



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: 04982

DATE: 01-01-2000

PREPARED FOR: LUMINAIRE TESTING LABORATORY, INC.

CATALOG NUMBER: SAMPLE ROADWAY TEST

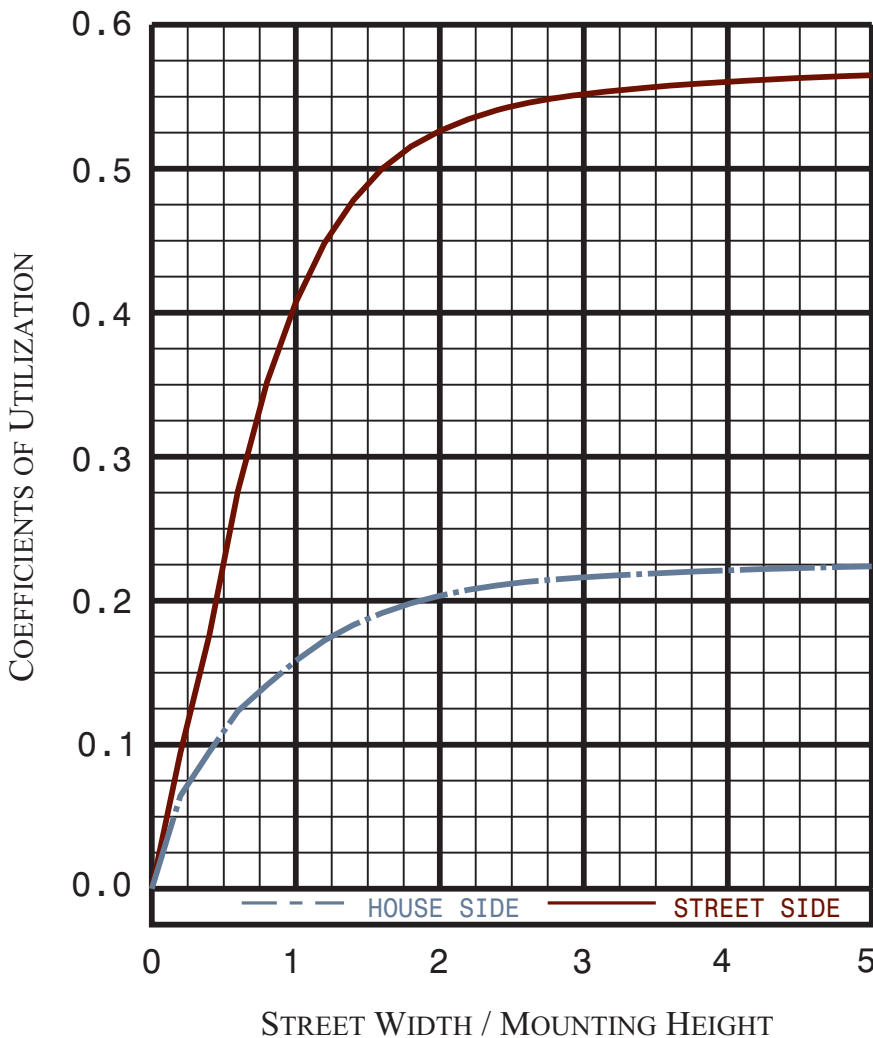
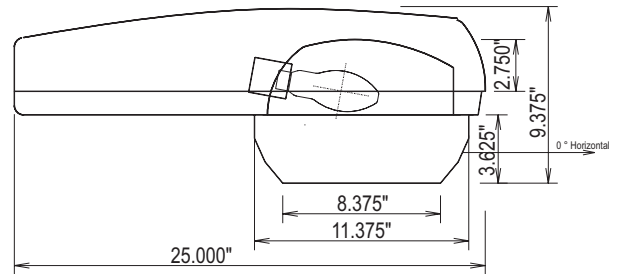
LUMINAIRE: CAST ALUMINUM HOUSING, FORMED SEMI-SPECULAR ALUMINUM REFLECTOR, CLEAR ACRYLIC PRISMATIC LENS.

