

itl boulder
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 15 foot mounting height.

REPORT NUMBER: ITL65549

ISSUE DATE: 03/25/11 PAGE: 1 OF 5

DATE SAMPLE TESTED: 07/29/10

PREPARED FOR: LSI INDUSTRIES, INC.

CATALOG NUMBER: XAS3/XRS3/XAWS3/XENM3

SA/XINM3 SA 5 LED 63 450 CW UE

LUMINAIRE: FABRICATED BROWN PAINTED METAL HOUSING, 7 ROWS OF 9 LEDS, FABRICATED PREMIUM SPECULAR METAL REFLECTOR WITH 12 "V" SHAPED INSERTS BELOW ALL LEDS, CLEAR FLAT GLASS LENS IN FABRICATED BROWN PAINTED METAL LENS FRAME.

LAMPS: SIXTY-THREE WHITE LIGHT EMITTING DIODES (LEDs) EACH WITH CLEAR SEMI-HEMISPHERICAL INTEGRAL LENS, VERTICAL BASE-UP POSITION.

LED DRIVER: LED ELECTRONIC 450mA DRIVER
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER. LED DRIVER INFORMATION PROVIDED BY CLIENT.

TOTAL INPUT WATTS = 97.2 AT 120.0 VOLTS

TEST PROCEDURE: IESNA LM-79-08

