



# 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](http://www.LuminaireTesting.com)

LTL NUMBER: 15613

DATE: 05-13-2009

PREPARED FOR: LEOTEK ELECTRONICS

CATALOG NUMBER: SLN-036-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: 36 WHITE LEDS WITH CLEAR PLASTIC OPTICS

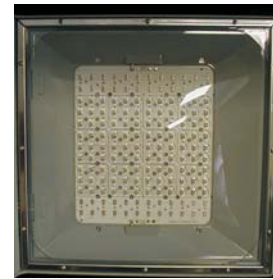
LED POWER SUPPLY: ONE LEOTEK ELECTRONICS CORP. LP1090-24-GG-170

POWER FACTOR: 0.987

ELECTRICAL VALUES: 120.0VAC, 0.3157A, 37.39W

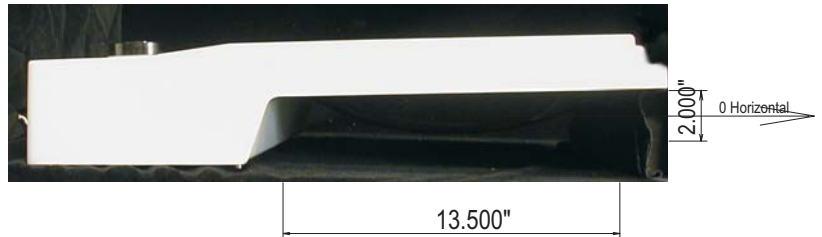
LUMINAIRE EFFICACY: 71.0 LUMENS/WATT

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	1097.48	0.35	1097.83
STREET SIDE	1554.85	1.83	1556.68
TOTALS	2652.33	2.18	2654.52

