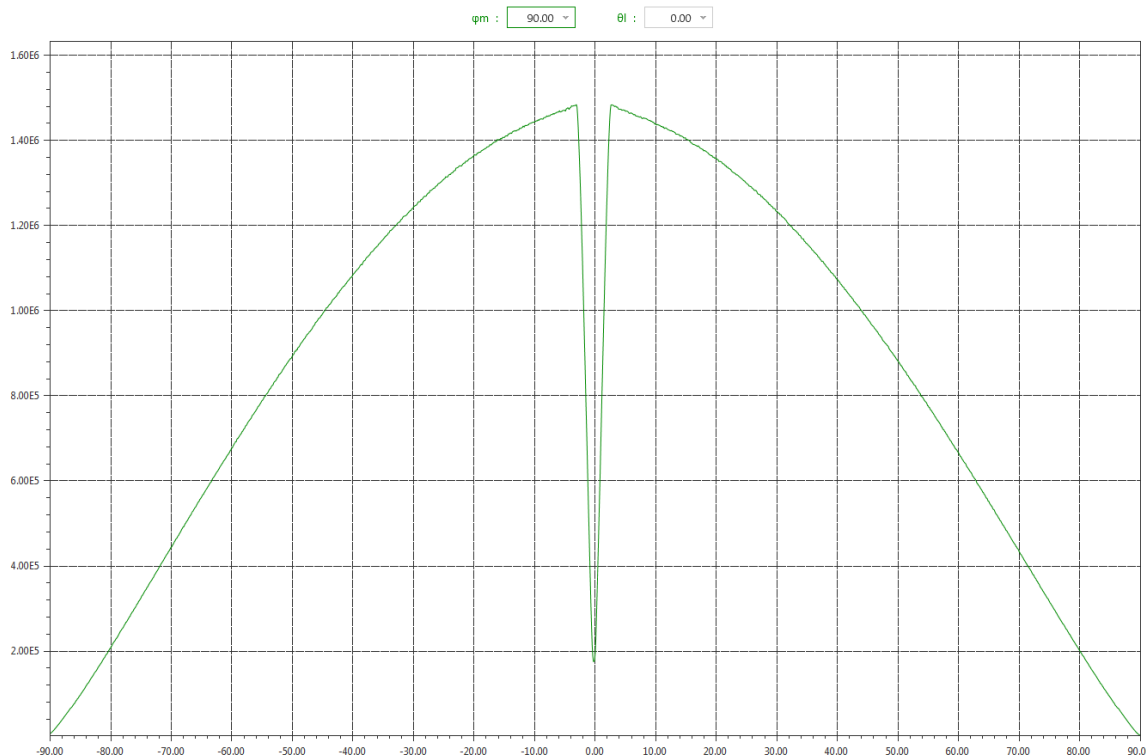
This measurement is done scanning the scattered light either in one plane (2D scan) or in several planes (3D Scan). We can scan the whole hemisphere. After a measurement, the measured data has to be:

1. Re-calculate knowing the calibration of the bench,
2. Transform in BRDF values.

REFLET response: the measurement of the Lambertian standard shows small deviation.

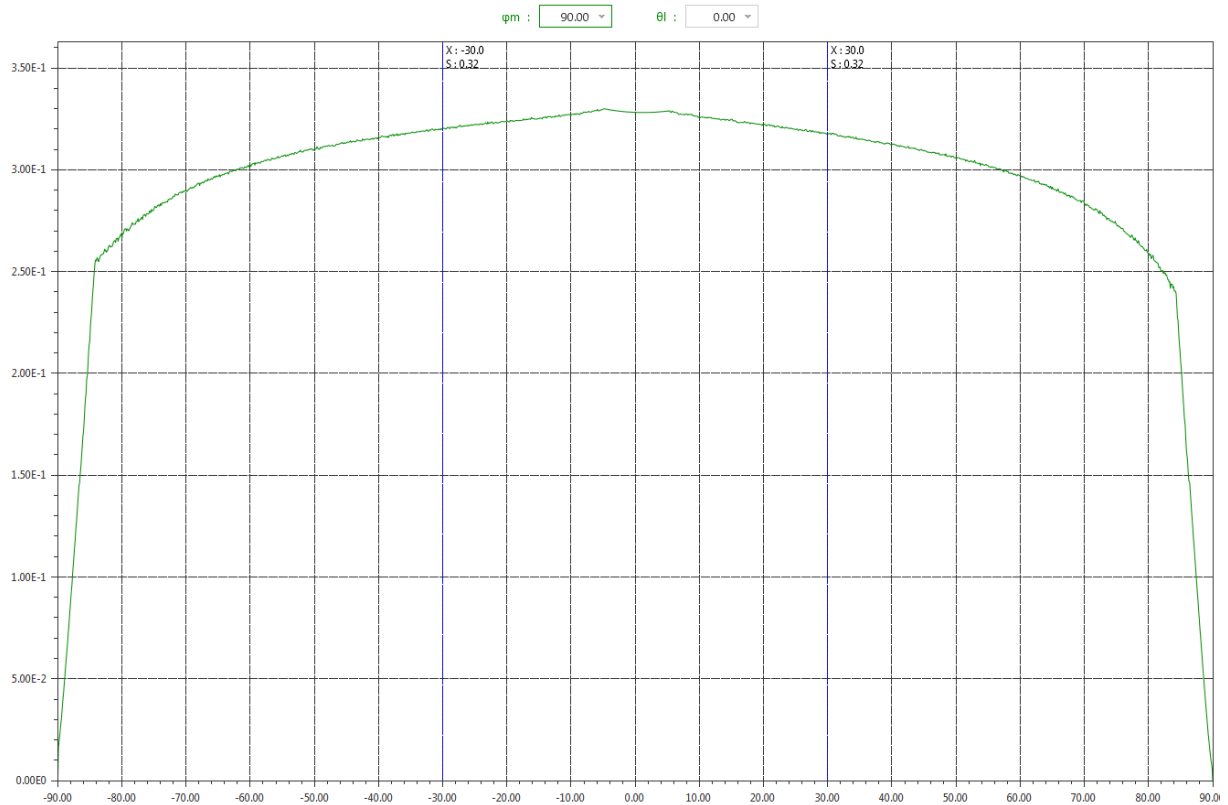
We are going to check the accuracy of the REFLET bench.

Measurement of the Spectralon: Lambertian intensity graphic





BRDF calculated: Lambertian BSDF graphic



We obtain a quasi-flat BRDF which corresponds to the fact that we have measured the calibration sample.