



LTL NUMBER: 21732

DATE: 2010-11-30

PREPARED FOR: SUNOVIA ENERGY TECHNOLOGIES

CATALOG NUMBER: PS-14/90-OW/T5/277/BZ

LUMINAIRE: CAST BROWN ENAMEL ALUMINUM HOUSING, CLEAR PRISMATIC PLASTIC PLASTIC ENCLOSURE.

LAMP: 48 WHITE LEDS

LED POWER SUPPLY: ONE HIGH PERFECTION TECH LP1090-24-GG-170

ELECTRICAL VALUES: 120.0VAC, 0.7332A, 87.10W, PF=0.990

LUMINAIRE EFFICACY: 68.5 LUMENS/WATT

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

IES CLASSIFICATION: AREA LIGHT

\*\*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.

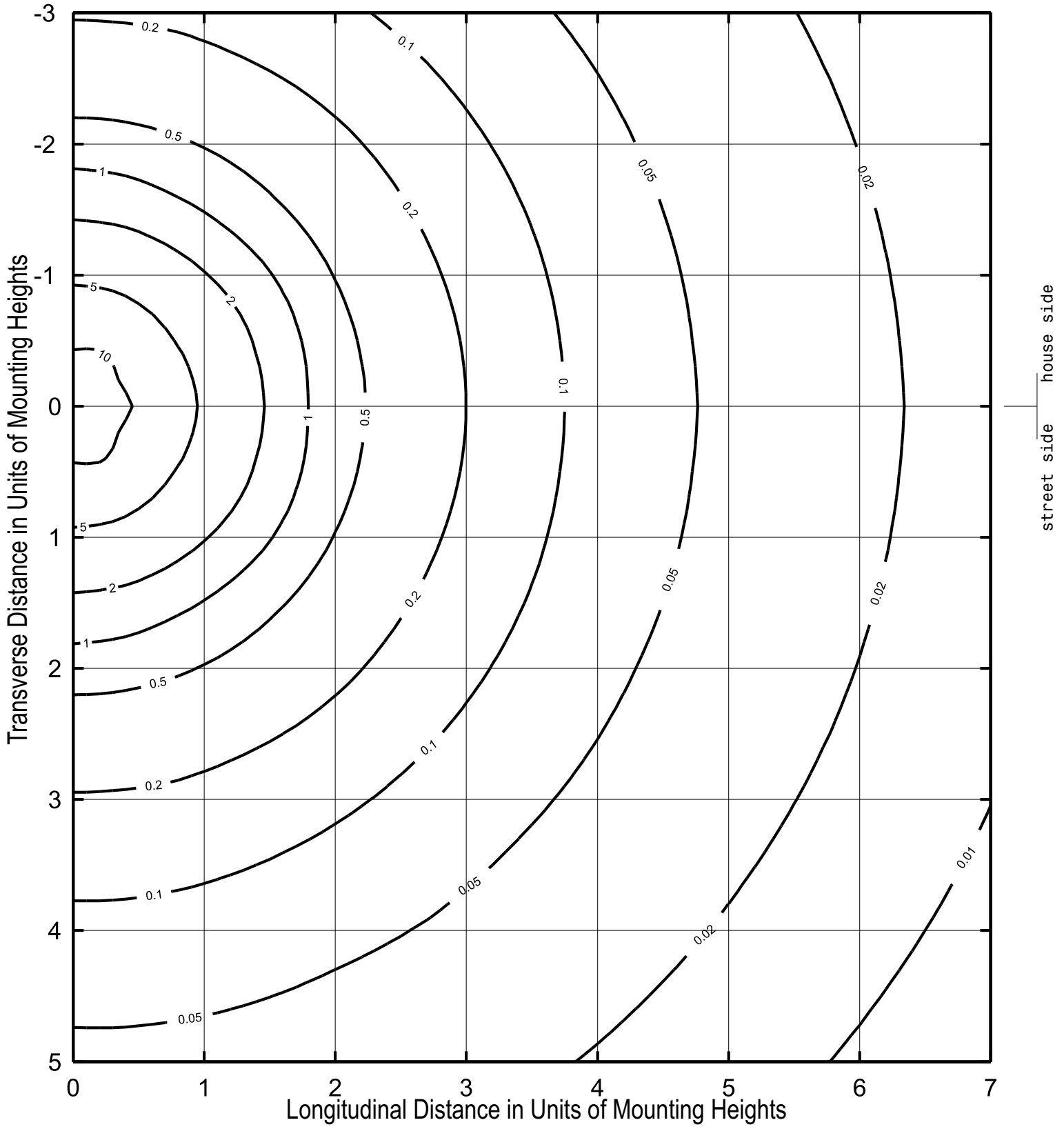
Approved By: MG

\*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 10.00 FOOT MOUNTING HEIGHT



