



LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING
MEMBER
of the
IESNA

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LTL NUMBER: 15614

DATE: 05-13-2009

PREPARED FOR: LEOTEK ELECTRONICS

CATALOG NUMBER: SLN-084-MV-CW-3M-XX (XX IS THE FINISH COLOR: NUMERICAL NO. FROM 1-9 AND ALPHA NO. FROM A-Z TO DEFINE DIFFERENT FINISH COLOR.

LUMINAIRE: CAST ALUMINUM HOUSING, GREY PLASTIC REFLECTORS, CLEAR PLASTIC ENCLOSURE.

LAMP: 84 WHITE LEDS WITH CLEAR PLASTIC OPTICS

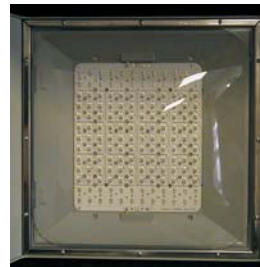
LED POWER SUPPLY: TWO LEOTEK ELECTRONICS CORP. LP1090-24-GG-170

POWER FACTOR: 0.988

ELECTRICAL VALUES: 120.0VAC, 0.6502A, 77.05W

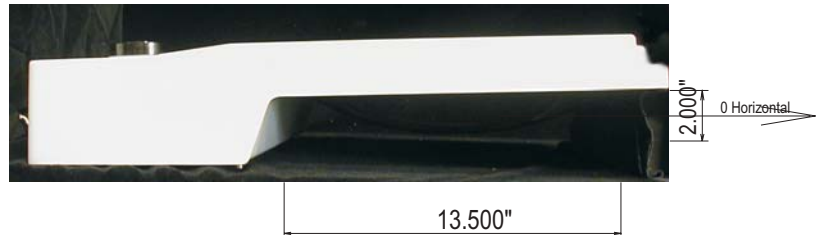
LUMINAIRE EFFICACY: 73.8 LUMENS/WATT

NOTE: THIS TEST WAS PERFORMED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.*



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

**CUTOFF DESIGNATION IS NOT DEFINED FOR ABSOLUTE PHOTOMETRIC TESTS. THIS CUTOFF RATING IS BASED ON THE MAXIMUM CANDELA READING PER LUMINAIRE RATED AT 1000 LUMENS.



FLUX DISTRIBUTION

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	2317.86	2.38	2320.25
STREET SIDE	3363.07	5.75	3368.83
TOTALS	5680.93	8.14	5689.07

