

Requirements for Sealed Lighting Unit for Construction and Industrial Machines

1. **Scope**—This SAE Standard applies to 145 mm nominal headlamp and floodlamp units.
- 1.1 **Purpose**—To define the dimensional requirements for sealed lighting units and assure their interchangeability.
2. **References**—There are no referenced publications specified herein.
3. **Requirements**—See Table 1 and Figure 1.

TABLE 1—DIMENSIONS FOR SEALED LIGHTING UNIT

| Letter | mm | Letter | mm |
|--------|-------------|--------|-------------|
| A | 144.78 | N | 3.04 |
| | +0 -2.54 | | +0.25 -0 |
| B | 138.17 | P | 7.72 |
| | +0 -1.01 | | +0.40 -0 |
| C | 130.04 | Q | 0.88 |
| D | 133.73 | R | 3.68 |
| | +0 -0.76 | | +0.76 -0 |
| E | 1.52 | S | 126.52 |
| F | 66.04 | T | 13.46 |
| | | | ±1.01 |
| G | 11.17 | U | 23.36 |
| | +0 -0.63 | | |
| H | 17.01 | V | 1.98 |
| | +0.88 -0 | | +1.57 -0 |
| J | 0.88 | W | 6.35 |
| K | 0.76 | X | 8.76 |
| | +0.05 | | +1.52 -0 |
| L | 0.76 | | |
| M | 13.58 | | |
| | +0 -1.77 | | |

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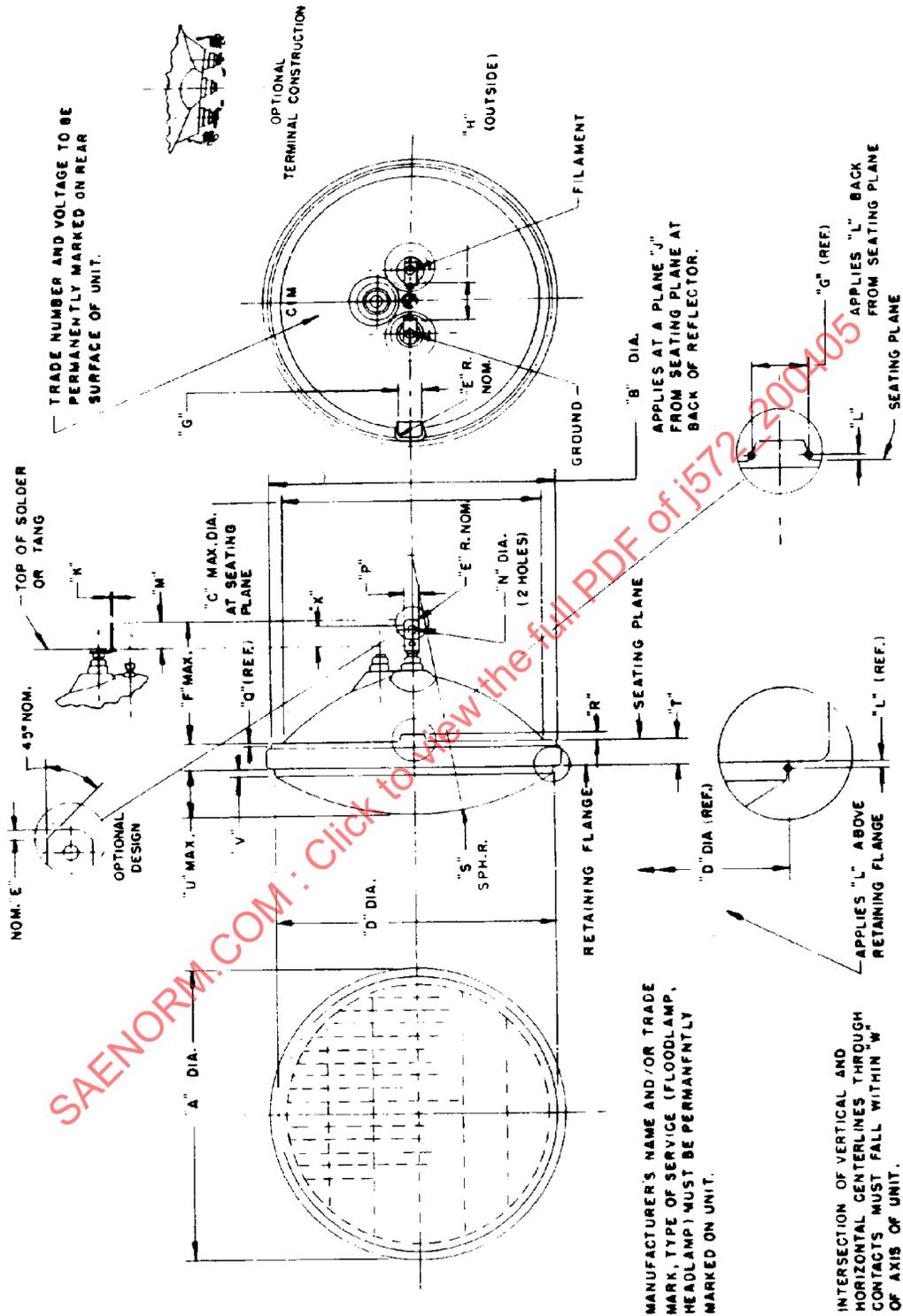


FIGURE 1—REQUIREMENTS

PREPARED BY THE SAE OPERATOR PROTECTION TECHNICAL COMMITTEE SC3—
LIGHTING AND MARKING