

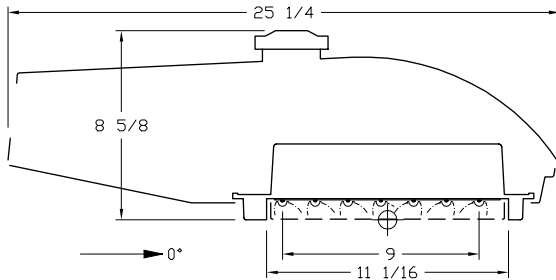


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 THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

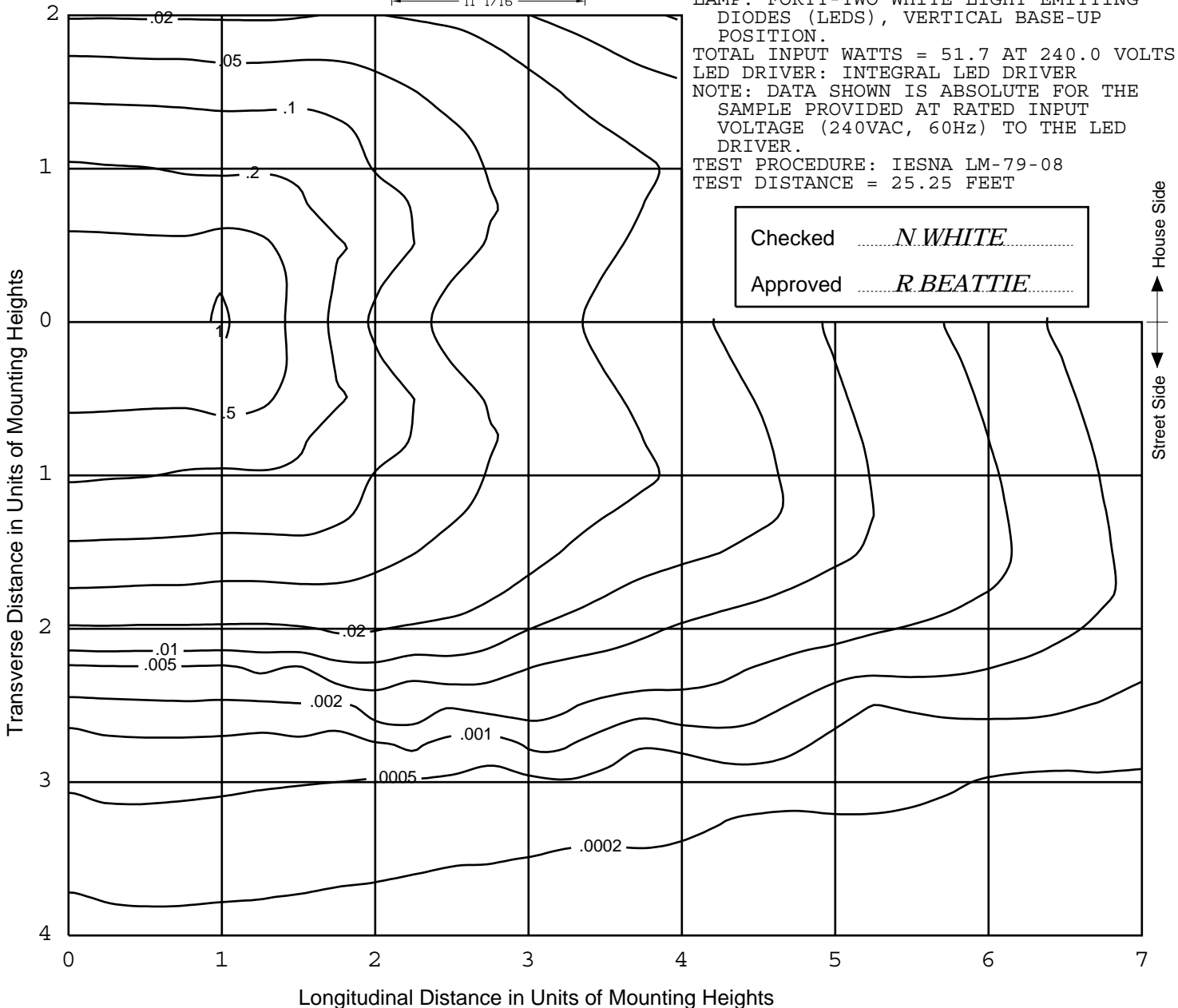
INDEPENDENT TESTING LABORATORIES, INC.  
 3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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 25 foot mounting height.