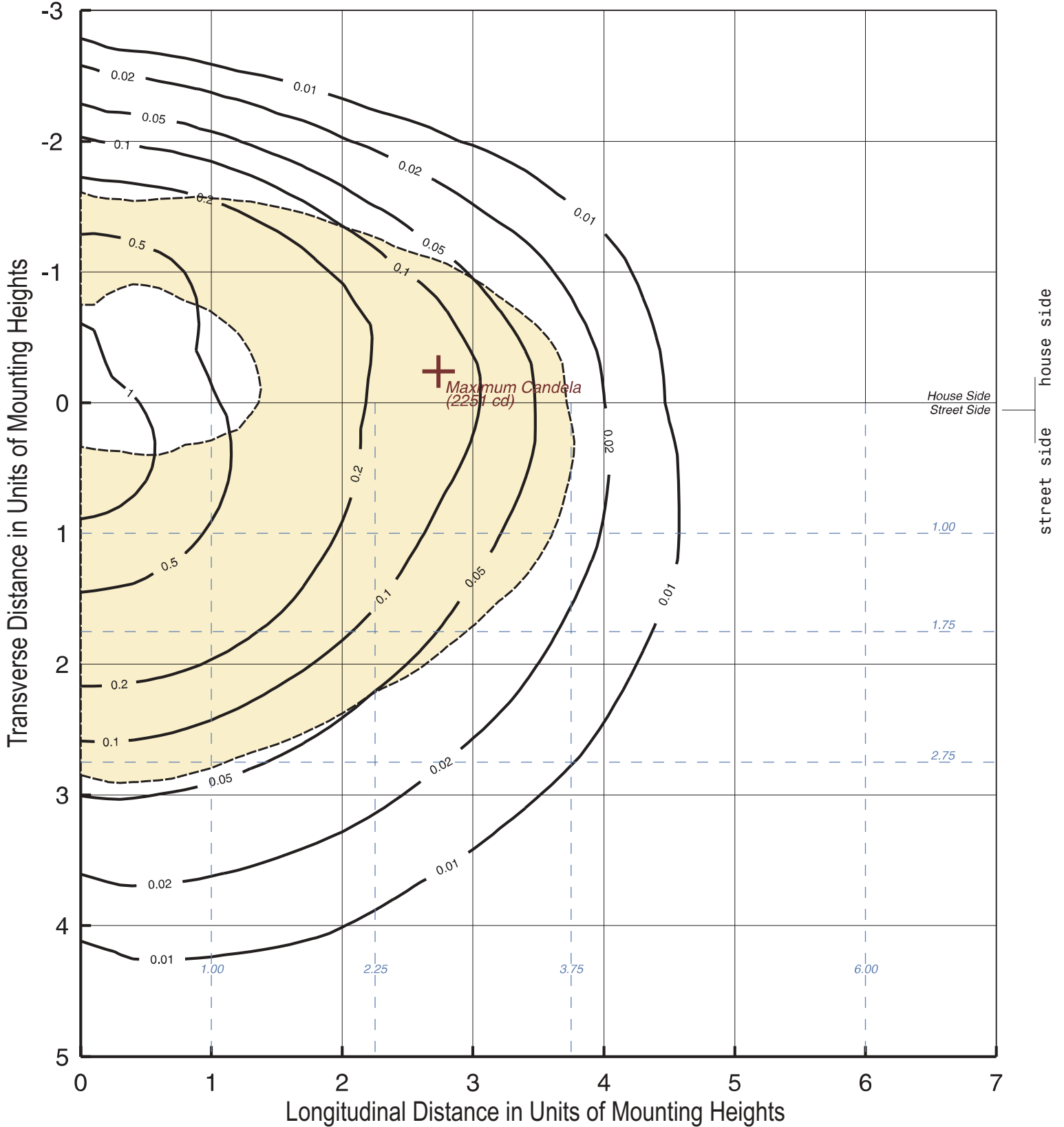
Approved By: MG

*DATA WAS ACQUIRED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY. A UDT MODEL #211 PHOTODETECTOR AND UDT MODEL #S370 OPTOMETER COMBINATION WERE USED AS A STANDARD. A SPECTRAL MISMATCH CORRECTION FACTOR WAS EMPLOYED BASED ON THE SPECTRAL RESPONSIVITY OF THE PHOTODETECTOR AND THE SPECTRAL POWER DISTRIBUTION OF THE TEST SUBJECT.

TESTING WAS PERFORMED IN ACCORDANCE WITH IES LM-79-08.
TEST ANGULAR INCREMENTS AND REPORT FORMATTING WAS BASED ON IES LM-31-95.



ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION VALUES BASED ON 25.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR



CANDELA DISTRIBUTION

Table with 12 columns (0-90) and 21 rows (0-180) showing Candela Distribution values.

