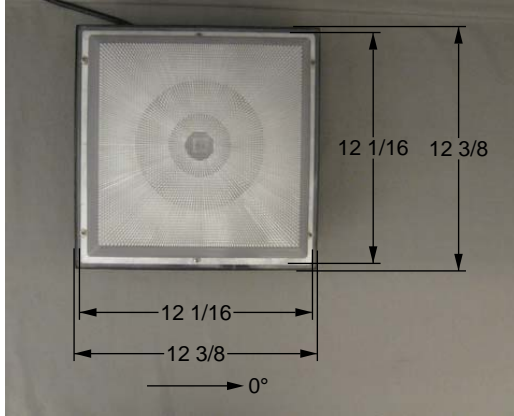


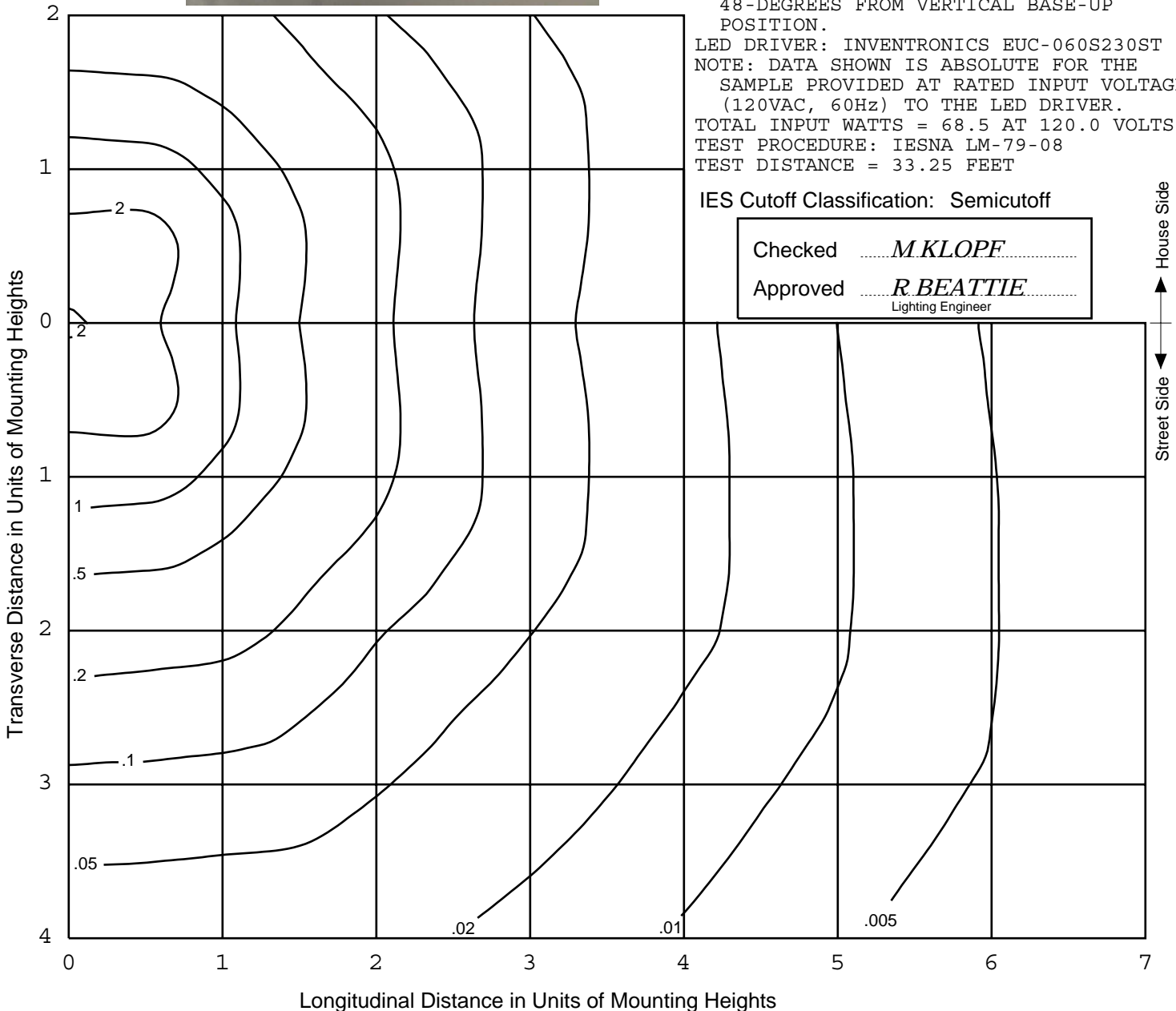
ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 14 foot mounting height.

