



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: 13205

DATE: 11-12-2008

PREPARED FOR: EB FLUORESCENT COMPANY, INC.

CATALOG NUMBER: HI BAY 4/54

LUMINAIRE: FORMED STEEL HOUSING, FORMED SPECULAR ALUMINUM REFLECTOR, NO ENCLOSURE.

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

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

BALLAST: ONE SYLVANIA QTP4X54T5HO/UNV PSN HT W

MOUNTING: PENDANT

TOTAL INPUT WATTS =210.8 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

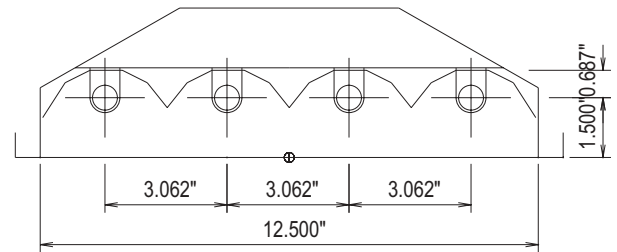
#13205

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	7030	7030	7030	7030	7030
5	6991	7026	7137	7228	7256
15	6714	7001	7075	6963	6896
25	6186	6527	6190	5851	5790
35	5430	5567	5023	4646	4421
45	4485	4309	3641	3265	3073
55	3386	3064	2345	2022	1967
65	2186	1730	1339	1611	1739
75	1025	701	1147	1110	1058
85	113	205	192	138	148
90	0	0	0	0	0

FLUX

682
1960
2824
3147
2899
2279
1658
1047
239



ZONAL LUMEN SUMMARY

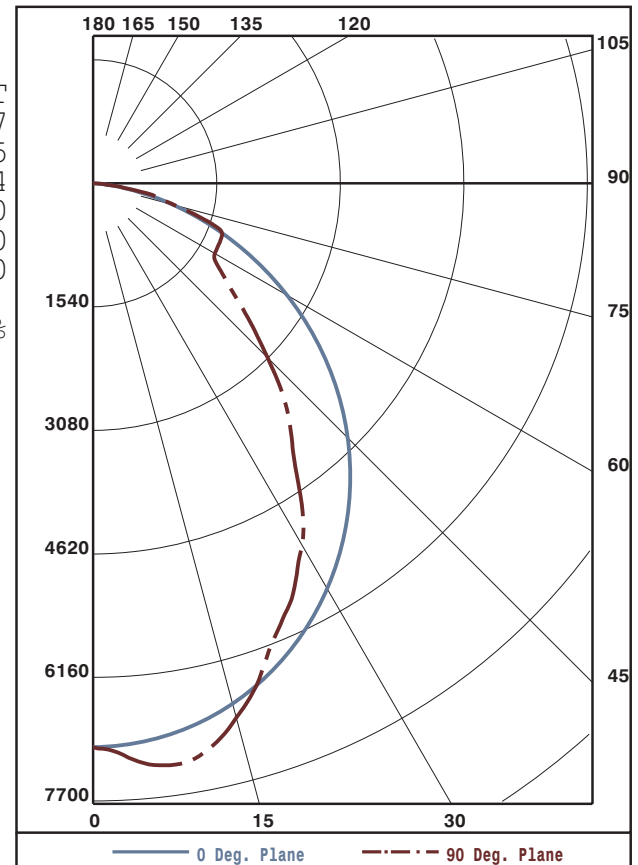
ZONE	LUMENS	%LAMP	%FIXT
0- 30	5466	31.1	32.7
0- 40	8614	48.9	51.5
0- 60	13792	78.4	82.4
0- 90	16736	95.1	100.0
90-180	0	0.0	0.0
0-180	16736	95.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 95.1%

CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 1.1
 LUMINOUS LENGTH: 48.000 12.500

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	18159.	18159.	18159.
45	16384.	13301.	11226.
55	15249.	10561.	8859.
65	13361.	8184.	10629.
75	10230.	11448.	10559.
85	3349.	5691.	4386.



Approved By: MG



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

Table with 14 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows of numerical data representing utilization coefficients.

CANDELA DISTRIBUTION

Table with 6 columns of numerical data representing candela distribution values across various angles.

ZONAL LUMEN SUMMARY

Table with 2 columns (Zonal Lumen range, Summary value) showing cumulative lumen values for different zones.

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.