

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: P962457

Luminaire Tested: **NAV-SB2C-735-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962457
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-SB2C-735-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15296.1 lumens
Efficiency: N/A
Efficacy: 151.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 100.9
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

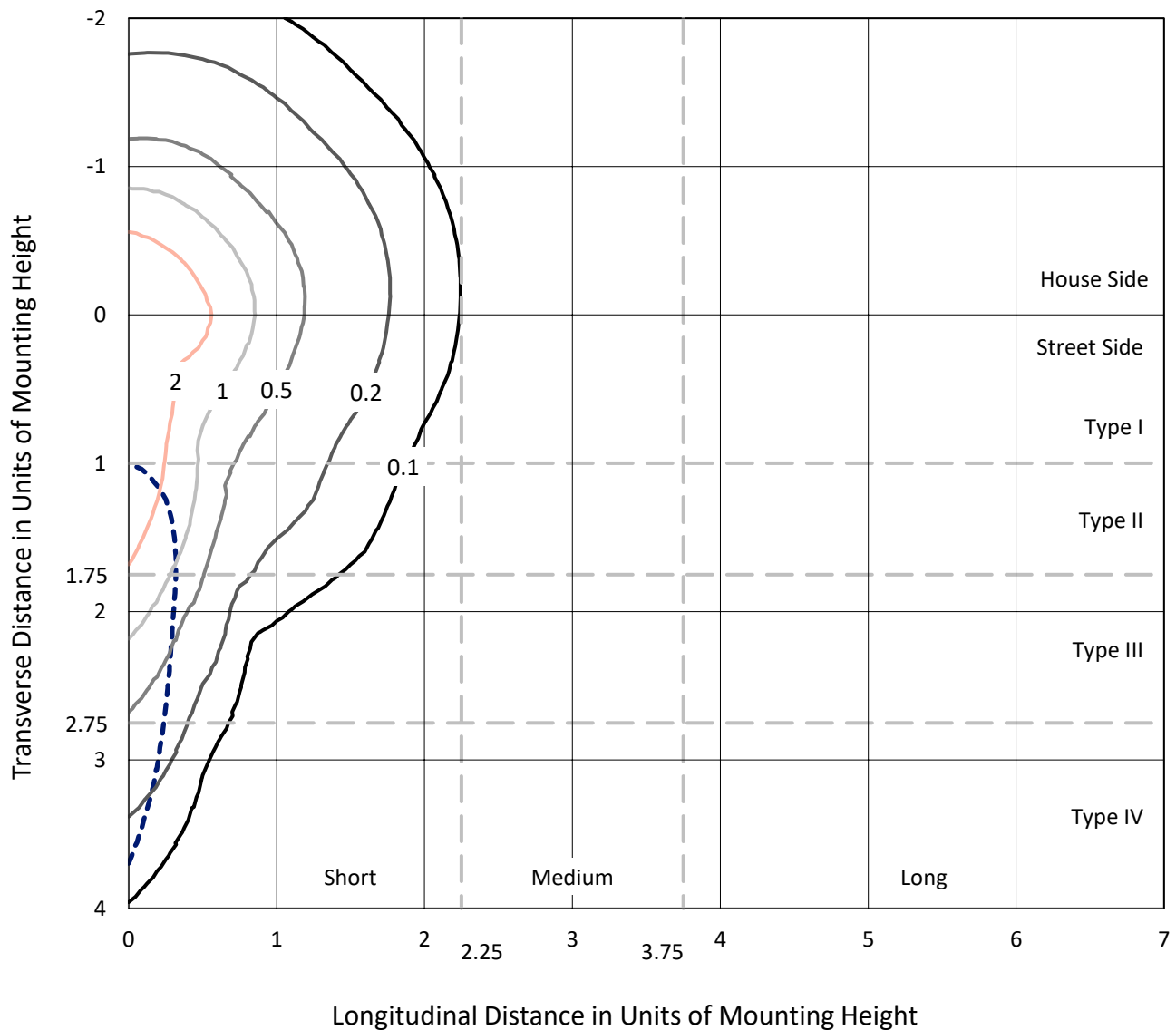


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

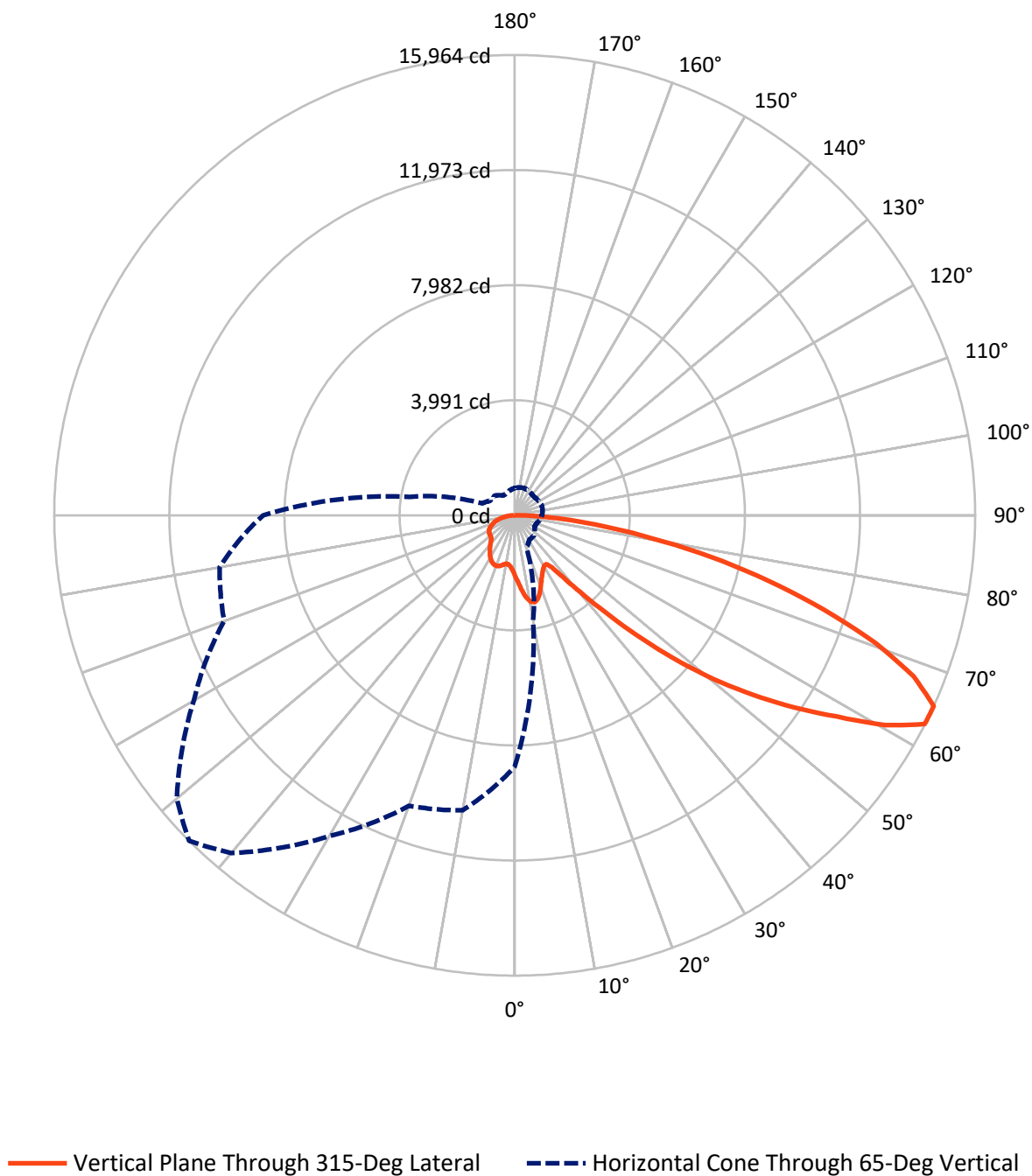


Based on 25 foot mounting height. Maximum calculated value = 4.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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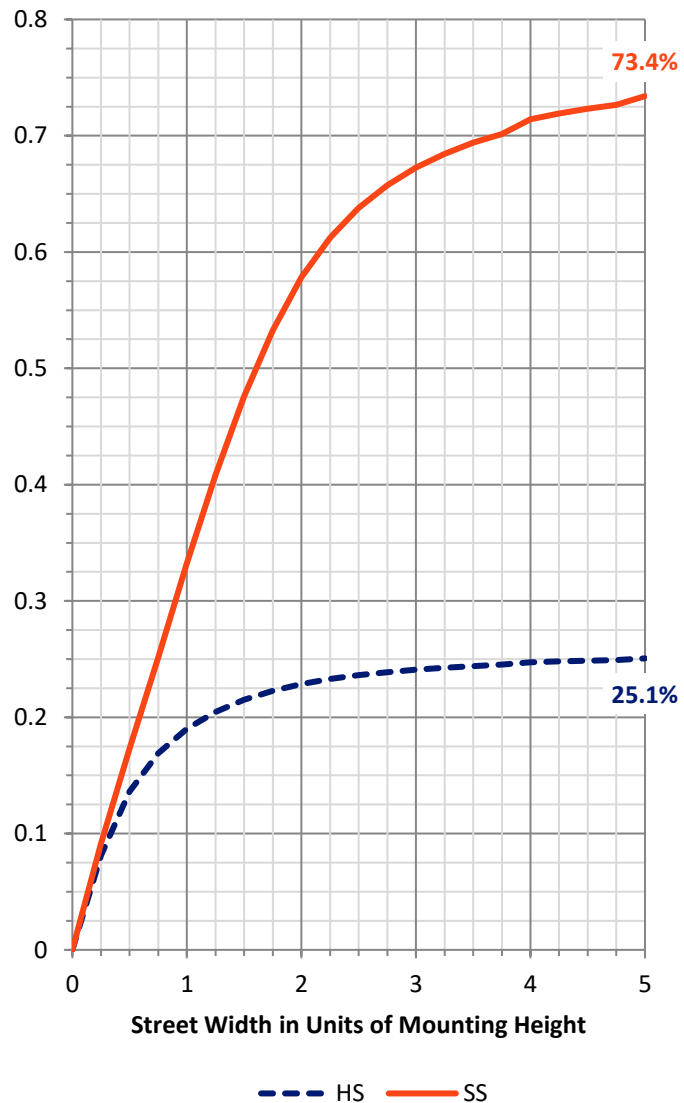
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3887.5	0.0	3887.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11408.6	0.0	11408.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	15296.1	0.0	15296.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	1.4
10°-20°	655.0	4.3
20°-30°	1011.7	6.6
30°-40°	1282.1	8.4
40°-50°	1933.8	12.6
50°-60°	3124.3	20.4
60°-70°	3894.9	25.5
70°-80°	2554.1	16.7
80°-90°	631.4	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°	15296.1	100.0
0°-180°	15296.1	100.0

Coefficient of Utilization



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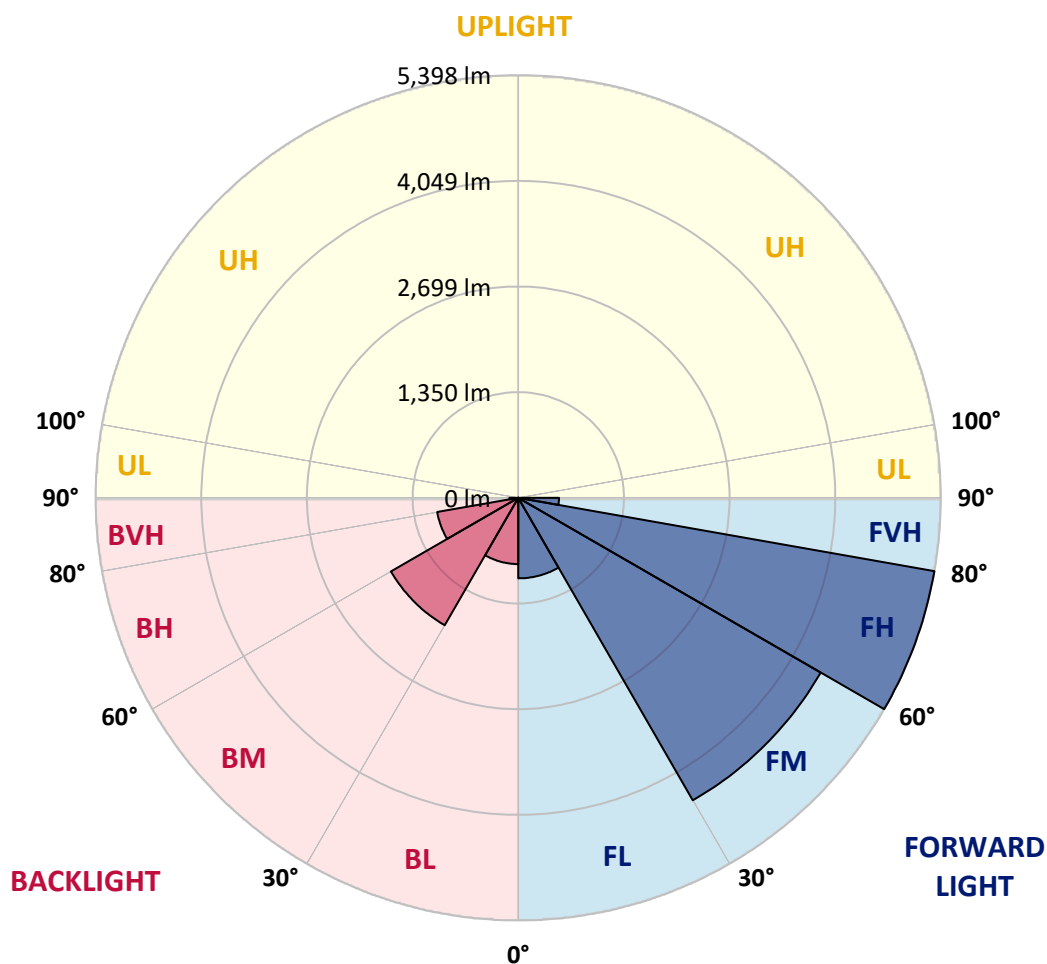
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1028.8	6.7			
FM	(30°-60°)	4461.5	29.2			
FH	(60°-80°)	5398.0	35.3			G3/7500
FVH	(80°-90°)	520.2	3.4			G4/750
BL	(0°-30°)	846.5	5.5	B2/1000		
BM	(30°-60°)	1878.7	12.3	B2/2500		
BH	(60°-80°)	1051.0	6.9	B3/2500		G3/2500
BVH	(80°-90°)	111.3	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	2262.0	2244.5	2227.2	2208.8	2190.3	2171.8	2153.2	2135.5	2117.8	2100.5	2081.4
5°	2432.2	2393.9	2355.6	2317.3	2279.1	2240.6	2202.2	2166.3	2130.4	2096.4	2063.0
7.5°	2603.4	2540.1	2476.9	2418.5	2360.0	2303.1	2246.2	2196.1	2145.9	2099.7	2056.4
10°	2734.5	2654.5	2574.5	2497.3	2420.1	2351.0	2281.9	2222.6	2163.3	2106.2	2059.6
12.5°	2814.9	2726.9	2639.1	2551.6	2464.1	2382.6	2301.1	2234.0	2167.0	2107.0	2063.6
15°	2863.6	2772.0	2680.5	2585.6	2490.5	2396.8	2302.9	2225.2	2147.6	2081.2	2046.4
17.5°	2891.1	2798.1	2705.3	2601.8	2498.2	2389.2	2280.2	2186.8	2093.5	2015.4	1993.9
20°	2921.4	2824.8	2728.2	2614.4	2500.6	2368.6	2236.5	2120.7	2005.0	1914.1	1908.4
22.5°	2956.5	2857.8	2759.1	2631.5	2503.9	2343.3	2182.6	2043.2	1903.8	1800.3	1811.3
25°	3001.6	2905.0	2808.4	2662.5	2516.6	2318.2	2119.9	1956.6	1793.4	1687.3	1717.2
27.5°	3063.0	2970.9	2878.6	2710.9	2543.2	2301.5	2059.7	1877.4	1695.1	1598.5	1634.8
