



# LUMINAIRE TESTING LABORATORY, INC.

SUSTAINING  
MEMBER  
of the  
IESNA

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LTL NUMBER: 17782

DATE: 01-11-2010

PREPARED FOR: INTENCITY LIGHTING

CATALOG NUMBER: SL50X2

LUMINAIRE: EXTRUDED ALUMINUM HEATSINK HOUSING, FORMED SEMI-SPECULAR ALUMINUM REFLECTORS, CLEAR PLASTIC ENCLOSURE WITH LINEAR PRISMATIC TOP SECTION.

LAMP: 128 WHITE LEDS

LED POWER SUPPLY: ONE INTENSITY LIGHTING LED SL50 SERIES 50X2-122109001 AND ONE MEAN WELL CLG-15

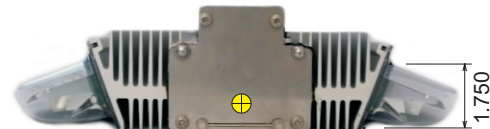
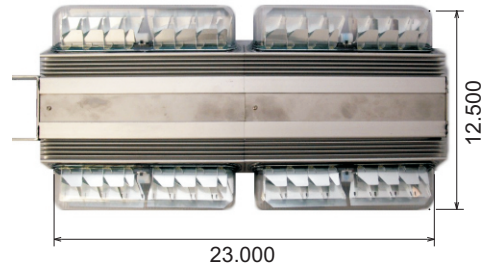
ELECTRICAL VALUES: 120.0VAC, 1.3424A, 158.44W, PF=0.983

LUMINAIRE EFFICACY: 57.3 LUMENS/WATT

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

IES CLASSIFICATION: **TYPE II**  
LONGITUDINAL CLASSIFICATION: **SHORT**  
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	2536.11	38.90	2575.01
STREET SIDE	6419.06	85.00	6504.06
TOTALS	8955.17	123.90	9079.07

