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REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL
A	LIGHT OUTPUT - 120 FOOTCANELES WAS 200	3-1253	8/18/94	DAB

1. LAMP TYPE

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

14.00 ±.01 VOLTS D.C.
3. CURRENT

1.79 ±5% AMPS
4. COLOR TEMPERATURE

3200 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER

44.0 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE
6. DIVERGENCE ANGLE

DIVERGENCE 9° ±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 120 FOOTCANDLES. THIS MEASUREMENT SHALL BE PERFORMED USING AN EG&G MODEL 550 RADIOMETER/PHOTOMETER SYSTEM EQUIPPED WITH A 550-18 COSINE PHOTOMETRIC PROBE

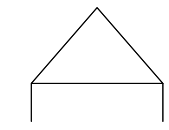
B. DARK CENTER IN LIGHT SPOT VISUALLY DISAPPEARS AT 6 TO 12" FROM REFLECTOR RIM
8. DESIGN LIFE

200 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
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 6/23/94	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			CHECKED		TITLE: LAMP SPECIFICATIONS FOR 8208-003			
BASIC DIMENSION	.XX	.XXX	APPROVED WKM	6/23/94	CODE IDENT 64475		DRAWING NO. 16300311	REV. A
UP TO 6	±.02	±.005	REL. FOR PROD. RAD	7/8/94	SCALE			SHEET OF
ABOVE 6 TO 24	±.03	±.010	DO NOT SCALE					
ABOVE 24	±.06	±.015						
ANGLES ± 1/2 DEGREE								