



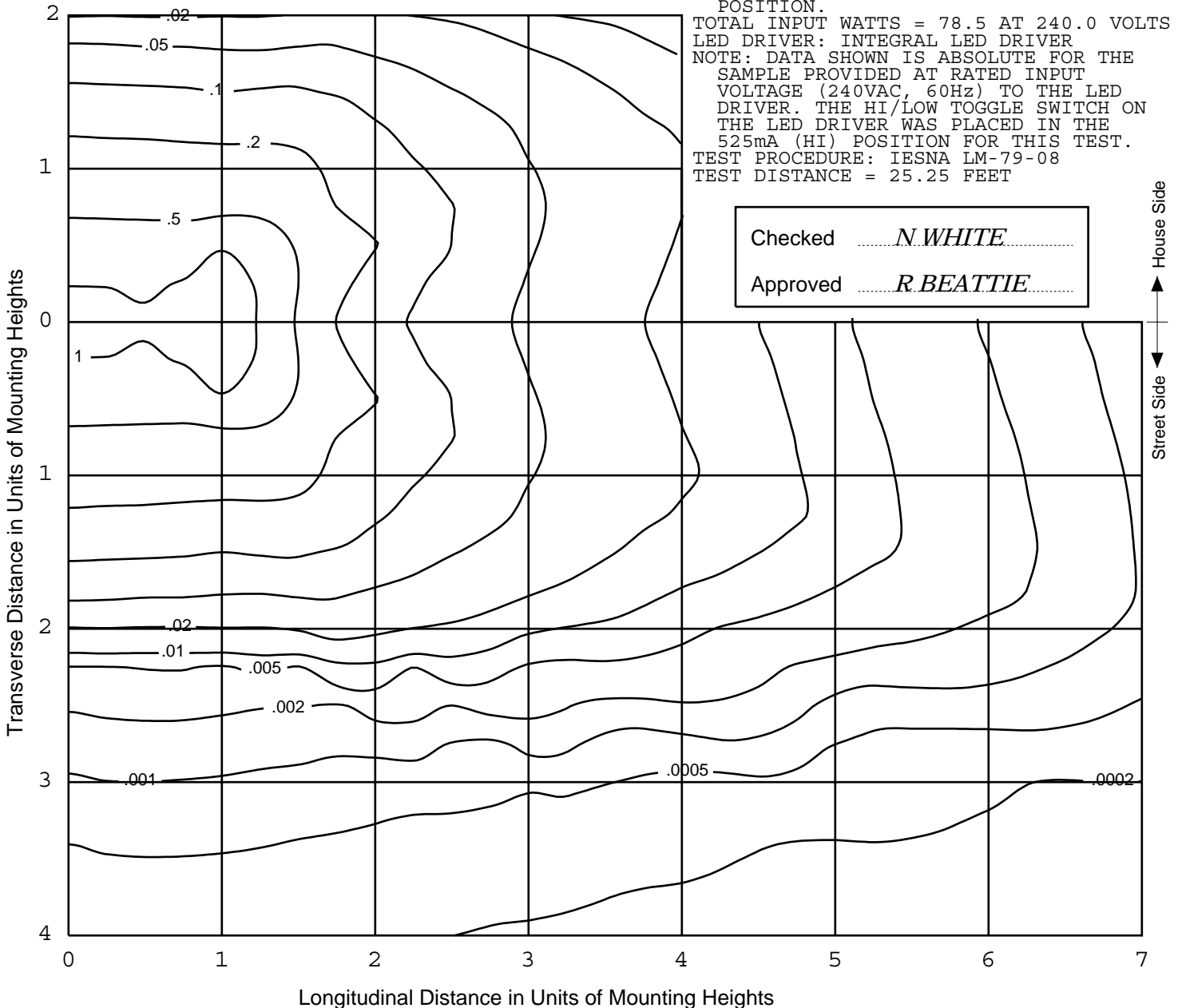
**itl boulder**  
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

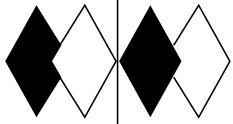
INDEPENDENT TESTING LABORATORIES, INC.  
 3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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 25 foot mounting height.

