

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: P962114

Luminaire Tested: **NAV-SB2B-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962114
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-SB2B-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10668.2 lumens
Efficiency: N/A
Efficacy: 144.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 73.9
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

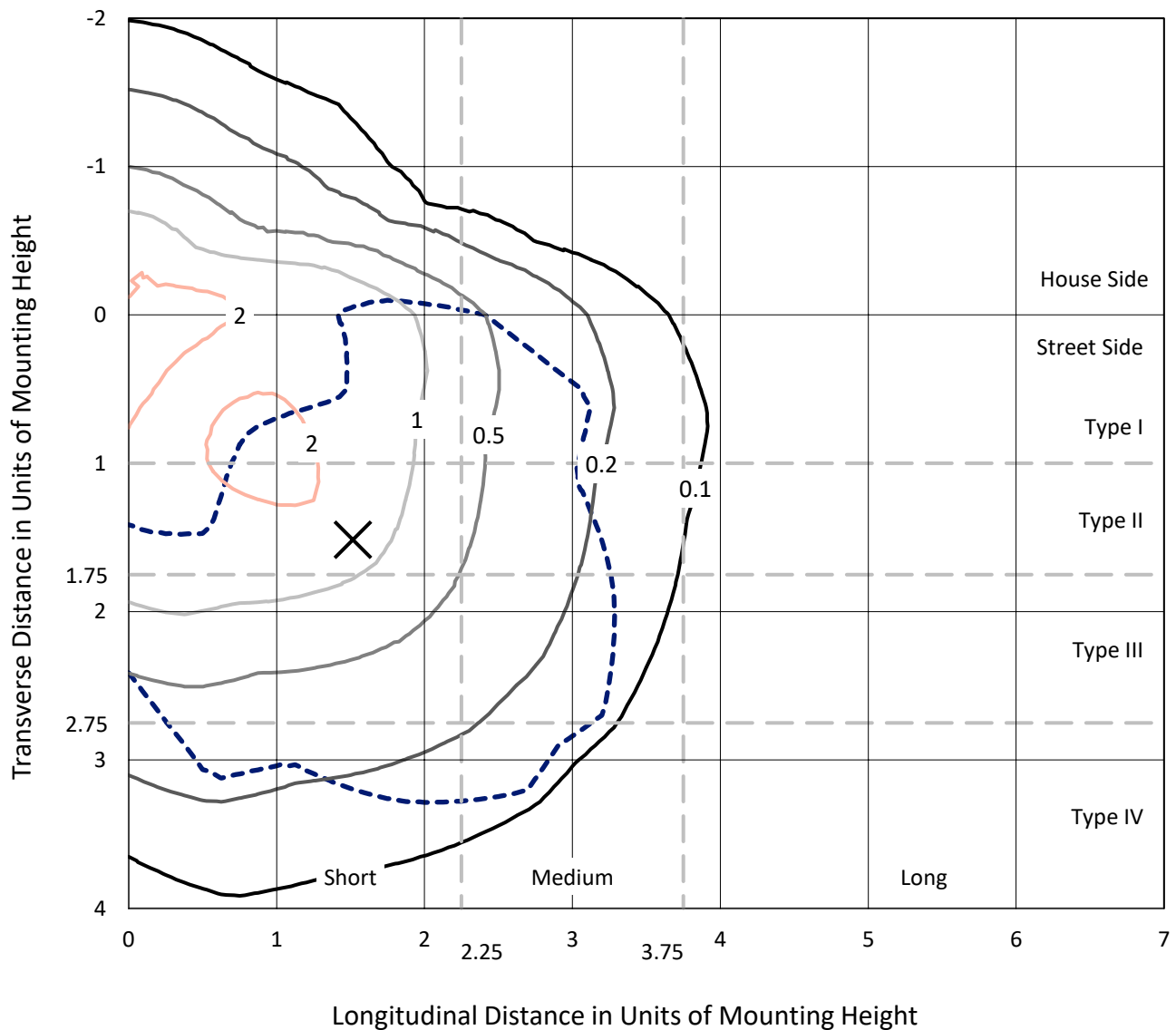


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Iso-Footcandle Lines of Horizontal Illumination

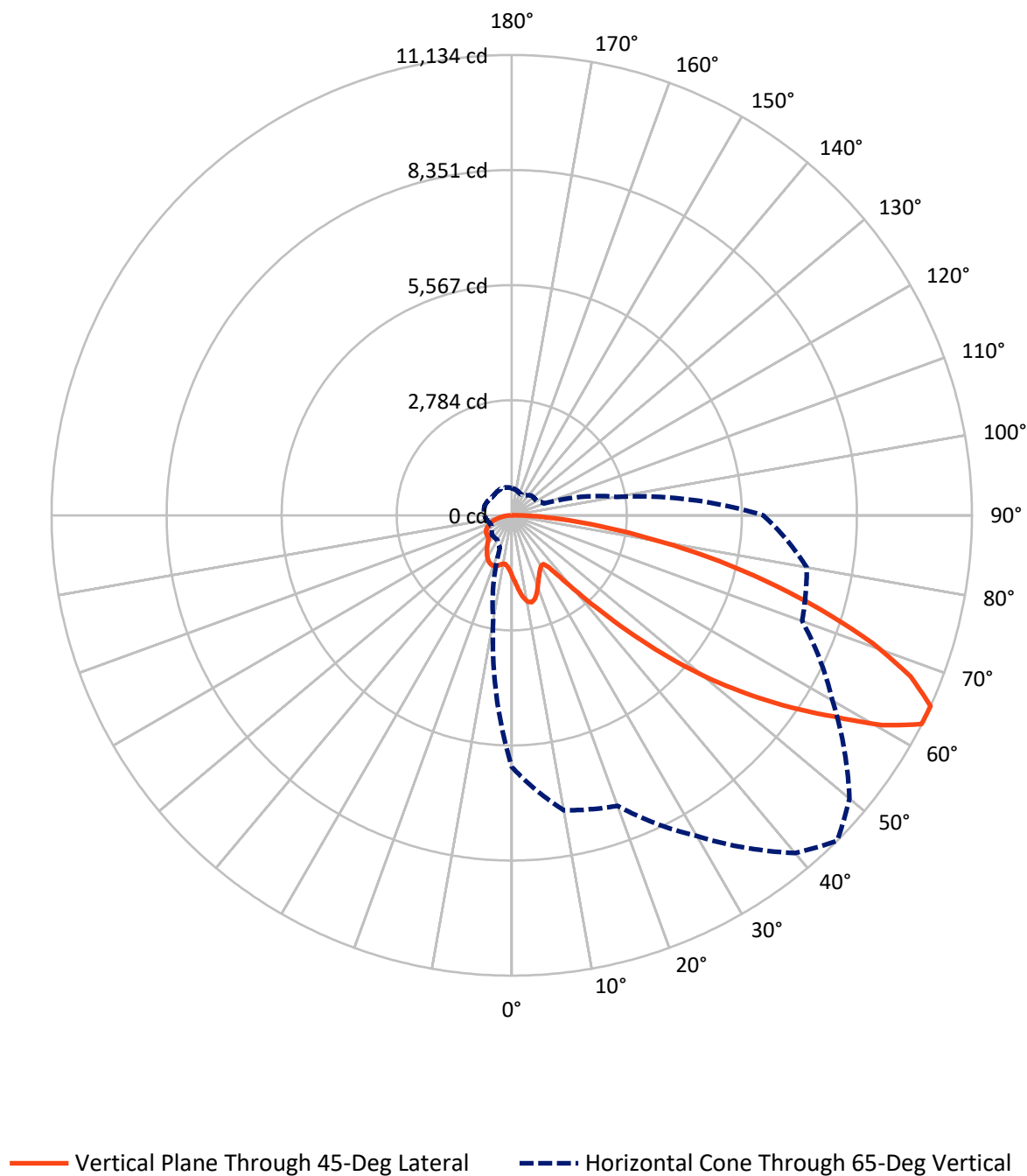
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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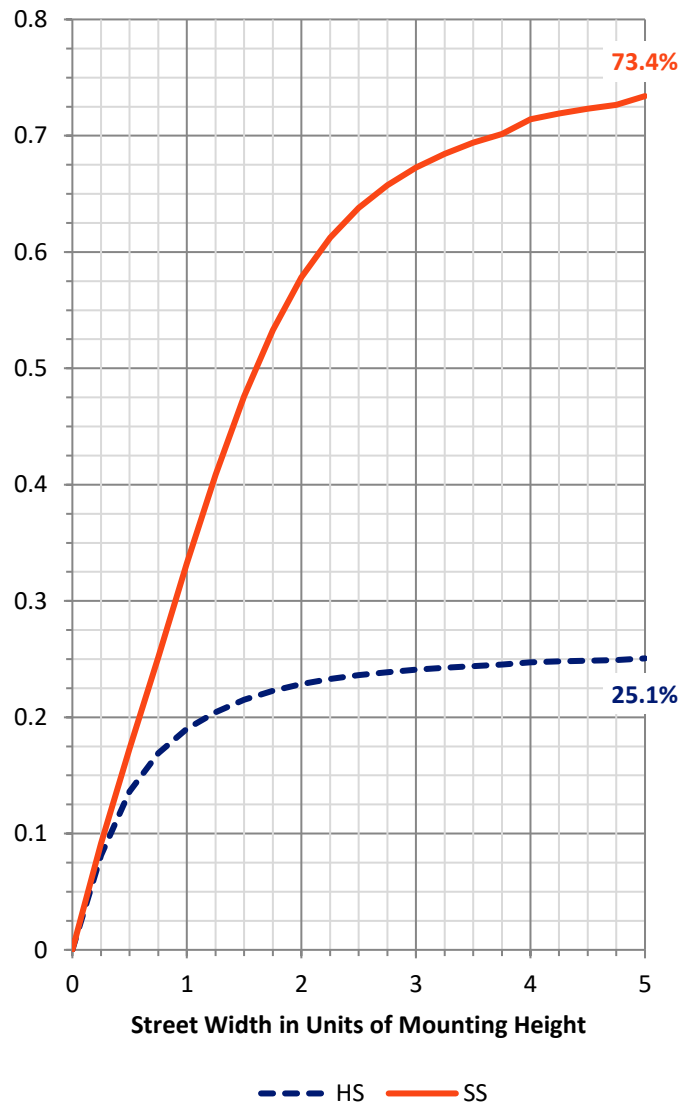
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2711.3	0.0	2711.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7956.9	0.0	7956.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	10668.2	0.0	10668.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.5	1.4
10°-20°	456.8	4.3
20°-30°	705.6	6.6
30°-40°	894.2	8.4
40°-50°	1348.7	12.6
50°-60°	2179.0	20.4
60°-70°	2716.5	25.5
70°-80°	1781.4	16.7
80°-90°	440.4	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°	10668.2	100.0
0°-180°	10668.2	100.0

Coefficient of Utilization



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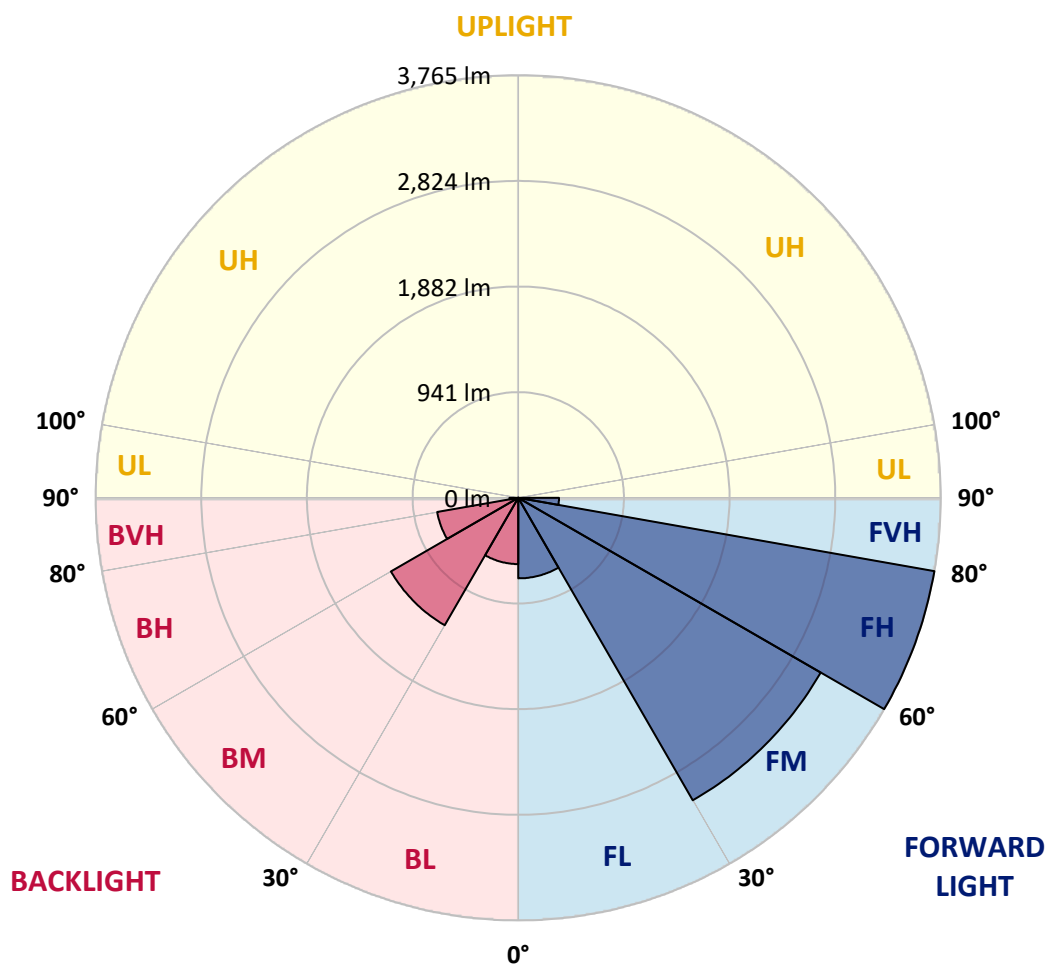
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.6	6.7			
FM	(30°-60°)	3111.7	29.2			
FH	(60°-80°)	3764.8	35.3			G2/5000
FVH	(80°-90°)	362.8	3.4			G3/500
BL	(0°-30°)	590.4	5.5	B2/1000		
BM	(30°-60°)	1310.3	12.3	B2/2500		
BH	(60°-80°)	733.0	6.9	B2/1000		G2/1000
BVH	(80°-90°)	77.6	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°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1577.6	1583.5	1589.6	1598.1	1606.6	1611.6	1616.7	1619.2	1621.8	1620.6	1621.8
5°	1696.4	1717.3	1738.2	1758.9	1779.7	1790.9	1802.2	1809.0	1815.9	1821.0	1815.9
7.5°	1815.7	1849.7	1883.6	1914.2	1944.7	1963.2	1981.6	1991.6	2001.4	2006.2	2001.4
10°	1907.2	1947.4	1987.6	2023.5	2059.2	2081.0	2102.6	2112.3	2122.0	2125.5	2122.0
12.5°	1963.2	2006.7	2050.3	2082.7	2115.0	2130.8	2146.6	2151.8	2157.1	2157.6	2157.1
15°	1997.2	2034.8	2072.3	2092.7	2113.1	2113.7	2114.2	2108.6	2103.0	2096.3	2103.0
17.5°	2016.4	2041.8	2067.1	2067.5	2067.9	2045.1	2022.3	2001.4	1980.5	1965.7	1980.5
20°	2037.5	2046.3	2055.2	2028.5	2001.7	1951.4	1901.1	1864.5	1827.8	1805.3	1827.8
22.5°	2062.0	2050.4	2038.8	1983.4	1928.0	1854.0	1779.9	1734.1	1688.3	1663.5	1688.3
25°	2093.5	2056.9	2020.3	1936.2	1852.1	1762.2	1672.3	1624.1	1576.0	1552.6	1576.0
