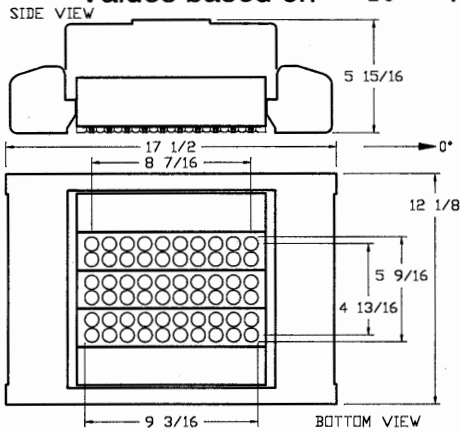


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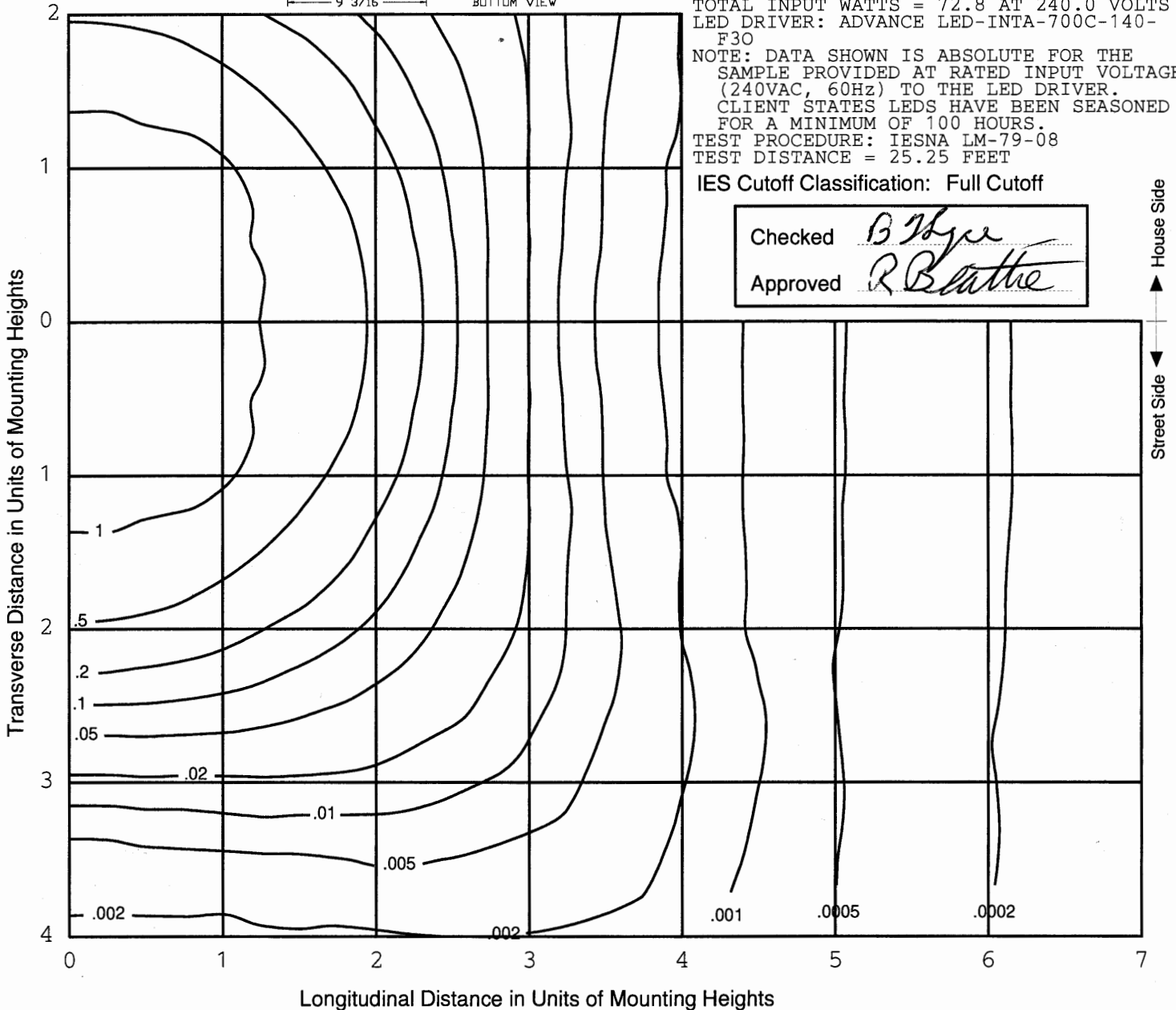
**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**  
 Values based on 20 foot mounting height.



