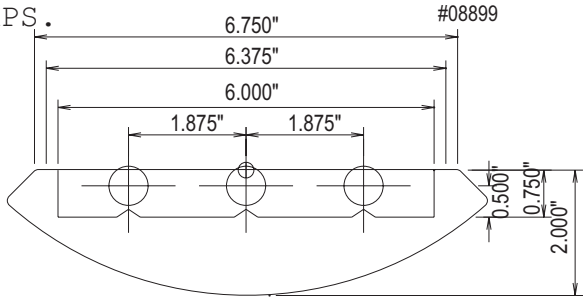
LTL LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING MEMBER of the IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 08899 DATE: 05-04-2005
PREPARED FOR: ADAM METAL PRODUCTS
CATALOG NUMBER: T554HOT5 (LINEAR FIXTURE ANOFOL REFLECTOR)
LUMINAIRE: FORMED STEEL HOUSING, FORMED SPECULAR ALUMINUM REFLECTOR, OPEN TOP.
LAMPS: THREE 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMPS RATED AT 4400 LUMENS EACH.
LAMP CATALOG NUMBER: SYLVANIA FP54/841/HO
BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B454IUNV-E
MOUNTING: PENDANT
LUMEN TO CANDELA RATIO USED = 9.18
TOTAL INPUT WATTS =183.0 AT 120.0 VOLTS
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.



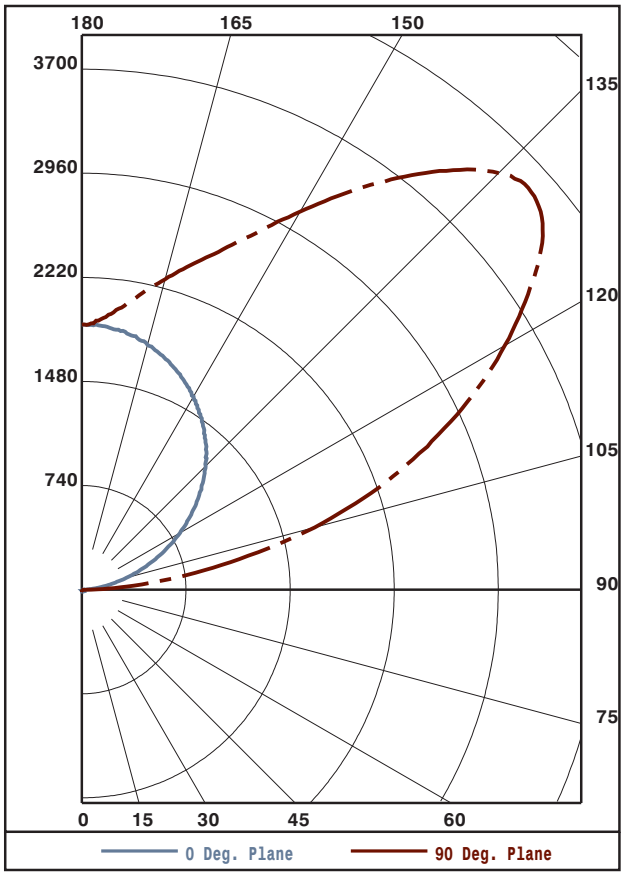
CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0	FLUX
90	0	20	30	39	41	
95	77	405	416	423	426	426
105	328	1402	1640	1702	1712	1512
115	645	1827	2728	2897	2942	2283
125	955	1829	3269	3847	3938	2535
135	1244	1847	2961	3881	4188	2206
145	1487	1894	2573	3237	3496	1604
155	1668	1905	2299	2622	2759	1050
165	1801	1905	2082	2229	2284	588
175	1881	1882	1917	1939	1945	184
180	1885	1885	1885	1885	1885	

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 90	0	0.0	0.0
90-120	4220	32.0	34.1
90-130	6755	51.2	54.5
90-150	10565	80.0	85.3
90-180	12387	93.8	100.0
0-180	12387	93.8	100.0

TOTAL LUMINAIRE EFFICIENCY: 93.8%
CIE TYPE: INDIRECT



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-41 AND OTHER PERTINENT IESNA PROCEDURES.

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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	89	89	89	89	76	76	76	76	52	52	52	30	30	30	10	10	10	0
1	81	77	74	71	69	66	64	61	45	44	42	26	25	25	8	8	8	0
2	74	68	62	58	63	58	54	50	40	37	35	23	22	20	7	7	7	0
3	67	59	53	48	57	51	46	42	35	32	29	20	19	17	6	6	6	0
4	61	52	45	40	52	45	39	35	31	27	25	18	16	15	6	5	5	0
5	56	46	39	34	48	40	34	30	27	24	21	16	14	12	5	5	4	0
6	51	41	34	29	44	35	30	25	24	21	18	14	12	11	5	4	4	0
7	47	37	30	25	40	32	26	22	22	18	16	13	11	9	4	4	3	0
8	44	33	27	22	37	29	23	19	20	16	14	11	10	8	4	3	3	0
9	40	30	24	19	34	26	20	17	18	14	12	10	8	7	3	3	2	0
10	38	27	21	17	32	24	18	15	16	13	11	10	8	6	3	3	2	0

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
90	0	20	30	39	41
95	77	405	416	423	426
100	189	922	1031	1009	1006
105	328	1402	1640	1702	1712
110	487	1731	2214	2318	2353
115	645	1827	2728	2897	2942
120	806	1835	3142	3407	3471
125	955	1829	3269	3847	3938
130	1109	1836	3153	4038	4240
135	1244	1847	2961	3881	4188
140	1367	1872	2763	3570	3876
145	1487	1894	2573	3237	3496
150	1586	1902	2416	2897	3103
155	1668	1905	2299	2622	2759
160	1743	1911	2190	2407	2496
165	1801	1905	2082	2229	2284
170	1850	1900	1996	2065	2093
175	1881	1882	1917	1939	1945
180	1885	1885	1885	1885	1885

ZONAL LUMEN SUMMARY

90- 95	88.
95-100	338.
100-105	626.
105-110	886.
110-115	1076.
115-120	1207.
120-125	1272.
125-130	1262.
130-135	1174.
135-140	1032.
140-145	877.
145-150	726.
150-155	587.
155-160	463.
160-165	348.
165-170	240.
170-175	139.
175-180	45.

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.