27.5°	2136.3	2070.9	2005.4	1894.0	1782.7	1683.0	1583.4	1536.0	1488.6	1466.4	1488.6
30°	2194.0	2096.4	1999.0	1861.8	1724.7	1620.8	1517.1	1473.1	1429.2	1408.5	1429.2
32.5°	2262.1	2128.5	1995.0	1839.9	1684.7	1587.1	1489.6	1455.1	1420.5	1405.6	1420.5
35°	2344.9	2181.4	2017.9	1856.3	1694.6	1626.9	1559.1	1551.1	1543.0	1541.8	1543.0
37.5°	2484.2	2291.9	2099.6	1952.6	1805.7	1801.3	1796.9	1833.7	1870.6	1889.7	1870.6
40°	2694.7	2485.5	2276.4	2167.2	2057.9	2135.1	2212.2	2301.6	2391.2	2435.7	2391.2
42.5°	2973.9	2766.4	2558.9	2496.0	2433.0	2601.2	2769.4	2932.2	3095.1	3190.6	3095.1
45°	3318.7	3132.3	2945.8	2918.1	2890.3	3159.8	3429.3	3696.8	3964.4	4126.8	3964.4
47.5°	3749.9	3568.5	3387.2	3381.6	3375.9	3764.7	4153.3	4545.0	4936.5	5166.5	4936.5
50°	4315.0	4091.1	3867.1	3868.1	3869.1	4370.1	4871.1	5388.0	5904.9	6217.4	5904.9
52.5°	4963.9	4692.7	4421.4	4394.1	4366.6	4965.0	5563.5	6203.0	6842.6	7217.2	6842.6
55°	5654.5	5386.6	5118.6	5011.7	4904.8	5570.9	6236.9	6999.3	7761.8	8207.4	7761.8
57.5°	6282.7	6136.9	5990.9	5776.5	5562.1	6234.7	6907.2	7770.7	8634.4	9186.9	8634.4
60°	6662.4	6889.0	7115.8	6849.5	6583.3	7219.7	7856.1	8780.8	9705.4	10302.6	9705.4
62.5°	6469.6	7088.9	7708.2	7678.2	7648.1	8231.2	8814.2	9693.9	10573.6	11125.6	10573.6
65°	6083.8	6665.0	7246.2	7361.2	7476.1	8217.0	8958.0	9811.1	10664.1	11134.0	10664.1
67.5°	5566.7	6119.5	6672.3	6726.3	6780.1	7552.1	8324.0	9180.7	10037.4	10405.6	10037.4
70°	4945.5	5546.8	6148.1	6172.2	6196.3	6886.7	7577.0	8314.3	9051.5	9256.1	9051.5
72.5°	4205.3	4895.3	5585.3	5602.6	5619.9	6160.0	6700.1	7252.3	7804.5	7825.2	7804.5
75°	3268.8	3983.0	4697.2	4761.2	4825.4	5245.5	5665.8	6054.5	6443.2	6339.0	6443.2
77.5°	2335.6	3002.1	3668.8	3760.6	3852.4	4171.8	4491.2	4767.0	5042.6	4863.6	5042.6
80°	1528.6	2089.5	2650.2	2764.3	2878.3	3119.6	3360.8	3505.5	3650.2	3362.3	3650.2
82.5°	888.6	1272.0	1655.5	1782.8	1910.3	2076.3	2242.4	2302.8	2363.1	2136.8	2363.1
85°	390.9	594.4	798.0	906.3	1014.6	1151.1	1287.5	1321.8	1356.1	1174.9	1356.1
87.5°	121.1	189.4	257.8	318.3	378.7	447.0	515.2	518.1	521.0	437.4	521.0
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°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1619.2	1616.7	1611.6	1606.6	1598.1	1589.6	1583.5	1577.6	1565.5	1553.4	1540.5
5°	1809.0	1802.2	1790.9	1779.7	1758.9	1738.2	1717.3	1696.4	1669.6	1642.9	1616.2
7.5°	1991.6	1981.6	1963.2	1944.7	1914.2	1883.6	1849.7	1815.7	1771.6	1727.5	1686.7
10°	2112.3	2102.6	2081.0	2059.2	2023.5	1987.6	1947.4	1907.2	1851.4	1795.6	1741.7
12.5°	2151.8	2146.6	2130.8	2115.0	2082.7	2050.3	2006.7	1963.2	1901.9	1840.6	1779.6
