



**ANSI C82.77-3-2020**

*American National Standard for Lighting Equipment—  
Electromagnetic Compatibility (EMC)  
Testing and Measurement Techniques—  
Radiated, Radio-Frequency Electromagnetic Field Immunity Test*

Secretariat:

**National Electrical Manufacturers Association**

Approved: January 10, 2020

**American National Standards Institute, Inc.**

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This is a new Standard and not a revision of a previous Standard.

Suggestions for improvement of this Standard are welcome. They should be submitted to:

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This Standard was developed and approved for submittal to ANSI by Accredited Standards Committee C82. Approval of this Standard is not meant to imply that all Accredited Standards Committee Members voted to approve it.

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## **1. Introduction**

The American National Standards ASC C82 adopts IEC 61000-4-3, ed3.2 (2010-04) as a Nationally Acknowledged International Standard with deviations given in clauses 2 and 3 below.

*IEC Guide 115 - Application of uncertainty of measurement to conformity assessment activities in the electrotechnical sector*

*The International Standard JCGM 100 Evaluation of Measurement Data – Guide to the expression of uncertainty in measurement.*

The uncertainty budget shall include the instrument resolution, the instrument calibration uncertainty, and the measurement repeatability. These elements are considered sufficient to be in compliance with the applicable ANSI lighting ballast and driver Standards.

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