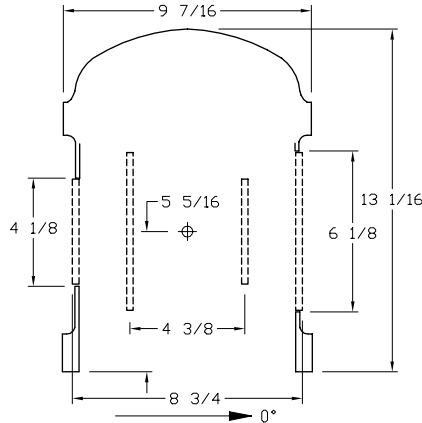


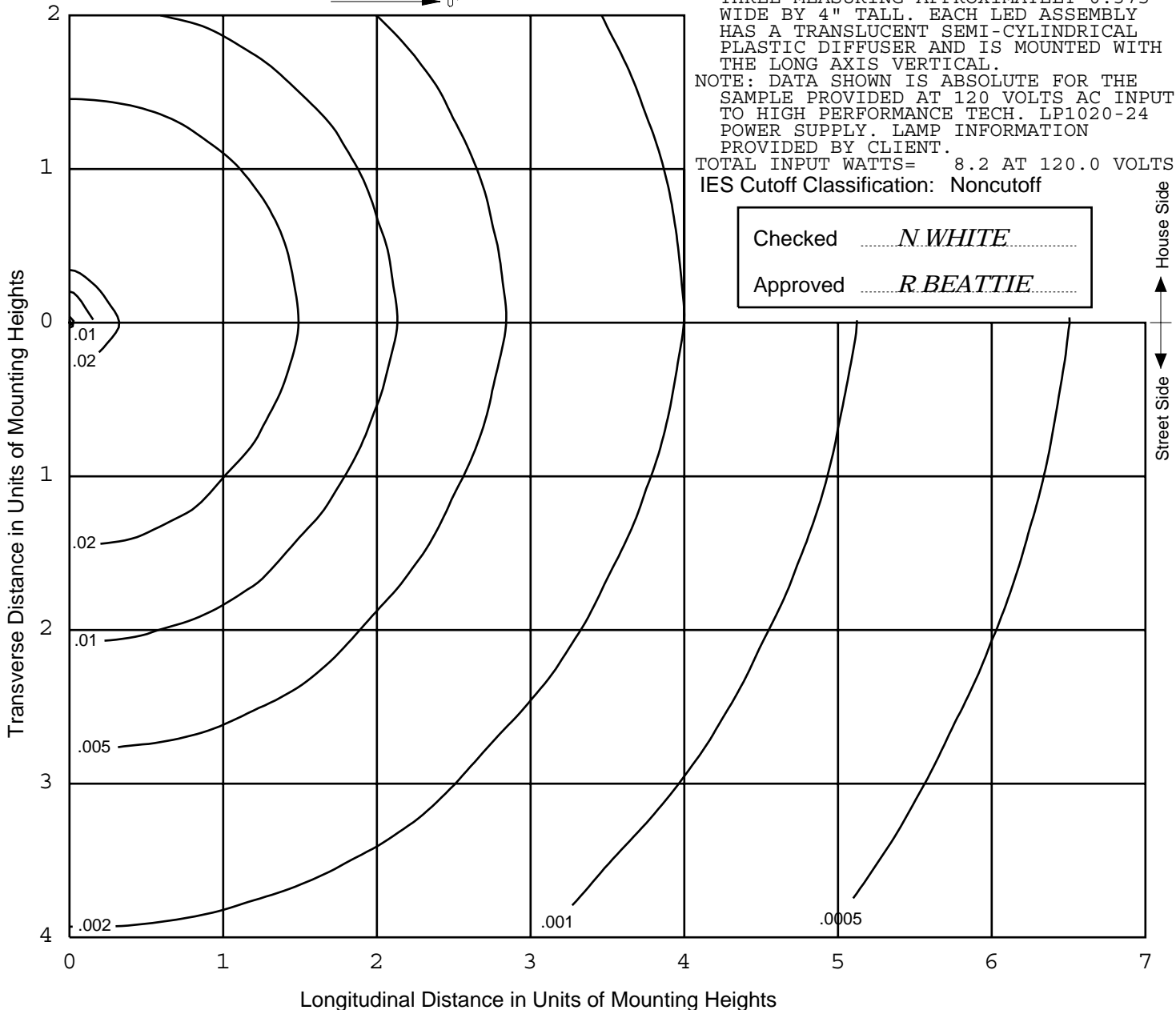


**ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION**

Values based on 4.44 foot mounting height.



