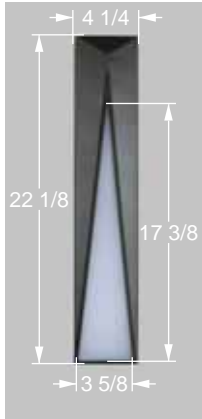




ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 5.5 foot mounting height.



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PREPARED FOR: OXYGEN LIGHTING
CATALOG NUMBER: 3-737

LUMINAIRE: FABRICATED WHITE PAINTED METAL WALL MOUNTING PLATE AND DRIVER COVERS, 2 WHITE CIRCUIT BOARDS EACH WITH 30 LEDS, FABRICATED BROWN PAINTED METAL FORWARD HOUSING, FROSTED TRANSLUCENT WHITE ACRYLIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.

LAMPS: SIXTY WHITE LIGHT EMITTING DIODES (LEDS), AIMED AT THE HORIZON.

INPUT ELECTRICAL: 120.0 VOLTS, 25.5 WATTS, 0.219 AMPS

LED DRIVERS: TWO L.T.F. DA12W350C1834D010-0000, DRIVERS HAVE MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.

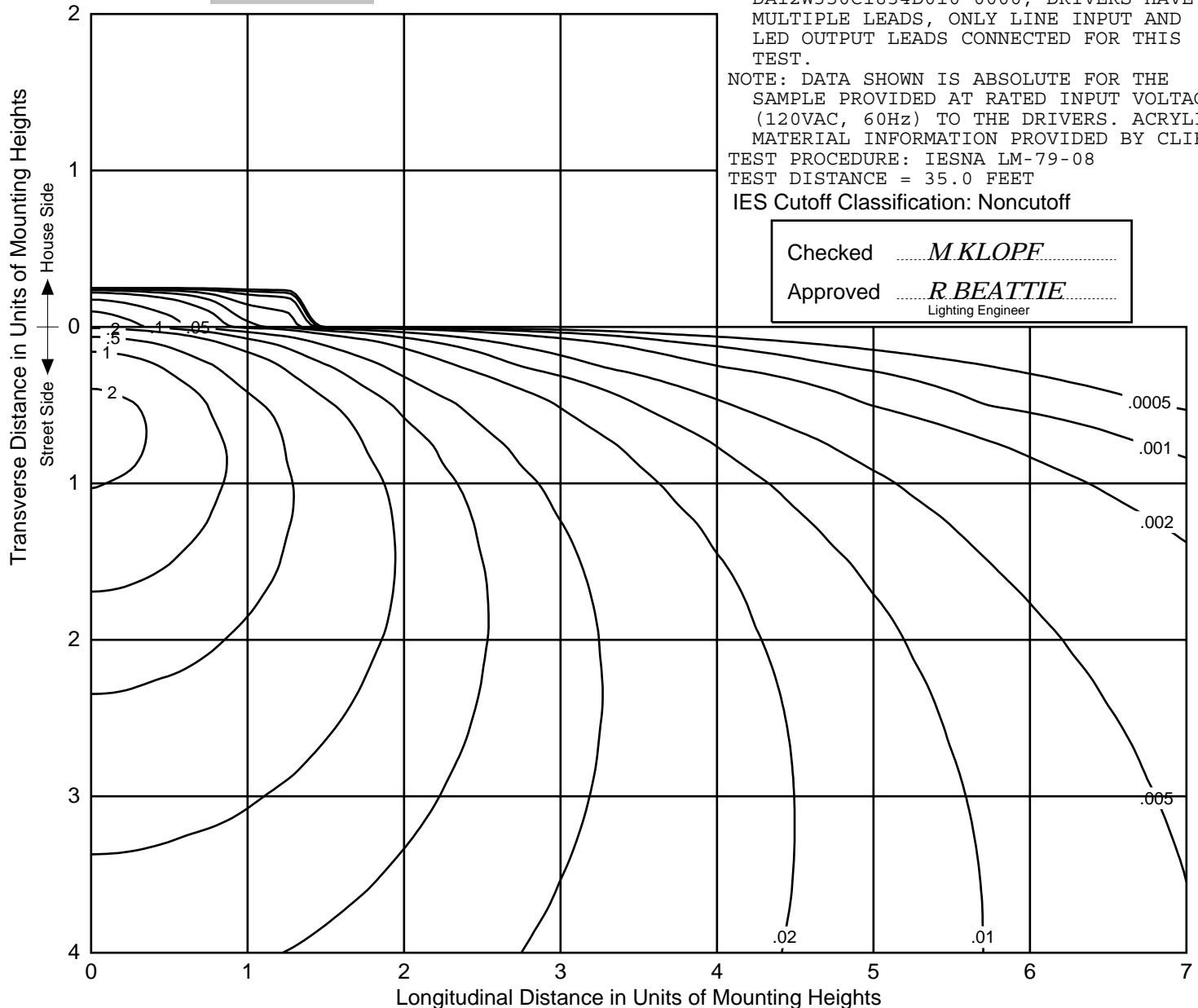
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE DRIVERS. ACRYLIC MATERIAL INFORMATION PROVIDED BY CLIENT.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 35.0 FEET

