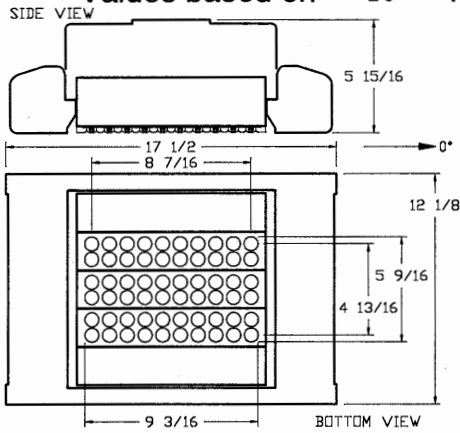


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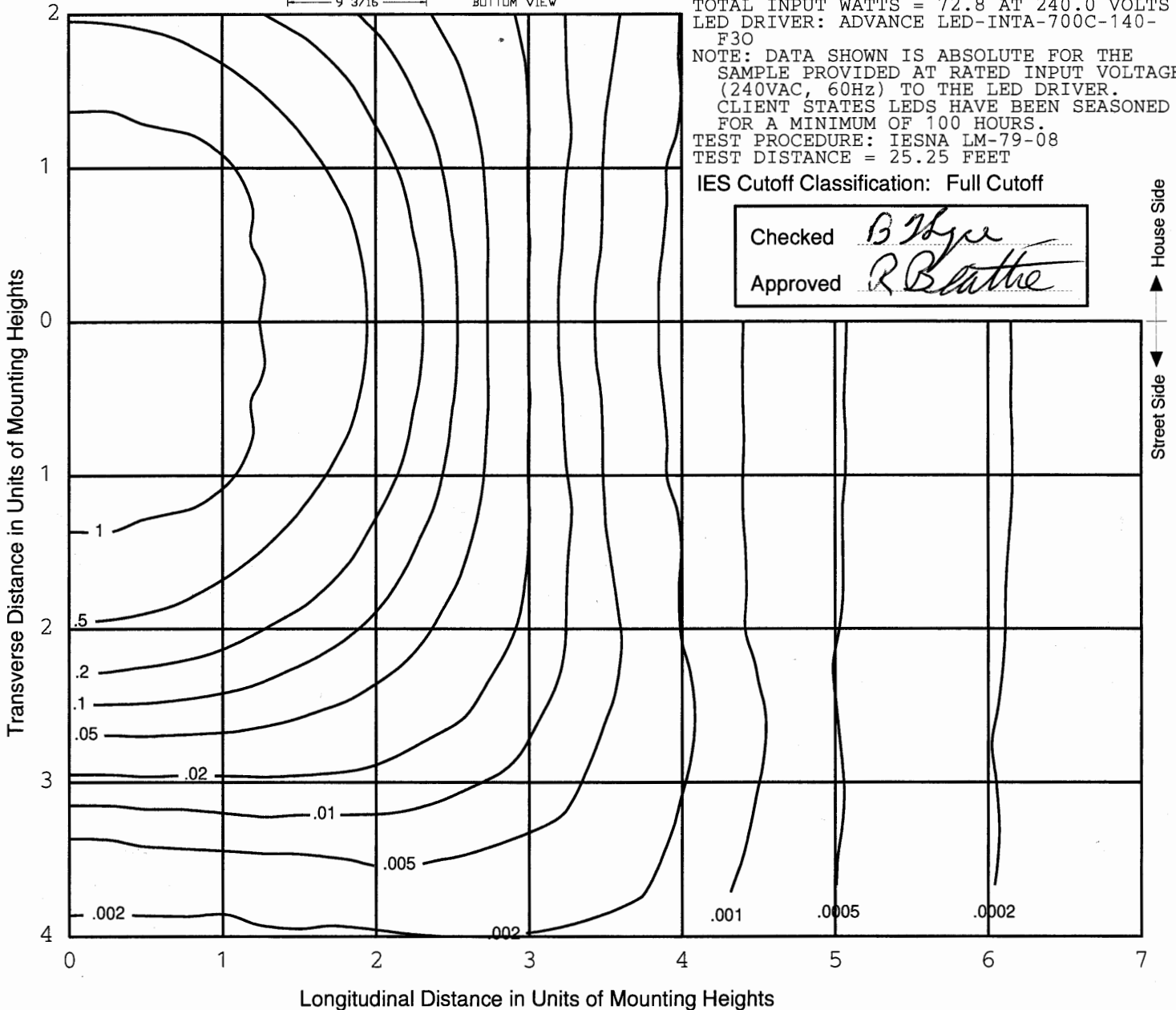
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 20 foot mounting height.