REPORT NUMBER: ITL56096  
 DATE: 05/10/05  
 PREPARED FOR: FAIRWEATHER SITE  
 FURNISHINGS, A DIVISION OF LEADER  
 MANUFACTURING, INC.  
 CATALOG NUMBER: B-1 8" POST TOP BEACON  
 LUMINAIRE: FABRICATED BLUE PAINTED  
 CYLINDRICAL METAL HOUSING WITH SIX  
 SLOTS AROUND OUTER CIRCUMFERENCE,  
 THREE MEASURING APPROXIMATELY 0.4375"  
 WIDE BY 6.125" TALL, THREE MEASURING  
 APPROXIMATELY 0.4375" WIDE BY 4.125"  
 TALL. EACH SLOT CONTAINS ONE LED  
 ASSEMBLY INSERTED FROM THE INTERIOR  
 OF HOUSING.  
 LAMPS: SIX ILIGHT PN24W1-65 WHITE  
 LIGHT EMITTING DIODE (LED)  
 ASSEMBLIES, THREE MEASURING  
 APPROXIMATELY 0.375" WIDE BY 6" TALL,  
 THREE MEASURING APPROXIMATELY 0.375"  
 WIDE BY 4" TALL. EACH LED ASSEMBLY  
 HAS A TRANSLUCENT 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. LP1020-24  
 POWER SUPPLY. LAMP INFORMATION  
 PROVIDED BY CLIENT.  
 TOTAL INPUT WATTS= 8.2 AT 120.0 VOLTS  
 IES Cutoff Classification: Noncutoff





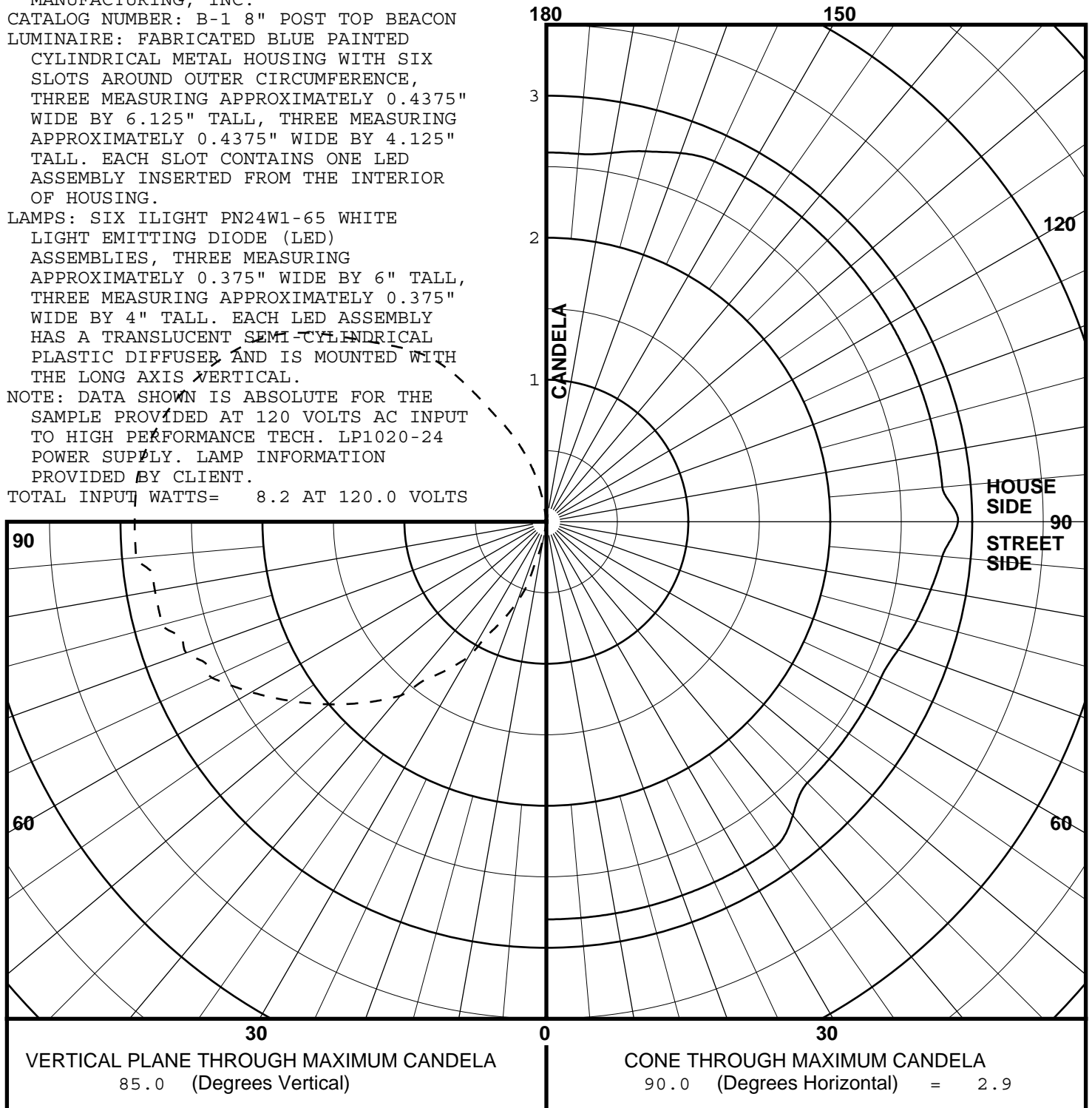
**itl boulder**  
THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

