

TEST REPORT

SABS

The Managing Director
Shanghai Nanhua Electronics Factory.
Attention: Mr Michael Sun
Building 7. No.198
Chang He Road, Putuo District
Shanghai
China

Your ref.: Payment 2008-02-15
Our ref.: BE135D
Enquiries: J Marema
Tel.: 012 428-6073
Report No.: 2330/BE1048D
Date: 2008-07-10
Page: 1 of 3

TESTING OF WARNING LIGHT

0. CONCLUSION

The warning light **complied** with the requirements of ICAO ANNEX 14 VOL ONE 3RD EDITION for which it was tested. See Table 1 and 2.

1. DESCRIPTION OF SAMPLE

The sample consisted cylindrical shaped red housing containing a cluster of clear LED's emitting a red light fitted to a yellow dia-cast aluminium base. The electronic circuitry was mounted inside the housing. A two core cable was provided for connection to the supply.

The sample was marked as follows: "NAVLIGHT
NL-LS708-48"

See page 3 for the photographs of the sample.

2. TESTS REQUESTED

The testing of a warning light for compliance to ICAO ANNEX 14 VOL ONE 3RD EDITION.

3. SAMPLES SUBMITTED

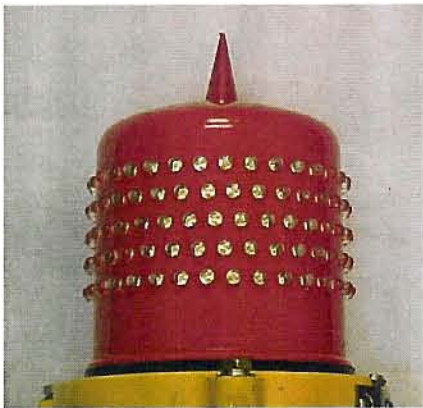
The sample was received in a condition suitable for testing.

Date sample received : 2008-02-04
Starting date of test : 2008-02-20
Completion date of test : 2008-02-20

1 Dr Lategan Road, Groenkloof, Private Bag x191, Pretoria, 0001, Tel: +27 (012) 428 7911, Fax: +27 (012) 344 1568
This test was performed by SABS Commercial (Pty) Ltd. This report and the test results relate only to the specific sample(s) identified herein.
They do 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 this page.)



PHOTOGRAPH OF THE SAMPLE



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.)

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Annex A

Photometric Test Report
AVI/B
NAVIGATION LIGHT AVIA/B

Date 20. Feb 2008
Time 11:04:25
Department LIGHTING TECHNOLOGY
Name KALPESH
Page 1

Project : NAVLIGHT
BE135
NAVILITE
TESTED@ 52.8V DC / 209mA
NL-LS708
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		72.8004	cd
6U/30H	30.00	6.00	32.0000		64.0001	cd
6U/90H	90.00	6.00	32.0000		63.6996	cd
6U/60H	60.00	6.00	32.0000		60.9000	cd
6U/90H	90.00	6.00	32.0000		63.6996	cd
6U/120H	120.00	6.00	32.0000		59.9995	cd
6U/150H	150.00	6.00	32.0000		65.9002	cd
6U/180H	180.00	6.00	32.0000		63.6005	cd
7U/180H	180.00	7.00	32.0000		60.0997	cd
7U/150H	150.00	7.00	32.0000		61.0002	cd
7U/120H	120.00	7.00	32.0000		56.4999	cd
7U/90H	90.00	7.00	32.0000		56.4999	cd
7U/60H	60.00	7.00	32.0000		60.4002	cd
7U/30H	30.00	7.00	32.0000		58.2998	cd
7U/0H	0.00	7.00	32.0000		54.4005	cd
8U/0H	0.00	8.00	32.0000		57.2000	cd
8U/30H	30.00	8.00	32.0000		52.0997	cd
8U/60H	60.00	8.00	32.0000		55.0996	cd
8U/90H	90.00	8.00	32.0000		53.1995	cd
8U/120H	120.00	8.00	32.0000		56.4999	cd
8U/150H	150.00	8.00	32.0000		56.4999	cd
8U/180H	180.00	8.00	32.0000		52.4002	cd
9U/180H	180.00	9.00	32.0000		51.3996	cd
9U/150H	150.00	9.00	32.0000		49.5996	cd
9U/120H	120.00	9.00	32.0000		50.4000	cd
9U/90H	90.00	9.00	32.0000		48.2004	cd
9U/60H	60.00	9.00	32.0000		53.1995	cd
9U/30H	30.00	9.00	32.0000		50.1005	cd
9U/0H	0.00	9.00	32.0000		46.3003	cd
10U/0H	0.00	10.00	32.0000		48.8995	cd
10U/30H	30.00	10.00	32.0000		44.3000	cd
10U/60H	60.00	10.00	32.0000		45.3998	cd
10U/90H	90.00	10.00	32.0000		46.4005	cd
10U/120H	120.00	10.00	32.0000			

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Annex B

Photometric Test Report
AVI/B
NAVIGATION LIGHT AVIA/B

Date 20. Feb 2008
Time 11:04:25
Department LIGHTING TECHNOLOGY
Name KALPESH
Page 2

