

Issued	1941-01
Cancelled	2005-07

Superseding J582 MAR1995

Auxiliary Low Beam Lamps

1. Scope—This SAE Recommended Practice provides general design and performance requirements, test procedures, and installation guidelines for auxiliary low beam lamps.

1.1 Rationale—SAE J582 – Auxiliary Low Beam has been in existence since sometime in the 1940s. The current version was published in March 1995. Soon after the document was released, a task force was formed to address the photometry requirement issues raised by the March 1995 version of the standard. After over two years of discussions in the task force meetings, although a new draft was proposed in 1999, no consensus and agreement were reached in the task force. The major arguments and disagreements are the following:

1. As a lamp to supplement low beam, should it provide more down-the-road light or more foreground light?
2. The photometric table is inconsistent with existing low beam headlamp requirements in the glare light and signage light zones in terms of testing points, lines and zones.
3. Although there was a general agreement that the auxiliary lamp should not add any more light in the glare light and signage light zones, further restriction of the maximum candela values in those zones may not be achievable without sacrificing its potential benefit in the down-the-road illumination area.

Since these lamps have been very low usage over long period of time, there have been no approved evidences that these products provide any safety benefit to the drivers or pedestrians. Other the other hand, these lamps very often are handled or mounted like fog lamps with limited mounting and aim control, the possibility for misaim is great. This may contribute to glare which would result in more customer complaints.

At the current time, SAE has formed a task force to study overall visibility improvement. One of the objectives of this task force is to identify further illumination needed for detecting pedestrians. Further more, if such illumination can be feasibly provided by any auxiliary devices supplement to the low beams, a new photometry table and corresponding requirements will be established.

For these reasons, the SAE Lighting Standards Committee is recommending remove the existing SAE J582 from the standard list.

2. References

2.1 Applicable Publications—The following publications form a part of this specification to the extent specified herein. The latest issue of SAE publications shall apply.

SAE Technical Standards Board Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be reaffirmed, revised, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2005 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER:

Tel: 877-606-7323 (inside USA and Canada)
 Tel: 724-776-4970 (outside USA)
 Fax: 724-776-0790
 Email: custsvc@sae.org
<http://www.sae.org>

SAE WEB ADDRESS:

2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J575—Test Methods and Equipment for Lighting Devices and Components for Use on Vehicles Less than 2032 mm in Overall Width

SAE 576—Plastic Materials for Use in Optical Parts Such as Lenses and Reflectors of Motor Vehicle Lighting Devices

SAE J578—Color Specification

SAE J602—Headlamp Aiming Device for Mechanically Aimable Sealed Beam Headlamp Units

SAE J759—Lighting Inspection Code

SAE J1383—Sealed Beam Headlamps for Motor Vehicles

3. Definitions

3.1 **Auxiliary Low Beam Lamps**—A lamp which supplements the lower beam of a standard headlamp system.

4. **Lighting Tests Identification Code**—Auxiliary low beam lamps may be identified by the code "Z," in accordance with SAE J759.

5. Tests

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

5.1.1 VIBRATION TEST

5.1.2 MOISTURE TEST

5.1.3 DUST TEST

5.1.4 CORROSION

5.1.5 PHOTOMETRY TESTS

5.1.5.1 Photometric tests shall be made with the photometer at a distance of at least 18.3 m (60 ft) from the headlamp. The lamp shall be aimed mechanically by centering the lamp on the photometer axis with the aiming plane on the lens normal to the photometer axis.

5.1.5.2 A lamp designed not to be aimed mechanically shall be centered on the photometer axis with the beam aimed downward so that 1000 cd is directed at some point on the horizontal between 6.0 degrees left and 6.0 degrees right.

5.1.6 WARPAGE TEST FOR DEVICES WITH PLASTIC COMPONENTS

5.1.7 COLOR TEST—SAE J578 is a part of this document.

6. Requirements

6.1 **Performance Requirements**—A lamp, when tested in accordance with the test procedure specified in Section 5, shall meet the following requirements.

6.1.1 VIBRATION—SAE J575

6.1.2 MOISTURE—SAE J575

6.1.3 DUST—SAE J575