



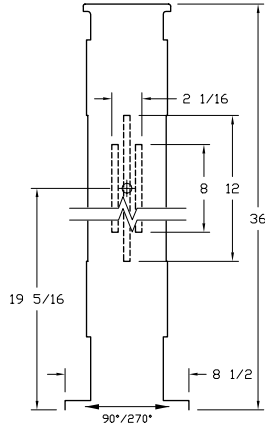
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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
3386 LONGHORN ROAD, BOULDER, CO 80302 USA

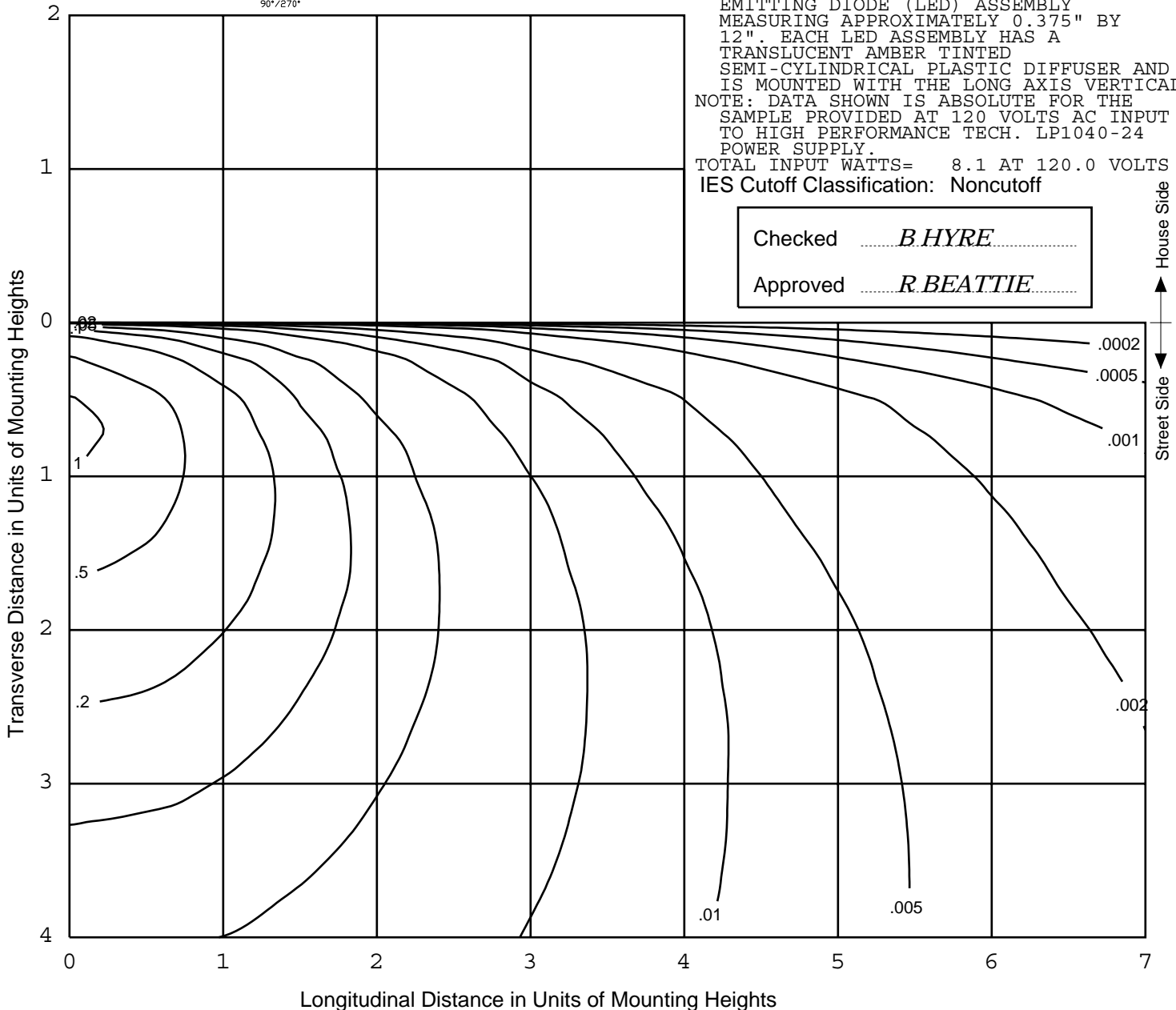
PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

