

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: P940242

Luminaire Tested: **GALN-SB3B-722-U-SL4**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940242
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
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-SL4
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13835 lumens
Efficiency: N/A
Efficacy: 126.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G3

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

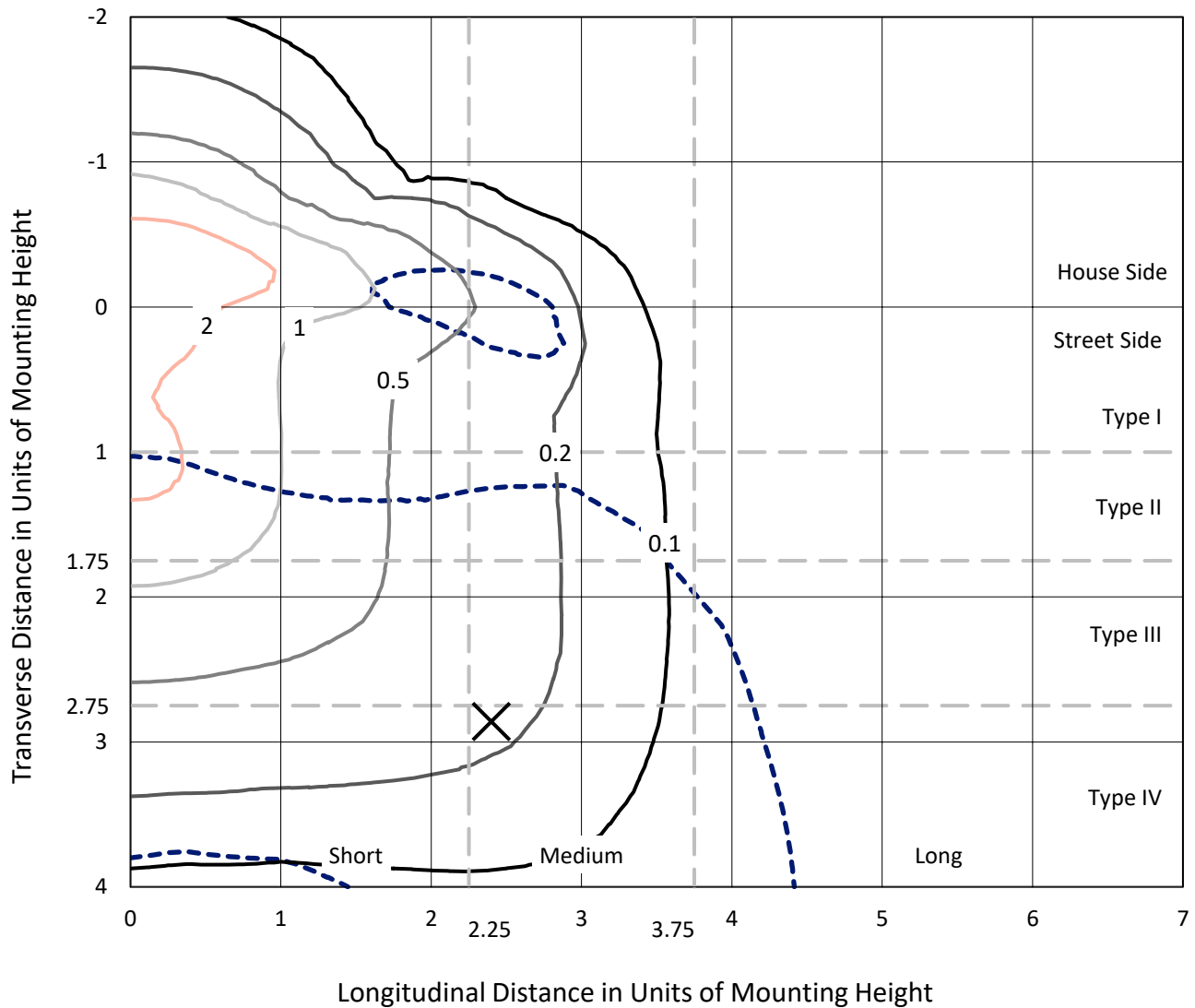


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

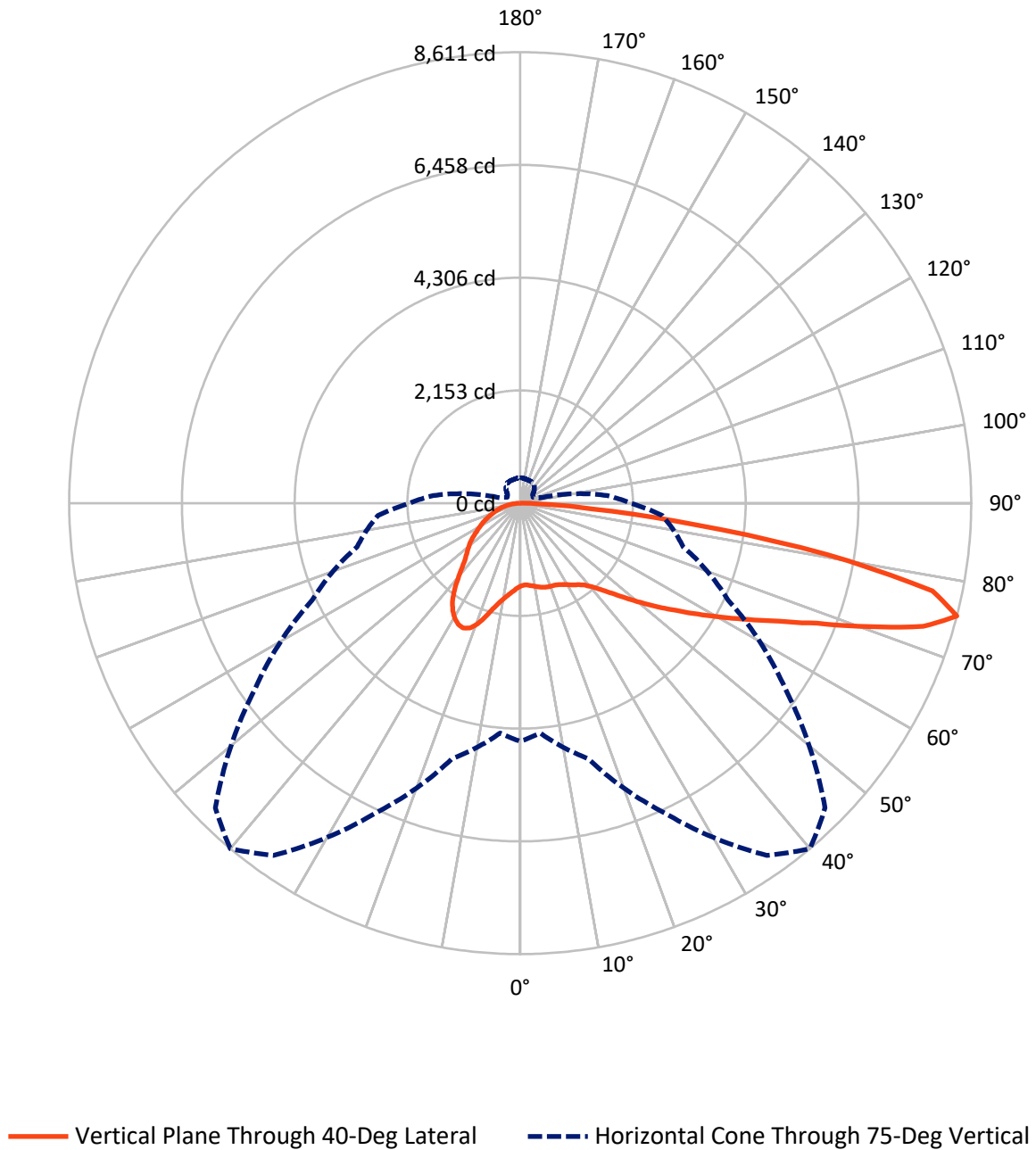


Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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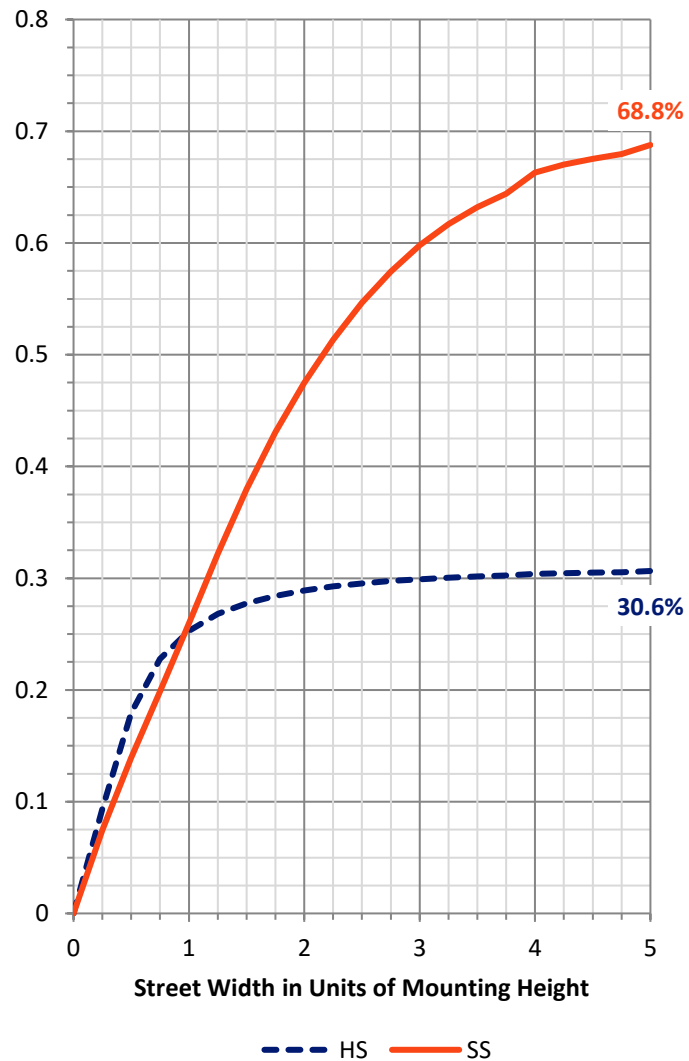
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4286.5	0.0	4286.5
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	9548.5	0.0	9548.5
	% Fixture	69.0	0.0	69.0
Total	Lumens	13835.0	0.0	13835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.9	1.1
10°-20°	530.2	3.8
20°-30°	968.1	7.0
30°-40°	1373.0	9.9
40°-50°	1854.0	13.4
50°-60°	2494.2	18.0
60°-70°	3165.7	22.9
70°-80°	2873.0	20.8
80°-90°	418.8	3.0
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°	13835.0	100.0
