Skip to main content Skip to primary navigation	
Menu	
 <u>Home Home</u> <u>About this portal</u> <u>Latest updates</u> 	
Print Save Email	<u>u</u>
Citations	

AS/NZS 3827.1:1998 Lighting system performance - Accuracies and tolerances - Part 1: Overview and general recommendations

 Table of Contents

 View on Information Provider website
 {{ linkText }}

 Abbreviation
 AS/NZS 3827.1:1998

 Valid from
 04/10/1998

 Information provider
 Standards New Zealand

 Author
 Standards New Zealand, Standards Australia

 Information type
 New Zealand Standard

 Format
 PDF

Cited By <u>This resource is cited by 1 document (show Citations)</u>

Description

This Standard identifies the factors that influence variability in lighting performance and gives recommendations on how such variability may be contained within tolerable limits in the specification, calculation and measurement of interior and exterior lighting systems. It applies particularly where quantitative values of lighting parameters are specified, but does not cover qualitative or aesthetic attributes of lighting systems except where these involve specific lighting performance parameters.

The Standard sets out typical accuracies that might be expected for various elements of the calculation/measurement process, as well as the range of accuracies that can be expected for the overall design. These can be taken to apply unless otherwise specified, e.g. in a Standard covering the application, or by the client.

For assistance with locating previous versions, please contact the information provider.

 Table of Contents
 View on Information Provider website
 {{ linkText }}

For assistance with locating previous versions, please contact the information provider.

This resource is cited by:

AS/NZS 3827.1:1998 Lighting system performance - Accuracies and tolerances - Part 1: Overview and general recommendations

This document is CITED BY:

• <u>AS/NZS 1680.1:2006</u>

AS/NZS 3827.1:1998 is cited by AS/NZS 1680.1:2006 Interior and workplace lighting - Part 1: General principles and recommendations

Back

AS/NZS 3827.1:1998 Lighting system performance - Accuracies and tolerances - Part 1: Overview and general recommendations

Show what documents this resource is CITED BY Show what documents this resource CITES

Description

This Standard identifies the factors that influence variability in lighting performance and gives recommendations on how such variability may be contained within tolerable limits in the specification, calculation and measurement of interior and exterior lighting systems. It applies particularly where quantitative values of lighting parameters are specified, but does not cover qualitative or aesthetic attributes of lighting systems except where these involve specific lighting performance parameters.

The Standard sets out typical accuracies that might be expected for various elements of the calculation/measurement process, as well as the range of accuracies that can be expected for the overall design. These can be taken to apply unless otherwise specified, e.g. in a Standard covering the application, or by the client.

View on Information Provider website

AS/NZS 3827.1:1998 Lighting system performance - Accuracies and tolerances - Part 1: Overview and general recommendations

Description

This Standard identifies the factors that influence variability in lighting performance and gives recommendations on how such variability may be contained within tolerable limits in the specification, calculation and measurement of interior and exterior lighting systems. It applies particularly where quantitative values of lighting parameters are specified, but does not cover qualitative or aesthetic attributes of lighting systems except where these involve specific lighting performance parameters.

The Standard sets out typical accuracies that might be expected for various elements of the calculation/measurement process, as well as the range of accuracies that can be expected for the overall design. These can be taken to apply unless otherwise specified, e.g. in a Standard covering the application, or by the client.

View on Information Provider website

This resource does not cite any other resources.

AS/NZS 3827.1:1998 Lighting system performance - Accuracies and tolerances - Part 1: Overview and general recommendations

This resource does not CITE any other resources.

Back	
Close	

Table of Contents

Section 1 Scope And General

- 1.1 Scope
- **1.2 Application**
- **1.3 Referenced Documents**
- 1.4 Definitions
- Section 2 Uncertainty In Lighting Design And Measurement
- 2.1 Uncertainty In Design
- 2.2 Accuracy
- 2.3 Tolerances
- 2.4 Centrality Of The Designer
- 2.5 Standards And Light Technical Parameters
- 2.6 Compliance
- 2.7 Rounding Of Calculation Results And Light Measurements
- 2.8 The Format Of The Standard
- **Section 3 Input Information**
- 3.1 General
- 3.2 Equipment
- 3.3 Design And Installation Data
- Section 4 Design Methods And Sensitivities
- 4.1 Introduction
- 4.2 Potential Variations
- 4.3 Parameters Affected
- 4.4 Relationship Between Calculated And Measured Values
- 4.5 Responsibility And Assessment Of Performance Variations
- **Section 5 Design Documentation**

- **5.1 Introduction**
- 5.2 Design Calculations
- **5.3 Installation Documentation**
- 5.4 Information For The Client
- 5.5 Statement Of Design Effects
- 5.6 Deviations From The Design Expectations
- **Section 6 Installation**
- 6.1 Introduction
- 6.2 Lighting System Components
- 6.3 Physical Coordination
- 6.4 Environmental And Site Conditions
- **Section 7 Verification**
- 7.1 General
- 7.2 Verification Based On Physical Assessment
- 7.3 Verification Based On Lighting Measurements
- 7.4 Deviations From Design Expectations
- 7.5 Compliance With Design
- Section 8 Lighting System Management
- 8.1 Introduction
- 8.2 Maintenance Manuals And Records
- 8.3 Measurement Of Illuminance
- 8.4 Lamp Replacement Programs
- 8.5 Variable Output Lighting Control Systems
- **Section 9 Expected Accuracies**
- 9.1 Introduction

- 9.2 Assessment Of Accuracy
- 9.3 Expected Accuracies Of Elements Of Calculation
- 9.4 Expected Total Uncertainty In Calculation
- 9.5 Expected Accuracy In Measurement

Appendix A - Bibliography

Appendix B - Methods Of Calculating Uncertainties And Comparing Measured And Calculated Values

Appendix C - Guide To Information That The Client Might Need To Provide As An Input To Lighting Design

Appendix D - Estimation Of Total Uncertainty In Lighting Calculators