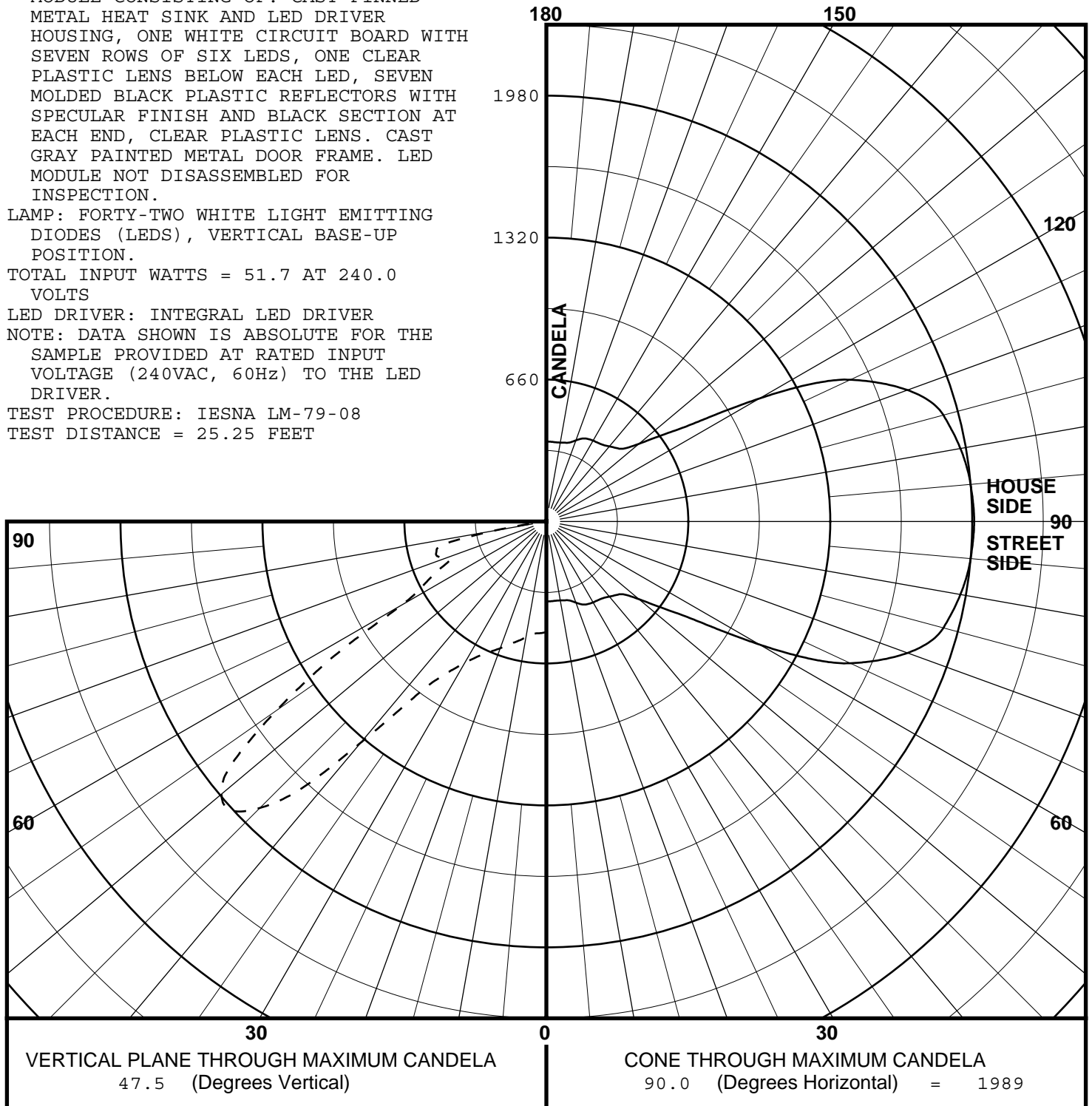
REPORT NUMBER: ITL63833  
 DATE: 12/14/09  
 PREPARED FOR: ECOFIT LIGHTING  
 CATALOG NUMBER: DURASTREET 42 SERIES,  
 350mA - TYPE 5 SQUARE  
 LUMINAIRE: CAST METAL HOUSING. ONE LED  
 MODULE CONSISTING OF: CAST FINNED  
 METAL HEAT SINK AND LED DRIVER  
 HOUSING, ONE WHITE CIRCUIT BOARD WITH  
 SEVEN ROWS OF SIX LEDS, ONE CLEAR  
 PLASTIC LENS BELOW EACH LED, SEVEN  
 MOLDED BLACK PLASTIC REFLECTORS WITH  
 SPECULAR FINISH AND BLACK SECTION AT  
 EACH END, CLEAR PLASTIC LENS. CAST  
 GRAY PAINTED METAL DOOR FRAME. LED  
 MODULE NOT DISASSEMBLED FOR  
 INSPECTION.  
 LAMP: FORTY-TWO WHITE LIGHT EMITTING  
 DIODES (LEDS), VERTICAL BASE-UP  
 POSITION.  
 TOTAL INPUT WATTS = 51.7 AT 240.0 VOLTS  
 LED DRIVER: INTEGRAL LED DRIVER  
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE  
 SAMPLE PROVIDED AT RATED INPUT  
 VOLTAGE (240VAC, 60Hz) TO THE LED  
 DRIVER.  
 TEST PROCEDURE: IESNA LM-79-08  
 TEST DISTANCE = 25.25 FEET





