

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: P948046

Luminaire Tested: **GALN-SB3B-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14195 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2
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

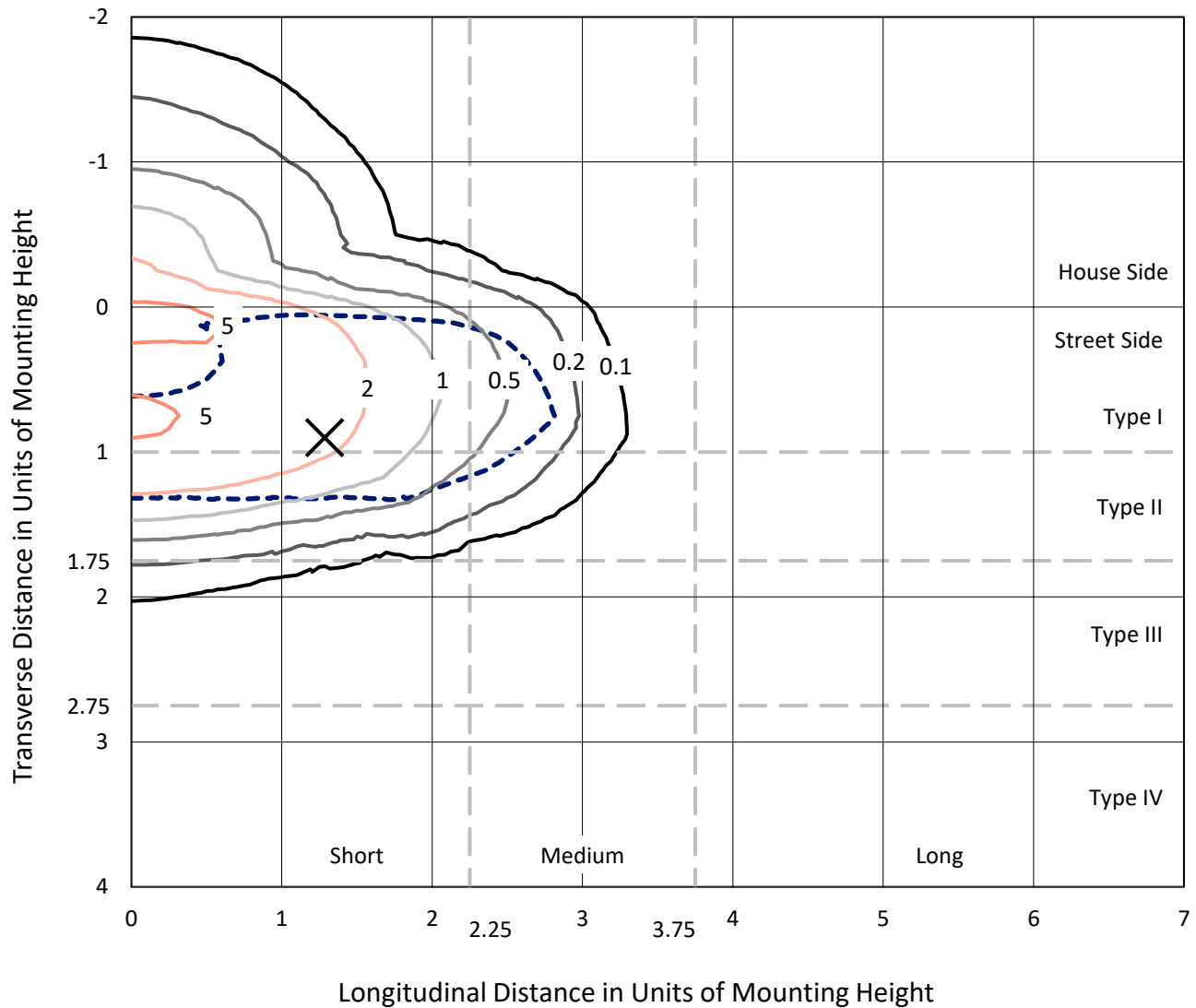


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

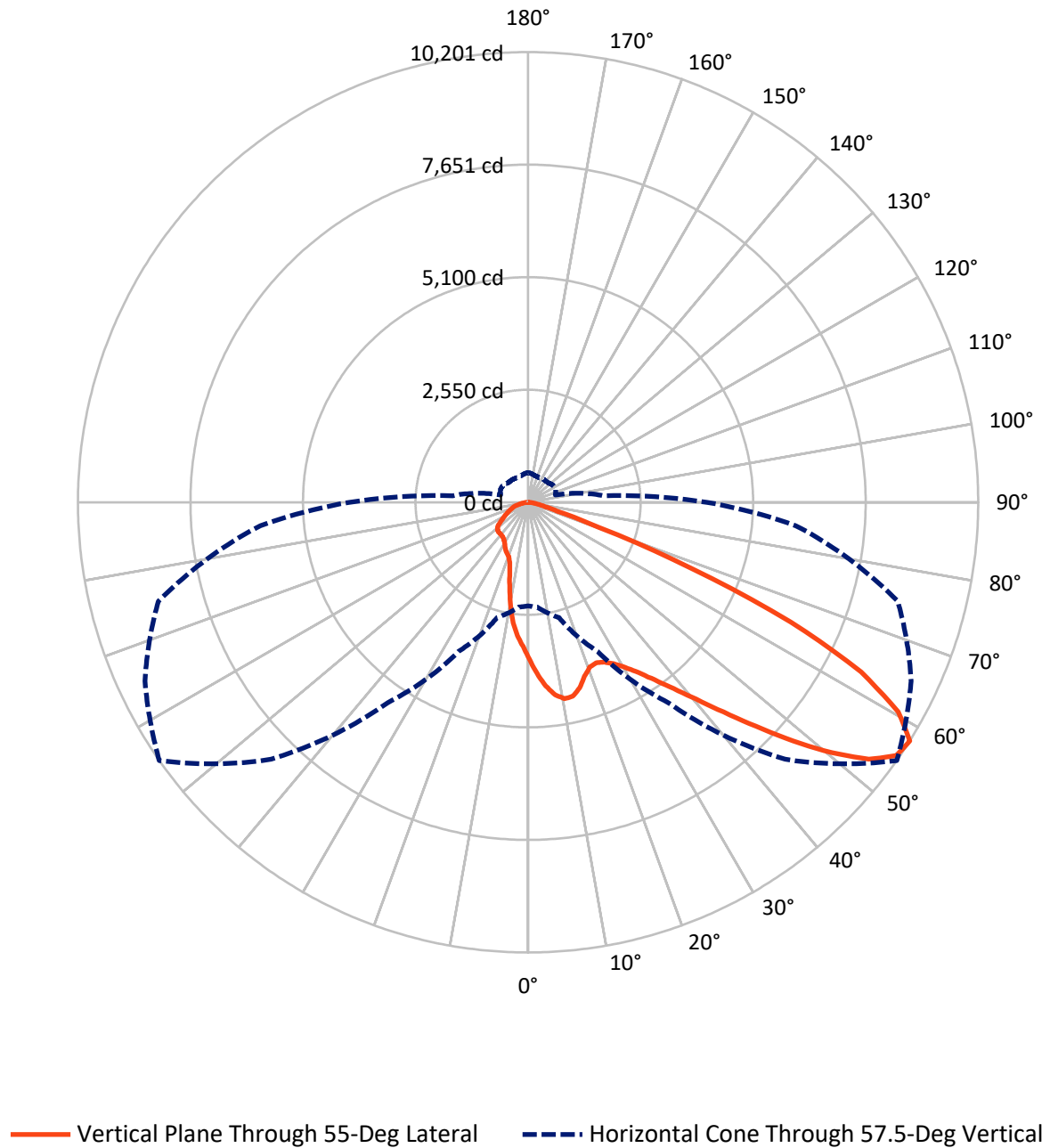


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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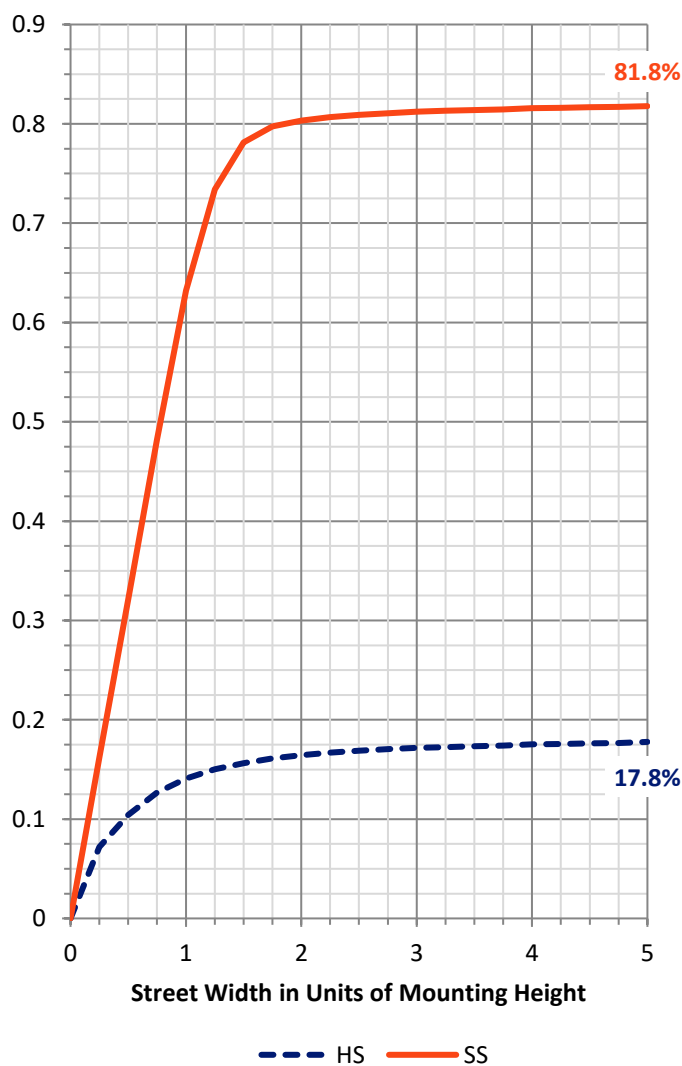
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2568.5	0.0	2568.5
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	11626.5	0.0	11626.5
	% Fixture	81.9	0.0	81.9
Total	Lumens	14195.0	0.0	14195.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.0	2.3
10°-20°	833.1	5.9
20°-30°	1329.3	9.4
30°-40°	2104.7	14.8
40°-50°	3221.4	22.7
50°-60°	3450.4	24.3
60°-70°	2170.7	15.3
70°-80°	641.9	4.5
80°-90°	113.5	0.8
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°	14195.0	100.0
0°-180°	14195.0	100.0

Coefficient of Utilization



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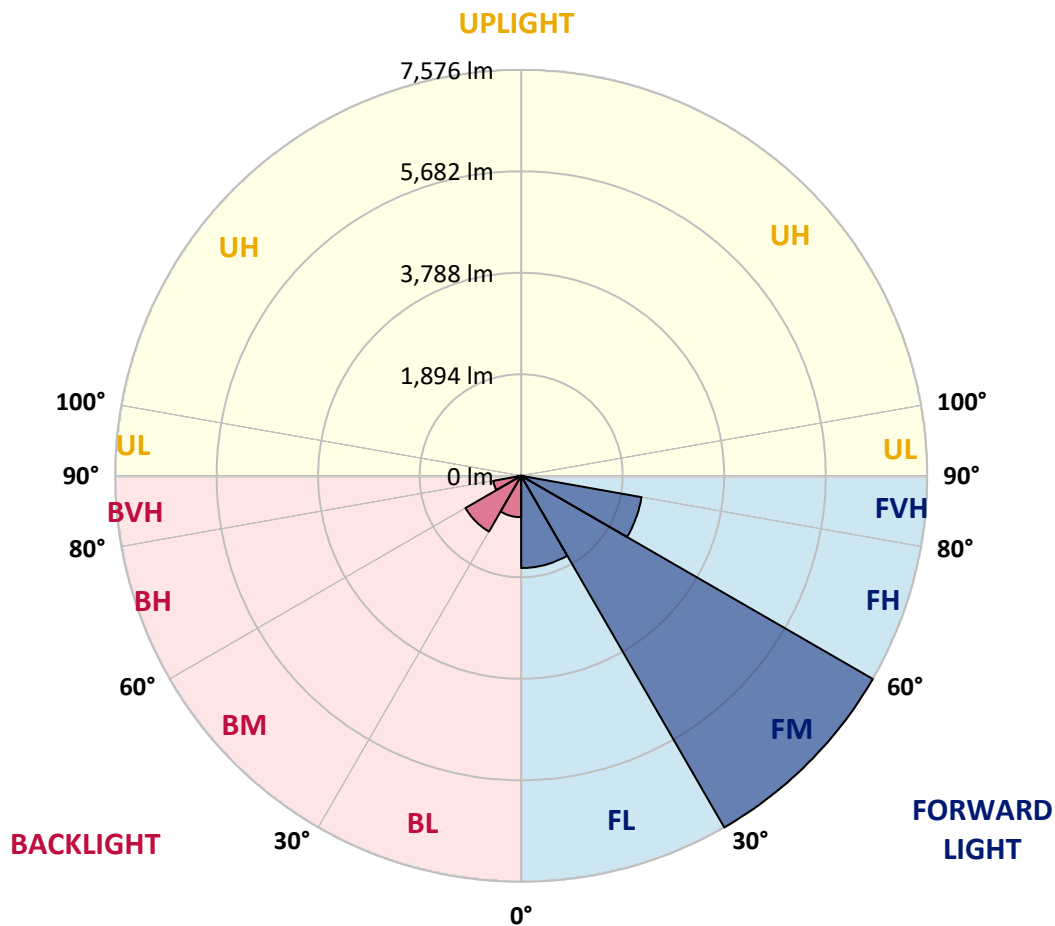
