

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: P947692

Luminaire Tested: **GALN-SB3A-722-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947692
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3A-722-U-SL2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11051 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.7
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



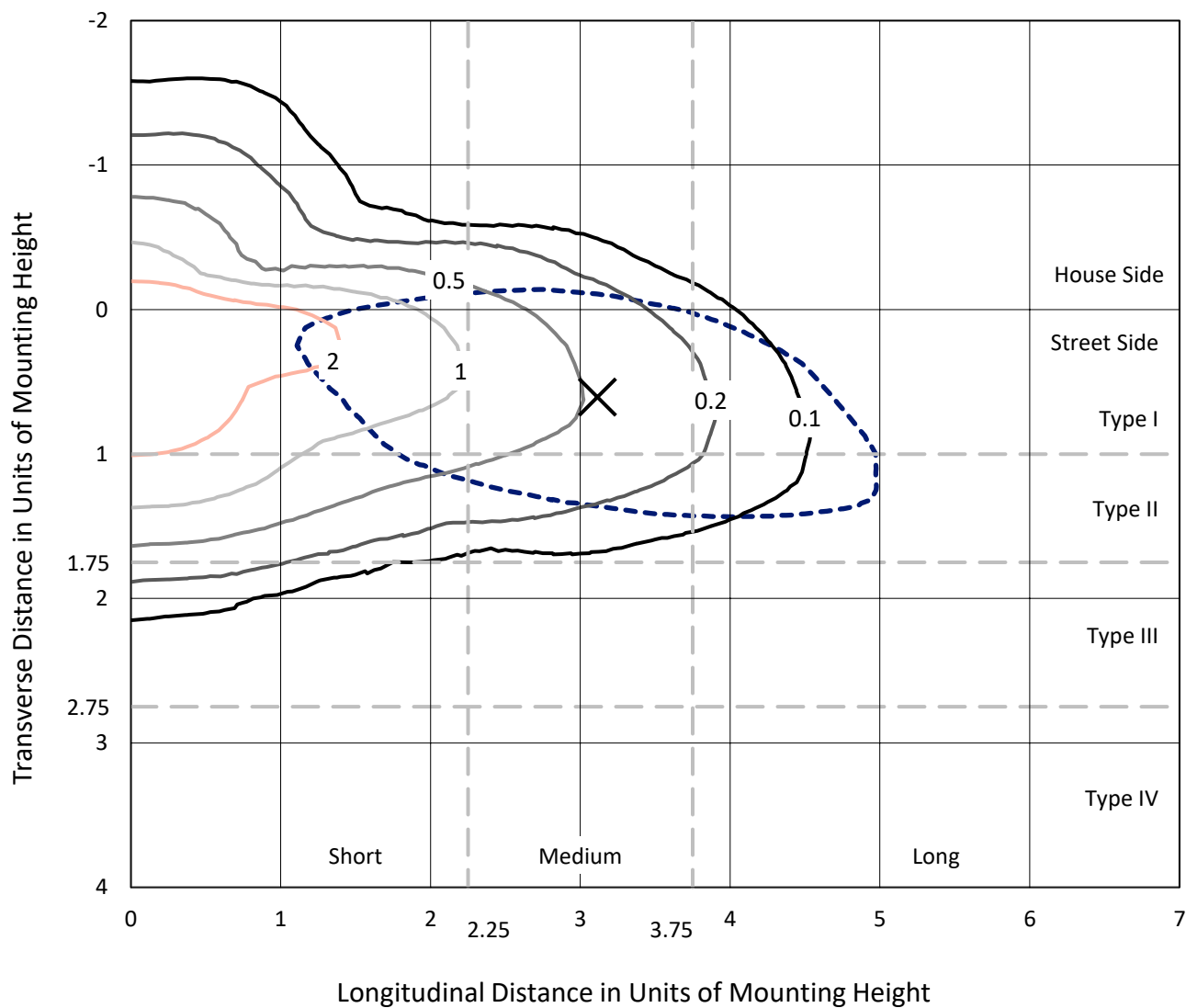
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

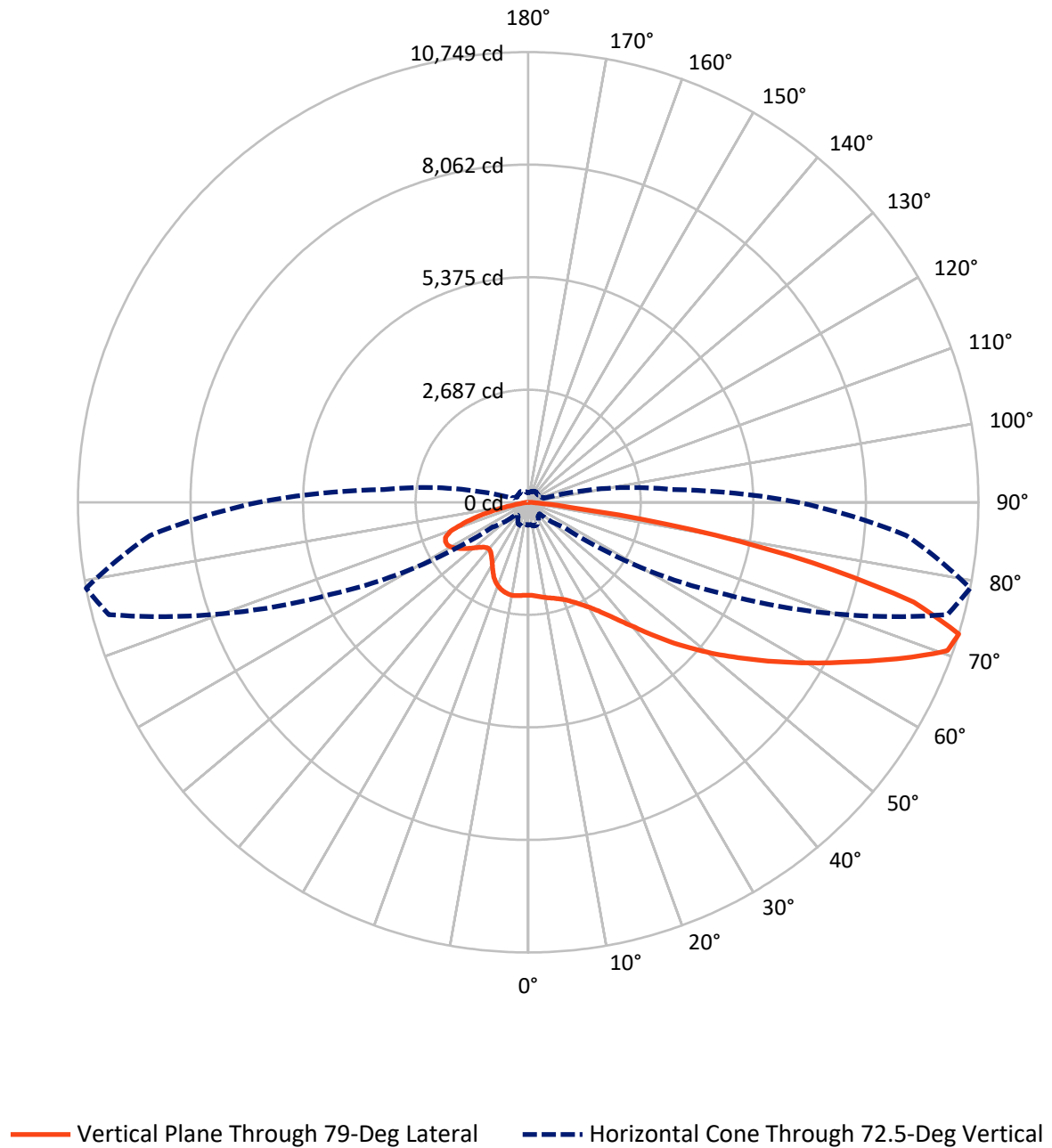


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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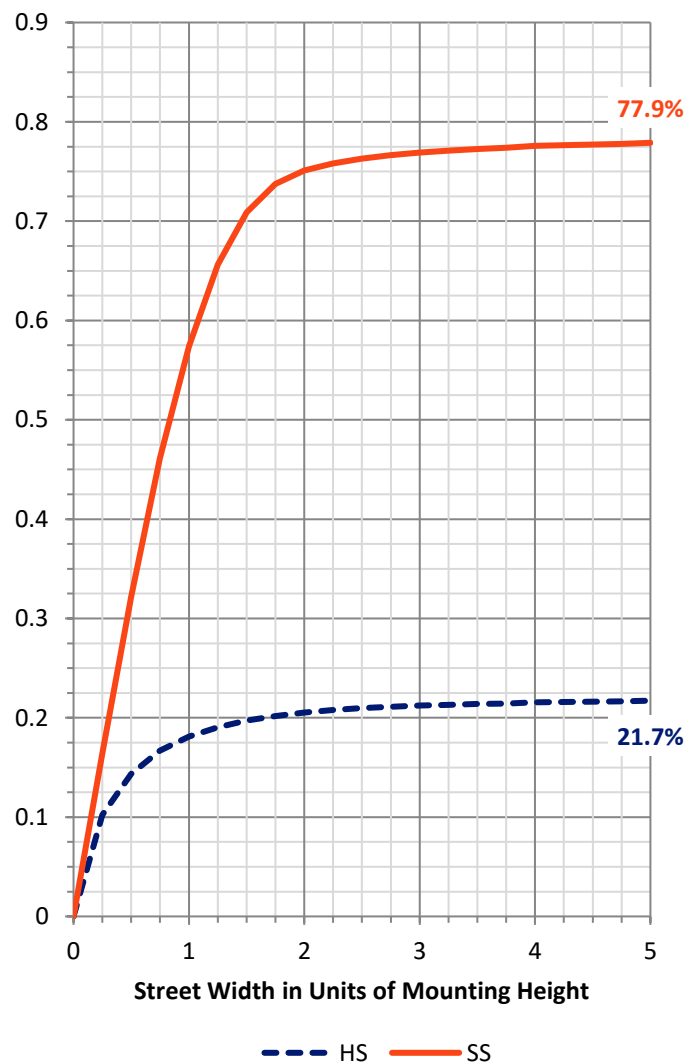
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2431.8	0.0	2431.8
	% Fixture	22.0	0.0	22.0
Street Side	Lumens	8619.2	0.0	8619.2
	% Fixture	78.0	0.0	78.0
Total	Lumens	11051.0	0.0	11051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.4	1.8
10°-20°	526.5	4.8
20°-30°	849.5	7.7
30°-40°	1275.0	11.5
40°-50°	1808.6	16.4
50°-60°	2284.1	20.7
60°-70°	2319.8	21.0
70°-80°	1581.0	14.3
80°-90°	205.1	1.9
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°	11051.0	100.0
0°-180°	11051.0	100.0

Coefficient of Utilization