0°-180°	13835.0	100.0

Coefficient of Utilization



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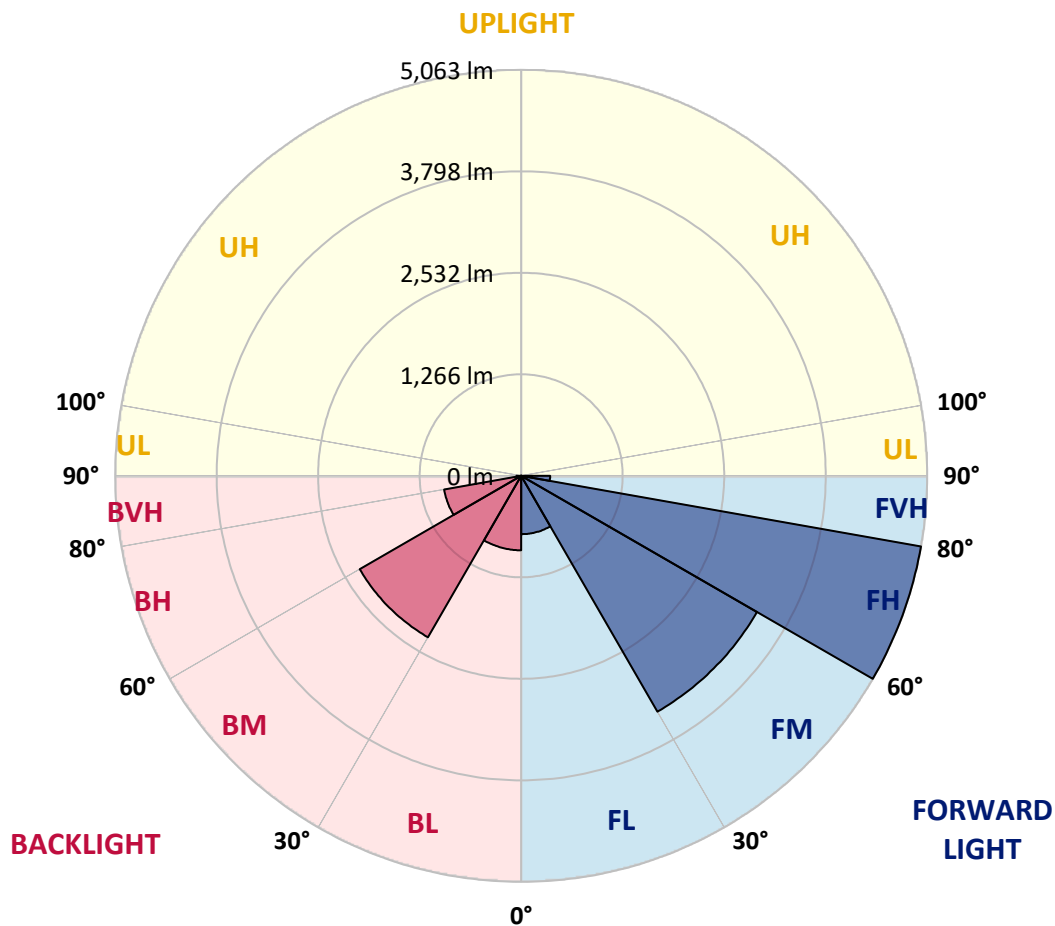
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	727.7	5.3			
FM	(30°-60°)	3396.2	24.5			
FH	(60°-80°)	5063.4	36.6			G3/7500
FVH	(80°-90°)	361.1	2.6			G3/500
BL	(0°-30°)	928.5	6.7	B2/1000		
BM	(30°-60°)	2325.1	16.8	B2/2500		
BH	(60°-80°)	975.3	7.0	B2/1000		G2/1000
BVH	(80°-90°)	57.7	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1
2.5°	1557.8	1566.6	1564.4	1561.5	1561.5	1562.2	1561.5	1566.6	1571.8	1576.9	1585.0
5°	1574.0	1582.8	1578.4	1574.7	1571.8	1571.0	1568.8	1568.1	1571.0	1577.6	1588.7
7.5°	1605.5	1614.3	1607.7	1601.1	1595.3	1592.3	1589.4	1585.0	1582.8	1586.5	1601.9
10°	1640.8	1649.6	1641.5	1629.7	1620.2	1616.5	1613.6	1609.2	1606.3	1608.5	1625.3
12.5°	1676.0	1684.8	1673.8	1657.6	1645.2	1643.0	1639.3	1637.8	1637.1	1636.4	1653.2
15°	1709.0	1716.3	1702.4	1683.3	1670.1	1666.4	1662.8	1665.0	1668.6	1673.0	1692.1
17.5°	1734.7	1742.0	1721.5	1696.5	1684.0	1682.6	1680.4	1687.7	1698.0	1709.0	1732.5
20°	1758.2	1765.5	1739.1	1705.3	1690.7	1690.7	1691.4	1706.8	1721.5	1737.6	1769.9
22.5°	1791.2	1797.1	1764.8	1718.5	1697.3	1698.7	1704.6	1720.0	1738.3	1760.4	1805.1