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1720.4	12.1			
FM	(30°-60°)	7576.0	53.4			
FH	(60°-80°)	2282.1	16.1			G2/5000
FVH	(80°-90°)	48.0	0.3			G1/100
BL	(0°-30°)	772.0	5.4	B2/1000		
BM	(30°-60°)	1200.5	8.5	B2/2500		
BH	(60°-80°)	530.5	3.7	B2/1000		G2/1000
BVH	(80°-90°)	65.5	0.5			G1/100
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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8
2.5°	4080.8	4077.8	4094.0	4038.9	4001.5	3950.9	3884.1	3799.0	3707.2	3610.4	3568.5
5°	4448.4	4422.7	4439.6	4398.5	4357.4	4281.1	4182.0	4043.3	3873.8	3680.8	3578.1
7.5°	4390.4	4372.8	4416.1	4452.8	4483.6	4474.1	4401.4	4256.1	4037.5	3757.1	3608.2
10°	3923.0	3903.2	3964.1	4091.0	4277.4	4439.6	4527.6	4437.4	4204.8	3840.8	3637.5
12.5°	3510.6	3501.0	3541.4	3644.1	3851.1	4162.2	4511.5	4595.9	4378.7	3939.9	3677.2
15°	3334.5	3322.7	3348.4	3400.5	3532.6	3822.4	4364.7	4704.5	4549.7	4054.3	3740.3
17.5°	3295.6	3282.4	3293.4	3320.5	3405.6	3626.5	4143.1	4758.1	4728.0	4182.0	3793.1
20°	3367.5	3356.5	3357.9	3356.5	3415.9	3591.3	3989.0	4737.5	4883.5	4299.4	3844.5
22.5°	3541.4	3523.1	3523.8	3484.9	3517.2	3652.9	3948.7	4682.5	5022.2	4402.2	3883.4