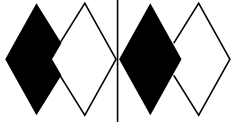


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 CATALOG NUMBER: ML4L701PRK50
 LUMINAIRE: CAST BLACK PAINTED METAL HOUSING, FABRICATED FINNED DIFFUSE METAL CIRCUIT BOARD MOUNTING ASSEMBLY, FOUR CIRCUIT BOARDS EACH WITH 9 LEDS, MOLDED PLASTIC REFLECTOR ASSEMBLY WITH ONE SPECULAR FINISHED TIERED REFLECTOR BELOW EACH LED, CLEAR PRISMATIC PLASTIC REFRACTOR.
 LAMPS: THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDs) EACH WITH CLEAR HEMISPHERICAL INTEGRAL LENS, TILTED 48-DEGREES FROM VERTICAL BASE-UP POSITION.
 LED DRIVER: INVENTRONICS EUC-060S230ST
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.
 TOTAL INPUT WATTS = 68.5 AT 120.0 VOLTS
 TEST PROCEDURE: IESNA LM-79-08
 TEST DISTANCE = 33.25 FEET

IES Cutoff Classification: Semicutoff

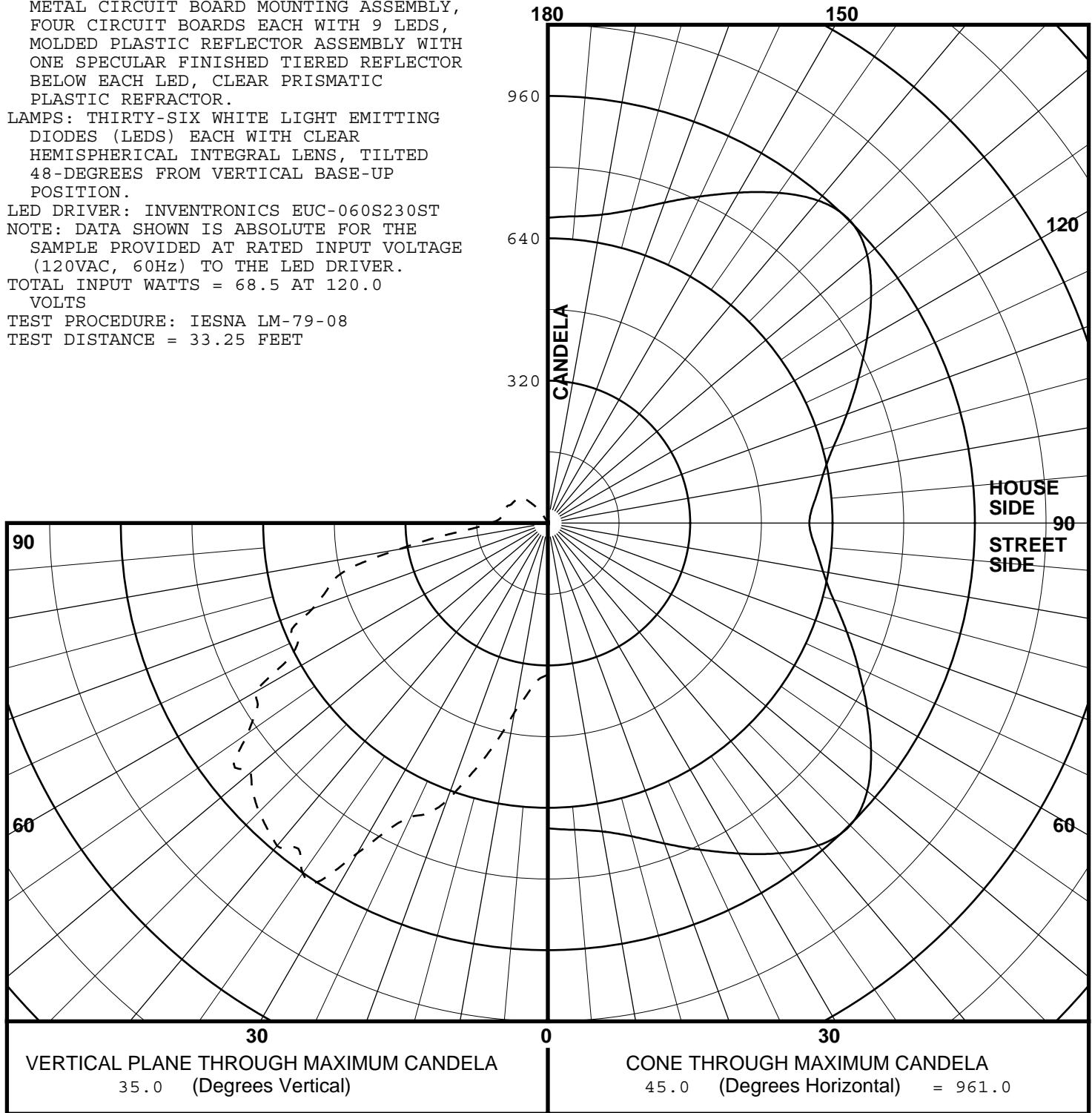
Checked *M.KLOPF*
 Approved *R.BEATTIE*
 Lighting Engineer