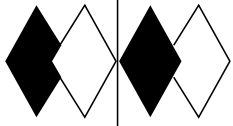
REPORT NUMBER: ITL64112
DATE: 01/26/10
PREPARED FOR: BETALED, A DIVISION OF RUUD LIGHTING
CATALOG NUMBER: PKG-EDG-5S-**-03-C-UL or BXPS0R06C-UW (350mA)
LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH CAST WHITE PAINTED METAL END CAPS, FABRICATED WIRE CAGE MOUNTING ASSEMBLY, THREE EXTRUDED FINNED METAL HEAT SINKS, EACH HEAT SINK CONTAINS ONE CIRCUIT BOARD WITH 20 LEDs, CAST WHITE PAINTED METAL TRIM PLATE, ONE CLEAR NON-INTEGRAL PLASTIC LENS BELOW EACH LED. TWO FORMED WHITE PAINTED SOLID METAL TRIM PLATES.
LAMPS: SIXTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.
TOTAL INPUT WATTS = 72.8 AT 240.0 VOLTS
LED DRIVER: ADVANCE LED-INTA-700C-140-F30
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER. CLIENT STATES LEDs HAVE BEEN SEASONED FOR A MINIMUM OF 100 HOURS.
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 25.25 FEET

IES Cutoff Classification: Full Cutoff

Checked *B. Hye*
Approved *R. Beattie*



THIS REPORT IS BASED ON PUBLISHED INDUSTRY PROCEDURES. FIELD PERFORMANCE MAY DIFFER FROM LABORATORY PERFORMANCE.



