

TEST REPORT**SABS****TL2D**

C&J SERVICES
 Attention: Mr S de La Porte
 PO Box 17278
 Congella
 4013

Your ref.: 1256
 Our ref.: YE328C
 Enquiries: KD Dhimmar
 Tel.: 428-6220
 Report No.: 7232/YE328C
 Date: 16 March 2005
 Page: 1 of 3

SECONDARY LIGHTS FOR MOTOR VEHICLES**1. SUBJECT**

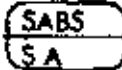
The testing of a rear stop /position light against the requirements of specification SABS 1376-2002, 'Lights for motor vehicles', Part 3 'Secondary lights' as referenced to in VC 8050.

2. DESCRIPTION OF SAMPLE

The sample consisted of a rear stop /position light for operation with a P21/5W lamp. The light consisted of a silver plastic housing which was dome shaped and approximately 108 mm in diameter and 55 mm deep. The inner part of the housing had an aluminized reflector fitted to it. A round red lens was permanently fixed to the front of the housing. The light assembly had a black rubber seal around it. A removable lamp socket was provided for connection to the supply.

The lens was marked: " TOP
 VS-L06

Truck-Lamp *



1376-3
 R-S1

DOT SAE I 03 YELLOW
 DOT SAE IST 03 RED "

A sticker was fitted to the back of the housing marked as follows:
 " SUGGESTED BULB SIZE P21/5W "

(See also page 3 for photograph)

3. SELECTION OF SAMPLE

The sample was selected by the test sponsor.

SANAS Accredited Testing Laboratory No. T0085

Testing and Conformity Services (Pty) Ltd - An affiliate of the SABS

Report No.7232/YE328C

Page 2 of 3

4. METHOD OF TEST

The tests were conducted in accordance with the methods described in Section 5 of SABS 1376-Part 3. For the purpose of the photometric test the light assembly was fitted with a P21/5W reference lamp.

5. RESULTS OF TEST

5.1 The results of the tests are given in Table 1.

TABLE 1 — SECONDARY LIGHTS

DESCRIPTION OF ITEM	RESULTS	REFERENCE
General construction	Complied	Clause 3.1
Lamps	Complied	Clause 3.2
Grouped, combined and incorporated lights	Complied	Clause 3.3
Colour	Complied	Clause 3.5
Chromaticity co-ordinates	Complied See attached diagram	Clause 3.6
Life (sealed lights)	Not applicable	Clause 3.8
Photometric properties	Complied See Annex A-B	Clause 3.9
Marking	Complied	Clause 4

6. CONCLUSION

The rear stop/position light complied with the requirements of specification SABS 1376-2002, 'Lights for motor vehicles', Part 3 'Secondary lights' as referenced to in VC B050, for the clauses for which it was tested.



Tested by: KD Dhimmar
TEST OFFICER
LIGHTING TECHNOLOGY



Checked by: T. Fourie
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY

This test was performed by Testing and Conformity Services (Pty) Ltd, an affiliate of the SABS.

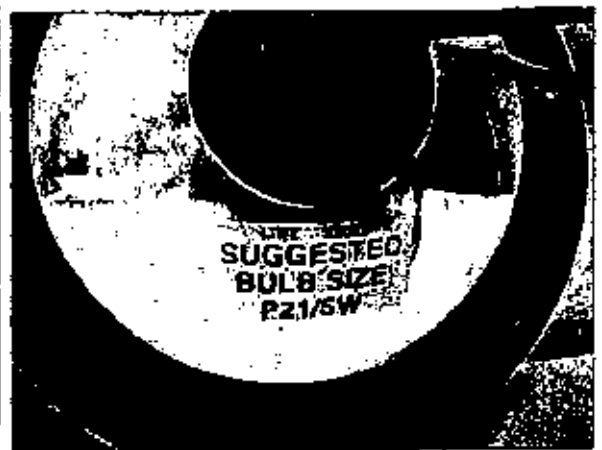
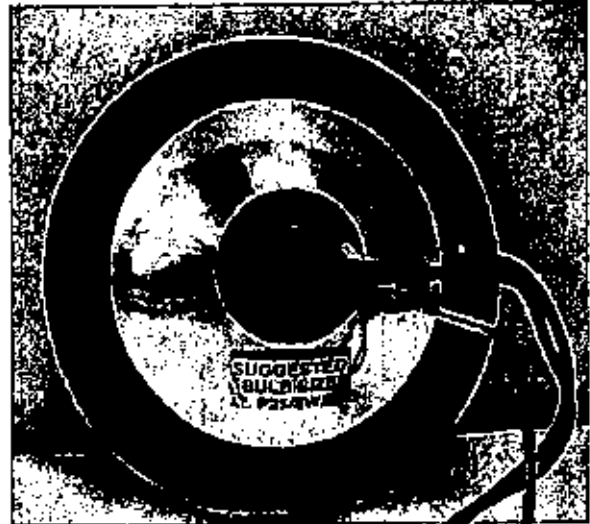
This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested. (Refer also to the complete conditions printed on the back of official test reports.)

