

SunScope Pro

Sunlight & Comfort Analysis Report

Location: New York (40.7128, -74.0060)

Building: Tower 6

Generated: 1/10/2026, 8:26:29 PM

Date: Saturday, January 10, 2026

Floors: 4 (12m total)

3D View with Shadows

Shadow visualization for Saturday, January 10, 2026

Key Metrics

Sunlight Timing

First Sun	06:05 PM
Last Sun	03:05 AM
Total Hours	9.3 hrs
Direct Sun	9.3 hrs

Heat Impact

Peak Irradiance	403 W/m²
Peak Time	10:35 PM
Daily Total	2173 Wh/m²
Risk Level	LOW

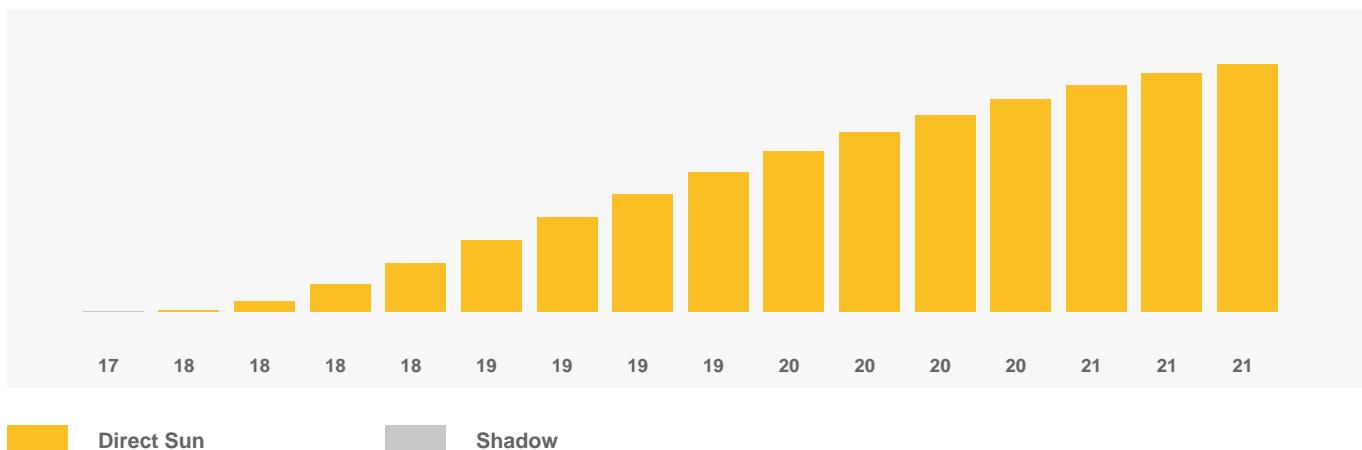
Comfort Level



Daily Recommendations

- 1. Best natural light: 06:05 PM to 03:05 AM (9.3 hours total)
- 2. Windows can remain open throughout the day (low heat risk)

Hourly Sun Exposure



Scenario Settings

Windows: open

Glazing: double

Shading: none

Detailed Hourly Data

Hour	Sun Alt.	Sun Azim.	Irradiance	Shadow %	Status
17	-0.7°	-61.1°	0 W/m²	10000%	Shadow
18	1.7°	-58.7°	2 W/m²	0%	Sun
18	4.1°	-56.1°	16 W/m²	0%	Sun
18	6.5°	-53.5°	42 W/m²	0%	Sun
18	8.7°	-50.9°	74 W/m²	0%	Sun
19	10.9°	-48.1°	109 W/m²	0%	Sun
19	12.9°	-45.2°	144 W/m²	0%	Sun
19	14.9°	-42.3°	179 W/m²	0%	Sun
19	16.8°	-39.2°	212 W/m²	0%	Sun
20	18.5°	-36.1°	244 W/m²	0%	Sun
20	20.1°	-32.8°	273 W/m²	0%	Sun
20	21.6°	-29.4°	300 W/m²	0%	Sun
20	22.9°	-26.0°	324 W/m²	0%	Sun
21	24.1°	-22.4°	345 W/m²	0%	Sun
21	25.1°	-18.7°	363 W/m²	0%	Sun
21	25.9°	-15.0°	377 W/m²	0%	Sun
21	26.5°	-11.2°	389 W/m²	0%	Sun
22	27.0°	-7.3°	397 W/m²	0%	Sun

Hour	Sun Alt.	Sun Azim.	Irradiance	Shadow %	Status
22	27.3°	-3.4°	402 W/m ²	0%	Sun
22	27.3°	0.5°	403 W/m ²	0%	Sun
22	27.2°	4.4°	401 W/m ²	0%	Sun
23	26.9°	8.3°	396 W/m ²	0%	Sun
23	26.4°	12.1°	387 W/m ²	0%	Sun
23	25.7°	15.9°	374 W/m ²	0%	Sun
23	24.8°	19.7°	359 W/m ²	0%	Sun
0	23.8°	23.3°	340 W/m ²	0%	Sun
0	22.6°	26.9°	318 W/m ²	0%	Sun
0	21.2°	30.3°	294 W/m ²	0%	Sun
0	19.7°	33.7°	266 W/m ²	0%	Sun
1	18.1°	36.9°	237 W/m ²	0%	Sun
1	16.3°	40.0°	205 W/m ²	0%	Sun
1	14.5°	43.1°	171 W/m ²	0%	Sun
1	12.5°	46.0°	136 W/m ²	0%	Sun
2	10.4°	48.8°	101 W/m ²	0%	Sun
2	8.2°	51.6°	66 W/m ²	0%	Sun
2	5.9°	54.2°	35 W/m ²	0%	Sun
2	3.6°	56.8°	11 W/m ²	0%	Sun
3	1.2°	59.3°	1 W/m ²	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.