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SAE J591 MAY89

Spot Lamps

SAE Standard
Revised May 1989

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Submitted for recognition as an American National Standard

SPOT LAMPS

1. SCOPE:

This SAE Standard provides test procedures and performance requirements for spot lamps.

2. DEFINITIONS:

2.1 Spot Lamps: Lamps which provide a substantially parallel beam of light and are capable of being aimed as desired by the user.

3. LIGHTING IDENTIFICATION CODE:

Spot lights for vehicles may be identified with "0" in accordance with SAE J759 DEC87, Lighting Identification Code.

4. TESTS:

4.1 SAE J575: The following test procedures in SAE J575 DEC88, Tests for Motor Vehicle Lighting Devices and Components, are part of this standard, with modifications as indicated:

4.1.1 Vibration Test:

4.1.2 Moisture Test:

4.1.3 Dust Test: (The dust test shall not be required for sealed units).

4.1.4 Corrosion Test:

4.2 Color Test: SAE J578, Color Specification is a part of this standard.

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5. REQUIREMENTS:

5.1 Performance Requirements: A device, when tested in accordance with the test procedures specified in section 4, shall meet the following requirements indicated in SAE J575:

5.1.1 Vibration:

5.1.2 Moisture:

5.1.3 Dust:

5.1.4 Corrosion:

5.2 Color: The color of the emitted light shall be white as defined in SAE J578.

5.3 Beam Pattern: The spot lamp beam pattern shall be well defined and generally round or oval in shape.

6. APPENDIX:

As a matter of additional information, attention is called to SAE J567 NOV87, Lamp Bulb Retention System, for requirements and gages used in socket design.

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RATIONALE:

This technical standard was rewritten using the suggested format for SAE Lighting Committee Standards or Recommended Practices (based on 6.1 of SAE J1159). Editorial revisions have been made for clarification. The following sections have been removed:

Section B - Samples for Test
Section C - Lamp Bulbs

These sections were removed to be consistent with newly revised standards.

RELATIONSHIP OF SAE STANDARD TO ISO STANDARD:

Not applicable.

REFERENCE SECTION:

SAE J567 NOV87, Lamp Bulb Retention System
SAE J575 DEC88, Tests for Motor Vehicle Lighting Devices and Components
SAE J578 MAY88, Color Specification
SAE J759 DEC87, Lighting Identification Code

APPLICATION:

This SAE Standard provides test procedures and performance requirements for spot lamps.

COMMITTEE COMPOSITION:

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