



# LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING  
MEMBER  
of the  
IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

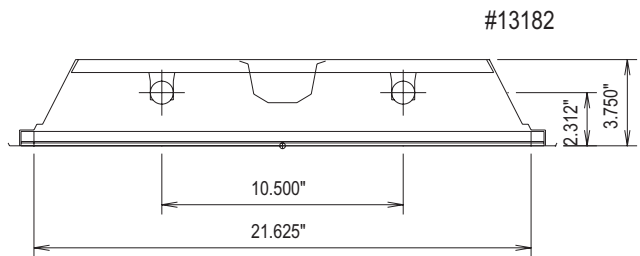
LTL NUMBER: 13182 DATE: 06-10-2008  
 PREPARED FOR: EB FLUORESCENT COMPANY, INC.  
 CATALOG NUMBER: G2X4 2/32 C  
 LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING/REFLECTOR, CLEAR  
 PRISMATIC PLASTIC LENS.  
 LAMPS: TWO 32 WATT T8 LINEAR FLUORESCENT LAMPS RATED AT 2850 LUMENS  
 EACH.  
 LAMP CATALOG NUMBER: PHILIPS F32T8/TL841/ALTO  
 BALLAST: ONE ADVANCE ICN-2P32-SC  
 MOUNTING: RECESSED  
 TOTAL INPUT WATTS = 60.0 AT 120.0 VOLTS

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1655	1655	1655	1655	1655
5	1653	1649	1650	1651	1652
15	1593	1596	1616	1634	1641
25	1469	1489	1539	1583	1600
35	1278	1316	1395	1467	1496
45	1001	1034	1137	1209	1246
55	683	706	794	814	842
65	397	384	386	426	431
75	199	199	179	229	236
85	79	76	77	100	96
90	0	5	9	17	15

### FLUX

157
457
709
869
868
687
404
220
90



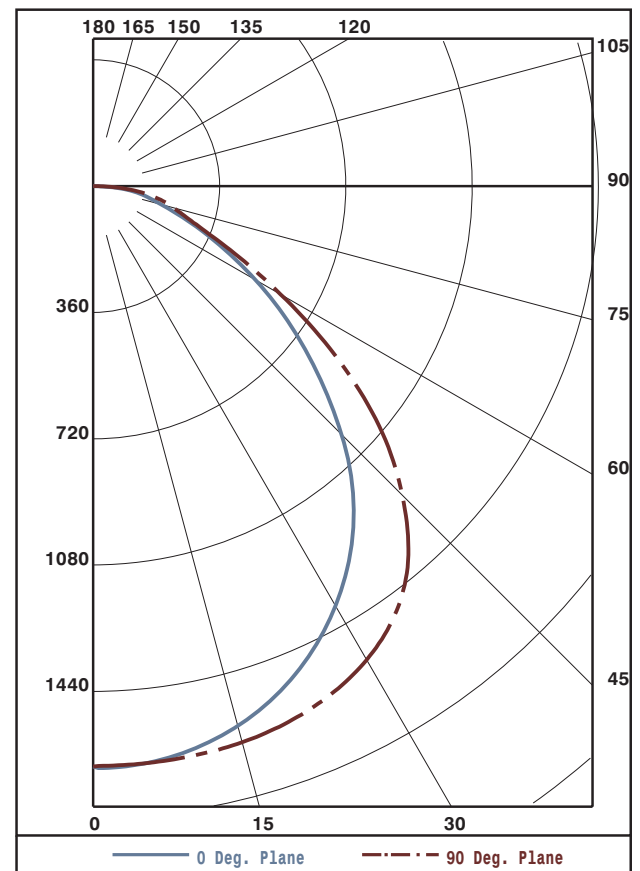
### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1323	23.2	29.7
0- 40	2193	38.5	49.1
0- 60	3747	65.7	84.0
0- 90	4462	78.3	100.0
90-180	0	0.0	0.0
0-180	4462	78.3	100.0

TOTAL LUMINAIRE EFFICIENCY: 78.3%  
 TOTAL REFLECTANCE OF PAINT: 90.1%  
 CIE TYPE: DIRECT  
 PLANE: 0-DEG 90-DEG  
 SPACING CRITERIA: 1.2 1.4  
 LUMINOUS LENGTH: 45.125 21.500

### LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	2644.	2644.	2644.
45	2261.	2569.	2815.
55	1902.	2211.	2345.
65	1501.	1459.	1629.
75	1228.	1105.	1457.
85	1448.	1411.	1760.



Approved By: MG



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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 of candela values for beam angles from 0.0 to 90.0 degrees.

ZONAL LUMEN SUMMARY

Table with 3 columns showing lumen values for various beam angle zones from 0-5 to 85-90 degrees.

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.