

**Perform Air International Inc.**  
**Administrative System Manual**  
**Procedure III.27: Ambient Light Test Procedure**

Revision	Revision Date	Revision Change
N/I	12/01/2014	Initial Release/Re-Release
1	11/30/2017	Revision to 3.1 for title
2	06/30/2019	Revision to 3.0 for responsibility, 4.0 & 5.1.1.1 for Lumen definition and 6.1 to change the ambient light test form number.
3	10/31/2021	Revision to 3.1, 3.3
4	07/07/2023	Revision to 6.1
5	05/22/2025	Revision to 5.1.1

**1.0 Purpose:**

To ensure appropriate lighting in work stations in order to achieve conformity to product requirements.

**2.0 Scope:**

All facility work stations where maintenance or inspection on components is performed.

**3.0 Responsibility:**

- 3.1** The maintenance of this procedure is the responsibility of the Training Manager.
- 3.2** Qualified personnel are responsible for conducting the Ambient Light Test and communicating to the appropriate personnel any deficiencies.
- 3.3** The Training Manager, or designee, is responsible for resolving any lighting deficiencies as discovered during the Ambient Light Test.

**4.0 Definitions:**

- 4.1 Ambient Light:** The light surrounding the area of work being performed on a component.
- 4.2 Lumen:** The measure of the total amount of visible light in the defined work space; one lumen per square foot equals one foot candle.

**5.0 Procedure:**

- 5.1** Lighting is sufficient for employees to perform maintenance and inspection at all work stations. The ambient lighting is tested annually by qualified personnel utilizing calibrated tooling.
  - 5.1.1** Ambient light is measured using a light meter. *The level of lumens will be tested and recorded on the Ambient Light Test form (Form 66.03).*
    - 5.1.1.1** If testing results in less than 46 lumens immediate action will be taken to resolve lighting deficiencies.
    - 5.1.1.2** If additional illumination is required, portable lighting devices may be used.

**6.0 Records:**

- 6.1** Ambient Light Test (Form 66.03)