

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: P945906

Luminaire Tested: **GALN-SB1D-722-U-SL2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P945906
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-11)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB1D-722-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE II SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6816 lumens
Efficiency: N/A
Efficacy: 85.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

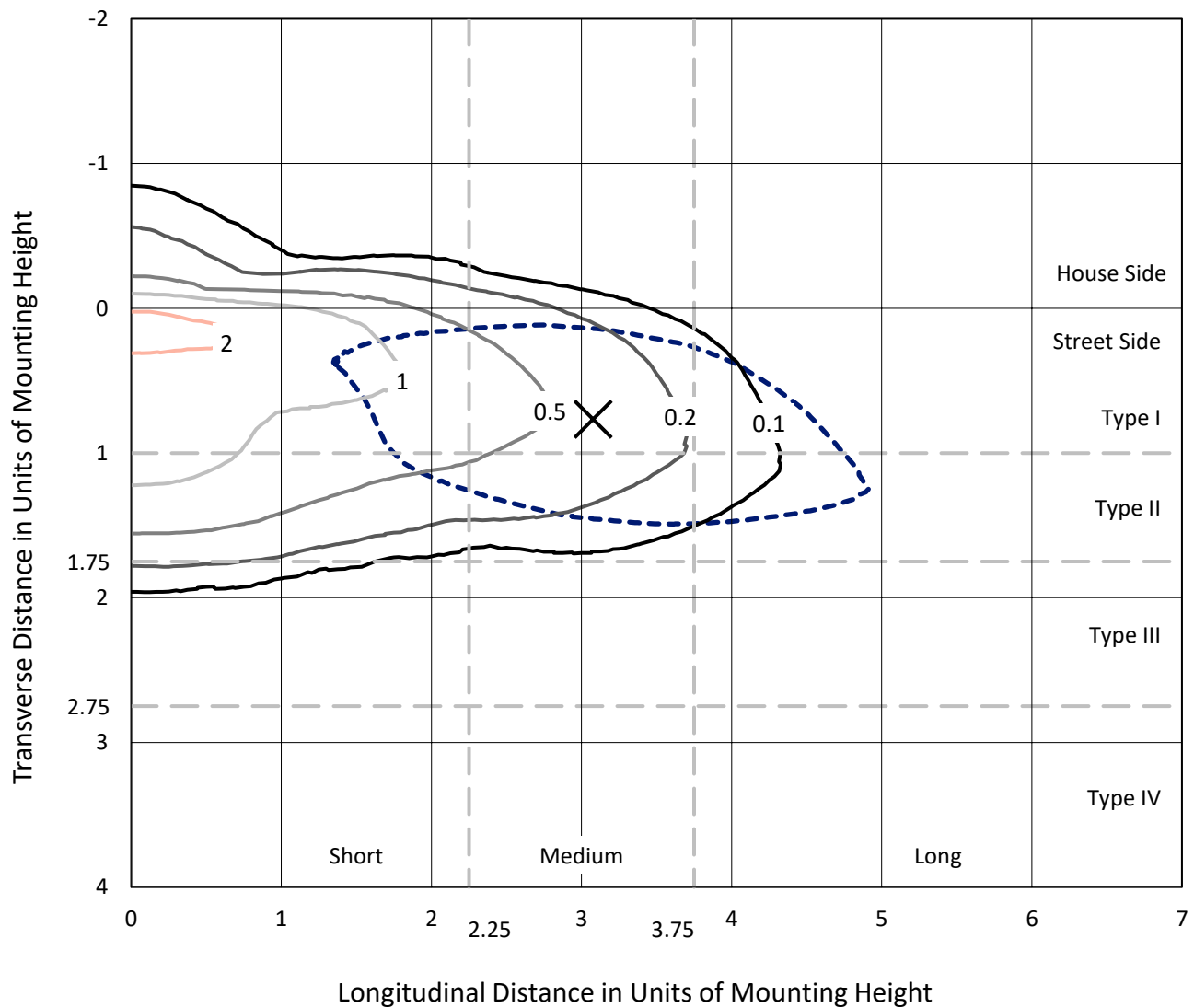
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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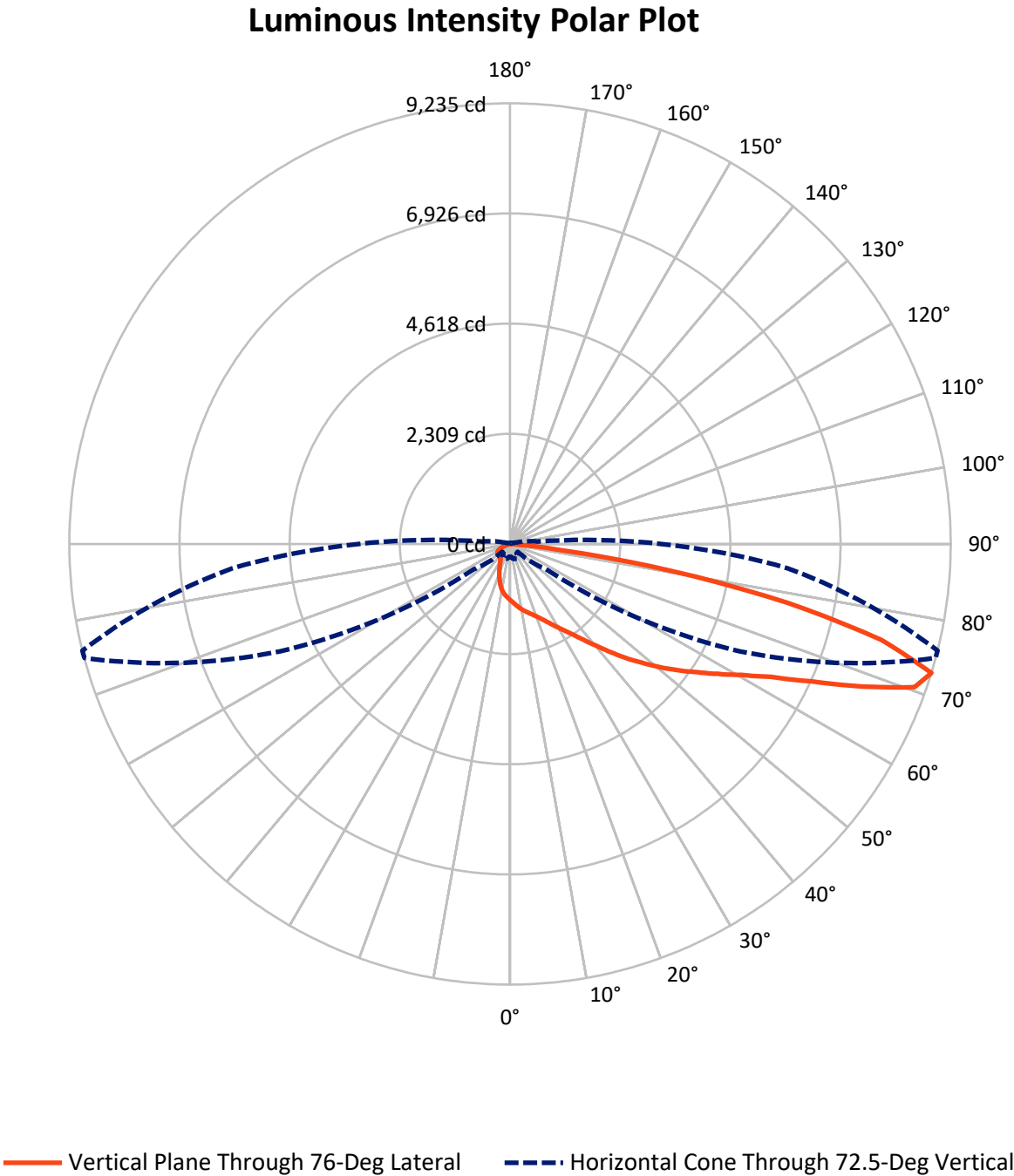
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - N/A

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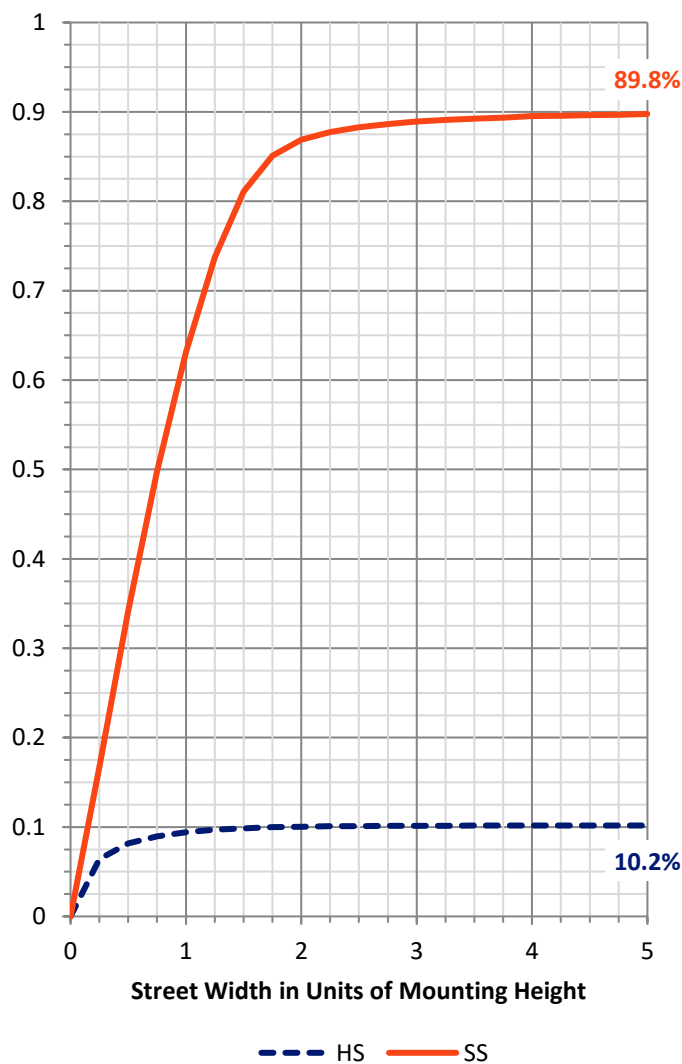
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	697.6	0.0	697.6
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	6118.4	0.0	6118.4
	% Fixture	89.8	0.0	89.8
Total	Lumens	6816.0	0.0	6816.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.1	1.6
10°-20°	287.2	4.2
20°-30°	454.6	6.7
30°-40°	703.4	10.3
40°-50°	1068.3	15.7