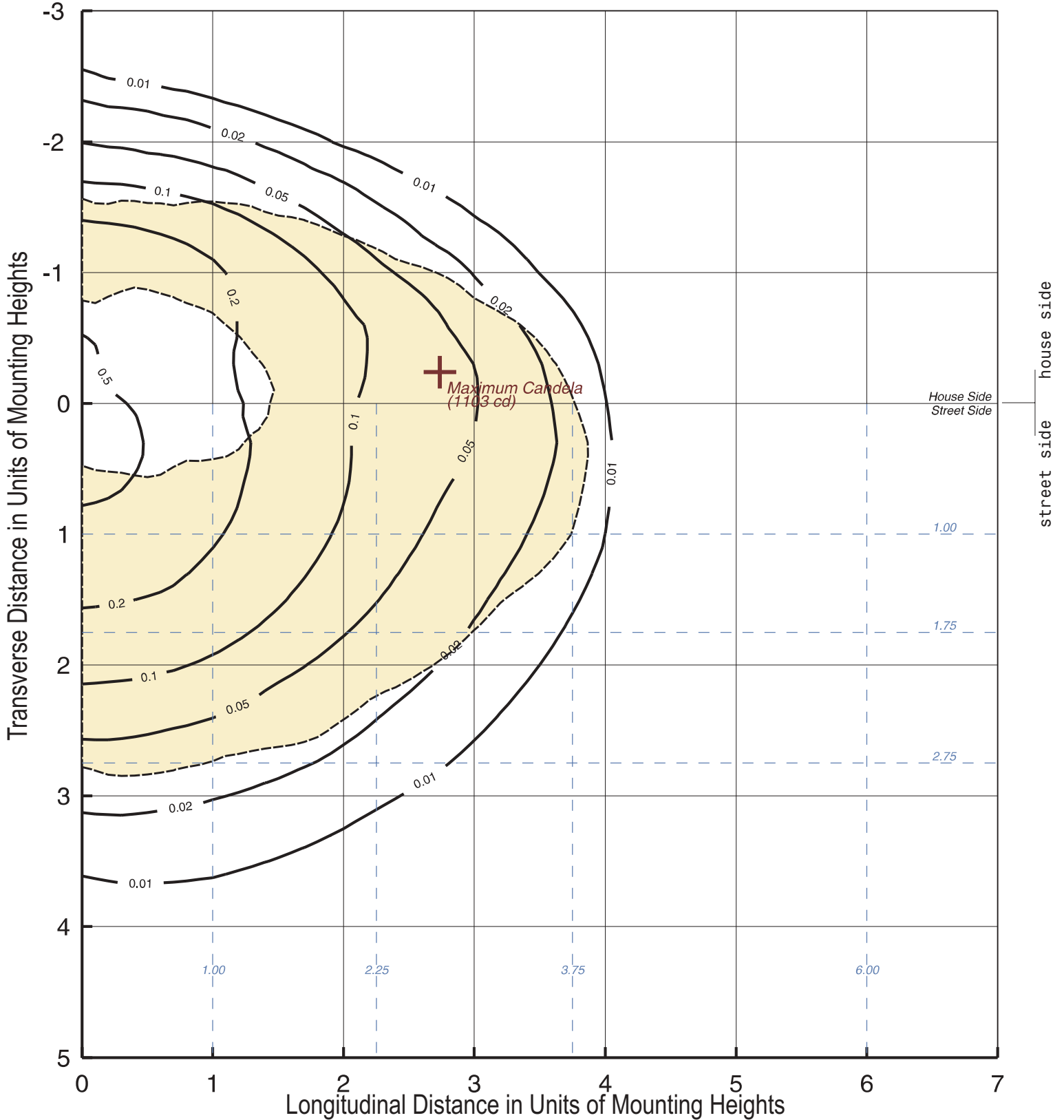
Approved By: MG

\*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.