25°	3824.6	3791.6	3798.2	3699.2	3690.4	3790.9	4011.8	4639.9	5160.2	4484.3	3890.7
27.5°	4212.1	4174.7	4154.9	4007.4	3936.9	3986.8	4140.2	4654.6	5290.8	4555.5	3872.3
30°	4696.4	4650.9	4610.6	4401.4	4273.7	4255.4	4339.8	4751.5	5444.9	4630.4	3840.8
32.5°	5290.1	5237.2	5163.9	4886.5	4706.7	4610.6	4598.1	4923.9	5625.4	4725.8	3824.6
35°	5996.7	5927.8	5823.6	5464.7	5237.2	5040.6	4938.6	5172.7	5872.7	4869.6	3843.0
37.5°	6724.7	6646.9	6551.5	6124.4	5844.8	5555.0	5353.9	5510.2	6202.2	5064.8	3891.4
40°	7396.1	7308.8	7220.0	6839.9	6539.8	6190.5	5862.5	5937.3	6605.1	5298.2	3973.6
42.5°	7792.4	7727.8	7694.1	7488.6	7256.7	6902.3	6495.0	6443.6	7057.8	5566.7	4067.5
45°	7774.8	7748.4	7852.6	7937.7	7882.7	7686.0	7236.2	7003.5	7512.1	5799.3	4154.1
47.5°	7359.4	7377.1	7609.7	8088.1	8298.7	8401.5	8080.0	7553.2	7906.9	5973.3	4193.0
50°	6229.4	6244.0	6782.7	7814.4	8405.9	8984.8	8917.3	8089.6	8212.9	6079.7	4184.2
52.5°	5334.8	5344.4	5575.5	7002.8	8052.2	9278.4	9671.7	8595.2	8436.7	6109.0	4135.1
55°	4018.4	4051.4	4310.4	5494.1	7132.0	9045.8	10131.1	9116.2	8578.3	6112.0	4083.7
57.5°	2347.5	2383.4	2703.4	3729.3	5543.2	8234.9	10200.8	9578.5	8674.4	6088.5	4052.9
