

The acceptance of an item for test and the issue of a test report are subjected to the **SABS's CONDITIONS OF TEST***, from which the following have been extracted:

1. If published or reproduced by the client, a test report shall be reproduced in full, i.e. the reproduction shall contain the printed as well as the typed parts of the report, nothing excepted. In special circumstances an abridged form of the report or certain parts of the report may be published or reproduced, provided that the abridged form or partial version of the report is approved in writing by the President and CEO of the SABS before publication or issue.
2. A test report relates only to an item submitted for the actual test. It furnishes or implies no guarantee whatsoever in respect of a similar item that has not been tested.
3. The performance of a test and the issue of a test report do not imply approval by the SABS of the quality and/or performance of the item that has been tested. This does not authorize the use of a certification mark.

NOTE – An unlawful statement implying that an item has been approved by the SABS constitutes a punishable offence in terms of section 21(1) of the Standards Act.

4. While every endeavour will be made to ensure that a test is representative and accurately performed, and that a report is accurate in the quoted results and conclusions drawn from the test, the SABS or its officers shall in no way be liable for any error made in carrying out the test or for any erroneous statement, whether in fact or in opinion, contained in a report issued pursuant to a test.

*Obtainable upon request from the President and CEO, SABS, Private Bag 2191, Pretoria, 0001

4. TEST METHOD

The tests were conducted as per the requirements of ICAO ANNEX 14 VOL ONE 3RD EDITION.

4.1 The warning light was mounted vertically in the centre of a rotating goniometer

4.2 The warning light was connected to a stabilized DC supply and tested at 52,8V.

4.3 Measurements were taken with a photocell at a test distance of 3,162 m from the light centre of the light.

4.4 During all the measurements the ambient temperature was held at 25 ± 2 °C.

5. TESTS RESULTS

The test results are given in Table 1 and 2.

TABLE 1- WARNING LIGHT

Properties	Requirements	Result
Photometric Properties	ICAO ANNEX 14 VOL ONE 3 RD EDITION	Complied 52,8V= See Annex A and B

TABLE 2- COLOUR TEST

Sample	Chromaticity co-ordinates			Results
	x	y	z	
Red	0,703	0,297	0	Complied See attached diagram ANNEX C



Tested by: Johnson Marema
TEST OFFICER
LIGHTING TECHNOLOGY



Checked by: T. Fourie
TECHNICAL SIGNATORY
LIGHTING TECHNOLOGY

This test was performed by SABS Commercial (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.)

PHOTOGRAPH OF THE SAMPLE



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(Refer also to the complete conditions printed on the back of official test reports.)

SABS

Photometric Test Report
AVI/B
NAVIGATION LIGHT AVI/A/B

Date 20. Feb 2008
Time 11:29:20
Department LIGHTING TECHNOLOGY
Name JOHNSON/THEO
Page 1

Annex A

Project : NAVLIGHT
BE135
NAVILITE
TESTED@ 52.8V DC / 330mA
NL-LS707
6 - 10 degrees Elevation (1 intervals)
0 - 360 Azimuth (30 intervals)

Channel 3,162m

	H	V	MIN	MAX	SAMPLE	
0U/0H	0.00	0.00	32.0000		118.3995	cd
6U/30H	30.00	6.00	32.0000		100.2000	cd
6U/90H	90.00	6.00	32.0000		101.2997	cd
6U/60H	60.00	6.00	32.0000		98.5002	cd
6U/90H	90.00	6.00	32.0000		101.1995	cd
8U/120H	120.00	6.00	32.0000		103.7998	cd
6U/150H	150.00	6.00	32.0000		101.1995	cd
6U/180H	180.00	6.00	32.0000		111.0997	cd
7U/180H	180.00	7.00	32.0000		104.1003	cd
7U/150H	150.00	7.00	32.0000		95.1998	cd
7U/120H	120.00	7.00	32.0000		97.4004	cd
7U/90H	90.00	7.00	32.0000		95.1998	cd
7U/60H	60.00	7.00	32.0000		92.0998	cd
7U/30H	30.00	7.00	32.0000		94.9004	cd
7U/0H	0.00	7.00	32.0000		94.2002	cd
8U/0H	0.00	8.00	32.0000		88.4999	cd
8U/30H	30.00	8.00	32.0000		89.4995	cd
8U/60H	60.00	8.00	32.0000		85.7995	cd
8U/90H	90.00	8.00	32.0000		88.2996	cd
8U/120H	120.00	8.00	32.0000		91.6000	cd
8U/150H	150.00	8.00	32.0000		88.8005	cd
8U/180H	180.00	8.00	32.0000		97.9002	cd
9U/180H	180.00	9.00	32.0000		91.2003	cd
9U/150H	150.00	9.00	32.0000		81.8000	cd
9U/120H	120.00	9.00	32.0000		85.3999	cd
9U/90H	90.00	9.00	32.0000		81.0999	cd
9U/60H	60.00	9.00	32.0000		79.1998	cd
9U/30H	30.00	9.00	32.0000		83.2003	cd
9U/0H	0.00	9.00	32.0000		82.0995	cd
10U/0H	0.00	10.00	32.0000		76.3001	cd
10U/30H	30.00	10.00	32.0000		76.7999	cd
10U/60H	60.00	10.00	32.0000		72.3997	cd
10U/90H	90.00	10.00	32.0000		74.2998	cd
10U/120H	120.00	10.00	32.0000		78.4005	cd

SABS

Annex B

Photometric Test Report
AVUB
NAVIGATION LIGHT AVIA/B

Date 20. Feb 2008
Time 11:29:20
Department LIGHTING TECHNOLOGY
Name JOHNSON/THEO
Page 2