30°	3145.7	3056.7	2967.6	2773.6	2579.7	2293.6	2007.5	1811.3	1615.0	1533.9	1562.4
32.5°	3243.4	3155.2	3067.0	2839.1	2611.2	2284.0	1956.6	1754.2	1551.6	1486.4	1499.0
35°	3362.0	3277.6	3193.1	2913.7	2634.2	2265.8	1897.4	1698.1	1498.9	1444.3	1439.1
37.5°	3561.8	3454.1	3346.4	2997.2	2648.0	2234.5	1821.0	1632.1	1443.1	1395.5	1376.3
40°	3863.6	3706.7	3549.9	3103.3	2656.6	2191.4	1726.4	1553.3	1380.2	1337.0	1307.5
42.5°	4264.0	4037.5	3811.1	3242.0	2673.0	2147.1	1621.3	1466.4	1311.4	1271.6	1234.5
45°	4758.4	4452.8	4147.4	3424.6	2701.8	2105.9	1509.9	1374.0	1238.1	1197.7	1161.8
47.5°	5376.6	4946.6	4516.7	3619.1	2721.6	2071.8	1422.0	1301.0	1180.0	1127.9	1097.1
50°	6186.9	5538.8	4890.5	3799.6	2708.7	2034.6	1360.6	1252.4	1144.3	1075.8	1040.0
52.5°	7117.2	6160.7	5204.2	3916.7	2629.2	1971.9	1314.8	1220.6	1126.4	1047.7	997.4
55°	8107.4	6712.1	5316.9	3890.9	2464.9	1868.0	1271.0	1197.4	1123.7	1050.4	974.9
57.5°	9008.2	7102.9	5197.7	3709.2	2220.8	1721.4	1222.0	1169.9	1117.9	1053.3	961.2
60°	9552.6	7200.6	4848.5	3370.9	1893.4	1531.1	1168.9	1127.9	1087.0	1044.4	948.5
62.5°	9276.1	6789.4	4302.5	2913.6	1524.5	1303.3	1082.2	1054.9	1027.9	1022.6	933.7
65°	8722.9	6207.5	3692.2	2446.9	1201.6	1098.4	995.2	982.4	969.5	970.2	902.3
67.5°	7981.6	5515.1	3048.7	1989.7	930.8	901.5	872.1	879.2	886.4	884.6	846.5
70°	7091.0	4759.6	2428.2	1566.6	705.0	713.4	721.7	755.0	788.1	788.1	775.6
72.5°	6029.6	3940.5	1851.6	1197.7	543.9	569.1	594.4	641.5	688.6	696.6	696.7
75°	4686.9	3001.6	1316.2	869.3	422.3	445.2	468.1	520.9	573.7	610.2	607.1
77.5°	3348.7	2100.8	853.0	589.1	325.1	340.7	356.4	407.6	458.9	519.0	517.3
80°	2191.8	1353.5	515.4	379.5	243.7	250.2	256.7	300.1	343.5	415.2	415.0
82.5°	1274.1	783.4	292.8	233.4	174.1	175.3	176.6	208.6	240.6	301.9	305.2
85°	560.6	352.4	144.3	124.7	105.4	104.8	104.1	127.5	150.9	196.5	201.0
87.5°	173.5	115.4	57.3	51.8	46.1	45.6	45.0	54.5	64.2	83.1	88.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	2065.9	2050.5	2036.5	2022.6	2010.4	1998.2	1985.9	1973.8	1964.3	1954.9	1947.2
5°	2033.8	2004.5	1979.9	1955.5	1933.9	1912.2	1892.6	1872.9	1857.8	1842.6	1832.1
7.5°	2017.5	1978.7	1946.4	1914.1	1886.9	1859.6	1835.6	1811.6	1793.5	1775.6	1763.1
10°	2018.6	1977.6	1945.3	1913.1	1883.7	1854.3	1827.3	1800.3	1778.8	1757.3	1743.2
12.5°	2030.0	1996.6	1975.2	1953.9	1930.8	1907.8	1879.8	1852.0	1824.5	1797.0	1778.9
15°	2030.4	2014.4	2017.3	2020.2	2014.2	2008.3	1984.0	1959.7	1920.6	1881.6	1853.9
17.5°	1999.9	2005.7	2040.9	2076.0	2094.8	2113.4	2093.8	2074.3	2022.5	1970.8	1930.2
20°	1935.8	1963.3	2024.4	2085.6	2124.7	2163.9	2154.9	2145.7	2086.6	2027.4	1977.6