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: ITL56096  
 DATE: 05/10/05  
 PREPARED FOR: FAIRWEATHER SITE  
 FURNISHINGS, A DIVISION OF LEADER  
 MANUFACTURING, INC.  
 CATALOG NUMBER: B-1 8" POST TOP BEACON  
 LUMINAIRE: FABRICATED BLUE PAINTED  
 CYLINDRICAL METAL HOUSING WITH SIX  
 SLOTS AROUND OUTER CIRCUMFERENCE,  
 THREE MEASURING APPROXIMATELY 0.4375"  
 WIDE BY 6.125" TALL, THREE MEASURING  
 APPROXIMATELY 0.4375" WIDE BY 4.125"  
 TALL. EACH SLOT CONTAINS ONE LED  
 ASSEMBLY INSERTED FROM THE INTERIOR  
 OF HOUSING.  
 LAMPS: SIX ILLIGHT PN24W1-65 WHITE  
 LIGHT EMITTING DIODE (LED)  
 ASSEMBLIES, THREE MEASURING  
 APPROXIMATELY 0.375" WIDE BY 6" TALL,  
 THREE MEASURING APPROXIMATELY 0.375"  
 WIDE BY 4" TALL. EACH LED ASSEMBLY  
 HAS A TRANSLUCENT 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. LP1020-24  
 POWER SUPPLY. LAMP INFORMATION  
 PROVIDED BY CLIENT.  
 TOTAL INPUT WATTS= 8.2 AT 120.0 VOLTS

