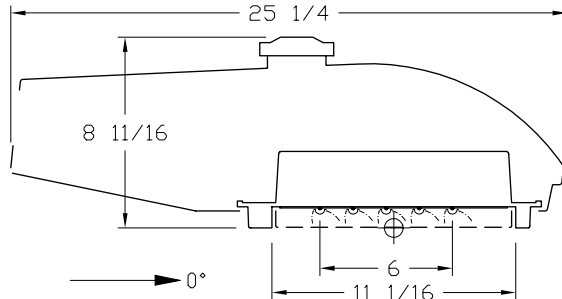


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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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

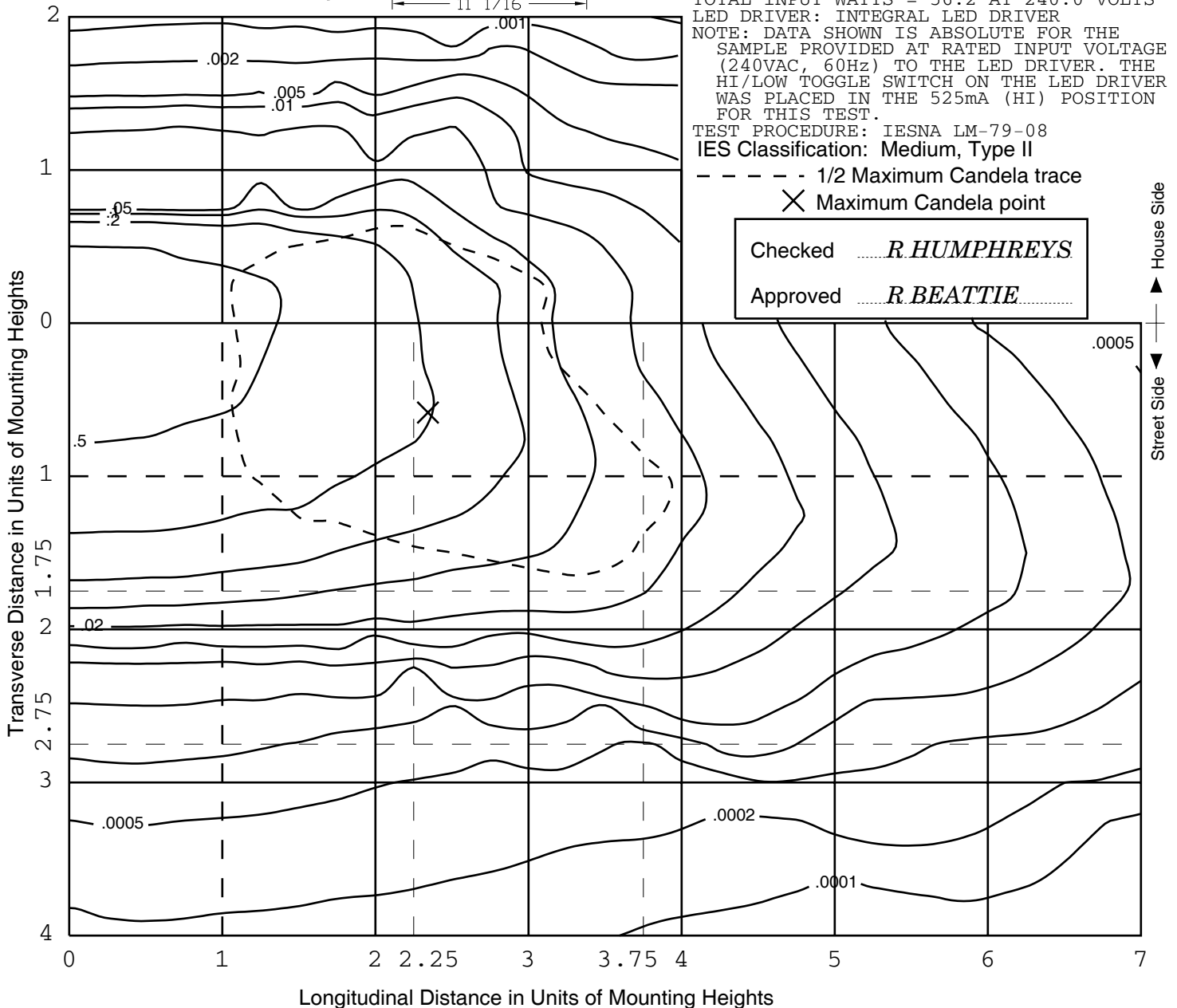
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 25 foot mounting height.



