

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P950901

Luminaire Tested: **GALN-SB5B-722-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5B-722-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20035 lumens
Efficiency: N/A
Efficacy: 109.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

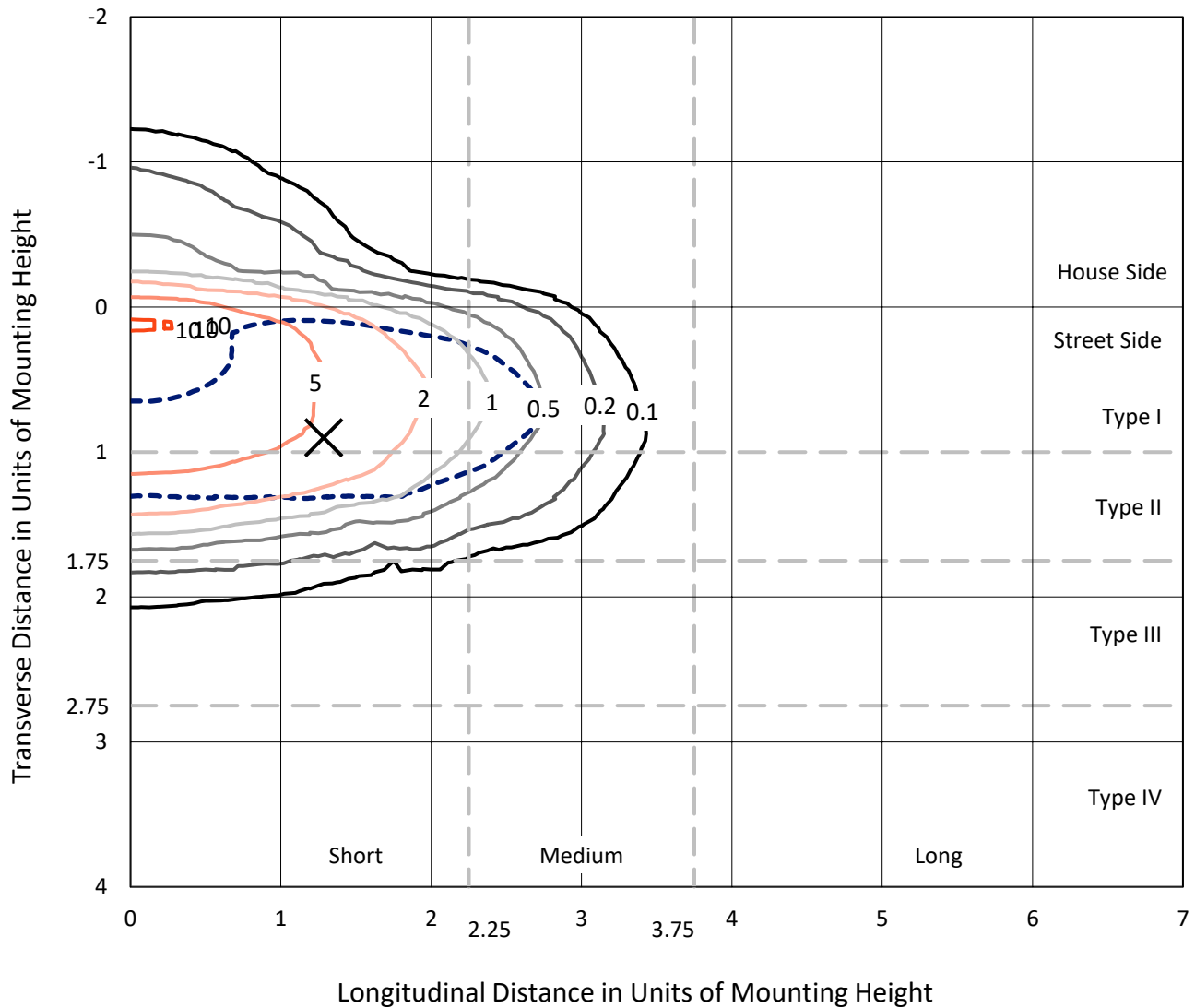
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P950901
 CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