IES Cutoff Classification: Noncutoff

Checked *M.KLOPF*
Approved *R.BEATTIE*
Lighting Engineer





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LUMINAIRE: FABRICATED WHITE PAINTED METAL WALL MOUNTING PLATE AND DRIVER COVERS, 2 WHITE CIRCUIT BOARDS EACH WITH 30 LEDS, FABRICATED BROWN PAINTED METAL FORWARD HOUSING, FROSTED TRANSLUCENT WHITE ACRYLIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.

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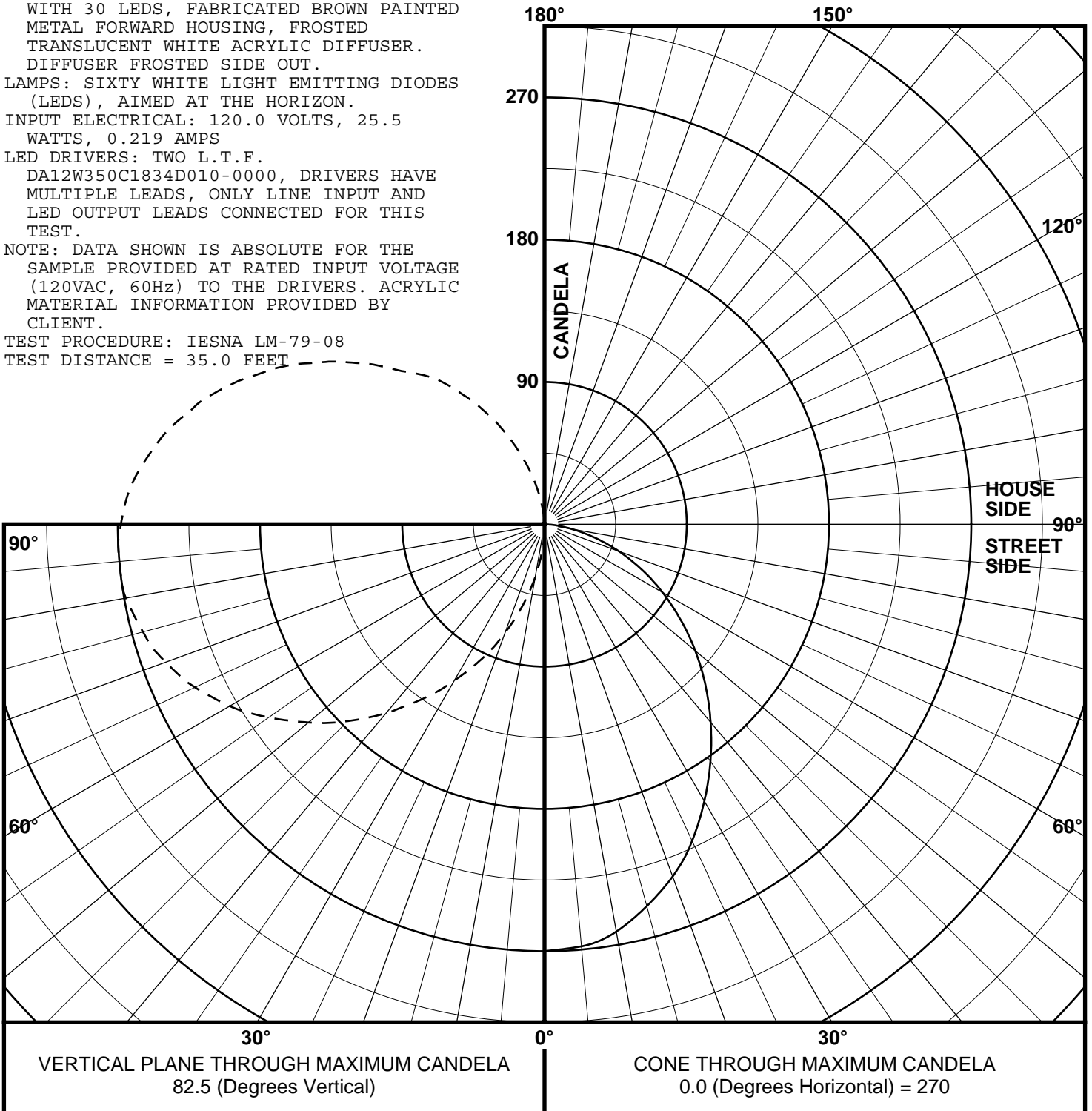
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TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 35.0 FEET

