**TABLE S2**. Daily solar radiation of typical sunny days in low light season of Shenyang (Meteorological Information Center, 2005). Direct solar radiation and/or global solar radiation are accumulated by corresponding hourly data during 9:00-16:00 on December 30th in typical meteorological year.

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Direct solar radiation (W m-2) | Global solar radiation (W m-2) | Direct solar radiation/Global solar radiation (%) |
| November 6th | 1883 | 2714 | 69 |
| December 30th | 1533 | 2084 | 74 |
| January 29th | 1903 | 2533 | 75 |
| February 26th | 2759 | 3953 | 70 |