



LTL NUMBER: 06292

DATE: 11-29-2001

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: LMP02-4-W-OP-X-120-T5HO

LUMINAIRE: EXTRUDED ALUMINUM HOUSING, FORMED WHITE ENAMEL ALUMINUM REFLECTOR, PERFORATED SECTION WITH TRANSLUCENT WHITE ACRYLIC INSERT, OPEN TOP.

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

BALLAST: ONE MAGNETEK B254PUNV-D

MOUNTING: WALL

LUMEN TO CANDELA RATIO USED = 9.18

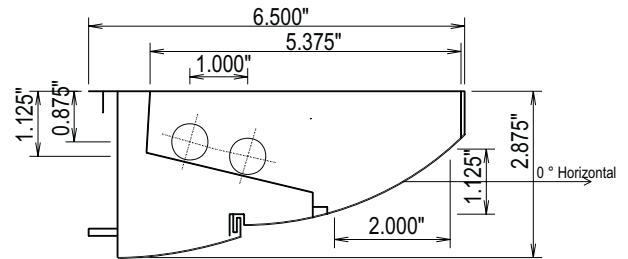
TOTAL INPUT WATTS =120.6 AT 120.0 VOLTS

THE 0 DEGREE PLANE IS PERPENDICULAR TO THE LAMPS.

Table with columns: CANDELA DISTRIBUTION (0.0 to 180.0) and FLUX (6 to 1285). Rows show light distribution data.

ZONAL LUMEN SUMMARY table with columns: ZONE, LUMENS, %LAMP, %FIXT. Rows show lumen distribution by zone.

#06292



TOTAL LUMINAIRE EFFICIENCY: 86.0%
TOTAL REFLECTANCE OF PAINT: 90.4%
CIE TYPE: INDIRECT

TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER



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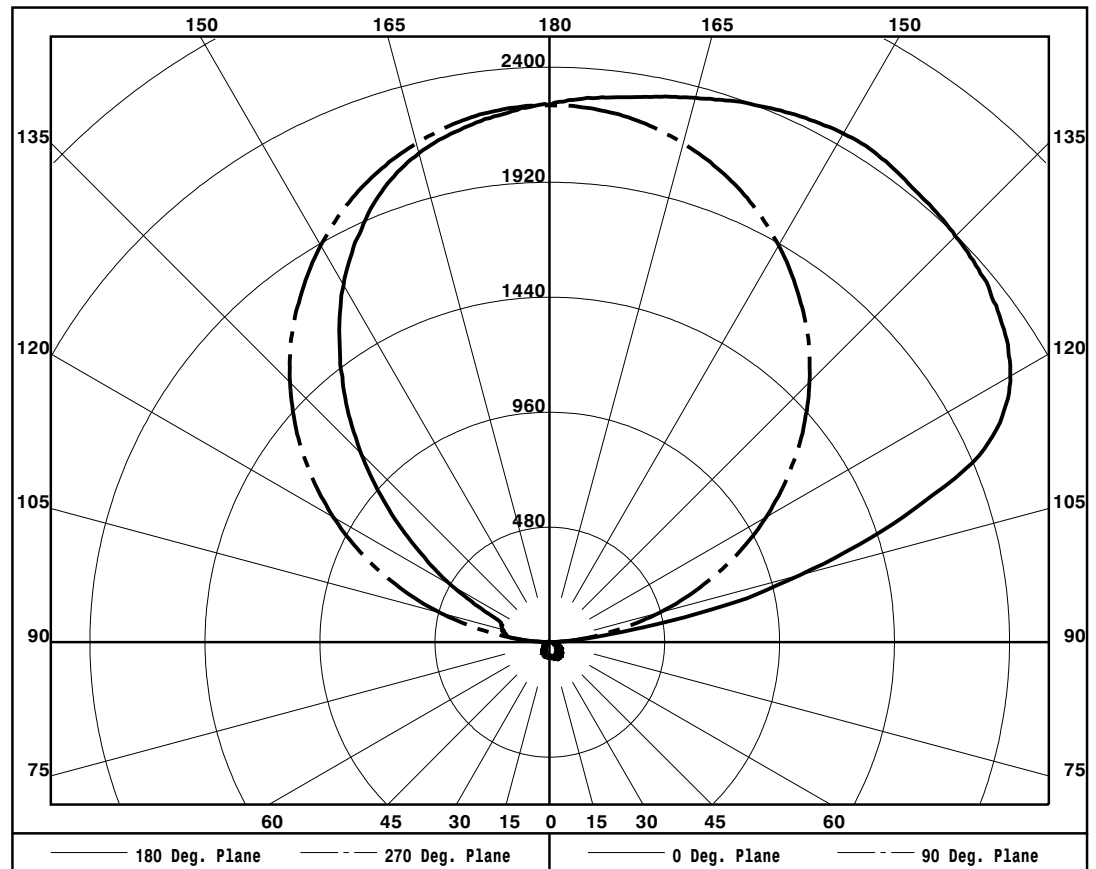
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ZONAL LUMEN SUMMARY