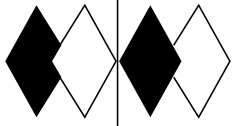
REPORT NUMBER: ITL64112  
 DATE: 01/26/10  
 PREPARED FOR: BETALED, A DIVISION OF RUUD LIGHTING  
 CATALOG NUMBER: PKG-EDG-5S-\*\*-03-C-UL or BXPS0R06C-UW (350mA)  
 LUMINAIRE: EXTRUDED WHITE PAINTED METAL HOUSING WITH CAST WHITE PAINTED METAL END CAPS, FABRICATED WIRE CAGE MOUNTING ASSEMBLY, THREE EXTRUDED 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 LEDES 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.



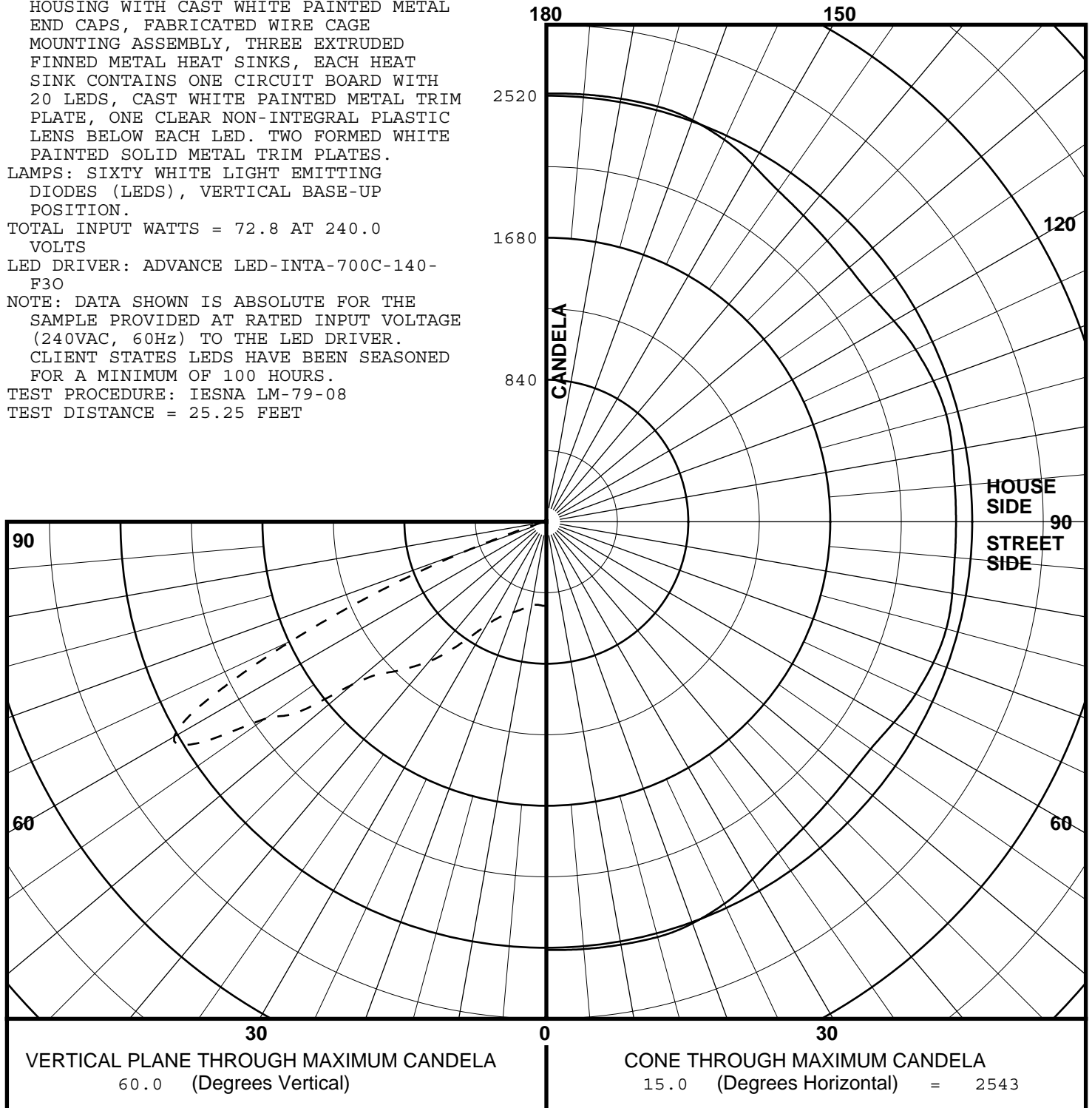
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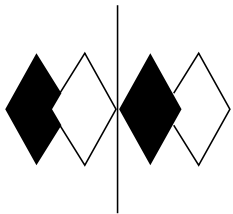
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REPORT NUMBER: ITL64112  
 DATE: 01/26/10  
 PREPARED FOR: BETALED, A DIVISION OF  
 RUUD LIGHTING  
 CATALOG NUMBER: PKG-EDG-5S-\*\*-06-C-UL-WH  
 or BXPS\*R06C-UW (350mA)  
 LUMINAIRE: EXTRUDED WHITE PAINTED METAL  
 HOUSING WITH CAST WHITE PAINTED 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  
 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