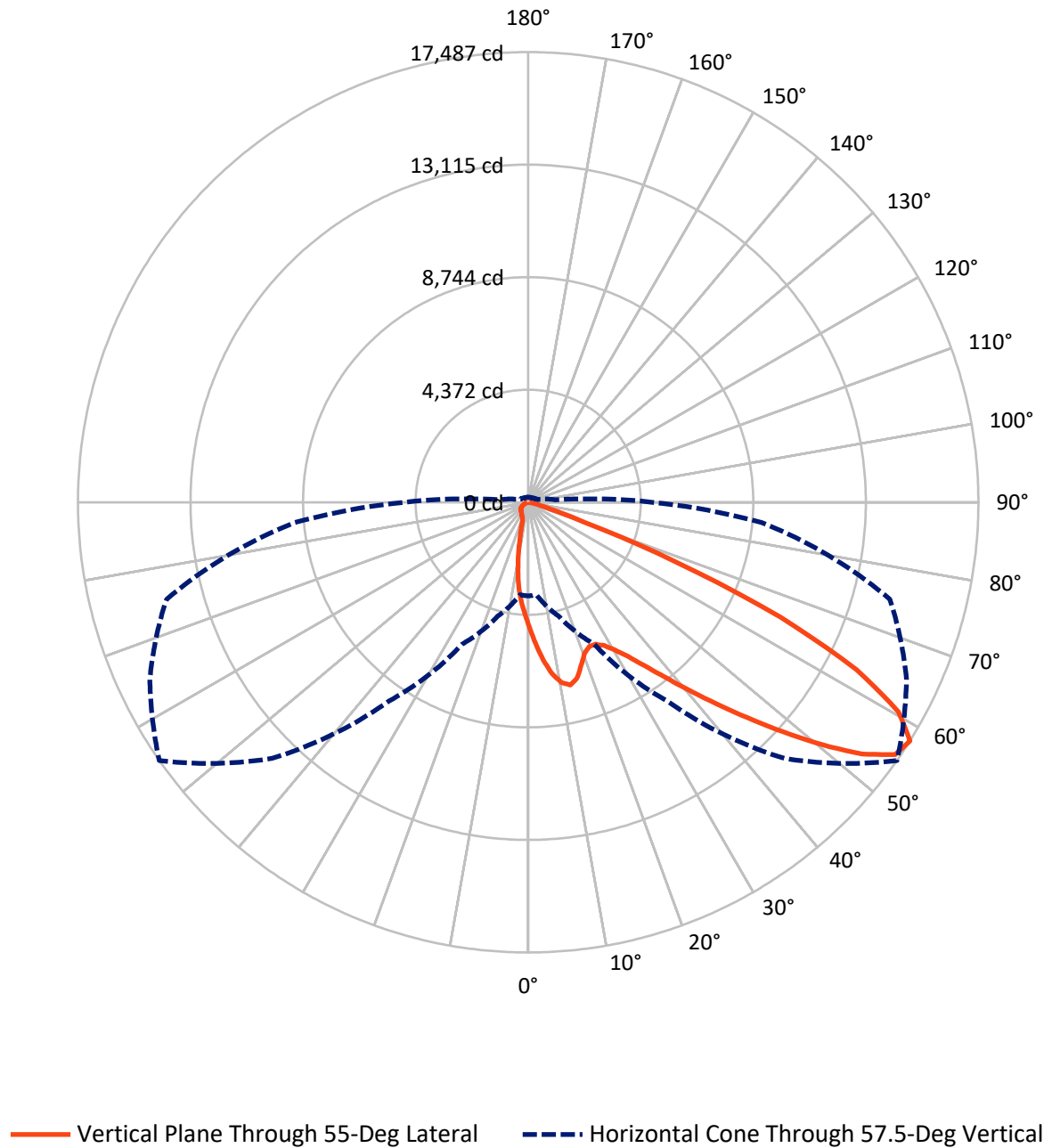
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type II - Short - N/A