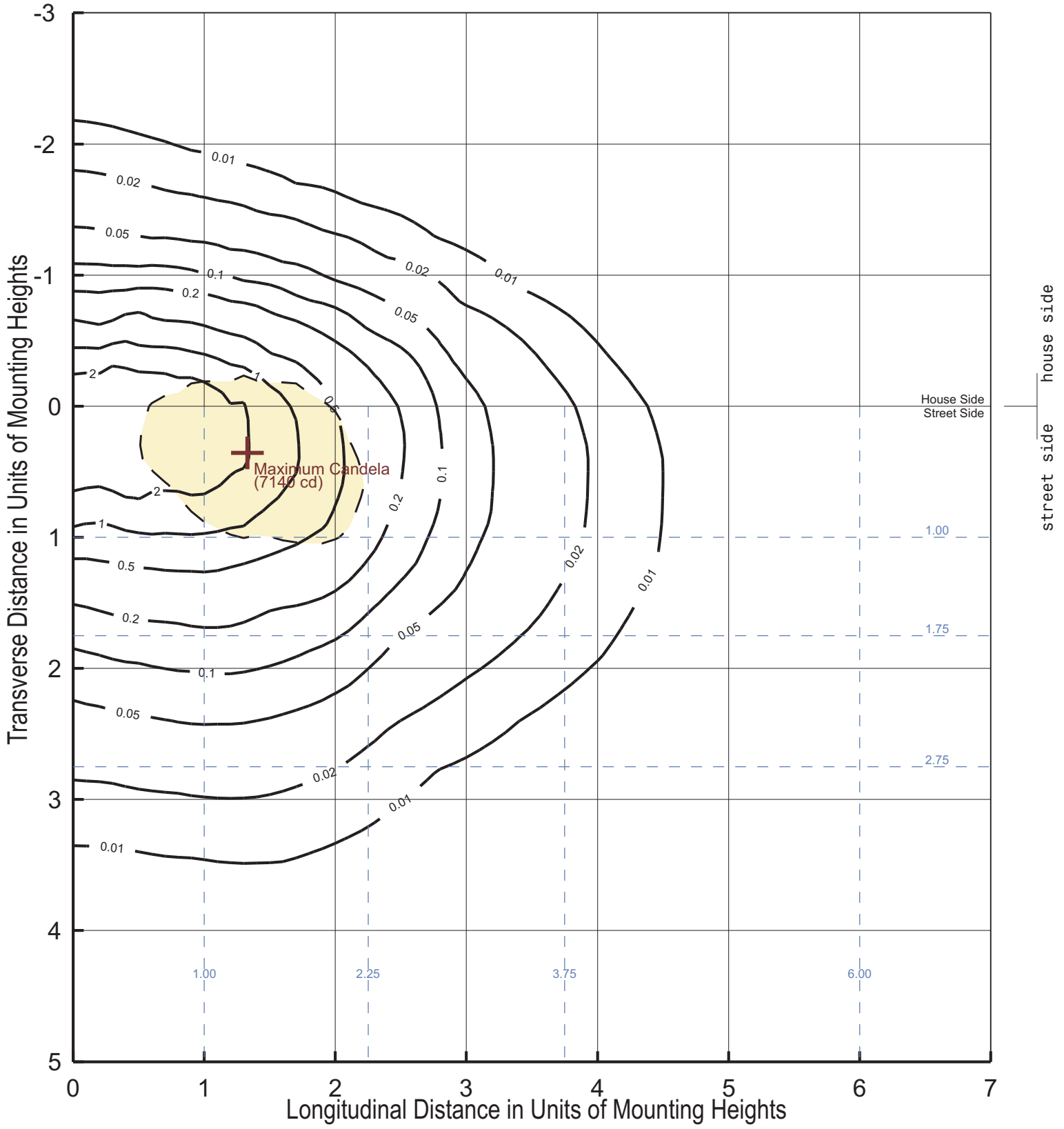
Approved By: MG

\*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 (180-0) showing Candela Distribution values.