15°	2108.6	2114.2	2113.7	2113.1	2092.7	2072.3	2034.8	1997.2	1933.4	1869.5	1803.3
17.5°	2001.4	2022.3	2045.1	2067.9	2067.5	2067.1	2041.8	2016.4	1951.6	1886.8	1814.6
20°	1864.5	1901.1	1951.4	2001.7	2028.5	2055.2	2046.3	2037.5	1970.2	1902.8	1823.4
22.5°	1734.1	1779.9	1854.0	1928.0	1983.4	2038.8	2050.4	2062.0	1993.2	1924.3	1835.4
25°	1624.1	1672.3	1762.2	1852.1	1936.2	2020.3	2056.9	2093.5	2026.0	1958.7	1857.0
27.5°	1536.0	1583.4	1683.0	1782.7	1894.0	2005.4	2070.9	2136.3	2072.0	2007.7	1890.7
30°	1473.1	1517.1	1620.8	1724.7	1861.8	1999.0	2096.4	2194.0	2131.8	2069.8	1934.5
32.5°	1455.1	1489.6	1587.1	1684.7	1839.9	1995.0	2128.5	2262.1	2200.6	2139.1	1980.1
35°	1551.1	1559.1	1626.9	1694.6	1856.3	2017.9	2181.4	2344.9	2286.0	2227.0	2032.2
37.5°	1833.7	1796.9	1801.3	1805.7	1952.6	2099.6	2291.9	2484.2	2409.1	2334.0	2090.4
40°	2301.6	2212.2	2135.1	2057.9	2167.2	2276.4	2485.5	2694.7	2585.3	2475.8	2164.4
42.5°	2932.2	2769.4	2601.2	2433.0	2496.0	2558.9	2766.4	2973.9	2816.0	2658.0	2261.1
45°	3696.8	3429.3	3159.8	2890.3	2918.1	2945.8	3132.3	3318.7	3105.6	2892.5	2388.5
47.5°	4545.0	4153.3	3764.7	3375.9	3381.6	3387.2	3568.5	3749.9	3450.0	3150.1	2524.2
50°	5388.0	4871.1	4370.1	3869.1	3868.1	3867.1	4091.1	4315.0	3863.0	3410.9	2650.0
52.5°	6203.0	5563.5	4965.0	4366.6	4394.1	4421.4	4692.7	4963.9	4296.8	3629.7	2731.7
55°	6999.3	6236.9	5570.9	4904.8	5011.7	5118.6	5386.6	5654.5	4681.4	3708.2	2713.7
57.5°	7770.7	6907.2	6234.7	5562.1	5776.5	5990.9	6136.9	6282.7	4953.9	3625.1	2587.0
60°	8780.8	7856.1	7219.7	6583.3	6849.5	7115.8	6889.0	6662.4	5022.0	3381.6	2351.0
62.5°	9693.9	8814.2	8231.2	7648.1	7678.2	7708.2	7088.9	6469.6	4735.2	3000.8	2032.1
65°	9811.1	8958.0	8217.0	7476.1	7361.2	7246.2	6665.0	6083.8	4329.4	2575.1	1706.5
67.5°	9180.7	8324.0	7552.1	6780.1	6726.3	6672.3	6119.5	5566.7	3846.5	2126.3	1387.7
70°	8314.3	7577.0	6886.7	6196.3	6172.2	6148.1	5546.8	4945.5	3319.6	1693.5	1092.6
72.5°	7252.3	6700.1	6160.0	5619.9	5602.6	5585.3	4895.3	4205.3	2748.3	1291.3	835.3
75°	6054.5	5665.8	5245.5	4825.4	4761.2	4697.2	3983.0	3268.8	2093.5	918.0	606.3
77.5°	4767.0	4491.2	4171.8	3852.4	3760.6	3668.8	3002.1	2335.6	1465.2	594.9	410.8
80°	3505.5	3360.8	3119.6	2878.3	2764.3	2650.2	2089.5	1528.6	944.0	359.5	264.7
82.5°	2302.8	2242.4	2076.3	1910.3	1782.8	1655.5	1272.0	888.6	546.3	204.2	162.8
85°	1321.8	1287.5	1151.1	1014.6	906.3	798.0	594.4	390.9	245.8	100.7	87.0
87.5°	518.1	515.2	447.0	378.7	318.3	257.8	189.4	121.1	80.5	40.0	36.1
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1527.7	1514.7	1501.7	1489.3	1477.0	1465.0	1451.7	1440.8	1430.1	1420.3	1410.7