50°-60°	1472.8	21.6
60°-70°	1555.9	22.8
70°-80°	1067.4	15.7
80°-90°	99.3	1.5
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°	6816.0	100.0
0°-180°	6816.0	100.0

Coefficient of Utilization



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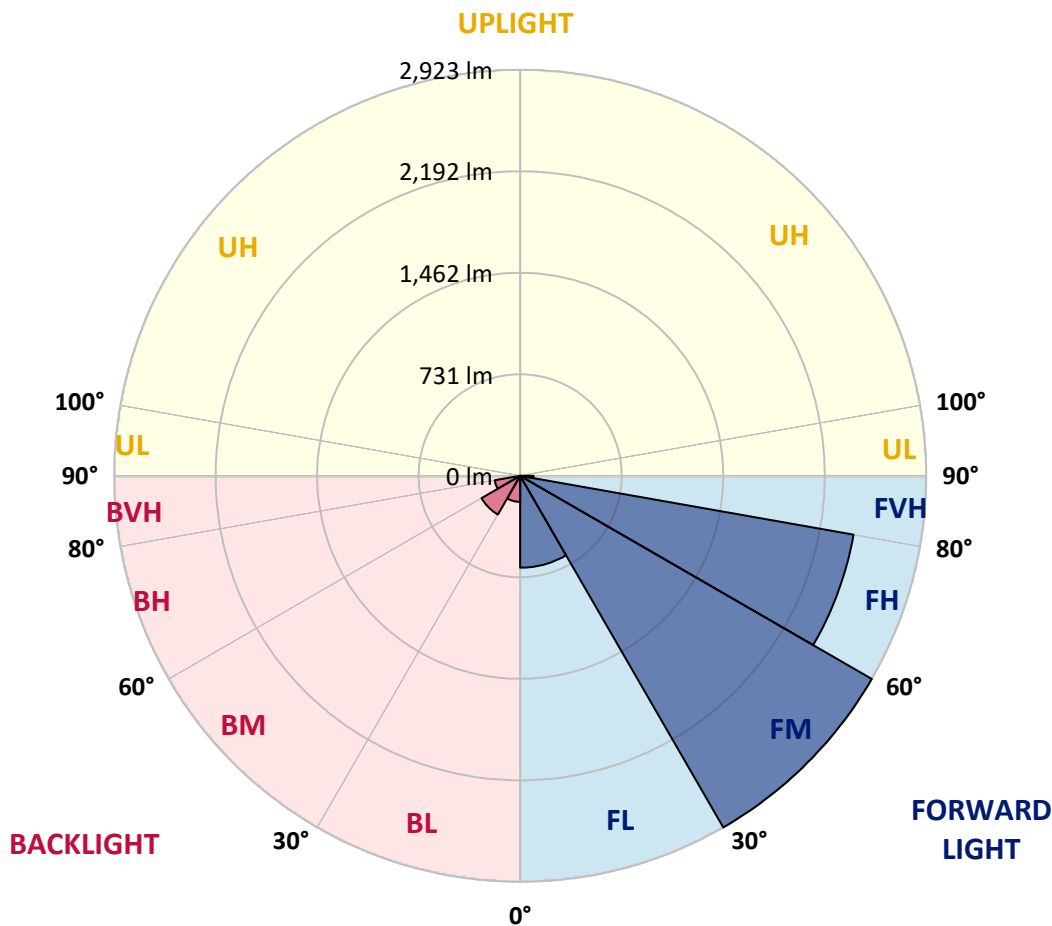
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	661.5	9.7			
FM	(30°-60°)	2923.2	42.9			
FH	(60°-80°)	2437.0	35.8			G2/5000
FVH	(80°-90°)	96.7	1.4			G1/100
BL	(0°-30°)	187.5	2.8	B1/500		
BM	(30°-60°)	321.2	4.7	B1/1000		
BH	(60°-80°)	186.2	2.7	B1/500		G1/500
BVH	(80°-90°)	2.7	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9
2.5°	1369.3	1351.2	1354.7	1336.6	1328.2	1307.9	1286.6	1258.8	1227.8	1227.8	1197.8
5°	1513.4	1502.0	1502.0	1480.7	1464.4	1432.5	1394.5	1345.4	1287.1	1281.3	1224.3
7.5°	1601.9	1594.8	1599.2	1586.8	1573.6	1540.4	1495.3	1431.2	1348.5	1341.5	1255.7
10°	1619.1	1618.7	1631.1	1634.6	1643.4	1626.6	1586.4	1512.6	1409.1	1398.9	1282.7
12.5°	1552.4	1544.0	1574.5	1610.3	1660.7	1683.2	1662.5	1586.8	1464.4	1450.2	1307.9
15°	1442.7	1444.5	1473.7	1528.9	1612.9	1693.4	1720.4	1659.4	1520.5	1503.7	1331.7
17.5°	1379.9	1373.3	1398.5	1448.0	1540.9	1654.5	1747.3	1727.0	1580.2	1561.2	1356.0