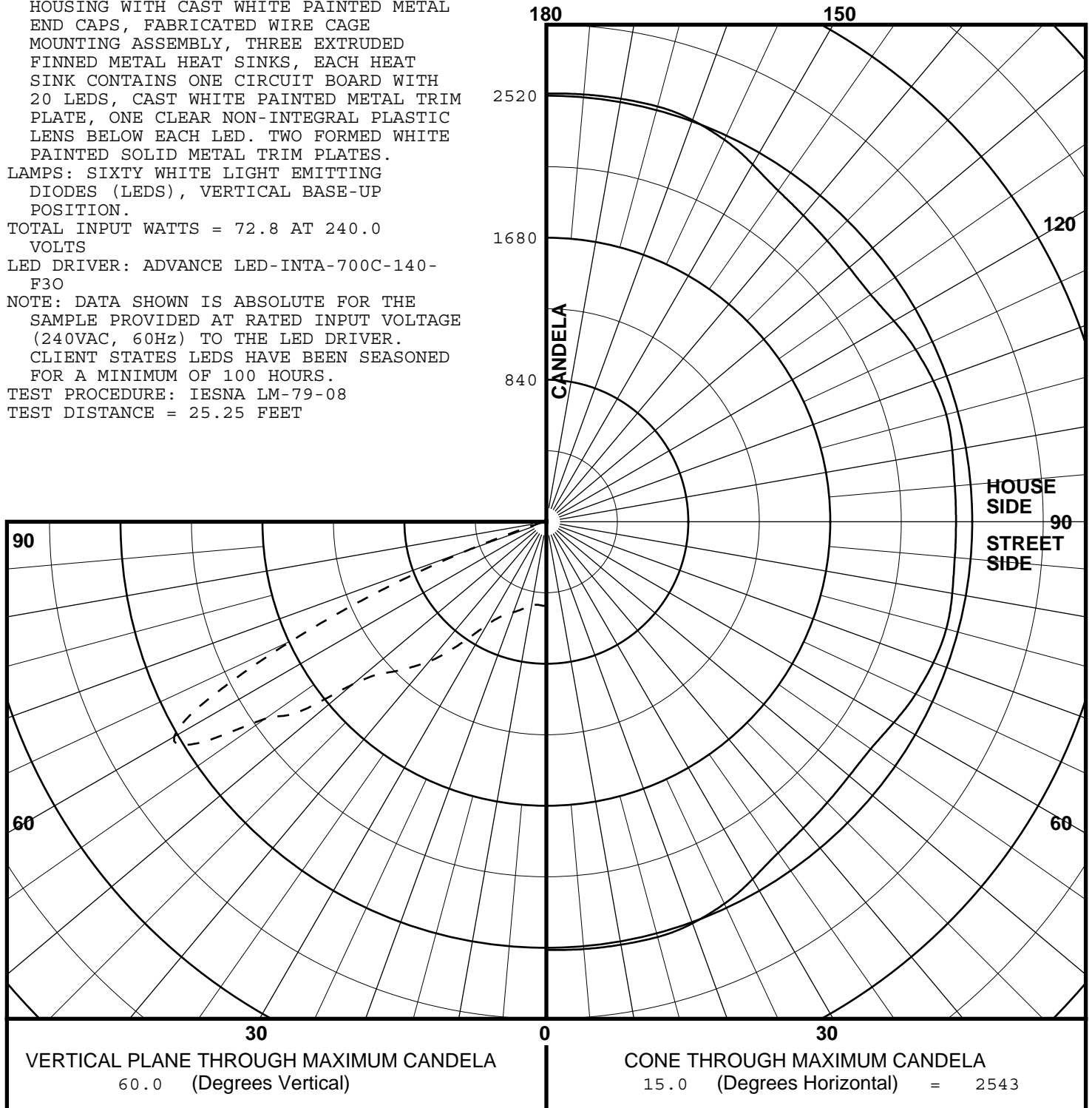
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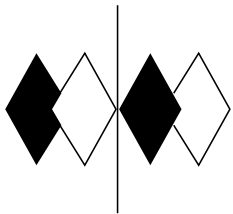
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REPORT NUMBER: ITL64112
DATE: 01/26/10
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CATALOG NUMBER: PKG-EDG-5S-**-06-C-UL-WH or BXPS*R06C-UW (350mA)
LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH CAST WHITE PAINTED METAL END CAPS, FABRICATED WIRE CAGE MOUNTING ASSEMBLY, THREE EXTRUDED FINNED METAL HEAT SINKS, EACH HEAT SINK CONTAINS ONE CIRCUIT BOARD WITH 20 LEDS, CAST WHITE PAINTED