



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: 14177

DATE: 12-03-2008

PREPARED FOR: PRIMELITE MANUFACTURING CORP.

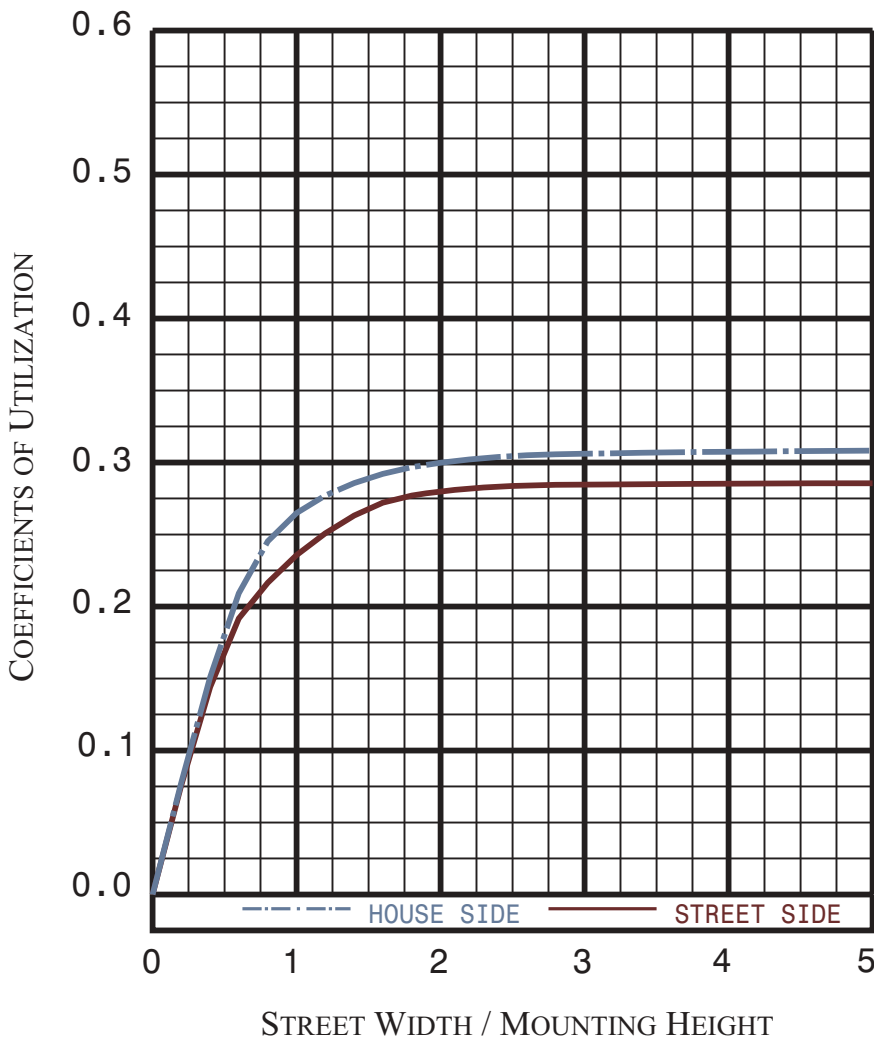
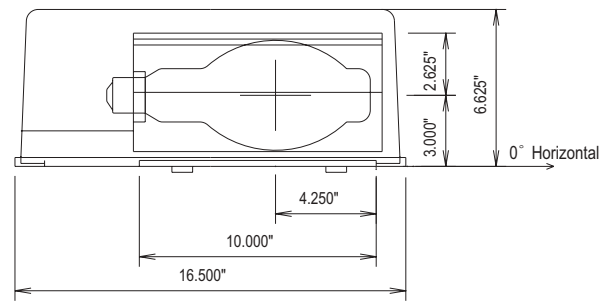
CATALOG NUMBER: 1570

LUMINAIRE: CAST ALUMINUM HOUSING, FORMED SEMI-SPECULAR ALUMINUM REFLECTOR, CLEAR GLASS ENCLOSURE.

