

SYSTEM AND METHOD FOR ANALYZING STREET LIGHT PERFORMANCE ON A ROAD

ABSTRACT

System and method for analyzing street light performance on a road. The system comprising: (i) a sensor module configured to: measure light intensity at various times and output corresponding temporal light intensity data; determine a spatial location of the sensor module at the various times and output corresponding spatial location data; and generate messages comprising the temporal light intensity data and/or the spatial location data; and (ii) an analytics engine in communication with the sensor module, wherein the analytics engine is configured to: receive the messages from the sensor module; generate spatial light intensity data based on the temporal light intensity data and the spatial location data; retrieve, from a database having stored therein spatial locations and their corresponding road name, the road name corresponding to each spatial location associated with the spatial light intensity data; and generate an indication of street light performance of at least a portion of the road with the retrieved road name based on the spatial light intensity data.

Figure 1