

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 1 foot mounting height.



REPORT NUMBER: ITL87054-GONIOPHOTOMETRY
ISSUE DATE: 04/26/16 PAGE: 1 OF 7
PREPARED FOR: TEKA ILLUMINATION, INC.
CATALOG NUMBER: 1130-LED-e95, HRW-LED-e95

LUMINAIRE: FABRICATED COPPER COLORED METAL MOUNTING STEM WITH SPUN COPPER COLORED METAL TOP HOUSING WITH WHITE PAINTED INTERIOR, CAST BRASS COLORED METAL CIRCUIT BOARD MOUNTING BASE AND TOP FINIAL, 1 CIRCUIT BOARD WITH 3 LEDS, TRANSLUCENT WHITE PLASTIC DIFFUSER, CAST BRASS COLORED DIFFUSER MOUNTING COLLAR.

LAMPS: THREE WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-DOWN POSITION.
INPUT ELECTRICAL: 12.0 VOLTS, 5.36 WATTS, 0.501 AMPS

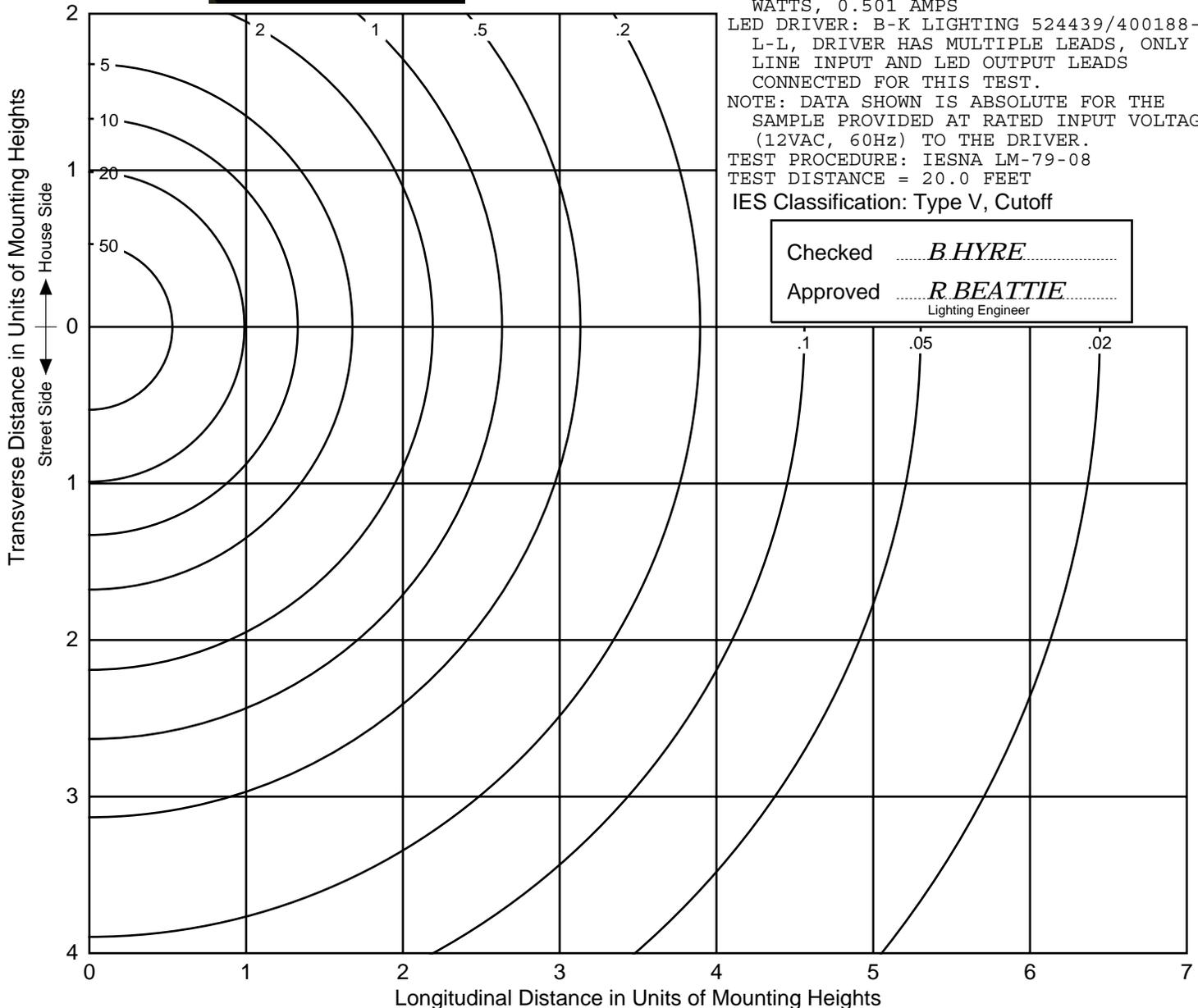
LED DRIVER: B-K LIGHTING 524439/400188-L-L, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.

