



LTL NUMBER: 04384

DATE: 2-9-1999

PREPARED FOR: ALM ARCHITECTURAL LIGHTING

CATALOG NUMBER: Q2-132-OCT-W-ELB-120V

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

LAMPS: ONE PHILIPS F32T8/TL841 RATED AT 2850 LUMENS.

BALLAST: ONE ADVANCE REL-1P32-SC

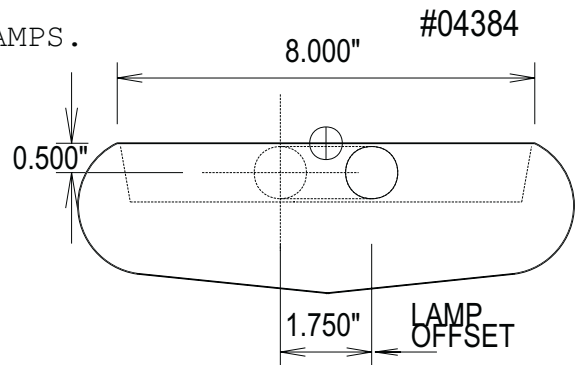
MOUNTING: SUSPENDED

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 32.2 AT 120.0 VOLTS

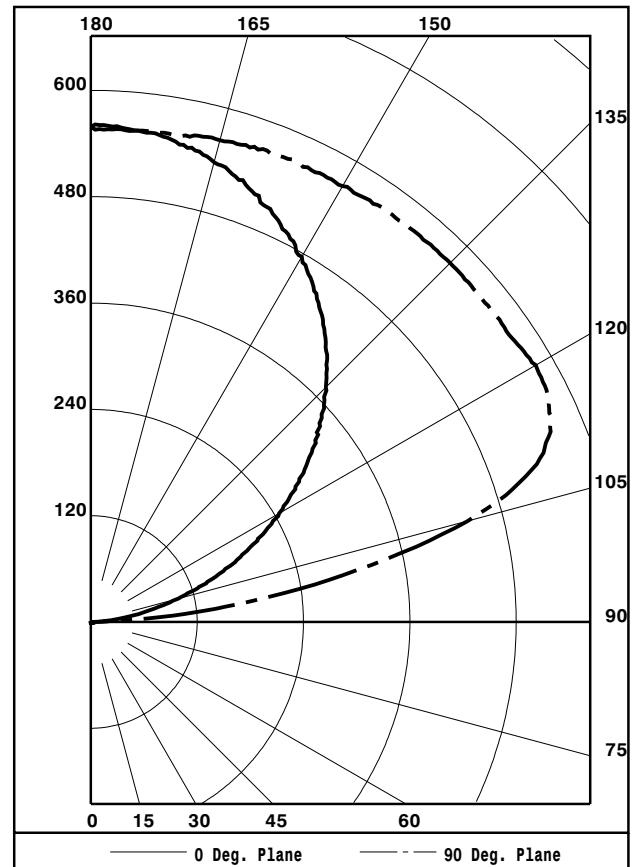
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION						FLUX
90	0.0	22.5	45.0	67.5	90.0	
90	1	4	2	2	2	111
95	23	110	114	111	107	346
105	102	247	387	432	441	411
115	197	293	438	539	571	402
125	293	355	460	544	573	373
135	375	416	490	550	573	322
145	445	471	519	558	572	248
155	500	511	541	559	567	156
165	537	541	553	560	563	53
175	557	556	561	557	557	
180	559	559	559	559	559	



ZONE	LUMEN	SUMMARY	%LAMP	%FIXT
0- 90		0	0.0	0.0
90-120		868	30.4	35.8
90-130		1269	44.5	52.4
90-150		1965	68.9	81.1
90-180		2422	85.0	100.0
0-180		2422	85.0	100.0

TOTAL LUMINAIRE EFFICIENCY: 85.0%
 TOTAL REFLECTANCE OF PAINT: 87.8%
 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 columns for candela values (0.0, 22.5, 45.0, 67.5, 90.0) and rows for beam angles (90, 95, 100, 105, 110, 115, 120, 125, 130, 135, 140, 145, 150, 155, 160, 165, 170, 175, 180).

ZONAL LUMEN SUMMARY

Table with columns for beam angle ranges (90-95, 95-100, 100-105, 105-110, 110-115, 115-120, 120-125, 125-130, 130-135, 135-140, 140-145, 145-150, 150-155, 155-160, 160-165, 165-170, 170-175, 175-180) 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.