



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

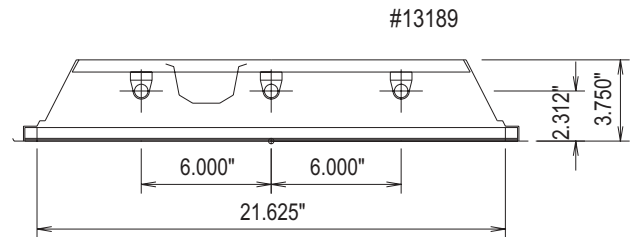
LTL NUMBER: 13189 DATE: 06-19-2008
 PREPARED FOR: EB FLUORESCENT COMPANY, INC.
 CATALOG NUMBER: G2X4 3/54 C
 LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING/REFLECTOR, CLEAR
 PRISMATIC PLASTIC LENS.
 LAMPS: THREE 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMPS RATED AT
 4400 LUMENS EACH.
 LAMP CATALOG NUMBER: PHILIPS F54T5/TL841/HO/ALTO
 BALLAST: ONE FULHAM WORKHORSE WH7-120-L
 MOUNTING: RECESSED
 TOTAL INPUT WATTS =163.4 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	4160	4160	4160	4160	4160
5	4153	4146	4146	4149	4150
15	4004	4014	4053	4092	4107
25	3691	3736	3844	3936	3970
35	3199	3283	3451	3604	3664
45	2484	2559	2783	2942	3027
55	1683	1736	1955	2019	2083
65	971	947	958	1053	1061
75	491	482	433	553	580
85	192	188	187	241	233
90	3	16	25	45	43

FLUX

	395
5	1146
15	1770
25	2151
35	2129
45	1694
55	999
65	535
75	219
85	
90	



ZONAL LUMEN SUMMARY

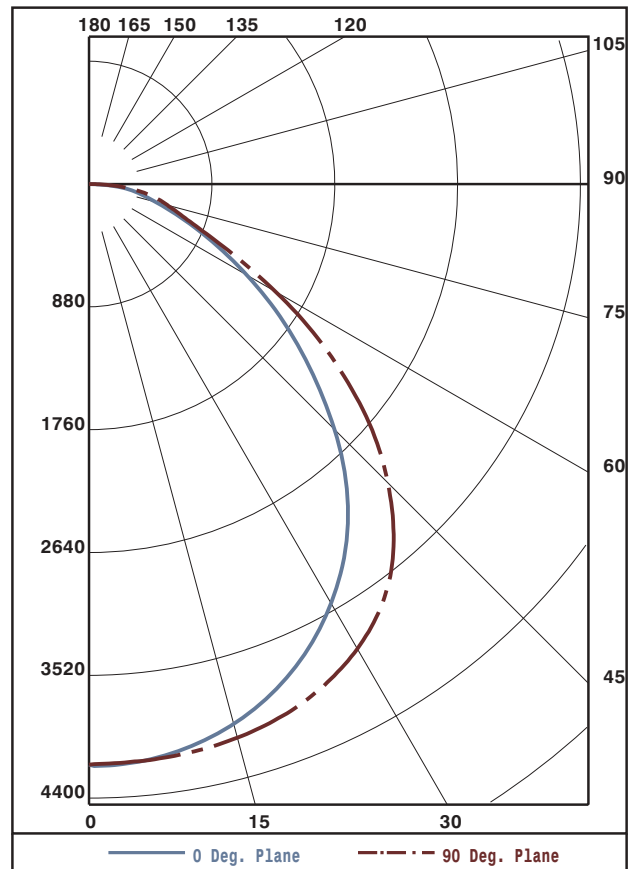
ZONE	LUMENS	%LAMP	%FIXT
0- 30	3312	25.1	30.0
0- 40	5462	41.4	49.5
0- 60	9285	70.3	84.1
0- 90	11039	83.6	100.0
90-180	0	0.0	0.0
0-180	11039	83.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 83.6%
 TOTAL REFLECTANCE OF PAINT: 85.8%
 CIE TYPE: DIRECT
 PLANE: 0-DEG 90-DEG
 SPACING CRITERIA: 1.2 1.4

LUMINOUS LENGTH: 45.375 21.625

LUMINANCE IN CANDELA PER SQUARE METER

ANGLE IN DEG	AVERAGE 0-DEG	AVERAGE 45-DEG	AVERAGE 90-DEG
0	6571.	6571.	6571.
45	5549.	6217.	6762.
55	4635.	5384.	5736.
65	3629.	3581.	3965.
75	2996.	2643.	3540.
85	3480.	3389.	4223.



Approved By: MG



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

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	100	100	100	100	97	97	97	97	93	93	93	89	89	89	85	85	85	84
1	92	89	85	82	90	87	84	81	83	81	79	80	78	76	77	75	74	72
2	85	79	74	69	83	77	72	69	74	70	67	72	68	65	69	66	64	62
3	78	70	64	59	76	69	63	59	67	62	58	64	60	57	62	59	56	54
4	72	63	56	51	70	62	56	51	60	54	50	58	53	49	56	52	49	47
5	66	56	49	44	64	55	48	44	53	48	43	52	47	43	50	46	42	40
6	61	50	43	38	59	50	43	38	48	42	38	47	41	37	45	41	37	35
7	56	45	38	33	55	45	38	33	43	37	33	42	37	33	41	36	32	31
8	52	41	34	29	50	40	33	29	39	33	29	38	32	28	37	32	28	27
9	48	36	30	25	46	36	29	25	35	29	25	34	29	25	33	28	24	23
10	44	33	26	22	43	33	26	22	32	26	22	31	26	22	30	25	22	20

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	4160	4160	4160	4160	4160
5	4153	4146	4146	4149	4150
10	4098	4097	4113	4129	4135
15	4004	4014	4053	4092	4107
20	3870	3896	3966	4030	4055
25	3691	3736	3844	3936	3970
30	3468	3535	3677	3799	3844
35	3199	3283	3451	3604	3664
40	2874	2954	3146	3313	3392
45	2484	2559	2783	2942	3027
50	2075	2150	2396	2519	2592
55	1683	1736	1955	2019	2083
60	1305	1325	1441	1512	1544
65	971	947	958	1053	1061
70	699	665	613	743	751
75	491	482	433	553	580
80	353	329	332	403	433
85	192	188	187	241	233
90	3	16	25	45	43

ZONAL LUMEN SUMMARY

0- 5	99.
5- 10	296.
10- 15	485.
15- 20	661.
20- 25	819.
25- 30	951.
30- 35	1049.
35- 40	1102.
40- 45	1095.
45- 50	1034.
50- 55	926.
55- 60	769.
60- 65	583.
65- 70	416.
70- 75	305.
75- 80	231.
80- 85	158.
85- 90	61.

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.