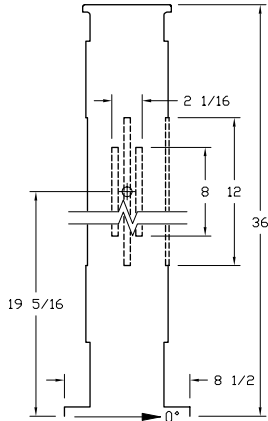


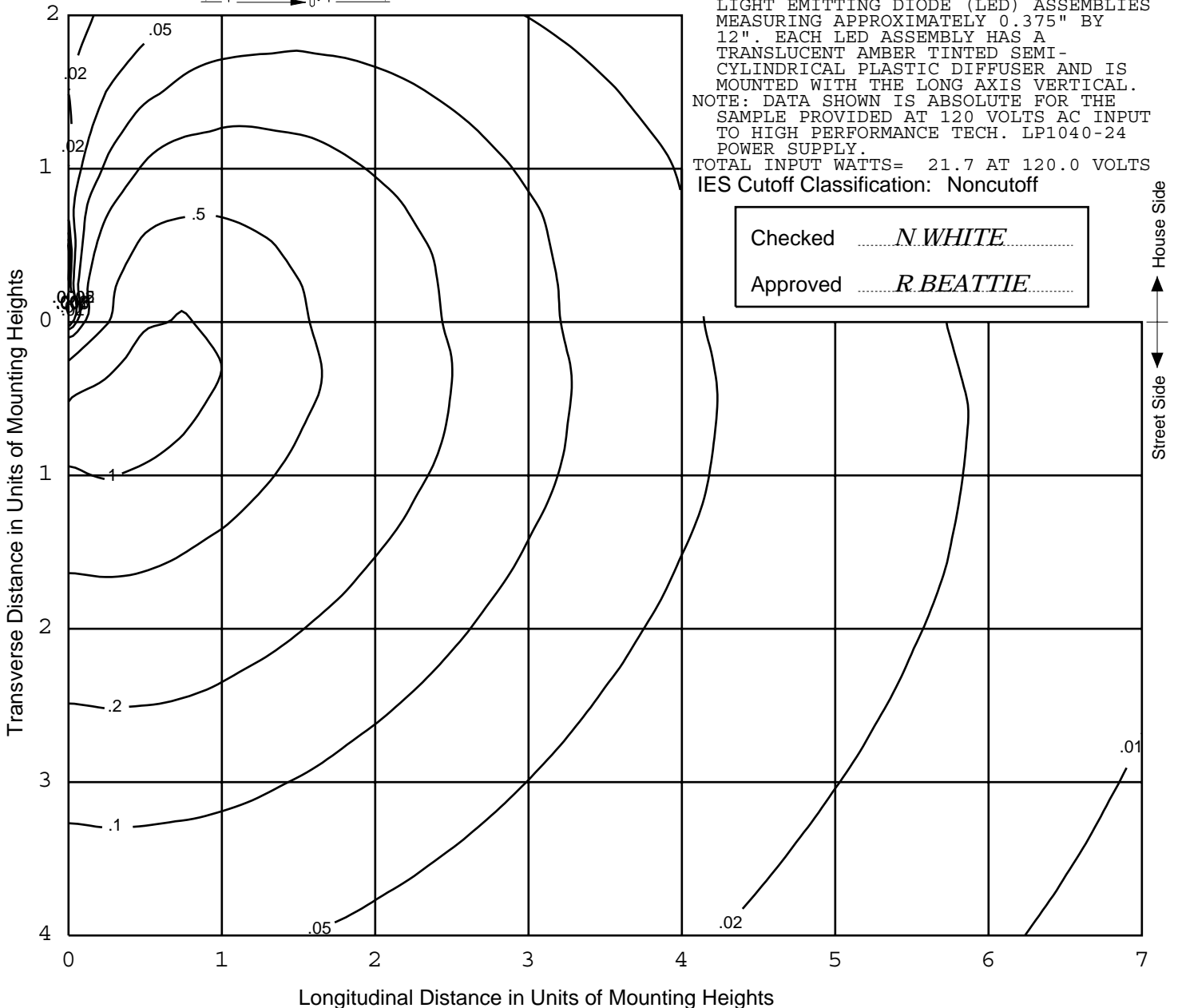


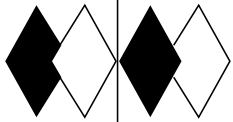
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 1.61 foot mounting height.



