

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: P960905

Luminaire Tested: **NAV-SB1D-740-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960905
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-SB1D-740-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 4000K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10999.3 lumens
Efficiency: N/A
Efficacy: 138.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

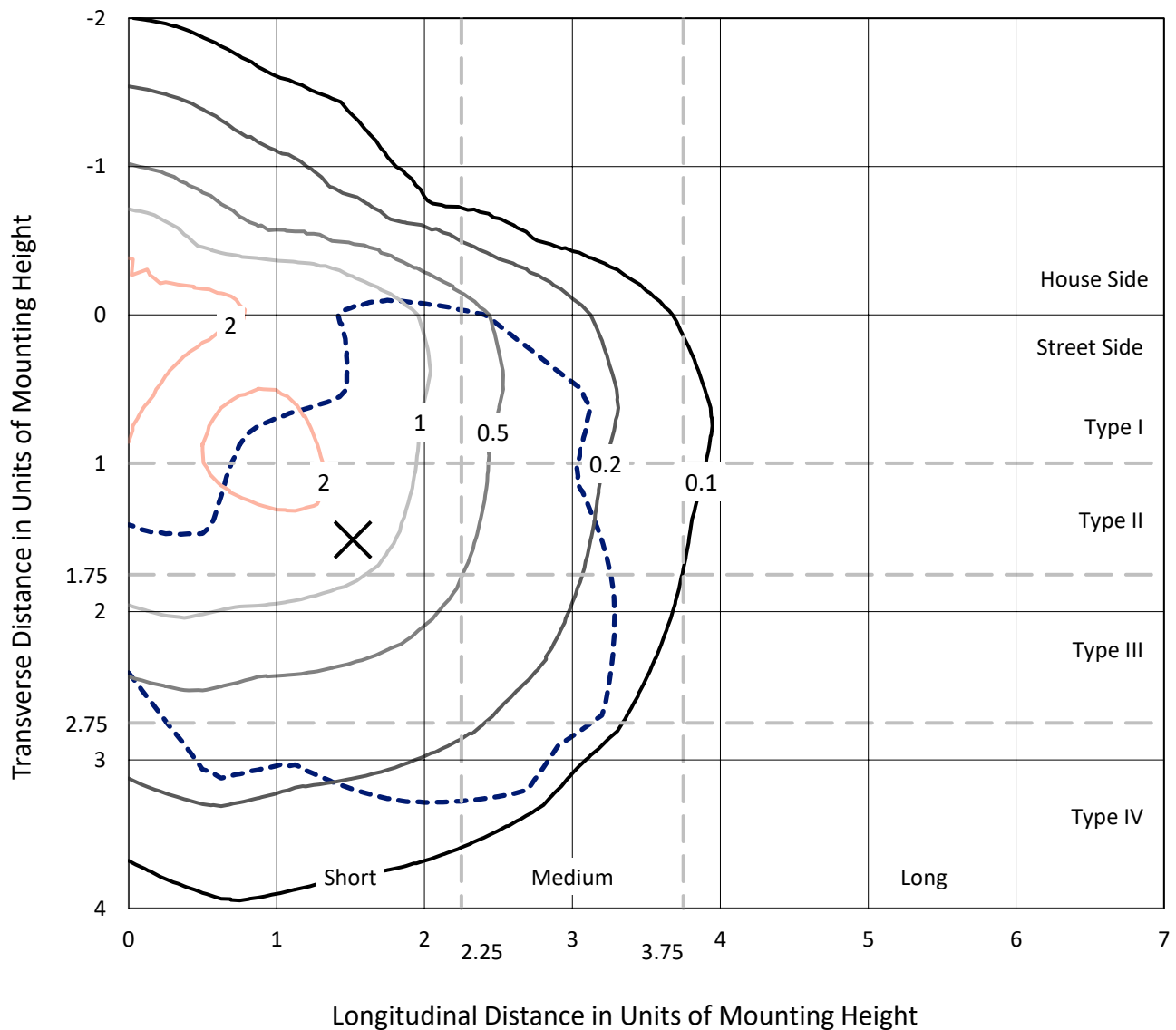
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

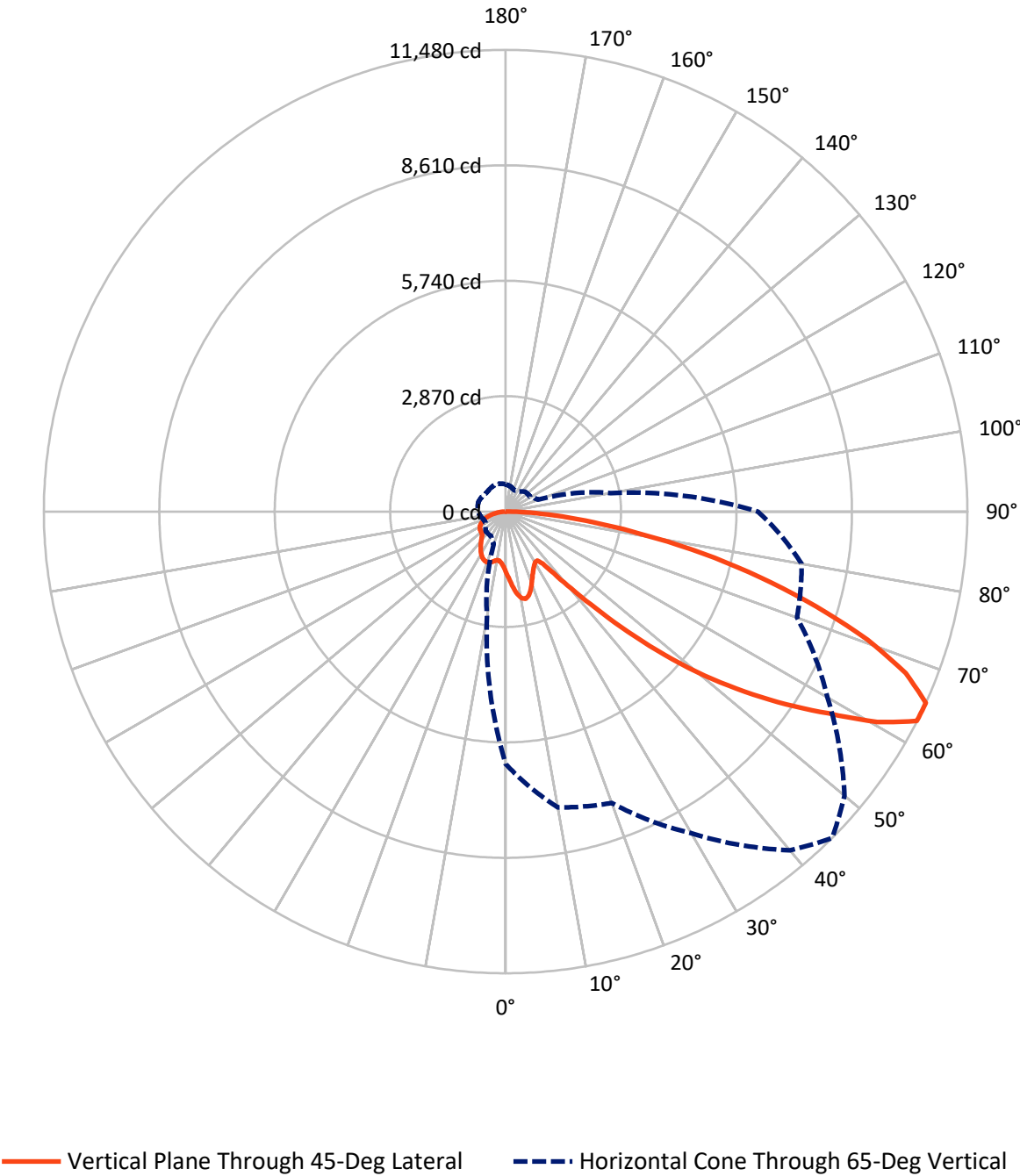
× Max cd
- - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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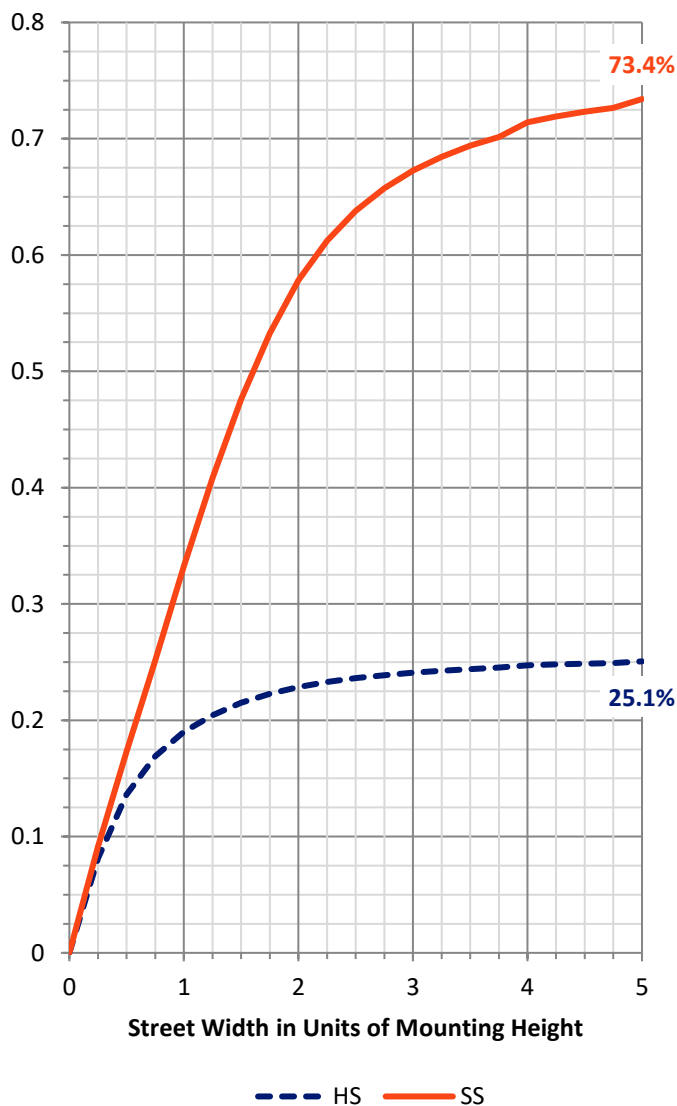
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2795.5	0.0	2795.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	8203.8	0.0	8203.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	10999.3	0.0	10999.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.0	1.4