22.5°	1852.0	1892.6	1962.3	2032.2	2083.1	2134.0	2139.5	2144.9	2088.4	2032.0	1980.6
25°	1763.9	1810.8	1873.5	1936.2	1986.3	2036.5	2055.2	2073.9	2027.6	1981.3	1935.6
27.5°	1680.0	1725.2	1776.7	1828.3	1868.5	1908.7	1929.5	1950.4	1917.4	1884.5	1849.0
30°	1598.3	1634.3	1677.0	1719.8	1753.2	1786.6	1803.5	1820.4	1795.4	1770.2	1744.9
32.5°	1520.2	1541.4	1575.5	1609.8	1641.7	1673.8	1692.6	1711.4	1688.4	1665.2	1645.0
35°	1444.9	1450.8	1476.8	1502.9	1534.5	1566.2	1588.9	1611.4	1594.9	1578.6	1559.8
37.5°	1369.8	1363.4	1382.1	1400.8	1432.3	1463.9	1491.9	1519.8	1512.2	1504.6	1487.5
40°	1292.9	1278.3	1291.8	1305.2	1335.8	1366.3	1398.4	1430.6	1432.4	1434.3	1419.6
42.5°	1215.1	1195.8	1206.7	1217.8	1246.7	1275.6	1310.4	1345.1	1354.3	1363.7	1351.3
45°	1143.0	1124.1	1133.3	1142.7	1170.1	1197.6	1233.6	1269.6	1282.9	1296.2	1285.0
47.5°	1081.2	1065.4	1074.1	1082.7	1109.7	1136.4	1171.9	1207.4	1222.8	1238.1	1230.4
50°	1025.9	1012.0	1025.5	1039.1	1064.5	1089.8	1121.6	1153.3	1173.0	1192.8	1192.3
52.5°	983.6	969.8	990.1	1010.5	1033.7	1056.9	1086.5	1116.2	1139.6	1162.9	1167.1
55°	952.8	931.0	960.0	988.9	1013.9	1038.9	1064.9	1090.8	1115.5	1140.3	1146.1
57.5°	929.3	897.4	928.5	959.7	989.0	1018.4	1044.1	1069.8	1094.8	1119.6	1125.6
60°	907.1	865.6	893.0	920.2	954.0	987.8	1013.8	1040.0	1065.0	1090.0	1096.4
62.5°	881.8	830.1	847.5	864.8	904.2	943.5	971.4	999.2	1022.1	1045.1	1051.2
65°	847.3	792.2	798.9	805.5	847.7	889.8	916.5	943.1	963.3	983.5	989.8
67.5°	800.6	754.8	752.8	750.6	789.6	828.5	853.7	878.9	896.4	913.8	920.0
70°	743.0	710.4	703.2	695.9	730.1	764.3	786.2	807.9	823.7	839.4	845.4
72.5°	674.3	652.0	641.3	630.8	657.7	684.6	704.3	724.0	739.4	754.8	761.9
75°	589.9	572.7	562.5	552.3	572.3	592.2	610.1	627.9	642.0	656.0	663.5
77.5°	503.6	489.7	479.4	469.1	485.4	501.6	516.9	532.3	547.0	561.8	568.7
80°	403.4	391.9	383.2	374.5	388.1	401.5	414.4	427.3	438.6	449.8	458.9
82.5°	299.6	294.0	287.8	281.7	280.5	279.4	274.9	270.4	294.3	318.2	333.8
85°	195.0	188.9	182.0	175.2	169.3	163.5	150.9	138.4	160.8	183.2	202.5
87.5°	86.4	83.9	82.6	81.4	81.1	80.9	71.3	61.7	71.1	80.6	88.4
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°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	1939.5	1933.6	1927.5	1922.1	1916.5	1909.7	1916.5	1922.1	1927.5	1933.6	1939.5
5°	1821.5	1813.9	1806.5	1800.7	1795.0	1789.3	1795.0	1800.7	1806.5	1813.9	1821.5
7.5°	1750.5	1741.9	1733.3	1728.2	1723.0	1719.1	1723.0	1728.2	1733.3	1741.9	1750.5
10°	1729.0	1720.9	1712.7	1708.4	1704.0	1702.2	1704.0	1708.4	1712.7	1720.9	1729.0
12.5°	1760.7	1751.6	1742.6	1738.8	1735.1	1734.5	1735.1	1738.8	1742.6	1751.6	1760.7
15°	1826.3	1813.6	1801.0	1796.2	1791.4	1791.0	1791.4	1796.2	1801.0	1813.6	1826.3
17.5°	1889.5	1870.7	1852.0	1845.8	1839.6	1838.6	1839.6	1845.8	1852.0	1870.7	1889.5
20°	1927.8	1903.8	1879.7	1872.1	1864.5	1862.0	1864.5	1872.1	1879.7	1903.8	1927.8
22.5°	1929.2	1903.9	1878.5	1870.1	1861.6	1858.0	1861.6	1870.1	1878.5	1903.9	1929.2
25°	1890.1	1868.2	1846.2	1838.2	1830.3	1825.7	1830.3	1838.2	1846.2	1868.2	1890.1
27.5°	1813.6	1798.9	1784.1	1780.5	1776.8	1775.6	1776.8	1780.5	1784.1	1798.9	1813.6
30°	1719.3	1711.9	1704.3	1704.3	1704.3	1705.4	1704.3	1704.3	1704.3	1711.9	1719.3
32.5°	1624.7	1619.8	1614.9	1615.5	1616.2	1617.4	1616.2	1615.5	1614.9	1619.8	1624.7
35°	1541.2	1533.7	1526.2	1524.7	1523.0	1522.2	1523.0	1524.7	1526.2	1533.7	1541.2
37.5°	1470.2	1456.5	1443.0	1435.8	1428.6	1424.5	1428.6	1435.8	1443.0	1456.5	1470.2
40°	1405.1	1385.2	1365.5	1352.1	1338.9	1331.0	1338.9	1352.1	1365.5	1385.2	1405.1
42.5°	1339.0	1314.4	1289.8	1270.3	1250.9	1238.1	1250.9	1270.3	1289.8	1314.4	1339.0
45°	1274.1	1245.9	1217.8	1194.9	1172.1	1157.4	1172.1	1194.9	1217.8	1245.9	1274.1
47.5°	1222.6	1197.6	1172.6	1151.4	1130.4	1116.2	1130.4	1151.4	1172.6	1197.6	1222.6
50°	1192.0	1171.9	1151.9	1132.4	1112.8	1099.3	1112.8	1132.4	1151.9	1171.9	1192.0
52.5°	1171.3	1155.0	1138.7	1121.1	1103.7	1091.2	1103.7	1121.1	1138.7	1155.0	1171.3
55°	1151.9	1137.8	1123.5	1108.1	1092.9	1081.6	1092.9	1108.1	1123.5	1137.8	1151.9
57.5°	1131.4	1117.0	1102.7	1087.5	1072.3	1060.6	1072.3	1087.5	1102.7	1117.0	1131.4
60°	1102.9	1088.9	1074.9	1059.2	1043.6	1031.5	1043.6	1059.2	1074.9	1088.9	1102.9
62.5°	1057.5	1044.8	1032.2	1015.7	999.2	984.7	999.2	1015.7	1032.2	1044.8	1057.5
65°	996.1	984.0	971.8	955.8	939.9	927.4	939.9	955.8	971.8	984.0	996.1
67.5°	926.2	914.9	903.8	889.0	874.1	862.8	874.1	889.0	903.8	914.9	926.2
70°	851.4	842.2	833.1	818.9	804.7	791.8	804.7	818.9	833.1	842.2	851.4
72.5°	769.1	761.5	753.9	740.3	726.8	714.3	726.8	740.3	753.9	761.5	769.1
75°	670.9	667.2	663.5	652.1	640.7	628.7	640.7	652.1	663.5	667.2	670.9
77.5°	575.6	570.5	565.2	553.7	542.2	532.7	542.2	553.7	565.2	570.5	575.6
80°	468.1	465.9	463.7	448.2	432.8	414.8	432.8	448.2	463.7	465.9	468.1
82.5°	349.5	348.5	347.5	334.5	321.4	310.0	321.4	334.5	347.5	348.5	349.5
85°	221.9	220.4	218.7	208.6	198.4	188.1	198.4	208.6	218.7	220.4	221.9
87.5°	96.2	94.3	92.1	87.0	81.7	76.7	81.7	87.0	92.1	94.3	96.2
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: P962457

CATALOG NUMBER: NAV-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	1947.2	1954.9	1964.3	1973.8	1985.9	1998.2	2010.4	2022.6	2036.5	2050.5	2065.9
5°	1832.1	1842.6	1857.8	1872.9	1892.6	1912.2	1933.9	1955.5	1979.9	2004.5	2033.8
7.5°	1763.1	1775.6	1793.5	1811.6	1835.6	1859.6	1886.9	1914.1	1946.4	1978.7	2017.5
10°	1743.2	1757.3	1778.8	1800.3	1827.3	1854.3	1883.7	1913.1	1945.3	1977.6	2018.6
12.5°	1778.9	1797.0	1824.5	1852.0	1879.8	1907.8	1930.8	1953.9	1975.2	1996.6	2030.0
15°	1853.9	1881.6	1920.6	1959.7	1984.0	2008.3	2014.2	2020.2	2017.3	2014.4	2030.4
17.5°	1930.2	1970.8	2022.5	2074.3	2093.8	2113.4	2094.8	2076.0	2040.9	2005.7	1999.9
20°	1977.6	2027.4	2086.6	2145.7	2154.9	2163.9	2124.7	2085.6	2024.4	1963.3	1935.8
22.5°	1980.6	2032.0	2088.4	2144.9	2139.5	2134.0	2083.1	2032.2	1962.3	1892.6	1852.0
25°	1935.6	1981.3	2027.6	2073.9	2055.2	2036.5	1986.3	1936.2	1873.5	1810.8	1763.9
27.5°	1849.0	1884.5	1917.4	1950.4	1929.5	1908.7	1868.5	1828.3	1776.7	1725.2	1680.0
30°	1744.9	1770.2	1795.4	1820.4	1803.5	1786.6	1753.2	1719.8	1677.0	1634.3	1598.3
32.5°	1645.0	1665.2	1688.4	1711.4	1692.6	1673.8	1641.7	1609.8	1575.5	1541.4	1520.2
35°	1559.8	1578.6	1594.9	1611.4	1588.9	1566.2	1534.5	1502.9	1476.8	1450.8	1444.9
37.5°	1487.5	1504.6	1512.2	1519.8	1491.9	1463.9	1432.3	1400.8	1382.1	1363.4	1369.8
40°	1419.6	1434.3	1432.4	1430.6	1398.4	1366.3	1335.8	1305.2	1291.8	1278.3	1292.9
42.5°	1351.3	1363.7	1354.3	1345.1	1310.4	1275.6	1246.7	1217.8	1206.7	1195.8	1215.1
45°	1285.0	1296.2	1282.9	1269.6	1233.6	1197.6	1170.1	1142.7	1133.3	1124.1	1143.0
47.5°	1230.4	1238.1	1222.8	1207.4	1171.9	1136.4	1109.7	1082.7	1074.1	1065.4	1081.2
50°	1192.3	1192.8	1173.0	1153.3	1121.6	1089.8	1064.5	1039.1	1025.5	1012.0	1025.9
52.5°	1167.1	1162.9	1139.6	1116.2	1086.5	1056.9	1033.7	1010.5	990.1	969.8	983.6
55°	1146.1	1140.3	1115.5	1090.8	1064.9	1038.9	1013.9	988.9	960.0	931.0	952.8
57.5°	1125.6	1119.6	1094.8	1069.8	1044.1	1018.4	989.0	959.7	928.5	897.4	929.3
60°	1096.4	1090.0	1065.0	1040.0	1013.8	987.8	954.0	920.2	893.0	865.6	907.1
62.5°	1051.2	1045.1	1022.1	999.2	971.4	943.5	904.2	864.8	847.5	830.1	881.8
65°	989.8	983.5	963.3	943.1	916.5	889.8	847.7	805.5	798.9	792.2	847.3
67.5°	920.0	913.8	896.4	878.9	853.7	828.5	789.6	750.6	752.8	754.8	800.6
70°	845.4	839.4	823.7	807.9	786.2	764.3	730.1	695.9	703.2	710.4	743.0
72.5°	761.9	754.8	739.4	724.0	704.3	684.6	657.7	630.8	641.3	652.0	674.3
75°	663.5	656.0	642.0	627.9	610.1	592.2	572.3	552.3	562.5	572.7	589.9
77.5°	568.7	561.8	547.0	532.3	516.9	501.6	485.4	469.1	479.4	489.7	503.6
80°	458.9	449.8	438.6	427.3	414.4	401.5	388.1	374.5	383.2	391.9	403.4
82.5°	333.8	318.2	294.3	270.4	274.9	279.4	280.5	281.7	287.8	294.0	299.6
85°	202.5	183.2	160.8	138.4	150.9	163.5	169.3	175.2	182.0	188.9	195.0
87.5°	88.4	80.6	71.1	61.7	71.3	80.9	81.1	81.4	82.6	83.9	86.4
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: P962457

CATALOG NUMBER: NAV-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	2081.4	2100.5	2117.8	2135.5	2153.2	2171.8	2190.3	2208.8	2227.2	2244.5	2262.0
5°	2063.0	2096.4	2130.4	2166.3	2202.2	2240.6	2279.1	2317.3	2355.6	2393.9	2432.2
7.5°	2056.4	2099.7	2145.9	2196.1	2246.2	2303.1	2360.0	2418.5	2476.9	2540.1	2603.4
10°	2059.6	2106.2	2163.3	2222.6	2281.9	2351.0	2420.1	2497.3	2574.5	2654.5	2734.5
12.5°	2063.6	2107.0	2167.0	2234.0	2301.1	2382.6	2464.1	2551.6	2639.1	2726.9	2814.9
15°	2046.4	2081.2	2147.6	2225.2	2302.9	2396.8	2490.5	2585.6	2680.5	2772.0	2863.6
17.5°	1993.9	2015.4	2093.5	2186.8	2280.2	2389.2	2498.2	2601.8	2705.3	2798.1	2891.1
20°	1908.4	1914.1	2005.0	2120.7	2236.5	2368.6	2500.6	2614.4	2728.2	2824.8	2921.4
22.5°	1811.3	1800.3	1903.8	2043.2	2182.6	2343.3	2503.9	2631.5	2759.1	2857.8	2956.5
25°	1717.2	1687.3	1793.4	1956.6	2119.9	2318.2	2516.6	2662.5	2808.4	2905.0	3001.6
27.5°	1634.8	1598.5	1695.1	1877.4	2059.7	2301.5	2543.2	2710.9	2878.6	2970.9	3063.0
30°	1562.4	1533.9	1615.0	1811.3	2007.5	2293.6	2579.7	2773.6	2967.6	3056.7	3145.7
32.5°	1499.0	1486.4	1551.6	1754.2	1956.6	2284.0	2611.2	2839.1	3067.0	3155.2	3243.4
35°	1439.1	1444.3	1498.9	1698.1	1897.4	2265.8	2634.2	2913.7	3193.1	3277.6	3362.0
37.5°	1376.3	1395.5	1443.1	1632.1	1821.0	2234.5	2648.0	2997.2	3346.4	3454.1	3561.8
40°	1307.5	1337.0	1380.2	1553.3	1726.4	2191.4	2656.6	3103.3	3549.9	3706.7	3863.6
42.5°	1234.5	1271.6	1311.4	1466.4	1621.3	2147.1	2673.0	3242.0	3811.1	4037.5	4264.0
45°	1161.8	1197.7	1238.1	1374.0	1509.9	2105.9	2701.8	3424.6	4147.4	4452.8	4758.4
47.5°	1097.1	1127.9	1180.0	1301.0	1422.0	2071.8	2721.6	3619.1	4516.7	4946.6	5376.6
50°	1040.0	1075.8	1144.3	1252.4	1360.6	2034.6	2708.7	3799.6	4890.5	5538.8	6186.9
52.5°	997.4	1047.7	1126.4	1220.6	1314.8	1971.9	2629.2	3916.7	5204.2	6160.7	7117.2
55°	974.9	1050.4	1123.7	1197.4	1271.0	1868.0	2464.9	3890.9	5316.9	6712.1	8107.4
57.5°	961.2	1053.3	1117.9	1169.9	1222.0	1721.4	2220.8	3709.2	5197.7	7102.9	9008.2
60°	948.5	1044.4	1087.0	1127.9	1168.9	1531.1	1893.4	3370.9	4848.5	7200.6	9552.6
62.5°	933.7	1022.6	1027.9	1054.9	1082.2	1303.3	1524.5	2913.6	4302.5	6789.4	9276.1
65°	902.3	970.2	969.5	982.4	995.2	1098.4	1201.6	2446.9	3692.2	6207.5	8722.9
67.5°	846.5	884.6	886.4	879.2	872.1	901.5	930.8	1989.7	3048.7	5515.1	7981.6
70°	775.6	788.1	788.1	755.0	721.7	713.4	705.0	1566.6	2428.2	4759.6	7091.0
72.5°	696.7	696.6	688.6	641.5	594.4	569.1	543.9	1197.7	1851.6	3940.5	6029.6
75°	607.1	610.2	573.7	520.9	468.1	445.2	422.3	869.3	1316.2	3001.6	4686.9
77.5°	517.3	519.0	458.9	407.6	356.4	340.7	325.1	589.1	853.0	2100.8	3348.7
80°	415.0	415.2	343.5	300.1	256.7	250.2	243.7	379.5	515.4	1353.5	2191.8
82.5°	305.2	301.9	240.6	208.6	176.6	175.3	174.1	233.4	292.8	783.4	1274.1
85°	201.0	196.5	150.9	127.5	104.1	104.8	105.4	124.7	144.3	352.4	560.6
87.5°	88.8	83.1	64.2	54.5	45.0	45.6	46.1	51.8	57.3	115.4	173.5
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: P962457

CATALOG NUMBER: NAV-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	2270.5	2279.1	2291.3	2303.5	2310.8	2318.0	2321.6	2325.3	2323.7	2325.3	2321.6
5°	2462.2	2492.2	2521.9	2551.7	2567.8	2584.0	2593.8	2603.6	2611.0	2603.6	2593.8
7.5°	2652.1	2700.8	2744.6	2788.4	2814.9	2841.2	2855.4	2869.7	2876.6	2869.7	2855.4
10°	2792.1	2849.8	2901.2	2952.6	2983.8	3014.7	3028.7	3042.4	3047.6	3042.4	3028.7
12.5°	2877.3	2939.7	2986.1	3032.5	3055.1	3077.7	3085.2	3092.8	3093.7	3092.8	3085.2
15°	2917.6	2971.4	3000.5	3029.8	3030.5	3031.3	3023.3	3015.2	3005.7	3015.2	3023.3
17.5°	2927.5	2963.9	2964.4	2964.9	2932.2	2899.5	2869.6	2839.6	2818.4	2839.6	2869.6
20°	2934.1	2946.8	2908.4	2870.1	2797.9	2725.8	2673.2	2620.7	2588.4	2620.7	2673.2
22.5°	2939.8	2923.2	2843.8	2764.3	2658.2	2552.1	2486.4	2420.7	2385.1	2420.7	2486.4
25°	2949.2	2896.8	2776.1	2655.6	2526.6	2397.8	2328.7	2259.7	2226.0	2259.7	2328.7
27.5°	2969.2	2875.3	2715.6	2555.9	2413.2	2270.3	2202.3	2134.5	2102.6	2134.5	2202.3
30°	3005.8	2866.1	2669.4	2472.8	2324.0	2175.2	2112.1	2049.1	2019.4	2049.1	2112.1
32.5°	3051.8	2860.4	2637.9	2415.5	2275.7	2135.8	2086.3	2036.8	2015.4	2036.8	2086.3
35°	3127.7	2893.4	2661.5	2429.9	2332.6	2235.5	2224.0	2212.5	2210.7	2212.5	2224.0
37.5°	3286.0	3010.4	2799.7	2589.0	2582.8	2576.4	2629.2	2682.0	2709.5	2682.0	2629.2
40°	3563.8	3264.0	3107.3	2950.7	3061.3	3171.8	3300.1	3428.4	3492.4	3428.4	3300.1
42.5°	3966.4	3669.0	3578.8	3488.5	3729.7	3970.8	4204.2	4437.6	4574.7	4437.6	4204.2
45°	4491.1	4223.8	4184.0	4144.2	4530.5	4916.9	5300.5	5684.1	5916.9	5684.1	5300.5
47.5°	5116.6	4856.6	4848.5	4840.5	5397.9	5955.0	6516.5	7078.0	7407.7	7078.0	6516.5
50°	5865.8	5544.7	5546.1	5547.5	6265.8	6984.1	7725.3	8466.5	8914.6	8466.5	7725.3
52.5°	6728.3	6339.5	6300.2	6260.8	7118.8	7976.9	8893.9	9810.9	10348.0	9810.9	8893.9
55°	7723.3	7339.1	7185.9	7032.5	7987.5	8942.4	10035.7	11128.9	11767.7	11128.9	10035.7
57.5°	8799.0	8589.7	8282.3	7974.9	8939.2	9903.4	11141.7	12379.9	13172.1	12379.9	11141.7
60°	9877.5	10202.5	9820.8	9439.0	10351.6	11264.1	12589.9	13915.6	14771.8	13915.6	12589.9
62.5°	10164.1	11052.0	11009.0	10965.9	11801.8	12637.8	13899.2	15160.5	15951.9	15160.5	13899.2
65°	9556.3	10389.6	10554.5	10719.2	11781.7	12844.1	14067.1	15290.1	15964.0	15290.1	14067.1
67.5°	8774.1	9566.7	9644.0	9721.3	10828.2	11935.0	13163.4	14391.7	14919.5	14391.7	13163.4
70°	7953.0	8815.1	8849.6	8884.3	9874.1	10864.0	11921.1	12978.0	13271.4	12978.0	11921.1
72.5°	7018.8	8008.2	8033.0	8057.8	8832.2	9606.7	10398.4	11190.0	11219.8	11190.0	10398.4
75°	5710.8	6734.8	6826.7	6918.5	7521.1	8123.6	8680.9	9238.2	9088.9	9238.2	8680.9
77.5°	4304.5	5260.4	5391.9	5523.5	5981.5	6439.6	6834.8	7230.1	6973.5	7230.1	6834.8
80°	2995.9	3799.9	3963.5	4127.0	4472.9	4818.6	5026.2	5233.8	4820.9	5233.8	5026.2
82.5°	1823.8	2373.6	2556.2	2738.9	2977.0	3215.1	3301.7	3388.2	3063.8	3388.2	3301.7
85°	852.3	1144.1	1299.5	1454.8	1650.5	1846.0	1895.2	1944.3	1684.5	1944.3	1895.2
87.5°	271.6	369.6	456.3	543.0	640.8	738.7	742.9	747.0	627.1	747.0	742.9
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: P962457

CATALOG NUMBER: NAV-SB2C-735-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3	2103.3
2.5°	2318.0	2310.8	2303.5	2291.3	2279.1	2270.5	2262.0
5°	2584.0	2567.8	2551.7	2521.9	2492.2	2462.2	2432.2
7.5°	2841.2	2814.9	2788.4	2744.6	2700.8	2652.1	2603.4
10°	3014.7	2983.8	2952.6	2901.2	2849.8	2792.1	2734.5
12.5°	3077.7	3055.1	3032.5	2986.1	2939.7	2877.3	2814.9
15°	3031.3	3030.5	3029.8	3000.5	2971.4	2917.6	2863.6
17.5°	2899.5	2932.2	2964.9	2964.4	2963.9	2927.5	2891.1
20°	2725.8	2797.9	2870.1	2908.4	2946.8	2934.1	2921.4
22.5°	2552.1	2658.2	2764.3	2843.8	2923.2	2939.8	2956.5
25°	2397.8	2526.6	2655.6	2776.1	2896.8	2949.2	3001.6
27.5°	2270.3	2413.2	2555.9	2715.6	2875.3	2969.2	3063.0
30°	2175.2	2324.0	2472.8	2669.4	2866.1	3005.8	3145.7
32.5°	2135.8	2275.7	2415.5	2637.9	2860.4	3051.8	3243.4
35°	2235.5	2332.6	2429.9	2661.5	2893.4	3127.7	3362.0
37.5°	2576.4	2582.8	2589.0	2799.7	3010.4	3286.0	3561.8
40°	3171.8	3061.3	2950.7	3107.3	3264.0	3563.8	3863.6
42.5°	3970.8	3729.7	3488.5	3578.8	3669.0	3966.4	4264.0
45°	4916.9	4530.5	4144.2	4184.0	4223.8	4491.1	4758.4
47.5°	5955.0	5397.9	4840.5	4848.5	4856.6	5116.6	5376.6
50°	6984.1	6265.8	5547.5	5546.1	5544.7	5865.8	6186.9
52.5°	7976.9	7118.8	6260.8	6300.2	6339.5	6728.3	7117.2
55°	8942.4	7987.5	7032.5	7185.9	7339.1	7723.3	8107.4
57.5°	9903.4	8939.2	7974.9	8282.3	8589.7	8799.0	9008.2
60°	11264.1	10351.6	9439.0	9820.8	10202.5	9877.5	9552.6
62.5°	12637.8	11801.8	10965.9	11009.0	11052.0	10164.1	9276.1
65°	12844.1	11781.7	10719.2	10554.5	10389.6	9556.3	8722.9
67.5°	11935.0	10828.2	9721.3	9644.0	9566.7	8774.1	7981.6
70°	10864.0	9874.1	8884.3	8849.6	8815.1	7953.0	7091.0
72.5°	9606.7	8832.2	8057.8	8033.0	8008.2	7018.8	6029.6
75°	8123.6	7521.1	6918.5	6826.7	6734.8	5710.8	4686.9
77.5°	6439.6	5981.5	5523.5	5391.9	5260.4	4304.5	3348.7
80°	4818.6	4472.9	4127.0	3963.5	3799.9	2995.9	2191.8
82.5°	3215.1	2977.0	2738.9	2556.2	2373.6	1823.8	1274.1
85°	1846.0	1650.5	1454.8	1299.5	1144.1	852.3	560.6
87.5°	738.7	640.8	543.0	456.3	369.6	271.6	173.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)