

NATIONAL BUREAU OF STANDARDS REPORT

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NBS REPORT

5958

QUALIFICATION TESTS
OF
LAMPS SUPPLIED TO THE GOVERNMENT
BY
NINE CONTRACTORS
DURING FIRST TEN MONTHS
OF
CONTRACT PERIOD
September 1, 1957 to August 31, 1958

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IMPORTANT NOTICE

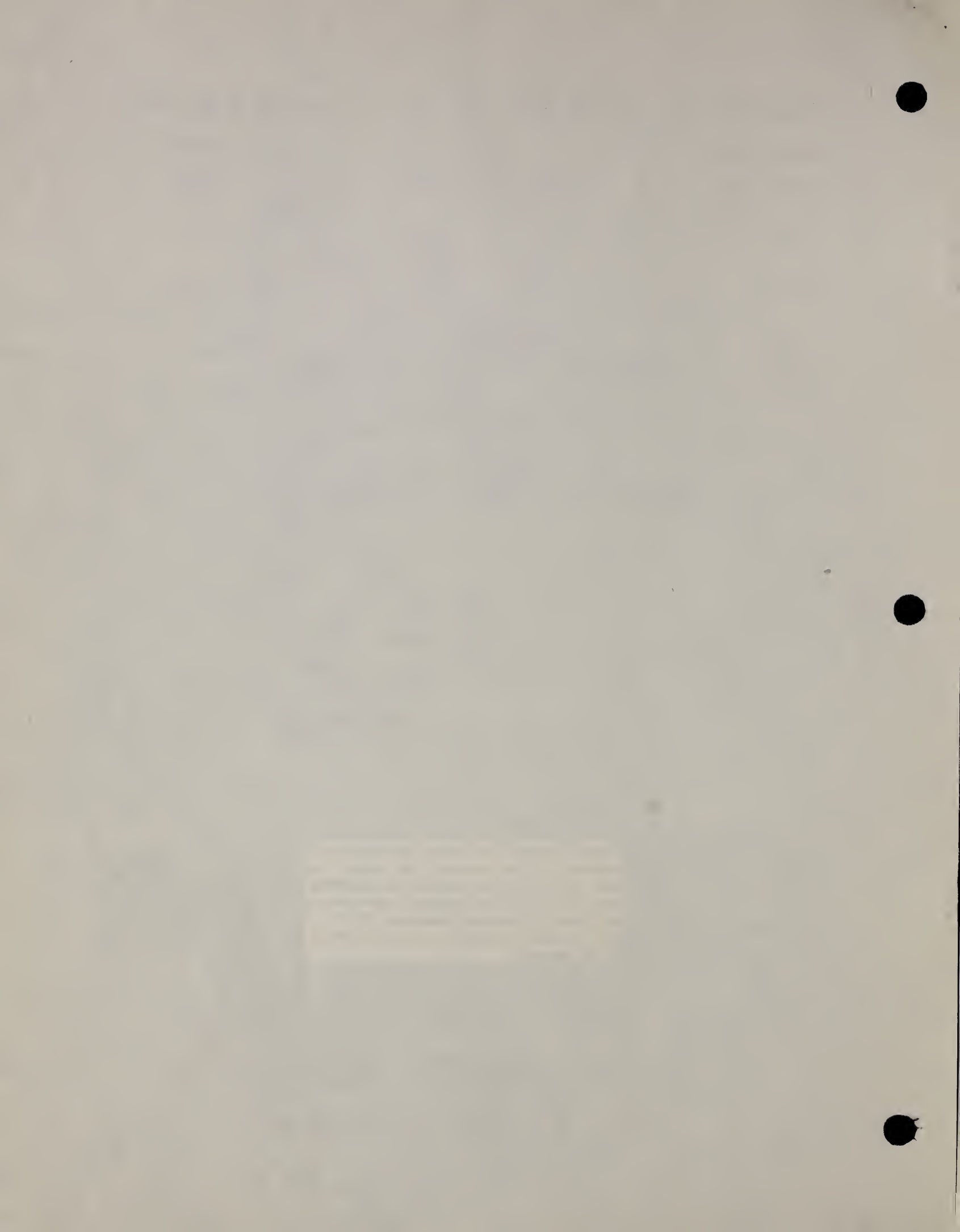
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U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS



1. PURPOSE OF TESTS

Paragraphs I(g) and I(h) of the Solicitation for Offers for Electric Lamps (class 6240) issued May 13, 1957 provided that any bid to supply lamps to the Government during the contract period September 1, 1957 to August 31, 1958 would be considered only if the bidder was qualified under the requirements of applicable Federal Specifications and also specified means whereby successful bidders could qualify for the succeeding contract period September 1, 1958 to August 31, 1959. This report gives a summary of the tests made in accordance with these provisions of the Solicitation for Offers.

2. PROCEDURE

A Government lamp inspector made periodic visits to the factories or warehouses of contractors supplying lamps to the Government and inspected these lamps to determine compliance with applicable Federal Specifications. Samples from tentatively accepted lots of lamps were selected and forwarded to the National Bureau of Standards for life test. The life tests of the various categories of lamps were made in accordance with the requirements of applicable Federal Specifications as follows:

<u>Lamps</u>	<u>Groups</u>	<u>Federal Specification</u>
Incandescent, large	a-as-bs-es-rs	W-L-101e
Incandescent, miniature	m	W-L-111b
Fluorescent	f1	W-L-116
Photographic flash	pf	W-L-122

[The text in this section is extremely faint and illegible. It appears to be a list or a series of entries, possibly a table with multiple columns. The text is too light to transcribe accurately.]



3. NUMBER OF LAMPS LIFE-TESTED

Lamps as follows, manufactured by current contractors, were life-tested:

<u>Test No.</u>	<u>Lamp Manufacturer</u>	<u>Groups</u>	<u>Number Life- Tested</u>
1	Amplex Corp.	bs	51
2	Amplex Corp.	rs	32
3	Amplex Corp	pf	392
4	Arc-Ray Electric Corp.	fl	90
5	Champion Lamp Works	a-bs-es-rs	784
6	Champion Lamp Works	fl	90
7	Dura Electric Lamp Co.	pf	224
8	General Electric Co.	a-as-bs-es-rs	770
9	General Electric Co.	m	102
10	General Electric Co.	fl	90
11	General Electric Co.	pf	115
12	Radiant Lamp Corp.	as	40
13	Sylvania Electric Prod.	a-as-bs-es-rs	635
14	Sylvania Electric Prod.	fl	90
15	Sylvania Electric Prod.	pf	184
16	Tung-Sol Electric Inc.	m	75
17	Westinghouse Elec. Corp.	a-as-bs-es-rs	660
18	Westinghouse Elec. Corp.	m	74
19	Westinghouse Elec. Corp.	fl	90
20	Westinghouse Elec. Corp.	pf	115

4. RESULTS

The lamps included in the qualification tests were the product of nine manufacturers. These were grouped into 20 separate qualification tests as tabulated in Section 3 above. The lamps in each of the 20 tests complied with the qualification requirements of the applicable Federal Specifications as listed in Section 2 above, in effect on the date of the tests. Detailed test results are on file at the National Bureau of Standards.

MEMORANDUM FOR THE RECORD

DATE: 10/15/54

NO.	NAME	ADDRESS	PHONE
1	Mr. J. H. ...	...	...
2	Mr. ...	...	...
3	Mr. ...	...	...
4	Mr. ...	...	...
5	Mr. ...	...	...
6	Mr. ...	...	...
7	Mr. ...	...	...
8	Mr. ...	...	...
9	Mr. ...	...	...
10	Mr. ...	...	...

...

5. REMARKS

Each of the nine contractors currently supplying lamps to the Government has qualified to have his bid to supply lamps of the types listed in Section 3 above considered for the contract period September 1, 1958 to August 31, 1959.

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