



SURFACE VEHICLE RECOMMENDED PRACTICE

J2999™

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Superseding J2999 MAR2013

Determination of the Effective Projected Luminous Lens Area (EPLLA)
by Design Analysis

RATIONALE

Scope Removed reference to SAE J3333 since that SAE Recommended Practice was cancelled prior to publication.

4.3 Updated section to clearly state that overlapping elements cannot be counted twice.

Figure 1 Removed unnecessary example.

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1. SCOPE

This SAE Standard provides a method for determining the Effective Projected Luminous Lens Area (EPLLA) of a lamp function using design analysis. This standard was created to clarify and address how to determine EPLLA with traditional and new technologies.

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 International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J387	Terminology - Motor Vehicle Lighting
SAE J586	Stop Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width
SAE J588	Turn Signal Lamps for Use on Motor Vehicles Less than 2032 mm in Overall Width
SAE J1432	Rear High Mounted Stop Lamps and Rear High Mounted Turn Signal Lamps for Use on Vehicles 2032 mm or More in Overall Width
SAE J1957	Center High Mounted Stop Lamp Standard for Vehicles Less than 2032 mm Overall Width
SAE J2039	Side Turn Signal Lamps for Long Vehicles
SAE J2087	Daytime Running Light
SAE J2261	Stop Lamps and Front- and Rear-Turn Signal Lamps for Use on Motor Vehicles 2032 mm or More in Overall Width

2.1.2 Federal Publications

Available from the Superintendent of Documents, U. S. Government Printing Office, Mail Stop: SSOP, Washington, DC 20402-9320 or at www.nhtsa.dot.gov.

Federal Motor Vehicle Safety Standard 49CFR 571.108

2.1.3 Transport Canada Publications

Available from Transport Canada, Roads Safety and Motor Vehicle Regulation, Ottawa, Ontario K1A 0N5, Canada, www.tc.gc.ca:

Canada Motor Vehicle Safety Act and Regulations - Section 108 (CMVSS 108)

Technical Standard Document No. 108