REPORT NUMBER: ITL56911
 DATE: 11/16/05
 PREPARED FOR: FAIRWEATHER SITE
 FURNISHINGS, A DIVISION OF LEADER
 MANUFACTURING, INC.
 CATALOG NUMBER: B-6-L 3-PANEL LIGHTED
 BOLLARD
 LUMINAIRE: FABRICATED SILVER PAINTED
 FOUR SIDED METAL HOUSING WITH ONE
 LIGHTED PANEL ON THREE SIDES, EACH
 LIGHTED PANEL HAS TWO SLOTS MEASURING
 APPROXIMATELY 0.4375" BY 8.0625" AND
 ONE SLOT MEASURING APPROXIMATELY
 0.4375" BY 12.0625". EACH SLOT
 CONTAINS ONE LED ASSEMBLY INSERTED
 FROM INTERIOR OF HOUSING.
 LAMPS: SIX ILLIGHT PN24W1-65 WHITE
 LIGHT EMITTING DIODE (LED) ASSEMBLIES
 MEASURING APPROXIMATELY 0.375" BY 8"
 AND THREE ILLIGHT PN24W1-65 WHITE
 LIGHT EMITTING DIODE (LED) ASSEMBLIES
 MEASURING APPROXIMATELY 0.375" BY
 12". EACH LED ASSEMBLY HAS A
 TRANSLUCENT AMBER TINTED SEMI-
 CYLINDRICAL PLASTIC DIFFUSER AND IS
 MOUNTED WITH THE LONG AXIS VERTICAL.
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE
 SAMPLE PROVIDED AT 120 VOLTS AC INPUT
 TO HIGH PERFORMANCE TECH. LP1040-24
 POWER SUPPLY.
 TOTAL INPUT WATTS= 21.7 AT 120.0 VOLTS
 IES Cutoff Classification: Noncutoff





