

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: P942114

Luminaire Tested: **GALN-SB6A-722-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6A-722-U-T2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16409 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 170.9
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

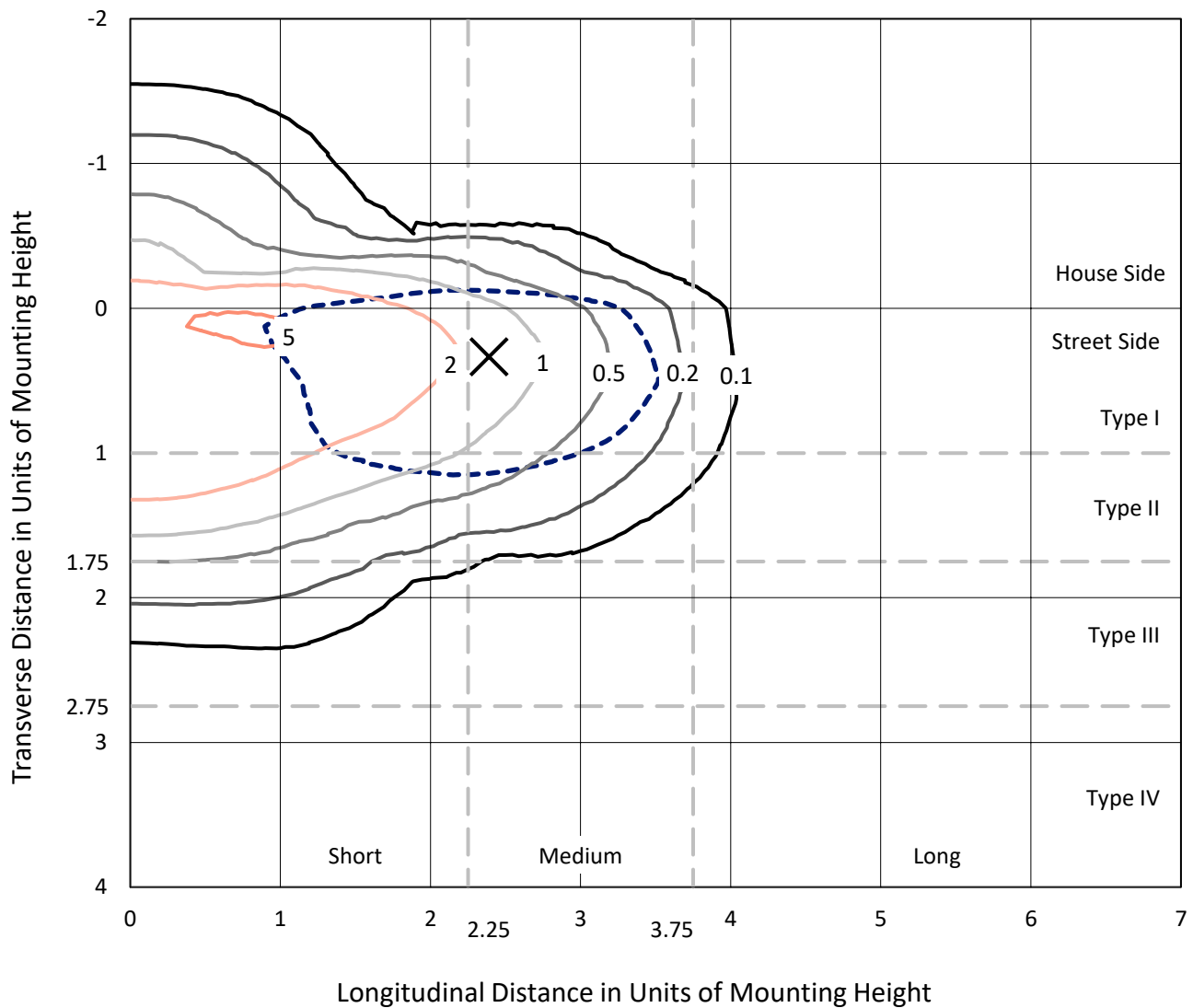


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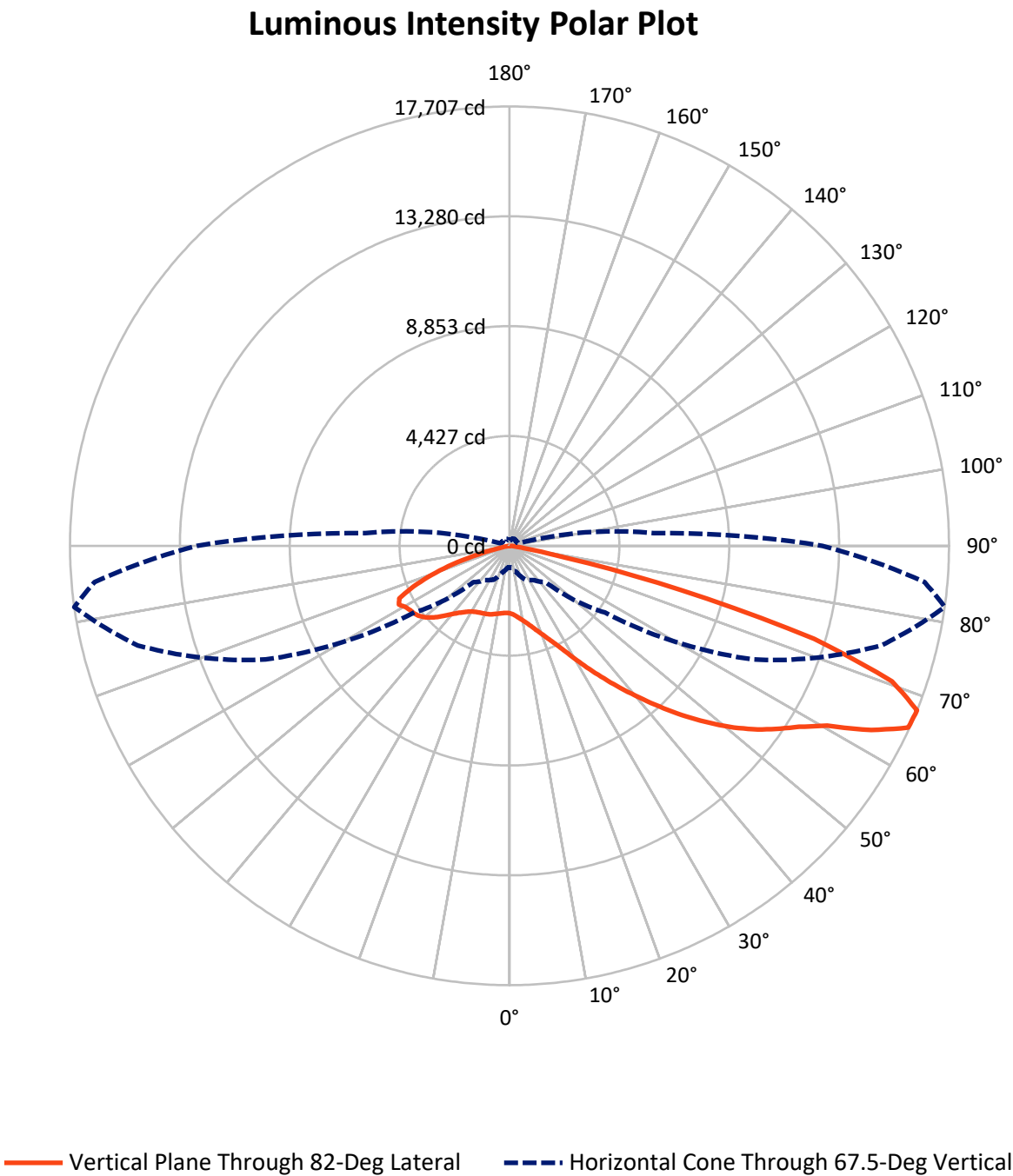
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
Type II - Medium - N/A

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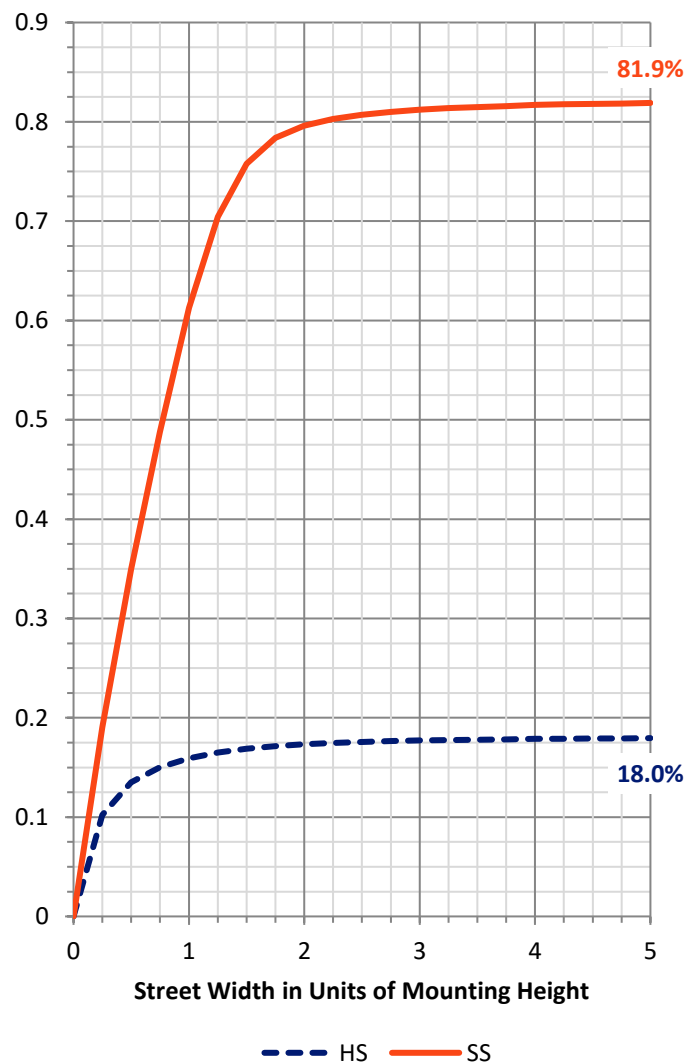
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2972.3	0.0	2972.3
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	13436.7	0.0	13436.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	16409.0	0.0	16409.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	242.2	1.5
10°-20°	629.4	3.8
20°-30°	1008.0	6.1
30°-40°	1782.5	10.9
40°-50°	3123.1	19.0
50°-60°	4165.4	25.4
60°-70°	3877.7	23.6
70°-80°	1488.3	9.1
80°-90°	92.4	0.6
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°	16409.0	100.0
0°-180°	16409.0	100.0

Coefficient of Utilization



