

Three Types of Radiation

Direct Normal Radiation

Direct normal radiation, aka Beam radiation, is the amount of radiation that received by a surface which is normal to sun beam, and it is radiation only directly from sun.

Diffuse Radiation

Diffuse radiation is the amount of indirect radiation that comes from the entire environment and received by a horizontal surface per unit area in an hour period.

Global Horizontal Radiation

Global horizontal radiation is the amount of direct and indirect (diffuse) radiation that harvested on a horizontal surface.

Resources:

Climate consultant 6.0

http://rredc.nrel.gov/solar/glossary/gloss_d.html

<http://www.3tier.com/en/support/solar-prospecting-tools/what-direct-normal-irradiance-solar-prospecting/>