60°	1149.9	1165.3	1304.7	1960.0	3418.1	6672.6	9640.1	9802.3	8728.0	6076.0	4051.4
62.5°	774.9	772.7	778.6	967.2	1684.1	4287.0	8471.9	9410.5	8699.4	6028.3	4036.7
65°	666.3	658.2	636.2	678.8	872.5	1960.8	6545.6	8240.8	8481.4	5908.7	3936.2
67.5°	576.0	576.8	577.5	564.3	623.0	904.8	4000.0	6491.3	7699.2	5342.2	3548.7
70°	477.0	483.6	486.5	486.5	507.8	593.7	1707.6	4449.1	6073.1	4188.6	2858.2
72.5°	434.4	420.5	421.9	414.6	414.6	452.0	687.6	2522.1	3826.1	2356.3	1744.3
75°	354.4	363.2	364.7	359.6	342.7	344.9	408.0	1058.2	1637.1	977.4	862.2
77.5°	306.0	306.0	308.9	305.3	292.1	258.3	272.2	410.2	557.0	400.7	430.8
80°	245.8	245.1	257.6	264.9	244.4	190.8	173.9	226.7	247.3	176.1	223.8
82.5°	119.6	127.0	176.8	201.8	185.7	138.0	106.4	140.9	132.1	77.8	100.5
85°	69.7	66.0	79.3	112.3	106.4	76.3	51.4	73.4	69.0	39.6	40.4
87.5°	22.0	20.5	16.1	38.2	30.8	21.3	13.9	21.3	19.1	8.8	8.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8	3556.8
2.5°	3516.4	3429.9	3344.0	3265.5	3217.8	3187.0	3156.1	3121.7	3108.4	3088.6
5°	3481.2	3313.9	3164.9	3036.5	2919.9	2828.1	2735.7	2660.8	2627.1	2649.8