LAMP: ONE CLEAR HORIZONTAL M59 400 WATT BT37 METAL HALIDE LAMP RATED AT 32,000 LUMENS

LAMP CATALOG NUMBER: SYLVANIA M400/U

#14177



IES CLASSIFICATION: **AREA LIGHT**
CUTOFF CLASSIFICATION: **CUTOFF**

FLUX DISTRIBUTION

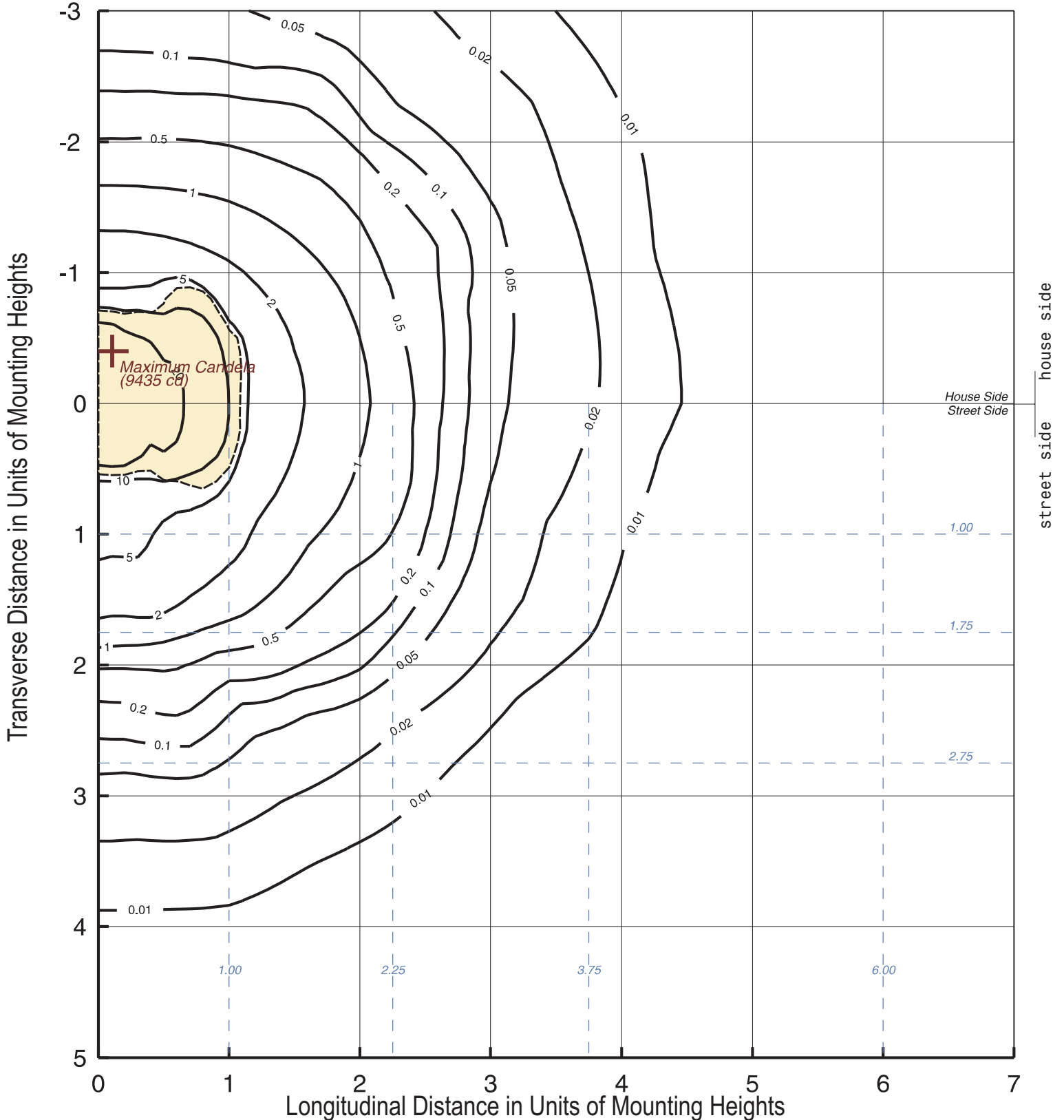
LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	9746.09 (30.5%)	0.00 (0.0%)	9746.09 (30.5%)
STREET SIDE	9097.50 (28.4%)	0.00 (0.0%)	9097.50 (28.4%)
TOTALS	18843.59 (58.9%)	0.00 (0.0%)	18843.59 (58.9%)