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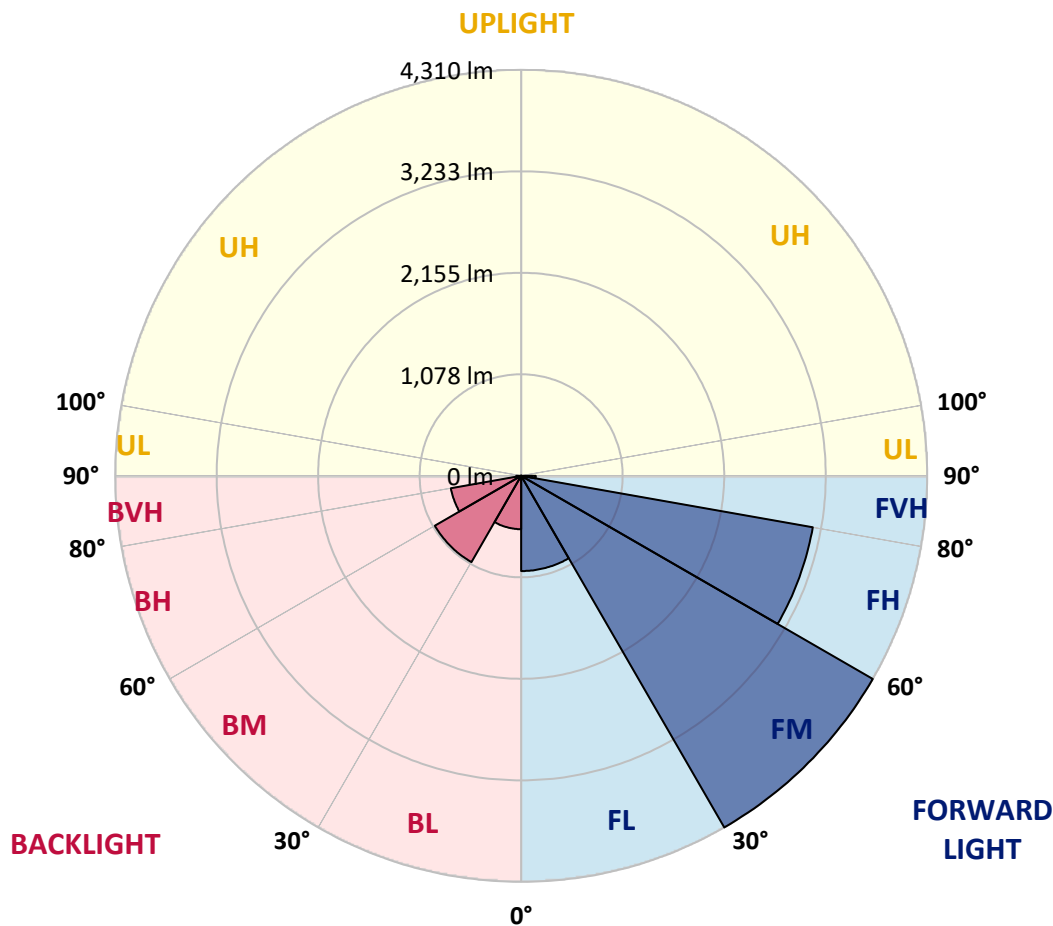
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1010.9	9.1			
FM	(30°-60°)	4310.1	39.0			
FH	(60°-80°)	3143.6	28.4			G2/5000
FVH	(80°-90°)	154.5	1.4			G2/225
BL	(0°-30°)	566.4	5.1	B2/1000		
BM	(30°-60°)	1057.6	9.6	B2/2500		
BH	(60°-80°)	757.2	6.9	B2/1000		G2/1000
BVH	(80°-90°)	50.6	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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4
2.5°	2219.6	2209.0	2215.5	2213.1	2216.0	2219.6	2220.7	2222.5	2228.3	2227.7	2227.2
5°	2214.9	2204.4	2213.1	2210.2	2217.8	2226.0	2233.0	2239.4	2248.8	2252.9	2247.0
7.5°	2204.9	2197.9	2206.7	2215.5	2229.5	2241.8	2251.7	2266.3	2279.8	2282.1	2286.2
10°	2147.1	2141.8	2162.3	2185.1	2223.6	2257.0	2278.6	2295.5	2310.2	2312.5	2318.3
12.5°	2086.9	2080.4	2103.2	2134.2	2196.8	2257.0	2302.6	2324.8	2337.6	2345.2	2354.0
15°	2076.9	2071.7	2084.5	2111.4	2163.4	2241.2	2318.9	2359.8	2371.0	2379.7	2383.2
17.5°	2124.9	2114.9	2120.2	2129.5	2159.9	2226.6	2331.8	2399.6	2416.5	2425.9	2425.9
20°	2235.9	2221.9	2213.7	2195.0	2189.7	2228.9	2330.6	2447.5	2469.7	2481.4	2484.4
22.5°	2383.8	2374.5	2356.9	2309.6	2258.1	2257.5	2352.8	2508.9	2550.4	2561.5	2554.5
