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Towards a Comprehensive City Emission Function (CCEF)

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Highlights

- Analytical function for the light intensity emitted upwards from cities is developed
- The function is to model heterogeneous light-emitting or blocking urban environment
- The model depends on properties of light-emitting elements (buildings, luminaires)
- It is also validated for sensitivity and specificity pertinent to input parameters
- The method is fast and can be easily included in larger numerical models

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