REPORT NUMBER: ITL63606  
 DATE: 11/12/09  
 PREPARED FOR: ECOFIT LIGHTING  
 CATALOG NUMBER: DURASTREET 42 SERIES  
 525 - 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 = 78.5 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. THE HI/LOW TOGGLE SWITCH ON THE LED DRIVER WAS PLACED IN THE 525mA (HI) POSITION FOR THIS TEST.  
 TEST PROCEDURE: IESNA LM-79-08  
 TEST DISTANCE = 25.25 FEET





**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

REPORT NUMBER: ITL63606  
 DATE: 11/12/09  
 PREPARED FOR: ECOFIT LIGHTING  
 CATALOG NUMBER: DURASTREET 42 SERIES  
 525 - 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 = 78.5 AT 240.0 VOLTS

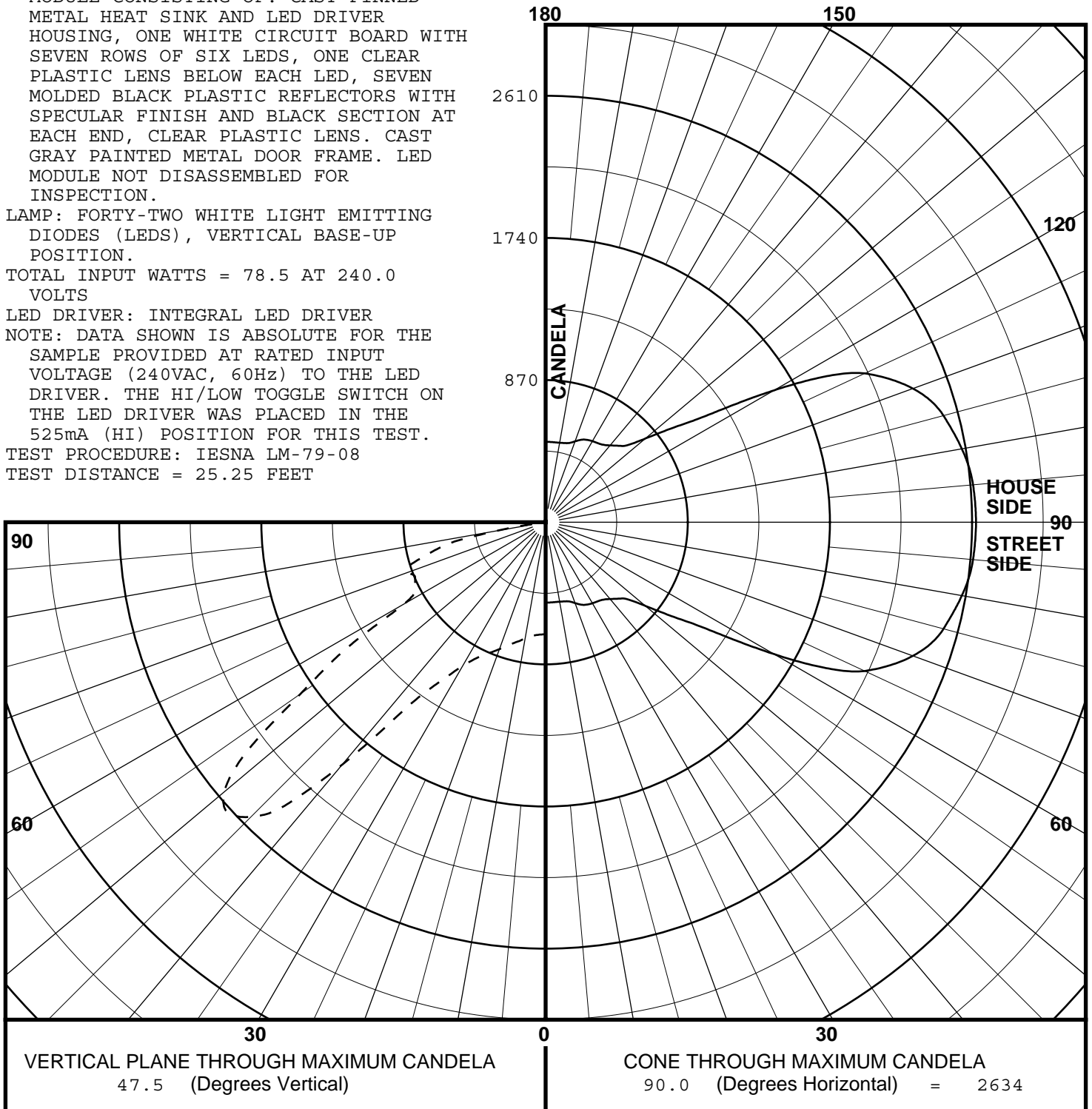
LED DRIVER: INTEGRAL LED DRIVER

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER. THE HI/LOW TOGGLE SWITCH ON THE LED DRIVER WAS PLACED IN THE 525mA (HI) POSITION FOR THIS TEST.