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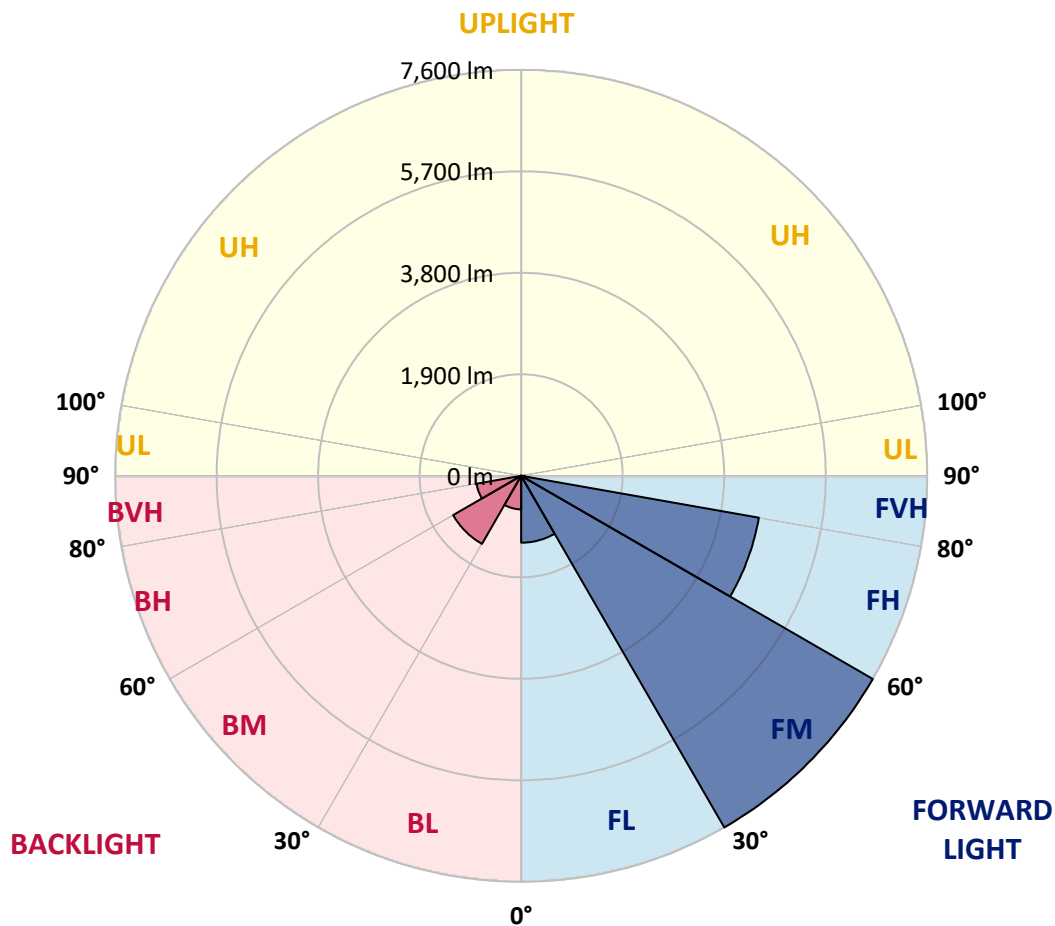
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1251.8	7.6			
FM	(30°-60°)	7600.0	46.3			
FH	(60°-80°)	4517.6	27.5			G2/5000
FVH	(80°-90°)	67.2	0.4			G1/100
BL	(0°-30°)	627.8	3.8	B2/1000		
BM	(30°-60°)	1471.0	9.0	B2/2500		
BH	(60°-80°)	848.4	5.2	B2/1000		G2/1000
BVH	(80°-90°)	25.2	0.2			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°	82°	85°
0°	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4
2.5°	2873.2	2889.7	2880.3	2875.5	2867.3	2855.5	2846.0	2816.5	2785.8	2765.7	2758.6
5°	2931.1	2947.6	2946.4	2951.2	2957.1	2960.6	2958.2	2925.2	2881.5	2847.2	2827.1
7.5°	2881.5	2900.4	2915.7	2939.3	2980.7	3024.4	3045.7	3038.6	2993.7	2946.4	2921.6
10°	2740.9	2760.9	2797.6	2853.1	2940.5	3035.0	3114.2	3150.8	3122.5	3070.5	3036.2
12.5°	2483.3	2503.4	2575.5	2696.0	2842.5	3006.7	3157.9	3256.0	3263.0	3211.1	3170.9
15°	2193.9	2214.0	2290.7	2442.0	2665.3	2928.7	3181.5	3367.0	3429.6	3384.7	3336.3
17.5°	2014.3	2032.0	2089.9	2211.6	2444.3	2772.8	3173.3	3485.1	3628.1	3592.7	3534.8
20°	1960.0	1975.3	2002.5	2087.5	2281.3	2610.9	3118.9	3596.2	3841.9	3821.8	3756.9
22.5°	2017.8	2032.0	2040.3	2078.1	2199.8	2504.6	3050.4	3709.6	4090.0	4092.4	4013.2