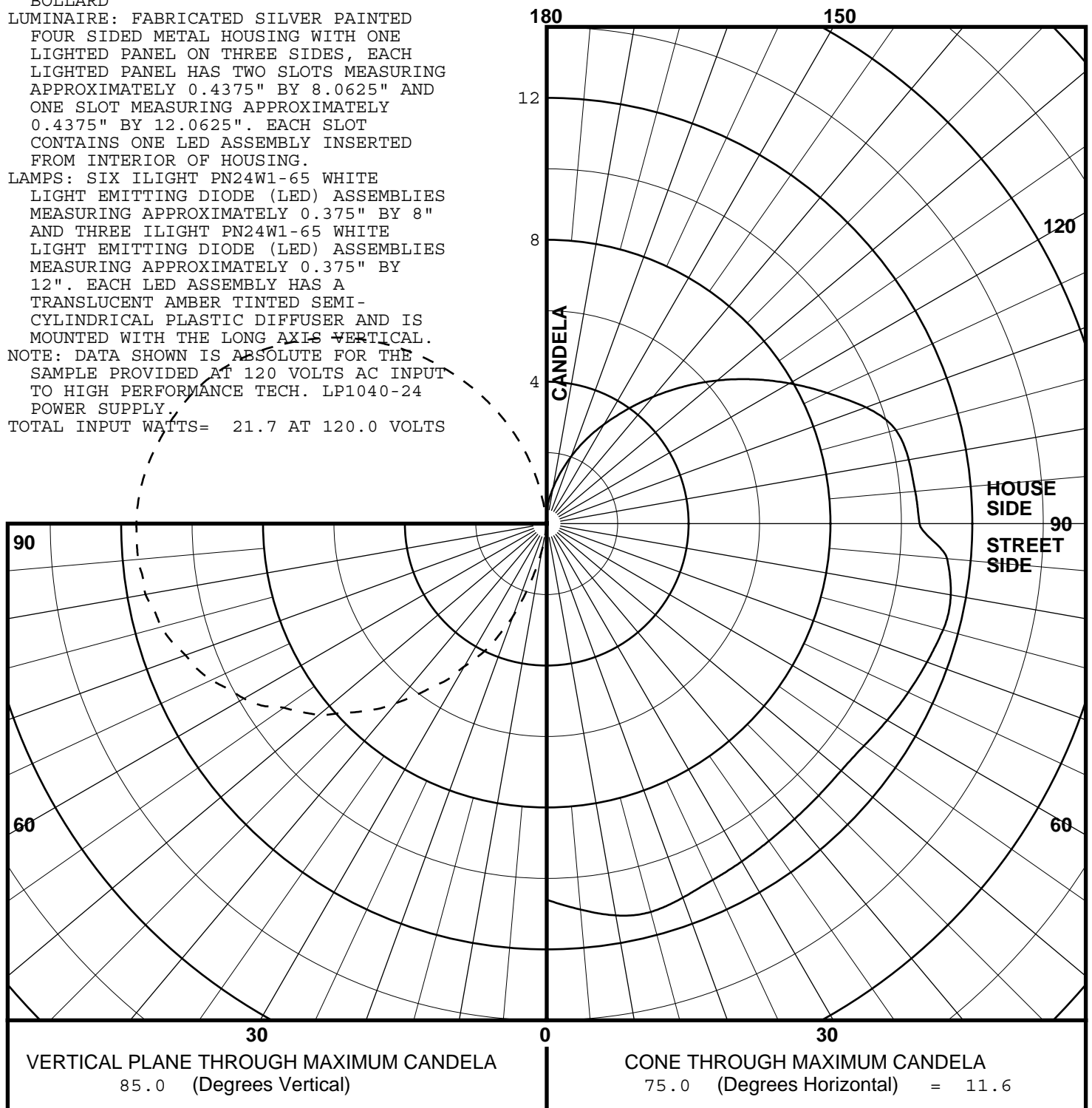
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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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

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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