7.5°	3460.7	3218.5	2988.8	2753.3	2526.5	2345.3	2187.5	2076.7	2026.8	2039.3
10°	3442.3	3110.6	2760.6	2388.6	2062.8	1838.2	1676.8	1592.4	1560.8	1567.4
12.5°	3425.5	2989.6	2485.4	1996.0	1649.6	1501.4	1455.2	1455.9	1461.8	1466.2
15°	3422.5	2843.5	2178.0	1652.6	1426.5	1417.0	1466.9	1498.5	1515.3	1520.5
17.5°	3418.1	2668.9	1864.6	1418.5	1372.2	1436.8	1483.0	1503.6	1516.8	1517.5
20°	3400.5	2447.3	1575.5	1306.9	1360.5	1416.3	1444.9	1461.0	1472.0	1475.7
22.5°	3346.2	2200.7	1350.2	1257.0	1313.5	1358.3	1392.0	1410.4	1417.0	1421.4
25°	3248.6	1924.8	1194.7	1209.3	1248.2	1304.7	1331.9	1335.5	1333.3	1339.9
27.5°	3120.9	1629.1	1097.8	1144.8	1194.7	1243.1	1257.8	1255.6	1251.2	1258.5
30°	2966.8	1363.4	1036.1	1072.1	1140.4	1184.4	1197.6	1192.5	1183.6	1191.7
32.5°	2803.9	1146.2	985.5	1021.5	1095.6	1138.9	1152.1	1147.0	1140.4	1147.0
35°	2652.0	994.3	938.6	987.7	1060.4	1102.9	1119.8	1120.5	1120.5	1128.6
37.5°	2512.6	905.5	899.7	966.4	1036.1	1074.3	1098.5	1100.0	1068.4	1070.6
40°	2383.4	868.1	882.0	952.5	1012.7	1049.4	1050.8	968.6	910.7	909.2
42.5°	2277.8	860.8	887.2	951.0	995.8	997.3	893.8	829.9	813.8	814.5
45°	2178.7	858.6	898.9	951.0	970.8	861.5	791.8	774.9	776.4	782.2