25°	2151.3	2165.5	2156.1	2179.7	2232.9	2471.5	3024.4	3843.1	4401.9	4427.9	4338.1
27.5°	2371.1	2372.3	2349.8	2348.6	2356.9	2521.1	3051.6	3986.1	4795.3	4843.8	4732.7
30°	2811.7	2794.0	2707.8	2614.5	2571.9	2670.0	3127.2	4155.0	5259.6	5345.9	5206.5
32.5°	3491.1	3465.1	3306.8	3083.5	2859.0	2909.8	3263.0	4347.6	5765.3	5921.2	5751.1
35°	4228.3	4221.2	4055.8	3723.8	3331.6	3251.2	3484.0	4600.4	6317.0	6565.1	6363.1
37.5°	4913.5	4909.9	4815.4	4424.4	3947.1	3727.3	3838.4	4931.2	6907.7	7266.8	7028.2
40°	5539.6	5550.2	5455.7	5106.0	4625.2	4338.1	4320.4	5340.0	7564.5	8031.2	7747.7
42.5°	6080.7	6092.5	5996.8	5738.1	5295.1	5013.9	4912.3	5840.9	8206.0	8852.3	8516.8
45°	6448.1	6521.4	6507.2	6300.4	5982.6	5690.8	5623.5	6469.4	8937.3	9723.0	9329.6
47.5°	6552.1	6619.4	6725.7	6754.1	6560.3	6273.3	6353.6	7226.7	9676.9	10594.9	10147.1
50°	6295.7	6358.3	6579.3	6873.4	7008.1	6919.5	7063.6	8038.3	10434.2	11464.4	10949.3
52.5°	5790.1	5853.9	6132.7	6598.2	7147.5	7426.3	7776.0	8838.1	11167.8	12287.8	11708.9
55°	5058.8	5126.1	5484.1	6011.0	6881.7	7635.4	8370.3	9636.7	11840.1	13028.5	12394.1
57.5°	4064.0	4113.7	4485.8	5223.0	6213.0	7427.5	8808.6	10508.6	12473.3	13756.3	13073.4