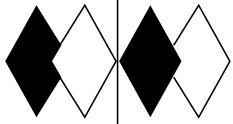
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 1.61 foot mounting height.



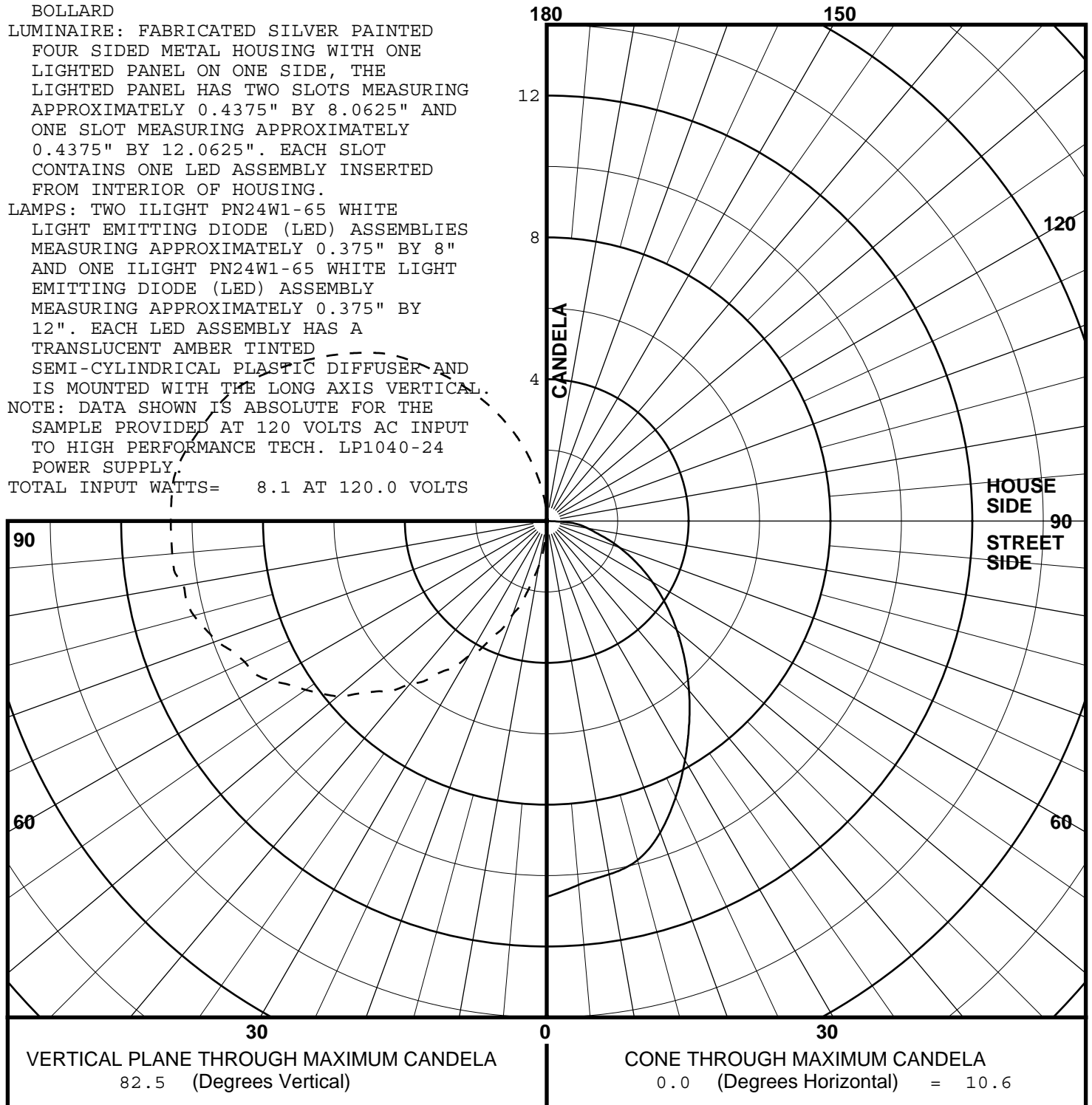
REPORT NUMBER: ITL56912
DATE: 11/18/05
PREPARED FOR: FAIRWEATHER SITE
FURNISHINGS, A DIVISION OF LEADER
MANUFACTURING, INC.
CATALOG NUMBER: B-6-L 1-PANEL LIGHTED
BOLLARD
LUMINAIRE: FABRICATED SILVER PAINTED
FOUR SIDED METAL HOUSING WITH ONE
LIGHTED PANEL ON ONE SIDE, THE
LIGHTED PANEL HAS TWO SLOTS MEASURING
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: TWO ILIGHT PN24W1-65 WHITE
LIGHT EMITTING DIODE (LED) ASSEMBLIES
MEASURING APPROXIMATELY 0.375" BY 8"
AND ONE ILIGHT PN24W1-65 WHITE LIGHT
EMITTING DIODE (LED) ASSEMBLY
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= 8.1 AT 120.0 VOLTS
IES Cutoff Classification: Noncutoff