TEST PROCEDURE: IESNA LM-79-08

TEST DISTANCE = 25.25 FEET

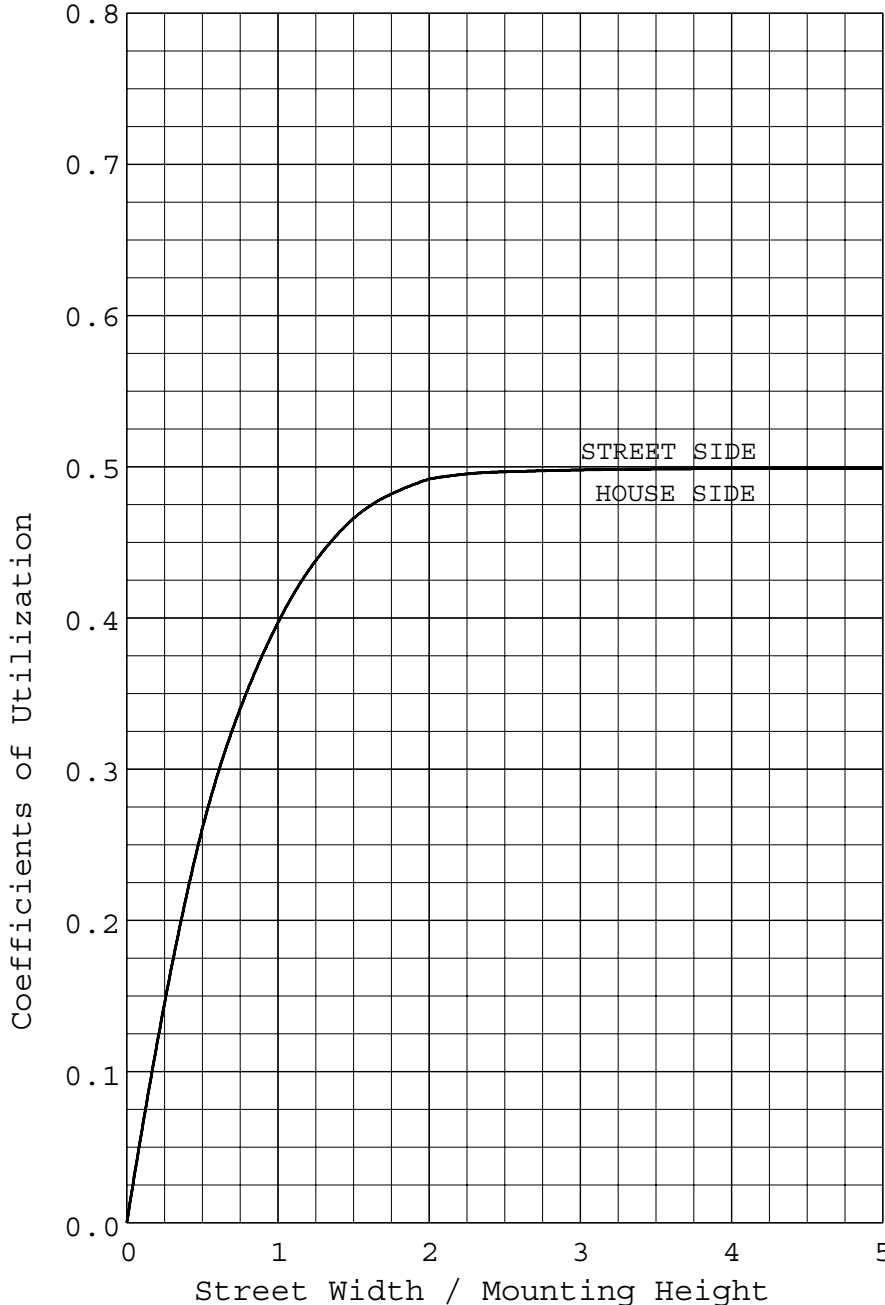
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





REPORT NUMBER: ITL63606  
 DATE: 11/12/09  
 PREPARED FOR: ECOFIT LIGHTING

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2086.	50.0
DOWNWARD HOUSE SIDE	2086.	50.0
DOWNWARD TOTAL	4172.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	4172.	100.0
EFFICACY = 53.1 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.