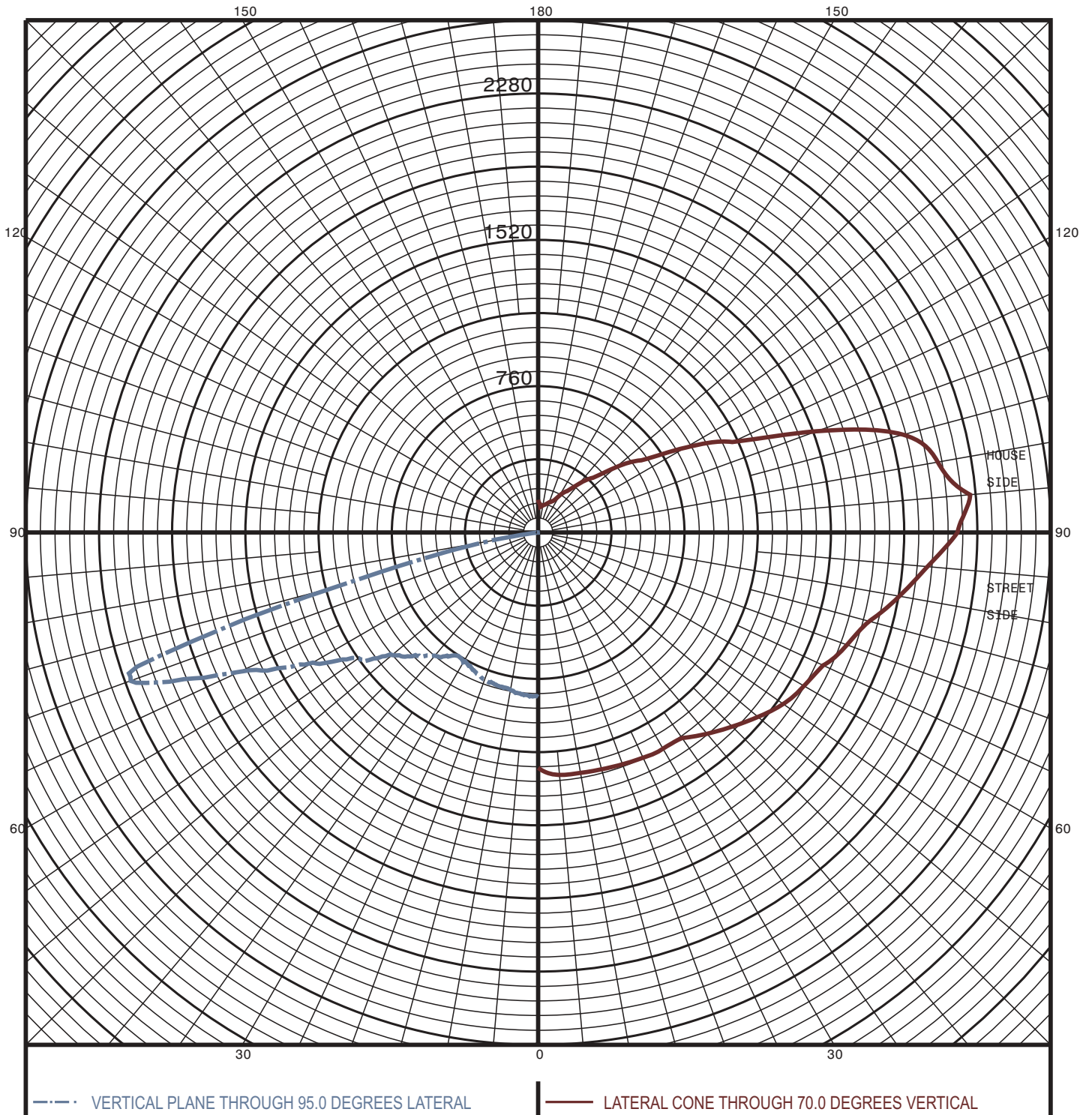


CANDELA DISTRIBUTION

Table with 10 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, 20, 15, 10, 5, 0). Values represent candela distribution for various beam angles.

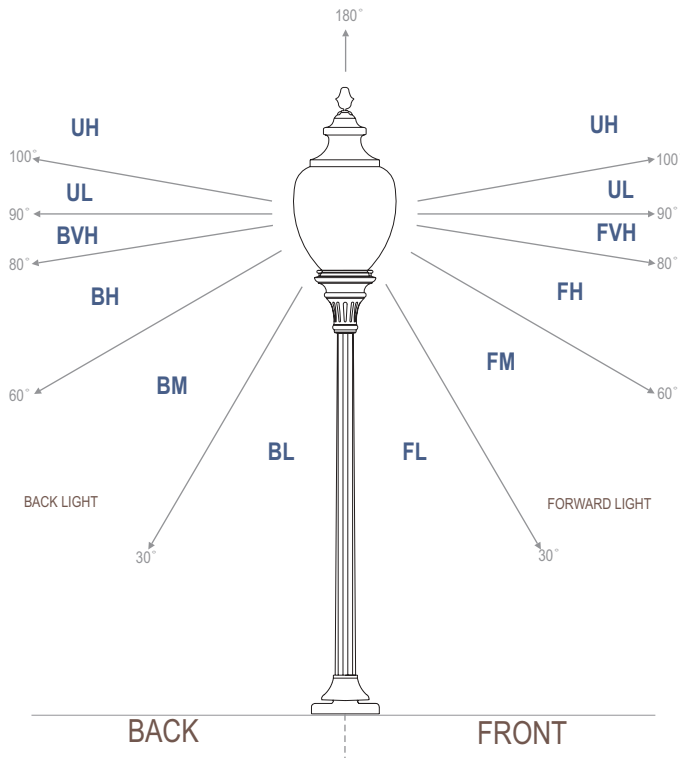


MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM
FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS	
FORWARD LIGHT	3363	59.1	
FL (0°-30°)	429	7.5	
FM (30°-60°)	1553	27.3	
FH (60°-80°)	1326	23.3	
FVH (80°-90°)	55	1	

BACK LIGHT	2318	40.7	
BL (0°-30°)	326	5.7	
BM (30°-60°)	1237	21.7	
BH (60°-80°)	744	13.1	
BVH (80°-90°)	11	0.2	

UPLIGHT	8	0.1	
UL (90°-100°)	5	0.1	
UH (100°-180°)	3	0.1	

TRAPPED LIGHT	NA	NA	
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