25°	2562.7	2548.7	2526.4	2462.1	2363.4	2314.3	2390.2	2587.2	2656.8	2659.7	2639.3
27.5°	2768.4	2747.4	2717.0	2632.2	2499.0	2403.1	2447.5	2677.3	2779.0	2777.8	2735.7
30°	2985.3	2964.3	2932.1	2829.2	2661.5	2522.9	2527.0	2774.3	2923.9	2917.5	2845.6
32.5°	3143.7	3127.9	3121.5	3042.0	2848.5	2664.4	2618.2	2881.9	3102.8	3097.0	2996.4
35°	3265.3	3244.9	3252.5	3212.1	3052.5	2822.8	2729.9	3009.9	3320.3	3319.7	3194.6
37.5°	3385.7	3367.6	3374.0	3347.2	3241.4	3023.9	2866.1	3166.5	3589.7	3602.6	3434.3
40°	3495.6	3476.3	3502.1	3476.9	3388.1	3237.8	3021.0	3343.7	3901.9	3926.5	3724.2
42.5°	3561.7	3546.5	3589.2	3589.7	3515.5	3418.5	3191.1	3538.9	4263.2	4318.1	4080.8
45°	3584.5	3579.2	3643.5	3657.0	3628.3	3523.1	3344.2	3751.7	4652.5	4750.7	4487.0
47.5°	3559.9	3550.0	3638.8	3688.5	3711.3	3572.2	3471.1	3982.0	5050.0	5193.8	4930.1
50°	3436.0	3416.7	3548.8	3653.5	3734.7	3604.4	3599.1	4248.0	5501.8	5659.1	5375.6
52.5°	3213.3	3198.7	3348.9	3530.7	3683.3	3620.1	3742.9	4538.5	5930.9	6134.3	5832.1
55°	2928.6	2909.3	3074.8	3312.1	3555.3	3614.9	3886.7	4863.5	6437.1	6643.5	6303.8
57.5°	2477.3	2438.8	2648.0	2928.6	3346.6	3608.5	4036.3	5186.7	6951.5	7198.8	6807.1