5°	1589.6	1562.7	1536.0	1510.8	1485.8	1462.2	1438.8	1418.4	1398.0	1380.9	1363.9
7.5°	1645.9	1606.3	1566.6	1531.7	1496.7	1464.4	1434.2	1407.1	1380.0	1357.5	1335.0
10°	1687.9	1639.7	1591.5	1550.2	1508.7	1468.9	1436.4	1407.8	1379.2	1356.8	1334.2
12.5°	1718.6	1661.7	1604.8	1558.1	1511.4	1469.5	1439.3	1415.8	1392.6	1377.6	1362.7
15°	1737.1	1671.6	1606.1	1552.0	1497.8	1451.5	1427.3	1416.0	1405.0	1406.9	1409.0
17.5°	1742.4	1666.3	1590.4	1525.2	1460.1	1405.6	1390.7	1394.8	1398.8	1423.4	1447.9
20°	1744.0	1652.0	1559.8	1479.2	1398.4	1335.0	1331.1	1350.1	1369.3	1411.9	1454.6
22.5°	1746.3	1634.3	1522.2	1425.1	1327.8	1255.6	1263.3	1291.6	1319.9	1368.6	1417.4
25°	1755.2	1616.8	1478.5	1364.6	1250.8	1176.8	1197.6	1230.3	1262.9	1306.7	1350.4
27.5°	1773.8	1605.1	1436.5	1309.4	1182.2	1114.9	1140.2	1171.7	1203.2	1239.2	1275.1
30°	1799.2	1599.7	1400.0	1263.2	1126.4	1069.8	1089.7	1114.7	1139.8	1169.6	1199.5
32.5°	1821.1	1593.0	1364.6	1223.4	1082.2	1036.6	1045.5	1060.3	1075.0	1098.9	1122.8
35°	1837.2	1580.2	1323.3	1184.3	1045.3	1007.4	1003.7	1007.8	1011.9	1030.0	1048.2
37.5°	1846.8	1558.4	1270.1	1138.3	1006.6	973.2	959.9	955.4	950.9	963.9	976.9
40°	1852.9	1528.5	1204.1	1083.3	962.6	932.4	911.9	901.7	891.5	901.0	910.4
42.5°	1864.3	1497.5	1130.8	1022.7	914.6	886.8	861.0	847.5	833.9	841.6	849.3
45°	1884.4	1468.7	1053.1	958.3	863.6	835.4	810.4	797.1	784.0	790.5	796.9
47.5°	1898.2	1444.9	991.8	907.3	823.0	786.7	765.2	754.1	743.0	749.2	755.1
50°	1889.2	1419.1	948.9	873.5	798.1	750.4	725.3	715.6	705.8	715.2	724.8
52.5°	1833.7	1375.3	917.0	851.3	785.6	730.6	695.7	685.9	676.4	690.5	704.8
55°	1719.1	1302.8	886.5	835.1	783.7	732.7	679.9	664.6	649.3	669.5	689.7
57.5°	1548.9	1200.6	852.3	816.0	779.6	734.6	670.5	648.1	625.9	647.6	669.3
60°	1320.5	1067.8	815.2	786.7	758.1	728.5	661.5	632.6	603.7	622.8	641.9
62.5°	1063.2	909.0	754.8	735.7	716.9	713.2	651.2	615.0	578.9	591.0	603.2
65°	838.0	766.1	694.1	685.1	676.2	676.6	629.3	590.9	552.5	557.2	561.8
67.5°	649.1	628.7	608.2	613.3	618.2	616.9	590.4	558.4	526.4	525.0	523.5
70°	491.7	497.5	503.4	526.5	549.7	549.7	541.0	518.2	495.5	490.5	485.3
72.5°	379.2	396.9	414.6	447.5	480.3	485.8	486.0	470.3	454.7	447.3	439.9
75°	294.5	310.5	326.5	363.3	400.2	425.6	423.4	411.4	399.4	392.3	385.2
77.5°	226.7	237.6	248.6	284.2	320.0	361.9	360.8	351.2	341.5	334.4	327.2
80°	170.0	174.5	179.0	209.3	239.5	289.7	289.5	281.4	273.3	267.3	261.2
82.5°	121.5	122.3	123.2	145.4	167.8	210.5	212.9	209.0	205.0	200.7	196.5
85°	73.5	73.1	72.6	89.0	105.3	137.0	140.1	135.9	131.7	126.9	122.2
87.5°	32.2	31.8	31.4	38.0	44.8	58.0	61.9	60.3	58.5	57.6	56.8