METAL TRIM PLATE, ONE CLEAR NON-INTEGRAL PLASTIC LENS BELOW EACH LED. TWO FORMED WHITE PAINTED SOLID METAL TRIM PLATES.
LAMPS: SIXTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.
TOTAL INPUT WATTS = 72.8 AT 240.0 VOLTS
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NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER. CLIENT STATES LEDS HAVE BEEN SEASONED FOR A MINIMUM OF 100 HOURS.
TEST PROCEDURE: IESNA LM-79-08
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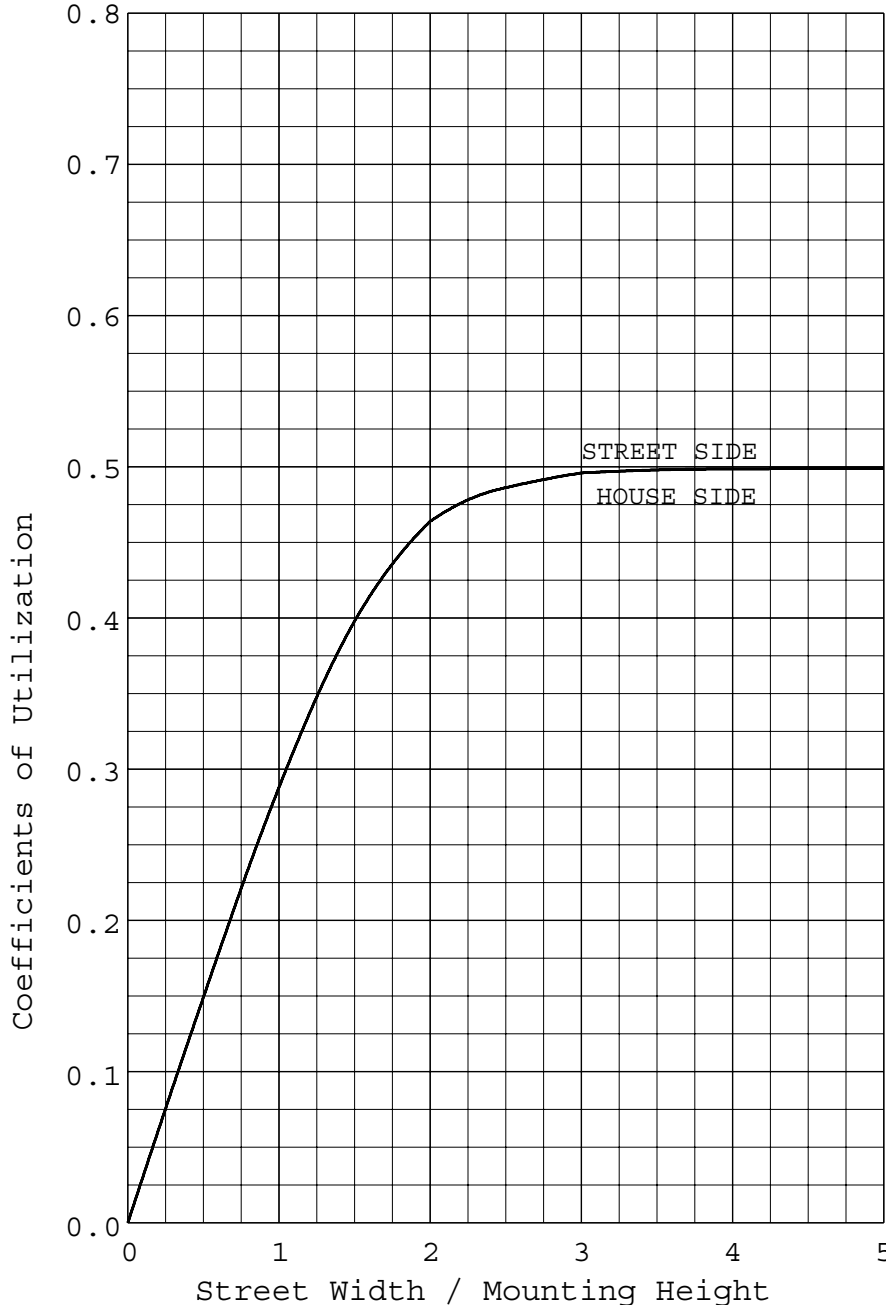
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





