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Report No.:
5654/228988/AP016
Date:
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The Managing Director
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1998 -11- 18

SECONDARY LIGHTS FOR MOTOR VEHICLES

1. SUBJECT

The testing of secondary lights against the requirements of specification SABS 1376:3-1985, 'Lights for motor vehicles' Part 3 'Secondary Lights'. (Inspector's Receipt No. 50624.)

2. DESCRIPTION OF SAMPLE

TL8

The sample consisted of the following:

One two-section combi light and one semi-sealed amber light marked 'C & J' by the manufacturer.

3. SELECTION OF SAMPLE

The sample was selected by an inspector at SABS.

4. METHOD OF TESTS

The tests were conducted in accordance with the requirements of SABS 1376-3:1985.

5. RESULTS

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5. RESULTS OF TEST

TABLE 1 - SECONDARY LIGHTS

| DESCRIPTION OF REQUIREMENT | RESULTS | REQUIREMENT |
|---|---------------------|-------------|
| General Construction | Complied | Clause 3.1 |
| Lamps | Not applicable | Clause 3.2 |
| Grouped, Combined and Incorporated Lights | Complied | Clause 3.3 |
| End-Outline Marker Lights | Not applicable | Clause 3.4 |
| Colour | Not tested | Clause 3.5 |
| Chromaticity Co-ordinates | Not applicable | Clause 3.6 |
| Initial Power (Sealed Lights) | Not applicable | Clause 3.7 |
| Life (Sealed Lights) | Not applicable | Clause 3.8 |
| Photometric Properties | Complied Tables 2-8 | Clause 3.9 |
| Marking | Complied | Clause 4 |

TABLE 2 - LUMINOUS INTENSITIES, cd
 TWO-SECTION COMBI STOP LIGHT

| VERTICAL ANGLE, DEGREES | HORIZONTAL ANGLE, DEGREES | | | | | | |
|-------------------------|---------------------------|-----|----|----|-------|-----|-----|
| | LEFT | | | 0° | RIGHT | | |
| | 20° | 10° | 5° | | 5° | 10° | 20° |
| TOP 10° | | | 40 | | 51 | | |
| 5° | 43 | 60 | | 91 | | 43 | 28 |
| 0° | | 70 | 79 | 74 | 64 | 43 | |
| 5° | 43 | 66 | | 59 | | 43 | 29 |
| 10° BOTTOM | | | 34 | | 35 | | |

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TABLE 3.....

This report relates only to the samples tested and is issued subject to the conditions printed on the back of Page 1. It does not imply approval by the South African Bureau of Standards of the quality and/or performance of the commodity that has been tested. It does not authorize the use of the Standardization Mark.

Hierdie verslag is van toepassing slegs op die getoetste monsters en word uitgereik behoudens die voorwaardes op die Kaersy van bladsy 1 gedruk. Dit beteken nie dat die Suid-Afrikaanse Buro vir Standaarde die kwaliteit en/of werkverrigting van die getoetste artikel goedkeur nie. Dit verleen ook nie die reg om die Standaardmerk te gebruik nie.

**TABLE 3 - LUMINOUS INTENSITIES, cd
TWO-SECTION COMBI POSITION LIGHT**

| VERTICAL ANGLE, DEGREES | HORIZONTAL ANGLE, DEGREES | | | | | | |
|-------------------------------|---------------------------|-----|----|----|-------|-----|-----|
| | LEFT | | | 0° | RIGHT | | |
| | 20° | 10° | 5° | | 5° | 10° | 20° |
| TOP 10° | | | 8 | | 6 | | |
| 5° | 5 | 11 | | 9 | | 4 | 3 |
| 0° | | 5 | 5 | 5 | 5 | 4 | |
| 5° | 4 | 4 | | 4 | | 3 | 2 |
| 10° BOTTOM | | | 2 | | 2 | | |

**TABLE 4 - LUMINOUS INTENSITIES, cd
TWO-SECTION COMBI INDICATOR LIGHT**

| VERTICAL ANGLE, DEGREES | HORIZONTAL ANGLE, DEGREES | | | | | | |
|-------------------------------|---------------------------|-----|-----|-----|-------|-----|-----|
| | LEFT | | | 0° | RIGHT | | |
| | 20° | 10° | 5° | | 5° | 10° | 20° |
| TOP 10° | | | 57 | | 68 | | |
| 5° | 68 | 100 | | 89 | | 83 | 66 |
| 0° | | 155 | 130 | 115 | 140 | 113 | |
| 5° | 81 | 119 | | 143 | | 113 | 62 |
| 10° BOTTOM | | | 96 | | 106 | | |

/TABLE 5

**TABLE 5 - LUMINOUS INTENSITIES, cd
SEMI-SEALED INDICATOR LIGHT**

| VERTICAL ANGLE, DEGREES | HORIZONTAL ANGLE, DEGREES | | | | | | |
|-------------------------------|---------------------------|-----|----|----|-------|-----|-----|
| | LEFT | | | 0° | RIGHT | | |
| | 20° | 10° | 5° | | 5° | 10° | 20° |
| TOP 10° | | | 64 | | 62 | | |
| 5° | 58 | 65 | | 68 | | 63 | 55 |
| 0° | | 69 | 74 | 79 | 74 | 67 | |
| 5° | 59 | 70 | | 77 | | 65 | 55 |
| 10° BOTTOM | | | 65 | | 67 | | |

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6. CONCLUSION

The secondary lights complied with the photometric requirements of SABS 1376-3:1985.



MS Mathibedi
TECHNOLOGIST



L Rieckert
SECTION HEAD
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