10°-20°	471.0	4.3
20°-30°	727.5	6.6
30°-40°	922.0	8.4
40°-50°	1390.6	12.6
50°-60°	2246.7	20.4
60°-70°	2800.8	25.5
70°-80°	1836.6	16.7
80°-90°	454.1	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°	10999.3	100.0
0°-180°	10999.3	100.0

Coefficient of Utilization



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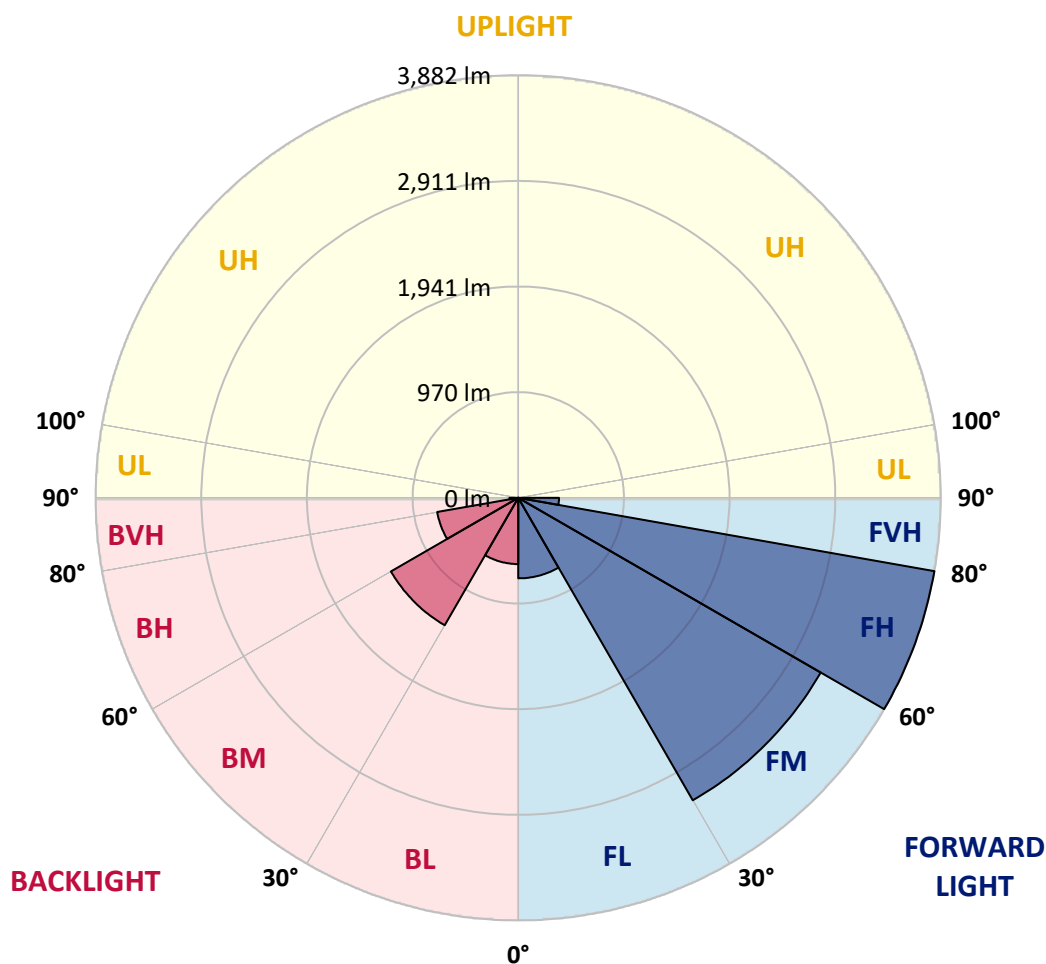
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	739.8	6.7			
FM	(30°-60°)	3208.3	29.2			
FH	(60°-80°)	3881.7	35.3			G2/5000
FVH	(80°-90°)	374.0	3.4			G3/500
BL	(0°-30°)	608.7	5.5	B2/1000		
BM	(30°-60°)	1350.9	12.3	B2/2500		
BH	(60°-80°)	755.8	6.9	B2/1000		G2/1000
BVH	(80°-90°)	80.0	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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1626.6	1632.7	1638.9	1647.7	1656.4	1661.6	1666.9	1669.5	1672.1	1671.0	1672.1
5°	1749.0	1770.6	1792.1	1813.5	1834.9	1846.5	1858.1	1865.1	1872.3	1877.6	1872.3