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: P962114

CATALOG NUMBER: NAV-SB2B-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1402.2	1393.7	1385.1	1376.6	1370.0	1363.4	1358.0	1352.7	1348.5	1344.4	1340.5
5°	1348.8	1333.6	1320.0	1306.3	1295.7	1285.1	1277.8	1270.4	1265.2	1259.9	1255.9
7.5°	1316.0	1296.9	1280.2	1263.5	1250.9	1238.4	1229.7	1220.9	1214.8	1208.9	1205.3
10°	1313.8	1293.3	1274.5	1255.6	1240.7	1225.6	1215.8	1205.9	1200.2	1194.5	1191.5
12.5°	1346.6	1330.7	1311.1	1291.6	1272.4	1253.4	1240.7	1228.1	1221.7	1215.3	1212.8
15°	1404.9	1400.7	1383.7	1366.7	1339.6	1312.3	1293.0	1273.8	1265.0	1256.1	1252.8
17.5°	1461.0	1474.1	1460.3	1446.7	1410.6	1374.5	1346.1	1317.8	1304.7	1291.6	1287.3
20°	1481.8	1509.2	1502.9	1496.5	1455.3	1414.1	1379.2	1344.5	1327.8	1311.1	1305.6
22.5°	1452.8	1488.4	1492.2	1496.0	1456.5	1417.2	1381.4	1345.5	1327.9	1310.2	1304.3
25°	1385.4	1420.3	1433.5	1446.4	1414.1	1381.9	1350.0	1318.3	1303.0	1287.7	1282.1
27.5°	1303.2	1331.2	1345.7	1360.3	1337.3	1314.3	1289.6	1264.8	1254.6	1244.4	1241.8
30°	1222.7	1246.0	1257.9	1269.7	1252.1	1234.6	1216.9	1199.1	1193.9	1188.6	1188.6
32.5°	1145.0	1167.4	1180.5	1193.7	1177.6	1161.4	1147.3	1133.1	1129.8	1126.3	1126.8
35°	1070.2	1092.3	1108.1	1123.9	1112.4	1101.0	1087.9	1074.9	1069.7	1064.5	1063.3
37.5°	999.0	1021.0	1040.5	1060.0	1054.7	1049.4	1037.4	1025.3	1015.9	1006.3	1001.4
40°	931.6	952.9	975.3	997.7	999.1	1000.3	990.1	979.9	966.1	952.3	943.0
42.5°	869.5	889.7	913.9	938.1	944.5	951.1	942.5	933.9	916.8	899.5	886.0
45°	816.1	835.3	860.4	885.5	894.7	904.0	896.3	888.6	868.9	849.3	833.4
47.5°	773.9	792.6	817.3	842.1	852.8	863.6	858.1	852.7	835.3	817.8	803.1
50°	742.4	760.0	782.3	804.4	818.2	831.9	831.6	831.3	817.3	803.4	789.8
52.5°	721.0	737.2	757.8	778.5	794.8	811.1	814.0	816.9	805.5	794.2	782.0
55°	707.1	724.6	742.7	760.8	778.0	795.3	799.4	803.4	793.5	783.6	772.8
57.5°	689.8	710.3	728.2	746.2	763.5	780.8	784.9	789.1	779.1	769.1	758.5
60°	665.3	688.9	707.0	725.3	742.8	760.2	764.8	769.3	759.4	749.7	738.8
62.5°	630.6	658.0	677.5	696.9	712.9	728.9	733.2	737.5	728.7	719.9	708.4
65°	591.2	620.6	639.2	657.7	671.9	685.9	690.3	694.7	686.2	677.7	666.7
67.5°	550.6	577.8	595.4	613.1	625.1	637.3	641.6	646.0	638.2	630.4	620.0
70°	509.2	533.1	548.3	563.4	574.4	585.5	589.6	593.8	587.4	581.1	571.1
72.5°	458.7	477.4	491.2	504.9	515.7	526.4	531.4	536.4	531.1	525.7	516.3
75°	399.1	413.1	425.5	438.0	447.7	457.6	462.7	467.9	465.4	462.7	454.8
77.5°	338.6	349.8	360.6	371.3	381.5	391.8	396.7	401.5	397.9	394.1	386.1
80°	270.7	280.0	289.0	298.1	305.9	313.6	320.1	326.5	324.9	323.4	312.6
82.5°	195.7	194.9	191.8	188.6	205.2	221.9	232.8	243.7	243.0	242.3	233.3
85°	118.1	114.0	105.3	96.6	112.1	127.8	141.2	154.8	153.6	152.5	145.4
87.5°	56.6	56.4	49.7	43.0	49.6	56.2	61.6	67.1	65.7	64.3	60.7
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: P962114

CATALOG NUMBER: NAV-SB2B-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1336.7	1331.9	1336.7	1340.5	1344.4	1348.5	1352.7	1358.0	1363.4	1370.0	1376.6
5°	1251.9	1248.0	1251.9	1255.9	1259.9	1265.2	1270.4	1277.8	1285.1	1295.7	1306.3
7.5°	1201.7	1199.0	1201.7	1205.3	1208.9	1214.8	1220.9	1229.7	1238.4	1250.9	1263.5
10°	1188.5	1187.2	1188.5	1191.5	1194.5	1200.2	1205.9	1215.8	1225.6	1240.7	1255.6
12.5°	1210.1	1209.7	1210.1	1212.8	1215.3	1221.7	1228.1	1240.7	1253.4	1272.4	1291.6
15°	1249.4	1249.2	1249.4	1252.8	1256.1	1265.0	1273.8	1293.0	1312.3	1339.6	1366.7
17.5°	1283.0	1282.4	1283.0	1287.3	1291.6	1304.7	1317.8	1346.1	1374.5	1410.6	1446.7
20°	1300.3	1298.7	1300.3	1305.6	1311.1	1327.8	1344.5	1379.2	1414.1	1455.3	1496.5
22.5°	1298.4	1295.8	1298.4	1304.3	1310.2	1327.9	1345.5	1381.4	1417.2	1456.5	1496.0
25°	1276.6	1273.4	1276.6	1282.1	1287.7	1303.0	1318.3	1350.0	1381.9	1414.1	1446.4
27.5°	1239.2	1238.4	1239.2	1241.8	1244.4	1254.6	1264.8	1289.6	1314.3	1337.3	1360.3
30°	1188.6	1189.4	1188.6	1188.6	1188.6	1193.9	1199.1	1216.9	1234.6	1252.1	1269.7
32.5°	1127.3	1128.1	1127.3	1126.8	1126.3	1129.8	1133.1	1147.3	1161.4	1177.6	1193.7
35°	1062.2	1061.7	1062.2	1063.3	1064.5	1069.7	1074.9	1087.9	1101.0	1112.4	1123.9
37.5°	996.4	993.5	996.4	1001.4	1006.3	1015.9	1025.3	1037.4	1049.4	1054.7	1060.0
40°	933.8	928.2	933.8	943.0	952.3	966.1	979.9	990.1	1000.3	999.1	997.7
42.5°	872.4	863.6	872.4	886.0	899.5	916.8	933.9	942.5	951.1	944.5	938.1
45°	817.4	807.2	817.4	833.4	849.3	868.9	888.6	896.3	904.0	894.7	885.5
47.5°	788.3	778.5	788.3	803.1	817.8	835.3	852.7	858.1	863.6	852.8	842.1
50°	776.1	766.7	776.1	789.8	803.4	817.3	831.3	831.6	831.9	818.2	804.4
52.5°	769.8	761.1	769.8	782.0	794.2	805.5	816.9	814.0	811.1	794.8	778.5
55°	762.2	754.3	762.2	772.8	783.6	793.5	803.4	799.4	795.3	778.0	760.8
57.5°	747.8	739.6	747.8	758.5	769.1	779.1	789.1	784.9	780.8	763.5	746.2
60°	727.9	719.4	727.9	738.8	749.7	759.4	769.3	764.8	760.2	742.8	725.3
62.5°	696.9	686.7	696.9	708.4	719.9	728.7	737.5	733.2	728.9	712.9	696.9
65°	655.5	646.8	655.5	666.7	677.7	686.2	694.7	690.3	685.9	671.9	657.7
67.5°	609.7	601.8	609.7	620.0	630.4	638.2	646.0	641.6	637.3	625.1	613.1
70°	561.2	552.3	561.2	571.1	581.1	587.4	593.8	589.6	585.5	574.4	563.4
72.5°	506.9	498.2	506.9	516.3	525.7	531.1	536.4	531.4	526.4	515.7	504.9
75°	446.8	438.5	446.8	454.8	462.7	465.4	467.9	462.7	457.6	447.7	438.0