LAMP: ONE CLEAR HORIZONTAL S55 150 WATT ED17 HPS RATED AT 15,800 LUMENS.

LAMP CATALOG NUMBER: SYLVANIA LU150/55/MED

ARC TUBE VOLTAGE RISE: 0.9V

#04982



IES CLASSIFICATION: **TYPE III**
LONGITUDINAL CLASSIFICATION: **MEDIUM**
CUTOFF CLASSIFICATION: **NON-CUTOFF**

FLUX DISTRIBUTION

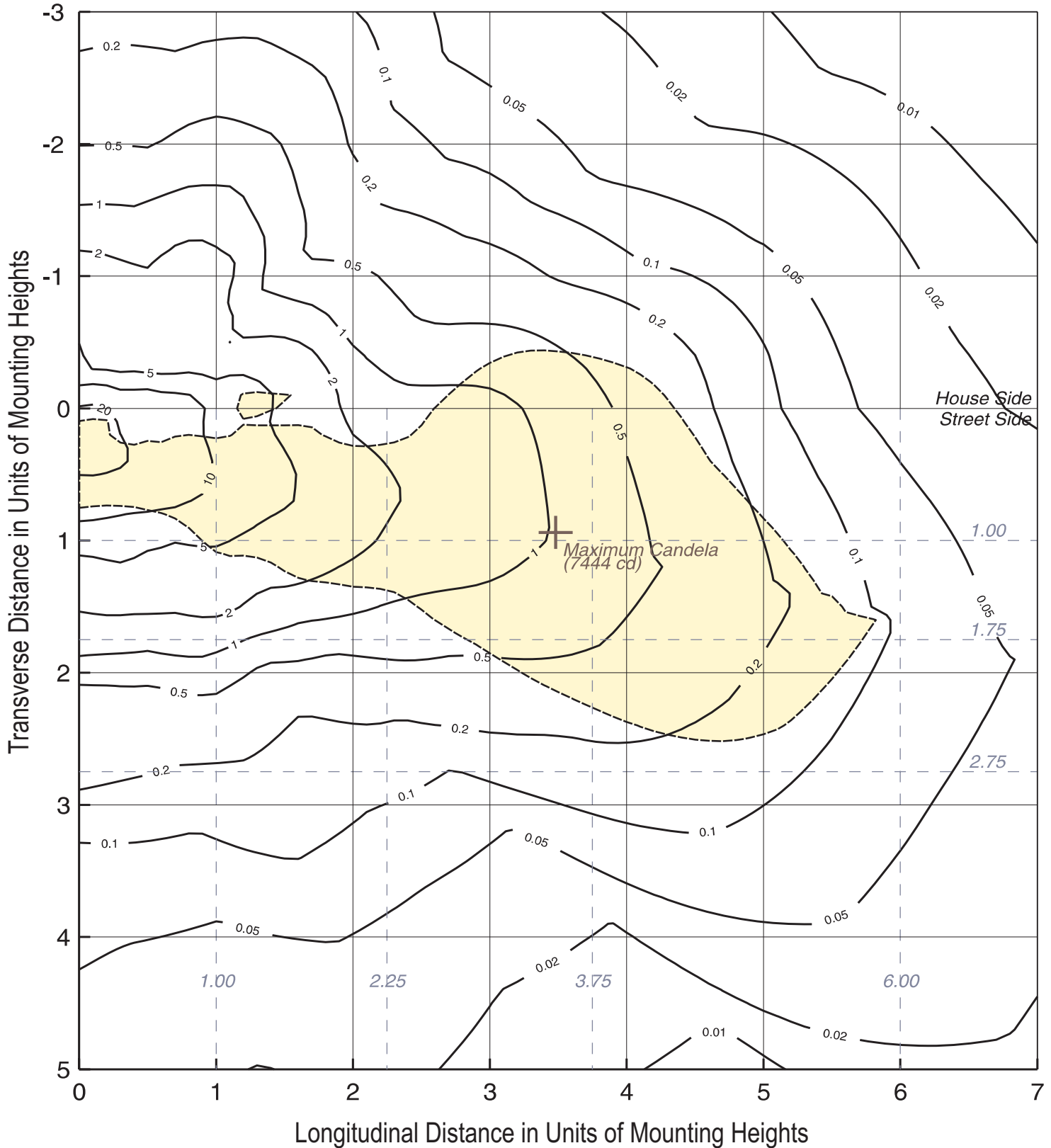
LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	3632 (23.0%)	128 (0.8%)	3761 (23.8%)
STREET SIDE	9069 (57.4%)	248 (1.6%)	9318 (59.0%)
TOTALS	12702 (80.4%)	376 (2.4%)	13079 (82.8%)