60°	1819.1	1761.8	2018.5	2351.1	2938.6	3545.9	4221.7	5549.2	7568.8	7791.5	7356.6
62.5°	1059.2	1025.9	1193.7	1504.1	2214.9	3177.6	4325.7	5970.6	8175.6	8409.4	7896.7
65°	822.5	813.1	827.7	851.7	1232.8	2379.1	4004.8	6381.6	8947.2	9110.9	8459.7
67.5°	752.3	745.3	751.7	706.7	625.5	1325.2	3168.3	6485.6	9773.7	9873.1	8952.4
70°	668.7	660.5	681.6	643.0	492.2	602.7	2047.1	6108.0	10431.4	10617.8	9327.1
72.5°	544.8	535.5	584.6	567.0	414.4	387.0	1028.2	5210.7	10362.4	10749.4	9058.8
75°	418.5	413.3	471.7	486.3	337.9	304.6	493.4	3873.3	9119.0	9508.9	7807.3
77.5°	325.0	320.9	350.7	403.9	272.4	236.2	303.4	2456.9	6872.0	6940.4	5380.2
80°	243.8	232.1	259.5	312.7	212.2	172.4	205.8	1432.7	4343.8	3937.6	2341.7
82.5°	152.6	146.7	169.5	208.7	149.6	118.7	133.9	791.5	1740.8	1025.3	451.9
85°	87.1	84.8	92.4	119.2	81.3	68.4	76.6	349.6	318.0	218.6	136.2
87.5°	35.1	33.9	42.1	53.2	29.8	25.1	26.9	84.2	70.1	64.9	45.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4	2218.4
2.5°	2224.8	2224.8	2216.6	2203.8	2189.2	2179.8	2164.6	2160.5	2144.7	2140.1	2147.7
5°	2251.7	2247.0	2221.9	2185.6	2136.0	2090.4	2040.1	2008.5	1964.1	1948.3	1960.0
7.5°	2285.6	2272.7	2229.5	2150.0	2045.9	1943.6	1837.3	1756.6	1679.4	1652.0	1655.5
