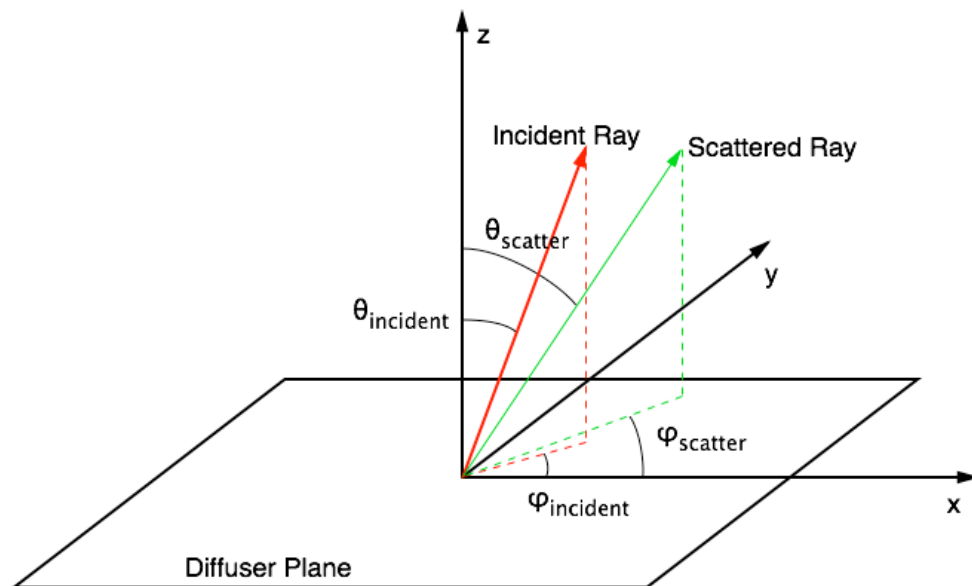




RPC Photonics, Inc. BSDF Data Format

The enclosed BSDF data files contain scatter data for various angles of incidence. The files are named with the diffuser type, incident polar angle and incident azimuth angle. For example, the file *EDC20 5-0.txt* contains data for the EDC20 diffuser with an incident angle of 5 degrees polar angle and 0 degrees azimuth angle. These are text files with the first two lines containing general information of the file name and the date the data was taken. The third line contains two numbers: the polar angle, θ_{incident} , and the azimuth angle, ϕ_{incident} , of the incident illumination. The remaining lines contain three numbers: the polar scatter angle, θ_{scatter} , the azimuth scatter angle, ϕ_{scatter} , and the BSDF value. The figure below shows the orientation of these angles.



Sample Data from an EDC20 data set:

```
!!EDC20 20-0      RPC Photonics      12/5/2013
!!BSDF Data
20.000      0.000
0.0000      0.0000      0.0326
0.0000      1.0000      0.0295
0.0000      2.0000      0.0234
0.0000      3.0000      0.0227
⋮
```

The BSDF data provided are from measurements of representative diffuser samples. Actual scatter distributions may vary from diffuser to diffuser.