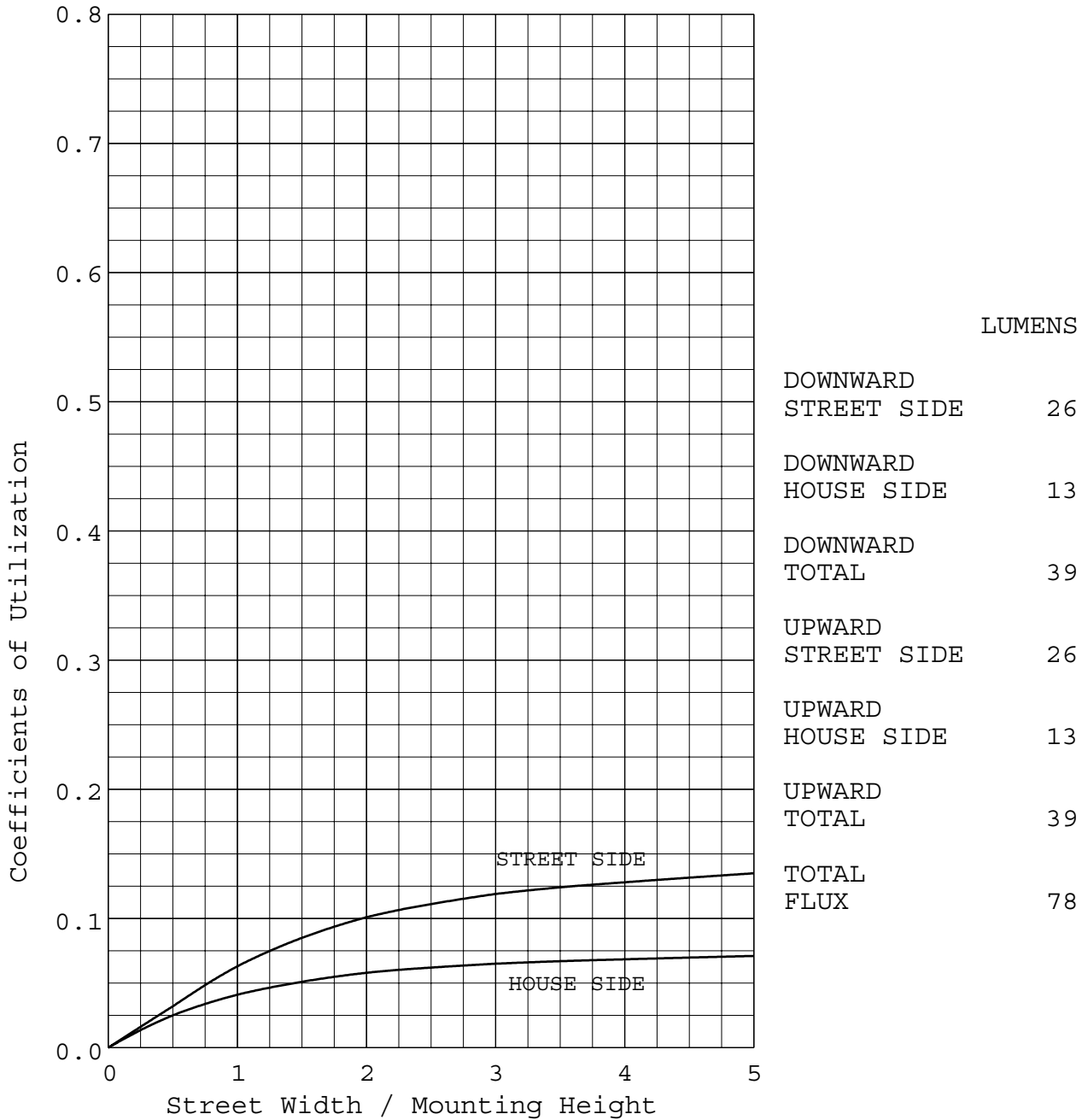


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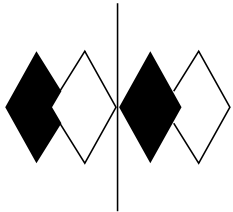
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 COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



ALL CANDELA, LUMENS AND COEFFICIENT OF UTILIZATION VALUES IN THIS REPORT ARE BASED ON RELATIVE PHOTOMETRY WHICH ASSUMES A BALLAST FACTOR OF 1.00. ANY CALCULATIONS PREPARED FROM THESE DATA SHOULD INCLUDE AN APPROPRIATE BALLAST FACTOR.



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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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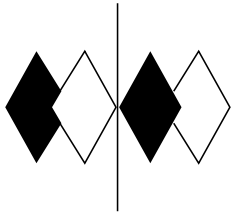
REPORT NUMBER: ITL56911 DATE: 11/16/05
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CANDELA TABULATION

