

itl boulder

THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

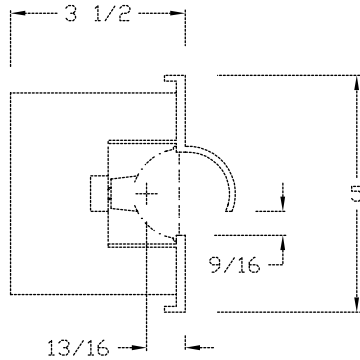
INDEPENDENT TESTING LABORATORIES, INC.

3386 LONGHORN ROAD, BOULDER, CO 80302 USA

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

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 1 foot mounting height.



REPORT NUMBER: ITL47655

DATE: 03/20/98

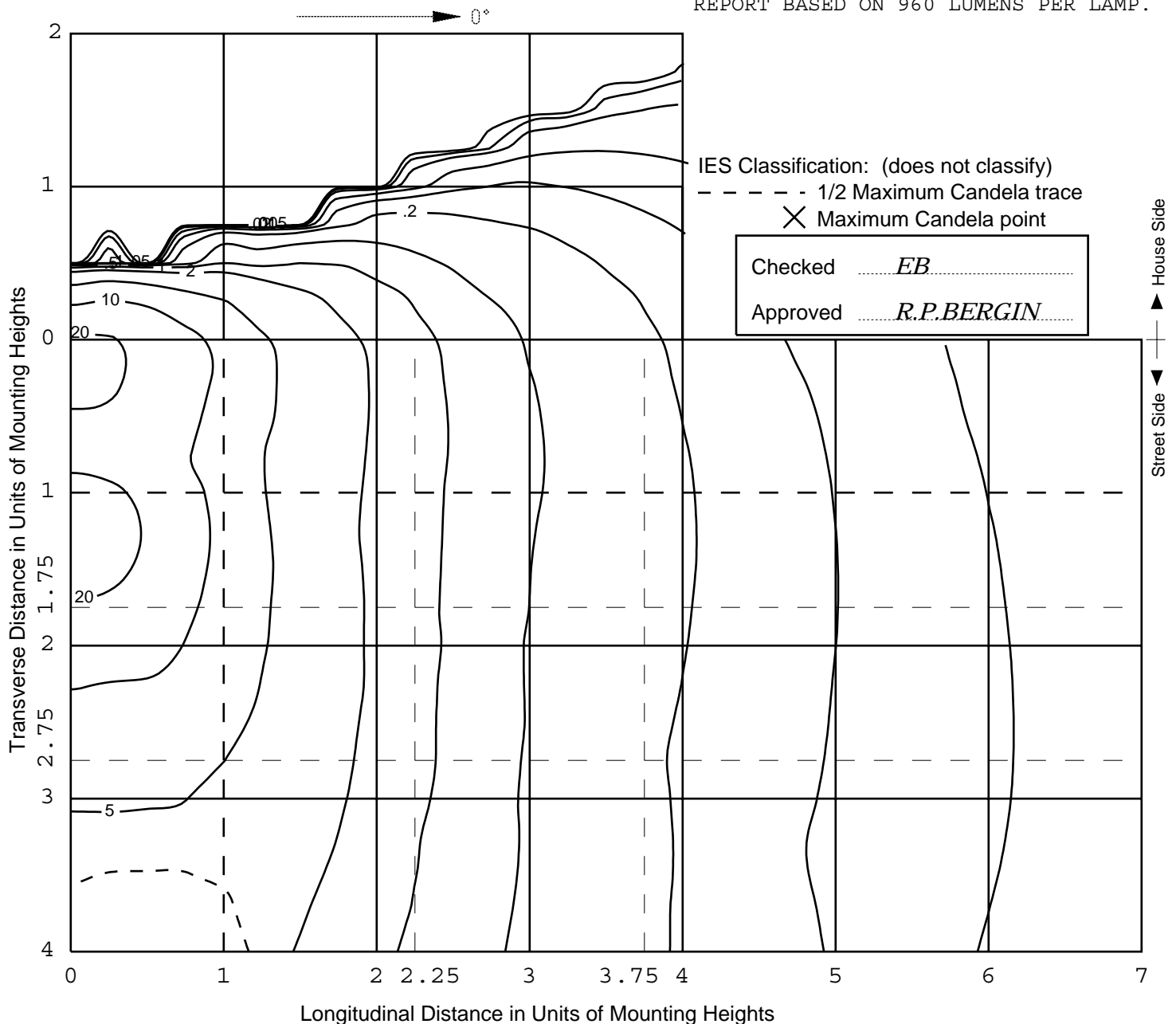
PREPARED FOR: B-K LIGHTING, INC.