47.5°	2067.9	849.8	901.1	937.8	898.9	766.1	745.6	738.2	735.3	736.8
50°	1946.8	818.2	873.2	911.4	775.6	725.0	699.3	697.1	700.8	703.0
52.5°	1819.1	766.8	825.5	863.7	719.1	689.1	660.4	665.6	681.7	686.9
55°	1735.5	706.7	762.4	768.3	679.5	655.3	631.1	642.8	672.9	682.4
57.5°	1713.5	642.8	690.5	683.9	628.9	625.9	611.3	621.5	659.7	673.6
60°	1706.9	585.6	620.1	614.9	579.7	593.7	590.0	595.1	608.3	612.7
62.5°	1655.5	540.1	557.0	549.6	535.7	559.9	568.7	557.7	568.0	573.1
65°	1524.9	503.4	495.3	490.2	496.1	518.1	535.7	513.7	523.2	537.9
67.5°	1309.1	453.5	431.5	437.4	455.7	467.4	490.2	465.2	473.3	498.3
70°	1058.9	390.4	370.6	387.5	405.1	429.3	433.0	416.1	435.2	463.0
72.5°	749.2	326.5	312.6	347.1	353.0	384.5	376.4	368.4	394.8	404.3
75°	519.5	263.4	255.4	281.8	303.1	330.2	324.3	333.9	389.7	394.1
77.5°	328.7	204.7	199.6	216.5	245.8	275.9	285.5	394.1	665.6	692.0
80°	190.8	152.6	146.8	160.0	185.7	213.5	275.2	483.6	438.8	433.7
82.5°	106.4	104.9	97.6	101.3	124.0	154.1	388.9	340.5	276.6	285.5
85°	49.9	61.6	52.8	50.6	69.7	180.5	259.8	194.5	129.2	126.2
87.5°	13.2	11.7	11.7	13.2	29.4	155.6	103.5	82.9	49.2	47.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)