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OR DEVICES WITHOUT WRITTEN PERMISSION.

		16300353		
REV	REVISION DESCRIPTION	ECN	DATE	APPROVAL

1. LAMP TYPE

REFLECTORIZED LAMP (PARABOLIC), C-6 FILAMENT,
GAS FILLED
2. RATED VOLTAGE

3.00 ±.01 VOLTS D.C.
3. CURRENT

.500 ±5% AMPS
4. COLOR TEMPERATURE

3240 °K AT FILAMENT CENTER COILS OUTER DIAMETER USING A
TELESCOPING OPTICAL PYROMETER
5. MEAN SPHERICAL CANDLEPOWER

1.5 ±12% MSCP (WIRE TERMINAL LAMP IN A 20" INTEGRATING SPHERE)
6. DIVERGENCE ANGLE

DIVERGENCE 4° ±2° AT GREATER THAN 36" FROM REFLECTOR RIM
7. END LIGHT OUTPUT

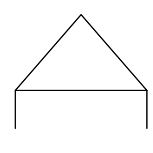
A. WITH THE REFLECTOR RIM 36" FROM THE COSINE SURFACE OF THE
EG&G COSINE PHOTOMETRIC PROBE, THE LIGHT OUTPUT SHALL BE
A MINIMUM OF 45 FOOTCANDLES. THIS MEASUREMENT SHALL BE
PERFORMED USING AN EG&G MODEL 550 RADIOMETER/PHOTOMETER
SYSTEM EQUIPPED WITH A 550-18 COSINE PHOTOMETRIC PROBE
B. DARK CENTER IN LIGHT SPOT VISUALLY DISAPPEARS AT
7 TO 14" FROM REFLECTOR RIM
8. DESIGN LIFE

20 HOURS AVERAGE (ESTIMATED)
9. SPOT SIZE

$2*(d*\text{TAN}(A/2))$ = 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 36" FROM REFLECTOR RIM

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			DRAWN PMB	DATE 9/26/95	WELCH ALLYN, INC. SKANEATELES FALLS, NY U.S.A.			
TOLERANCES ON:			CHECKED WKM	9/27/95	TITLE: LAMP SPECIFICATIONS FOR 7104-005			
BASIC DIMENSION	.XX	.XXX	APPROVED RAD	9/27/95	CODE IDENT 64475		DRAWING NO. 16300353	REV.
UP TO 6	±.02	±.005	REL. FOR PROD. DAB	9/28/95	SCALE		SHEET OF	
ABOVE 6 TO 24	±.03	±.010	DO NOT SCALE					
ABOVE 24	±.06	±.015						
ANGLES ± 1/2 DEGREE								