77.5°	378.1	371.6	378.1	386.1	394.1	397.9	401.5	396.7	391.8	381.5	371.3
80°	301.9	289.4	301.9	312.6	323.4	324.9	326.5	320.1	313.6	305.9	298.1
82.5°	224.2	216.2	224.2	233.3	242.3	243.0	243.7	232.8	221.9	205.2	188.6
85°	138.4	131.2	138.4	145.4	152.5	153.6	154.8	141.2	127.8	112.1	96.6
87.5°	57.0	53.5	57.0	60.7	64.3	65.7	67.1	61.6	56.2	49.6	43.0
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: P962114

CATALOG NUMBER: NAV-SB2B-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1385.1	1393.7	1402.2	1410.7	1420.3	1430.1	1440.8	1451.7	1465.0	1477.0	1489.3
5°	1320.0	1333.6	1348.8	1363.9	1380.9	1398.0	1418.4	1438.8	1462.2	1485.8	1510.8
7.5°	1280.2	1296.9	1316.0	1335.0	1357.5	1380.0	1407.1	1434.2	1464.4	1496.7	1531.7
10°	1274.5	1293.3	1313.8	1334.2	1356.8	1379.2	1407.8	1436.4	1468.9	1508.7	1550.2
12.5°	1311.1	1330.7	1346.6	1362.7	1377.6	1392.6	1415.8	1439.3	1469.5	1511.4	1558.1
15°	1383.7	1400.7	1404.9	1409.0	1406.9	1405.0	1416.0	1427.3	1451.5	1497.8	1552.0
17.5°	1460.3	1474.1	1461.0	1447.9	1423.4	1398.8	1394.8	1390.7	1405.6	1460.1	1525.2
20°	1502.9	1509.2	1481.8	1454.6	1411.9	1369.3	1350.1	1331.1	1335.0	1398.4	1479.2
22.5°	1492.2	1488.4	1452.8	1417.4	1368.6	1319.9	1291.6	1263.3	1255.6	1327.8	1425.1
25°	1433.5	1420.3	1385.4	1350.4	1306.7	1262.9	1230.3	1197.6	1176.8	1250.8	1364.6
27.5°	1345.7	1331.2	1303.2	1275.1	1239.2	1203.2	1171.7	1140.2	1114.9	1182.2	1309.4
30°	1257.9	1246.0	1222.7	1199.5	1169.6	1139.8	1114.7	1089.7	1069.8	1126.4	1263.2
32.5°	1180.5	1167.4	1145.0	1122.8	1098.9	1075.0	1060.3	1045.5	1036.6	1082.2	1223.4
35°	1108.1	1092.3	1070.2	1048.2	1030.0	1011.9	1007.8	1003.7	1007.4	1045.3	1184.3
37.5°	1040.5	1021.0	999.0	976.9	963.9	950.9	955.4	959.9	973.2	1006.6	1138.3
40°	975.3	952.9	931.6	910.4	901.0	891.5	901.7	911.9	932.4	962.6	1083.3
42.5°	913.9	889.7	869.5	849.3	841.6	833.9	847.5	861.0	886.8	914.6	1022.7
45°	860.4	835.3	816.1	796.9	790.5	784.0	797.1	810.4	835.4	863.6	958.3
47.5°	817.3	792.6	773.9	755.1	749.2	743.0	754.1	765.2	786.7	823.0	907.3
50°	782.3	760.0	742.4	724.8	715.2	705.8	715.6	725.3	750.4	798.1	873.5
52.5°	757.8	737.2	721.0	704.8	690.5	676.4	685.9	695.7	730.6	785.6	851.3
55°	742.7	724.6	707.1	689.7	669.5	649.3	664.6	679.9	732.7	783.7	835.1
57.5°	728.2	710.3	689.8	669.3	647.6	625.9	648.1	670.5	734.6	779.6	816.0
60°	707.0	688.9	665.3	641.9	622.8	603.7	632.6	661.5	728.5	758.1	786.7
62.5°	677.5	658.0	630.6	603.2	591.0	578.9	615.0	651.2	713.2	716.9	735.7
65°	639.2	620.6	591.2	561.8	557.2	552.5	590.9	629.3	676.6	676.2	685.1
67.5°	595.4	577.8	550.6	523.5	525.0	526.4	558.4	590.4	616.9	618.2	613.3
