



LUMINAIRE TESTING LABORATORY, INC.

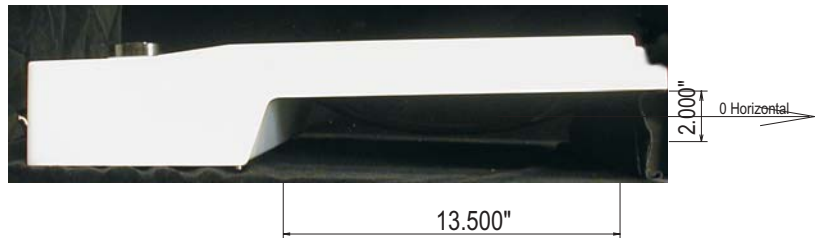
SUSTAINING MEMBER of the IESNA

905 Harrison Street · Allentown, PA 18103 · 610-770-1044 · Fax 610-770-8912 · www.LuminaireTesting.com

LTL NUMBER: 15615 DATE: 05-13-2009
PREPARED FOR: LEOTEK ELECTRONICS
CATALOG NUMBER: SLN-156-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: 156 WHITE LEDS WITH CLEAR PLASTIC OPTICS
LED POWER SUPPLIES: TWO LEOTEK ELECTRONICS CORP. LP1090-24-GG-170
POWER FACTOR: 0.990
ELECTRICAL VALUES: 120.0VAC, 1.2130A, 144.11W
LUMINAIRE EFFICACY: 67.5 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

Table with 4 columns: LUMENS, DOWNWARD, UPWARD, TOTALS. Rows include HOUSE SIDE, STREET SIDE, and TOTALS.

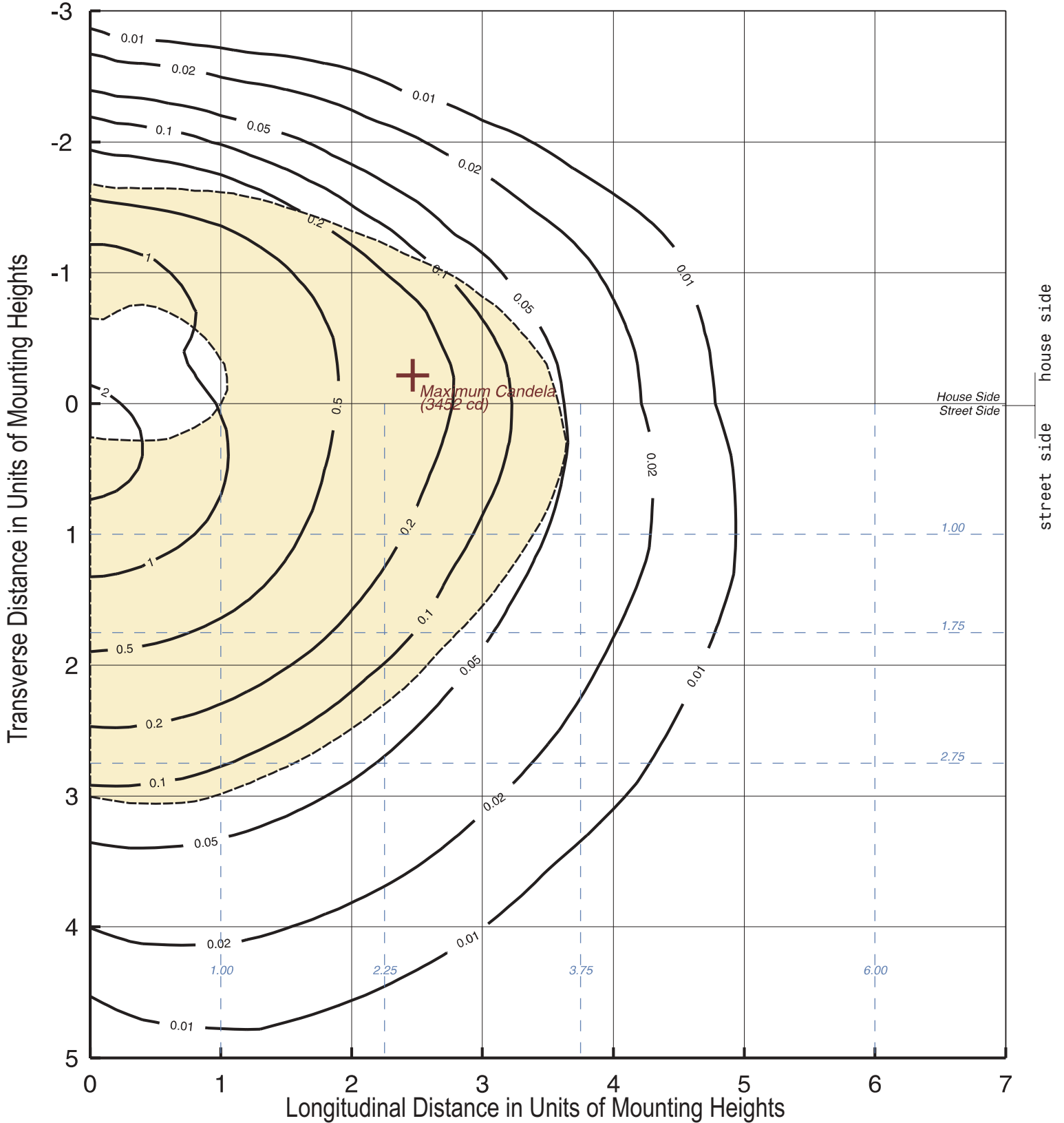
Approved By: [Signature]

