



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: 08693

DATE: 02-10-2005

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CATALOG NUMBER: LMSI/D03-PH-LI/PB-T5HO

LUMINAIRE: EXTRUDED ALUMINUM HOUSING WITH PERFORATED SECTIONS AND TRANSLUCENT WHITE ACRYLIC INSERTS, FORMED SPECULAR ALUMINUM REFLECTORS, 15 CELL, 1-3/8" DEEP, FORMED SEMI-SPECULAR ALUMINUM LOUVER WITH TRANSLUCENT WHITE ACRYLIC OVERLAY, FORMED SPECULAR ALUMINUM UPPER REFLECTOR SURROUNDING MIDDLE LAMP.

LAMPS: THREE HORIZONTAL 54 WATT HIGH OUTPUT T5 LINEAR FLUORESCENT LAMPS RATED AT 4400 LUMENS EACH.

LAMP CATALOG NUMBER: PHILIPS F54T5/841/HO/ALTO

BALLASTS: TWO UNIVERSAL LIGHTING TECHNOLOGIES B254PUNV-D

MOUNTING: PENDANT

LUMEN TO CANDELA RATIO USED = 9.18

TOTAL INPUT WATTS = 168.6 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
0	888	888	888	888	888
5	879	881	885	880	878
15	828	836	841	846	855
25	760	751	760	766	784
35	653	642	649	659	680
45	518	511	510	525	546
55	358	348	350	363	386
65	70	93	131	158	183
75	7	17	26	33	42
85	0	2	15	20	20
90	0	1	8	17	18
95	46	53	54	61	66
105	284	609	522	409	362
115	556	949	1238	1085	1025
125	806	1250	1569	1802	1832
135	1050	1411	1788	1939	2016
145	1246	1483	1881	2069	2120
155	1403	1524	1774	1968	2040
165	1505	1543	1648	1741	1779
175	1561	1564	1575	1583	1588
180	1570	1570	1570	1570	1570

FLUX

84
237
352
411
396
316
132
30
12
76
490
1014
1328
1293
1116
808
468
151

ZONAL LUMEN SUMMARY

ZONE	LUMENS	%LAMP
0- 30	672	5.1
0- 40	1083	8.2
0- 60	1795	13.6
0- 90	1969	14.9
90-120	1580	12.0
90-130	2907	22.0
90-150	5317	40.3
90-180	6744	51.1
0-180	8712	66.0

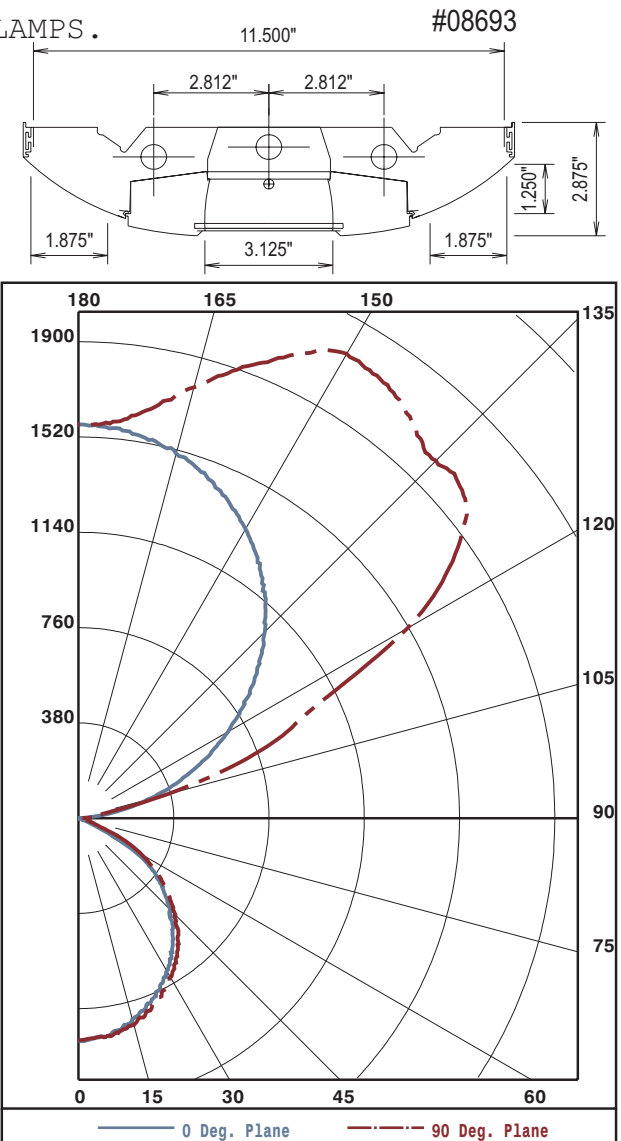
%FIXT
7.7
12.4
20.6
22.6
18.1
33.4
61.0
77.4
100.0

TOTAL LUMINAIRE EFFICIENCY: 66.0%

CIE TYPE: SEMI-INDIRECT

PLANE: 0-DEG 90-DEG

SPACING CRITERIA: 1.2 1.2



TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

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



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: 08693

DATE: 02-10-2005

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

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

Table with columns RC, RW, and rows for cavity ratios 80, 70, 50, 30, 10, 0. Each row contains 19 numerical values representing utilization coefficients.

PLANE: 0-DEG 90-DEG
LUMINOUS LENGTH: 46.750 11.625
HEIGHT OF SIDE: 0.000 1.250

LUMINANCE IN CANDELA PER SQUARE METER
Table with columns ANGLE IN DEG, AVERAGE 0-DEG, AVERAGE 45-DEG, AVERAGE 90-DEG and rows for angles 0, 45, 55, 65, 75, 85.



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: 08693

DATE: 02-10-2005

PREPARED FOR: PRECISION ARCHITECTURAL LIGHTING

CANDELA DISTRIBUTION

Table with 6 columns of candela values for various angles from 0 to 180 degrees.

ZONAL LUMEN SUMMARY

Table with 2 columns showing lumen values for various zones from 0-5 to 175-180 degrees.

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.