REPORT NUMBER: P950901
CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P950901

CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

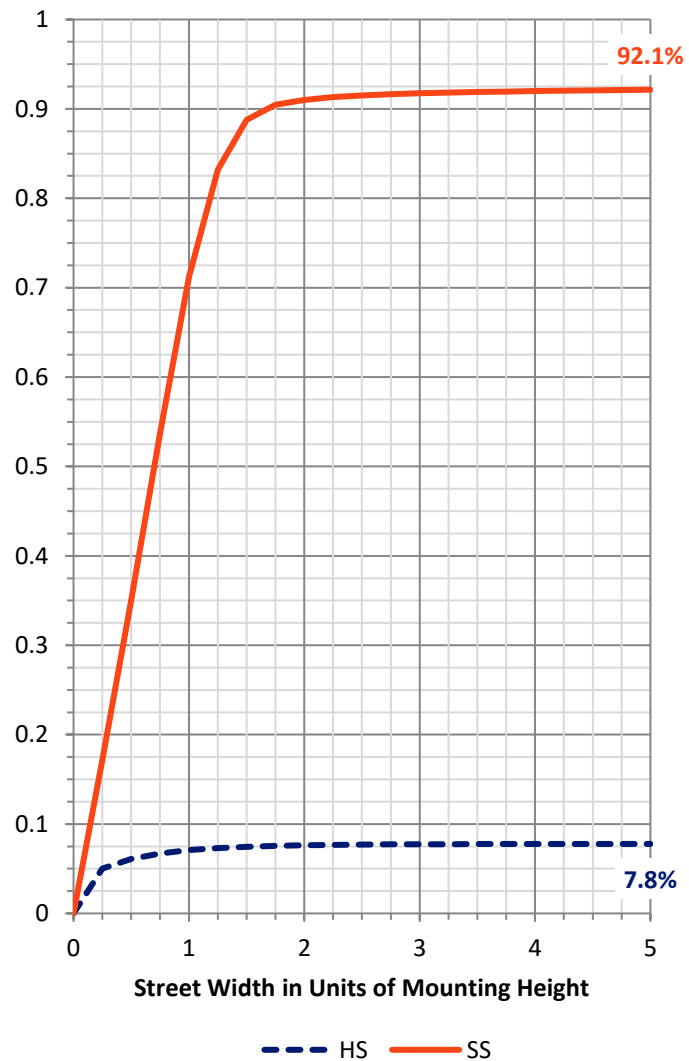
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1564.7	0.0	1564.7
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	18470.4	0.0	18470.4
	% Fixture	92.2	0.0	92.2
Total	Lumens	20035.0	0.0	20035.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.2	2.2
10°-20°	1085.1	5.4
20°-30°	1736.1	8.7
30°-40°	2938.5	14.7
40°-50°	4824.3	24.1
50°-60°	5302.3	26.5
60°-70°	3041.4	15.2
70°-80°	621.4	3.1
80°-90°	36.7	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	20035.0	100.0
0°-180°	20035.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950901