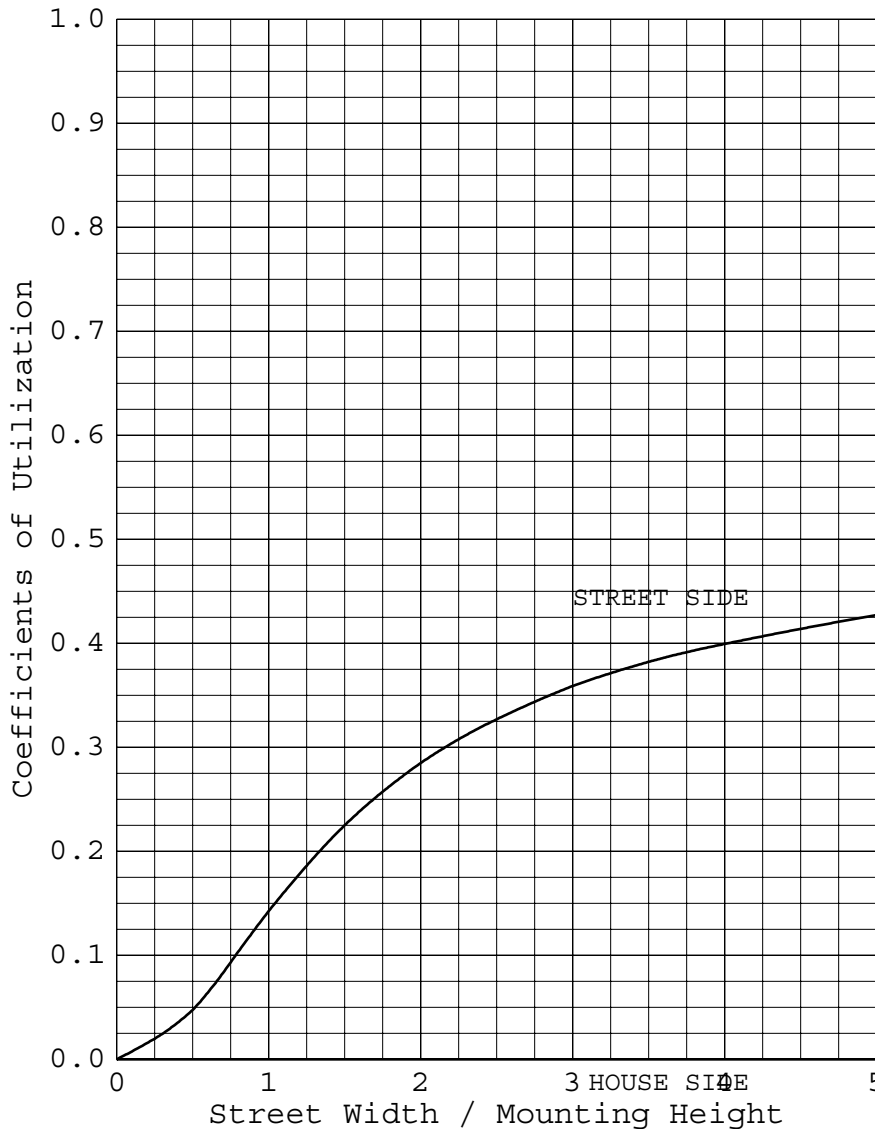
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	351	53.8
DOWNWARD HOUSE SIDE	0	0.0
DOWNWARD TOTAL	352	53.8
UPWARD STREET SIDE	302	46.2
UPWARD HOUSE SIDE	0	0.0
UPWARD TOTAL	302	46.2
TOTAL FLUX	653	100.0