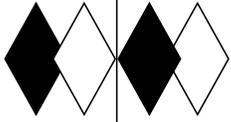
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (12VAC, 60Hz) TO THE DRIVER.

TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 20.0 FEET

IES Classification: Type V, Cutoff

Checked	<i>B. HYRE</i>
Approved	<i>R. BEATTIE</i> Lighting Engineer





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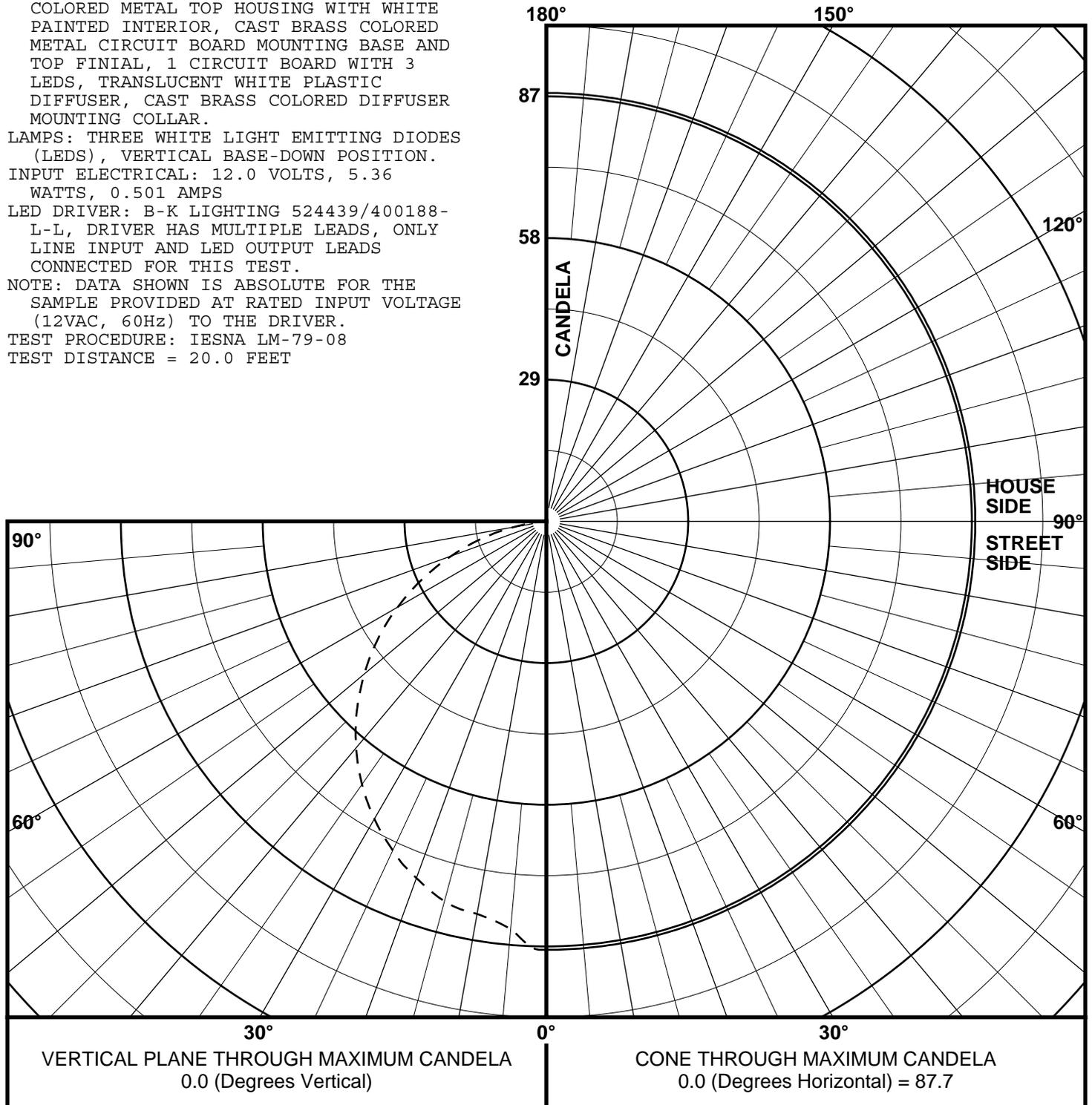
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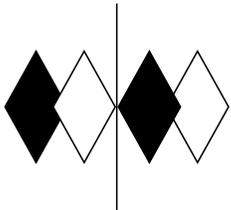
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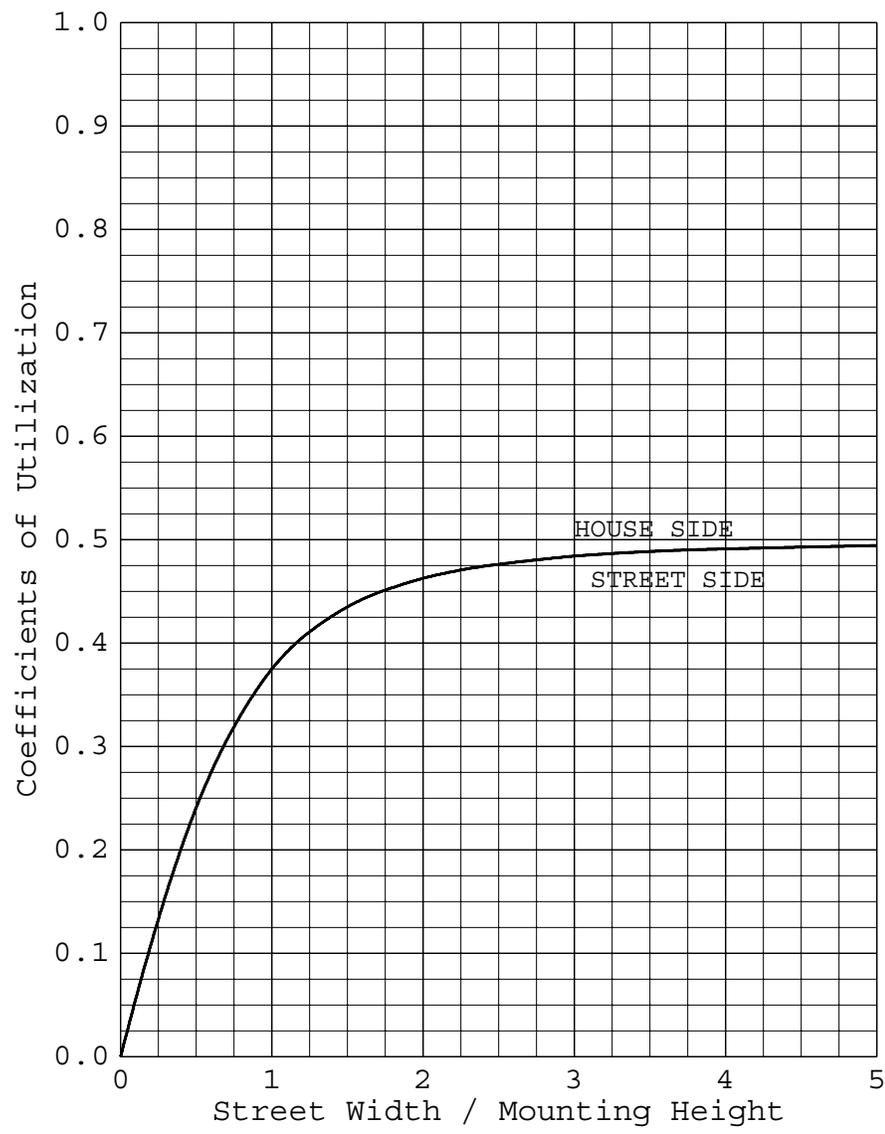
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	115	49.9
DOWNWARD HOUSE SIDE	115	49.9
DOWNWARD TOTAL	231	99.7
UPWARD STREET SIDE	0	0.1
UPWARD HOUSE SIDE	0	0.1
UPWARD TOTAL	1	0.3
TOTAL FLUX	231	100.0

