



LUMINAIRE TESTING LABORATORY, INC.

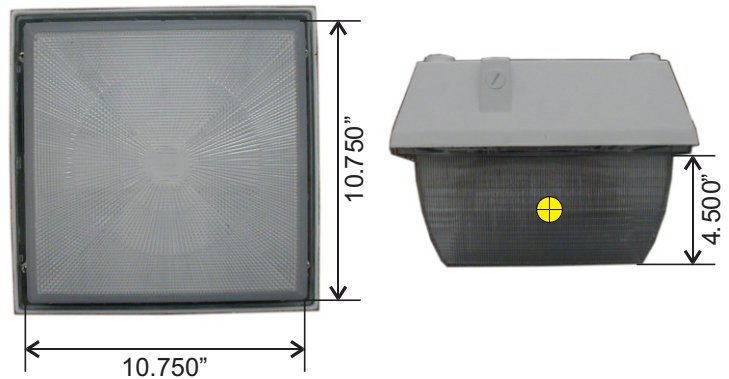
SUSTAINING MEMBER of the IESNA

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

LTL NUMBER: 21906 DATE: 2010-12-17
PREPARED FOR: EVOLUCIA
CATALOG NUMBER: CAN12/55-OW/D5/PC/CM/277
LUMINAIRE: CAST WHITE ENAMEL ALUMINUM HOUSING, EXTRUDED ALUMINUM HEATSINKS, FORMED WHITE ENAMEL ALUMINUM REFLECTOR, CLEAR PRISMATIC PLASTIC ENCLOSURE.
LAMP: 20 WHITE LEDS
LED POWER SUPPLIES: TWO EVOLUCIA LDD25-36-C0700
ELECTRICAL VALUES: 277.0VAC, 0.1933A, 50.48W, PF=0.943
LUMINAIRE EFFICACY: 50.4 LUMENS/WATT
NOTE: THIS TEST WAS PERFORMED USING THE CALIBRATED PHOTODETECTOR METHOD OF ABSOLUTE PHOTOMETRY.*
MOUNTING: SURFACE

IES CLASSIFICATION: AREA LIGHT
CUTOFF CLASSIFICATION: SEMI-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.

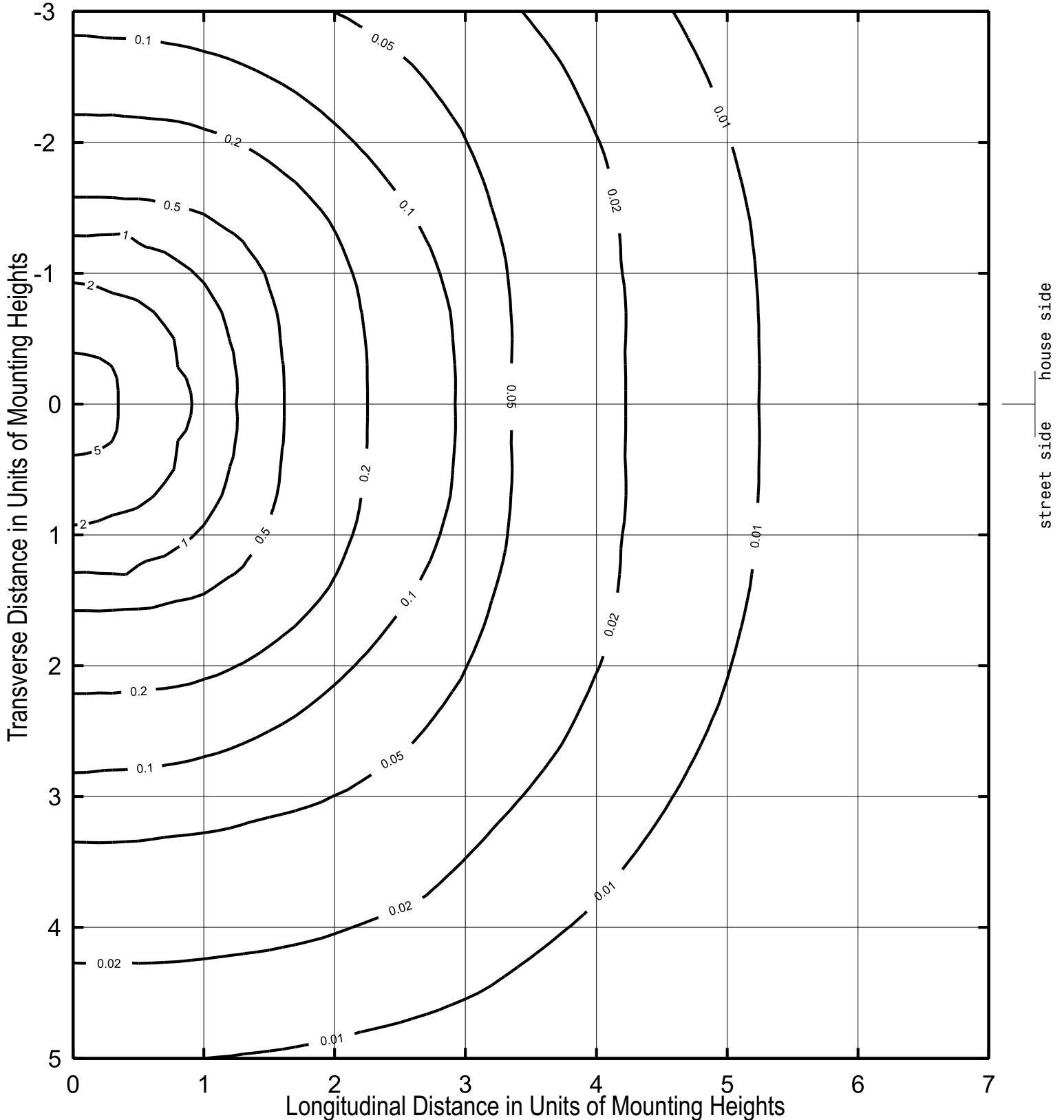
Approved By: [Signature]

