

ASCEND LABS SHADOW ANALYSIS

Problem: Determining solar panel location when shading is a factor.



66 potential panel locations on this roof

Solution: High fidelity shadow surveys that determine which areas of the roof are less affected by shade. Yellow = sunny, black = heavily shaded.



Based on the shadow survey, a 5kW array should be located as shown.

Process: The shadow survey shown above is generated with this process developed by Ascend Labs.

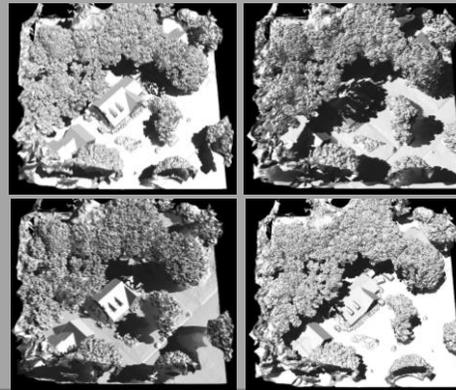
**DATA
COLLECTION**



**3D MODEL
GENERATION**



**SHADOW
SIMULATION**



**SHADOW
ANALYSIS**