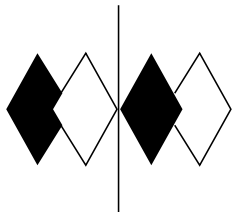
CATALOG NUMBER: SS-6-XXX-B

LUMINAIRE: ONE PIECE WHITE PAINTED FORMED METAL LAMP HOUSING/CIRCULAR PLATE WITH INTEGRAL TRUNCATED HEMISPHERICAL COVER MOUNTED INSIDE DOUBLE JUNCTION BOX. CLEAR FLAT LINEAR PRISMATIC CIRCULAR GLASS LENS, PRISMS ALIGNED VERTICALLY.

LAMP: ONE 50-WATT MR-16 HALOGEN INCANDESCENT, EYE 12V50WEXT JR1501, HORIZONTAL POSITION.

REPORT BASED ON 960 LUMENS PER LAMP.





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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

REPORT NUMBER: ITL47655

DATE: 03/20/98

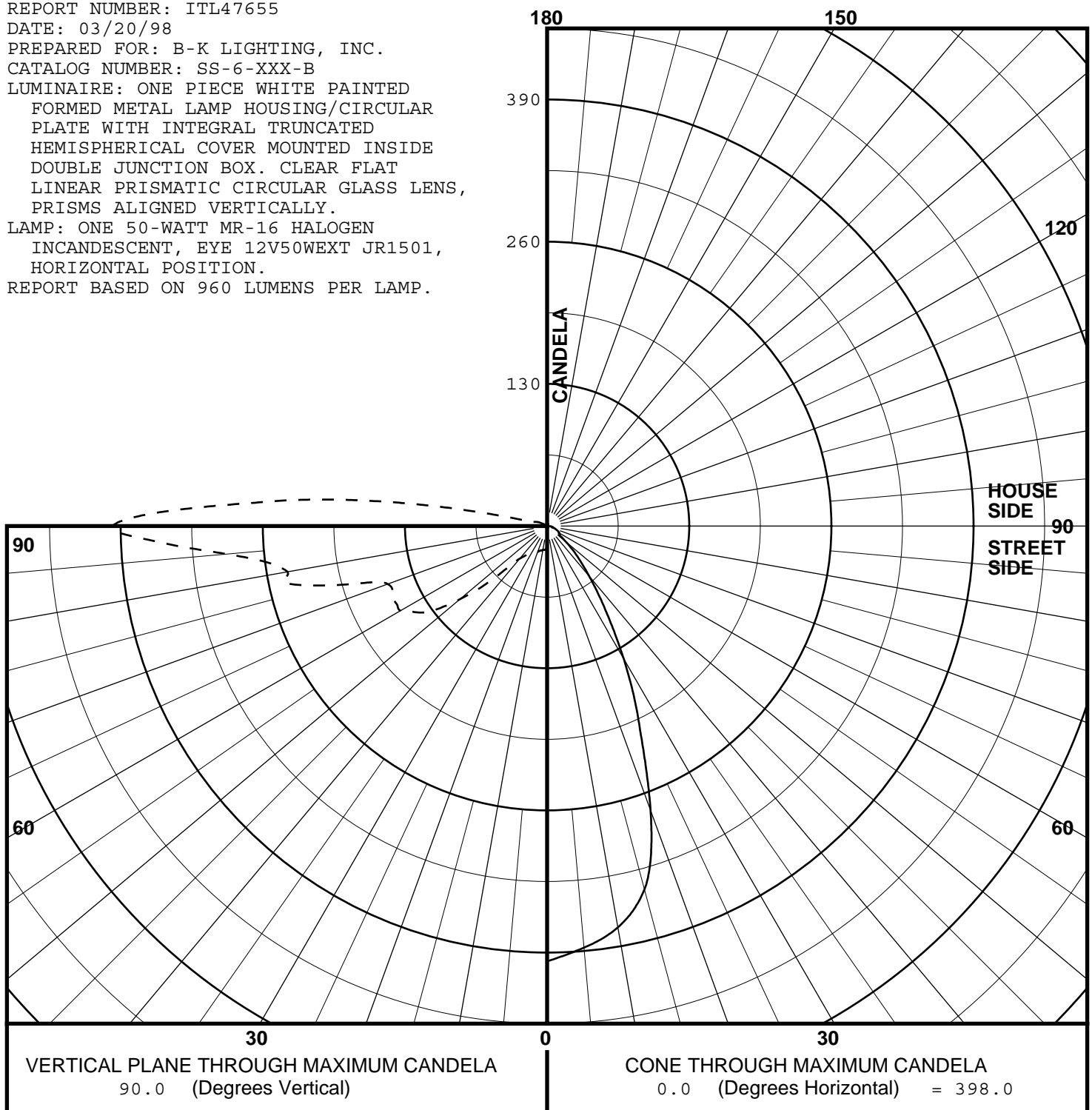
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CATALOG NUMBER: SS-6-XXX-B

