



# 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: 15235

DATE: 04-03-2009

PREPARED FOR: LEOTEK ELECTRONICS USA CORP

CATALOG NUMBER: SLN-048-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, GRAY PLASTIC REFELCTORS, CLEAR PLASTIC ENCLOSURE.

LAMP: 48 WHITE LEDS WITH CLEAR PLASTIC OPTICS BELOW EACH.

LED POWER SUPPLY: ONE LEOTEK ELECTRONICS LLP1090-24-GG-170

POWER FACTOR: 0.991

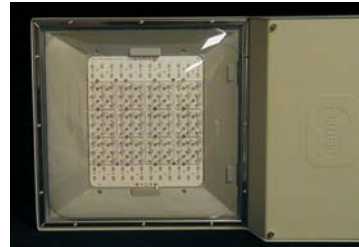
ELECTRICAL VALUES: 120.0VAC, 0.4130A, 49.10W

LUMINAIRE EFFICACY: 69.0 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.



0 Horizontal

## FLUX DISTRIBUTION

LUMENS	DOWNWARD	UPWARD	TOTALS
HOUSE SIDE	1372.19	0.61	1372.80
STREET SIDE	2012.88	3.08	2015.96
TOTALS	3385.07	3.70	3388.77

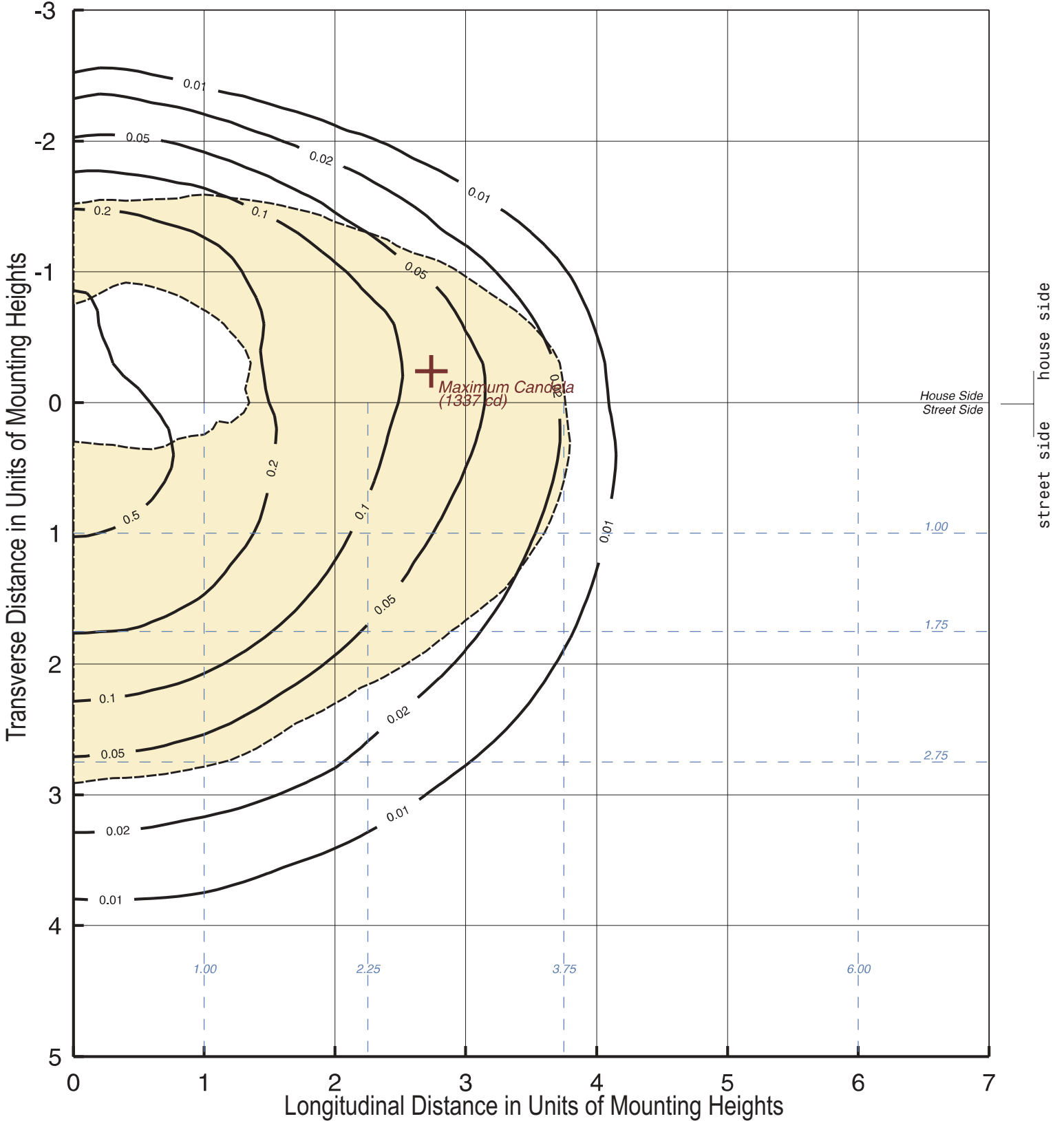
Approved By: MG

\*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

