

SunScope Pro

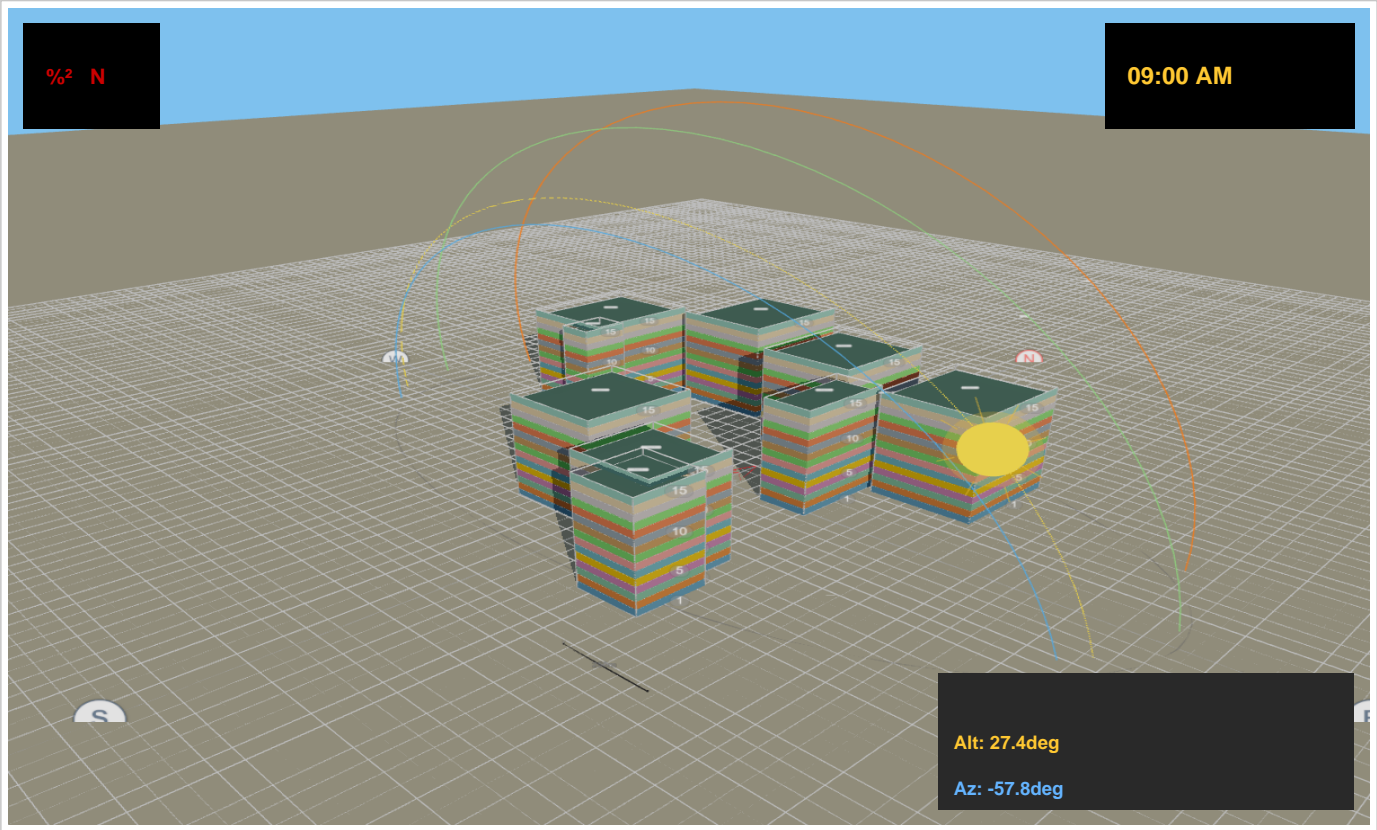
Sunlight & Comfort Analysis Report

Location: Hyderabad (17.3850, 78.4867)