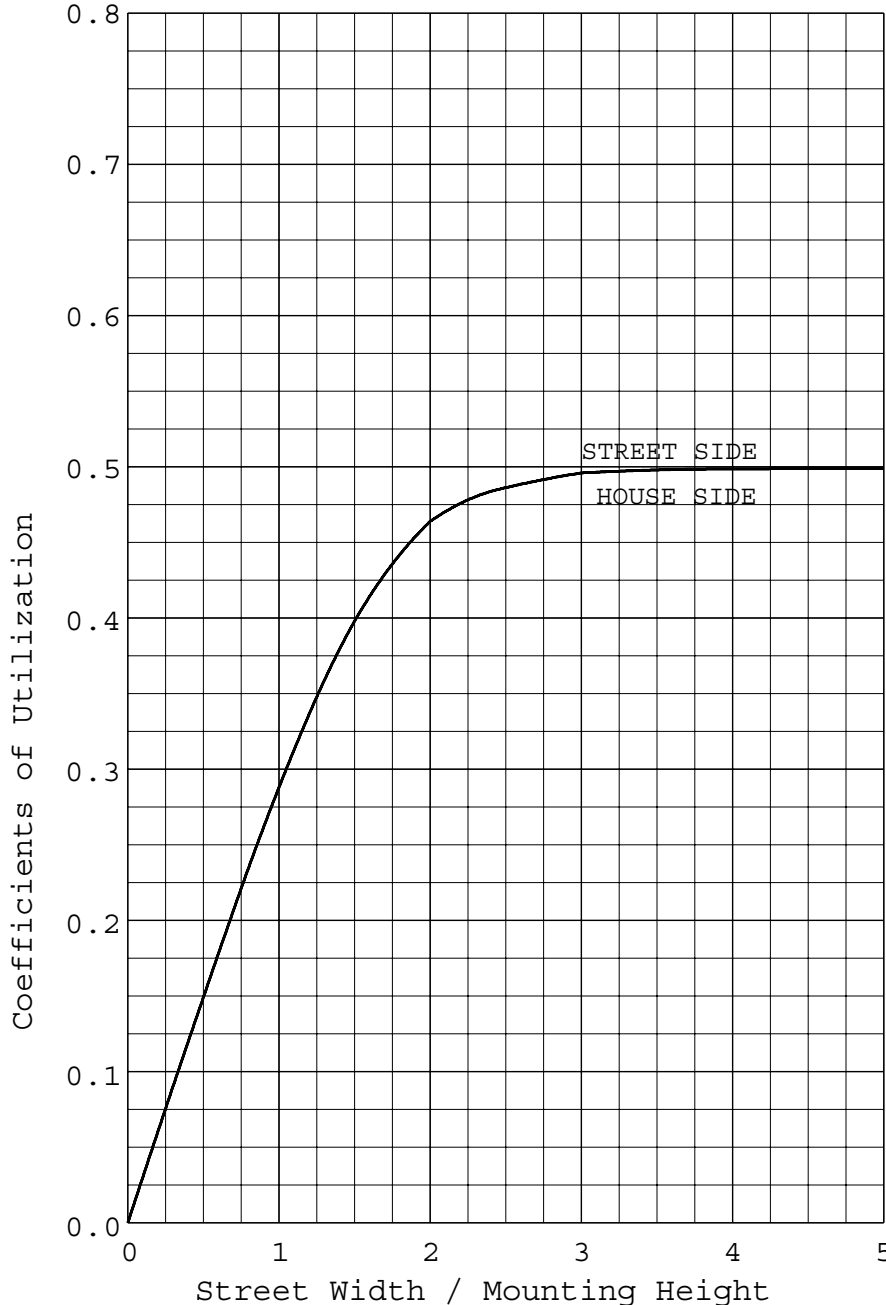
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





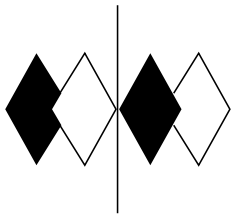
REPORT NUMBER: ITL64112  
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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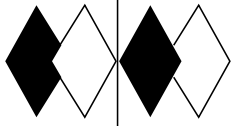
FLUX DISTRIBUTION BY SOLID ANGLE  
 (PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION  
 SYSTEM FOR OUTDOOR LUMINAIRES)

	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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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