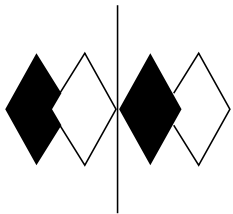
REPORT NUMBER: ITL64112
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	2899.	50.0
DOWNWARD HOUSE SIDE	2899.	50.0
DOWNWARD TOTAL	5797.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	5797.	100.0
EFFICACY = 79.6 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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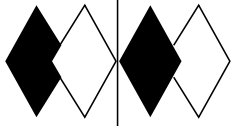
FLUX DISTRIBUTION BY SOLID ANGLE
 (PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION
 SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE
FORWARD LIGHT	2899.	50.0
FL (0- 30)		4.2
FM (30- 60)		29.4
FH (60- 80)		16.2
FVH(80- 90)		0.1
BACK LIGHT	2899.	50.0
BL (0- 30)		4.2
BM (30- 60)		29.4
BH (60- 80)		16.2
BVH(80- 90)		0.1
UPLIGHT	0.	0.0
UL (90-100)		0.0
UH (100-180)		0.0
TRAPPED LIGHT	0.	0.0
TOTAL FLUX	5797.	100.0

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

BUG RATING: B2 U0 G1	FIRST DETERMINING SECONDARY SOLID ANGLE*	LUMENS
BACKLIGHT RATING: B2	BH	942.7
UPLIGHT RATING : U0	UH	0.0
GLARE RATING : G1	FH	942.7

* NOTE: OTHER DETERMINING SOLID ANGLES MAY FALL INTO THIS SAME CATEGORY. ONLY THE FIRST DETERMINING ANGLES FROM THE TABLES A1-A3 IN THE ADDENDUM ARE SHOWN.



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REPORT NUMBER: ITL64112

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PREPARED FOR: BETALED, A DIVISION OF RUUD LIGHTING

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
180.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
92.5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	4.	4.	4.	4.	3.	3.	5.	4.	4.	4.	3.
85.0	8.	8.	9.	11.	12.	15.	14.	10.	8.	8.	8.
V 82.5	14.	14.	16.	19.	27.	41.	27.	19.	15.	14.	13.
E 80.0	23.	23.	25.	30.	53.	93.	56.	31.	25.	22.	22.
R 77.5	34.	35.	39.	53.	124.	207.	138.	57.	39.	34.	34.
T 75.0	54.	54.	64.	126.	291.	396.	313.	151.	70.	54.	53.
I 72.5	103.	108.	170.	347.	566.	663.	582.	396.	214.	133.	125.
C 70.0	365.	380.	512.	735.	915.	1001.	922.	766.	588.	469.	453.
A 67.5	918.	935.	1049.	1198.	1321.	1408.	1329.	1209.	1103.	1019.	1006.
L 65.0	1603.	1606.	1658.	1709.	1763.	1805.	1762.	1711.	1666.	1633.	1619.
62.5	2196.	2201.	2224.	2222.	2172.	2128.	2144.	2192.	2179.	2134.	2122.
A 60.0 <<	2533.	2537.	2543.	2493.	2391.	2350.	2343.	2411.	2450.	2426.	2424.
N 57.5	2411.	2416.	2434.	2409.	2384.	2392.	2345.	2338.	2331.	2290.	2284.
G 55.0	2030.	2027.	2033.	2084.	2175.	2239.	2153.	2044.	1965.	1935.	1935.
L 52.5	1918.	1909.	1851.	1800.	1831.	1880.	1824.	1777.	1795.	1807.	1807.
E 50.0	1469.	1467.	1498.	1623.	1694.	1722.	1704.	1622.	1491.	1440.	1435.
47.5	1369.	1362.	1329.	1297.	1338.	1394.	1337.	1294.	1319.	1346.	1349.
45.0	1262.	1259.	1247.	1236.	1223.	1213.	1220.	1241.	1257.	1264.	1263.
42.5	1170.	1168.	1162.	1162.	1165.	1164.	1161.	1162.	1165.	1170.	1169.
40.0	1079.	1079.	1078.	1081.	1085.	1083.	1078.	1076.	1077.	1075.	1072.
37.5	979.	979.	981.	986.	990.	987.	982.	976.	967.	961.	960.
35.0	879.	879.	876.	875.	894.	872.	867.	862.	859.	856.	855.
32.5	788.	787.	782.	777.	770.	766.	764.	766.	767.	766.	765.
30.0	710.	710.	705.	701.	696.	693.	692.	694.	693.	694.	693.
25.0	616.	616.	614.	612.	610.	608.	608.	609.	608.	608.	607.
20.0	572.	571.	570.	569.	568.	568.	567.	567.	565.	564.	564.
15.0	534.	534.	533.	532.	531.	530.	530.	530.	529.	529.	529.
10.0	502.	501.	501.	501.	500.	501.	500.	500.	500.	500.	499.
5.0	495.	494.	494.	494.	494.	495.	494.	495.	494.	495.	493.
0.0	498.	498.	498.	498.	498.	498.	498.	498.	498.	498.	498.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA