



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: 13227

DATE: 11-05-2008

PREPARED FOR: EB FLUORESCENT COMPANY, INC.

CATALOG NUMBER: TIN2/54C WHITE

LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING, FORMED WHITE ENAMEL STEEL REFLECTOR, NO ENCLOSURE.

LAMPS: TWO 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMPS RATED AT 4400 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F54T5/841/HO/ALTO

BALLAST: ONE KEYSTONE TECHNOLOGIES KTEB-254HO-UV-TP-PS/LS

MOUNTING: PENDANT

NOTE: THIS TEST REPORT WAS PRORATED TO A FOUR LAMP, EIGHT FOOT LUMINAIRE TEST USING MEASURED DATA FROM LTL TEST NUMBER 13226.

TOTAL AS TESTED INPUT WATTS = 112.2 AT 120.0 VOLTS

TOTAL PRORATED INPUT WATTS = 224.4 AT 120.0 VOLTS

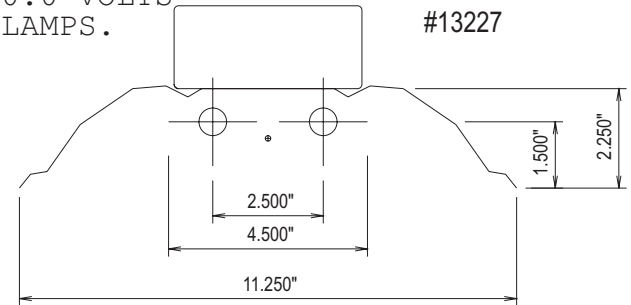
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	4121	4121	4121	4121	4121
5	4114	4115	4129	4153	4165
15	3974	4047	4145	4208	4235
25	3701	3862	4020	4067	4101
35	3306	3545	3688	3864	3952
45	2800	3096	3358	3678	3788
55	2204	2511	3003	3348	3480
65	1524	1985	2501	2860	2983
75	796	1342	1784	1774	1753
85	137	485	139	98	93
90	0	63	9	0	0
95	0	37	2	0	0
105	0	0	0	0	0
115	0	0	0	0	0
125	0	0	0	0	0
135	0	0	0	0	0
145	0	0	0	0	0
155	0	0	0	0	0
165	0	0	0	0	0
175	0	0	0	0	0
180	0	0	0	0	0

FLUX

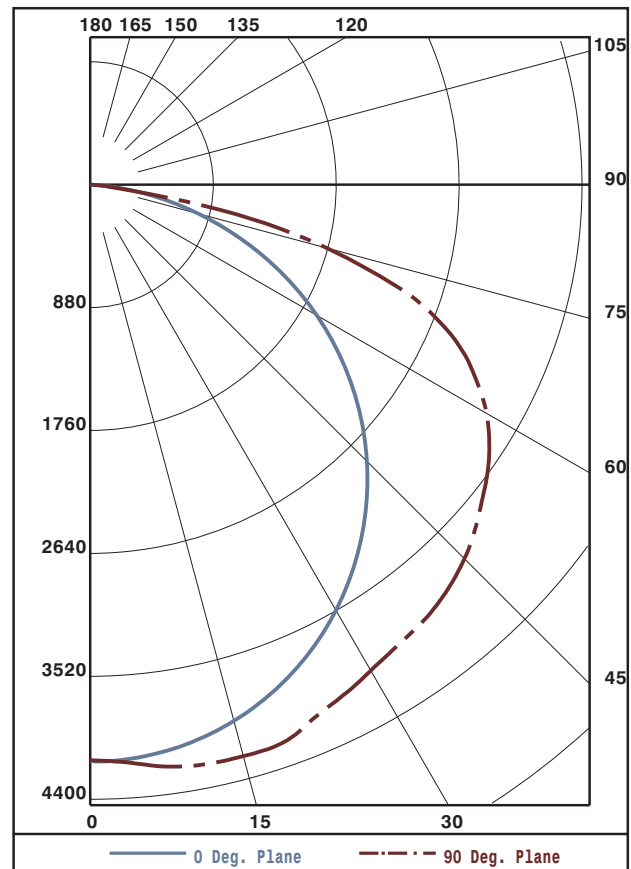
395
1168
1831
2310
2593
2618
2372
1608
284



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	3394	19.3	22.3
0- 40	5703	32.4	37.5
0- 60	10914	62.0	71.9
0- 90	15178	86.2	99.9
90-120	10	0.1	0.1
90-130	10	0.1	0.1
90-150	10	0.1	0.1
90-180	10	0.1	0.1
0-180	15189	86.3	100.0

TOTAL LUMINAIRE EFFICIENCY: 86.3%
TOTAL REFLECTANCE OF PAINT: 84.1%
CIE TYPE: DIRECT
PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.3 1.5



Approved By: MG



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

Table with 11 columns (RC, RW, and 9 sub-columns for reflectance values) and 11 rows (0-10) showing utilization coefficients.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 96.000 11.250
HEIGHT OF SIDE: 2.250 0.000

Table with 4 columns (ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG) and 5 rows (0, 45, 55, 65, 75, 85) showing luminance values.



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CANDELA DISTRIBUTION

Table with 6 columns representing candela values at various angles (0.0, 22.5, 45.0, 67.5, 90.0) for angles from 0 to 180 degrees.

ZONAL LUMEN SUMMARY

Table with 2 columns representing zonal lumen values for angular zones from 0-5 to 175-180 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.