TESTED BY HERSCHEL SCHRECK
CHECKED BY MIKE GRATHER

THIS REPORT BASED ON LM-31 AND OTHER PERTINENT IESNA PROCEDURES.



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 12.00 FOOT MOUNTING HEIGHT





CANDELA DISTRIBUTION

Table with 12 columns (0, 5, 15, 25, 35, 45, 55, 65, 74.9, 75, 85) and 19 rows (180, 175, 165, 155, 145, 135, 125, 115, 105, 95, 90, 87.5, 85, 82.5, 80, 77.5, 75, 74.5, 72.5, 70, 67.5, 65, 62.5, 60, 57.5, 55, 52.5, 50, 47.5, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0). The cell at row 74.5, column 74.9 contains the value 7444 in red.

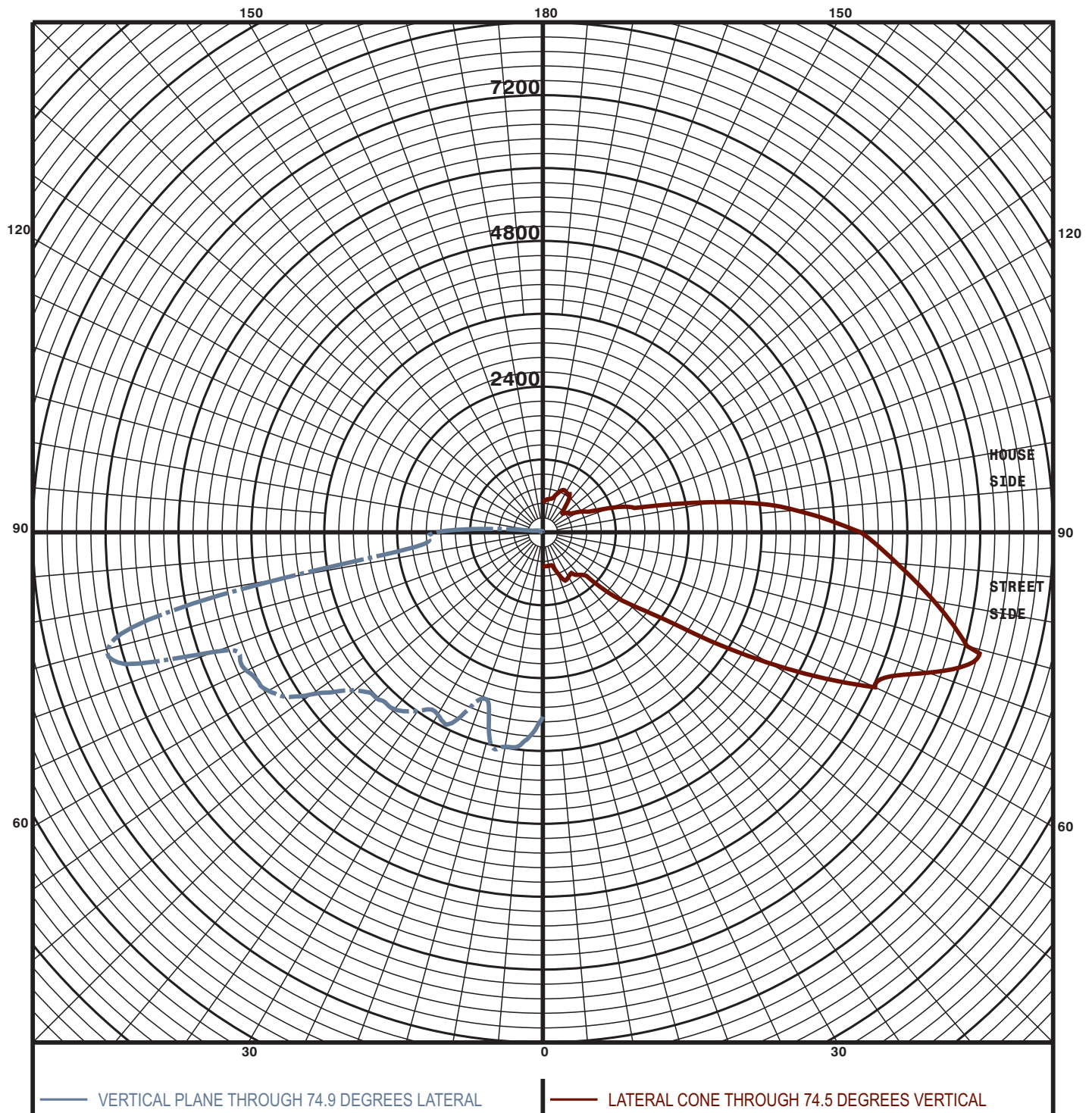