\*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.



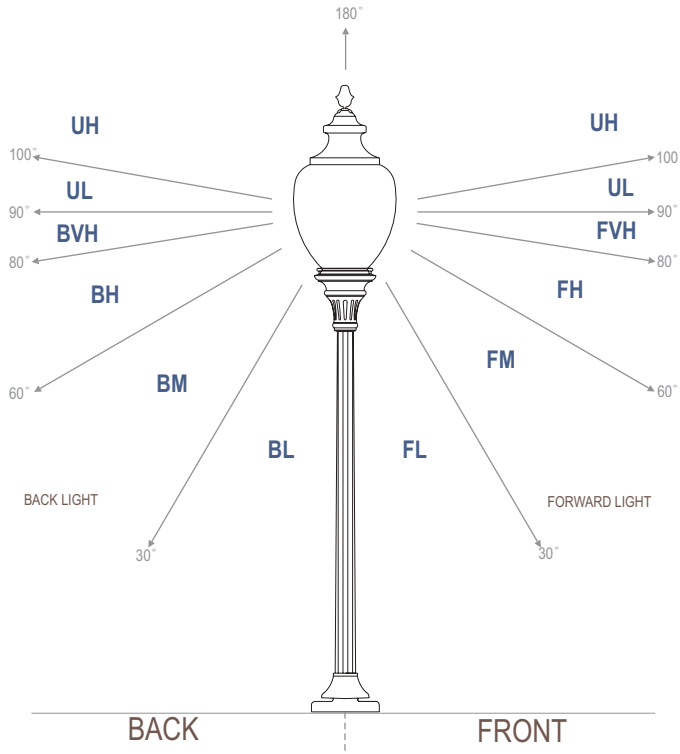
CANDELA DISTRIBUTION

Table with 11 columns (95, 105, 115, 125, 135, 145, 155, 165, 175, 180) and 19 rows (180, 175, 165, 155, 145, 135, 125, 115, 105, 95, 90, 87.5, 85, 82.5, 80, 77.5, 75, 72.5, 70, 68, 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.





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM  
**FLUX**



| ZONE           | LUMINAIRE LUMENS | % OF LUMINAIRE LUMENS |  |
|----------------|------------------|-----------------------|--|
| FORWARD LIGHT  | 5711             | 58.7                  |  |
| FL ( 0° -30° ) | 705              | 7.2                   |  |
| FM (30° -60°)  | 2711             | 27.9                  |  |
| FH (60° -80°)  | 2199             | 22.6                  |  |
| FVH (80° -90°) | 96               | 1                     |  |

|                |      |      |  |
|----------------|------|------|--|
| BACK LIGHT     | 4007 | 41.2 |  |
| BL ( 0° -30° ) | 538  | 5.5  |  |
| BM (30° -60°)  | 2257 | 23.2 |  |
| BH (60° -80°)  | 1191 | 12.2 |  |
| BVH (80° -90°) | 21   | 0.2  |  |

|                 |    |     |  |
|-----------------|----|-----|--|
| UPLIGHT         | 14 | 0.1 |  |
| UL (90° -100°)  | 8  | 0.1 |  |
| UH (100° -180°) | 5  | 0.1 |  |

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