10°	2316.6	2298.5	2224.8	2085.7	1905.6	1728.5	1559.0	1440.3	1350.3	1313.5	1321.7
12.5°	2347.6	2314.3	2193.8	1978.7	1706.3	1466.1	1285.4	1193.1	1137.5	1093.1	1107.7
15°	2376.8	2330.0	2145.9	1835.5	1487.7	1243.9	1110.7	1037.0	992.6	963.3	968.6
17.5°	2410.7	2343.5	2074.0	1653.7	1279.6	1090.2	981.5	937.0	928.3	924.8	927.1
20°	2458.1	2355.8	1979.3	1450.3	1126.4	967.4	911.3	907.2	906.6	904.9	910.7
22.5°	2508.9	2370.4	1854.2	1265.6	996.1	890.9	880.9	872.7	867.5	866.9	873.3
25°	2569.1	2375.0	1697.5	1114.2	885.0	854.6	842.9	830.7	827.1	827.1	830.7
27.5°	2627.6	2359.3	1515.2	982.6	822.5	821.3	806.1	802.0	801.4	803.2	807.9
30°	2686.0	2329.4	1334.0	861.0	786.2	786.2	781.0	783.9	786.2	792.1	796.2
32.5°	2764.9	2297.9	1182.6	771.0	754.7	748.8	754.1	759.9	762.3	769.9	776.3
35°	2880.7	2275.7	1062.1	721.9	721.9	714.3	717.2	716.1	710.8	707.3	715.5
37.5°	3033.8	2274.5	962.8	699.1	694.5	693.3	693.9	686.3	665.8	641.3	641.8
40°	3218.0	2306.1	886.2	683.3	679.8	686.9	683.3	662.9	606.8	564.1	562.9
42.5°	3465.2	2396.1	837.1	664.1	674.6	683.3	669.3	598.6	560.6	531.9	530.8
45°	3756.3	2542.2	811.9	643.6	664.6	675.2	607.4	576.4	546.0	511.5	509.1
47.5°	4086.0	2726.4	806.1	624.3	642.4	648.9	581.0	567.0	532.5	495.1	492.2