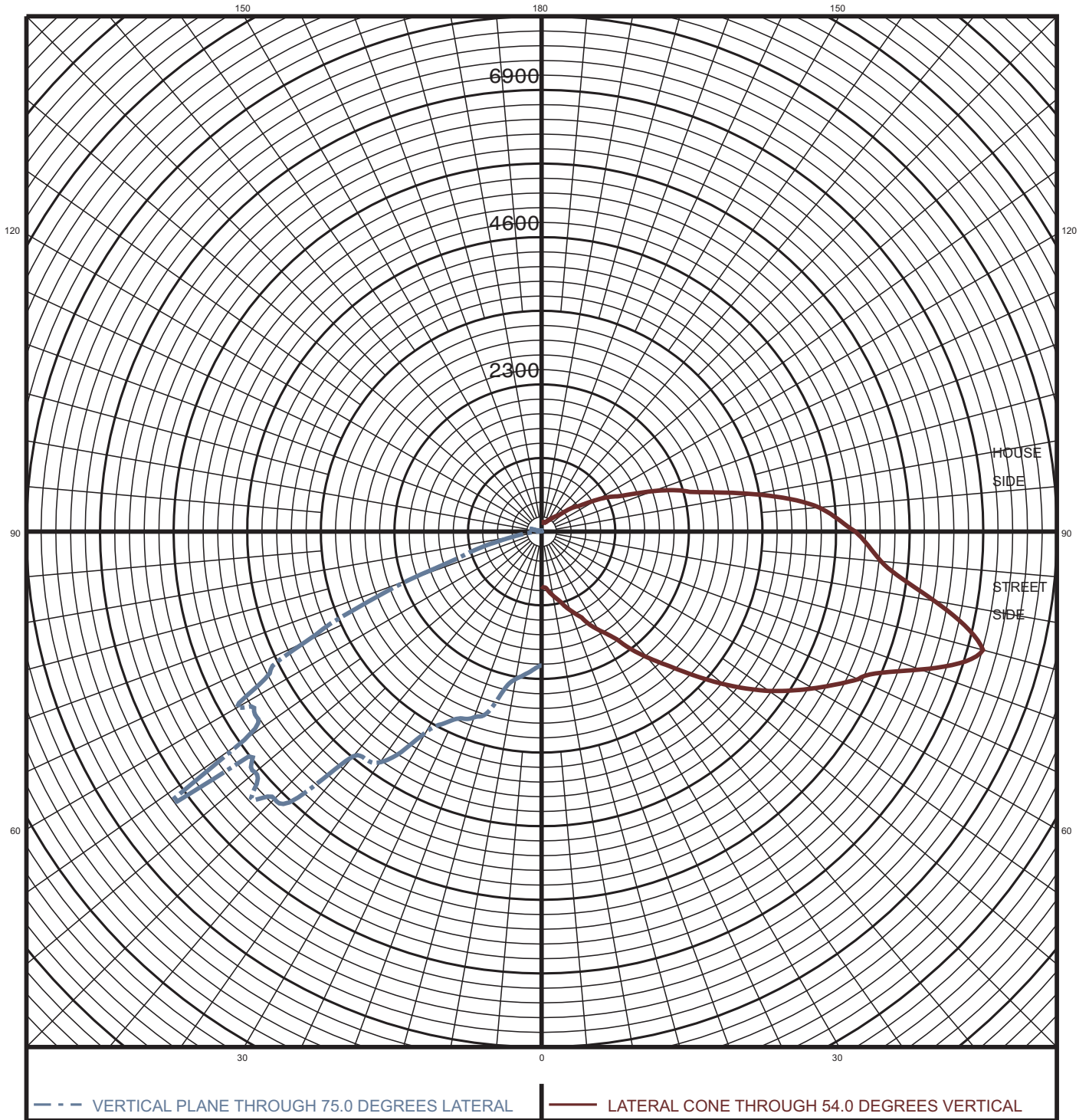


CANDELA DISTRIBUTION

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, 67.5, 65, 62.5, 60, 57.5, 55, 54, 52.5, 50, 47.5, 45, 40, 35, 30, 25, 20, 15, 10, 5, 0). Each cell contains a numerical value representing candela distribution.



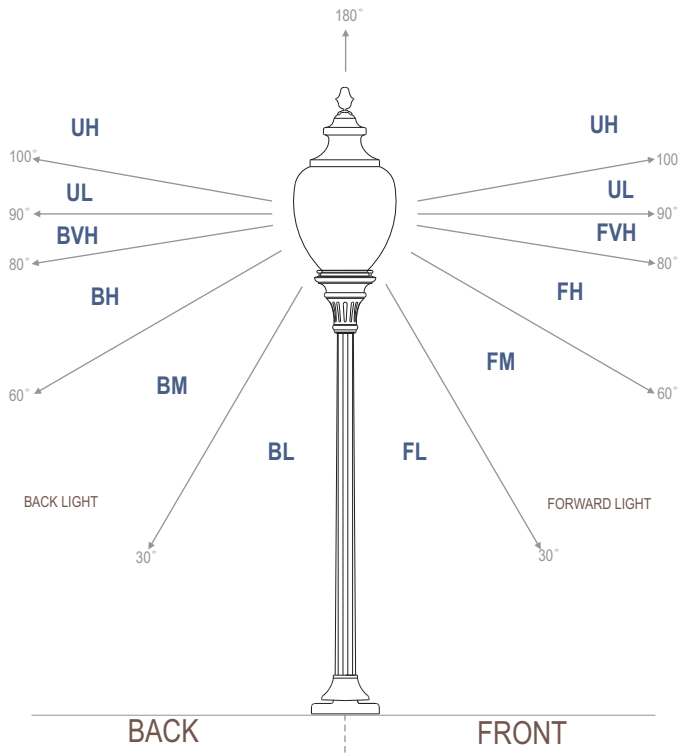
MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS
<b>FORWARD LIGHT</b>	6419	70.7
FL ( 0° -30° )	1171	12.9
FM (30° -60° )	3784	41.7
FH (60° -80° )	1396	15.4
FVH (80° -90° )	69	0.8

<b>BACK LIGHT</b>	2536	27.9
BL ( 0° -30° )	725	8.0
BM (30° -60° )	1436	15.8
BH (60° -80° )	354	3.9
BVH (80° -90° )	21	0.2

<b>UPLIGHT</b>	124	1.4
UL (90° -100° )	29	0.3
UH (100° -180° )	95	1.0

<b>TRAPPED LIGHT</b>	NA	NA
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<b>BUG (Backlight, Uplight, Glare) Rating</b>	
Asymmetrical Luminaire Types (Type I, II, III, IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V, Area Light)	B2 U2 G1