



LTL NUMBER: 06524

DATE: 02-20-2002

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: LMSO3-PH-X-WR-4-120-T5HO

LUMINAIRE: EXTRUDED ALUMINUM HOUSING WITH FORMED STEEL ENDS, FORMED WHITE ENAMEL ALUMINUM REFLECTOR, PERFORATED SECTIONS WITH TRANSLUCENT WHITE ACRYLIC INSERTS, OPEN TOP.

LAMPS: THREE SYLVANIA FP54/830/HO RATED AT 4400 LUMENS EACH.

BALLASTS: TWO ADVANCE ICN-2S54

MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS =188.4 AT 120.0 VOLTS

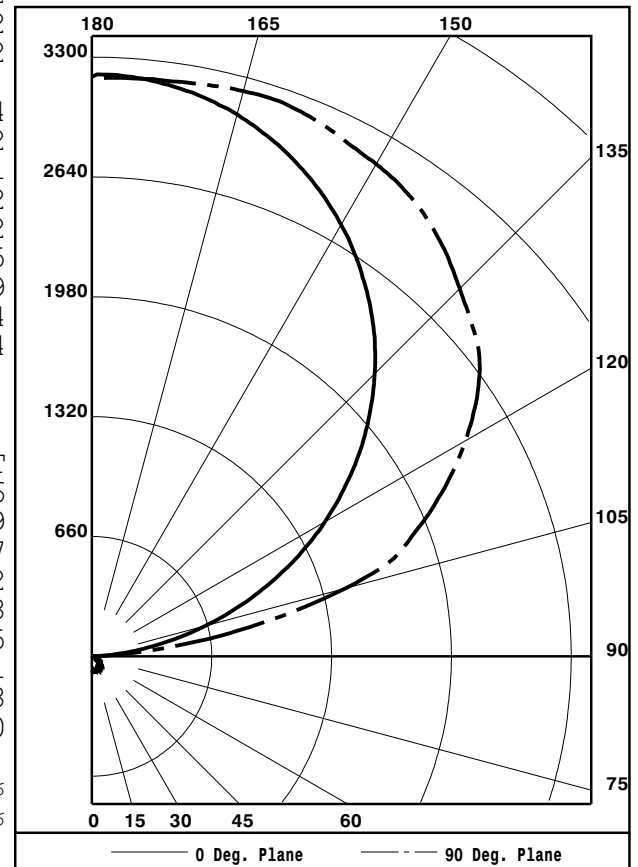
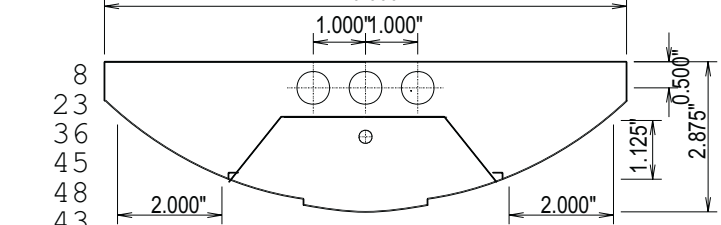
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#06524

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
0	86	86	86	86	86
5	84	85	85	85	85
15	78	77	78	78	78
25	74	74	75	83	84
35	62	63	71	82	84
45	45	51	64	71	71
55	27	42	49	56	60
65	20	27	35	42	46
75	8	16	22	30	36
85	0	8	8	14	18
90	0	7	8	12	16
95	129	338	301	254	240
105	642	1029	1334	1449	1446
115	1210	1506	1882	2058	2123
125	1737	1976	2277	2525	2599
135	2201	2399	2635	2799	2865
145	2585	2712	2888	3021	3077
155	2882	2944	3081	3150	3178
165	3091	3108	3168	3205	3223
175	3194	3180	3197	3192	3193
180	3192	3192	3192	3192	3192

FLUX



ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP	%FIXT
0- 30	67	0.5	0.6
0- 40	111	0.8	0.9
0- 60	202	1.5	1.7
0- 90	267	2.0	2.2
90-120	3346	25.4	27.8
90-130	5348	40.5	44.5
90-150	9145	69.3	76.1
90-180	11752	89.0	97.8
0-180	12019	91.1	100.0

TOTAL LUMINAIRE EFFICIENCY: 91.1%
TOTAL REFLECTANCE OF PAINT: 91.3%
CIE TYPE: INDIRECT
PLANE: 0-DEG 90-DEG
SPACING CRITERIA: 1.2 1.5

TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



LUMINAIRE TESTING LABORATORY, INC.



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

Table with 18 columns (RC, RW, 80, 70, 50, 30, 10, 0) and 11 rows (0-10) showing utilization coefficients.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 46.500 4.000
HEIGHT OF SIDE: 0.000 1.125

Table with 4 columns (ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG) and 6 rows (0, 45, 55, 65, 75, 85) showing luminance values.



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ZONAL LUMEN SUMMARY

Table with 6 columns: Candela values at 0.0, 22.5, 45.0, 67.5, 90.0 degrees and Zonal Lumen Summary ranges from 0-5 to 175-180.

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 06524
LUMINAIRE SUSPENSION LENGTH = 1.5
WORKING PLANE HEIGHT = 2.50
FLOOR REFLECTANCE = 20

Table with columns for ROOM HT, CEIL RF, WALL RF, WIDTH, LENGTH, and 16 columns of footcandle values for different room dimensions and heights.

QUANTITY OF LUMINAIRES