Reviewer 2

I believe this version reflects the reviewers’ comments well, and the three final clusters are easier to interpret and apply.

Two minor comments are:

Figure 6 or 7: please consider adding legend of streetscape elements (e.g., sky view, greenery, building façade, etc.)

Response: Legend of six elements has been added into both figures.

It’s still difficult to understand how the ‘design score’ was computed. What did ANN exactly use as input data from the SegNet outcomes?

Response: The process of ANN algorithm has been explained in the revised manuscript (Line 335-345).

Relative area of each of the six spatial elements? Related to this, please expand this explanation further: “there was not a clear linear relationship between the perceived quality and these key spatial elements” (page 9).

Response: The reason “why there was no clear linear realationship” and “why a linear regression cannot address this complex and interacted relationship” has been added in the revised paper (line 324-334).

Exactly, what aspects of the spatial elements were related to the perceived quality scores?

Response: The six key elements related to the perceived quality scores were selected based on classical design theories from Jacobs [33] to Trancik [56] to Katz [57] and Montgomery [58], this part has been expanded In section 2.2 line 175-188.