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		16300319		
REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL

1. LAMP TYPE

REFLECTORIZED LAMP (PARABOLIC), C-6 FILAMENT, HALOGEN REGENERATIVE CYCLE
2. RATED VOLTAGE

5.00 ±.01 VOLTS D.C.
3. CURRENT

2.00 ±5% AMPS
4. COLOR TEMPERATURE

2880 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER

8,4.0 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE
6. DIVERGENCE ANGLE

DIVERGENCE 8° ±2° AT GREATER THAN 48" FROM REFLECTOR RIM
7. END LIGHT OUTPUT

A. WITH THE REFLECTOR RIM 48" FROM THE COSINE SURFACE OF THE EG&G COSINE PHOTOMETRIC PROBE, THE LIGHT OUTPUT SHALL BE A MINIMUM OF 50 FOOTCANDLES. THIS MEASUREMENT SHALL BE PERFORMED USING AN EG&G MODEL 550 RADIOMETER/PHOTOMETER SYSTEM EQUIPPED WITH A 550-18 COSINE PHOTOMETRIC PROBE

B. DARK CENTER IN LIGHT SPOT VISUALLY DISAPPEARS AT 6 TO 12" FROM REFLECTOR RIM
8. DESIGN LIFE

5000 HOURS AVERAGE (LAB RATED) TESTED IN AMBIENT AIR WITH G4 SOCKET AS ONLY HEAT SINK. RECOMMENDED MAXIMUM HEAT SINK IS .5 IN ³AL WITH 4 IN ²AREA. REFLECTOR NECK OPERATING TEMPERATURE 240 °F TO 325 °F.
9. SPOT SIZE

2*(d*TAN(A/2)) = SPOT DIAMETER IN INCHES

d = DISTANCE FROM REFLECTOR RIM TO TARGET PLANE
A = DIVERGENCE ANGLE

SPOT SIZE IS DETERMINED BY POINT AT WHICH 50% OF CENTER INTENSITY IS REACHED. CALCULATION GOOD FOR GREATER THAN 48" FROM REFLECTOR RIM

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN PMB	DATE 11/21/94	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			CHECKED WKM	11/21/94	TITLE: LAMP SPECIFICATIONS FOR 8208-005			
BASIC DIMENSION	.XX	.XXX	APPROVED WKM	11/21/94	CODE IDENT 64475	△	DRAWING NO. 16300319	REV.
UP TO 6	±.02	±.005	REL. FOR PROD. DAB	11/22/94	SCALE			SHEET OF
ABOVE 6 TO 24	±.03	±.010	DO NOT SCALE					
ABOVE 24	±.06	±.015						
ANGLES ± 1/2 DEGREE								