25°	1840.3	1844.7	1805.1	1743.5	1719.3	1723.7	1728.8	1736.1	1753.8	1779.4	1839.6
27.5°	1919.6	1923.3	1871.2	1787.5	1750.8	1758.2	1765.5	1760.4	1768.4	1790.4	1867.5
30°	2031.1	2033.3	1967.3	1856.5	1804.4	1808.1	1809.5	1788.2	1772.8	1790.4	1887.3
32.5°	2163.2	2162.5	2084.0	1940.1	1865.3	1861.6	1849.2	1807.3	1771.4	1786.8	1904.9
35°	2367.9	2359.9	2258.6	2057.5	1934.3	1911.5	1882.2	1828.6	1778.7	1783.1	1920.3
37.5°	2707.0	2682.0	2541.8	2249.8	2037.0	1979.0	1935.7	1863.1	1794.8	1781.6	1938.7
40°	3089.3	3057.7	2903.6	2513.2	2191.1	2097.9	2028.2	1912.3	1821.3	1788.2	1965.8
42.5°	3542.7	3498.0	3332.1	2823.6	2386.3	2251.3	2146.3	1974.6	1860.2	1809.5	2002.5
45°	4099.7	4040.2	3805.4	3173.6	2632.1	2452.3	2312.2	2069.3	1919.6	1850.6	2057.5
47.5°	4662.5	4677.2	4343.3	3574.3	2927.1	2700.3	2519.8	2211.6	2006.2	1916.7	2146.3
50°	5260.5	5270.8	4878.2	4018.2	3261.7	2980.7	2753.2	2370.9	2126.5	2010.6	2279.2
52.5°	5727.2	5728.7	5364.0	4482.7	3610.2	3288.8	3004.9	2552.9	2265.9	2135.3	2456.0
55°	6019.3	6015.6	5704.5	4922.3	4010.9	3612.4	3283.7	2759.8	2436.2	2282.1	2678.3
57.5°	6231.3	6220.3	5939.3	5300.2	4438.0	3994.8	3599.2	2994.6	2637.2	2456.7	2971.1
60°	6312.1	6305.5	6098.5	5626.7	4887.0	4417.4	3963.2	3257.3	2865.4	2662.9	3347.5
