



LTL NUMBER: 08440

DATE: 10-08-2004

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: ACC01-4-X-WDBW-X-120-T5HO

LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED SPECULAR ALUMINUM REFLECTOR, 47 CELL, 1/2" DEEP, FORMED WHITE ENAMEL ALUMINUM BAFFLE.

LAMP: ONE 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMP RATED AT 4400 LUMENS.

LAMP CATALOG NUMBER: SYLVANIA FP54/841/HO

BALLAST: ONE UNIVERSAL LIGHTING TECHNOLOGIES B254PUNV-D

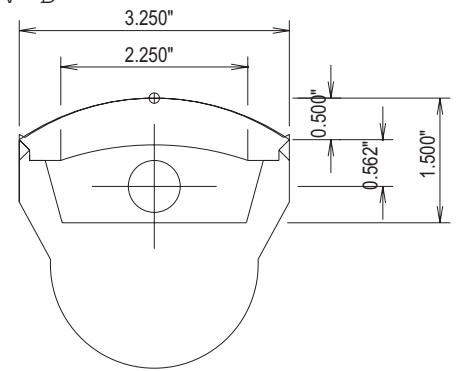
MOUNTING: PENDANT

LUMEN TO CANDELA RATIO USED = 9.18

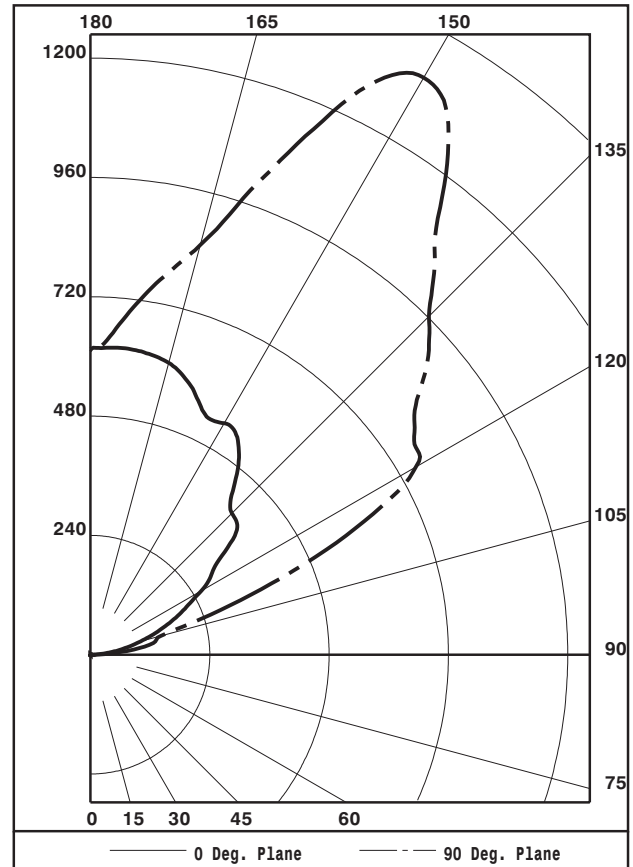
TOTAL INPUT WATTS = 63.0 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#08440



CANDELA DISTRIBUTION						FLUX
	0.0	22.5	45.0	67.5	90.0	
0	0	0	0	0	0	0
5	0	0	0	0	0	0
15	0	0	0	0	0	0
25	0	0	0	0	0	0
35	0	0	0	0	0	0
45	0	0	0	0	0	0
55	0	0	0	0	0	0
65	0	0	1	1	0	1
75	0	0	5	5	0	3
85	0	5	20	20	0	13
90	1	17	36	36	7	
95	27	39	59	65	60	58
105	105	116	147	149	147	153
115	201	256	342	499	567	366
125	303	494	572	688	796	519
135	402	612	860	903	963	591
145	518	667	1017	1211	1255	586
155	538	662	873	1122	1238	411
165	608	672	760	826	853	213
175	620	629	649	661	668	63
180	615	615	615	615	615	



ZONAL ZONE	LUMEN LUMENS	%LAMP	%FIXT
0- 30	0	0.0	0.0
0- 40	0	0.0	0.0
0- 60	0	0.0	0.0
0- 90	16	0.4	0.5
90-120	576	13.1	19.4
90-130	1095	24.9	36.8
90-150	2273	51.7	76.4
90-180	2960	67.3	99.5
0-180	2977	67.6	100.0

TOTAL LUMINAIRE EFFICIENCY: 67.6%

CIE TYPE: INDIRECT

SHIELDING ANGLES: 29 16

TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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CANDELA DISTRIBUTION

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

ZONAL LUMEN SUMMARY

Table with 2 columns representing lumens in zones (e.g., 0-5, 5-10) and their corresponding summary values.



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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
0	65	65	65	65	55	55	55	55	38	38	38	22	22	22	7	7	7	0
1	59	56	53	51	50	48	46	44	33	32	30	19	18	18	6	6	6	0
2	53	49	45	42	45	42	39	36	29	27	25	17	16	15	5	5	5	0
3	48	43	38	34	41	37	33	30	25	23	21	15	13	12	5	4	4	0
4	44	38	33	29	38	32	28	25	22	20	18	13	12	10	4	4	3	0
5	40	33	28	24	34	29	24	21	20	17	15	11	10	9	4	3	3	0
6	37	30	25	21	32	25	21	18	18	15	13	10	9	8	3	3	3	0
7	34	26	22	18	29	23	19	16	16	13	11	9	8	7	3	3	2	0
8	31	24	19	16	27	21	17	14	14	12	10	8	7	6	3	2	2	0
9	29	22	17	14	25	19	15	12	13	10	9	8	6	5	2	2	2	0
10	27	20	15	12	23	17	13	11	12	9	8	7	5	5	2	2	2	0

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.



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INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 08440
LUMINAIRE SUSPENSION LENGTH = 1.5
WORKING PLANE HEIGHT = 2.50
FLOOR REFLECTANCE = 20

Table with columns: ROOM HT, CEIL RF, WALL RF, WIDTH, LENGTH. Rows represent combinations of room height and reflectance for different room dimensions (8, 9, 10, 12).

QUANTITY OF LUMINAIRES