

NOTES:

1. TYPE II (MILITARY VEHICLE) OF PROCUREMENT SPECIFICATION.
2. PHOTOMETRIC TEST TOLERANCES: AIMING TOLERANCES OF $\pm 1/4$ DEGREE AT EACH POSITION SPECIFIED IN TABLE. AN ADDITIONAL TOLERANCE OF $\pm 20\%$ OF THE CANDLE POWER VALUE AT POINTS SPECIFIED IN TABLE 1, FOR MANUFACTURING VARIATIONS.
3. THE LOWER BEAM: 55 WATT FILAMENT SHALL BE LOCATED ON THE FOCAL PLANE OF THE REFLECTOR. THE UPPER BEAM: 110 WATT FILAMENT SHALL BE PLACED SO THAT WHEN THE LOWER BEAM IS AIMED PROPERLY, THE UPPER BEAM WILL MEET THE PHOTOMETRIC REQUIREMENTS. "LAMPS TO BE PHOTOMETERED AT DESIGN (24) VOLTS."
4. MS DASH NUMBER CORRELATES WITH LAMP INDUSTRY TRADE NUMBER.
5. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES ARE $\pm .010$.
6. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, AND REFERENCED DOCUMENTS.
7. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
8. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
9. MARKING SHALL CONSIST OF THE MS PART NUMBER, VOLTAGE RATING, AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH MIL-STD-130.

(A) ENTIRE STANDARD REVISED-SHEET 2 ADDED

P.A. ARMY-AT Other Cus: NAVY-SH AF-85	TITLE LAMP, INCANDESCENT - SEALED BEAM, PAR 36 HEADLAMP, 3 CONTACT LUG TYPE	MILITARY STANDARD MS 18003
PROCUREMENT SPECIFICATION W-L-50	SUPERSEDES	SHEET 1 OF 2

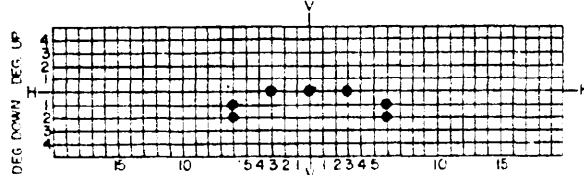
REVIEW ACTIVITY : ARMY: ME
USER ACTIVITY : NAVY --MC

This military standard is mandatory for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

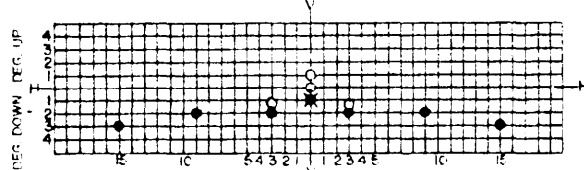
APPROVED 23 NOVEMBER 62 REVISED (A) 24 MAY 1968

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PHOTOMETRIC TEST POINTS
SEE TABLE I FOR TEST POINT VALUES
UPPER BEAM



LOWER BEAM



O-MAX CANDLEPOWER POINT ●-MIN CANDLEPOWER POINT
X-AIMING POINT -MAX AND MIN VALUE

TABLE I
PHOTOMETRIC TEST POINT VALUES
MEASURED 60 FEET FROM LAMP

UPPER BEAM		
POSITION, DEG	MAX C.P.	MIN C.P.
H-V	—	9000
H-3L TO 3R	—	7500
10-6L TO 6R	—	5000
20-6L TO 6R	—	5000

* LOWER BEAM		
POSITION, DEG	MAX C.P.	MIN C.P.
LINES-1U TO 90U	500	—
LINE H-L&R	750	—
10-V	1000	1000
1-1/2 D-3R TO 3L	5000	—
20-3R TO 3L	—	2000
20-9R TO 9L	—	1000
30-15R TO 15L	—	500

* LOWER BEAM SHALL BE AIMED STRAIGHT
AHEAD WITH THE TOP OF THE LOWER BEAM AIMED
TO OBTAIN 1000 CANDLEPOWER AT 1° DOWN-
VERTICAL

MS PART NO.	FORMER ARMY PART NO.	RATED		DESIGN		FILAMENT TYPE	RATED AVG. LAB LIFE	DESCRIPTION
		VOLTS	WATTS	VOLTS	AMPS			
MS 18003-4B11	45312F	24	110/55	28/28	393/196	CC-6/CC-6	400 HRS	CLEAR GLASS LENS, PRISMATIC

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P.A. ARMY-AT Other Cust NAVY-SH AF-B5	TITLE LAMP, INCANDESCENT - SEALED BEAM, PAR 36 HEADLAMP, 3 CONTACT LUG TYPE	MILITARY STANDARD	
		MS 18003	
PROCUREMENT SPECIFICATION W-L-50	SUPERSEDES:	SHEET 2	

APPROVED 23 NOV. 1962 REVISED (A) ENTIRE STANDARD REVISED