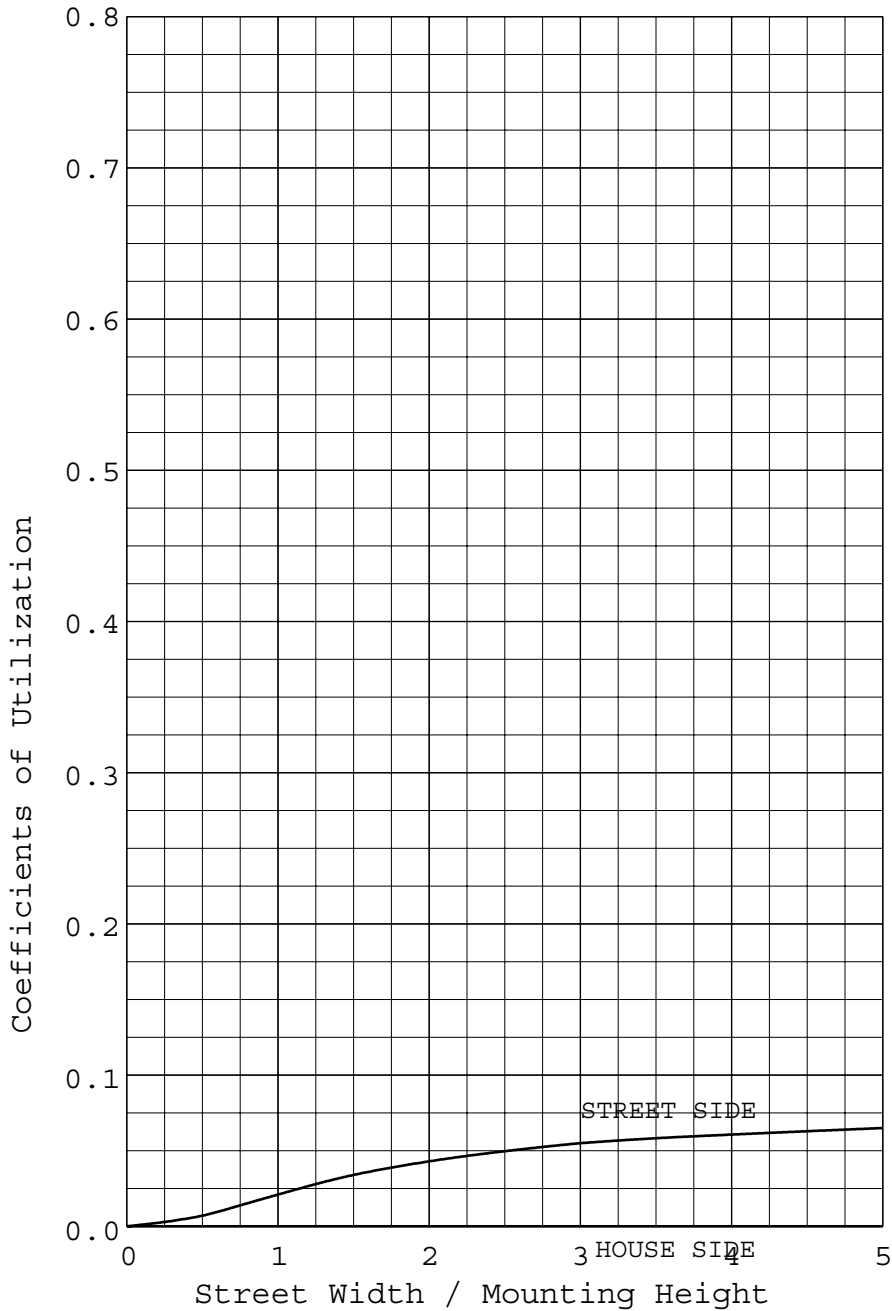
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 CATALOG NUMBER: B-6-L 1-PANEL LIGHTED
 BOLLARD
 LUMINAIRE: FABRICATED SILVER PAINTED
 FOUR SIDED METAL HOUSING WITH ONE
 LIGHTED PANEL ON ONE SIDE, THE
 LIGHTED PANEL HAS TWO SLOTS MEASURING
 APPROXIMATELY 0.4375" BY 8.0625" AND
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 SAMPLE PROVIDED AT 120 VOLTS AC INPUT
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 TOTAL INPUT WATTS= 8.1 AT 120.0 VOLTS