Testing and Conformity Services (Pty) Ltd - An affiliate of the SABS

Report No.7232/YE328C

Page 3 of 3

PHOTOGRAPH OF THE SAMPLE



This test was performed by Testing and Conformity Services (Pty) Ltd, an affiliate of the SABS. This report relates only to the specific sample(s) tested as identified herein. It does not imply SABS approval of the quality and/or performance of the item(s) in question and the test results do not apply to any similar item that has not been tested.

SABS

Photometric Test Report
 SABS 1378-3
 REAR POSITION LIGHT (VC 8050)

Date 16. Mar 2005
 Time 12:10:34
 Department Lighting Technology
 Name KALPESH
 Page 1

Project: C&J SERVICES
 YE328C
 19/42
 RED DELUXE TL2D

Channel 3.162m

	H	V	MIN	MAX	SAMPLE
10U/5L	5.00	10.00	0.64		6.70 cd
10U/5R	-5.00	10.00	0.64		6.37 cd
5U/20L	20.00	5.00	0.32		2.91 cd
5U/10L	10.00	5.00	0.64		4.80 cd
5U/V	0.00	5.00	2.24		7.33 cd
5U/10R	-10.00	5.00	0.64		4.04 cd
5U/20R	-20.00	5.00	0.32		2.44 cd
10LV	10.00	0.00	1.12		4.49 cd
5LV	5.00	0.00	2.88		5.56 cd
H/V	0.00	0.00	3.20	12.00	6.05 cd
5RV	-5.00	0.00	2.88		6.30 cd
10RV	-10.00	0.00	1.12		3.96 cd
20L/5D	20.00	-5.00	0.32		1.80 cd
10L/5D	10.00	-5.00	0.64		3.43 cd
H/5D	0.00	-5.00	2.24		4.53 cd
10R/5D	-10.00	-5.00	0.64		3.22 cd
20R/5D	-20.00	-5.00	0.32		1.78 cd
5L/10D	5.00	-10.00	0.64		3.12 cd
5R/10D	-5.00	-10.00	0.64		3.04 cd
H/V	0.00	0.00			6.02 cd
80R/15U	-80.00	15.00	0.05		0.48 cd
80R/15D	-80.00	-15.00	0.05		0.09 cd
80L/15U	80.00	15.00	0.05		0.09 cd
80L/15D	80.00	-15.00	0.05		0.07 cd
45L/15U	45.00	15.00	0.05		0.63 cd
45L/15D	45.00	-15.00	0.05		0.57 cd
45R/15D	-45.00	-15.00	0.05		0.45 cd
45R/15U	-45.00	15.00	0.05		0.63 cd

Test passed

SABS

Photometric Test Report
 SABS 1376-3
 REAR STOP LIGHT Cat S1 and S2

Date 16. Mar 2005
 Time 12:17:16
 Department Lighting Technology
 Name KALPESH
 Page 1