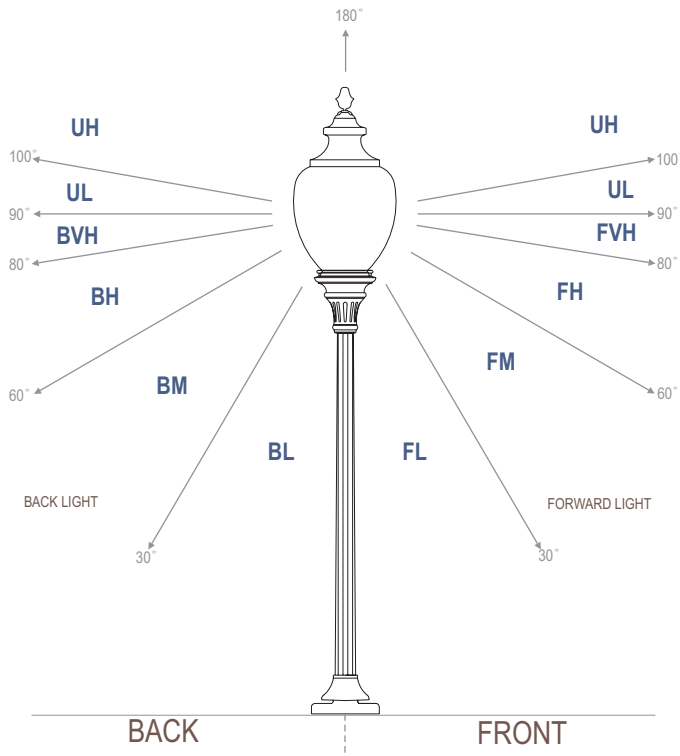
Table with 11 columns (95, 105, 115, 125, 135, 145, 155, 165, 175, 180) and 21 rows (180, 175, 165, 155, 145, 135, 125, 115, 105, 95, 90, 87.5, 85, 82.5, 80, 77.5, 75, 72.5, 70, 67.5, 65, 62.5, 60, 57.5, 55, 52.5, 50, 47.5, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0). Each cell contains a numerical value representing candela distribution.





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS	
FORWARD LIGHT	2013	59.4	
FL ( 0°-30°)	262	7.7	
FM (30°-60°)	940	27.7	
FH (60°-80°)	778	22.9	
FVH (80°-90°)	33	1	

BACK LIGHT	1372	40.5	
BL ( 0°-30°)	192	5.7	
BM (30°-60°)	726	21.4	
BH (60°-80°)	447	13.2	
BVH (80°-90°)	7	0.2	

UPLIGHT	4	0.1	
UL (90°-100°)	3	0.1	
UH (100°-180°)	1	0	

TRAPPED LIGHT	NA	NA	
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