60°	2648.7	2692.4	3124.8	3947.1	5104.9	6732.8	8896.0	11480.9	13314.4	14702.6	13989.0
62.5°	1761.5	1791.0	2047.4	2651.1	3595.0	5399.0	8384.4	12257.1	14547.8	16349.5	15559.1
65°	1208.6	1238.1	1494.5	1915.1	2322.6	3571.4	6913.6	12154.3	15665.4	17657.3	16722.8
67.5°	862.4	887.2	1104.6	1501.6	1681.1	2074.5	4686.6	10840.6	15504.8	17706.9	16785.4
70°	617.9	632.1	811.6	1169.6	1336.2	1246.4	2606.2	8291.1	13575.5	16350.7	15507.1
72.5°	432.4	437.1	563.5	890.8	1076.3	909.7	1240.5	5527.8	10267.6	12833.6	12022.0
75°	293.0	298.9	379.2	653.3	863.6	694.7	656.9	2964.1	6027.5	7103.8	6367.8
77.5°	179.6	181.9	244.6	446.6	646.2	529.3	422.9	1255.8	2332.1	2289.6	1951.7
80°	101.6	101.6	155.9	277.6	440.7	341.4	296.5	534.0	738.4	648.6	571.8
82.5°	56.7	57.9	113.4	172.5	291.8	202.0	163.0	246.9	319.0	282.4	245.7
85°	23.6	26.0	69.7	81.5	139.4	100.4	66.2	104.0	118.1	105.1	76.8
87.5°	2.4	3.5	21.3	15.4	16.5	20.1	9.5	20.1	16.5	16.5	11.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4	2718.4
2.5°	2736.1	2718.4	2673.5	2621.5	2553.0	2519.9	2475.0	2444.3	2418.3	2420.7	2397.1
5°	2789.3	2744.4	2644.0	2518.8	2362.8	2251.8	2133.6	2052.1	1985.9	1971.8	1939.9
7.5°	2862.5	2791.7	2615.6	2390.0	2126.5	1926.9	1748.5	1633.9	1552.4	1526.4	1500.4