Project: C&J SERVICES
 YE328C
 19/42
 RED DELUXE TL2D

Channel 3,162m

	H	V	MIN	MAX	SAMPLE
10U/5L	5.00	10.00	9.80		61.80 cd
10U/5R	-5.00	10.00	9.80		89.80 cd
5U/20L	20.00	5.00	4.80		12.19 cd
5U/10L	10.00	5.00	9.80		48.80 cd
5U/V	0.00	5.00	33.80		88.00 cd
5U/10R	-10.00	5.00	9.80		80.50 cd
5U/20R	-20.00	5.00	4.80		30.80 cd
10LV	10.00	0.00	18.80		42.90 cd
5LV	5.00	0.00	43.20		60.40 cd
HV	0.00	0.00	48.00	180.00	84.70 cd
5RV	-5.00	0.00	43.20		80.50 cd
10RV	-10.00	0.00	18.80		56.80 cd
20U/5D	20.00	-5.00	4.80		10.02 cd
10L/5D	10.00	-5.00	9.80		32.30 cd
HV5D	0.00	-5.00	33.80		58.00 cd
10R/5D	-10.00	-5.00	9.80		43.70 cd
20R/5D	-20.00	-5.00	4.80		18.35 cd
5L/10D	5.00	-10.00	9.80		33.90 cd
5R/10D	-5.00	-10.00	9.80		39.00 cd
HV	0.00	0.00	48.00		83.60 cd
45L/15U	45.00	15.00	0.30		12.81 cd
45L/15D	45.00	-15.00	0.30		10.94 cd
45R/15D	-45.00	-15.00	0.30		6.53 cd
45R/15U	-45.00	15.00	0.30		4.71 cd
HV	0.00	0.00			82.60 cd

Test passed

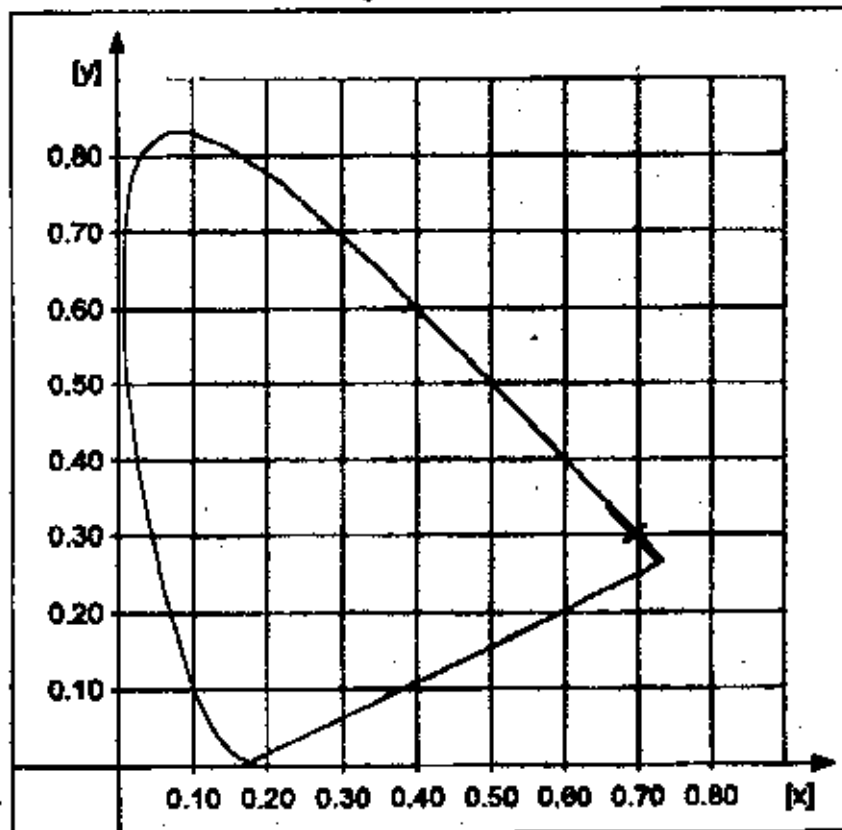
SABS

Photometric Test Report
 SABS 1376-3
 SABS 1376-3 RED

Date 16. Mar 2005
 Time 12:11:58
 Department LIGHTING TECHNOLOGY
 Name KALPESH
 Page 1

Project: C&J SERVICES
 YE328C
 RED DELUXE TL2D
 POSITION

colour region SABS 1376-3 RED



Channel colour standard

	H	V	colour x	colour y	illuminance
first angle	0.00	0.00	0.693	0.303	0.801
second angle	0.00	0.00	0.698	0.301	0.788
third angle	0.00	0.00	0.698	0.302	0.791