7.5°	1872.1	1907.1	1942.1	1973.6	2005.1	2024.1	2043.1	2053.4	2063.5	2068.6	2063.5
10°	1966.4	2007.8	2049.3	2086.2	2123.2	2145.6	2167.9	2177.8	2187.8	2191.6	2187.8
12.5°	2024.1	2069.1	2113.9	2147.4	2180.7	2196.9	2213.2	2218.6	2224.0	2224.7	2224.0
15°	2059.2	2098.0	2136.7	2157.6	2178.6	2179.3	2179.9	2174.0	2168.2	2161.4	2168.2
17.5°	2078.9	2105.1	2131.3	2131.7	2132.1	2108.5	2085.1	2063.5	2041.9	2026.7	2041.9
20°	2100.7	2109.9	2119.0	2091.4	2063.8	2012.0	1960.1	1922.3	1884.6	1861.3	1884.6
22.5°	2126.0	2114.0	2102.1	2045.0	1987.9	1911.5	1835.2	1787.9	1740.7	1715.0	1740.7
25°	2158.4	2120.7	2083.0	1996.3	1909.6	1816.9	1724.3	1674.5	1624.9	1600.7	1624.9
27.5°	2202.6	2135.2	2067.6	1952.7	1837.9	1735.2	1632.5	1583.6	1534.8	1511.9	1534.8
30°	2262.1	2161.5	2061.0	1919.6	1778.2	1671.2	1564.1	1518.8	1473.5	1452.1	1473.5
32.5°	2332.3	2194.5	2056.9	1897.0	1737.0	1636.4	1535.9	1500.3	1464.6	1449.2	1464.6