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



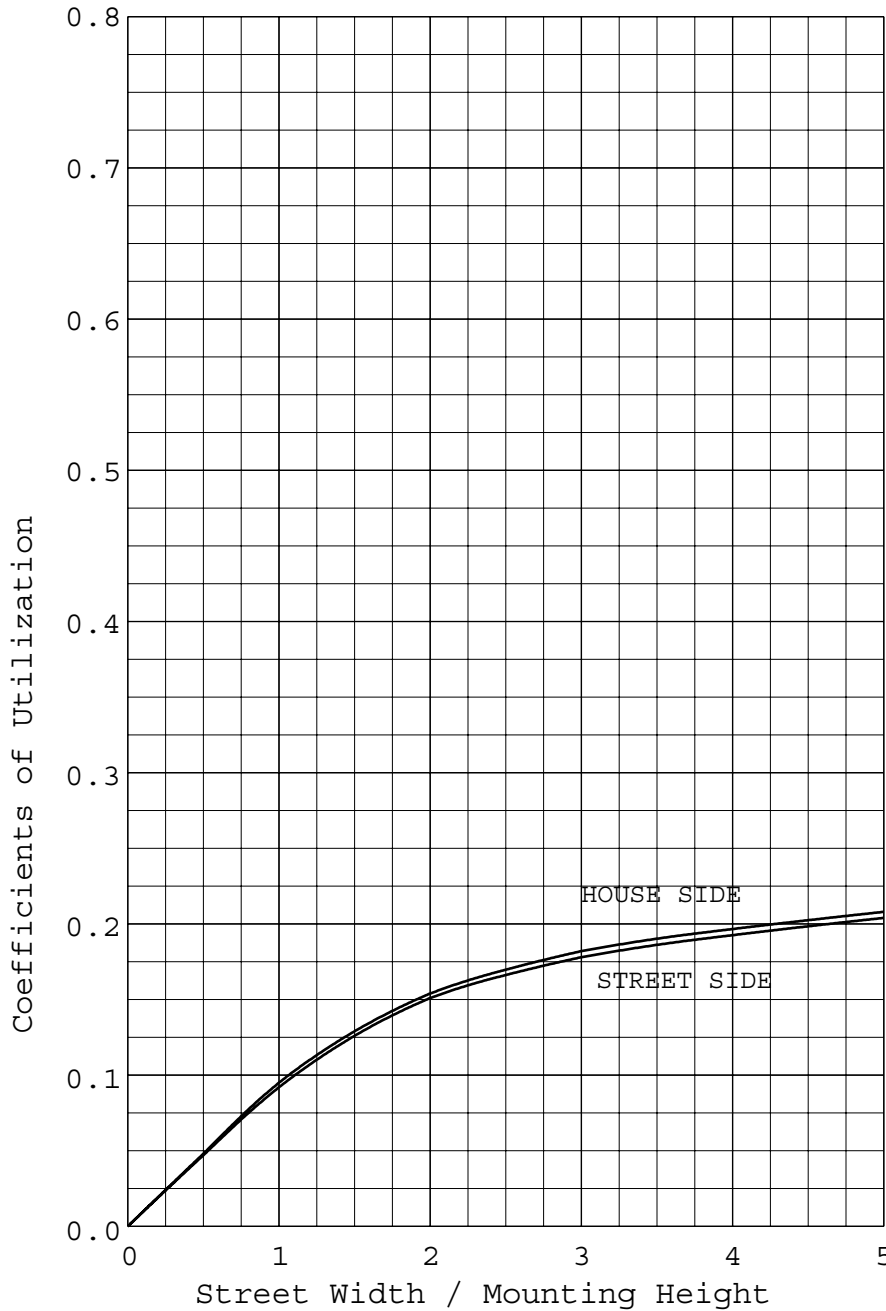


REPORT NUMBER: ITL56096

DATE: 05/10/05

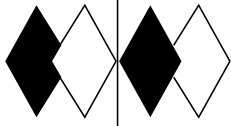
PREPARED FOR: FAIRWEATHER SITE FURNISHINGS, A DIVISION OF LEADER

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS
DOWNWARD STREET SIDE	6
DOWNWARD HOUSE SIDE	7
DOWNWARD TOTAL	13
UPWARD STREET SIDE	6
UPWARD HOUSE SIDE	7
UPWARD TOTAL	13
TOTAL FLUX	26

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.



**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

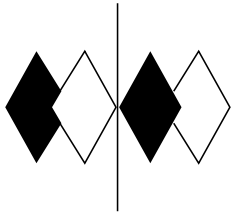
REPORT NUMBER: ITL56096 DATE: 05/10/05  
 PREPARED FOR: FAIRWEATHER SITE FURNISHINGS, A DIVISION OF LEADER