Test passed

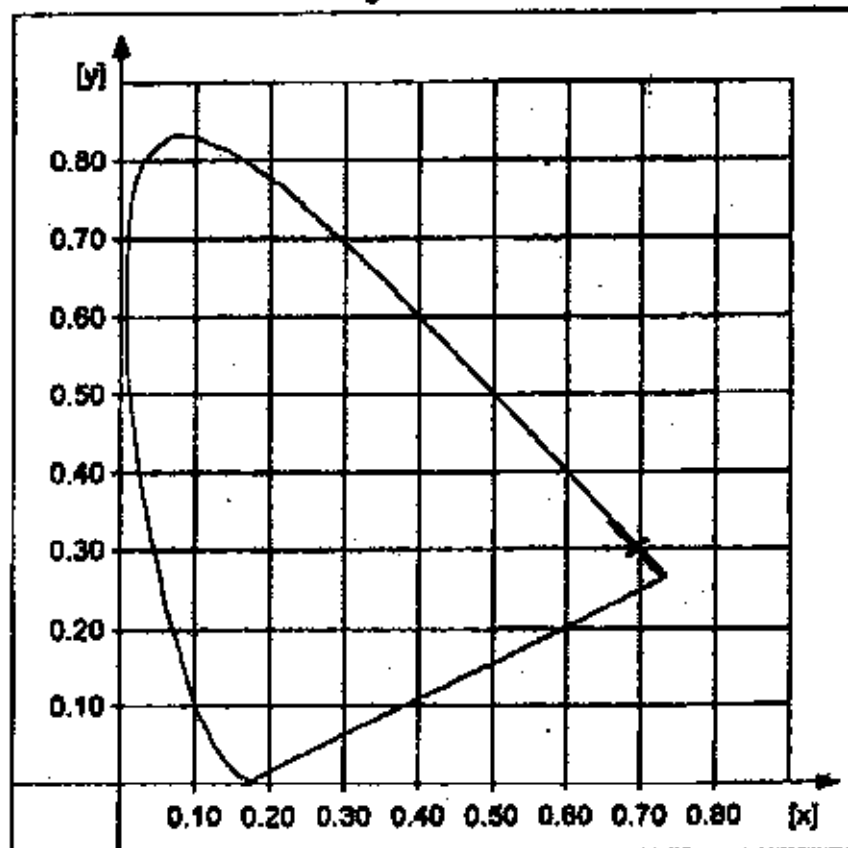
SABS

Photometric Test Report
 SABS 1376-3
 SABS 1376-3 RED

Date 16. Mar 2005
 Time 12:11:56
 Department LIGHTING TECHNOLOGY
 Name KALPESH
 Page 1

Project : C&J SERVICES
 YE328C
 RED DELUXE TL2D
 POSITION

colour region SABS 1376-3 RED



Channel color standard

	H	V	colour x	colour y	illuminance
first angle	0.00	0.00	0.693	0.303	0.801
second angle	0.00	0.00	0.698	0.301	0.788
third angle	0.00	0.00	0.696	0.302	0.791

