



LTL NUMBER: 06549

DATE: 03-20-2002

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: LMS01-SH-X-WR-4-X-X-120-T5HO

LUMINAIRE: EXTRUDED ALUMINUM HOUSING WITH FORMED STEEL ENDS, FORMED WHITE ENAMEL ALUMINUM REFLECTORS, OPEN TOP.

LAMP: ONE PENNYSYLVANIA FP54/830/HO RATED AT 4400 LUMENS.

BALLAST: ONE ADVANCE ICN-2S54

MOUNTING: PENDENT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 63.0 AT 120.0 VOLTS

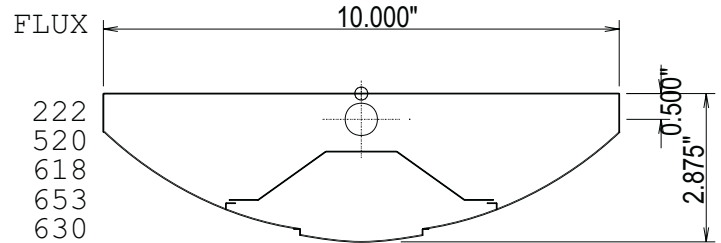
THE 0 DEGREE PLANE IS PARALLEL WITH THE LAMPS.

#06549

CANDELA DISTRIBUTION

	0.0	22.5	45.0	67.5	90.0
90	0	0	0	0	0
95	38	193	276	256	242
105	187	359	525	653	701
115	364	487	659	763	806
125	525	604	749	861	901
135	669	740	821	903	934
145	784	834	873	930	954
155	875	902	946	959	960
165	933	946	970	980	986
175	966	966	973	972	972
180	969	969	969	969	969

FLUX



ZONAL LUMEN SUMMARY

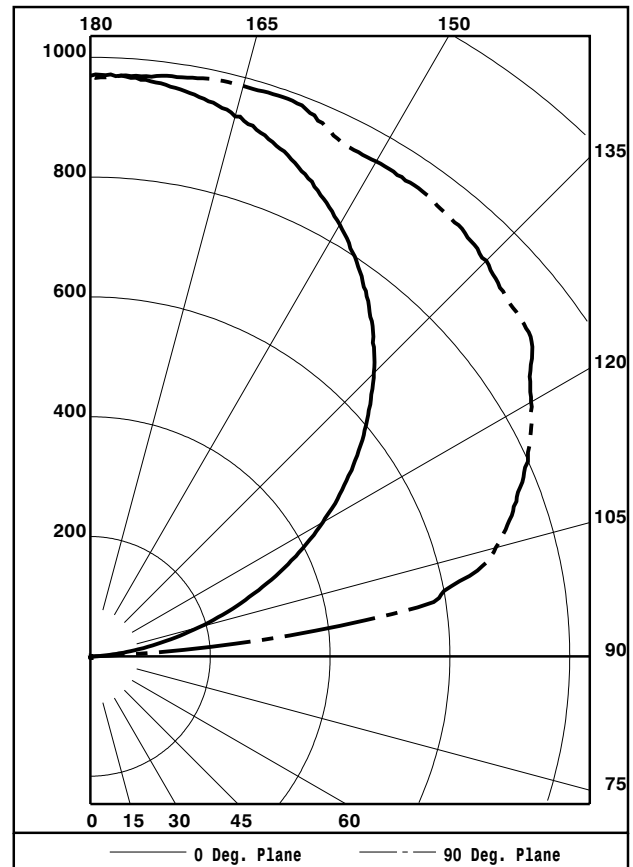
ZONE	LUMENS	%LAMP
0- 90	0	0.0
90-120	1360	30.9
90-130	2014	45.8
90-150	3194	72.6
90-180	3990	90.7
0-180	3990	90.7

%FIXT
0.0
34.1
50.5
80.1
100.0
100.0

TOTAL LUMINAIRE EFFICIENCY: 90.7%

TOTAL REFLECTANCE OF PAINT: 91.2%

CIE TYPE: INDIRECT



TESTED BY HERSCHEL SCHRECK
 CHECKED BY MIKE GRATHER



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

Table with 18 columns: RC, RW, and four groups of three columns each representing different cavity heights (80, 70, 50, 30, 10, 0). Rows represent different mounting heights from 0 to 10.

CANDELA DISTRIBUTION

Table with 6 columns representing beam angles: 0.0, 22.5, 45.0, 67.5, 90.0. Rows represent mounting heights from 90 to 180.

ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal height ranges (e.g., 90-95, 95-100) and corresponding lumen values.

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.



LUMINAIRE TESTING LABORATORY, INC.



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

INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 06549
LUMINAIRE SUSPENSION LENGTH = 1.5
WORKING PLANE HEIGHT = 2.50
FLOOR REFLECTANCE = 20

Table with columns for ROOM HT, CEIL RF, WALL RF, WIDTH, and LENGTH, and rows for various room dimensions (10, 15, 20, 30, 60, 100 feet) and reflectance values (80, 70).

QUANTITY OF LUMINAIRES