62.5°	6342.9	6355.4	6254.8	5943.0	5367.7	4885.6	4363.1	3571.4	3122.3	2896.3	3744.5
65°	6451.5	6474.2	6453.7	6356.8	5910.7	5433.7	4893.6	3944.9	3402.6	3146.5	4159.1
67.5°	6666.5	6689.2	6698.0	6852.1	6574.0	6116.9	5555.5	4410.1	3730.6	3406.3	4471.0
70°	6661.3	6654.7	6810.3	7246.2	7404.7	7062.7	6447.8	4982.4	4121.7	3622.0	4510.6
72.5°	6063.3	6010.5	6378.1	7241.8	8095.9	8050.4	7537.5	5720.6	4459.2	3648.4	3914.0
75°	4548.8	4407.9	5057.3	6526.3	8211.1	8611.0	8230.2	6178.5	4379.3	3223.5	2723.8
77.5°	1945.3	1803.7	2569.0	4831.3	7348.9	8049.7	7594.7	5390.4	3495.8	2131.7	1337.7
80°	509.3	508.5	776.3	2190.4	4997.8	5944.4	5215.0	3481.1	1997.4	761.7	369.1
82.5°	210.6	205.5	285.4	851.9	2442.1	3335.8	2722.4	1552.7	721.3	206.2	122.5
85°	78.5	77.8	138.7	294.2	861.5	1375.9	995.8	397.0	179.8	100.5	55.0
87.5°	22.0	21.3	30.1	102.0	209.9	318.5	170.2	65.3	50.6	39.6	16.1
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°	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1	1582.1
2.5°	1587.2	1590.9	1597.5	1602.6	1609.2	1616.5	1626.8	1633.4	1640.0	1644.4	1641.5
5°	1593.8	1601.9	1618.7	1635.6	1655.4	1673.8	1695.1	1710.5	1722.9	1726.6	1728.1
7.5°	1608.5	1621.7	1650.3	1678.9	1710.5	1740.5	1771.4	1797.8	1819.1	1827.1	1827.9
10°	1634.1	1651.8	1692.1	1732.5	1774.3	1820.5	1860.2	1898.3	1928.4	1940.9	1941.6