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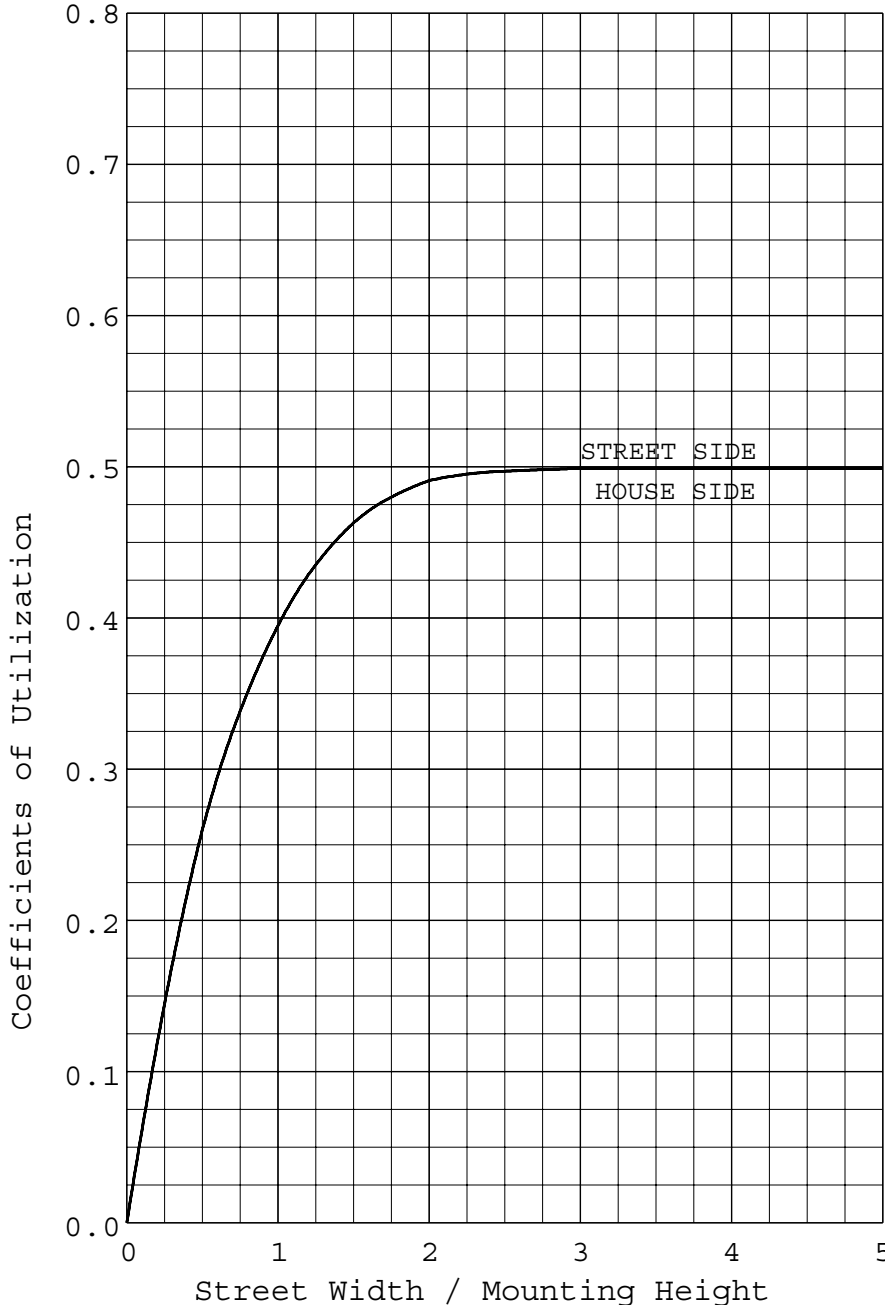
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	1568.	50.0
DOWNWARD HOUSE SIDE	1569.	50.0
DOWNWARD TOTAL	3137.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	3137.	100.0
EFFICACY = 60.7 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
FORWARD LIGHT	1568.	50.0
FL ( 0- 30)		7.8
FM ( 30- 60)		28.9
FH ( 60- 80)		12.9
FVH( 80- 90)		0.4
BACK LIGHT	1569.	50.0
BL ( 0- 30)		7.8
BM ( 30- 60)		28.9
BH ( 60- 80)		12.9
BVH( 80- 90)		0.4
UPLIGHT	0.	0.0
UL ( 90-100)		0.0
UH (100-180)		0.0
TRAPPED LIGHT	0.	0.0
TOTAL FLUX	3137.	100.0



