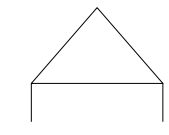


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		16300299		
REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL

1. LAMP TYPE	REFLECTORIZED LAMP (ELLIPTICAL), C-6 FILAMENT, HALOGEN REGENERATIVE CYCLE
2. RATED VOLTAGE	3.65 ±.01 VOLTS D.C.
3. CURRENT	.980 ±5% AMPS
4. COLOR TEMPERATURE	3240 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER	4.0 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE)
6. FOCAL DISTANCE	.50" ±.05" FROM THE REFLECTOR RIM
7. END LIGHT OUTPUT	WITH THE REFLECTOR RIM .50" FROM A .050" DIA. APERTURE AND .50" FROM THE APERTURE TO THE COSINE SURFACE OF THE EG&G COSINE PHOTOMETRIC PROBE, THE LIGHT OUTPUT SHALL BE A MINIMUM OF 344 FOOTCANDLES. THIS MEASUREMENT SHALL BE PERFORMED USING AN EG&G MODEL 550 RADIOMETER/PHOTOMETER SYSTEM EQUIPPED WITH A 550-18 COSINE PHOTOMETRIC PROBE
8. DESIGN LIFE	25 HOURS AVERAGE (LAB RATED) WITH SOCKET 920571-3 AS ONLY HEAT SINK. METAL MOUNTING BRACKETS WERE NOT USED.
9.SPOT SIZE	AT A DISTANCE OF .50" FROM THE REFLECTOR RIM, THE MINOR DIAMETER OF THE OVAL SPOT SHALL BE .150" MINIMUM DIA. WHICH IS LOCATED ON AXIS TO THE REFLECTOR. SPOT SIZE IS DETERMINED BY THE POINT AT WHICH 50% OF THE CENTER INTENSITY IS REACHED.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN <i>PMB</i>	DATE <i>6/15/94</i>	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			CHECKED		TITLE: <i>LAMP SPECIFICATIONS FOR 8103-002</i>			
BASIC DIMENSION	.XX	.XXX	APPROVED <i>WKM</i>	<i>6/16/94</i>	CODE IDENT <i>64475</i>		DRAWING NO. <i>16300299</i>	REV.
UP TO 6	±.02	±.005	REL. FOR PROD. <i>DAB</i>	<i>6/23/94</i>	SCALE			SHEET OF
ABOVE 6 TO 24	±.03	±.010	DO NOT SCALE					
ABOVE 24	±.06	±.015						
ANGLES ± 1/2 DEGREE								