



SURFACE VEHICLE RECOMMENDED PRACTICE	J1373™	OCT2015
	Issued 1982-06 Revised 2010-09 Stabilized 2015-10	
Superseding J1373 SEP2010		
Rear Cornering Lamps for Use on Motor Vehicles Less than 9.1 m in Overall Length		

RATIONALE

This is a mature standard and not likely to change in the foreseeable future.

STABILIZED NOTICE

This document has been declared "Stabilized" by the SAE Signaling and Marking Devices Standards Committee and will no longer be subjected to periodic reviews for currency. Users are responsible for verifying references and continued suitability of technical requirements. Newer technology may exist.

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1. SCOPE

This SAE Recommended Practice provides test procedures, requirements, and guidelines for rear cornering lamps for use on vehicles less than 9.1 m in overall length.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

SAE J567	Lamp Source Retention System
SAE J575	Test Methods and Equipment for Lighting Devices for Use on Vehicles Less than 2032 mm in Overall Width
SAE J576	Plastic Material or Materials for Use in Optical Parts Such as Lenses and Reflex Reflectors of Motor Vehicle Lighting Devices
SAE J578	Color Specification
SAE J759	Lighting Identification Code

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3. DEFINITIONS

3.1 REAR CORNERING LAMPS

Supplemental lamps used to provide illumination to an area to the side and rearward of the vehicle when it is backing up.

3.2 INCIDENTAL LIGHT

Light emitted from a lamp that is projected from other than the intended light emitting surface. Incidental light is typically a color other than that of the intended lighting function.

4. LIGHTING IDENTIFICATION CODE

Rear cornering lamps may be identified by the code K2 in accordance with SAE J759.

5. TESTS

5.1 SAE J575 is a part of this document. The following tests are applicable with the modifications as indicated:

5.1.1 Vibration Test

5.1.2 Moisture Test

5.1.3 Dust Exposure Test

5.1.4 Corrosion Test

5.1.5 Photometry Test

In addition to the test procedure in SAE J575, the following shall apply:

5.1.5.1 Photometric measurements shall be made with the light source of the lamp at least 3 m from the photometer. The H-V axis shall be taken as the horizontal line through the light source and perpendicular to the longitudinal axis of the vehicle.

5.1.6 Warpage Test on Devices with Plastic Components

5.2 Color Test

SAE J578 is part of this document.

5.3 Plastic Optical Materials Test

SAE J576 is part of this document.

6. REQUIREMENTS

6.1 A device, when tested in accordance with the test procedures specified in Section 5, shall be designed to conform to the following requirements per SAE J575 unless otherwise noted.

6.1.1 Vibration

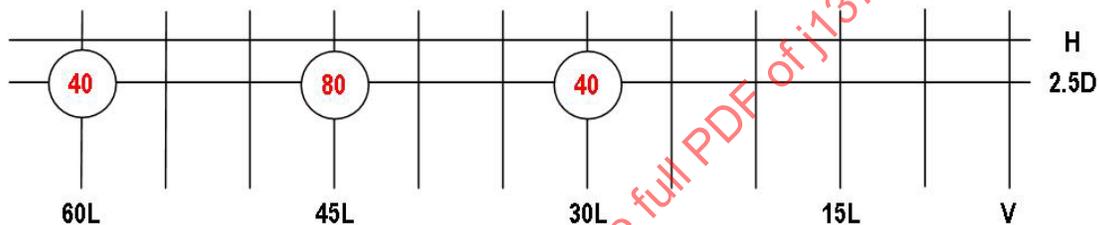
6.1.2 Moisture

6.1.3 Dust Exposure

6.1.4 Corrosion

6.1.5 Photometry

6.1.5.1 The lamp under test shall meet the performance requirements contained in Figure 1. Test points shown are for a lamp mounted on the left side of the vehicle. Right-hand angles should be substituted for left-hand angles for a lamp mounted on the right side of the vehicle.



1. The maximum luminous intensity is 500 cd at horizontal and above within the photometric pattern shown.
2. Test points shown are for a lamp mounted on the left side of the vehicle. Right-hand angles should be substituted for left-hand angles for a lamp mounted on the right side of the vehicle.

FIGURE 1 - PHOTOMETRIC REQUIREMENTS
Minimum Luminous Intensity (CD)

6.1.5.2 If the lamp has portions of its lens which project nonwhite light, that light shall be excluded from measurements made to determine compliance with 6.1.5.1. The lamp shall meet the photometric requirements of this document with white light alone.

6.1.6 Warpage

Per SAE J575 (for devices with plastic components).

6.2 Color

The color of the light from a rear cornering lamp shall be white as specified in SAE J578. The lamp may project incidental red, yellow, or white light through reflectors or lenses that are adjacent, close to, or a part of the lamp assembly. If a lamp has portions of its lens which project nonwhite light, that light shall be regarded as incidental if, when only the nonwhite light is measured at each test point specified in Figure 1, the sum of such measurements does not exceed 20% of the sum of the test point measurements of the total light output (white plus nonwhite).