	LATERAL ANGLE										
	0.0	5.0	15.0	25.0	35.0	45.0	55.0	65.0	75.0	85.0	90.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.3	0.0	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.0	0.1
165.0	1.6	1.5	1.7	1.8	1.9	2.0	1.9	1.8	1.8	1.5	1.4
155.0	3.3	3.3	3.5	3.7	3.8	3.8	3.8	3.8	3.7	3.3	3.0
145.0	4.9	5.1	5.5	5.5	5.6	5.6	5.6	5.6	5.5	5.2	4.8
135.0	6.5	6.8	7.3	7.3	7.3	7.3	7.3	7.4	7.3	7.0	6.4
125.0	8.0	8.4	8.7	8.7	8.7	8.7	8.7	8.8	8.9	8.6	7.9
115.0	9.1	9.5	9.9	9.8	9.7	9.7	9.8	9.9	10.2	9.9	9.1
105.0	10.1	10.4	10.8	10.6	10.3	10.3	10.5	10.8	11.0	10.8	9.9
95.0	10.4	10.9	11.3	11.0	10.8	10.7	10.8	11.2	11.5	11.3	10.4
90.0	10.6	10.9	11.3	11.1	10.8	10.8	10.9	11.2	11.6	11.3	10.5
87.5	10.6	11.0	11.3	11.1	10.9	10.8	10.9	11.3	11.6	11.3	10.5
85.0 <<	10.6	10.9	11.3	11.1	10.9	10.8	10.9	11.3	11.6	11.3	10.5
82.5	10.4	10.9	11.3	11.1	10.8	10.8	10.8	11.2	11.5	11.3	10.5
80.0	10.4	10.8	11.2	11.0	10.8	10.8	10.8	11.2	11.5	11.3	10.3
77.5	10.4	10.8	11.2	10.9	10.8	10.7	10.7	11.0	11.3	11.1	10.3
75.0	10.3	10.6	10.9	10.8	10.6	10.6	10.7	10.8	11.3	10.9	10.2
72.5	10.1	10.4	10.8	10.7	10.4	10.4	10.5	10.8	11.1	10.8	10.0
70.0	9.9	10.3	10.6	10.4	10.3	10.3	10.3	10.7	10.8	10.6	9.8
V 67.5	9.6	10.0	10.4	10.3	10.1	10.1	10.2	10.4	10.7	10.3	9.6
E 65.0	9.4	9.7	10.2	10.0	9.9	9.9	10.0	10.2	10.4	10.1	9.3
R 62.5	9.1	9.5	9.9	9.9	9.7	9.8	9.8	10.0	10.1	9.8	9.0
T 60.0	8.8	9.2	9.6	9.5	9.4	9.4	9.4	9.6	9.9	9.4	8.8
I 57.5	8.6	8.9	9.2	9.2	9.1	9.1	9.2	9.4	9.5	9.1	8.4
C 55.0	8.3	8.5	8.9	8.9	8.9	8.8	8.9	9.1	9.1	8.8	8.1
A 52.5	8.0	8.1	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.5	7.8
L 50.0	7.5	7.7	8.1	8.1	8.1	8.1	8.2	8.3	8.4	8.0	7.3
47.5	7.2	7.4	7.8	7.8	7.8	7.8	7.8	7.9	7.9	7.7	7.0
A 45.0	6.8	6.9	7.4	7.4	7.5	7.5	7.5	7.6	7.5	7.2	6.5
N 42.5	6.4	6.5	6.9	7.0	7.0	7.1	7.0	7.1	7.1	6.8	6.0
G 40.0	5.9	6.1	6.4	6.6	6.6	6.7	6.6	6.6	6.6	6.4	5.7
L 37.5	5.5	5.6	6.0	6.1	6.2	6.2	6.2	6.2	6.1	5.9	5.3
E 35.0	5.2	5.3	5.6	5.6	5.7	5.8	5.7	5.8	5.6	5.4	4.9
32.5	4.7	4.7	5.1	5.2	5.3	5.3	5.3	5.3	5.2	4.9	4.4
30.0	4.2	4.3	4.7	4.8	4.9	4.9	4.8	4.8	4.7	4.4	4.0
27.5	3.9	3.8	4.2	4.2	4.4	4.4	4.3	4.3	4.2	4.0	3.6
25.0	3.4	3.3	3.7	3.8	3.8	3.9	3.8	3.8	3.8	3.5	3.1
20.0	2.6	2.5	2.7	2.8	2.9	2.9	2.8	2.8	2.8	2.5	2.3
15.0	1.8	1.5	1.7	1.9	2.0	2.0	1.9	1.9	1.6	1.6	1.4
10.0	1.0	0.6	0.7	0.6	0.9	1.0	0.9	0.7	0.7	0.5	0.7
5.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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REPORT NUMBER: ITL56911 DATE: 11/16/05
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 MANUFACTURING, INC.