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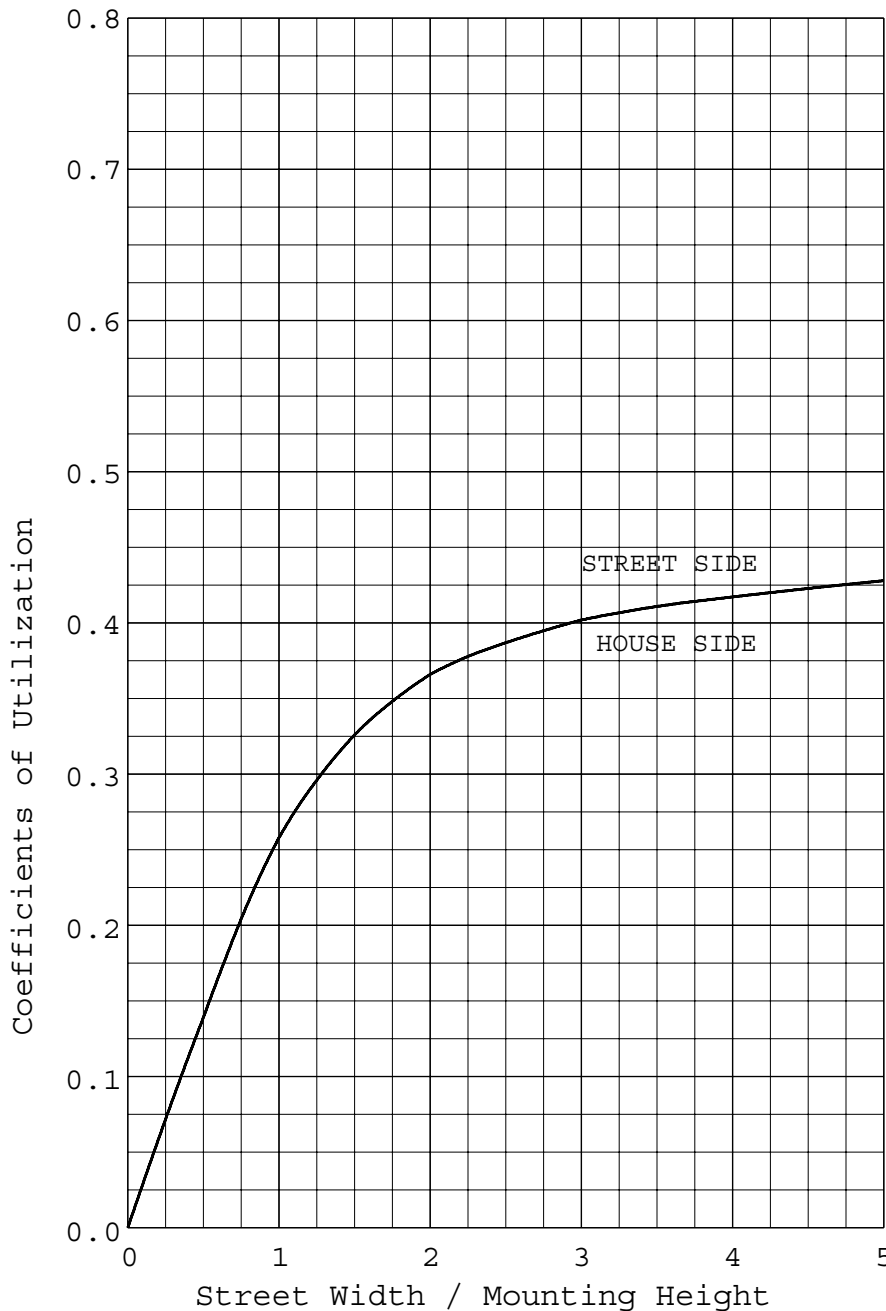
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