EFFICACY = 43.1 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.



INDEPENDENT TESTING LABORATORIES, INC.
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FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-11, LUMINAIRE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	115.	49.9	
FL (0- 30)	32.4	14.0	
FM (30- 60)	60.4	26.1	
FH (60- 80)	21.1	9.1	G0
FVH(80- 90)	1.4	0.6	G0
BACK LIGHT	115.	49.9	
BL (0- 30)	32.4	14.0	B0
BM (30- 60)	60.4	26.1	B0
BH (60- 80)	21.1	9.1	B0 G0
BVH(80- 90)	1.4	0.6	G0
UPLIGHT	1.	0.3	
UL (90-100)	0.3	0.1	U1
UH (100-180)	0.3	0.1	U1
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	231.	100.0	

BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(PER ADDENDUM A FOR IESNA TM-15-11)

BUG RATING: B0 U1 G0



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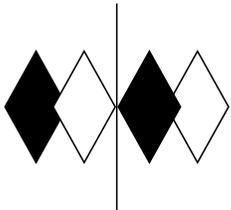
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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	2
5- 10	6
10- 15	10
15- 20	13
20- 25	16
25- 30	18
30- 35	20
35- 40	21
40- 45	21
45- 50	21
50- 55	20
55- 60	18
60- 65	15
65- 70	12
70- 75	9
75- 80	6
80- 85	2
85- 90	1
90- 95	0
95-100	0
100-105	0
105-110	0
110-115	0
115-120	0
120-125	0
125-130	0
130-135	0
135-140	0
140-145	0
145-150	0
150-155	0
155-160	0
160-165	0
165-170	0
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	8
0- 20	31
0- 30	65
0- 40	106
0- 50	148
0- 60	186
0- 70	213
0- 80	228
0- 90	231
0-100	231
0-110	231
0-120	231
0-130	231
0-140	231
0-150	231
0-160	231
0-170	231
0-180	231



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