**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](mailto:itl@itlboulder.com) • WEBSITE: [www.itlboulder.com](http://www.itlboulder.com)

REPORT NUMBER: ITL63606  
DATE: 11/12/09  
PREPARED FOR: ECOFIT LIGHTING

FLUX DISTRIBUTION BY SOLID ANGLE  
(PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION  
SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE
FORWARD LIGHT	2086.	50.0
FL ( 0- 30)		7.7
FM ( 30- 60)		29.0
FH ( 60- 80)		12.9
FVH( 80- 90)		0.4
BACK LIGHT	2086.	50.0
BL ( 0- 30)		7.7
BM ( 30- 60)		29.0
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	4172.	100.0



**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

REPORT NUMBER: ITL63606  
 PREPARED FOR: ECOFIT LIGHTING

DATE: 11/12/09

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.	1.	1.	1.	2.	3.	4.	6.	12.	10.	9.
85.0	2.	2.	2.	3.	4.	6.	9.	16.	40.	36.	32.
82.5	3.	4.	4.	5.	7.	11.	16.	30.	176.	113.	90.
80.0	5.	6.	7.	9.	11.	16.	26.	84.	570.	369.	307.
77.5	8.	9.	10.	13.	16.	24.	49.	400.	1036.	712.	612.
75.0	11.	13.	15.	17.	22.	37.	198.	790.	1116.	822.	740.
72.5	16.	18.	20.	23.	31.	116.	607.	1119.	1206.	958.	869.
70.0	21.	23.	26.	31.	58.	444.	904.	1244.	1342.	973.	896.
67.5	28.	30.	37.	60.	204.	727.	1081.	1198.	1552.	935.	866.
65.0	57.	56.	84.	190.	425.	853.	1247.	1155.	1638.	946.	881.
62.5	174.	184.	249.	368.	537.	881.	1330.	1153.	1554.	952.	903.
60.0	330.	330.	369.	456.	588.	913.	1258.	1336.	1639.	1052.	997.
57.5	394.	392.	418.	503.	634.	863.	1146.	1486.	2079.	1548.	1470.
V 55.0	426.	424.	448.	541.	660.	830.	1064.	1890.	2295.	1891.	1830.
E 52.5	462.	462.	489.	565.	644.	766.	992.	2227.	2489.	2327.	2305.
R 50.0	491.	490.	505.	558.	635.	720.	960.	2278.	2552.	2575.	2566.
T 47.5<<	492.	492.	501.	558.	584.	660.	1063.	2155.	2521.	2626.	2634.
I 45.0	494.	494.	500.	525.	562.	640.	1175.	1871.	2322.	2531.	2549.
C 42.5	472.	470.	473.	506.	549.	680.	1174.	1537.	2010.	2312.	2341.
A 40.0	461.	459.	462.	493.	549.	803.	1105.	1288.	1594.	1903.	1935.
L 37.5	447.	447.	458.	492.	623.	902.	1024.	1144.	1303.	1489.	1507.
35.0	457.	456.	471.	553.	746.	899.	958.	1049.	1148.	1245.	1254.
A 32.5	518.	520.	562.	673.	810.	863.	906.	963.	1048.	1114.	1118.
N 30.0	642.	647.	688.	751.	801.	827.	860.	901.	976.	1013.	1014.
G 27.5	726.	727.	734.	751.	777.	792.	837.	860.	921.	944.	946.
L 25.0	726.	726.	728.	735.	750.	777.	802.	839.	880.	895.	896.
E 22.5	709.	708.	708.	712.	732.	767.	777.	819.	850.	860.	860.
20.0	686.	686.	692.	705.	729.	740.	764.	800.	822.	826.	827.
17.5	694.	694.	697.	701.	707.	728.	759.	780.	792.	795.	796.
15.0	681.	681.	680.	685.	700.	723.	747.	760.	765.	767.	767.
12.5	678.	680.	681.	689.	700.	714.	730.	741.	742.	744.	745.
10.0	686.	687.	689.	693.	699.	705.	713.	717.	718.	720.	720.
7.5	690.	691.	692.	695.	698.	700.	702.	701.	701.	701.	701.
5.0	691.	691.	691.	691.	692.	692.	692.	693.	694.	694.	694.
2.5	686.	686.	686.	686.	686.	687.	688.	688.	688.	688.	688.
0.0	685.	685.	685.	685.	685.	685.	685.	685.	685.	685.	685.

CONE OF MAXIMUM CANDELA

PLANE OF MAXIMUM CANDELA