Approved By: MG

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



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 15.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR



CANDELA DISTRIBUTION

Table with 12 columns (0-90) and 20 rows (180-0) showing Candela Distribution values.

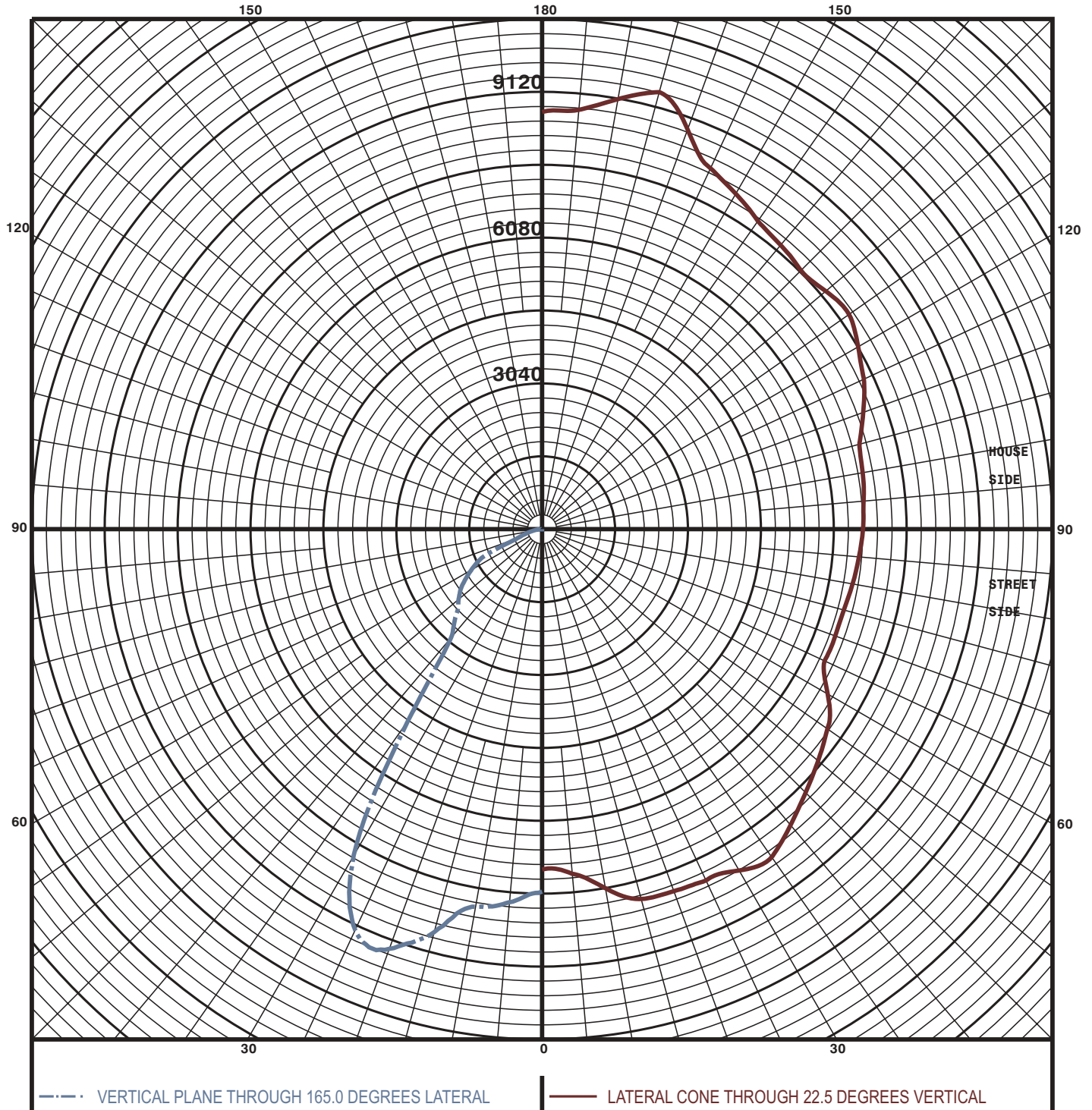


CANDELA DISTRIBUTION

Table with 11 columns (95, 105, 115, 125, 135, 145, 155, 165, 175, 180) and 21 rows (180, 175, 165, 155, 145, 135, 125, 115, 105, 95, 90, 87.5, 85, 82.5, 80, 77.5, 75, 72.5, 70, 67.5, 65, 62.5, 60, 57.5, 55, 52.5, 50, 47.5, 45, 40, 35, 30, 25, 22.5, 20, 15, 10, 5, 0). Values represent candela distribution for various beam angles.