20°	1372.4	1372.0	1377.7	1400.3	1471.0	1598.8	1744.2	1792.9	1650.5	1628.4	1391.0
22.5°	1424.6	1423.7	1418.8	1414.4	1433.9	1544.4	1731.0	1855.7	1734.5	1710.6	1440.5
25°	1504.6	1503.3	1495.8	1468.8	1449.8	1515.2	1718.6	1914.0	1834.0	1807.5	1500.6
27.5°	1602.3	1601.4	1587.7	1547.1	1498.0	1517.9	1712.4	1974.2	1949.0	1922.9	1570.0
30°	1722.1	1720.4	1692.1	1634.6	1570.5	1559.9	1720.8	2041.8	2068.8	2048.9	1650.1
32.5°	1872.5	1867.6	1830.5	1743.8	1654.1	1616.0	1736.7	2111.2	2210.7	2192.1	1757.1
35°	1988.8	1981.2	1959.6	1883.1	1750.9	1685.0	1773.9	2193.5	2381.4	2365.0	1893.7
37.5°	2088.7	2081.2	2063.5	2000.7	1889.7	1773.0	1833.6	2303.1	2583.0	2575.0	2060.4
40°	2196.6	2184.2	2175.8	2108.6	2008.2	1899.9	1918.9	2431.3	2815.1	2816.0	2260.7
42.5°	2279.7	2274.8	2275.7	2224.0	2122.7	2050.2	2032.1	2575.9	3093.2	3101.6	2501.6
45°	2350.9	2346.9	2363.2	2327.0	2238.1	2148.8	2164.7	2739.5	3397.4	3414.7	2771.3
47.5°	2405.7	2410.1	2433.5	2410.1	2357.9	2218.2	2282.3	2915.9	3717.1	3719.3	3049.9
50°	2460.5	2462.3	2501.2	2489.7	2468.5	2306.2	2390.7	3113.1	4054.0	4058.0	3310.3
52.5°	2477.8	2475.1	2537.0	2565.3	2566.2	2415.0	2530.8	3328.0	4384.3	4397.1	3578.2