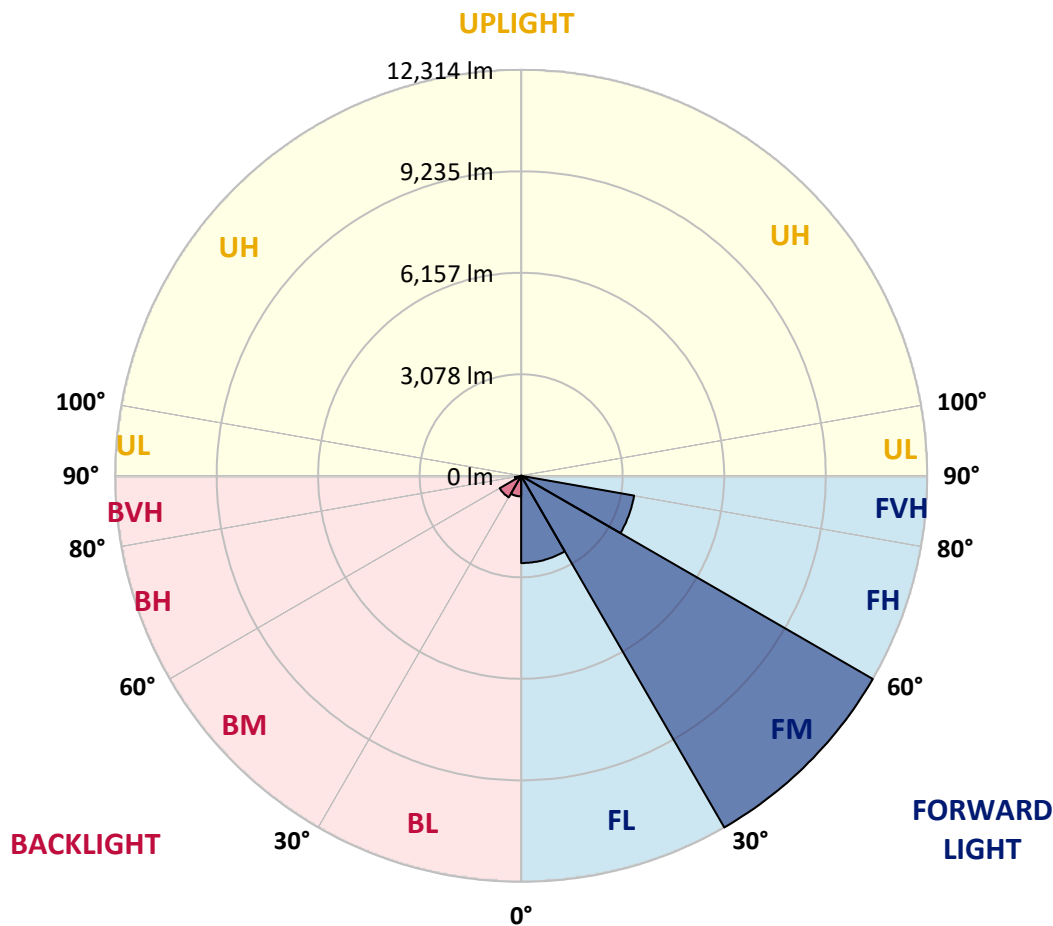
CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2645.7	13.2			
FM	(30°-60°)	12313.7	61.5			
FH	(60°-80°)	3476.8	17.4			G2/5000
FVH	(80°-90°)	34.2	0.2			G1/100
BL	(0°-30°)	624.6	3.1	B2/1000		
BM	(30°-60°)	751.5	3.8	B1/1000		
BH	(60°-80°)	186.1	0.9	B1/500		G1/500
BVH	(80°-90°)	2.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short