12.5°	1666.4	1688.5	1741.3	1797.1	1855.0	1918.9	1970.2	2017.2	2054.6	2071.5	2071.5
15°	1708.3	1736.9	1804.4	1879.2	1964.4	2053.1	2118.5	2170.6	2212.4	2232.9	2231.5
17.5°	1753.8	1791.9	1877.0	1990.0	2111.8	2228.5	2304.8	2343.0	2386.3	2406.1	2405.4
20°	1797.8	1844.7	1966.6	2130.9	2293.1	2417.1	2478.7	2489.0	2491.9	2494.2	2500.0
22.5°	1843.3	1906.4	2078.8	2308.5	2482.4	2568.3	2577.1	2533.0	2471.4	2442.8	2450.9
25°	1893.2	1976.8	2225.6	2504.4	2645.3	2655.6	2588.1	2480.9	2364.3	2310.7	2318.8
27.5°	1941.6	2058.3	2401.7	2691.5	2762.7	2672.5	2527.2	2375.3	2234.4	2177.9	2184.5
30°	1990.0	2151.5	2596.1	2855.2	2816.3	2630.6	2431.0	2261.5	2119.9	2060.5	2067.1
32.5°	2039.2	2260.1	2820.0	2973.3	2806.7	2541.8	2311.4	2133.9	2009.1	1946.7	1954.8
35°	2095.0	2393.6	3032.0	3037.9	2742.9	2411.2	2153.7	1981.2	1872.6	1822.7	1833.7
37.5°	2167.6	2563.1	3219.1	3054.0	2631.4	2219.7	1957.8	1800.7	1711.2	1688.5	1704.6
40°	2257.9	2767.1	3362.2	3028.4	2466.3	1987.1	1743.5	1618.0	1567.4	1572.5	1590.1
42.5°	2375.3	2995.3	3462.8	2962.3	2236.6	1747.2	1555.6	1499.9	1524.1	1544.6	1563.7
45°	2527.9	3232.3	3525.1	2850.0	1976.8	1543.9	1444.8	1458.0	1476.4	1478.6	1493.3
47.5°	2723.1	3472.3	3566.2	2680.5	1711.9	1400.8	1374.4	1377.3	1373.7	1358.2	1370.0