REPORT NUMBER: ITL65040
DATE: 06/05/10
REVISED: 07/07/10
PREPARED FOR: ECOFIT LIGHTING
CATALOG NUMBER: DURASTREET 30 SERIES,
525mA, TYPE 2/3
LUMINAIRE: CAST METAL HOUSING. ONE LED
MODULE CONSISTING OF: CAST FINNED
METAL HEAT SINK AND LED DRIVER
HOUSING, ONE WHITE CIRCUIT BOARD WITH
FIVE ROWS OF SIX LEDS, ONE CLEAR
PLASTIC LENS BELOW EACH LED, FIVE
MOLDED BLACK PLASTIC REFLECTORS WITH
SPECULAR FINISH, CLEAR PLASTIC LENS.
CAST GRAY PAINTED METAL DOOR FRAME.
LED MODULE NOT DISASSEMBLED FOR
INSPECTION.
LAMPS: THIRTY WHITE LIGHT EMITTING DIODES
(LEDS), VERTICAL BASE-UP POSITION.
TOTAL INPUT WATTS = 56.2 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
IES Classification: Medium, Type II

----- 1/2 Maximum Candela trace
X Maximum Candela point

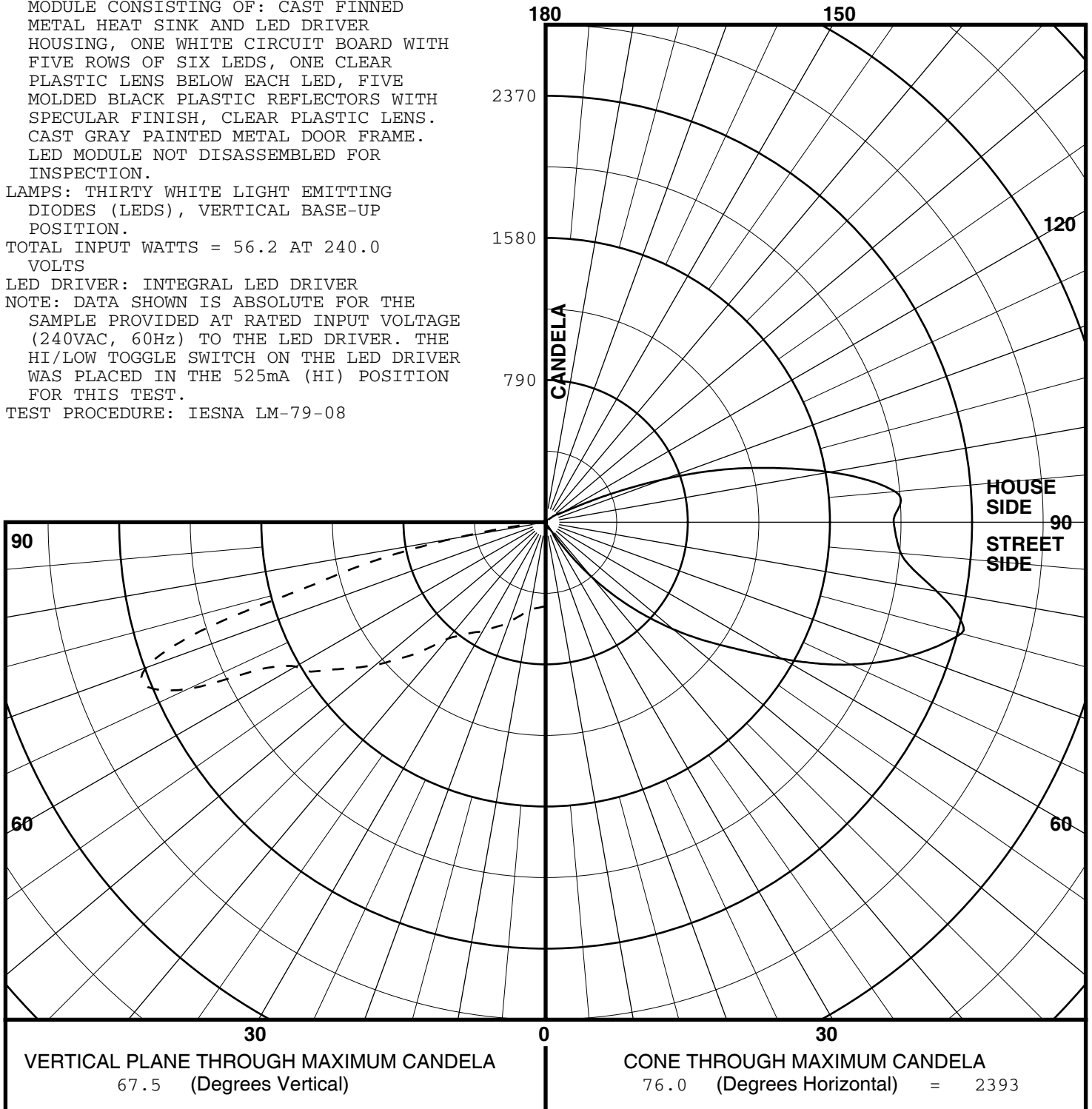


Checked *R. HUMPHREYS*
Approved *R. BEATTIE*



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 HI/LOW TOGGLE SWITCH ON THE LED DRIVER
 WAS PLACED IN THE 525mA (HI) POSITION
 FOR THIS TEST.
 TEST PROCEDURE: IESNA LM-79-08