REPORT NUMBER: P950901

CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9
2.5°	5990.5	5915.1	5904.0	5889.1	5745.8	5638.4	5482.7	5312.2	5120.7	4925.5	4839.1
5°	6920.7	6861.4	6850.3	6781.1	6618.0	6435.2	6158.5	5808.8	5451.8	5031.8	4851.4
7.5°	7101.1	7090.0	7140.6	7138.1	7115.9	6971.4	6737.9	6321.5	5785.4	5162.7	4883.5
10°	6296.8	6325.2	6476.0	6608.2	6965.2	7172.7	7122.1	6778.6	6128.8	5312.2	4919.4
12.5°	5564.2	5530.9	5638.4	5787.8	6202.9	6820.6	7281.4	7160.4	6521.7	5481.5	4972.5
15°	5104.7	5091.1	5151.6	5220.8	5537.1	6159.7	7096.1	7470.5	6899.7	5681.6	5052.8
17.5°	4957.7	4946.5	4965.1	4982.4	5187.4	5669.2	6655.1	7660.7	7261.7	5910.2	5141.7
20°	5077.5	5062.7	5060.2	5046.6	5131.8	5460.5	6256.1	7674.3	7586.6	6117.7	5218.3
22.5°	5427.1	5409.8	5349.3	5294.9	5302.3	5488.9	6078.2	7538.4	7831.2	6311.7	5266.5
25°	6060.9	6032.5	5906.4	5723.6	5607.5	5686.5	6105.3	7359.3	8064.7	6463.6	5243.0
27.5°	6854.0	6816.9	6655.1	6383.3	6117.7	6021.3	6301.8	7235.7	8258.6	6579.7	5192.4
30°	7631.1	7582.9	7423.5	7212.3	6824.3	6520.4	6656.3	7290.1	8489.7	6700.8	5125.7
32.5°	8469.9	8424.2	8212.9	7951.0	7629.8	7220.9	7141.8	7555.7	8772.6	6870.1	5078.7
35°	9531.1	9459.5	9159.3	8802.2	8461.3	8047.4	7799.1	8014.0	9149.4	7128.3	5104.7
37.5°	10739.3	10643.0	10319.3	9826.4	9381.6	8918.3	8599.6	8644.1	9701.6	7474.2	5185.0
40°	11878.4	11790.7	11491.7	11027.2	10468.8	9906.7	9566.9	9468.1	10463.8	7895.4	5325.8
42.5°	12561.5	12482.5	12356.5	12160.0	11689.4	11116.1	10687.4	10473.7	11365.7	8399.5	5497.5
45°	12599.8	12530.7	12699.9	12928.5	12835.8	12454.1	11931.5	11539.9	12271.2	8872.6	5675.4
47.5°	11987.1	11940.1	12454.1	13252.1	13649.9	13810.5	13328.7	12517.1	13018.6	9212.4	5748.3
50°	10316.8	10299.5	11357.0	12822.2	13960.0	14999.0	14802.6	13426.3	13598.0	9387.8	5679.1
52.5°	8945.5	8882.5	9499.0	11446.0	13509.1	15624.1	16243.0	14318.3	14003.3	9421.2	5517.3
55°	6784.8	6729.2	7502.6	9143.2	12055.0	15401.7	17296.8	15238.7	14293.6	9335.9	5227.0
57.5°	3639.5	3604.9	4582.1	6085.6	9423.6	14067.5	17487.1	16212.1	14538.2	9109.8	4820.5
60°	1417.0	1410.8	1776.5	2952.6	5727.3	11444.7	16527.2	16796.5	14691.4	8831.9	4480.8
62.5°	857.4	875.9	935.2	1325.6	2530.1	7109.7	14314.6	16131.8	14793.9	8577.4	4200.4
65°	709.1	710.4	717.8	910.5	1211.9	2974.8	10776.4	13945.2	14540.7	8124.0	3802.6
67.5°	607.8	618.9	647.3	722.7	854.9	1304.6	6204.2	10802.3	13000.1	7069.0	3182.4
70°	479.3	494.2	530.0	594.2	659.7	816.6	2292.9	7187.6	9931.4	5328.3	2406.6
72.5°	404.0	402.7	421.3	483.0	523.8	574.5	882.1	4027.4	5771.8	2543.7	1190.9
75°	312.6	324.9	348.4	404.0	428.7	416.3	478.1	1471.4	2068.1	770.9	405.2
77.5°	244.6	254.5	275.5	329.9	354.6	295.3	275.5	526.3	664.6	276.7	182.8
80°	110.0	118.6	187.8	243.4	289.1	203.8	149.5	269.3	295.3	126.0	92.7
82.5°	19.8	33.4	110.0	128.5	148.2	132.2	77.8	139.6	144.5	50.7	32.1
85°	1.2	2.5	38.3	46.9	59.3	43.2	23.5	55.6	48.2	17.3	12.4
87.5°	0.0	0.0	0.0	1.2	1.2	6.2	7.4	9.9	7.4	6.2	4.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P950901

