



## Photometric Test Report

Report No.: 110113-1 Date: 01/13/11

Part #: 216-4400-1

Part Name: Red Bullet Light Side Marker

No. of samples tested: 1 sample

Testing Date: 01/13/11

Testing Performed By: Rebecca Moore

### Test Summary:

Specification	Test	Result
SAE J592e July 1972	Red Side Marker	Pass

Photometric test times based on SAE J1889 June 1999.

Approval Signature: David Anderson Date: 1/13/11

Title: Director of Engineering

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### Part Description:

General: Red side marker bullet lamp using a red LED and a red lens.

Size: Diameter: 0.99", Depth: 0.72"  
Grommet overall diameter: 1.4"  
Lens Markings: "DOT P2", "08 ILC"  
Wiring: White with red stripe– GND  
Brown – Side marker function

### Test Equipment Certifications:

#### Sensor:

Calibration Date: 15-Jun-10  
Calibrated By: International Light Technologies  
Certificate No.: 006150211  
Detector: SED033 #8785  
Input Optic: W #12320  
Filter: Y #29380

#### Radiometer:

Calibration Date: 15-Jun-10  
Calibrated By: International Light Technologies  
Certificate No.: 1006150905E  
Instrument Model – S/N: ILT1700 #5135

#### Multimeter:

Calibration Date: August 14, 2010  
Calibrated By: Extech Instruments Corporation  
Certificate No.: 41736 (Doc No. 30754)  
Instrument Model – S/N: EX470 #Z203579

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**Test Data:**

Date: 1/13/2011  
 Part Number: 216-4400-1  
 Part Description: Red LED, Red Lens, Side Marker  
 Tested by: RM  
 Engineering:  Production:



	-45			0			45
20							
15							
10	0.25 1.357			0.25 3.3			0.25 0.903
5							
0	0.25 1.632			0.25 4.44			0.25 1.059
-5							
-10	0.25 1.354			0.25 3.01			0.25 0.977
-15							
-20							

Passes Red Side Marker FMVSS 108 Min Spec

	Time	Red
Cold Candelas		1225
Warm Candelas		5.54
Testing VDC		4.44
Amperage ADC		12.8
		0.054

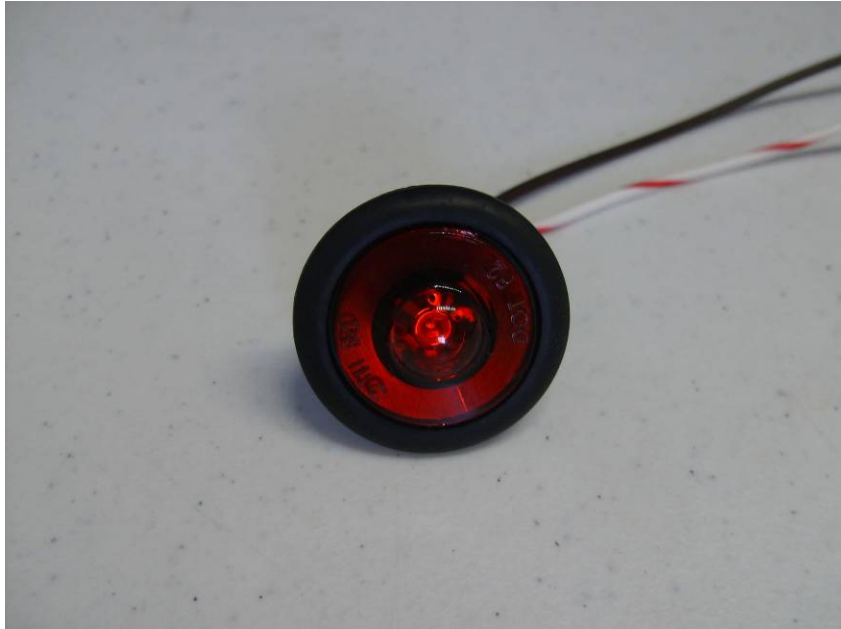
Distance (inches):	147.00
Calibration Factor:	1.74594E-10
LED Manufacturer:	
LED Part Number:	
LED Color:	Red
LED Bin:	
Circuit Board Manf.:	
Reason for Test:	
Additional Notes:	
	<b>Used Extech EX320 to verify voltage and current</b>

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### Photographs:

220-4400-1:



### Markings:

