

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: LUMARK

Report Number: P963416

Luminaire Tested: **NAV-SB3A-722-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P963416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NAV-SB3A-722-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

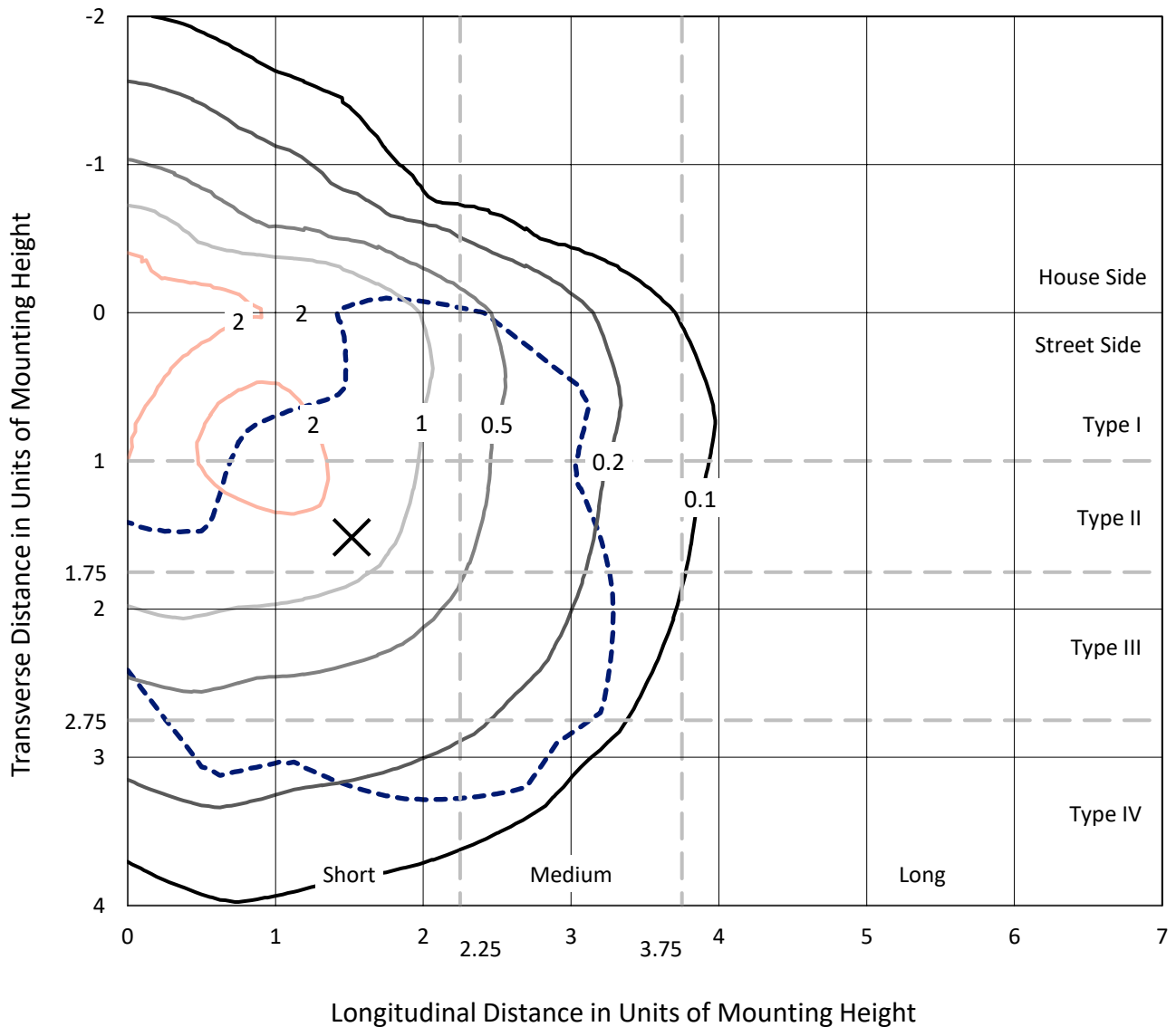
Lumens per Lamp: N/A  
Luminaire Lumens: 11354.9 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

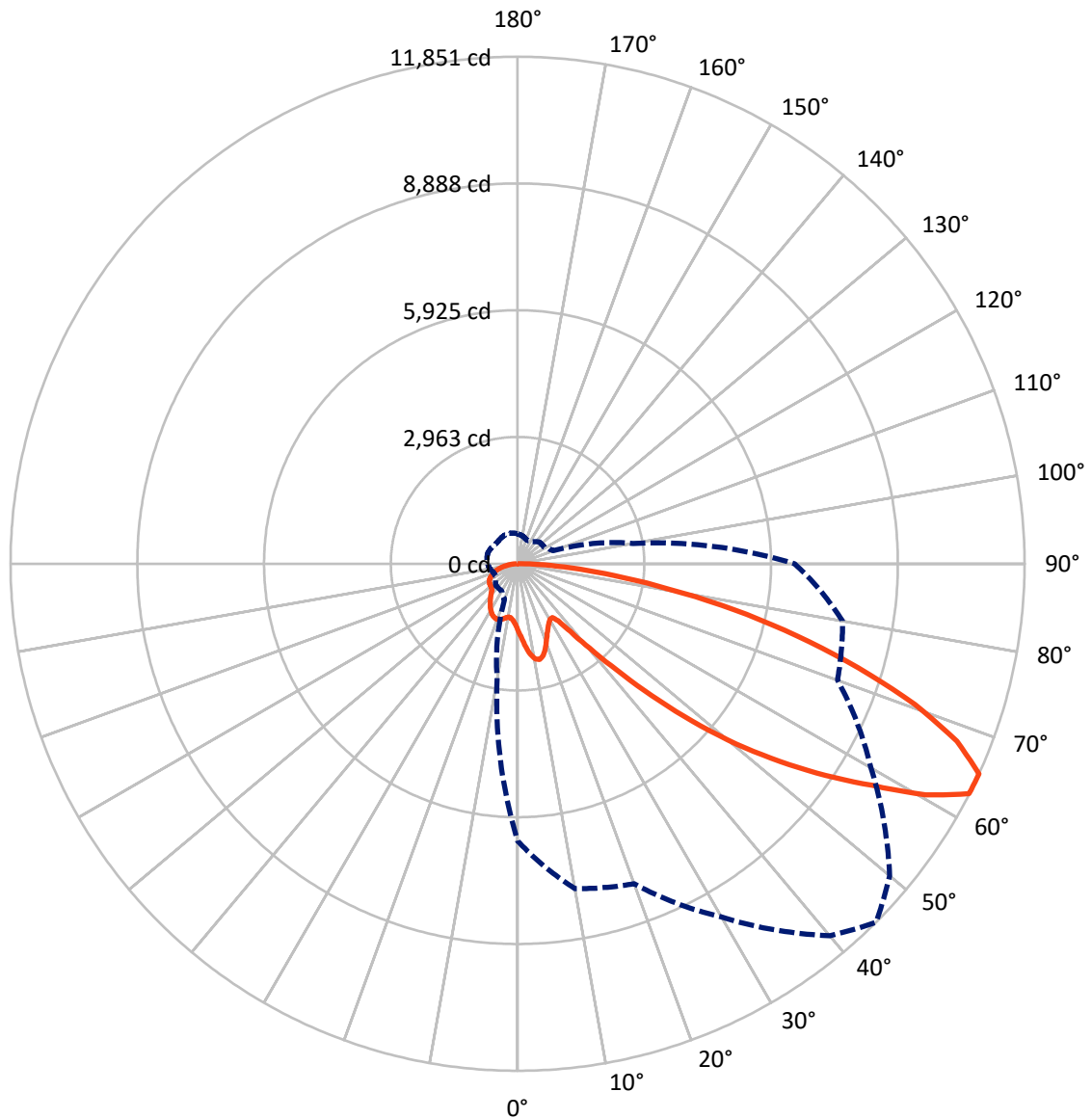
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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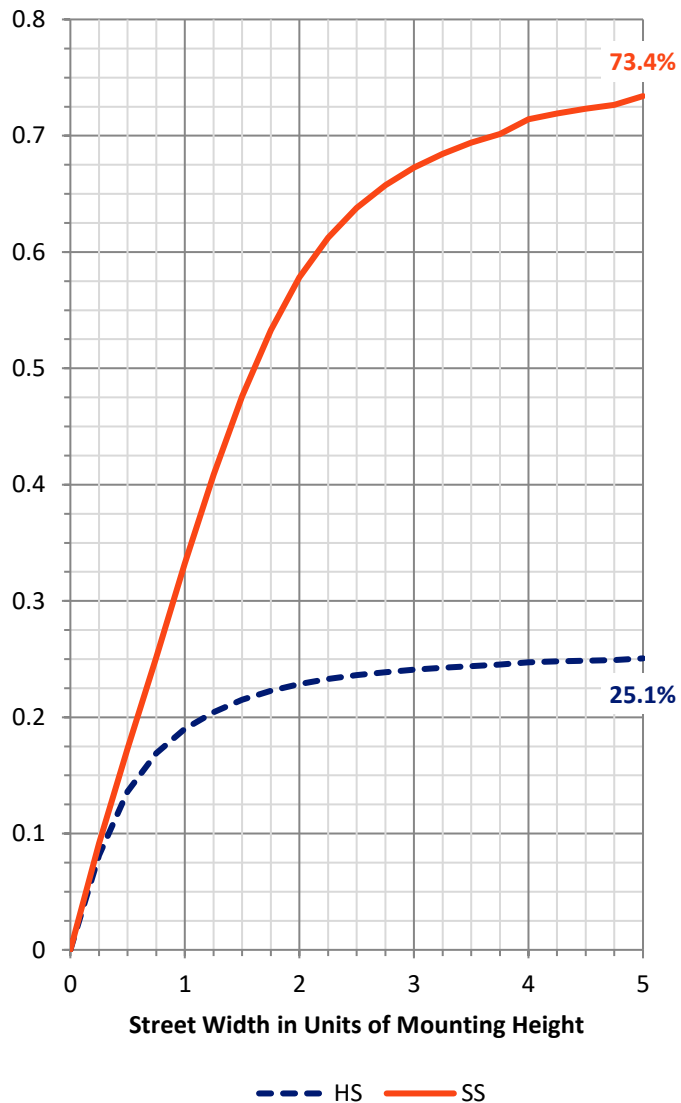
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2885.9	0.0	2885.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	8469.1	0.0	8469.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	11354.9	0.0	11354.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	154.9	1.4
10°-20°	486.2	4.3
20°-30°	751.1	6.6
30°-40°	951.8	8.4
40°-50°	1435.5	12.6
50°-60°	2319.3	20.4
60°-70°	2891.4	25.5
70°-80°	1896.0	16.7
80°-90°	468.7	4.1
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°	11354.9	100.0
0°-180°	11354.9	100.0

**Coefficient of Utilization**



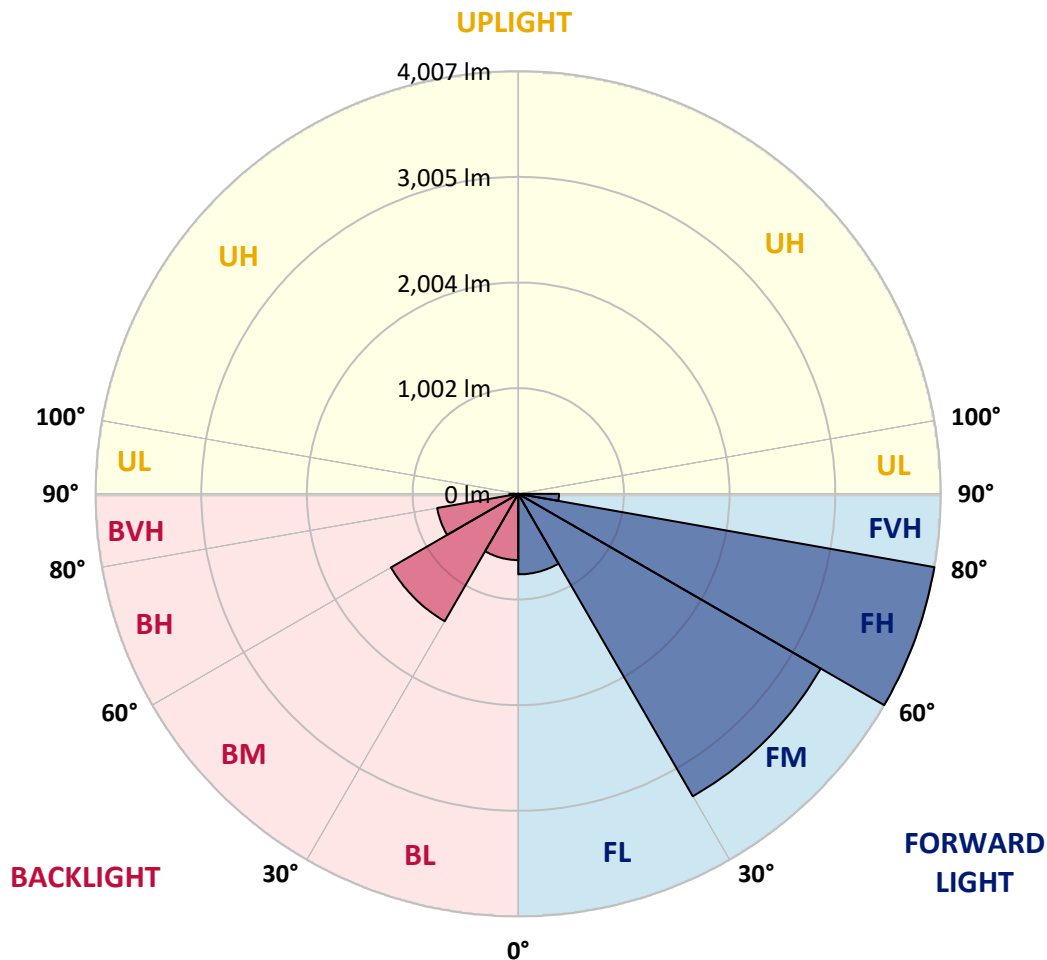
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	763.8	6.7			
FM (30°-60°)	3312.0	29.2			
FH (60°-80°)	4007.2	35.3			G2/5000
FVH (80°-90°)	386.1	3.4			G3/500
BL (0°-30°)	628.4	5.5	B2/1000		
BM (30°-60°)	1394.6	12.3	B2/2500		
BH (60°-80°)	780.2	6.9	B2/1000		G2/1000
BVH (80°-90°)	82.6	0.7			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 Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1679.2	1685.5	1691.9	1701.0	1710.0	1715.3	1720.8	1723.4	1726.2	1725.0	1726.2
5°	1805.5	1827.8	1850.1	1872.2	1894.2	1906.2	1918.2	1925.5	1932.7	1938.3	1932.7
7.5°	1932.5	1968.8	2004.9	2037.4	2070.0	2089.6	2109.1	2119.8	2130.3	2135.4	2130.3
10°	2029.9	2072.8	2115.5	2153.6	2191.9	2214.9	2238.0	2248.2	2258.5	2262.4	2258.5
12.5°	2089.6	2135.9	2182.2	2216.8	2251.1	2267.9	2284.7	2290.4	2296.0	2296.6	2296.0
15°	2125.8	2165.8	2205.8	2227.4	2249.2	2249.7	2250.3	2244.3	2238.3	2231.2	2238.3
17.5°	2146.1	2173.2	2200.3	2200.7	2201.0	2176.7	2152.5	2130.3	2107.9	2092.2	2107.9
20°	2168.7	2178.0	2187.6	2159.1	2130.6	2077.1	2023.5	1984.5	1945.4	1921.5	1945.4
22.5°	2194.7	2182.3	2170.0	2111.1	2052.2	1973.3	1894.5	1845.7	1797.0	1770.5	1797.0
25°	2228.2	2189.3	2150.3	2060.9	1971.4	1875.6	1780.0	1728.7	1677.5	1652.5	1677.5
27.5°	2273.8	2204.2	2134.5	2016.0	1897.4	1791.4	1685.3	1634.9	1584.4	1560.8	1584.4
30°	2335.3	2231.4	2127.6	1981.6	1835.7	1725.2	1614.7	1567.9	1521.1	1499.1	1521.1
32.5°	2407.7	2265.6	2123.4	1958.3	1793.1	1689.3	1585.5	1548.8	1512.0	1496.1	1512.0
35°	2495.8	2321.8	2147.9	1975.8	1803.8	1731.6	1659.6	1651.0	1642.5	1641.1	1642.5
37.5°	2644.1	2439.4	2234.7	2078.4	1922.0	1917.3	1912.6	1951.8	1991.0	2011.4	1991.0
40°	2868.2	2645.6	2423.0	2306.7	2190.4	2272.5	2354.5	2449.9	2545.1	2592.5	2545.1
42.5°	3165.3	2944.5	2723.6	2656.7	2589.7	2768.7	2947.7	3121.0	3294.2	3396.0	3294.2
45°	3532.4	3333.9	3135.5	3106.0	3076.3	3363.2	3650.0	3934.8	4219.5	4392.4	4219.5
47.5°	3991.2	3798.3	3605.2	3599.3	3593.2	4007.0	4420.7	4837.5	5254.4	5499.0	5254.4
50°	4592.8	4354.4	4116.1	4117.1	4118.1	4651.3	5184.7	5734.9	6285.0	6617.7	6285.0
52.5°	5283.4	4994.7	4706.1	4676.9	4647.7	5284.6	5921.6	6602.3	7283.0	7681.8	7283.0
55°	6018.5	5733.3	5448.2	5334.3	5220.5	5929.5	6638.3	7449.9	8261.5	8735.7	8261.5
57.5°	6687.2	6531.9	6376.5	6148.4	5920.2	6636.0	7351.8	8271.0	9190.2	9778.3	9190.2
60°	7091.4	7332.5	7573.8	7290.4	7007.0	7684.4	8361.8	9346.1	10330.2	10965.8	10330.2
62.5°	6886.2	7545.2	8204.4	8172.4	8140.4	8761.0	9381.6	10318.0	11254.3	11841.7	11254.3
65°	6475.4	7094.0	7712.6	7835.1	7957.4	8746.0	9534.7	10442.7	11350.5	11850.7	11350.5
67.5°	5925.1	6513.5	7101.8	7159.2	7216.5	8038.3	8859.9	9771.7	10683.6	11075.4	10683.6
70°	5263.9	5903.9	6543.9	6569.5	6595.3	7330.0	8064.8	8849.4	9634.2	9851.9	9634.2
72.5°	4476.0	5210.4	5944.8	5963.2	5981.7	6556.6	7131.4	7719.2	8306.8	8328.8	8306.8
75°	3479.3	4239.4	4999.4	5067.7	5136.0	5583.3	6030.5	6444.3	6858.0	6747.1	6858.0
77.5°	2485.9	3195.4	3905.0	4002.6	4100.3	4440.4	4780.4	5073.8	5367.2	5176.8	5367.2
80°	1627.0	2223.9	2820.8	2942.3	3063.6	3320.4	3577.0	3731.2	3885.3	3578.8	3885.3
82.5°	945.8	1353.8	1762.0	1897.6	2033.2	2210.0	2386.7	2451.1	2515.2	2274.4	2515.2
85°	416.2	632.7	849.3	964.6	1079.9	1225.2	1370.4	1406.9	1443.4	1250.4	1443.4
87.5°	128.8	201.6	274.4	338.8	403.1	475.7	548.4	551.4	554.5	465.6	554.5
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1723.4	1720.8	1715.3	1710.0	1701.0	1691.9	1685.5	1679.2	1666.2	1653.3	1639.7
5°	1925.5	1918.2	1906.2	1894.2	1872.2	1850.1	1827.8	1805.5	1777.1	1748.6	1720.3
7.5°	2119.8	2109.1	2089.6	2070.0	2037.4	2004.9	1968.8	1932.5	1885.6	1838.6	1795.3
10°	2248.2	2238.0	2214.9	2191.9	2153.6	2115.5	2072.8	2029.9	1970.6	1911.2	1853.8
12.5°	2290.4	2284.7	2267.9	2251.1	2216.8	2182.2	2135.9	2089.6	2024.3	1959.1	1894.2
15°	2244.3	2250.3	2249.7	2249.2	2227.4	2205.8	2165.8	2125.8	2057.8	1989.8	1919.3
17.5°	2130.3	2152.5	2176.7	2201.0	2200.7	2200.3	2173.2	2146.1	2077.3	2008.3	1931.4
20°	1984.5	2023.5	2077.1	2130.6	2159.1	2187.6	2178.0	2168.7	2096.9	2025.3	1940.8
22.5°	1845.7	1894.5	1973.3	2052.2	2111.1	2170.0	2182.3	2194.7	2121.5	2048.3	1953.4
25°	1728.7	1780.0	1875.6	1971.4	2060.9	2150.3	2189.3	2228.2	2156.5	2084.7	1976.5
27.5°	1634.9	1685.3	1791.4	1897.4	2016.0	2134.5	2204.2	2273.8	2205.4	2136.9	2012.5
30°	1567.9	1614.7	1725.2	1835.7	1981.6	2127.6	2231.4	2335.3	2269.0	2202.9	2059.0
32.5°	1548.8	1585.5	1689.3	1793.1	1958.3	2123.4	2265.6	2407.7	2342.2	2276.8	2107.6
35°	1651.0	1659.6	1731.6	1803.8	1975.8	2147.9	2321.8	2495.8	2433.1	2370.4	2163.0
37.5°	1951.8	1912.6	1917.3	1922.0	2078.4	2234.7	2439.4	2644.1	2564.1	2484.2	2225.0
40°	2449.9	2354.5	2272.5	2190.4	2306.7	2423.0	2645.6	2868.2	2751.7	2635.2	2303.7
42.5°	3121.0	2947.7	2768.7	2589.7	2656.7	2723.6	2944.5	3165.3	2997.2	2829.1	2406.7
45°	3934.8	3650.0	3363.2	3076.3	3106.0	3135.5	3333.9	3532.4	3305.5	3078.8	2542.2
47.5°	4837.5	4420.7	4007.0	3593.2	3599.3	3605.2	3798.3	3991.2	3672.2	3352.9	2686.6
50°	5734.9	5184.7	4651.3	4118.1	4117.1	4116.1	4354.4	4592.8	4111.7	3630.4	2820.6
52.5°	6602.3	5921.6	5284.6	4647.7	4676.9	4706.1	4994.7	5283.4	4573.3	3863.3	2907.6
55°	7449.9	6638.3	5929.5	5220.5	5334.3	5448.2	5733.3	6018.5	4982.7	3947.0	2888.4
57.5°	8271.0	7351.8	6636.0	5920.2	6148.4	6376.5	6531.9	6687.2	5272.8	3858.4	2753.5
60°	9346.1	8361.8	7684.4	7007.0	7290.4	7573.8	7332.5	7091.4	5345.3	3599.3	2502.3
62.5°	10318.0	9381.6	8761.0	8140.4	8172.4	8204.4	7545.2	6886.2	5040.0	3194.0	2162.9
65°	10442.7	9534.7	8746.0	7957.4	7835.1	7712.6	7094.0	6475.4	4608.1	2740.8	1816.4
67.5°	9771.7	8859.9	8038.3	7216.5	7159.2	7101.8	6513.5	5925.1	4094.1	2263.1	1477.0
70°	8849.4	8064.8	7330.0	6595.3	6569.5	6543.9	5903.9	5263.9	3533.3	1802.6	1163.0
72.5°	7719.2	7131.4	6556.6	5981.7	5963.2	5944.8	5210.4	4476.0	2925.2	1374.4	889.1
75°	6444.3	6030.5	5583.3	5136.0	5067.7	4999.4	4239.4	3479.3	2228.2	977.1	645.3
77.5°	5073.8	4780.4	4440.4	4100.3	4002.6	3905.0	3195.4	2485.9	1559.5	633.1	437.3
80°	3731.2	3577.0	3320.4	3063.6	2942.3	2820.8	2223.9	1627.0	1004.8	382.5	281.8
82.5°	2451.1	2386.7	2210.0	2033.2	1897.6	1762.0	1353.8	945.8	581.6	217.4	173.2
85°	1406.9	1370.4	1225.2	1079.9	964.6	849.3	632.7	416.2	261.6	107.1	92.7
87.5°	551.4	548.4	475.7	403.1	338.8	274.4	201.6	128.8	85.7	42.5	38.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1626.0	1612.2	1598.4	1585.3	1572.0	1559.3	1545.1	1533.6	1522.1	1511.8	1501.5
5°	1691.9	1663.4	1634.8	1608.1	1581.5	1556.4	1531.5	1509.7	1488.0	1469.7	1451.6
7.5°	1751.9	1709.7	1667.5	1630.3	1593.1	1558.7	1526.5	1497.6	1468.8	1444.8	1420.9
10°	1796.6	1745.3	1693.9	1649.9	1605.9	1563.5	1528.9	1498.4	1468.0	1444.1	1420.1
12.5°	1829.2	1768.7	1708.2	1658.4	1608.6	1564.1	1532.0	1507.0	1482.1	1466.3	1450.5
15°	1848.9	1779.2	1709.5	1651.9	1594.3	1544.9	1519.2	1507.3	1495.4	1497.5	1499.7
17.5°	1854.5	1773.7	1692.8	1623.4	1554.1	1496.1	1480.2	1484.6	1488.9	1515.1	1541.2
20°	1856.3	1758.3	1660.3	1574.3	1488.4	1420.9	1416.8	1437.0	1457.4	1502.9	1548.3
22.5°	1858.7	1739.4	1620.2	1516.8	1413.3	1336.4	1344.6	1374.7	1404.9	1456.6	1508.6
25°	1868.2	1720.9	1573.7	1452.5	1331.4	1252.6	1274.7	1309.4	1344.2	1390.7	1437.4
27.5°	1887.9	1708.5	1529.1	1393.7	1258.4	1186.6	1213.6	1247.1	1280.7	1319.0	1357.2
30°	1915.0	1702.7	1490.2	1344.6	1198.9	1138.7	1159.9	1186.4	1213.2	1245.0	1276.6
32.5°	1938.4	1695.5	1452.5	1302.2	1151.9	1103.3	1112.7	1128.5	1144.3	1169.6	1195.0
35°	1955.5	1681.9	1408.5	1260.5	1112.6	1072.1	1068.3	1072.6	1077.0	1096.3	1115.6
37.5°	1965.7	1658.8	1351.8	1211.6	1071.3	1036.0	1021.7	1016.9	1012.1	1026.0	1039.9
40°	1972.1	1626.9	1281.6	1153.1	1024.6	992.5	970.7	959.8	948.9	959.0	968.9
42.5°	1984.3	1593.9	1203.6	1088.6	973.5	943.9	916.5	902.0	887.6	895.8	904.0
45°	2005.7	1563.2	1120.9	1020.0	919.1	889.2	862.5	848.5	834.6	841.3	848.3
47.5°	2020.4	1538.0	1055.5	965.8	876.0	837.3	814.4	802.7	790.9	797.3	803.8
50°	2010.7	1510.4	1010.0	929.8	849.5	798.7	772.0	761.6	751.2	761.3	771.4
52.5°	1951.8	1463.9	976.0	906.0	836.1	777.7	740.5	730.1	719.9	735.0	750.1
55°	1829.8	1386.7	943.5	888.9	834.1	779.8	723.6	707.4	691.2	712.7	734.1
57.5°	1648.6	1277.9	907.1	868.5	829.8	781.9	713.6	689.8	666.1	689.3	712.4
60°	1405.5	1136.6	867.7	837.3	807.0	775.3	704.2	673.4	642.6	662.9	683.2
62.5°	1131.7	967.5	803.4	783.2	763.0	759.1	693.1	654.7	616.2	629.1	642.0
65°	892.1	815.4	738.7	729.2	719.8	720.2	669.8	629.0	588.0	593.1	598.0
67.5°	691.0	669.2	647.4	652.7	657.9	656.7	628.4	594.4	560.4	558.7	557.2
70°	523.4	529.6	535.8	560.5	585.1	585.1	575.7	551.6	527.4	522.0	516.6
72.5°	403.7	422.5	441.3	476.3	511.2	517.1	517.2	500.6	484.0	476.1	468.2
75°	313.4	330.5	347.5	386.7	425.9	452.9	450.7	437.9	425.1	417.6	409.9
77.5°	241.4	252.9	264.6	302.6	340.6	385.3	384.1	373.8	363.6	355.9	348.2
80°	180.9	185.7	190.5	222.7	254.9	308.2	308.1	299.5	290.9	284.4	278.0
82.5°	129.3	130.2	131.1	154.8	178.6	224.1	226.6	222.4	218.2	213.6	209.1
85°	78.2	77.8	77.3	94.7	112.0	145.9	149.2	144.7	140.2	135.1	130.0
87.5°	34.2	33.8	33.4	40.5	47.7	61.7	65.9	64.1	62.3	61.4	60.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963416  
 CATALOG NUMBER: NAV-SB3A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1492.4	1483.4	1474.3	1465.2	1458.3	1451.2	1445.5	1439.8	1435.3	1430.9	1426.8
5°	1435.6	1419.5	1405.0	1390.3	1379.1	1367.9	1360.1	1352.2	1346.6	1341.0	1336.8
7.5°	1400.7	1380.5	1362.6	1344.8	1331.5	1318.1	1308.8	1299.5	1293.0	1286.7	1282.9
10°	1398.4	1376.6	1356.5	1336.4	1320.5	1304.5	1294.1	1283.5	1277.5	1271.4	1268.1
12.5°	1433.3	1416.2	1395.5	1374.7	1354.4	1334.0	1320.5	1307.1	1300.3	1293.6	1290.8
15°	1495.3	1490.9	1472.8	1454.8	1425.8	1396.8	1376.3	1355.8	1346.3	1337.0	1333.4
17.5°	1555.0	1568.9	1554.3	1539.9	1501.4	1463.0	1432.8	1402.6	1388.8	1374.7	1370.2
20°	1577.3	1606.4	1599.6	1592.8	1549.0	1505.1	1468.0	1431.1	1413.3	1395.4	1389.7
22.5°	1546.3	1584.1	1588.2	1592.2	1550.3	1508.4	1470.3	1432.1	1413.4	1394.5	1388.3
25°	1474.6	1511.8	1525.7	1539.6	1505.1	1470.8	1436.9	1403.1	1386.8	1370.5	1364.7
27.5°	1387.0	1416.9	1432.3	1447.8	1423.3	1398.9	1372.6	1346.3	1335.4	1324.4	1321.7
30°	1301.4	1326.2	1338.9	1351.4	1332.8	1314.0	1295.3	1276.3	1270.8	1265.2	1265.2
32.5°	1218.7	1242.5	1256.4	1270.5	1253.4	1236.1	1221.2	1206.1	1202.4	1198.8	1199.2
35°	1139.1	1162.7	1179.5	1196.2	1184.0	1171.9	1157.9	1144.1	1138.5	1133.0	1131.8
37.5°	1063.2	1086.7	1107.5	1128.2	1122.6	1116.9	1104.2	1091.3	1081.3	1071.1	1065.8
40°	991.6	1014.2	1038.1	1062.0	1063.3	1064.7	1053.9	1043.0	1028.3	1013.6	1003.7
42.5°	925.5	947.0	972.7	998.5	1005.4	1012.3	1003.1	994.0	975.7	957.5	943.0
45°	868.7	889.0	915.7	942.5	952.3	962.3	954.0	945.8	924.9	904.0	887.0
47.5°	823.7	843.6	870.0	896.4	907.7	919.1	913.4	907.6	889.0	870.4	854.7
50°	790.3	809.0	832.6	856.2	870.8	885.4	885.1	884.9	870.0	855.2	840.6
52.5°	767.4	784.6	806.6	828.6	845.9	863.3	866.3	869.5	857.4	845.3	832.3
55°	752.7	771.2	790.5	809.7	828.1	846.4	850.9	855.2	844.6	834.0	822.7
57.5°	734.2	756.0	775.1	794.2	812.7	831.2	835.5	839.9	829.2	818.6	807.3
60°	708.2	733.3	752.6	772.0	790.6	809.1	814.0	818.8	808.3	798.0	786.4
62.5°	671.2	700.4	721.1	741.8	758.8	775.8	780.4	785.0	775.6	766.2	754.0
65°	629.2	660.6	680.3	700.1	715.1	730.1	734.8	739.4	730.4	721.4	709.5
67.5°	586.1	615.0	633.8	652.5	665.4	678.3	683.0	687.6	679.2	671.0	659.9
70°	542.0	567.4	583.5	599.7	611.4	623.1	627.6	632.0	625.2	618.5	607.9
72.5°	488.2	508.2	522.9	537.4	548.9	560.4	565.6	570.9	565.3	559.6	549.5
75°	424.8	439.6	452.9	466.2	476.5	487.0	492.5	498.0	495.3	492.5	484.1
77.5°	360.3	372.4	383.8	395.1	406.1	417.0	422.2	427.3	423.5	419.5	411.0
80°	288.0	298.1	307.7	317.2	325.5	333.8	340.7	347.5	345.8	344.2	332.8
82.5°	208.3	207.5	204.1	200.7	218.4	236.2	247.8	259.4	258.7	257.9	248.3
85°	125.7	121.4	112.0	102.7	119.3	136.0	150.4	164.7	163.6	162.4	154.8
87.5°	60.2	60.1	53.0	45.8	52.8	59.8	65.6	71.4	70.0	68.5	64.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963416  
 CATALOG NUMBER: NAV-SB3A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1422.7	1417.6	1422.7	1426.8	1430.9	1435.3	1439.8	1445.5	1451.2	1458.3	1465.2
5°	1332.5	1328.3	1332.5	1336.8	1341.0	1346.6	1352.2	1360.1	1367.9	1379.1	1390.3
7.5°	1279.1	1276.2	1279.1	1282.9	1286.7	1293.0	1299.5	1308.8	1318.1	1331.5	1344.8
10°	1265.0	1263.6	1265.0	1268.1	1271.4	1277.5	1283.5	1294.1	1304.5	1320.5	1336.4
12.5°	1288.1	1287.6	1288.1	1290.8	1293.6	1300.3	1307.1	1320.5	1334.0	1354.4	1374.7
15°	1329.8	1329.5	1329.8	1333.4	1337.0	1346.3	1355.8	1376.3	1396.8	1425.8	1454.8
17.5°	1365.6	1364.9	1365.6	1370.2	1374.7	1388.8	1402.6	1432.8	1463.0	1501.4	1539.9
20°	1384.1	1382.2	1384.1	1389.7	1395.4	1413.3	1431.1	1468.0	1505.1	1549.0	1592.8
22.5°	1381.9	1379.2	1381.9	1388.3	1394.5	1413.4	1432.1	1470.3	1508.4	1550.3	1592.2
25°	1358.7	1355.3	1358.7	1364.7	1370.5	1386.8	1403.1	1436.9	1470.8	1505.1	1539.6
27.5°	1319.1	1318.1	1319.1	1321.7	1324.4	1335.4	1346.3	1372.6	1398.9	1423.3	1447.8
30°	1265.2	1266.0	1265.2	1265.2	1265.2	1270.8	1276.3	1295.3	1314.0	1332.8	1351.4
32.5°	1199.8	1200.7	1199.8	1199.2	1198.8	1202.4	1206.1	1221.2	1236.1	1253.4	1270.5
35°	1130.6	1130.0	1130.6	1131.8	1133.0	1138.5	1144.1	1157.9	1171.9	1184.0	1196.2
37.5°	1060.5	1057.5	1060.5	1065.8	1071.1	1081.3	1091.3	1104.2	1116.9	1122.6	1128.2
40°	993.8	988.0	993.8	1003.7	1013.6	1028.3	1043.0	1053.9	1064.7	1063.3	1062.0
42.5°	928.5	919.1	928.5	943.0	957.5	975.7	994.0	1003.1	1012.3	1005.4	998.5
45°	870.1	859.2	870.1	887.0	904.0	924.9	945.8	954.0	962.3	952.3	942.5
47.5°	839.2	828.6	839.2	854.7	870.4	889.0	907.6	913.4	919.1	907.7	896.4
50°	826.2	816.0	826.2	840.6	855.2	870.0	884.9	885.1	885.4	870.8	856.2
52.5°	819.4	810.1	819.4	832.3	845.3	857.4	869.5	866.3	863.3	845.9	828.6
55°	811.3	802.9	811.3	822.7	834.0	844.6	855.2	850.9	846.4	828.1	809.7
57.5°	796.0	787.3	796.0	807.3	818.6	829.2	839.9	835.5	831.2	812.7	794.2
60°	774.7	765.7	774.7	786.4	798.0	808.3	818.8	814.0	809.1	790.6	772.0
62.5°	741.8	730.9	741.8	754.0	766.2	775.6	785.0	780.4	775.8	758.8	741.8
65°	697.7	688.4	697.7	709.5	721.4	730.4	739.4	734.8	730.1	715.1	700.1
67.5°	648.9	640.5	648.9	659.9	671.0	679.2	687.6	683.0	678.3	665.4	652.5
70°	597.4	587.7	597.4	607.9	618.5	625.2	632.0	627.6	623.1	611.4	599.7
72.5°	539.6	530.2	539.6	549.5	559.6	565.3	570.9	565.6	560.4	548.9	537.4
75°	475.6	466.8	475.6	484.1	492.5	495.3	498.0	492.5	487.0	476.5	466.2
77.5°	402.5	395.4	402.5	411.0	419.5	423.5	427.3	422.2	417.0	406.1	395.1
80°	321.2	308.0	321.2	332.8	344.2	345.8	347.5	340.7	333.8	325.5	317.2
82.5°	238.6	230.1	238.6	248.3	257.9	258.7	259.4	247.8	236.2	218.4	200.7
85°	147.3	139.6	147.3	154.8	162.4	163.6	164.7	150.4	136.0	119.3	102.7
87.5°	60.7	56.9	60.7	64.6	68.5	70.0	71.4	65.6	59.8	52.8	45.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963416  
 CATALOG NUMBER: NAV-SB3A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1474.3	1483.4	1492.4	1501.5	1511.8	1522.1	1533.6	1545.1	1559.3	1572.0	1585.3
5°	1405.0	1419.5	1435.6	1451.6	1469.7	1488.0	1509.7	1531.5	1556.4	1581.5	1608.1
7.5°	1362.6	1380.5	1400.7	1420.9	1444.8	1468.8	1497.6	1526.5	1558.7	1593.1	1630.3
10°	1356.5	1376.6	1398.4	1420.1	1444.1	1468.0	1498.4	1528.9	1563.5	1605.9	1649.9
12.5°	1395.5	1416.2	1433.3	1450.5	1466.3	1482.1	1507.0	1532.0	1564.1	1608.6	1658.4
15°	1472.8	1490.9	1495.3	1499.7	1497.5	1495.4	1507.3	1519.2	1544.9	1594.3	1651.9
17.5°	1554.3	1568.9	1555.0	1541.2	1515.1	1488.9	1484.6	1480.2	1496.1	1554.1	1623.4
20°	1599.6	1606.4	1577.3	1548.3	1502.9	1457.4	1437.0	1416.8	1420.9	1488.4	1574.3
22.5°	1588.2	1584.1	1546.3	1508.6	1456.6	1404.9	1374.7	1344.6	1336.4	1413.3	1516.8
25°	1525.7	1511.8	1474.6	1437.4	1390.7	1344.2	1309.4	1274.7	1252.6	1331.4	1452.5
27.5°	1432.3	1416.9	1387.0	1357.2	1319.0	1280.7	1247.1	1213.6	1186.6	1258.4	1393.7
30°	1338.9	1326.2	1301.4	1276.6	1245.0	1213.2	1186.4	1159.9	1138.7	1198.9	1344.6
32.5°	1256.4	1242.5	1218.7	1195.0	1169.6	1144.3	1128.5	1112.7	1103.3	1151.9	1302.2
35°	1179.5	1162.7	1139.1	1115.6	1096.3	1077.0	1072.6	1068.3	1072.1	1112.6	1260.5
37.5°	1107.5	1086.7	1063.2	1039.9	1026.0	1012.1	1016.9	1021.7	1036.0	1071.3	1211.6
40°	1038.1	1014.2	991.6	968.9	959.0	948.9	959.8	970.7	992.5	1024.6	1153.1
42.5°	972.7	947.0	925.5	904.0	895.8	887.6	902.0	916.5	943.9	973.5	1088.6
45°	915.7	889.0	868.7	848.3	841.3	834.6	848.5	862.5	889.2	919.1	1020.0
47.5°	870.0	843.6	823.7	803.8	797.3	790.9	802.7	814.4	837.3	876.0	965.8
50°	832.6	809.0	790.3	771.4	761.3	751.2	761.6	772.0	798.7	849.5	929.8
52.5°	806.6	784.6	767.4	750.1	735.0	719.9	730.1	740.5	777.7	836.1	906.0
55°	790.5	771.2	752.7	734.1	712.7	691.2	707.4	723.6	779.8	834.1	888.9
57.5°	775.1	756.0	734.2	712.4	689.3	666.1	689.8	713.6	781.9	829.8	868.5
60°	752.6	733.3	708.2	683.2	662.9	642.6	673.4	704.2	775.3	807.0	837.3
62.5°	721.1	700.4	671.2	642.0	629.1	616.2	654.7	693.1	759.1	763.0	783.2
65°	680.3	660.6	629.2	598.0	593.1	588.0	629.0	669.8	720.2	719.8	729.2
67.5°	633.8	615.0	586.1	557.2	558.7	560.4	594.4	628.4	656.7	657.9	652.7
70°	583.5	567.4	542.0	516.6	522.0	527.4	551.6	575.7	585.1	585.1	560.5
72.5°	522.9	508.2	488.2	468.2	476.1	484.0	500.6	517.2	517.1	511.2	476.3
75°	452.9	439.6	424.8	409.9	417.6	425.1	437.9	450.7	452.9	425.9	386.7
77.5°	383.8	372.4	360.3	348.2	355.9	363.6	373.8	384.1	385.3	340.6	302.6
80°	307.7	298.1	288.0	278.0	284.4	290.9	299.5	308.1	308.2	254.9	222.7
82.5°	204.1	207.5	208.3	209.1	213.6	218.2	222.4	226.6	224.1	178.6	154.8
85°	112.0	121.4	125.7	130.0	135.1	140.2	144.7	149.2	145.9	112.0	94.7
87.5°	53.0	60.1	60.2	60.4	61.4	62.3	64.1	65.9	61.7	47.7	40.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963416  
 CATALOG NUMBER: NAV-SB3A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4	1561.4
2.5°	1598.4	1612.2	1626.0	1639.7	1653.3	1666.2	1679.2
5°	1634.8	1663.4	1691.9	1720.3	1748.6	1777.1	1805.5
7.5°	1667.5	1709.7	1751.9	1795.3	1838.6	1885.6	1932.5
10°	1693.9	1745.3	1796.6	1853.8	1911.2	1970.6	2029.9
12.5°	1708.2	1768.7	1829.2	1894.2	1959.1	2024.3	2089.6
15°	1709.5	1779.2	1848.9	1919.3	1989.8	2057.8	2125.8
17.5°	1692.8	1773.7	1854.5	1931.4	2008.3	2077.3	2146.1
20°	1660.3	1758.3	1856.3	1940.8	2025.3	2096.9	2168.7
22.5°	1620.2	1739.4	1858.7	1953.4	2048.3	2121.5	2194.7
25°	1573.7	1720.9	1868.2	1976.5	2084.7	2156.5	2228.2
27.5°	1529.1	1708.5	1887.9	2012.5	2136.9	2205.4	2273.8
30°	1490.2	1702.7	1915.0	2059.0	2202.9	2269.0	2335.3
32.5°	1452.5	1695.5	1938.4	2107.6	2276.8	2342.2	2407.7
35°	1408.5	1681.9	1955.5	2163.0	2370.4	2433.1	2495.8
37.5°	1351.8	1658.8	1965.7	2225.0	2484.2	2564.1	2644.1
40°	1281.6	1626.9	1972.1	2303.7	2635.2	2751.7	2868.2
42.5°	1203.6	1593.9	1984.3	2406.7	2829.1	2997.2	3165.3
45°	1120.9	1563.2	2005.7	2542.2	3078.8	3305.5	3532.4
47.5°	1055.5	1538.0	2020.4	2686.6	3352.9	3672.2	3991.2
50°	1010.0	1510.4	2010.7	2820.6	3630.4	4111.7	4592.8
52.5°	976.0	1463.9	1951.8	2907.6	3863.3	4573.3	5283.4
55°	943.5	1386.7	1829.8	2888.4	3947.0	4982.7	6018.5
57.5°	907.1	1277.9	1648.6	2753.5	3858.4	5272.8	6687.2
60°	867.7	1136.6	1405.5	2502.3	3599.3	5345.3	7091.4
62.5°	803.4	967.5	1131.7	2162.9	3194.0	5040.0	6886.2
65°	738.7	815.4	892.1	1816.4	2740.8	4608.1	6475.4
67.5°	647.4	669.2	691.0	1477.0	2263.1	4094.1	5925.1
70°	535.8	529.6	523.4	1163.0	1802.6	3533.3	5263.9
72.5°	441.3	422.5	403.7	889.1	1374.4	2925.2	4476.0
75°	347.5	330.5	313.4	645.3	977.1	2228.2	3479.3
77.5°	264.6	252.9	241.4	437.3	633.1	1559.5	2485.9
80°	190.5	185.7	180.9	281.8	382.5	1004.8	1627.0
82.5°	131.1	130.2	129.3	173.2	217.4	581.6	945.8
85°	77.3	77.8	78.2	92.7	107.1	261.6	416.2
87.5°	33.4	33.8	34.2	38.4	42.5	85.7	128.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)