CANDELA DISTRIBUTION

Table with 12 columns (90-180) and 12 rows (180-0) showing Candela Distribution values.



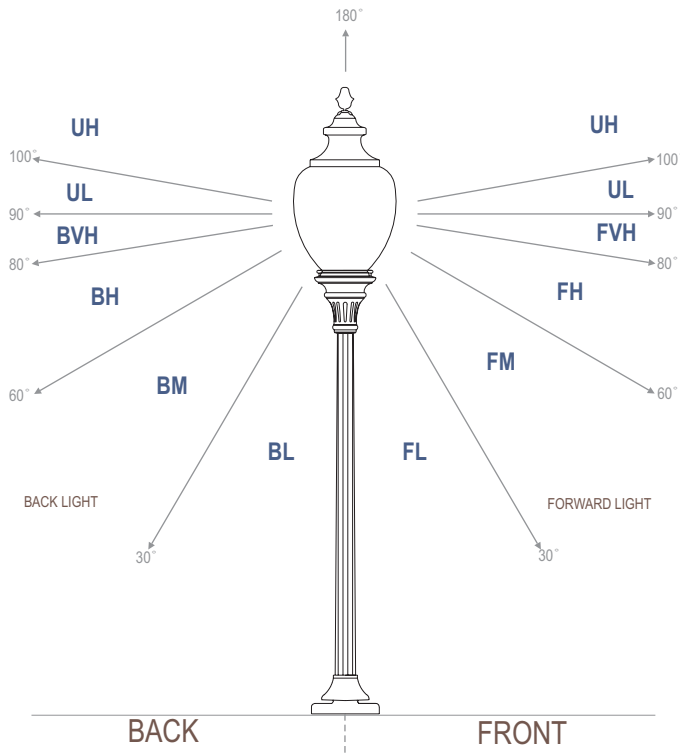
MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



ZONE	LUMINAIRE LUMENS	% OF LAMP LUMENS
FORWARD LIGHT	9070	57.4
FL (0° -30°)	1555	9.8
FM (30° -60°)	4264	27
FH (60° -80°)	2793	17.7
FVH (80° -90°)	457	2.9

BACK LIGHT	3633	23
BL (0° -30°)	617	3.9
BM (30° -60°)	1674	10.6
BH (60° -80°)	1196	7.6
BVH (80° -90°)	147	0.9

UPLIGHT	377	2.4
UL (90° -100°)	229	1.4
UH (100° -180°)	148	0.9

TRAPPED LIGHT	2720	17.2
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