

This CD includes the report of IEA SHCP TASK 21 / ECBCS ANNEX29 on the **“Measurement of Luminous Characteristics of Daylighting Materials”** in the data file **“REPORT.pdf”**.

The directory **“PerformanceData”** includes the directional data (luminous transmittance measurements as a function of light incidence) and bi-directional data (spatial distribution of the luminance coefficient for given light incidence) as well as the presentations of the sample measurements of some selected daylighting materials. The geometrical description and the data format are given in the report.

All the directional data are put to one directory **“PerformanceData/Directional”** containing the data files (text files) and one sub-directory **“Presentation”** which includes the presentation of the measurement results.

E.g. the filename **“tub_3m.txt”** contains the measurement results of the 3M-optical lighting film, that were done at TUB; and the filename **“tub_3m.jpg”** in sub-directory contains the presentation of the corresponding data.

Bi-directional measurements collect a huge amount of data. A lot of files are created during the specification of a single material. Therefore, one should be careful with choosing the filenames. All the information about a sample and the light incidence is already included in the file's header section but for convenience reasons, it is useful to put the filenames into a system. The filename contains four pieces of information: the institute carrying out the measurements, the material and the light incidence angles θ_1 and φ_1 .

All the data as well as the presentations of each sample measurement are included on this CD-ROM. All the files necessary to characterise a sample are put together in a directory, e.g. **“PerformanceData/Bi_directional/Plexiglas”** or **“PerformanceData/Bi_directional/SunDirectingGlass”**. For each light incidence there is one text file. The presentations of the measurement results are put to corresponding files in the sub-directory **“Presentation”**.

E.g. the filename **“tub_sdg_36_40.txt”** contains the measurement results of the sun directing glass, that were done at TUB. The light incidence was: $\theta_1 = 36^\circ$ and $\varphi_1 = 40^\circ$. The corresponding presentations (if necessary 3 presentations) of this data can be found in the files in the sub-directory:

“tub_sdg_36_40_1.jpg” : 3D-presentation

“tub_sdg_36_40_2.jpg” : Side view

“tub_sdg_36_40_3.jpg” : Top view