50°	4445.0	2944.4	821.9	601.5	610.3	588.1	572.3	559.4	523.8	486.9	482.8
52.5°	4816.1	3184.7	853.4	570.5	578.1	553.6	568.8	557.7	518.5	468.8	465.3
55°	5180.9	3426.7	883.8	534.3	545.4	522.6	558.8	550.7	494.5	438.4	435.5
57.5°	5551.5	3667.5	913.7	502.1	513.8	492.8	543.1	531.9	467.6	410.4	409.2
60°	5936.7	3901.3	927.7	471.2	479.3	465.3	519.1	499.8	437.2	381.7	380.0
62.5°	6297.4	4096.0	904.9	440.2	445.4	439.6	487.5	461.8	406.8	349.6	349.0
65°	6659.2	4211.7	834.7	409.8	410.9	408.0	443.1	420.9	371.2	321.5	318.0
67.5°	6987.2	4276.6	723.1	377.0	374.1	372.9	401.6	376.5	336.7	293.4	289.9
70°	7056.7	4111.8	552.4	338.5	338.5	335.5	356.0	330.3	298.7	263.6	262.5
72.5°	6445.3	3458.8	392.2	294.6	299.3	293.4	310.4	288.8	260.1	236.7	229.7
75°	5197.3	2536.4	285.3	249.6	257.8	247.9	263.6	248.4	223.9	223.3	201.1
77.5°	3571.0	1568.4	206.9	205.8	211.6	198.7	216.9	208.7	186.5	176.5	165.4
80°	1523.9	625.5	150.8	159.0	159.0	147.3	168.4	170.7	151.4	146.7	146.7
82.5°	303.4	177.7	105.8	109.3	102.9	99.4	119.2	132.1	182.4	202.8	203.4
85°	91.2	65.5	63.7	59.6	52.6	53.2	70.1	132.7	163.7	93.5	80.7
87.5°	25.1	16.4	17.0	13.4	11.1	14.6	24.0	100.5	54.9	23.4	19.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)