Project : NAVLIGHT

	H	V	MIN	MAX	SAMPLE	
10V/180H	180.00	10.00	32.0000		83.9005	cd
6U/0H	0.00	6.00	32.0000		99.7002	cd
6U/-30H	-30.00	6.00	32.0000		97.9002	cd
6U/-60H	-60.00	6.00	32.0000		102.8002	cd
6U/-90H	-90.00	6.00	32.0000		101.7995	cd
6U/-120H	-120.00	6.00	32.0000		104.2005	cd
6U/-150H	-150.00	6.00	32.0000		103.9000	cd
6U/-180H	-180.00	6.00	32.0000		111.5004	cd
7U/-180H	-180.00	7.00	32.0000		104.2005	cd
7U/-150H	-150.00	7.00	32.0000		97.9002	cd
7U/-120H	-120.00	7.00	32.0000		98.0004	cd
7U/-90H	-90.00	7.00	32.0000		94.3995	cd
7U/-60H	-60.00	7.00	32.0000		97.3003	cd
7U/-30H	-30.00	7.00	32.0000		91.8003	cd
7U/0H	0.00	7.00	32.0000		93.7004	cd
8U/0H	0.00	8.00	32.0000		87.9000	cd
8U/-30H	-30.00	8.00	32.0000		86.1000	cd
8U/-60H	-60.00	8.00	32.0000		91.6000	cd
8U/-90H	-90.00	8.00	32.0000		87.4002	cd
8U/-120H	-120.00	8.00	32.0000		91.6000	cd
8U/-150H	-150.00	8.00	32.0000		91.9005	cd
8U/-180H	-180.00	8.00	32.0000		97.5997	cd
9U/-180H	-180.00	9.00	32.0000		90.7996	cd
9U/-150H	-150.00	9.00	32.0000		85.6002	cd
9U/-120H	-120.00	9.00	32.0000		84.6997	cd
9U/-90H	-90.00	9.00	32.0000		81.0999	cd
9U/-60H	-60.00	9.00	32.0000		85.6002	cd
9U/-30H	-30.00	9.00	32.0000		80.1003	cd
9U/0H	0.00	9.00	32.0000		81.6999	cd
10U/0H	0.00	10.00	32.0000		75.9005	cd
10U/-30H	-30.00	10.00	32.0000		73.4995	cd
10U/-60H	-60.00	10.00	32.0000		78.4996	cd
10U/-90H	-90.00	10.00	32.0000		75.7001	cd
10U/-120H	-120.00	10.00	32.0000		77.7995	cd
10U/-150H	-150.00	10.00	32.0000		78.3004	cd
10V/-180H	-180.00	10.00	32.0000		83.3005	cd
0V/0H	0.00	0.00	32.0000		116.9001	cd

Test passed

SABS

Photometric Test Report

Annex C

Date 20. Feb 2008

Time 11:29:48

Department LIGHTING TECHNOLOGY

Name JOHNSON

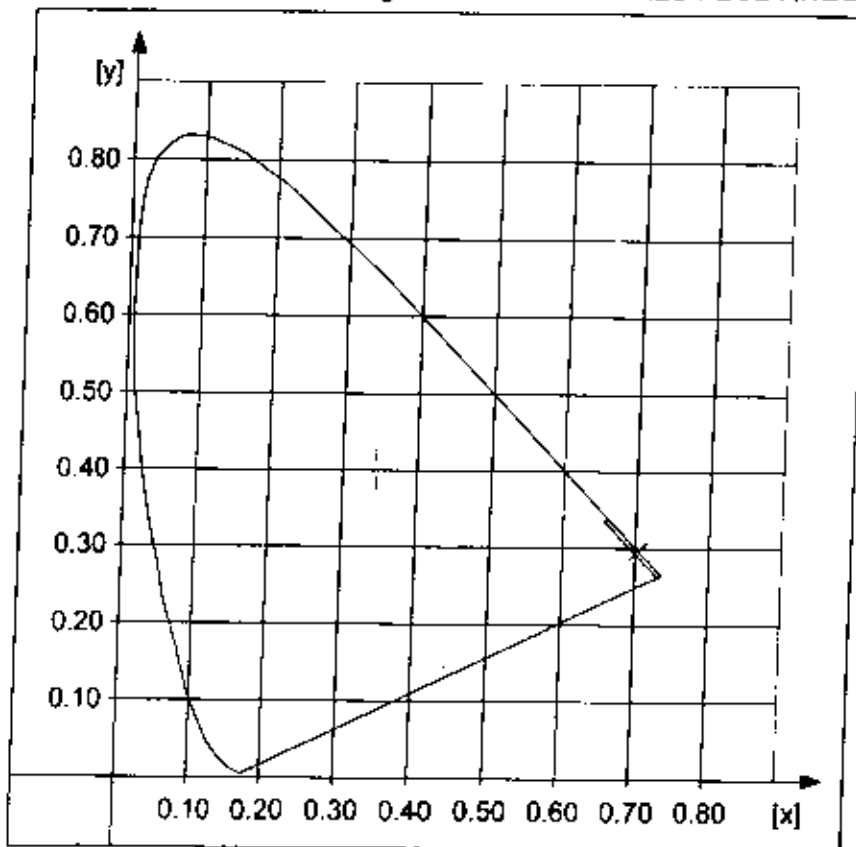
Page 1

Project : Navlight: NL-LS707

BE 135

Tested @ 52,8VDC

colour region SANS 1376-3 RED / ECE R7/ECE R38 RED



Channel color standard

	H	V	colour x	colour y	illuminance	
first angle	0.00	0.00	0.703	0.297	15.620	
second angle	0.00	0.00	0.703	0.297	15.620	
third angle	0.00	0.00	0.703	0.296	15.620	

Test passed