



LTL NUMBER: 04392

DATE: 2-9-1999

PREPARED FOR: ALM ARCHITECTURAL LIGHTING

CATALOG NUMBER: Q2-332-OCT-W-ELB-120V

LUMINAIRE: FORMED STEEL HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, OPEN TOP.

LAMPS: THREE PHILIPS F32T8/TL841 RATED AT 2850 LUMENS EACH.

BALLAST: ONE ADVANCE REL-3P32-RH-TP

MOUNTING: SUSPENDED

LUMEN TO CANDELA RATIO USED = 9.18

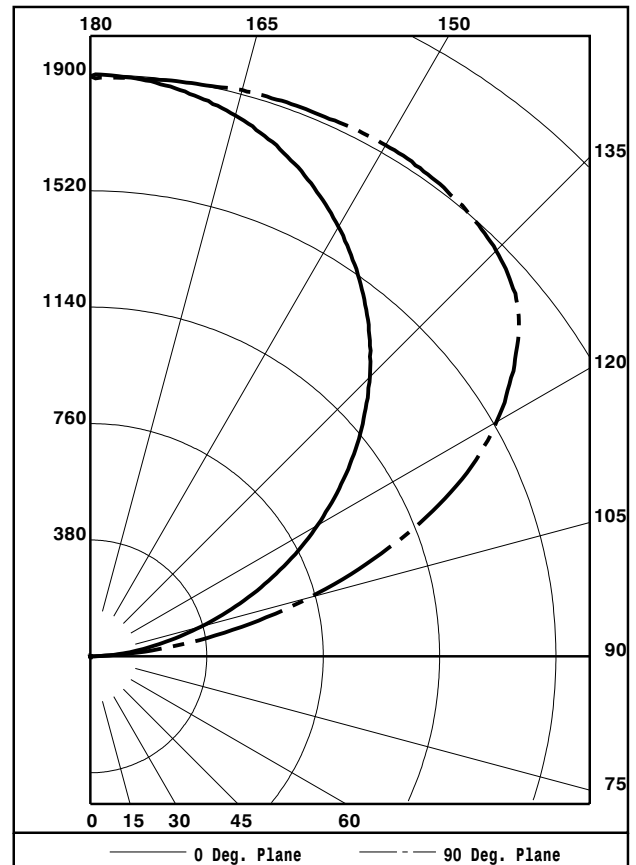
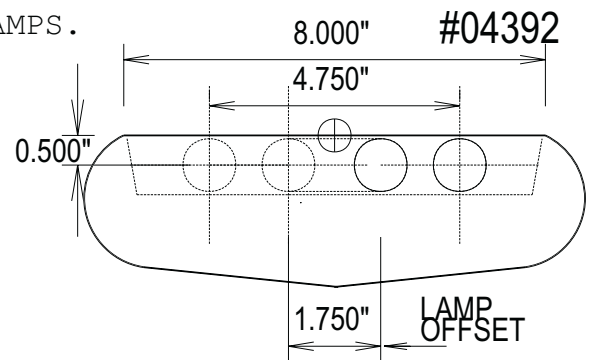
TOTAL INPUT WATTS = 90.4 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION						FLUX
90	0.0	22.5	45.0	67.5	90.0	
90	2	6	2	0	0	193
95	107	179	182	178	178	714
105	373	675	741	741	741	1114
115	697	985	1220	1301	1319	1279
125	1009	1212	1501	1655	1692	1249
135	1290	1421	1651	1814	1873	1090
145	1522	1602	1756	1876	1920	842
155	1705	1742	1831	1896	1923	530
165	1828	1843	1880	1901	1914	181
175	1891	1889	1901	1894	1893	
180	1894	1894	1894	1894	1894	

ZONAL	LUMEN	SUMMARY		
ZONE	LUMENS	%LAMP	%FIXT	
0- 90	0	0.0	0.0	
90-120	2021	23.6	28.1	
90-130	3300	38.6	45.9	
90-150	5640	66.0	78.4	
90-180	7192	84.1	100.0	
0-180	7192	84.1	100.0	

TOTAL LUMINAIRE EFFICIENCY: 84.1%
TOTAL REFLECTANCE OF PAINT: 87.7%
CIE TYPE: INDIRECT



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD
EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with columns RC, RW, and rows for cavity heights 80, 70, 50, 30, 10, 0. Each row contains 18 numerical values representing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns representing candela values at different angles (0.0, 22.5, 45.0, 67.5, 90.0) and 13 rows representing beam diameters from 90 to 180.

ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Lumen ranges (e.g., 90-95, 95-100) and corresponding lumen values.

THIS TEST WAS CONDUCTED USING RELATIVE PHOTOMETRY TECHNIQUES ACCORDING TO STANDARD IESNA PROCEDURES. THE USER MUST THEREFORE USE CAUTION IN THE FOLLOWING SITUATIONS: 1) THIS TEST WAS PERFORMED USING A SPECIFIC BALLAST/LAMP COMBINATION. EXTRAPOLATION OF THESE DATA FOR OTHER BALLAST/LAMP COMBINATIONS MAY PRODUCE ERRONEOUS RESULTS. 2) ACCORDING TO IESNA PROCEDURES, THE BALLAST(S) AND LAMP(S) ARE PRESUMED TO PRODUCE 100% OF RATED OUTPUT. AN APPROPRIATE BALLAST FACTOR MUST BE APPLIED TO THE LUMEN OUTPUT RATINGS AND LUMINOUS INTENSITY VALUES GIVEN. 3) THIS TEST WAS CONDUCTED IN A CONTROLLED LABORATORY ENVIRONMENT WHERE THE AMBIENT TEMPERATURE WAS HELD AT 25°C ±1°C. FIELD PERFORMANCE MAY DIFFER PARTICULARLY IN REGARDS TO CHANGE IN LUMINOUS OUTPUT AS A RESULT OF DIFFERENCE IN AMBIENT TEMPERATURE AND METHOD OF MOUNTING THE LUMINAIRE.