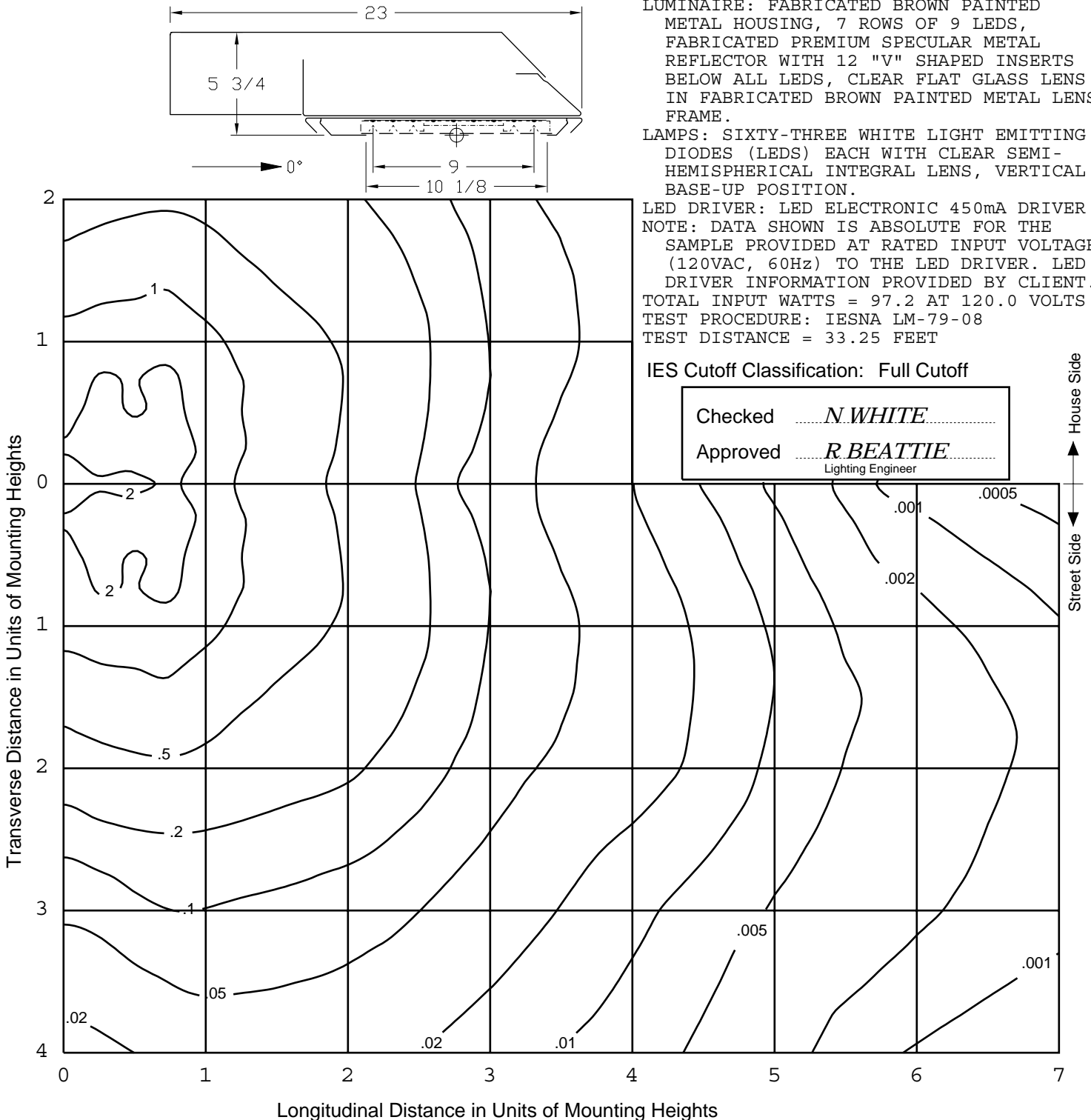
TEST DISTANCE = 33.25 FEET

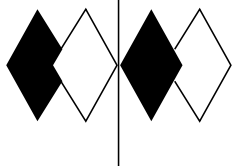
IES Cutoff Classification: Full Cutoff

Checked N. WHITE

Approved R. BEATTIE

Lighting Engineer





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CATALOG NUMBER: XAS3/XRS3/XAWS3/XENM3

SA/XINM3 SA 5 LED 63 450 CW UE

LUMINAIRE: FABRICATED BROWN PAINTED

METAL HOUSING, 7 ROWS OF 9 LEDS,

FABRICATED PREMIUM SPECULAR METAL

REFLECTOR WITH 12 "V" SHAPED INSERTS

BELOW ALL LEDS, CLEAR FLAT GLASS LENS

IN FABRICATED BROWN PAINTED METAL LENS FRAME.

LAMPS: SIXTY-THREE WHITE LIGHT EMITTING

DIODES (LEDs) EACH WITH CLEAR SEMI-

HEMISPHERICAL INTEGRAL LENS, VERTICAL

BASE-UP POSITION.

LED DRIVER: LED ELECTRONIC 450mA DRIVER

NOTE: DATA SHOWN IS ABSOLUTE FOR THE

SAMPLE PROVIDED AT RATED INPUT VOLTAGE

(120VAC, 60Hz) TO THE LED DRIVER. LED

DRIVER INFORMATION PROVIDED BY CLIENT.