Project : NAVLIGHT

	H	V	MIN	MAX	SAMPLE	
10V/180H	180.00	10.00	32.0000		47.6995	cd
6U/0H	0.00	6.00	32.0000		61.9998	cd
6U/-30H	-30.00	6.00	32.0000		66.6003	cd
6U/-60H	-60.00	6.00	32.0000		64.2004	cd
6U/-90H	-90.00	6.00	32.0000		68.1999	cd
6U/-120H	-120.00	6.00	32.0000		65.8000	cd
6U/-150H	-150.00	6.00	32.0000		67.0000	cd
6U/-180H	-180.00	6.00	32.0000		62.4996	cd
7U/-180H	-180.00	7.00	32.0000		58.9999	cd
7U/-150H	-150.00	7.00	32.0000		62.8001	cd
7U/-120H	-120.00	7.00	32.0000		61.1995	cd
7U/-90H	-90.00	7.00	32.0000		63.7997	cd
7U/-60H	-60.00	7.00	32.0000		59.3996	cd
7U/-30H	-30.00	7.00	32.0000		62.8001	cd
7U/0H	0.00	7.00	32.0000		58.0004	cd
8U/0H	0.00	8.00	32.0000		54.2002	cd
8U/-30H	-30.00	8.00	32.0000		58.5002	cd
8U/-60H	-60.00	8.00	32.0000		54.8001	cd
8U/-90H	-90.00	8.00	32.0000		58.9999	cd
8U/-120H	-120.00	8.00	32.0000		56.3997	cd
8U/-150H	-150.00	8.00	32.0000		58.7005	cd
8U/-180H	-180.00	8.00	32.0000		55.7997	cd
9U/-180H	-180.00	9.00	32.0000		51.9995	cd
9U/-150H	-150.00	9.00	32.0000		55.0996	cd
9U/-120H	-120.00	9.00	32.0000		51.9004	cd
9U/-90H	-90.00	9.00	32.0000		54.2002	cd
9U/-60H	-60.00	9.00	32.0000		50.6003	cd
9U/-30H	-30.00	9.00	32.0000		54.2002	cd
9U/0H	0.00	9.00	32.0000		49.9002	cd
10U/0H	0.00	10.00	32.0000		46.1000	cd
10U/-30H	-30.00	10.00	32.0000		50.2998	cd
10U/-60H	-60.00	10.00	32.0000		47.4001	cd
10U/-90H	-90.00	10.00	32.0000		49.9002	cd
10U/-120H	-120.00	10.00	32.0000		47.6004	cd
10U/-150H	-150.00	10.00	32.0000		50.7005	cd
10V/-180H	-180.00	10.00	32.0000		47.4001	cd
0V/0H	0.00	0.00	32.0000		72.2996	cd

Test passed

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Photometric Test Report

Annex C

Date 20. Feb 2008

Time 11:05:00

Department LIGHTING TECHNOLOGY

Name JOHNSON

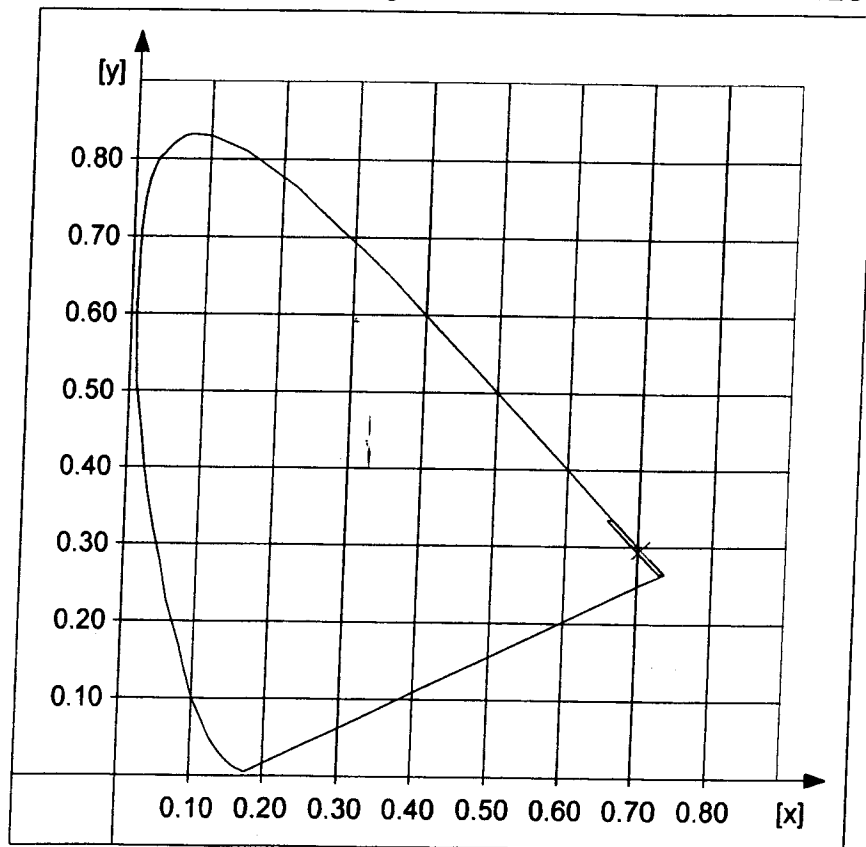
Page 1

Project : Navlight: NL-LS708

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	9.730
second angle	0.00	0.00	0.703	0.297	9.730
third angle	0.00	0.00	0.703	0.297	9.720

Test passed