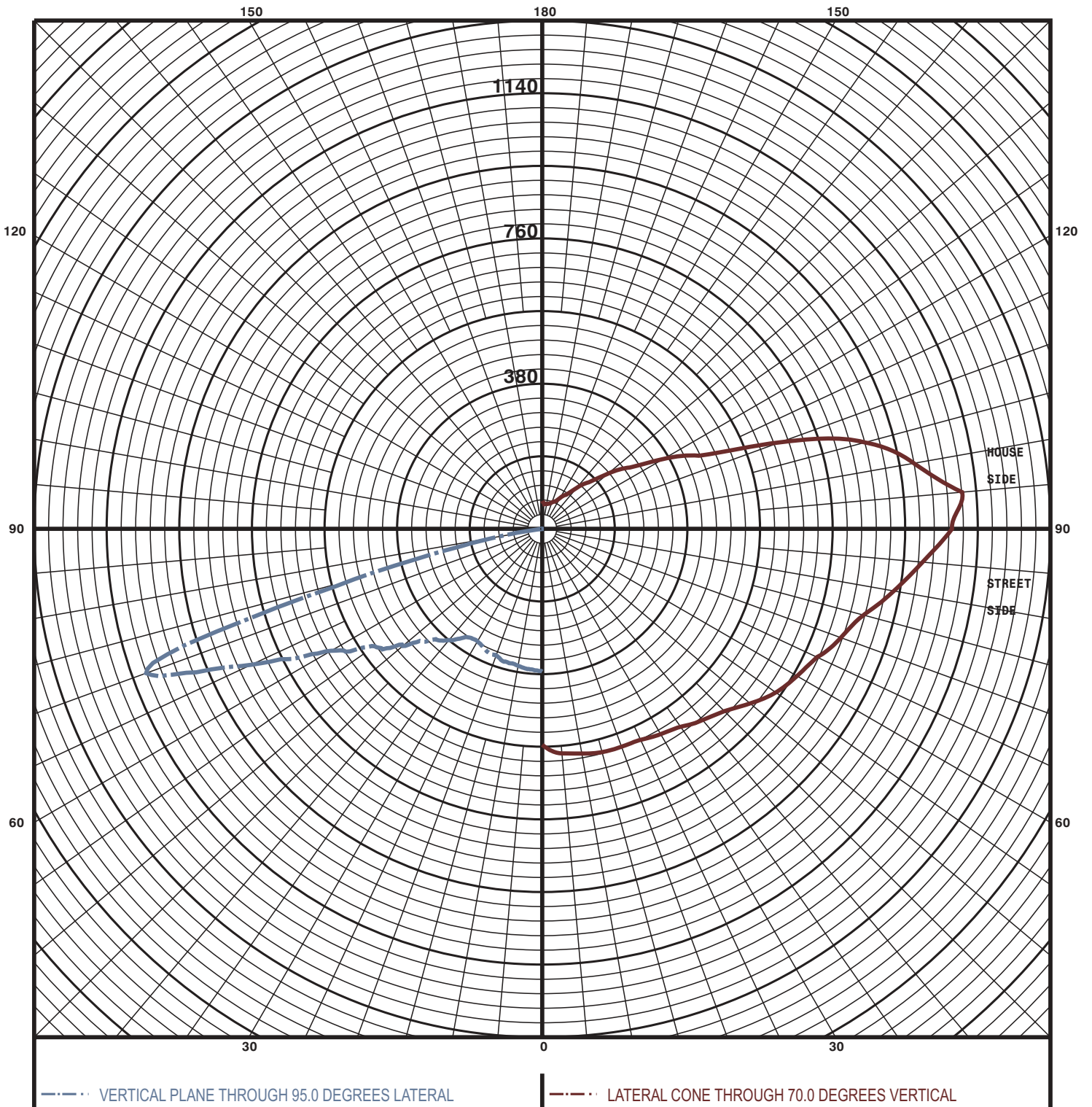


CANDELA DISTRIBUTION

Table with 11 columns (95-180) and 21 rows (180-0) showing Candela Distribution values.

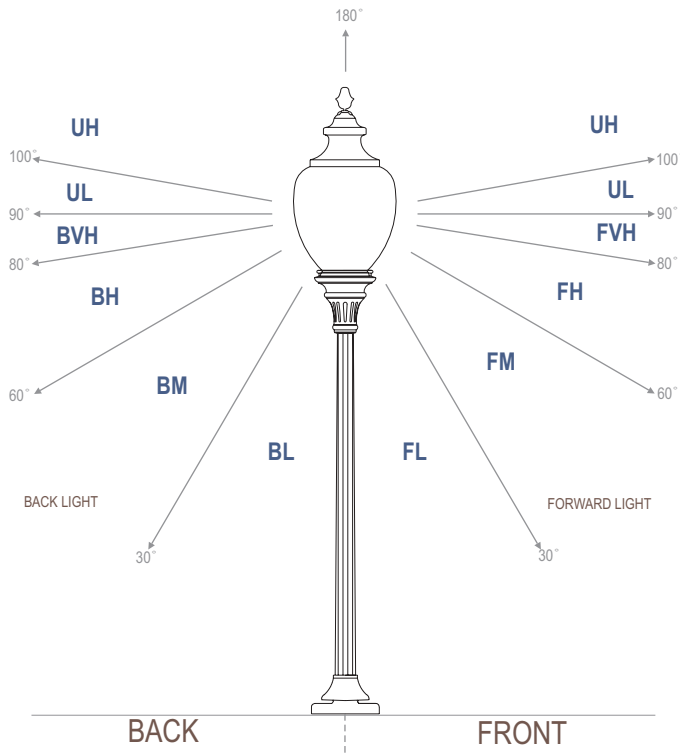


MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM  
FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS
FORWARD LIGHT	1555	58.6
FL ( 0° -30° )	190	7.1
FM (30° -60°)	703	26.5
FH (60° -80°)	638	24
FVH (80° -90°)	25	0.9

BACK LIGHT	1097	41.3
BL ( 0° -30° )	148	5.6
BM (30° -60°)	600	22.6
BH (60° -80°)	344	13
BVH (80° -90°)	5	0.2

UPLIGHT	2	0.1
UL (90° -100°)	2	0.1
UH (100° -180°)	0	0

TRAPPED LIGHT	NA	NA
---------------	----	----

