



Australian Government

UEEEL0063 Provide photometric data for illumination system design

Release: 1

UEEEL0063 Provide photometric data for illumination system design

Modification History

Release 1. This is the first release of this unit of competency in the UEE Electrotechnology Training Package.

Application

This unit involves the skills and knowledge required to provide photometric data for illumination system design.

It includes preparing and providing photometric data, and documenting justification of the data.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Not applicable

Competency Field

Electrical

Unit Sector

Electrotechnology

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1 Prepare to provide photometric data

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1** Work health and safety (WHS)/occupational health and safety (OHS) requirements and workplace procedures for a given work area are identified, obtained and applied
- 1.2** Illumination parameters of the design are obtained from a design brief, job specification and/or consultations

		with the client
	1.3	Illumination parameters for particular situations and tasks are obtained and applied in accordance with relevant industry standards
	1.4	Lighting manufacturer specification for products are obtained and reviewed
2	Provide photometric data	
	2.1	WHS/OHS risk control work measures and workplace procedures are followed
	2.2	Photometric data is calculated for applications and variety of appropriate lighting products
	2.3	Data illumination is in accordance with relevant industry standards
	2.4	Data is documented in accordance with workplace procedures
	2.5	Photometric data documentation is forwarded to appropriate person/s in accordance with workplace procedures

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

Range is restricted to essential operating conditions and any other variables essential to the work environment.

Non-essential conditions may be found in the UEE Electrotechnology Training Package Companion Volume Implementation Guide.

Providing photometric data must include at least the following:

- determination of lighting levels for specific situations
- interpretation of manufacturer photometric data
- determination of lighting level transitions where safety is a consideration
- calculations using the inverse square law
- measurement of lighting levels using a light (lux) meter

- presentation of a simple photometric report
- present a report (lighting levels) on an existing installation

Unit Mapping Information

This unit replaces and is equivalent to UEENEEG184A Provide photometric data for illumination system design.

Links

Companion Volume implementation guides are found in VETNet - -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b8a8f136-5421-4ce1-92e0-2b50341431b6>