55°	2389.3	2396.8	2496.8	2611.7	2657.3	2565.3	2720.1	3599.9	4736.2	4741.5	3843.5
57.5°	1956.9	1998.5	2219.5	2486.2	2716.1	2780.6	2992.0	3917.8	5142.5	5137.7	4112.4
60°	1187.6	1237.1	1501.5	2085.1	2524.2	2996.8	3392.5	4410.4	5586.5	5572.7	4384.3
62.5°	664.1	679.1	763.6	1248.2	1919.8	2859.3	3783.8	5043.1	6182.5	6136.0	4651.8
65°	489.5	494.3	514.2	611.5	943.5	2199.2	3698.1	5799.6	7019.9	6937.2	4972.3
67.5°	425.3	430.2	449.7	462.9	421.4	1155.3	3046.8	6219.2	8083.2	7974.9	5406.1
70°	358.1	360.8	392.2	401.0	301.5	439.5	1957.4	6089.6	9067.4	8990.1	5871.6
72.5°	267.1	277.7	323.2	344.4	241.9	233.5	921.4	5324.3	9234.1	9235.0	5840.2
75°	181.3	191.0	243.2	283.4	186.6	163.6	371.8	3975.7	8040.8	8040.8	5119.6
77.5°	123.8	131.8	169.3	222.4	141.5	112.3	192.8	2523.3	5768.6	5971.6	3649.0
80°	54.8	59.7	109.2	161.4	107.4	72.5	109.2	1381.7	3488.5	3445.6	1430.3
82.5°	27.0	30.9	69.9	100.8	69.4	44.7	57.5	657.0	1130.6	1074.4	223.3
85°	5.3	7.1	37.6	42.9	32.3	19.9	21.7	202.1	136.2	155.6	47.3
87.5°	0.0	0.0	11.5	8.0	3.5	4.4	4.4	18.1	10.6	12.4	12.4
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°	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9	1177.9
