

SAE / DOT Photometric Test Report

Test Name SAE J581 (Auxiliary Upper Beam)

Test Date:	17/01/2025	Tested By:	G. Robinson
LAMP TESTED	Triple-R 750	Test Result:	PASS
Special Aiming Requirement:		To comply with the regulation limits, and when installed on a vehicle, the lamp should be aimed so that the point of peak intensity is aimed at 1.5 degrees above the horizon. (Or when using a digital protractor, the front lens angle should be at 1.5 degree pointing up, from the vertical plane. This is to ensure	
			nt 4D on DOT FMVSS108.

Aims/Goals of Test:

- To verify that the tested lamps comply with the optical requirements of SAE J581 and DOT FMVSS108 (Upper Beam Headlamp).
- Secondary To confirm if there is any special aiming which is required in order to meet the photometric requirements of J581.

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6.1.6 Photometry

The lamp under test shall meet the photometric requirements contained in Figure 2.

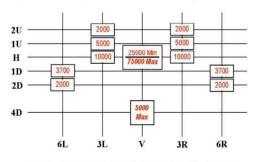


FIGURE 2 - PHOTOMETRIC REQUIREMENTS
Minimum Luminous Intensity (cd)

RESULTS

Detailed results are shown on page 2 and beyond. Only page 1 is uploaded to our website, in order to protect our Intellectual Property interests.

values are shown in Italics/Bold.

A tolerance of ± 1/4 degree in location may be allowed at any test point.

Locations HV0 & 4D/V are too bright when mounted horizontally. Lamp is needing a 1.5° incline mounting orientation to meet SAE regulation.

Sample 1: (horizontal mount)