LUMINAIRE: ONE PIECE WHITE PAINTED
FORMED METAL LAMP HOUSING/CIRCULAR
PLATE WITH INTEGRAL TRUNCATED
HEMISPHERICAL COVER MOUNTED INSIDE
DOUBLE JUNCTION BOX. CLEAR FLAT
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PRISMS ALIGNED VERTICALLY.

LAMP: ONE 50-WATT MR-16 HALOGEN
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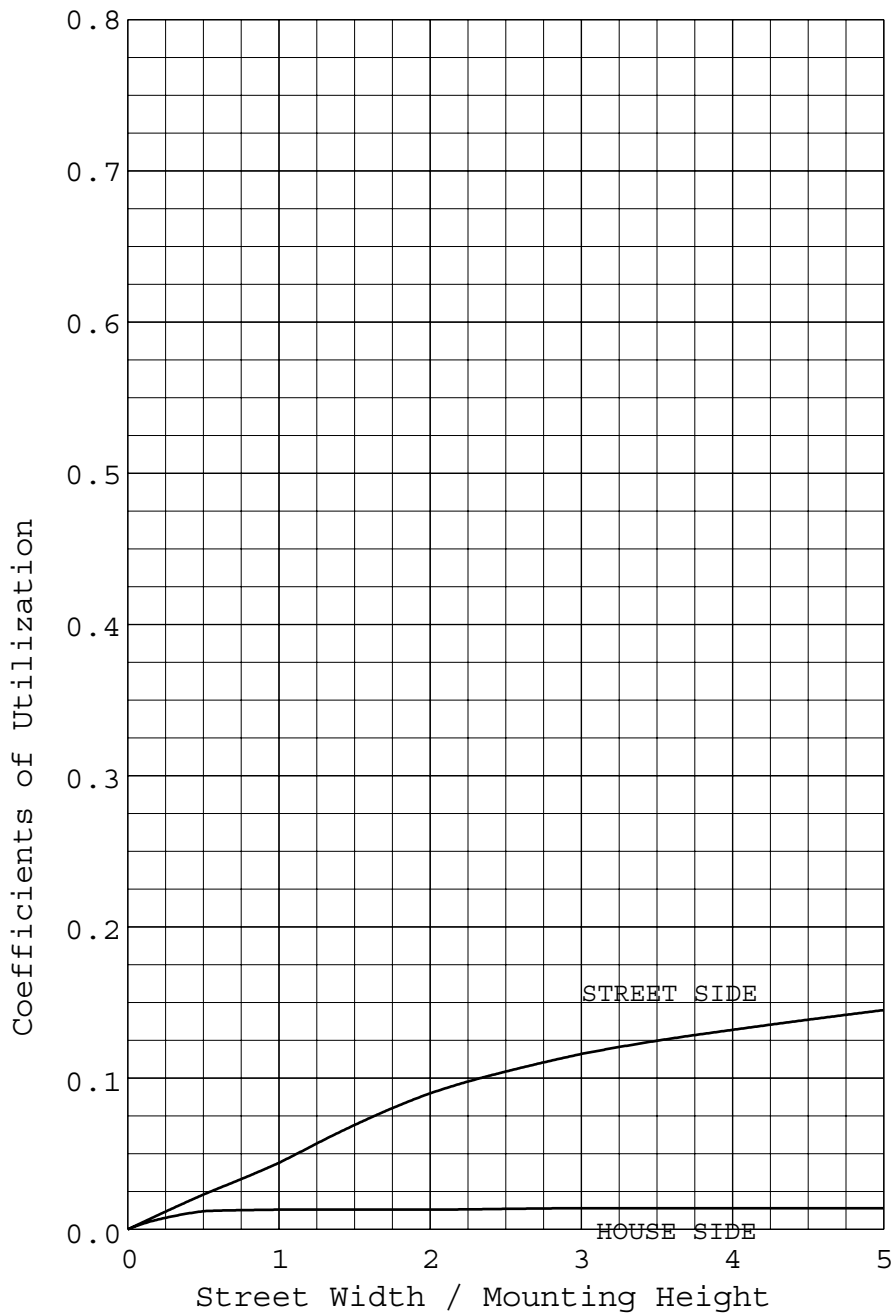
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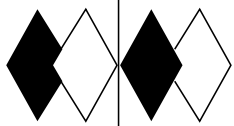
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF LAMP
DOWNWARD STREET SIDE	191	19.90
DOWNWARD HOUSE SIDE	13	1.35
DOWNWARD TOTAL	204	21.25
UPWARD STREET SIDE	57	5.94
UPWARD HOUSE SIDE	0	0.00
UPWARD TOTAL	57	5.94
TOTAL FLUX	261	27.19