2.5°	1181.8	1165.5	1129.7	1094.3	1058.0	1024.9	1001.9	978.9	964.8	958.6	959.4
5°	1191.1	1158.0	1082.8	1004.1	926.3	850.2	793.2	739.7	722.9	695.0	696.8
7.5°	1205.7	1151.8	1033.3	900.6	774.2	662.8	582.3	518.2	492.5	467.8	467.3
10°	1215.4	1140.3	967.8	790.5	619.4	494.3	417.4	371.0	354.2	339.1	338.7
12.5°	1219.4	1119.1	892.7	667.2	481.9	376.7	330.7	309.1	303.3	298.0	298.0
15°	1223.0	1098.3	808.7	548.3	380.7	315.2	297.1	290.0	286.1	282.5	282.5
17.5°	1226.1	1071.8	712.7	445.7	321.4	290.5	281.6	274.1	271.0	267.1	267.1
20°	1236.7	1046.1	627.0	367.9	289.2	272.8	263.1	255.1	252.5	249.8	250.3
22.5°	1256.6	1025.3	543.8	315.2	269.7	254.7	242.3	233.5	231.7	229.9	228.6
25°	1280.4	999.7	465.6	281.2	250.7	233.9	220.2	212.7	210.9	211.3	210.5
27.5°	1310.9	971.4	398.4	259.5	233.9	214.4	199.0	193.2	194.1	195.9	195.0
30°	1344.6	945.3	345.8	244.5	218.9	197.2	181.7	177.7	180.8	183.5	182.6
32.5°	1394.5	922.3	309.1	232.6	205.6	183.0	170.7	165.8	169.3	172.9	172.0
35°	1462.6	910.8	288.3	222.4	194.1	172.0	159.6	156.1	159.6	160.5	160.1
37.5°	1546.2	909.9	279.4	214.0	183.5	162.7	149.0	147.7	150.3	150.8	149.9
40°	1654.1	915.7	272.8	207.8	172.4	152.1	139.3	137.9	138.8	141.9	141.5
