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		16300318		
REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL

1. LAMP TYPE	REFLECTORIZED LAMP (ELLIPTICAL), C-6 FILAMENT, HALOGEN REGENERATIVE CYCLE
2. RATED VOLTAGE	12.0 ±.01 VOLTS D.C.
3. CURRENT	1.17 ±5% AMPS
4. COLOR TEMPERATURE	3120 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER	23.0 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE)
6. FOCAL DISTANCE	1.4" ±.05" FROM THE REFLECTOR RIM
7. END LIGHT OUTPUT	WITH THE REFLECTOR RIM 1.4" FROM A .100" 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 1850 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	200 HOURS AVERAGE (LAB RATED) TESTED IN AMBIENT AIR WITH G4 SOCKET AS ONLY HEAT SINK. RECOMMENDED MAXIMUM HEAT SINK IS .5 IN ³ AL WITH 4 IN ² AREA
9.SPOT SIZE	AT A DISTANCE OF 1.4" FROM THE REFLECTOR RIM, THE MINOR DIAMETER OF THE OVAL SPOT SHALL BE .220" 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	DATE	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			PMB	4/3/95				
BASIC DIMENSION	.XX	.XXX	CHECKED	RAD	4/3/95	TITLE: LAMP SPECIFICATIONS FOR 8211-007		
UP TO 6	±.02	±.005	APPROVED	WKM	4/3/95			
ABOVE 6 TO 24	±.03	±.010	REL. FOR PROD.			CODE IDENT	DRAWING NO. 16300318	REV.
ABOVE 24	±.06	±.015	DAB	4/4/95		64475		
ANGLES ± 1/2 DEGREE			DO NOT SCALE		SCALE		SHEET OF	