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



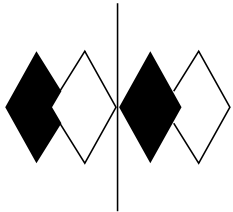


REPORT NUMBER: ITL56912 DATE: 11/18/05
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 COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS
DOWNWARD STREET SIDE	13
DOWNWARD HOUSE SIDE	0
DOWNWARD TOTAL	13
UPWARD STREET SIDE	13
UPWARD HOUSE SIDE	0
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.



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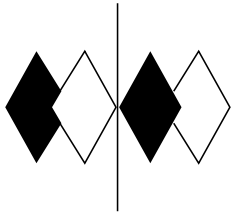
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CANDELA TABULATION

	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	0.5	0.2	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	
165.0	1.8	1.6	1.6	1.5	1.2	1.0	0.7	0.4	0.2	0.0	0.0	
155.0	3.4	3.3	3.2	2.8	2.5	2.0	1.5	1.0	0.6	0.2	0.0	
145.0	5.0	4.9	4.7	4.2	3.6	2.9	2.2	1.5	0.9	0.4	0.0	
135.0	6.7	6.5	6.3	5.5	4.7	3.8	2.8	2.0	1.1	0.5	0.0	
125.0	8.0	7.9	7.6	6.6	5.5	4.4	3.3	2.3	1.3	0.6	0.0	
115.0	9.3	9.1	8.6	7.6	6.3	5.0	3.7	2.5	1.5	0.7	0.0	
105.0	10.1	9.9	9.4	8.2	6.8	5.3	3.9	2.6	1.6	0.7	0.0	
95.0	10.6	10.3	9.9	8.6	6.9	5.5	4.0	2.7	1.6	0.8	0.0	
90.0	10.6	10.4	9.9	8.6	7.1	5.5	4.0	2.8	1.6	0.8	0.0	
87.5	10.6	10.3	9.9	8.7	7.1	5.5	4.1	2.8	1.6	0.8	0.0	
85.0	10.6	10.3	9.9	8.6	7.1	5.5	4.1	2.8	1.6	0.9	0.0	
82.5 <<	10.6	10.3	9.9	8.6	7.0	5.5	4.1	2.8	1.6	0.8	0.0	
80.0	10.4	10.3	9.9	8.6	6.9	5.5	4.0	2.8	1.6	0.8	0.0	
77.5	10.4	10.2	9.8	8.4	6.9	5.5	4.0	2.8	1.6	0.8	0.0	
75.0	10.3	10.0	9.6	8.4	6.8	5.4	4.0	2.7	1.6	0.8	0.0	
72.5	10.1	9.9	9.4	8.2	6.8	5.4	3.9	2.7	1.6	0.7	0.0	
70.0	9.9	9.7	9.3	8.1	6.6	5.3	3.9	2.7	1.6	0.8	0.0	
V 67.5	9.6	9.4	9.1	7.9	6.5	5.2	3.8	2.6	1.6	0.7	0.0	
E 65.0	9.4	9.3	8.8	7.7	6.4	5.1	3.8	2.6	1.5	0.7	0.0	
R 62.5	9.3	9.1	8.6	7.5	6.3	5.0	3.7	2.5	1.5	0.7	0.0	
T 60.0	9.0	8.7	8.4	7.3	6.1	4.8	3.6	2.5	1.5	0.7	0.0	
I 57.5	8.6	8.4	8.1	7.1	5.9	4.7	3.5	2.5	1.4	0.6	0.0	
C 55.0	8.3	8.1	7.8	6.8	5.7	4.7	3.3	2.4	1.4	0.6	0.0	