CANDELA TABULATION

	STREET SIDE			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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	165.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
	155.0	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	145.0	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4
	135.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
	125.0	2.1	2.2	2.2	2.2	2.2	2.1	2.1	2.2	2.2	2.2	2.3
	115.0	2.4	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.5	2.6	2.6
	105.0	2.6	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.8	2.8
	95.0	2.7	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.7	2.8	2.9
	90.0	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6	2.7	2.8	2.9
	87.5	2.8	2.8	2.8	2.8	2.8	2.6	2.6	2.6	2.7	2.8	2.9
	85.0 <<	2.8	2.8	2.8	2.8	2.8	2.6	2.6	2.6	2.7	2.8	2.9
	82.5	2.7	2.7	2.8	2.8	2.8	2.6	2.6	2.6	2.7	2.8	2.8
	80.0	2.7	2.7	2.8	2.8	2.7	2.6	2.6	2.6	2.7	2.8	2.8
	77.5	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.7	2.8
	75.0	2.6	2.7	2.7	2.7	2.7	2.5	2.6	2.5	2.6	2.7	2.8
	72.5	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.6	2.6	2.7
	70.0	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.5	2.5	2.6	2.7
V	67.5	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.5	2.5	2.6
E	65.0	2.5	2.5	2.5	2.5	2.5	2.4	2.4	2.4	2.4	2.5	2.6
R	62.5	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3	2.4	2.4	2.5
T	60.0	2.3	2.3	2.3	2.3	2.4	2.2	2.3	2.2	2.3	2.3	2.4
I	57.5	2.2	2.2	2.3	2.2	2.3	2.2	2.2	2.2	2.2	2.3	2.3
C	55.0	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.2	2.2
A	52.5	2.0	2.0	2.1	2.1	2.1	2.0	2.0	2.0	2.1	2.1	2.1
L	50.0	2.0	1.9	2.0	2.0	2.0	1.9	1.9	1.9	2.0	2.0	2.0
	47.5	1.9	1.8	1.9	1.9	1.9	1.8	1.9	1.8	1.9	1.8	1.9
A	45.0	1.8	1.8	1.8	1.8	1.8	1.7	1.8	1.7	1.8	1.7	1.8
N	42.5	1.7	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.7	1.6	1.7
G	40.0	1.5	1.5	1.6	1.5	1.5	1.5	1.5	1.5	1.6	1.5	1.6
L	37.5	1.4	1.4	1.5	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
E	35.0	1.3	1.3	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
	32.5	1.2	1.2	1.3	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2
	30.0	1.1	1.1	1.1	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.1
	27.5	1.0	1.0	1.0	0.9	0.9	0.9	0.9	0.9	1.0	0.9	0.9
	25.0	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
	20.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
	15.0	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.4	0.4	0.3	0.3
	10.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	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	0.0	0.0

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



**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: ITL56096 DATE: 05/10/05  
 PREPARED FOR: FAIRWEATHER SITE FURNISHINGS, A DIVISION OF LEADER

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
155.0	0.8	0.8	0.9	0.9	0.9	0.8	0.8	0.8	0.8	0.8
145.0	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
135.0	1.9	1.8	1.8	1.9	1.8	1.8	1.8	1.8	1.8	1.8
125.0	1.6	2.2	2.2	2.3	2.2	2.2	2.2	2.2	2.1	2.2
115.0	2.6	2.6	2.5	2.6	2.6	2.5	2.5	2.5	2.4	2.4
105.0	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.6	2.6
95.0	2.9	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6
90.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6
87.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6
85.0 <<	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6
82.5	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.6	2.6
80.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.6	2.6	2.6
77.5	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.6	2.5	2.6
75.0	2.7	2.7	2.7	2.8	2.7	2.7	2.7	2.6	2.5	2.5
72.5	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.5	2.5
70.0	2.6	2.6	2.6	2.7	2.6	2.6	2.6	2.5	2.4	2.5
V 67.5	2.6	2.6	2.6	2.6	2.6	2.6	2.5	2.5	2.4	2.4
E 65.0	2.5	2.5	2.5	2.6	2.5	2.5	2.5	2.4	2.3	2.4
R 62.5	2.5	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.3	2.3
T 60.0	2.4	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.2	2.2
I 57.5	2.3	2.3	2.3	2.3	2.3	2.3	2.2	2.2	2.1	2.2
C 55.0	2.2	2.2	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1
A 52.5	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	2.0
L 50.0	2.0	2.0	2.0	2.1	2.0	2.0	1.9	2.0	1.9	1.9
47.5	1.9	1.9	1.9	2.0	1.9	1.9	1.8	1.9	1.8	1.8
A 45.0	1.8	1.8	1.8	1.9	1.8	1.8	1.7	1.8	1.7	1.8
N 42.5	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.7	1.6	1.7
G 40.0	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.5	1.5
L 37.5	1.4	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4
E 35.0	1.3	1.4	1.4	1.4	1.3	1.3	1.2	1.3	1.3	1.3
32.5	1.1	1.3	1.2	1.3	1.2	1.2	1.1	1.2	1.1	1.2
30.0	1.0	1.1	1.1	1.2	1.1	1.1	1.0	1.1	1.0	1.1
27.5	0.9	1.0	1.0	1.0	1.0	0.9	0.8	0.9	0.9	0.9
25.0	0.8	0.9	0.8	0.9	0.8	0.8	0.8	0.8	0.8	0.8
20.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
15.0	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.3	0.3
10.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
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

CONE OF MAXIMUM CANDELA