	LUMENS	PERCENT OF FIXTURE
DOWNWARD STREET SIDE	1807	44.7
DOWNWARD HOUSE SIDE	1807	44.7
DOWNWARD TOTAL	3615	89.4
UPWARD STREET SIDE	213	5.3
UPWARD HOUSE SIDE	213	5.3
UPWARD TOTAL	427	10.6
TOTAL FLUX	4041	100.0
EFFICACY = 59.0 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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FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-11, LUMINAIRE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES)

	LUMENS	PERCENT OF FIXTURE	BUG ZONE RATINGS
FORWARD LIGHT	1807.	44.7	
FL (0- 30)	257.1	6.4	
FM (30- 60)	892.0	22.1	
FH (60- 80)	559.2	13.8	G0
FVH(80- 90)	98.9	2.4	G1
BACK LIGHT	1807.	44.7	
BL (0- 30)	257.1	6.4	B1
BM (30- 60)	892.0	22.1	B1
BH (60- 80)	559.2	13.8	B2 G0
BVH(80- 90)	98.9	2.4	G1
UPLIGHT	427.	10.6	
UL (90-100)	105.7	2.6	U3
UH (100-180)	321.1	7.9	U3
TRAPPED LIGHT	0.	0.0	
TOTAL FLUX	4041.	100.0	

BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(PER ADDENDUM A FOR IESNA TM-15-11)