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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
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	0.	0.	0.	0.	1.	2.	2.	4.	9.	7.	6.
85.0	1.	1.	1.	2.	2.	4.	6.	10.	32.	24.	22.
82.5	2.	2.	2.	3.	4.	7.	11.	22.	157.	90.	67.
80.0	3.	3.	4.	5.	7.	11.	18.	70.	472.	312.	245.
77.5	5.	5.	6.	7.	10.	16.	41.	307.	867.	571.	488.
75.0	7.	8.	9.	11.	14.	27.	228.	546.	876.	584.	529.
72.5	10.	11.	12.	14.	21.	147.	543.	793.	892.	605.	533.
70.0	12.	14.	16.	20.	62.	403.	723.	924.	910.	581.	502.
67.5	18.	19.	26.	62.	190.	563.	857.	923.	1088.	560.	496.
65.0	57.	61.	91.	174.	333.	630.	950.	869.	1206.	619.	572.
62.5	159.	163.	210.	290.	394.	658.	1038.	874.	1166.	686.	647.
60.0	254.	255.	280.	339.	449.	647.	975.	1015.	1298.	812.	775.
57.5	292.	292.	312.	386.	470.	623.	845.	1092.	1643.	1250.	1191.
V 55.0	327.	329.	349.	405.	480.	611.	765.	1426.	1826.	1560.	1531.
E 52.5	352.	352.	361.	414.	481.	573.	709.	1701.	1945.	1850.	1835.
R 50.0	362.	362.	375.	418.	484.	519.	669.	1682.	1969.	1974.	1972.
T 47.5<<	372.	371.	379.	426.	440.	479.	745.	1560.	1911.	1980.	1989.
I 45.0	377.	378.	387.	400.	411.	468.	863.	1342.	1725.	1871.	1884.
C 42.5	366.	366.	354.	369.	408.	488.	872.	1104.	1444.	1664.	1682.
A 40.0	336.	335.	340.	365.	405.	592.	809.	944.	1130.	1318.	1343.
L 37.5	333.	335.	342.	367.	452.	688.	765.	847.	940.	1055.	1069.
35.0	342.	343.	351.	400.	568.	673.	722.	780.	839.	896.	903.
A 32.5	375.	378.	413.	513.	620.	655.	694.	727.	777.	816.	820.
N 30.0	487.	492.	533.	576.	603.	632.	661.	692.	730.	756.	759.
G 27.5	555.	555.	552.	565.	592.	610.	641.	660.	693.	712.	713.
L 25.0	546.	547.	552.	562.	578.	598.	621.	640.	665.	677.	677.
E 22.5	540.	541.	544.	549.	564.	587.	602.	621.	643.	650.	651.
20.0	530.	531.	533.	542.	559.	573.	583.	605.	622.	627.	627.
17.5	529.	530.	533.	538.	548.	559.	574.	588.	599.	601.	602.
15.0	529.	529.	529.	531.	535.	547.	564.	575.	580.	582.	583.
12.5	520.	521.	520.	524.	530.	539.	551.	560.	563.	565.	565.
10.0	519.	520.	520.	524.	528.	533.	537.	541.	544.	545.	545.
7.5	522.	522.	522.	524.	527.	527.	528.	529.	529.	529.	529.
5.0	521.	521.	520.	521.	521.	521.	521.	522.	522.	522.	522.
2.5	515.	515.	516.	516.	516.	517.	517.	518.	518.	518.	519.
0.0	514.	514.	514.	514.	514.	514.	514.	514.	514.	514.	514.

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA