SunScope Pro

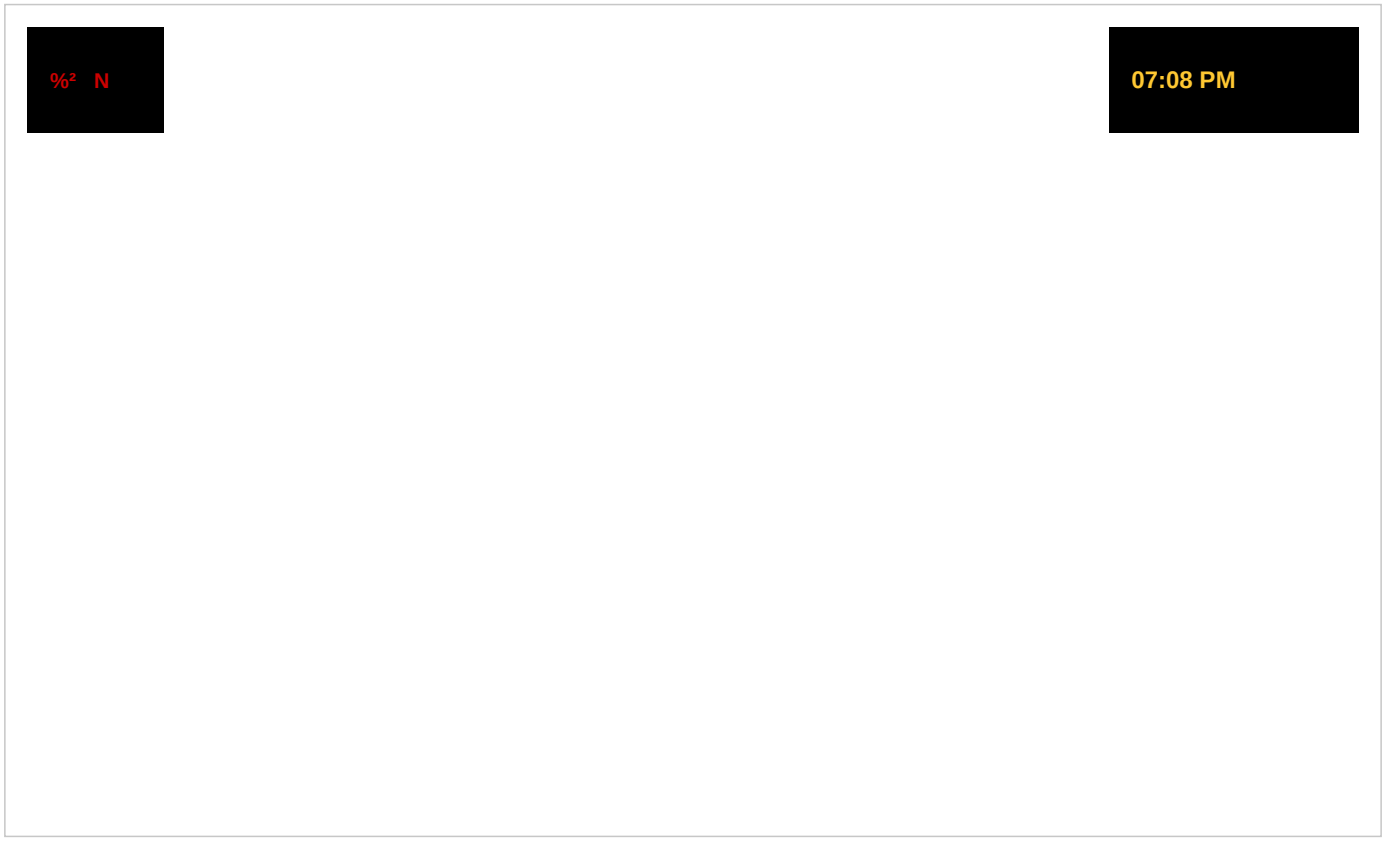
Sunlight & Comfort Analysis Report

Location: Hyderabad (17.3850, 78.4867)

