At 45°-55° latitude, during the 5 critical months between November and March, the sun shines most of the day at a 15°-25° angle with the horizon. SUNTUF® Plus refracts light at low angles of incidence, reduces reflection, and facilitates more light penetration into the greenhouse than any other material.

Angular light transmittance

The chart data is based on test reports from Wageningen UR horticulture optical lab.
Optimized corrugation allows longer daylight time and stronger light penetration.

**Light transmission in Corrugated Sheets vs. Flat Sheets:**

- Corrugated Sheet: High Light Transmission
- Flat Sheet: Low Light Transmission

**SUNTUF Plus UV resistance**

SUNTUF Plus maintains its high optical properties over time. A protective layer prevents UV related degradation of the material and makes SUNTUF Plus an ideal greenhouse cover.

**Weathering resistance of clear SUNTUF Plus 0.8 sheet**

- 100 hours of QUV machine are equivalent to 1 year exposure to UV radiation in areas of 160-180 kJ/s, such as the Mediterranean coast, Mexico & Central America, Central & south Africa, Australia & southeast Asia.

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**NOTE:**

- The test is being according to ASTM G-154, 313 nm lamps, 0.75 W/m²/nm-47 OC, 20 hours radiation + 4 hours condensation (dark).