A 52.5	8.0	7.7	7.4	6.5	5.5	4.4	3.3	2.3	1.4	0.6	0.0	
L 50.0	7.7	7.4	7.2	6.3	5.3	4.2	3.2	2.1	1.3	0.6	0.0	
47.5	7.2	7.0	6.8	5.9	5.0	4.1	3.1	2.1	1.2	0.6	0.0	
A 45.0	6.8	6.6	6.4	5.6	4.8	3.8	2.9	2.0	1.1	0.5	0.0	
N 42.5	6.5	6.2	6.0	5.3	4.5	3.7	2.8	2.0	1.1	0.5	0.0	
G 40.0	6.0	5.8	5.7	5.0	4.2	3.5	2.6	1.8	1.1	0.5	0.0	
L 37.5	5.7	5.4	5.2	4.7	4.0	3.3	2.5	1.6	1.0	0.4	0.0	
E 35.0	5.2	5.0	4.9	4.3	3.7	3.0	2.3	1.5	0.9	0.4	0.0	
32.5	4.9	4.6	4.5	3.9	3.3	2.8	2.1	1.4	0.8	0.3	0.0	
30.0	4.4	4.1	4.1	3.6	3.0	2.5	2.0	1.3	0.7	0.3	0.0	
27.5	4.1	3.8	3.8	3.3	2.8	2.4	1.8	1.1	0.7	0.3	0.0	
25.0	3.6	3.3	3.3	2.8	2.5	2.0	1.5	1.1	0.6	0.2	0.0	
20.0	2.8	2.5	2.5	2.1	1.9	1.5	1.1	0.7	0.5	0.2	0.0	
15.0	2.0	1.6	1.6	1.5	1.2	1.1	0.8	0.5	0.2	0.0	0.0	
10.0	1.3	0.9	1.0	0.8	0.7	0.6	0.3	0.0	0.0	0.0	0.0	
5.0	0.5	0.2	0.2	0.2	0.1	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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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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5 <<	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
V 67.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E 65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
R 62.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
T 60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
I 57.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C 55.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A 52.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L 50.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
A 45.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
N 42.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
G 40.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
L 37.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
E 35.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10.0	0.0	0.0	0.0	0.0	0.0	0.0	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

CONE OF MAXIMUM CANDELA