



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

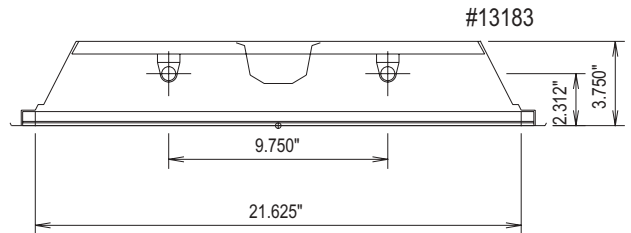
LTL NUMBER: 13183 DATE: 06-18-2008
 PREPARED FOR: EB FLUORESCENT COMPANY, INC.
 CATALOG NUMBER: G2X4 2/54 C
 LUMINAIRE: FORMED WHITE ENAMEL STEEL HOUSING/REFLECTOR, CLEAR
 PRISMATIC PLASTIC LENS.
 LAMPS: TWO 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMPS RATED AT
 4400 LUMENS EACH.
 LAMP CATALOG NUMBER: PHILIPS F54T5/TL841/HO/ALTO
 BALLAST: ONE KEYSTONE TECHNOLOGIES KTEB-254T5HO-UV-TP-PS/LS
 MOUNTING: RECESSED
 TOTAL INPUT WATTS =111.1 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	2404	2404	2404	2404	2404
5	2400	2394	2396	2398	2398
15	2314	2318	2343	2367	2376
25	2134	2159	2230	2290	2312
35	1852	1904	2016	2116	2156
45	1440	1491	1641	1747	1800
55	979	1021	1166	1211	1245
65	571	559	568	629	639
75	288	284	257	327	342
85	112	110	111	143	137
90	1	9	14	27	25

FLUX

228
663
1027
1256
1253
1005
592
316
129



ZONAL LUMEN SUMMARY

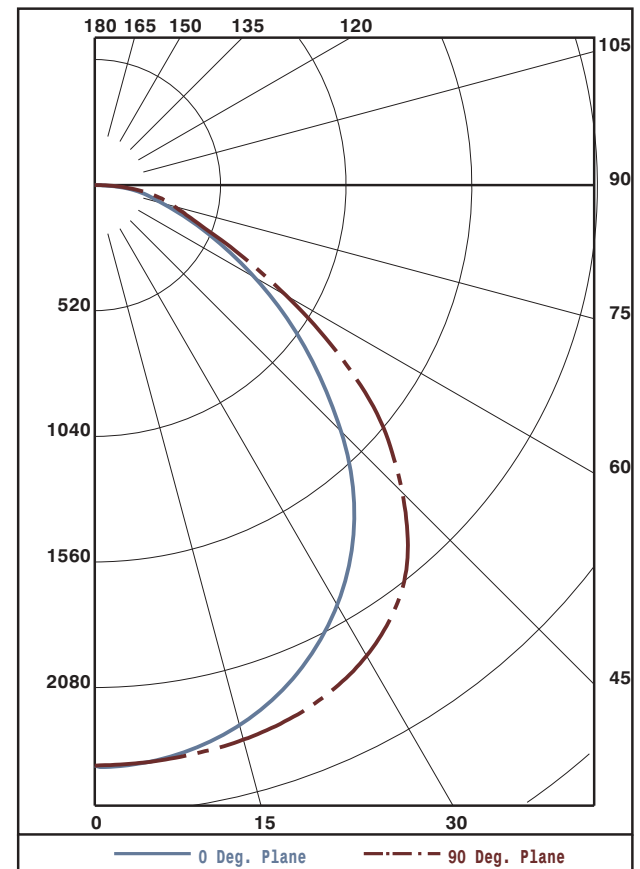
ZONE	LUMENS	%LAMP	%FIXT
0- 30	1918	21.8	29.6
0- 40	3174	36.1	49.1
0- 60	5432	61.7	84.0
0- 90	6469	73.5	100.0
90-180	0	0.0	0.0
0-180	6469	73.5	100.0

TOTAL LUMINAIRE EFFICIENCY: 73.5%
 TOTAL REFLECTANCE OF PAINT: 81.6%
 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	3797.	3797.	3797.
45	3217.	3666.	4021.
55	2696.	3211.	3429.
65	2134.	2123.	2388.
75	1758.	1568.	2087.
85	2030.	2012.	2483.



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	
0	88	88	88	88	85	85	85	85	82	82	82	78	78	78	75	75	75	74
1	81	78	75	72	79	76	74	71	73	71	69	70	69	67	68	66	65	63
2	75	69	65	61	73	68	64	60	65	62	59	63	60	57	61	58	56	55
3	69	62	56	52	67	61	56	52	58	54	51	56	53	50	55	52	49	48
4	63	55	49	45	62	54	49	44	52	48	44	51	47	43	49	46	43	41
5	58	49	43	38	56	48	42	38	47	42	38	45	41	37	44	40	37	35
6	53	44	38	33	52	43	38	33	42	37	33	41	36	33	40	36	32	31
7	49	40	33	29	48	39	33	29	38	33	29	37	32	29	36	32	28	27
8	45	36	29	25	44	35	29	25	34	29	25	33	28	25	32	28	25	23
9	42	32	26	22	41	31	26	22	31	25	22	30	25	21	29	25	21	20
10	39	29	23	19	38	29	23	19	28	23	19	27	22	19	26	22	19	18

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	2404	2404	2404	2404	2404
5	2400	2394	2396	2398	2398
10	2368	2366	2376	2386	2390
15	2314	2318	2343	2367	2376
20	2237	2249	2296	2336	2352
25	2134	2159	2230	2290	2312
30	2006	2046	2140	2219	2250
35	1852	1904	2016	2116	2156
40	1665	1717	1845	1959	2013
45	1440	1491	1641	1747	1800
50	1204	1258	1421	1505	1558
55	979	1021	1166	1211	1245
60	763	782	856	892	914
65	571	559	568	629	639
70	411	392	365	441	446
75	288	284	257	327	342
80	206	193	197	238	255
85	112	110	111	143	137
90	1	9	14	27	25

ZONAL LUMEN SUMMARY

0- 5	57.
5- 10	171.
10- 15	280.
15- 20	383.
20- 25	475.
25- 30	552.
30- 35	612.
35- 40	645.
40- 45	643.
45- 50	610.
50- 55	550.
55- 60	455.
60- 65	344.
65- 70	247.
70- 75	180.
75- 80	136.
80- 85	94.
85- 90	36.

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.