CATALOG NUMBER: GALN-SB5B-722-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9	4827.9
2.5°	4750.1	4574.7	4404.2	4264.6	4183.1	4044.7	3953.3	3938.5	3900.2	3933.5
5°	4658.7	4344.9	4027.4	3743.3	3509.8	3208.3	2983.5	2888.4	2805.6	2834.0
7.5°	4615.5	4120.1	3625.9	3140.4	2641.3	2159.5	1801.2	1651.7	1538.1	1554.1
10°	4557.4	3886.6	3112.0	2370.7	1702.4	1226.8	979.7	888.3	837.6	838.8
12.5°	4512.9	3607.4	2515.3	1607.3	1036.5	783.2	706.6	684.4	669.6	670.8
15°	4490.7	3278.8	1926.0	1071.1	741.2	663.4	644.9	635.0	625.1	623.9
17.5°	4453.6	2913.1	1409.6	782.0	648.6	621.4	605.3	594.2	581.9	579.4
20°	4398.0	2498.0	1030.3	660.9	607.8	586.8	564.6	549.8	534.9	532.5
22.5°	4295.5	2059.4	791.9	611.5	578.2	554.7	527.5	510.2	495.4	492.9
25°	4105.2	1648.0	667.1	580.6	552.2	523.8	494.2	470.7	457.1	454.6
27.5°	3864.3	1294.7	605.3	552.2	518.9	492.9	459.6	437.3	425.0	422.5
30°	3580.2	997.0	569.5	520.1	479.3	457.1	427.4	408.9	401.5	401.5
32.5°	3273.8	796.8	554.7	488.0	444.7	420.0	396.6	389.2	386.7	385.4
35°	2986.0	691.8	547.3	462.0	413.9	390.4	380.5	381.7	386.7	386.7
37.5°	2730.2	658.5	543.6	443.5	386.7	365.7	371.9	383.0	378.0	378.0
40°	2499.2	662.2	541.1	429.9	364.4	352.1	364.4	355.8	343.4	342.2
42.5°	2322.6	693.1	536.2	418.8	350.9	342.2	337.3	323.7	322.4	324.9
45°	2194.1	720.2	534.9	413.9	336.0	320.0	313.8	300.2	324.9	331.1
47.5°	2042.1	720.2	534.9	396.6	311.3	305.1	295.3	280.4	305.1	311.3
50°	1845.7	674.5	513.9	376.8	291.6	287.8	270.6	252.0	247.1	250.8
52.5°	1597.4	591.8	460.8	349.6	271.8	264.4	243.4	229.8	226.1	226.1
55°	1314.5	495.4	389.2	310.1	250.8	237.2	222.4	216.2	212.5	210.0
57.5°	1068.6	406.4	312.6	275.5	231.0	213.7	208.8	201.4	195.2	191.5
60°	877.1	320.0	258.2	244.6	211.3	195.2	194.0	184.1	168.0	165.5
62.5°	677.0	234.7	217.4	212.5	191.5	177.9	175.4	155.7	131.0	126.0
65°	478.1	182.8	175.4	186.5	170.5	158.1	152.0	122.3	96.4	92.7
67.5°	336.0	153.2	138.4	163.1	148.2	132.2	128.5	103.8	80.3	77.8
70°	239.7	124.8	113.7	139.6	118.6	116.1	108.7	86.5	65.5	63.0
72.5°	169.2	95.1	87.7	121.1	81.5	100.1	88.9	66.7	49.4	46.9
75°	124.8	67.9	61.8	70.4	59.3	75.4	63.0	44.5	30.9	29.6
77.5°	91.4	43.2	37.1	34.6	34.6	46.9	34.6	18.5	13.6	12.4
80°	64.2	19.8	17.3	14.8	13.6	11.1	4.9	2.5	1.2	1.2
82.5°	38.3	8.6	8.6	6.2	3.7	0.0	0.0	0.0	0.0	0.0
85°	8.6	3.7	3.7	1.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.2	1.2	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

(END OF REPORT)