



## DELINEATORS MGS-94-04C

**1.0 DESCRIPTION.** This specification covers 3 1/4 inch diameter center mount delineators.

### **2.0 MATERIALS.**

#### **2.1 Reflectors.**

**2.1.1** The reflector shall consist of a hermetically sealed acrylic plastic prismatic reflex reflector. the acrylic plastic back will not be required if the lens is permanently and durably sealed against dust, water and water vapor in a manner approved by the department.

**2.1.2** The complete reflector unit shall be provided with a reinforced center hole of sufficient size to accommodate 3/16 inch bolts or 3/16 inch Huckbolt fasteners (0.193 inch minimum hole diameter).

**2.2 Color.** The color shall be as specified in the unit bid request.

#### **2.3 Coefficient of Luminous Intensity.**

**2.3.1** The coefficient of luminous intensity of each reflex reflector shall comply with the minimum values shown in Table 1 of this specification.

**2.3.2** Failure to meet the minimum coefficient of luminous intensity shall constitute failure of the reflector being tested and failure of more than two reflectors of the 50 subjected to test shall be cause for rejection of the lot.

**2.4 Seal Test.** Failure of more than 2 reflectors out of the 50 tested shall be cause for rejection.

**2.5 Heat Resistance Test.** The samples after exposure to heat shall show no significant change in shape and general appearance when compared with unexposed control standards. No failures will be permitted.

**2.6 Marking.** The manufacturer's trade mark or identification may be molded in the face.

### **3.0 ORDERING INFORMATION.**

**3.1** The quantity and color of delineators is to be as shown in the order.

### **4.0 CERTIFICATION.**

**4.1** Prior to approval and use of any delineators delivered, the manufacturer shall furnish with the shipment, at destination, a certification certifying that the delineators furnished fully comply with the requirements of these specifications.

### **5.0 ACCEPTANCE.**

**5.1** Acceptance will be based on acceptable certifications and results of tests performed on the samples taken by the department at destination.

**6.0 REJECTION.**

**6.1** If tests performed by the department indicate non-compliance with the requirements of this specification, the entire shipment will be rejected.

**TABLE 1**

Observation Angle <u>Degrees</u>	Entrance Angle <u>Degrees</u>	Minimum Coefficient of Luminous Intensity (Candelas per Foot Candle)		
		<u>Crystal(White)</u>	<u>Amber</u>	<u>Red</u>
1/10	0	115	70	30
1/10	20	45	25	12
1/3	0	50	30	12
1/3	20	20	12	5