Date: Wednesday, January 28, 2026

Generated: 1/28/2026, 7:28:26 PM

3D View with Shadows



Shadow visualization for Wednesday, January 28, 2026

SUMMARY

11.0

SUN HOURS

813

PEAK W/m²

48

COMFORT

MEDIUM

RISK LEVEL

Daily Sun Timeline



Key Metrics

Sunlight Timing

First Sun07:05 AM

Heat Impact

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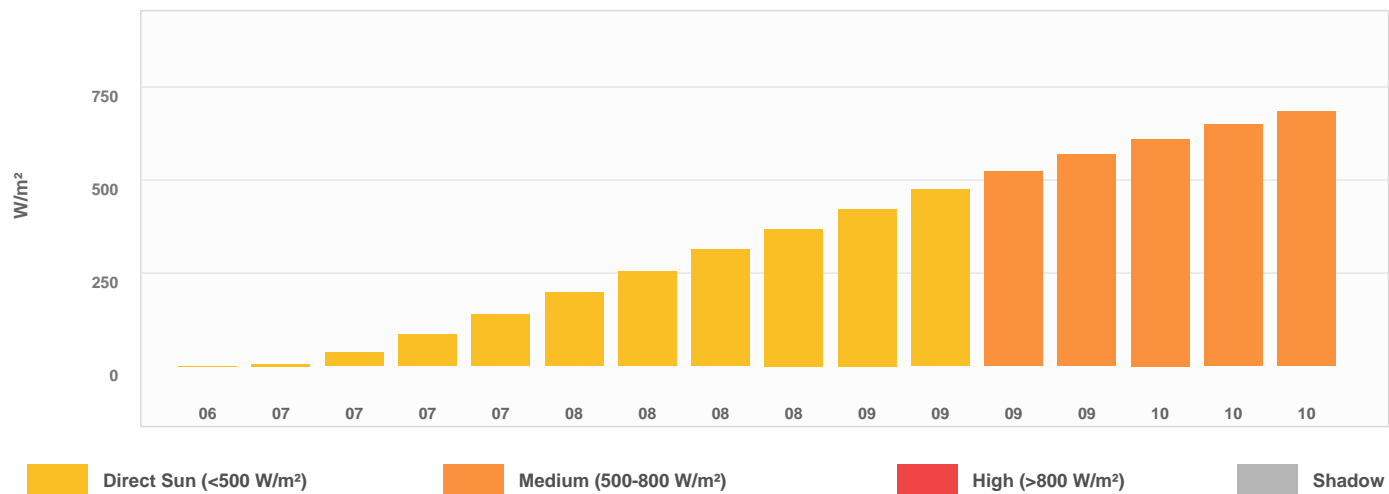
Peak Irradiance813 W/m²

Comfort Level

Daily Recommendations

- 1. Best natural light: 07:05 AM to 06:05 PM (11.0 hours total)
- 2. Morning ventilation: Open windows 07:05 AM - 11:35 AM before heat builds
- 3. Evening ventilation: Re-open windows after 02:35 PM when heat subsides
- 4. Peak heat at 12:35 PM (813 W/m²). Close blinds 11:35 AM - 02:35 PM
- 5. Morning sun 07:05 AM: Ideal for plants needing gentle light

Hourly Sun Exposure



Scenario Settings

Windows: closed Glazing: double Shading: none

Detailed Hourly Data

Hour	Sun Alt.	Sun Azim.	Irradiance	Shadow %	Status
6	-0.6°	-71.0°	0 W/m²	0%	Sun
7	2.7°	-69.8°	6 W/m²	0%	Sun
7	6.1°	-68.6°	37 W/m²	0%	Sun
7	9.4°	-67.3°	85 W/m²	0%	Sun
7	12.7°	-65.9°	139 W/m²	0%	Sun
8	15.9°	-64.4°	197 W/m²	0%	Sun
8	19.1°	-62.8°	255 W/m²	0%	Sun
8	22.3°	-61.0°	312 W/m²	0%	Sun
8	25.4°	-59.1°	368 W/m²	0%	Sun
9	28.4°	-57.0°	422 W/m²	0%	Sun
9	31.4°	-54.8°	474 W/m²	0%	Sun
9	34.3°	-52.3°	523 W/m²	0%	Sun
9	37.0°	-49.5°	568 W/m²	0%	Sun

Hour	Sun Alt.	Sun Azim.	Irradiance	Shadow %	Status
10	39.7°	-46.5°	611 W/m²	0%	Sun
10	42.2°	-43.2°	649 W/m²	0%	Sun
10	44.6°	-39.5°	684 W/m²	0%	Sun
10	46.8°	-35.5°	716 W/m²	0%	Sun
11	48.8°	-31.1°	743 W/m²	0%	Sun
11	50.5°	-26.3°	765 W/m²	0%	Sun
11	51.9°	-21.1°	784 W/m²	0%	Sun
11	53.0°	-15.5°	798 W/m²	0%	Sun
12	53.8°	-9.7°	808 W/m²	0%	Sun
12	54.3°	-3.7°	813 W/m²	0%	Sun
12	54.3°	2.4°	813 W/m²	0%	Sun
12	54.0°	8.5°	809 W/m²	0%	Sun
13	53.3°	14.3°	800 W/m²	0%	Sun
13	52.2°	20.0°	787 W/m²	0%	Sun
13	50.8°	25.2°	770 W/m²	0%	Sun
13	49.2°	30.1°	748 W/m²	0%	Sun
14	47.3°	34.6°	722 W/m²	0%	Sun
14	45.1°	38.8°	692 W/m²	0%	Sun
14	42.8°	42.5°	658 W/m²	0%	Sun
14	40.3°	45.9°	620 W/m²	0%	Sun
15	37.7°	49.0°	578 W/m²	0%	Sun
15	34.9°	51.8°	533 W/m²	0%	Sun
15	32.0°	54.3°	485 W/m²	0%	Sun
15	29.1°	56.6°	434 W/m²	0%	Sun
16	26.1°	58.8°	381 W/m²	0%	Sun
16	23.0°	60.7°	325 W/m²	0%	Sun
16	19.8°	62.5°	268 W/m²	0%	Sun
16	16.6°	64.2°	210 W/m²	0%	Sun
17	13.4°	65.7°	152 W/m²	0%	Sun
17	10.1°	67.1°	96 W/m²	0%	Sun
17	6.8°	68.4°	47 W/m²	0%	Sun
17	3.5°	69.7°	11 W/m²	0%	Sun
18	0.1°	70.8°	0 W/m²	0%	Sun

Disclaimer

These results are estimates based on clear-sky conditions and simplified assumptions. Actual sunlight exposure may vary due to weather, obstructions, and atmospheric conditions. For detailed engineering analysis, consult a qualified professional.