70°	548.3	533.1	509.2	485.3	490.5	495.5	518.2	541.0	549.7	549.7	526.5
72.5°	491.2	477.4	458.7	439.9	447.3	454.7	470.3	486.0	485.8	480.3	447.5
75°	425.5	413.1	399.1	385.2	392.3	399.4	411.4	423.4	425.6	400.2	363.3
77.5°	360.6	349.8	338.6	327.2	334.4	341.5	351.2	360.8	361.9	320.0	284.2
80°	289.0	280.0	270.7	261.2	267.3	273.3	281.4	289.5	289.7	239.5	209.3
82.5°	191.8	194.9	195.7	196.5	200.7	205.0	209.0	212.9	210.5	167.8	145.4
85°	105.3	114.0	118.1	122.2	126.9	131.7	135.9	140.1	137.0	105.3	89.0
87.5°	49.7	56.4	56.6	56.8	57.6	58.5	60.3	61.9	58.0	44.8	38.0
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: P962114

CATALOG NUMBER: NAV-SB2B-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0	1467.0
2.5°	1501.7	1514.7	1527.7	1540.5	1553.4	1565.5	1577.6
5°	1536.0	1562.7	1589.6	1616.2	1642.9	1669.6	1696.4
7.5°	1566.6	1606.3	1645.9	1686.7	1727.5	1771.6	1815.7
10°	1591.5	1639.7	1687.9	1741.7	1795.6	1851.4	1907.2
12.5°	1604.8	1661.7	1718.6	1779.6	1840.6	1901.9	1963.2
15°	1606.1	1671.6	1737.1	1803.3	1869.5	1933.4	1997.2
17.5°	1590.4	1666.3	1742.4	1814.6	1886.8	1951.6	2016.4
20°	1559.8	1652.0	1744.0	1823.4	1902.8	1970.2	2037.5
22.5°	1522.2	1634.3	1746.3	1835.4	1924.3	1993.2	2062.0
25°	1478.5	1616.8	1755.2	1857.0	1958.7	2026.0	2093.5
27.5°	1436.5	1605.1	1773.8	1890.7	2007.7	2072.0	2136.3
30°	1400.0	1599.7	1799.2	1934.5	2069.8	2131.8	2194.0
32.5°	1364.6	1593.0	1821.1	1980.1	2139.1	2200.6	2262.1
35°	1323.3	1580.2	1837.2	2032.2	2227.0	2286.0	2344.9
37.5°	1270.1	1558.4	1846.8	2090.4	2334.0	2409.1	2484.2
40°	1204.1	1528.5	1852.9	2164.4	2475.8	2585.3	2694.7
42.5°	1130.8	1497.5	1864.3	2261.1	2658.0	2816.0	2973.9
45°	1053.1	1468.7	1884.4	2388.5	2892.5	3105.6	3318.7
47.5°	991.8	1444.9	1898.2	2524.2	3150.1	3450.0	3749.9
50°	948.9	1419.1	1889.2	2650.0	3410.9	3863.0	4315.0
52.5°	917.0	1375.3	1833.7	2731.7	3629.7	4296.8	4963.9
55°	886.5	1302.8	1719.1	2713.7	3708.2	4681.4	5654.5
57.5°	852.3	1200.6	1548.9	2587.0	3625.1	4953.9	6282.7
60°	815.2	1067.8	1320.5	2351.0	3381.6	5022.0	6662.4
62.5°	754.8	909.0	1063.2	2032.1	3000.8	4735.2	6469.6
65°	694.1	766.1	838.0	1706.5	2575.1	4329.4	6083.8
67.5°	608.2	628.7	649.1	1387.7	2126.3	3846.5	5566.7
70°	503.4	497.5	491.7	1092.6	1693.5	3319.6	4945.5
72.5°	414.6	396.9	379.2	835.3	1291.3	2748.3	4205.3
75°	326.5	310.5	294.5	606.3	918.0	2093.5	3268.8
77.5°	248.6	237.6	226.7	410.8	594.9	1465.2	2335.6
80°	179.0	174.5	170.0	264.7	359.5	944.0	1528.6
82.5°	123.2	122.3	121.5	162.8	204.2	546.3	888.6
85°	72.6	73.1	73.5	87.0	100.7	245.8	390.9
87.5°	31.4	31.8	32.2	36.1	40.0	80.5	121.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)