BUG RATING: B2 U3 G1



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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.
	175.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	165.0	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	155.0	19.	16.	15.	6.	0.	0.	6.	13.	13.	15.
	145.0	52.	50.	48.	41.	37.	36.	31.	34.	39.	40.
	135.0	67.	66.	64.	65.	77.	78.	72.	57.	56.	57.
	125.0	71.	70.	68.	78.	88.	89.	86.	74.	62.	63.
	115.0	70.	69.	72.	86.	96.	95.	98.	86.	72.	67.
	105.0	70.	69.	79.	93.	101.	100.	101.	94.	78.	67.
	95.0	77.	75.	92.	102.	110.	109.	107.	100.	86.	71.
	92.5	84.	83.	99.	109.	116.	116.	112.	106.	93.	76.
	90.0	93.	96.	110.	124.	128.	129.	123.	117.	101.	85.
	87.5	106.	110.	127.	143.	146.	149.	140.	133.	116.	96.
	85.0	131.	139.	157.	183.	184.	186.	176.	174.	143.	121.
V	82.5	181.	200.	212.	259.	248.	256.	236.	249.	197.	172.
E	80.0	263.	270.	298.	359.	344.	341.	331.	341.	278.	233.
R	77.5	359.	361.	398.	468.	451.	444.	436.	449.	362.	308.
T	75.0	458.	463.	485.	564.	525.	500.	510.	531.	448.	385.
I	72.5	531.	525.	553.	623.	583.	526.	561.	584.	503.	429.
C	70.0	553.	551.	586.	650.	615.	563.	591.	583.	497.	434.
A	67.5	596.	588.	616.	700.	700.	623.	674.	635.	534.	468.
L	65.0	651.	640.	673.	740.	694.	619.	666.	667.	592.	526.
	62.5	637.	618.	654.	707.	696.	653.	648.	615.	541.	484.
A	60.0	648.	640.	670.	764.	793.	756.	769.	708.	597.	528.
N	57.5	704.	698.	730.	840.	830.	775.	787.	765.	658.	599.
G	55.0	737.	722.	753.	831.	843.	823.	801.	734.	642.	589.
L	52.5	728.	723.	758.	849.	894.	890.	860.	784.	676.	612.
E	50.0	776.	765.	797.	831.	876.	872.	842.	769.	717.	668.
	47.5	713.	708.	745.	821.	883.	899.	841.	760.	680.	626.
	45.0	737.	730.	762.	801.	874.	918.	851.	752.	677.	629.
	42.5	713.	715.	752.	839.	936.	933.	914.	810.	695.	640.
	40.0	770.	767.	805.	867.	932.	947.	885.	799.	724.	682.
	37.5	739.	723.	750.	792.	893.	922.	850.	741.	658.	615.
	35.0 <<	686.	692.	729.	810.	906.	961.	887.	770.	665.	603.
	32.5	733.	740.	777.	845.	911.	954.	904.	802.	704.	638.
	30.0	737.	741.	784.	826.	870.	857.	843.	791.	723.	667.
	25.0	666.	659.	686.	702.	727.	729.	718.	666.	628.	593.
	20.0	605.	609.	624.	652.	671.	664.	650.	623.	597.	574.
	15.0	541.	539.	539.	543.	551.	545.	536.	523.	515.	510.
	10.0	438.	434.	434.	433.	435.	432.	436.	433.	430.	428.
	5.0	373.	370.	373.	368.	369.	365.	369.	365.	368.	365.
	0.0	341.	341.	341.	341.	341.	341.	341.	341.	341.	341.

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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5-DEGREE
ZONAL LUMEN SUMMARY

0- 5	8.
5- 10	29.
10- 15	57.
15- 20	97.
20- 25	137.
25- 30	186.
30- 35	234.
35- 40	263.
40- 45	297.
45- 50	315.
50- 55	338.
55- 60	338.
60- 65	314.
65- 70	309.
70- 75	279.
75- 80	216.
80- 85	125.
85- 90	73.
90- 95	56.
95-100	50.
100-105	47.
105-110	45.
110-115	42.
115-120	39.
120-125	36.
125-130	32.
130-135	28.
135-140	22.
140-145	16.
145-150	9.
150-155	4.
155-160	1.
160-165	0.
165-170	0.
170-175	0.
175-180	0.

10-DEGREE
ZONAL LUMEN SUMMARY

0- 10	37.
0- 20	191.
0- 30	514.
0- 40	1011.
0- 50	1623.
0- 60	2298.
0- 70	2921.
0- 80	3417.
0- 90	3615.
0-100	3720.
0-110	3812.
0-120	3894.
0-130	3961.
0-140	4011.
0-150	4037.
0-160	4041.
0-170	4041.
0-180	4041.



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