*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.

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 10.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR

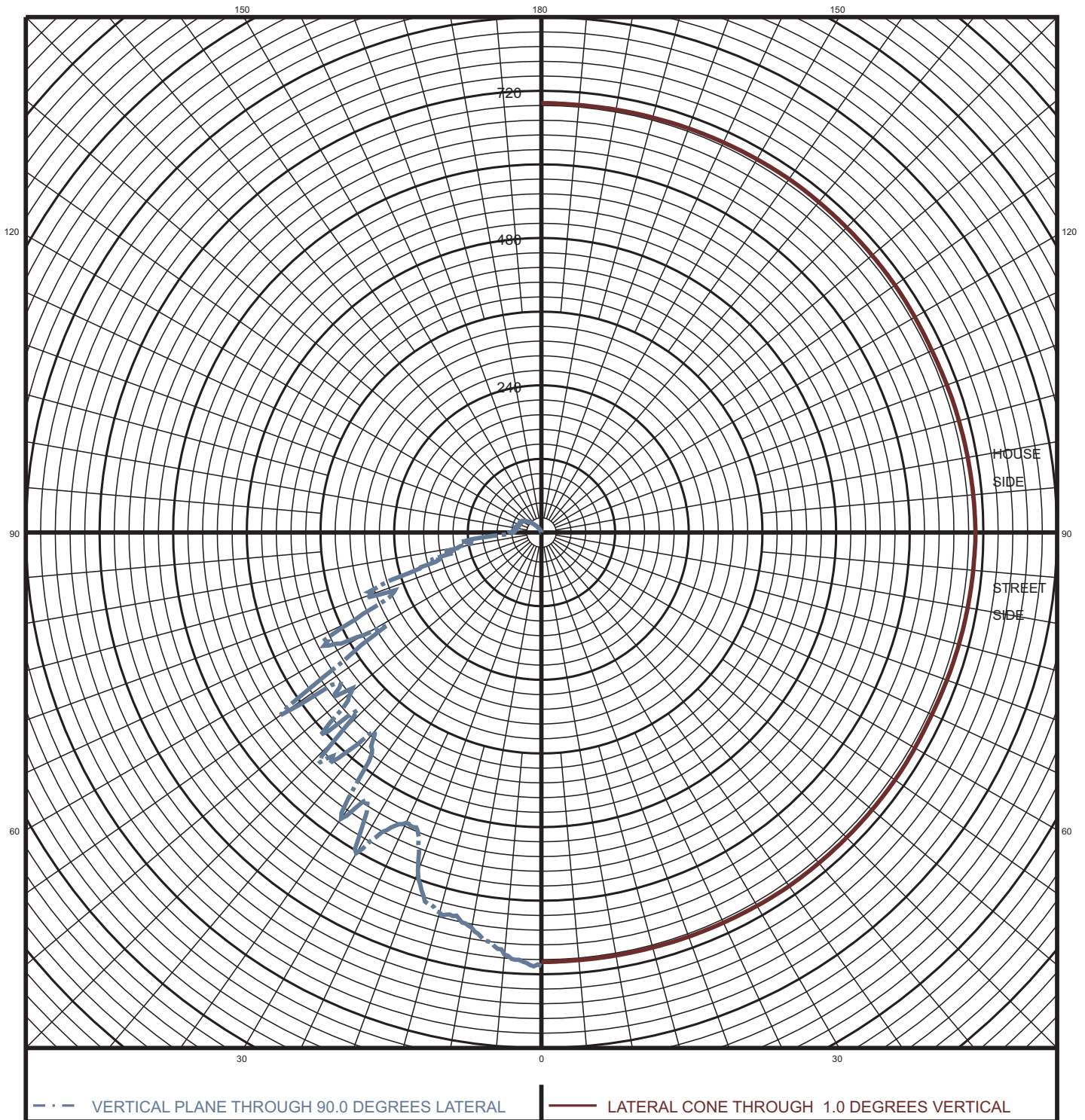


CANDELA DISTRIBUTION

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



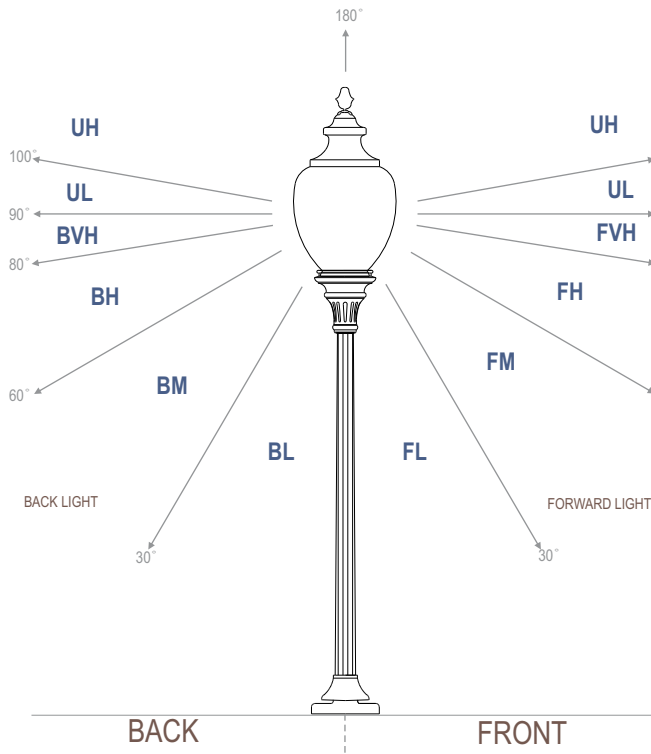
MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



| ZONE | LUMINAIRE LUMENS | % OF LUMINAIRE LUMENS |
|----------------------|------------------|-----------------------|
| FORWARD LIGHT | 1173 | 46.1 |
| FL (0° -30°) | 264 | 10.3 |
| FM (30° -60°) | 559 | 21.9 |
| FH (60° -80°) | 296 | 11.6 |
| FVH (80° -90°) | 55 | 2.2 |

| | | |
|-------------------|------|------|
| BACK LIGHT | 1173 | 46.1 |
| BL (0° -30°) | 264 | 10.3 |
| BM (30° -60°) | 559 | 21.9 |
| BH (60° -80°) | 296 | 11.6 |
| BVH (80° -90°) | 55 | 2.2 |

| | | |
|------------------|-----|-----|
| UPLIGHT | 200 | 7.9 |
| UL (90° -100°) | 59 | 2.3 |
| UH (100° -180°) | 141 | 5.6 |

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

| BUG (Backlight, Uplight, Glare) Rating | |
|---|----------|
| Asymmetrical Luminaire Types (Type I, II, III, IV) | B1 U3 G1 |
| Quadrilateral Symmetrical Luminaire Types (Type V, Area Light) | B1 U3 G1 |