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## Light Output Measurement of Solid State Lighting Technology

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## ABSTRACT:

Records from experiments performed with Solid State Lighting technology are presented and discussed. They were done to expand the local knowledge about light output depreciation from Inorganic Light Emitting Diodes technology. Data were collected at the Campus of the University of São Paulo for road lighting and for interior lighting at the Institute of Energy and Environment. An integrating photometer was developed locally, it was put into service to sample light sources with Edison base type and preliminary results from a longterm lifespan experiment on the depreciation of light output are presented. The integrating photometer assembled use the configuration called  $2\pi$ . It reduces the thermal and light output stabilization period, have the advantages at transportation to the test site and can avoid light distribution uniformity error.