American National Standard

for Roadway and Area Lighting Equipment—
Solar Lighting Systems

Secretariat:

National Electrical Manufacturers Association

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FOREWORD

At the time this standard was approved the ANSI C136 committee was composed of the following members:

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1 SCOPE

This standard defines the electrical and mechanical requirements of standalone solar-type light systems for use in roadway and area lighting equipment.

2 NORMATIVE REFERENCES

This standard incorporates by reference provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed below. For undated references, the latest edition of the publication referred to applies (including amendments).


ANSI C136.36B-2008 American National Standard for Roadway and Area Lighting Equipment—Concrete Lighting Poles

ANSI C136.36C-2010 American National Standard for Roadway and Area Lighting Equipment—Steel Roadway and Area Lighting Poles

ANSI C136.31-2010 American National Standard for Roadway and Area Lighting Equipment—Luminaire Vibration

ANSI C136.37 American National Standard for Roadway and Area Lighting Equipment—Solid State Light Sources Used in Roadway and Area Lighting

ANSI/NFPA 70 National Electrical Code®

ANSI/UL 1703 Flat-Plate Photovoltaic Modules and Panels

NEMA 250-2008 Enclosures for Electrical Equipment (1000 Volts Maximum)

UL 1741 Inverters, Converters, Controllers and Interconnection System Equipment for Use With Distributed Energy Resources

3 INFORMATIVE REFERENCES

This standard is intended to be used in conjunction with the following publications. The latest edition of the publication applies (including amendments).

ANSI C136.10-2010 American National Standard for Roadway and Area Lighting Equipment—Locking-Type Photocontrol Devices and Mating Receptacles—Physical and Electrical Interchangeability and Testing