CANDELA TABULATION

	HOUSE SIDE		LATERAL ANGLE							
	95.0	105.0	115.0	125.0	135.0	145.0	155.0	165.0	175.0	180.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	1.5	1.5	1.2	1.1	0.7	0.5	0.2	0.0	0.0	0.0
155.0	3.1	3.0	2.7	2.3	1.8	1.3	0.8	0.3	0.0	0.0
145.0	4.7	4.7	4.2	3.5	2.8	2.0	1.3	0.6	0.1	0.2
135.0	6.4	6.3	5.5	4.6	3.6	2.6	1.8	1.0	0.3	0.2
125.0	7.9	7.7	6.6	5.5	4.4	3.1	2.1	1.1	0.4	0.3
115.0	9.1	8.7	7.6	6.2	4.9	3.6	2.3	1.2	0.6	0.3
105.0	9.9	9.5	8.2	6.8	5.2	3.8	2.5	1.4	0.6	0.3
95.0	10.3	10.0	8.6	7.0	5.4	3.9	2.6	1.5	0.7	0.3
90.0	10.5	10.2	8.7	7.2	5.4	3.9	2.6	1.5	0.6	0.3
87.5	10.5	10.2	8.7	7.1	5.5	3.9	2.6	1.4	0.6	0.3
85.0<<	10.4	10.2	8.7	7.1	5.5	3.9	2.6	1.5	0.6	0.3
82.5	10.4	10.1	8.6	7.1	5.4	3.9	2.6	1.5	0.7	0.3
80.0	10.3	9.9	8.6	7.0	5.4	3.9	2.6	1.5	0.6	0.3
77.5	10.3	9.9	8.5	6.9	5.4	3.8	2.6	1.5	0.6	0.3
75.0	10.1	9.8	8.4	6.8	5.3	3.8	2.6	1.5	0.7	0.3
72.5	9.9	9.6	8.2	6.8	5.3	3.8	2.5	1.5	0.6	0.3
70.0	9.8	9.4	8.1	6.7	5.1	3.8	2.5	1.4	0.6	0.3
V 67.5	9.4	9.2	8.0	6.5	5.1	3.8	2.5	1.4	0.6	0.3
E 65.0	9.3	9.0	7.8	6.4	5.0	3.6	2.5	1.3	0.6	0.3
R 62.5	9.0	8.7	7.5	6.3	4.9	3.6	2.4	1.3	0.6	0.3
T 60.0	8.6	8.5	7.3	6.0	4.7	3.5	2.3	1.3	0.6	0.3
I 57.5	8.3	8.1	7.0	5.9	4.7	3.3	2.3	1.2	0.6	0.3
C 55.0	8.1	7.8	6.8	5.6	4.5	3.2	2.1	1.1	0.5	0.3
A 52.5	7.7	7.6	6.5	5.5	4.2	3.1	2.0	1.1	0.5	0.2
L 50.0	7.3	7.1	6.2	5.2	4.0	3.0	2.0	1.1	0.5	0.2
47.5	6.9	6.8	5.9	5.0	3.8	2.8	1.9	1.0	0.5	0.2
A 45.0	6.5	6.4	5.5	4.7	3.7	2.7	1.8	1.0	0.3	0.2
N 42.5	6.1	5.9	5.2	4.4	3.5	2.5	1.7	1.0	0.3	0.2
G 40.0	5.6	5.6	4.8	4.2	3.3	2.4	1.5	0.8	0.3	0.2
L 37.5	5.3	5.1	4.5	3.8	3.1	2.3	1.5	0.8	0.2	0.2
E 35.0	4.8	4.7	4.2	3.5	2.8	2.0	1.3	0.6	0.2	0.2
32.5	4.3	4.3	3.8	3.3	2.5	1.9	1.2	0.6	0.2	0.0
30.0	4.0	3.9	3.4	2.8	2.3	1.6	1.1	0.5	0.2	0.0
27.5	3.5	3.6	3.1	2.7	2.1	1.5	0.9	0.4	0.1	0.0
25.0	3.1	3.1	2.5	2.4	1.8	1.3	0.8	0.4	0.0	0.0
20.0	2.2	2.3	2.0	1.7	1.3	0.9	0.6	0.2	0.0	0.0
15.0	1.4	1.5	1.3	1.1	0.8	0.5	0.2	0.0	0.0	0.0
10.0	0.7	0.6	0.5	0.5	0.3	0.1	0.0	0.0	0.0	0.0
5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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