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





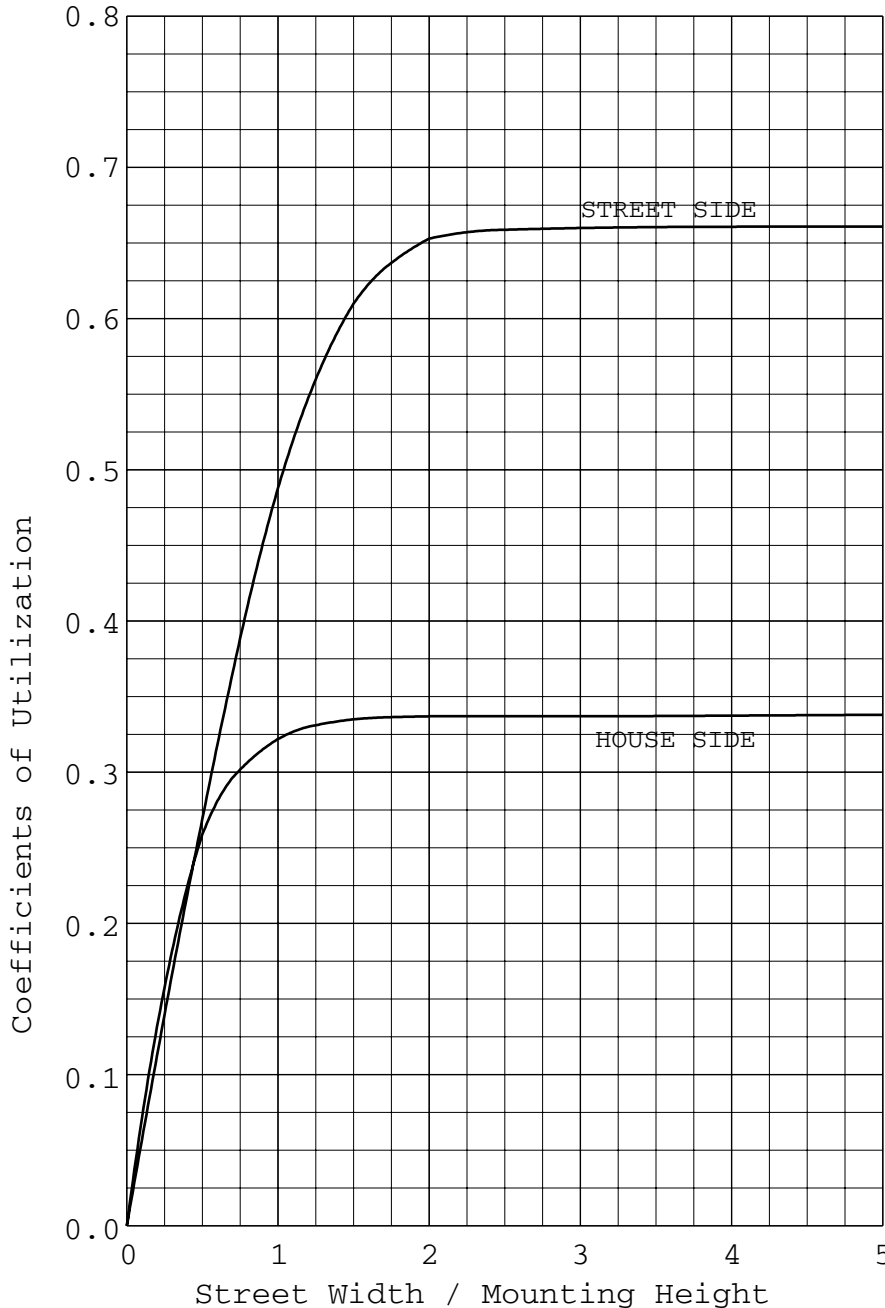
REPORT NUMBER: ITL65040

DATE: 06/05/10

REVISED: 07/07/10

PREPARED FOR: ECOFIT LIGHTING

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	1989.	66.2
DOWNWARD HOUSE SIDE	1016.	33.8
DOWNWARD TOTAL	3005.	100.0
UPWARD STREET SIDE	0.	0.0
UPWARD HOUSE SIDE	0.	0.0
UPWARD TOTAL	0.	0.0
TOTAL FLUX	3005.	100.0
EFFICACY = 53.5 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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PREPARED FOR: ECOFIT LIGHTING

FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	1989.	66.2	
FL (0- 30)	234.5	7.8	
FM (30- 60)	1032.1	34.3	
FH (60- 80)	708.6	23.6	G1
FVH(80- 90)	13.8	0.5	U1 G1
BACK LIGHT	1016.	33.8	
BL (0- 30)	224.9	7.5	B1
BM (30- 60)	521.5	17.4	B1
BH (60- 80)	265.0	8.8	B1 G1
BVH(80- 90)	4.3	0.1	U0 G0
UPLIGHT	0.	0.0	
UL (90-100)	0.0	0.0	U0
UH (100-180)	0.0	0.0	U0
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	3005.	100.0	

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

BUG RATING: B1 U1 G1



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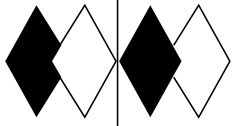
DATE: 06/05/10
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CANDELA TABULATION

	LATERAL ANGLE										
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	76.0	85.0
90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
87.5	1.	1.	1.	1.	2.	3.	4.	6.	10.	11.	10.
85.0	2.	2.	2.	3.	3.	4.	7.	12.	33.	39.	32.
82.5	3.	3.	3.	4.	5.	7.	11.	25.	142.	164.	98.
80.0	4.	4.	4.	5.	7.	10.	18.	127.	559.	519.	253.
77.5	5.	6.	6.	8.	11.	16.	33.	688.	1052.	946.	478.
75.0	8.	9.	10.	12.	16.	25.	110.	1391.	1424.	1327.	697.
72.5	13.	14.	15.	19.	24.	44.	525.	1717.	2018.	2011.	1200.
70.0	18.	19.	22.	26.	37.	227.	992.	1848.	2348.	2364.	1834.