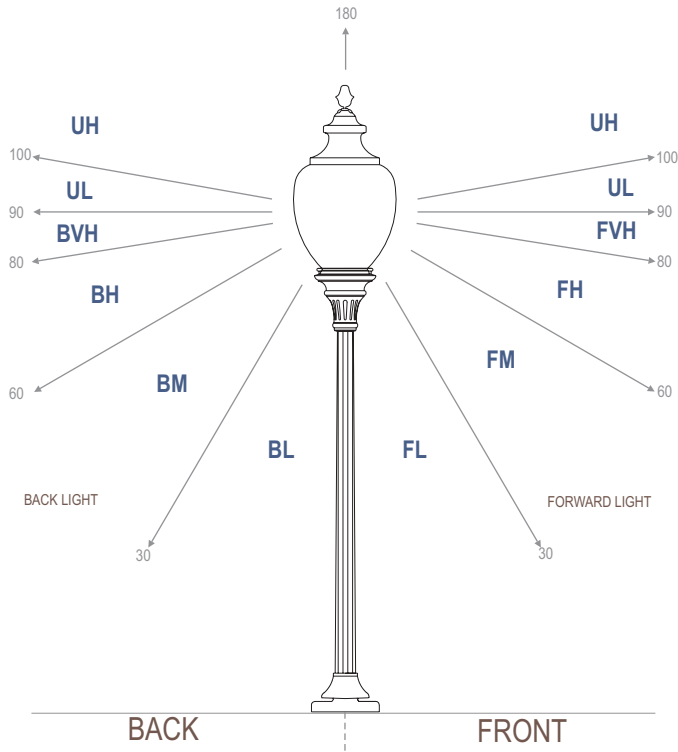


MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM
FLUX



ZONE	LUMINAIRE LUMENS	% OF LAMP LUMENS	
FORWARD LIGHT	9098	28.4	
FL (0° -30°)	3172	9.9	
FM (30° -60°)	4873	15.2	
FH (60° -80°)	1029	3.2	
FVH (80° -90°)	23	0.1	

BACK LIGHT	9746	30.5	
BL (0° -30°)	3395	10.6	
BM (30° -60°)	5166	16.1	
BH (60° -80°)	1141	3.6	
BVH (80° -90°)	44	0.1	

UPLIGHT	0	0	
UL (90° -100°)	0	0	
UH (100° -180°)	0	0	

TRAPPED LIGHT	13156	41.1	
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