PROJECTION OF HALF-MAX CANDELA CONTOUR

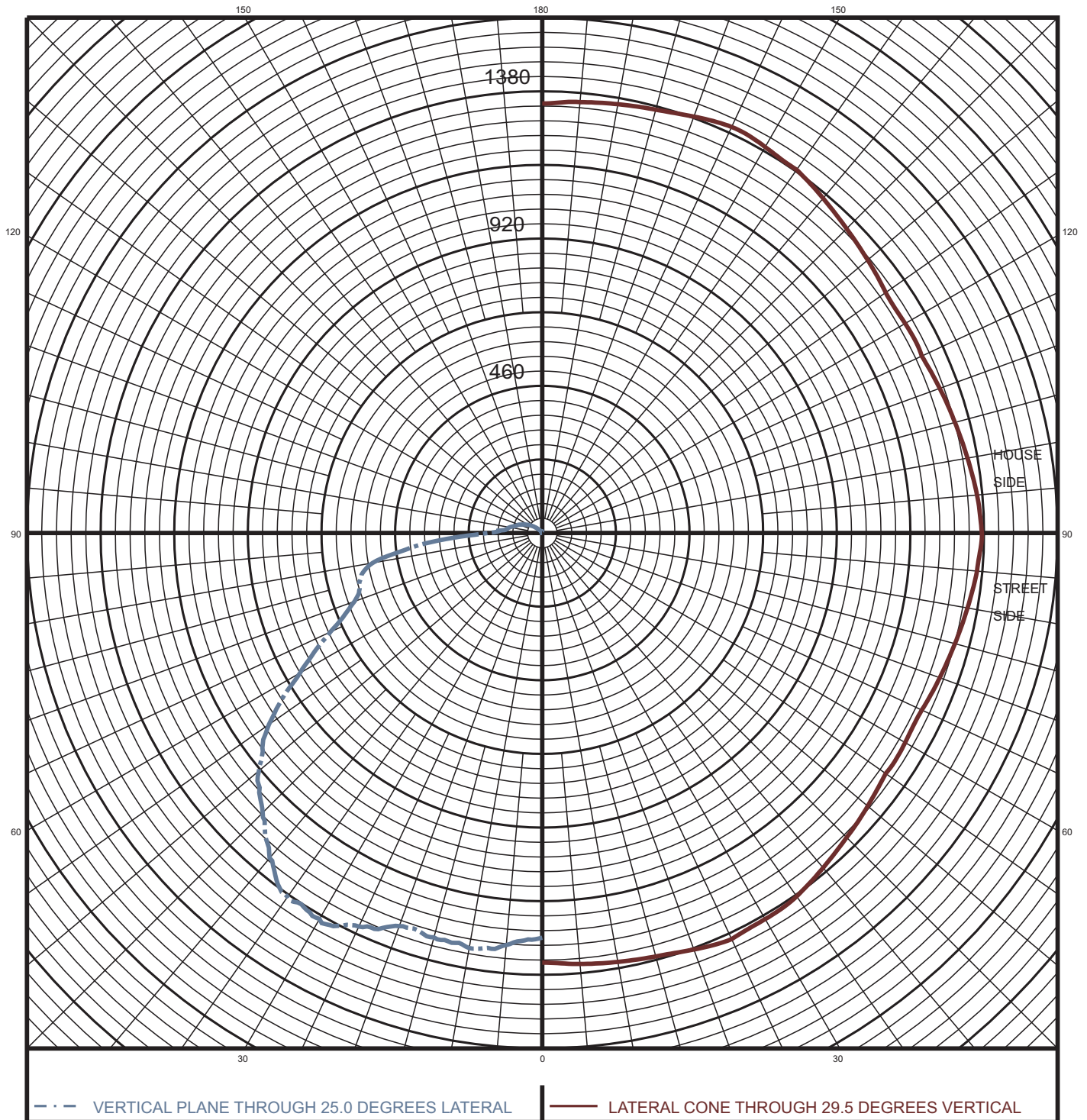


CANDELA DISTRIBUTION

Table with 12 columns (0-90) and 20 rows (180-0) showing Candela values. The value 1400 is highlighted in the row for 29.5 and column for 25.



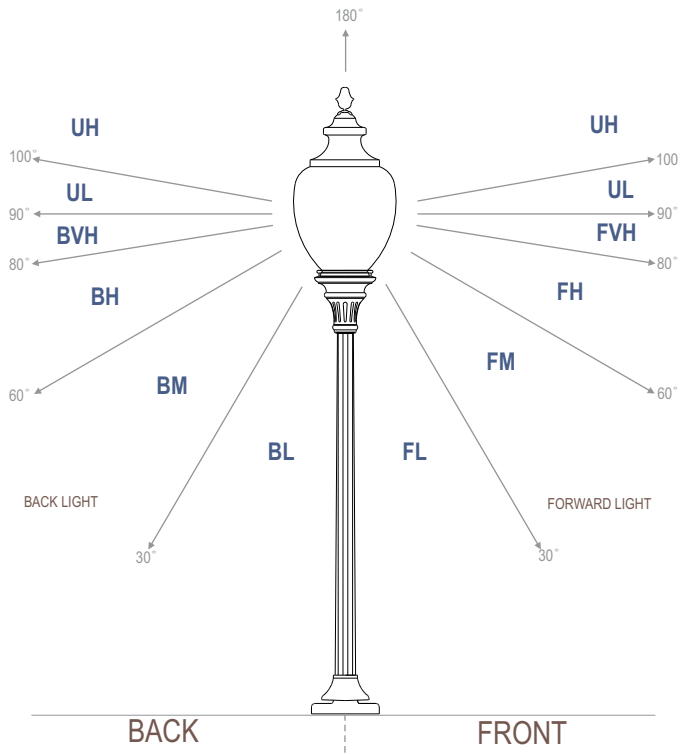
MAXIMUM PLANE AND CONE PLOTS OF CANDELA





FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

FLUX



ZONE	LUMINAIRE LUMENS	% OF LUMINAIRE LUMENS
FORWARD LIGHT	2810	47.1
FL ( 0°-30°)	548	9.2
FM (30°-60°)	1384	23.2
FH (60°-80°)	683	11.5
FVH (80°-90°)	195	3.3

BACK LIGHT	2810	47.1
BL ( 0°-30°)	548	9.2
BM (30°-60°)	1384	23.2
BH (60°-80°)	683	11.5
BVH (80°-90°)	195	3.3

UPLIGHT	346	5.8
UL (90°-100°)	136	2.3
UH (100°-180°)	210	3.5

TRAPPED LIGHT	NA	NA
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BUG (Backlight, Uplight, Glare) Rating	
Asymmetrical Luminaire Types (Type I, II, III, IV)	B2 U3 G2
Quadrilateral Symmetrical Luminaire Types (Type V, Area Light)	B2 U3 G1