EFFICACY = 25.6 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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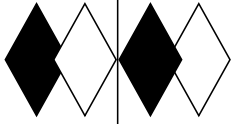
FLUX DISTRIBUTION BY SOLID ANGLE

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

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	351.	53.8	
FL (0- 30)	18.8	2.9	
FM (30- 60)	116.5	17.8	
FH (60- 80)	139.0	21.3	G0
FVH(80- 90)	77.2	11.8	G1
BACK LIGHT	0.	0.0	
BL (0- 30)	0.1	0.0	B0
BM (30- 60)	0.0	0.0	B0
BH (60- 80)	0.0	0.0	B0 G0
BVH(80- 90)	0.0	0.0	G0
UPLIGHT	302.	46.2	
UL (90-100)	75.0	11.5	U3
UH (100-180)	226.7	34.7	U3
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	653.	100.0	

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

BUG RATING: B0 U3 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
	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	6.	6.	6.	5.	0.	0.	0.	0.	0.	0.	0.
	34.	33.	32.	29.	25.	20.	14.	8.	0.	0.	0.
	70.	69.	66.	60.	52.	41.	30.	18.	8.	0.	0.
	108.	107.	102.	93.	80.	64.	46.	28.	12.	0.	0.
	140.	140.	132.	120.	102.	81.	58.	35.	14.	0.	0.
	178.	177.	168.	150.	127.	101.	73.	45.	19.	1.	0.
	214.	212.	200.	177.	149.	118.	85.	53.	24.	2.	0.
	243.	241.	226.	200.	166.	131.	95.	60.	28.	3.	0.
	263.	261.	244.	215.	178.	140.	102.	65.	31.	4.	0.
	266.	264.	247.	217.	180.	141.	103.	66.	31.	4.	0.
	268.	266.	249.	219.	182.	143.	104.	67.	32.	5.	0.
	270.	267.	250.	220.	183.	143.	104.	67.	32.	5.	0.
	270.	268.	251.	221.	183.	144.	105.	68.	33.	5.	0.
V	270.	268.	250.	221.	183.	144.	105.	68.	33.	6.	0.
E	269.	266.	250.	220.	183.	144.	105.	68.	34.	6.	0.
R	266.	264.	248.	218.	182.	143.	105.	68.	34.	6.	0.
T	263.	261.	245.	216.	181.	142.	105.	68.	34.	6.	0.
I	260.	258.	242.	214.	179.	141.	104.	68.	34.	7.	0.
C	255.	253.	238.	211.	176.	140.	103.	67.	34.	7.	0.
A	250.	248.	233.	207.	174.	138.	102.	67.	34.	7.	0.
L	244.	242.	228.	202.	170.	136.	100.	66.	34.	7.	0.
	237.	235.	222.	197.	167.	133.	99.	65.	33.	7.	0.
A	230.	228.	215.	192.	163.	130.	97.	64.	33.	8.	0.
N	222.	220.	208.	186.	158.	127.	95.	63.	33.	8.	0.
G	213.	212.	201.	180.	153.	124.	92.	62.	32.	8.	0.
L	204.	203.	193.	173.	148.	120.	90.	60.	32.	8.	1.
E	195.	194.	185.	166.	142.	115.	87.	58.	31.	8.	1.
	186.	184.	175.	159.	136.	111.	84.	56.	30.	8.	1.
	176.	175.	167.	151.	130.	106.	80.	54.	29.	8.	1.
	166.	165.	157.	143.	124.	101.	77.	52.	28.	8.	1.
	156.	155.	148.	135.	117.	96.	73.	50.	27.	8.	1.
	145.	144.	138.	126.	110.	90.	69.	47.	26.	8.	2.
	135.	134.	129.	118.	103.	85.	65.	44.	25.	8.	2.
	125.	124.	119.	109.	96.	79.	60.	42.	24.	8.	2.
	114.	114.	109.	100.	88.	73.	56.	39.	22.	8.	3.
	94.	93.	89.	82.	73.	61.	47.	33.	20.	8.	3.
	73.	73.	70.	65.	57.	48.	38.	27.	17.	8.	4.
	53.	53.	51.	47.	42.	36.	29.	21.	14.	7.	4.