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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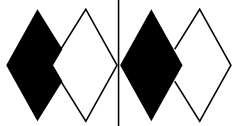
CANDELA TABULATION

	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.
	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	8.	9.	9.	8.	0.	0.	0.	0.	0.	0.	0.
	105.0	15.	16.	16.	13.	11.	9.	8.	0.	0.	0.	0.
	95.0	256.	263.	240.	131.	65.	30.	11.	9.	5.	0.	0.
	90.0<<	398.	387.	344.	199.	92.	39.	14.	11.	6.	3.	0.
	87.5	352.	338.	302.	169.	82.	38.	16.	12.	8.	5.	4.
	85.0	294.	284.	259.	131.	70.	37.	17.	14.	10.	7.	6.
	82.5	257.	248.	228.	111.	64.	36.	19.	16.	12.	9.	8.
	80.0	241.	238.	212.	105.	61.	35.	21.	17.	14.	11.	10.
	77.5	243.	253.	217.	116.	64.	36.	23.	19.	16.	13.	11.
	75.0	210.	217.	205.	130.	71.	40.	25.	20.	17.	14.	13.
	72.5	172.	174.	175.	132.	77.	44.	28.	21.	19.	16.	14.
	70.0	155.	154.	164.	125.	78.	47.	30.	23.	20.	17.	16.
V	67.5	153.	149.	156.	118.	76.	47.	30.	23.	21.	18.	17.
E	65.0	156.	149.	150.	112.	73.	47.	31.	25.	22.	20.	18.
R	62.5	155.	150.	142.	103.	70.	46.	31.	25.	23.	21.	19.
T	60.0	155.	154.	138.	97.	68.	45.	30.	26.	23.	21.	20.
I	57.5	146.	153.	129.	91.	64.	43.	30.	26.	24.	22.	21.
C	55.0	138.	142.	116.	83.	60.	40.	29.	27.	25.	23.	21.
A	52.5	123.	129.	106.	77.	56.	38.	29.	27.	25.	23.	22.
L	50.0	104.	107.	93.	71.	51.	36.	29.	27.	25.	24.	22.
	47.5	85.	84.	76.	62.	44.	33.	28.	27.	26.	24.	23.
A	45.0	64.	62.	56.	48.	37.	31.	28.	27.	26.	24.	23.
N	42.5	47.	46.	43.	38.	33.	30.	28.	27.	26.	25.	23.
G	40.0	39.	39.	38.	35.	32.	29.	28.	27.	26.	25.	23.
L	37.5	35.	35.	34.	32.	30.	29.	27.	27.	26.	25.	23.
E	35.0	32.	32.	31.	30.	29.	28.	27.	27.	26.	25.	23.
	32.5	30.	30.	30.	29.	28.	28.	27.	27.	25.	25.	23.
	30.0	29.	29.	29.	29.	28.	28.	27.	26.	25.	24.	23.
	27.5	28.	28.	28.	28.	27.	27.	27.	26.	25.	24.	23.
	25.0	27.	27.	27.	28.	27.	27.	26.	26.	25.	24.	23.
	20.0	25.	25.	26.	26.	26.	26.	25.	25.	24.	24.	23.
	15.0	23.	24.	24.	25.	24.	25.	24.	24.	24.	23.	23.
	10.0	22.	23.	23.	24.	24.	24.	24.	24.	23.	23.	23.
	5.0	22.	22.	23.	23.	23.	24.	23.	23.	23.	23.	23.
	0.0	22.	22.	22.	22.	22.	22.	22.	22.	22.	22.	22.