0- 5	2.
5- 10	4.
10- 15	7.
15- 20	10.
20- 25	12.
25- 30	14.
30- 35	16.
35- 40	17.
40- 45	17.
45- 50	16.
50- 55	16.
55- 60	15.
60- 65	13.
65- 70	12.
70- 75	10.
75- 80	9.
80- 85	6.
85- 90	5.
90- 95	25.
95-100	138.
100-105	275.
105-110	390.
110-115	483.
115-120	552.
120-125	601.
125-130	631.
130-135	644.
135-140	641.
140-145	618.
145-150	577.
150-155	518.
155-160	444.
160-165	358.
165-170	262.
170-175	160.
175-180	54.

PLANE:	0-DEG	90-DEG
LUMINOUS LENGTH:	2.000	46.500
HEIGHT OF SIDE:	1.125	0.000

LUMINANCE IN CANDELA PER SQUARE METER			
ANGLE	AVERAGE	AVERAGE	AVERAGE
IN DEG	0-DEG	45-DEG	90-DEG
0	1717.	1717.	1717.
45	1056.	1151.	1734.
55	900.	975.	1568.
65	734.	842.	1483.
75	540.	566.	1369.
85	422.	454.	2189.







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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

Table with columns for RC, RW, and various reflectance values (80, 70, 50, 30, 10, 0) and rows for different cavity heights (0-10).

NOTE: THE ZONAL CAVITY CALCULATION TECHNIQUE IS ACCURATE WHEN LUMINAIRES WITH SYMMETRIC CANDELA DISTRIBUTIONS ARE EMPLOYED AND WHEN THE LUMINAIRES ARE LOCATED SYMMETRICALLY THROUGHOUT THE ROOM. THIS UNIT HAS SPECIAL CHARACTERISTICS AND THEREFORE THESE COEFFICIENTS SHOULD BE USED WITH CAUTION.

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.



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INITIAL ILLUMINATION OF 50 FOOTCANDLES USING LTL TEST NUMBER 06292  
 LUMINAIRE SUSPENSION LENGTH = 1.5  
 WORKING PLANE HEIGHT = 2.50  
 FLOOR REFLECTANCE = 20

ROOM HT		8				9				10				12			
CEIL RF		80		70		80		70		80		70		80		70	
WALL RF		70	50	50	30	70	50	50	30	70	50	50	30	70	50	50	30
WIDTH	LENGTH																
10.	10.	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3
10.	15.	2	2	2	3	2	2	3	3	2	2	3	3	2	3	3	4
15.	20.	3	3	4	4	3	4	4	4	3	4	4	5	4	4	5	6
15.	30.	4	5	5	6	4	5	6	6	5	5	6	7	5	6	7	8
20.	20.	4	4	5	5	4	4	5	5	4	5	5	6	5	5	6	7
20.	30.	5	6	7	7	6	6	7	7	6	6	7	8	6	7	8	9
20.	40.	7	7	8	9	7	8	9	9	7	8	9	10	8	9	10	11
20.	60.	10	10	12	13	10	11	13	13	10	11	13	14	11	12	14	16
30.	30.	8	8	9	10	8	8	10	10	8	9	10	11	8	9	11	12
30.	40.	10	10	12	12	10	11	12	13	10	11	13	14	11	12	14	15
30.	50.	12	13	14	15	12	13	15	16	13	13	16	16	13	14	17	18
30.	60.	14	15	17	18	14	15	18	19	15	16	18	19	15	17	20	21
60.	60.	27	28	32	33	27	28	33	34	28	29	34	35	29	30	35	37
60.	80.	35	36	42	43	36	37	43	44	36	38	44	46	37	39	46	48
60.	100.	44	45	52	53	45	46	53	55	45	47	54	56	46	49	56	59
100.	100.	72	73	85	86	73	74	86	88	73	75	88	90	75	78	90	93

QUANTITY OF LUMINAIRES