Date: Friday, January 16, 2026

Generated: 1/16/2026, 7:19:20 PM

3D View with Shadows



Shadow visualization for Friday, January 16, 2026

Sun Position Shadow Buildings %² North

SUMMARY

11.0	780	53	MEDIUM
SUN HOURS	PEAK W/m²	COMFORT	RISK LEVEL

Daily Sun Timeline

Key Metrics

Sunlight Timing

First Sun	**07:05 AM**

Heat Impact

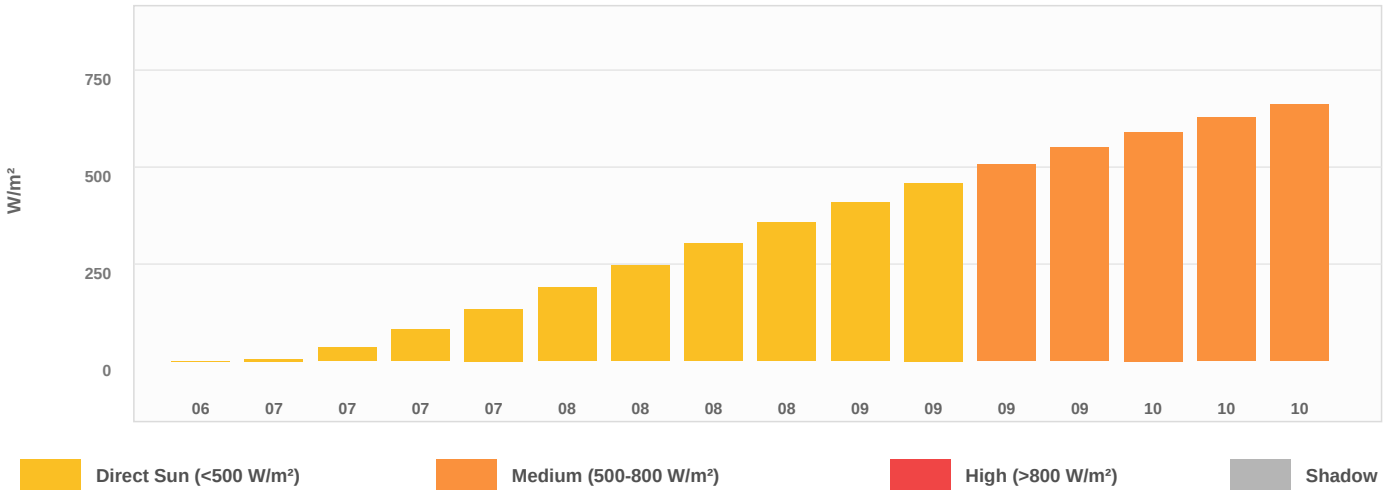
Peak Irradiance	**780 W/m²**

Comfort Level

Daily Recommendations

1. Best natural light: 07:05 AM to 05:50 PM (11.0 hours total)
2. Morning ventilation: Open windows 07:05 AM - 11:20 AM before heat builds
3. Evening ventilation: Re-open windows after 02:20 PM when heat subsides
4. Peak heat at 12:20 PM (780 W/m²). Close blinds 11:20 AM - 02:20 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	-0.7°	-68.1°	0 W/m²	0%	Sun
7	2.6°	-67.0°	5 W/m²	0%	Sun
7	5.9°	-65.7°	35 W/m²	0%	Sun
7	9.2°	-64.4°	81 W/m²	0%	Sun
7	12.4°	-63.0°	134 W/m²	0%	Sun
8	15.5°	-61.5°	190 W/m²	0%	Sun
8	18.7°	-59.8°	247 W/m²	0%	Sun
8	21.7°	-58.0°	302 W/m²	0%	Sun
8	24.7°	-56.1°	357 W/m²	0%	Sun
9	27.7°	-53.9°	409 W/m²	0%	Sun
9	30.5°	-51.6°	459 W/m²	0%	Sun
9	33.3°	-49.1°	506 W/m²	0%	Sun
9	35.9°	-46.3°	550 W/m²	0%	Sun

Hour	Sun Alt.	Sun Azim.	Irradiance	Shadow %	Status
10	38.4°	-43.2°	591 W/m²	0%	Sun
10	40.8°	-39.9°	628 W/m²	0%	Sun
10	43.0°	-36.3°	661 W/m²	0%	Sun
10	45.0°	-32.3°	691 W/m²	0%	Sun
11	46.8°	-28.0°	716 W/m²	0%	Sun
11	48.4°	-23.3°	738 W/m²	0%	Sun
11	49.7°	-18.3°	755 W/m²	0%	Sun
11	50.6°	-13.1°	768 W/m²	0%	Sun
12	51.3°	-7.6°	776 W/m²	0%	Sun
12	51.6°	-2.0°	780 W/m²	0%	Sun
12	51.5°	3.6°	779 W/m²	0%	Sun
12	51.1°	9.2°	774 W/m²	0%	Sun
13	50.4°	14.6°	764 W/m²	0%	Sun
13	49.4°	19.8°	751 W/m²	0%	Sun
13	48.0°	24.7°	732 W/m²	0%	Sun
13	46.4°	29.2°	710 W/m²	0%	Sun
14	44.5°	33.5°	683 W/m²	0%	Sun
14	42.4°	37.3°	653 W/m²	0%	Sun
14	40.2°	40.9°	618 W/m²	0%	Sun
14	37.8°	44.2°	580 W/m²	0%	Sun
15	35.2°	47.1°	538 W/m²	0%	Sun
15	32.5°	49.9°	493 W/m²	0%	Sun
15	29.8°	52.3°	446 W/m²	0%	Sun
15	26.9°	54.6°	395 W/m²	0%	Sun
16	23.9°	56.7°	342 W/m²	0%	Sun
16	20.9°	58.6°	287 W/m²	0%	Sun
16	17.8°	60.4°	231 W/m²	0%	Sun
16	14.7°	62.0°	175 W/m²	0%	Sun
17	11.5°	63.5°	120 W/m²	0%	Sun
17	8.3°	64.9°	68 W/m²	0%	Sun
17	5.0°	66.2°	25 W/m²	0%	Sun
17	1.7°	67.4°	2 W/m²	0%	Sun