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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.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	145.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	135.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	125.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	115.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	105.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	95.0	0.	0.	0.	0.	0.	0.	0.	0.	0.
	90.0<<	0.	0.	0.	0.	0.	0.	0.	0.	0.
	87.5	0.	0.	0.	0.	0.	0.	0.	0.	0.
	85.0	4.	0.	0.	0.	0.	0.	0.	0.	0.
	82.5	6.	0.	0.	0.	0.	0.	0.	0.	0.
	80.0	8.	4.	0.	0.	0.	0.	0.	0.	0.
	77.5	9.	4.	0.	0.	0.	0.	0.	0.	0.
	75.0	11.	5.	0.	0.	0.	0.	0.	0.	0.
	72.5	12.	6.	0.	0.	0.	0.	0.	0.	0.
	70.0	13.	6.	0.	0.	0.	0.	0.	0.	0.
V	67.5	15.	7.	0.	0.	0.	0.	0.	0.	0.
E	65.0	16.	8.	0.	0.	0.	0.	0.	0.	0.
R	62.5	17.	9.	0.	0.	0.	0.	0.	0.	0.
T	60.0	17.	10.	0.	0.	0.	0.	0.	0.	0.
I	57.5	18.	10.	0.	0.	0.	0.	0.	0.	0.
C	55.0	19.	11.	0.	0.	0.	0.	0.	0.	0.
A	52.5	20.	12.	0.	0.	0.	0.	0.	0.	0.
L	50.0	20.	13.	4.	0.	0.	0.	0.	0.	0.
	47.5	21.	14.	4.	0.	0.	0.	0.	0.	0.
A	45.0	21.	15.	5.	0.	0.	0.	0.	0.	0.
N	42.5	21.	15.	6.	0.	0.	0.	0.	0.	0.
G	40.0	22.	16.	8.	0.	0.	0.	0.	0.	0.
L	37.5	22.	17.	9.	3.	0.	0.	0.	0.	0.
E	35.0	22.	18.	11.	3.	0.	0.	0.	0.	0.
	32.5	22.	18.	12.	5.	0.	0.	0.	0.	0.
	30.0	22.	19.	14.	7.	2.	0.	0.	0.	0.
	27.5	22.	19.	16.	9.	4.	1.	0.	0.	0.
	25.0	22.	20.	17.	11.	6.	2.	1.	0.	0.
	20.0	22.	20.	19.	16.	12.	8.	5.	3.	1.
	15.0	22.	21.	20.	19.	17.	15.	12.	9.	8.
	10.0	22.	21.	21.	20.	20.	19.	18.	17.	16.
	5.0	22.	22.	22.	21.	21.	21.	20.	20.	19.
	0.0	22.	22.	22.	22.	22.	22.	22.	22.	22.

CONE OF MAXIMUM CANDELA