



# 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: 13211

DATE: 09-12-2008

PREPARED FOR: EB FLUORESCENT COMPANY, INC.

CATALOG NUMBER: VAP 2/48

LUMINAIRE: MOLDED PLASTIC AND FORMED STEEL HOUSING, FORMED WHITE ENAMEL

LAMPS: TWO 48 WATT T8 HIGH OUTPUT LINEAR FLUORESCENT LAMPS RATED AT 4000 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F48T8/HO/TL841

BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B286I120RH

MOUNTING: SURFACE/PENDANT

#13211

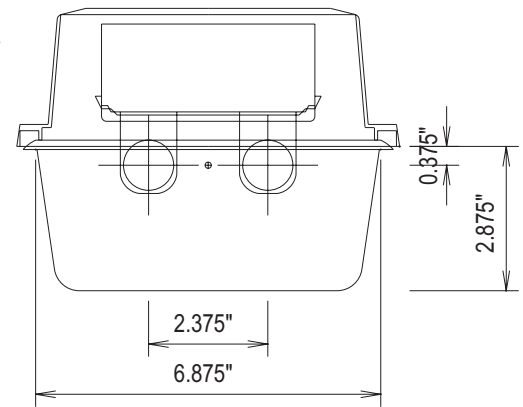
TOTAL INPUT WATTS = 72.1 AT 120.0 VOLTS  
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

### CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	1348	1348	1348	1348	1348
5	1342	1346	1348	1355	1358
15	1294	1316	1356	1385	1395
25	1202	1255	1327	1390	1414
35	1064	1146	1261	1352	1385
45	878	991	1138	1254	1296
55	649	789	964	1122	1184
65	413	571	833	1065	1132
75	220	399	706	825	859
85	74	219	392	517	559
90	24	132	264	376	414
95	32	85	171	260	295
105	25	47	71	98	114
115	10	29	51	49	48
125	3	13	36	43	42
135	0	3	20	30	33
145	0	0	8	16	18
155	0	0	0	4	6
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

### FLUX

129
382
610
780
863
851
802
651
396
188
79
40
26
14
5
1
0
0

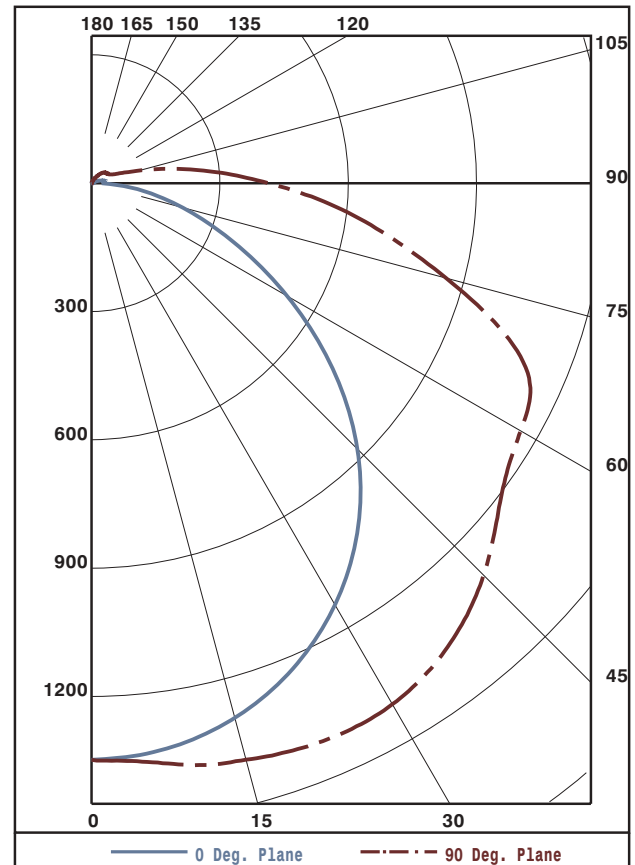


### ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	1121	14.0	19.3
0- 40	1902	23.8	32.7
0- 60	3615	45.2	62.2
0- 90	5464	68.3	93.9
90-120	307	3.8	5.3
90-130	332	4.2	5.7
90-150	351	4.4	6.0
90-180	352	4.4	6.1
0-180	5816	72.7	100.0

TOTAL LUMINAIRE EFFICIENCY: 72.7%

CIE TYPE: DIRECT  
PLANE: 0-DEG 90-DEG  
SPACING CRITERIA: 1.3 1.6



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, and 15 numerical values) and 11 rows (0-10).

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 49.750 7.250
HEIGHT OF SIDE: 2.875 2.875

LUMINANCE IN CANDELA PER SQUARE METER

Table with 4 columns (ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG) and 6 rows (0, 45, 55, 65, 75, 85).



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CANDELA DISTRIBUTION

Table with 6 columns of candela values for various angles from 0.0 to 180.0.

ZONAL LUMEN SUMMARY

Table with 3 columns of zonal lumen values for various angle ranges from 0-5 to 175-180.

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.