10°	2957.1	2854.3	2579.0	2228.1	1848.9	1594.9	1403.5	1313.7	1258.2	1239.3	1225.1
12.5°	3066.9	2926.3	2530.6	2030.8	1563.0	1318.4	1196.8	1151.9	1134.2	1128.2	1124.7
15°	3205.2	3016.1	2457.3	1796.9	1320.8	1149.5	1097.5	1091.6	1094.0	1091.6	1090.4
17.5°	3369.4	3114.2	2338.0	1555.9	1157.8	1063.3	1044.4	1049.1	1055.0	1053.8	1051.5
20°	3548.9	3211.1	2185.6	1342.1	1046.7	1001.8	991.2	995.9	1000.7	998.3	997.1
22.5°	3753.3	3315.0	2016.7	1175.5	972.3	945.1	933.3	934.5	934.5	929.8	927.4
25°	3997.9	3429.6	1839.4	1057.4	915.6	894.3	880.1	875.4	868.3	854.2	851.8
27.5°	4289.7	3551.3	1669.3	974.7	870.7	850.6	834.1	822.3	804.5	780.9	778.5
30°	4618.1	3699.0	1525.2	922.7	835.3	815.2	796.3	778.5	752.6	723.0	720.7
32.5°	5004.4	3857.3	1420.1	888.4	803.4	782.1	759.6	738.4	710.0	680.5	681.7
35°	5465.2	4048.7	1358.6	864.8	778.5	750.2	725.4	701.8	680.5	654.5	652.1
37.5°	5964.9	4251.9	1339.7	853.0	762.0	718.3	689.9	673.4	671.0	655.7	654.5
40°	6511.9	4492.9	1353.9	845.9	744.3	687.6	656.9	653.3	659.2	632.1	633.2
42.5°	7090.8	4778.8	1377.5	837.6	719.5	656.9	627.3	627.3	622.6	584.8	584.8
45°	7716.9	5108.4	1401.1	817.5	689.9	626.1	603.7	595.4	575.3	538.7	537.5
47.5°	8347.8	5443.9	1418.9	780.9	654.5	600.2	580.1	561.2	531.6	498.6	497.4
