Publication Title: Design and Evaluation Strategies for Solar Cooling Integrated Façades: A case study in a Southern European office building

Introduction

The data are organized based on the following main phase followed in this case study:

- Phase A: Energy simulation using DesignBuilder (DB) software.
- Phase B: Solar Fraction (SF) Calculations
- Phase C: Life-Cycle Cost (LCC) and Levelized Cost of Cooling (LCOC) Calculations
- Phase D: Summarization of Scores

Phase	File belonging to each phase	File Format	Methods of data collection
A. Energy simulation using DesignBuilder (DB) software.	Files staring with (A.)	• DesignBuilder project file (.dsb) • Microsoft Edge HTML (.htm) Document • IDF File (.idf)	Dynamic Energy Simulation
B. Solar Fraction (SF) Calculations	Files staring with (B.)	• Microsoft Excel Worksheet (.xlsx)	Manual calculations
C. Life-Cycle Cost (LCC) and Levelized Cost of Cooling (LCOC) Calculations	Files staring with (C.)	• Microsoft Excel Worksheet (.xlsx)	Market Survey and manual calculations
D. Summarization of Scores	Files staring with (D.)	• Microsoft Excel Worksheet (.xlsx)	Manual calculations