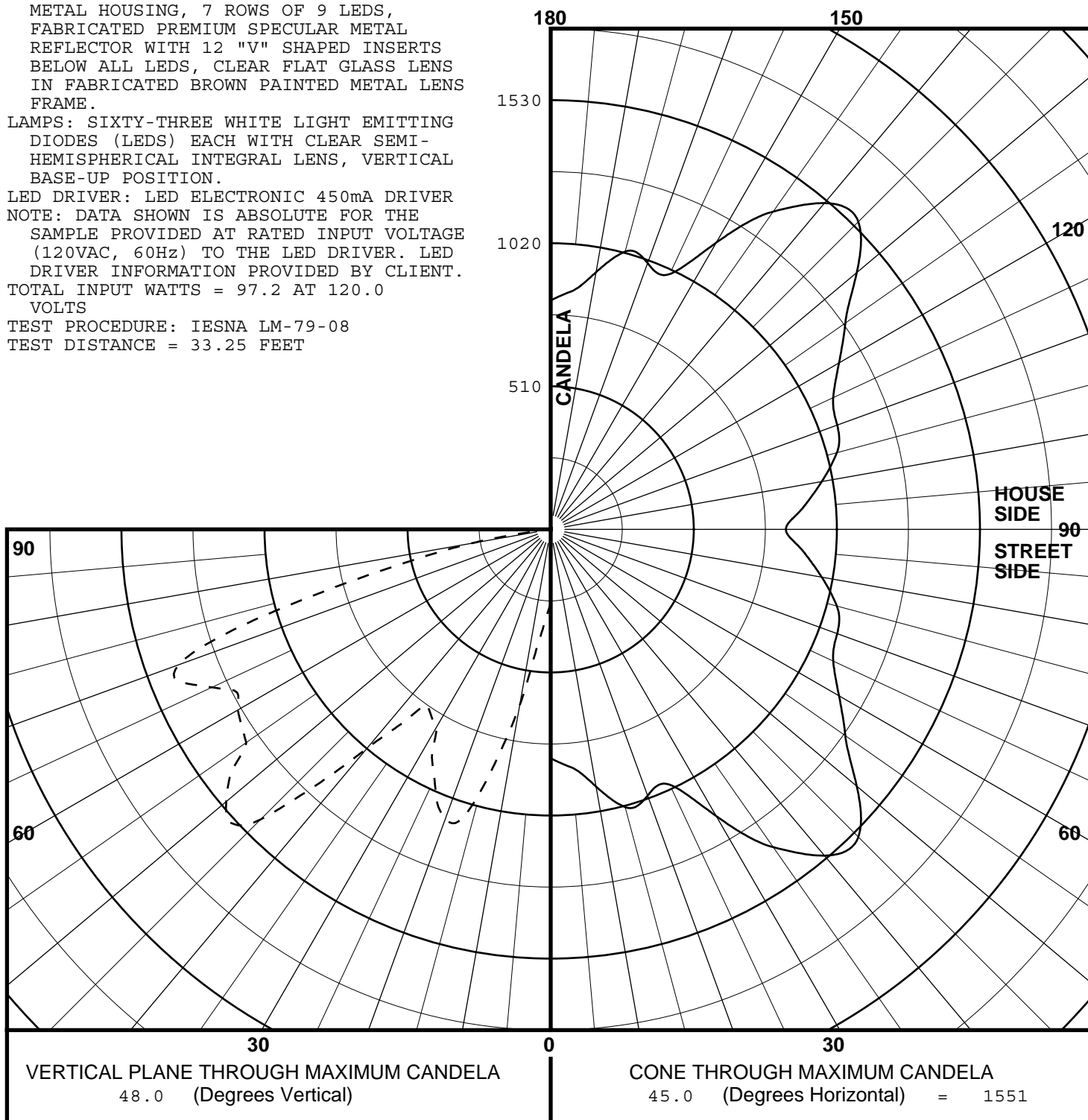
TOTAL INPUT WATTS = 97.2 AT 120.0

VOLTS

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 33.25 FEET

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





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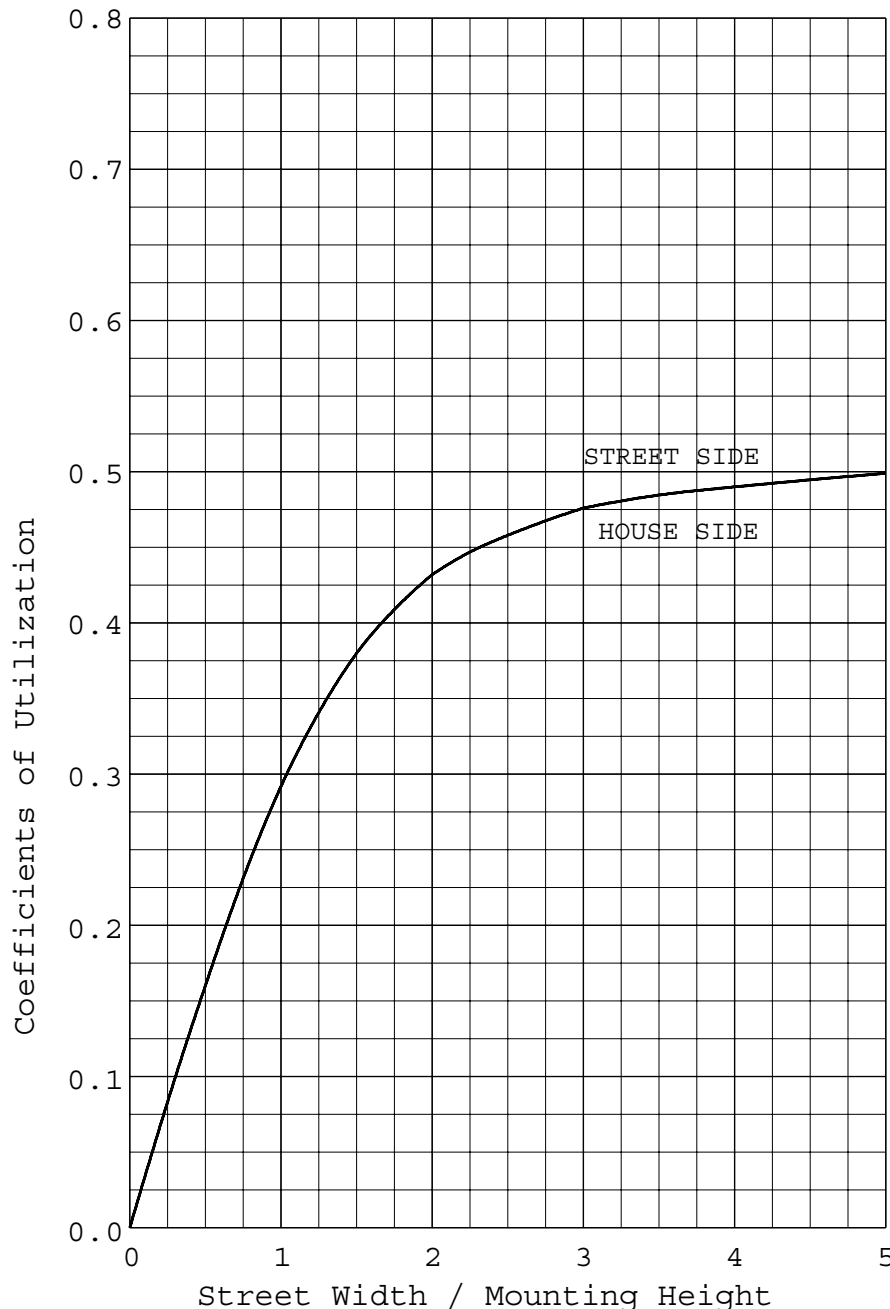
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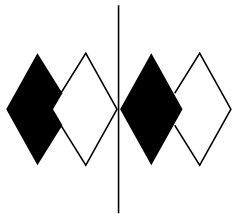
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DATE SAMPLE TESTED: 07/29/10

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2534	50.0
DOWNWARD HOUSE SIDE	2534	50.0
DOWNWARD TOTAL	5068	100.0
UPWARD STREET SIDE	0	0.0
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	0	0.0
TOTAL FLUX	5068	100.0
EFFICACY = 52.1 Lm/W		

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.



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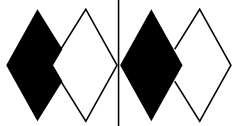
FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION
SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	2534.	50.0	
FL (0- 30)	305.9	6.0	
FM (30- 60)	1256.4	24.8	
FH (60- 80)	935.6	18.5	G1
FVH(80- 90)	36.0	0.7	U1 G1
BACK LIGHT	2534.	50.0	
BL (0- 30)	305.9	6.0	B1
BM (30- 60)	1256.4	24.8	B2
BH (60- 80)	935.6	18.5	B2 G1
BVH(80- 90)	36.0	0.7	U1 G1
UPLIGHT	0.	0.0	
UL (90-100)	0.0	0.0	U0
UH (100-180)	0.0	0.0	U0
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	5068.	100.0	

BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(PER ADDENDUM A FOR IESNA TM-15-07)

BUG RATING: B2 U1 G1



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CANDELA TABULATION

		LATERAL ANGLE										
		0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	90.0