67.5<<	25.	26.	31.	40.	131.	659.	1191.	1872.	2392.	2393.	1982.
65.0	38.	39.	53.	137.	492.	928.	1276.	1718.	2187.	2195.	1955.
62.5	140.	151.	253.	464.	720.	984.	1468.	1592.	1811.	1755.	1766.
60.0	429.	433.	503.	645.	796.	983.	1478.	1668.	1718.	1605.	1594.
57.5	535.	537.	594.	717.	814.	1012.	1357.	1546.	1575.	1545.	1663.
V 55.0	610.	612.	640.	718.	832.	1037.	1208.	1447.	1414.	1425.	1557.
E 52.5	606.	606.	632.	731.	860.	1053.	1147.	1356.	1309.	1328.	1444.
R 50.0	633.	633.	666.	757.	881.	949.	1097.	1260.	1214.	1234.	1327.
T 47.5	658.	658.	690.	777.	851.	881.	1040.	1114.	1114.	1131.	1196.
I 45.0	683.	682.	714.	769.	785.	865.	979.	950.	1020.	1039.	1084.
C 42.5	689.	686.	683.	716.	765.	848.	912.	836.	918.	936.	983.
A 40.0	651.	653.	647.	692.	762.	825.	839.	774.	835.	845.	877.
L 37.5	627.	628.	647.	693.	753.	790.	757.	732.	792.	796.	816.
35.0	644.	644.	655.	689.	733.	744.	683.	697.	753.	756.	771.
A 32.5	641.	644.	655.	675.	704.	678.	644.	676.	722.	725.	736.
N 30.0	631.	634.	642.	655.	653.	613.	617.	657.	697.	700.	704.
G 27.5	617.	619.	618.	610.	587.	576.	600.	637.	668.	668.	669.
L 25.0	575.	573.	567.	550.	548.	563.	588.	622.	640.	640.	640.
E 22.5	522.	517.	516.	519.	531.	549.	577.	605.	617.	617.	615.
20.0	499.	499.	502.	509.	520.	540.	563.	583.	590.	590.	587.
17.5	494.	494.	497.	502.	513.	530.	549.	560.	562.	561.	558.
15.0	494.	494.	495.	499.	509.	519.	531.	535.	536.	536.	534.
12.5	496.	494.	493.	498.	504.	509.	512.	513.	513.	512.	512.
10.0	493.	491.	491.	494.	496.	497.	498.	498.	496.	495.	494.
7.5	487.	484.	485.	485.	488.	488.	487.	485.	484.	484.	483.
5.0	480.	478.	478.	477.	477.	478.	478.	478.	479.	478.	477.
2.5	472.	470.	470.	470.	471.	471.	471.	471.	471.	471.	471.
0.0	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION

	HOUSE SIDE		LATERAL ANGLE									
	90.0	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0	
	90.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	7.	7.	5.	3.	2.	1.	1.	1.	1.	0.	0.
	85.0	24.	19.	11.	5.	3.	2.	1.	1.	1.	1.	1.
	82.5	61.	52.	22.	9.	5.	3.	2.	2.	1.	1.	1.
	80.0	147.	157.	49.	15.	7.	4.	3.	2.	2.	2.	1.
	77.5	355.	359.	216.	25.	10.	6.	4.	3.	3.	2.	2.
	75.0	627.	630.	255.	58.	13.	7.	5.	4.	3.	2.	2.
	72.5	1064.	1090.	210.	199.	19.	10.	6.	5.	4.	4.	3.
	70.0	1697.	1754.	442.	449.	33.	12.	7.	6.	5.	4.	3.
	67.5<<	1934.	1950.	1162.	287.	78.	17.	9.	7.	5.	4.	4.
	65.0	1934.	1946.	1550.	165.	195.	26.	11.	8.	6.	5.	5.
	62.5	1820.	1795.	1484.	125.	235.	59.	17.	10.	7.	6.	6.
	60.0	1621.	1630.	1617.	135.	145.	110.	29.	13.	10.	7.	7.
	57.5	1681.	1687.	1704.	363.	108.	136.	68.	23.	13.	10.	10.
V	55.0	1562.	1573.	1589.	724.	87.	95.	106.	54.	29.	19.	18.
E	52.5	1446.	1448.	1455.	925.	74.	72.	102.	79.	51.	44.	43.
R	50.0	1329.	1334.	1315.	948.	122.	62.	74.	85.	76.	61.	59.
T	47.5	1203.	1212.	1179.	933.	332.	55.	64.	62.	69.	72.	71.
I	45.0	1099.	1106.	1089.	898.	555.	56.	55.	53.	52.	53.	53.
C	42.5	992.	996.	954.	856.	648.	163.	50.	48.	47.	46.	47.
A	40.0	883.	887.	841.	819.	660.	384.	58.	44.	43.	41.	41.
L	37.5	822.	829.	788.	776.	660.	530.	198.	47.	41.	39.	38.
	35.0	776.	780.	745.	732.	664.	571.	405.	152.	54.	41.	40.
A	32.5	737.	745.	715.	700.	667.	578.	492.	357.	205.	134.	127.
N	30.0	703.	708.	688.	675.	649.	586.	513.	449.	388.	339.	332.
G	27.5	669.	674.	662.	641.	629.	590.	528.	476.	446.	428.	428.
L	25.0	640.	644.	639.	616.	603.	578.	540.	497.	468.	457.	456.
E	22.5	615.	616.	617.	593.	585.	561.	536.	513.	493.	484.	483.
	20.0	587.	590.	591.	572.	553.	545.	525.	511.	503.	500.	500.
	17.5	559.	561.	564.	551.	535.	523.	515.	504.	497.	492.	491.
	15.0	534.	534.	538.	531.	517.	503.	496.	497.	497.	495.	496.
	12.5	513.	513.	514.	513.	504.	495.	485.	483.	479.	478.	478.
	10.0	494.	494.	495.	496.	493.	488.	485.	481.	475.	473.	474.
	7.5	482.	483.	483.	483.	486.	485.	483.	477.	476.	475.	474.
	5.0	476.	475.	476.	476.	477.	476.	475.	475.	475.	472.	471.
	2.5	470.	470.	470.	469.	471.	471.	470.	469.	468.	467.	467.
	0.0	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.	467.

CONE OF MAXIMUM CANDELA