Test passed

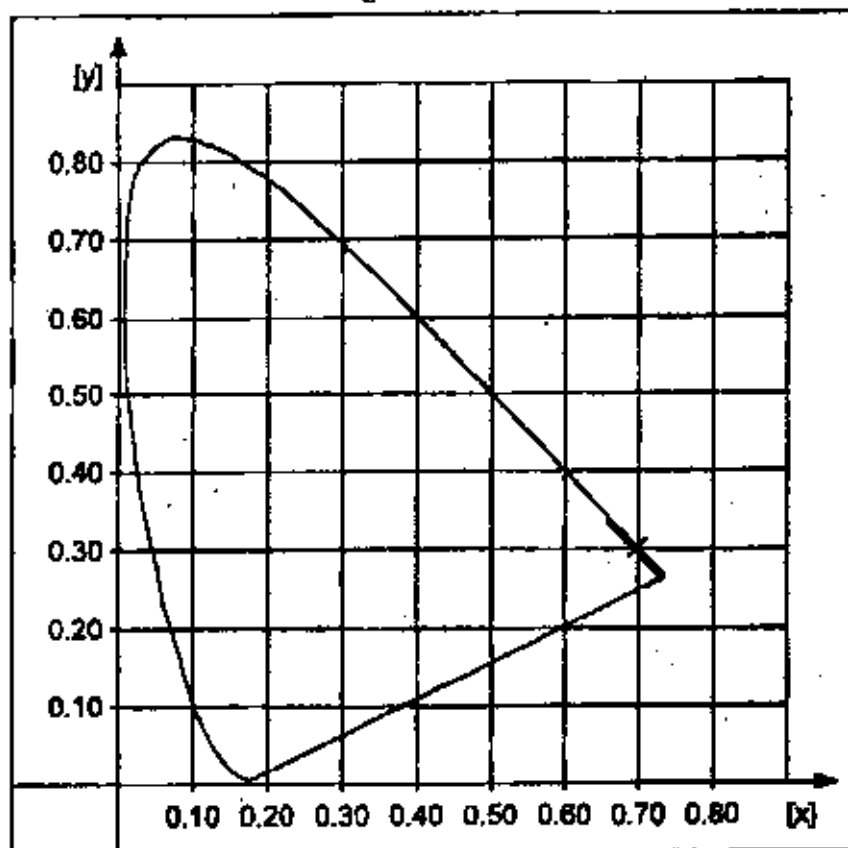
SABS

Photometric Test Report
 SABS 1376-3
 SABS 1376-3 RED

Date 16. Mar 2005
 Time 12:47:57
 Department LIGHTING TECHNOLOGY
 Name KALPESH
 Page 1

Project: C&J SERVICES
 YE328C
 RED DELUXE TL2D
 STOP

colour region SABS 1376-3 RED



Channel color standard

	H	V	colour x	colour y	illuminance
first angle	0.00	0.00	0.698	0.302	10.660
second angle	0.00	0.00	0.698	0.302	10.650
third angle	0.00	0.00	0.698	0.302	10.630

Test passed

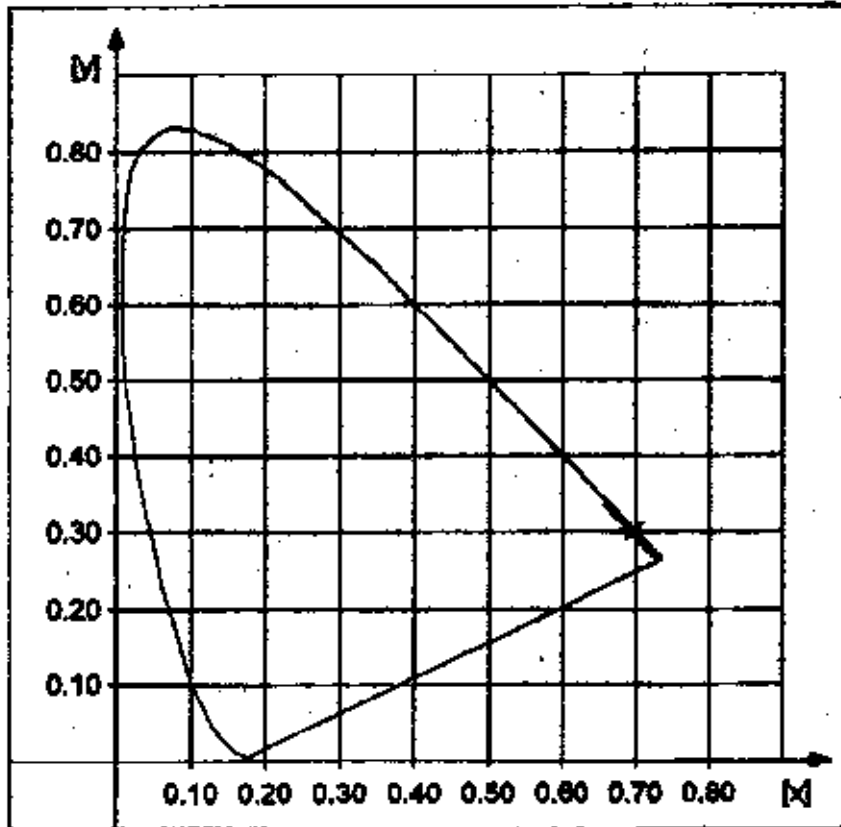
SABS

Photometric Test Report
SABS 1378-3
SABS 1378-3 RED

Date 16. Mar 2005
 Time 12:17:57
 Department LIGHTING TECHNOLOGY
 Name KALPESH
 Page 1

Project : C&J SERVICES
YE328C
RED DELUXE TL2D
STOP

colour region SABS 1378-3 RED



Channel color standard

	H	V	colour x	colour y	illuminance
first angle	0.00	0.00	0.698	0.302	10.680
second angle	0.00	0.00	0.698	0.302	10.650
third angle	0.00	0.00	0.698	0.302	10.630

Test passed