42.5°	1790.7	939.6	263.5	199.8	160.5	141.5	131.3	128.2	127.8	131.3	130.9
45°	1962.2	992.2	251.1	187.0	149.9	132.6	122.5	118.9	117.6	118.5	119.8
47.5°	2149.2	1056.7	238.8	175.1	142.4	125.6	115.4	111.0	108.8	108.8	108.8
50°	2330.5	1129.7	230.4	162.7	137.1	118.9	107.9	103.5	99.9	99.0	98.6
52.5°	2510.0	1201.3	223.7	150.3	130.9	110.5	100.8	95.9	92.0	90.2	89.3
55°	2673.6	1269.4	212.2	138.4	122.9	101.7	93.7	88.9	84.0	80.9	79.6
57.5°	2830.6	1326.0	191.0	126.0	110.5	93.3	86.2	80.9	75.2	71.2	69.4
60°	2973.4	1355.2	164.5	112.7	98.2	84.4	77.8	73.0	65.4	58.8	57.0
62.5°	3082.2	1343.7	135.7	97.7	85.3	76.5	68.1	63.2	54.4	46.4	43.3
65°	3193.6	1280.9	108.3	81.8	74.7	65.9	57.0	52.2	42.0	33.6	31.4
67.5°	3338.2	1146.9	85.3	68.1	64.6	52.2	44.7	41.6	34.5	26.5	24.8
70°	3431.0	890.9	66.3	55.3	53.1	38.0	34.5	34.0	27.4	20.3	18.1
72.5°	3176.3	584.1	50.8	42.0	38.0	24.8	26.5	26.5	19.9	13.7	11.9
75°	2651.5	341.8	36.7	30.1	21.7	15.9	18.1	18.1	12.4	6.6	5.3
77.5°	1893.7	182.2	24.3	18.6	11.1	7.1	9.7	9.3	4.0	0.4	0.0
80°	724.2	62.8	11.5	7.5	3.1	1.3	0.9	0.4	0.4	0.0	0.0
82.5°	110.5	16.4	2.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	0.0	0.0	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	0.0

(END OF REPORT)