	34.	34.	33.	31.	28.	24.	20.	15.	11.	7.	5.
	17.	17.	17.	16.	15.	13.	12.	10.	8.	6.	5.
	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION

	HOUSE SIDE		LATERAL ANGLE							
	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
85.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
V 82.5<<	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E 80.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
R 77.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
T 75.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
I 72.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
C 70.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
A 67.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L 65.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
62.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
A 60.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
N 57.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
G 55.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
L 52.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
E 50.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
47.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
45.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
42.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
40.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
37.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
35.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
32.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
30.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
25.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
20.0	1.	0.	0.	0.	0.	0.	0.	0.	0.	0.
15.0	2.	0.	0.	0.	0.	0.	0.	0.	0.	0.
10.0	3.	0.	0.	0.	0.	0.	0.	0.	0.	0.
5.0	4.	2.	1.	0.	0.	0.	0.	0.	0.	0.
0.0	5.	5.	5.	5.	5.	5.	5.	5.	5.	5.

CONE OF MAXIMUM CANDELA



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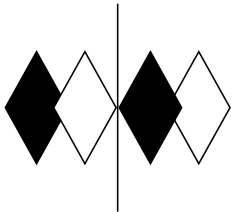
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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	0
5- 10	1
10- 15	2
15- 20	3
20- 25	5
25- 30	8
30- 35	11
35- 40	14
40- 45	18
45- 50	21
50- 55	25
55- 60	28
60- 65	31
65- 70	34
70- 75	36
75- 80	38
80- 85	39
85- 90	39
90- 95	38
95-100	37
100-105	35
105-110	33
110-115	30
115-120	27
120-125	23
125-130	20
130-135	16
135-140	13
140-145	11
145-150	8
150-155	6
155-160	3
160-165	2
165-170	1
170-175	0
175-180	0

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	1
0- 20	6
0- 30	19
0- 40	44
0- 50	82
0- 60	135
0- 70	201
0- 80	274
0- 90	352
0-100	427
0-110	494
0-120	550
0-130	593
0-140	623
0-150	641
0-160	650
0-170	653
0-180	653



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