



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

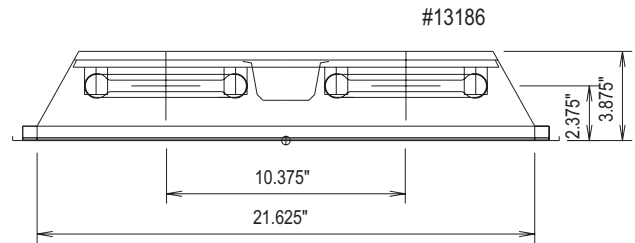
LTL NUMBER: 13186 DATE: 06-30-2008
 PREPARED FOR: EB FLUORESCENT COMPANY, INC.
 CATALOG NUMBER: G2X2 2/31 C
 LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING/REFLECTOR, CLEAR PRISMATIC PLASTIC LENS.
 LAMPS: TWO 32 WATT U-SHAPED T8 FLUORESCENT LAMPS RATED AT 2800 LUMENS EACH.
 LAMP CATALOG NUMBER: PHILIPS FB32T8/TL841/6/ALTO
 BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B232IUNVHP-B
 MOUNTING: RECESSED
 TOTAL INPUT WATTS = 56.0 AT 120.0 VOLTS
 THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1492	1492	1492	1492	1492
5	1486	1485	1486	1488	1489
15	1421	1427	1441	1455	1461
25	1293	1307	1337	1367	1379
35	1103	1118	1157	1202	1223
45	834	837	883	925	959
55	548	557	598	631	648
65	313	300	281	314	328
75	168	149	134	165	196
85	59	58	56	75	72
90	0	0	0	0	0

FLUX

142
407
616
725
684
531
306
167
67



ZONAL LUMEN SUMMARY

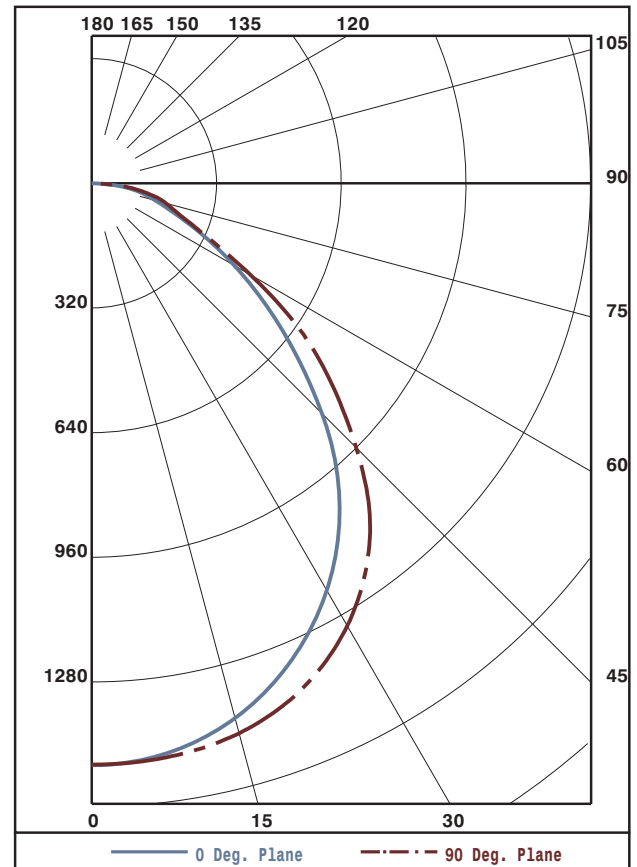
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1165	20.8	32.0
0- 40	1889	33.7	51.8
0- 60	3104	55.4	85.2
0- 90	3644	65.1	100.0
90-180	0	0.0	0.0
0-180	3644	65.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 65.1%
 TOTAL REFLECTANCE OF PAINT: 82.3%
 CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 1.3

LUMINOUS LENGTH: 21.500 21.625

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	4974.	4974.	4974.
45	3932.	4163.	4521.
55	3185.	3475.	3766.
65	2469.	2216.	2587.
75	2164.	1726.	2524.
85	2257.	2142.	2754.



Approved By: *MG*



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

Table with 17 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows (0-10) showing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns showing candela values for various angles from 0.0 to 90.0.

ZONAL LUMEN SUMMARY

Table with 3 columns showing zonal lumen values for various angle ranges from 0-5 to 85-90.

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.