50°	2966.7	3705.6	3602.9	2456.0	1486.7	1311.3	1276.1	1265.8	1215.2	1165.3	1171.9
52.5°	3244.1	3919.9	3618.3	2177.2	1311.3	1236.4	1179.2	1114.6	1020.0	1004.6	1009.7
55°	3552.3	4118.0	3578.7	1834.5	1163.8	1140.3	1053.7	975.9	965.7	952.5	954.7
57.5°	3920.6	4331.6	3498.0	1452.2	1012.6	1028.0	943.7	952.5	934.1	913.6	909.9
60°	4323.5	4552.4	3356.4	1103.6	856.3	887.9	915.0	914.3	909.2	892.3	886.4
62.5°	4686.0	4697.7	3077.5	845.3	719.1	779.3	853.4	852.7	848.3	838.7	835.1
65°	4901.7	4675.7	2612.3	665.5	606.1	689.8	769.7	775.6	776.3	775.6	775.6
67.5°	4863.6	4418.1	1973.9	529.8	512.9	598.8	686.8	694.9	700.8	702.2	703.7
70°	4432.1	3852.4	1287.1	422.7	430.0	518.8	608.3	616.4	621.5	627.4	630.3
72.5°	3454.7	2832.4	736.7	341.9	357.4	449.8	530.5	540.1	543.0	554.0	558.4
75°	2105.2	1665.7	397.7	269.3	293.5	384.5	453.5	464.5	469.6	482.8	484.3
77.5°	1000.9	721.3	226.7	209.9	236.3	314.1	383.0	395.5	381.6	388.9	383.0
80°	338.3	267.8	143.1	160.0	180.5	245.1	306.7	319.2	289.8	288.4	285.4
82.5°	118.1	108.6	91.0	106.4	116.7	175.4	231.9	248.0	215.7	215.0	204.7
85°	46.2	44.0	50.6	58.0	69.7	107.9	152.6	160.7	132.8	107.1	105.7
87.5°	9.5	10.3	12.5	13.2	21.3	37.4	55.0	67.5	53.6	45.5	41.8
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)