50°	8946.8	5745.2	1400.0	726.6	614.3	575.3	554.1	528.1	496.2	473.7	470.2
52.5°	9482.0	6006.3	1319.6	662.8	571.8	549.4	530.5	503.3	477.3	453.7	451.3
55°	9947.4	6217.7	1177.9	602.5	534.0	526.9	508.0	473.7	438.3	418.2	415.9
57.5°	10394.0	6378.4	1000.7	552.9	499.7	502.1	473.7	443.0	409.9	388.7	386.3
60°	10988.3	6593.4	821.1	506.8	463.1	470.2	439.5	417.0	375.7	348.5	345.0
62.5°	11938.1	6927.8	652.1	450.1	420.6	422.9	409.9	382.8	333.2	301.3	298.9
65°	12691.8	6804.9	513.9	388.7	372.1	375.7	375.7	346.2	293.0	256.4	252.8
67.5°	12606.8	5826.7	409.9	328.4	326.1	328.4	336.7	311.9	259.9	230.4	225.6
70°	11613.2	4634.7	328.4	272.9	283.5	277.6	301.3	284.7	233.9	204.4	200.8
72.5°	9476.1	3338.7	250.5	225.6	217.4	226.8	271.7	256.4	194.9	161.9	158.3
75°	5537.3	1781.6	186.7	178.4	157.1	189.0	241.0	218.6	148.9	119.3	115.8
77.5°	1802.8	621.4	137.0	131.1	117.0	152.4	205.6	184.3	121.7	94.5	91.0
80°	483.2	187.8	93.3	86.2	75.6	113.4	163.0	146.5	87.4	61.4	60.3
82.5°	193.8	79.2	54.3	48.4	41.3	78.0	128.8	118.1	65.0	39.0	39.0
85°	62.6	26.0	20.1	15.4	18.9	48.4	76.8	80.3	46.1	20.1	15.4
87.5°	8.3	3.5	3.5	4.7	3.5	8.3	23.6	22.4	13.0	2.4	0.0
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)