35°	2417.6	2249.1	2080.5	1913.9	1747.2	1677.4	1607.6	1599.3	1591.0	1589.7	1591.0
37.5°	2561.3	2363.0	2164.7	2013.3	1861.8	1857.2	1852.7	1890.7	1928.6	1948.3	1928.6
40°	2778.4	2562.7	2347.0	2234.4	2121.8	2201.3	2280.8	2373.1	2465.3	2511.4	2465.3
42.5°	3066.2	2852.3	2638.4	2573.5	2508.6	2682.0	2855.4	3023.2	3191.1	3289.6	3191.1
45°	3421.7	3229.6	3037.3	3008.7	2980.0	3257.9	3535.7	3811.6	4087.4	4254.9	4087.4
47.5°	3866.3	3679.3	3492.3	3486.5	3480.7	3881.6	4282.2	4686.0	5089.7	5326.8	5089.7
50°	4449.0	4218.1	3987.1	3988.2	3989.1	4505.7	5022.2	5555.2	6088.2	6410.5	6088.2
52.5°	5117.8	4838.2	4558.7	4530.4	4502.1	5119.1	5736.1	6395.6	7055.0	7441.2	7055.0
55°	5830.0	5553.8	5277.5	5167.2	5057.0	5743.8	6430.4	7216.5	8002.7	8462.1	8002.7
57.5°	6477.7	6327.3	6176.8	5955.8	5734.7	6428.1	7121.5	8011.9	8902.3	9471.9	8902.3
60°	6869.2	7102.8	7336.5	7062.0	6787.6	7443.8	8100.0	9053.3	10006.6	10622.3	10006.6
62.5°	6670.4	7308.9	7947.4	7916.5	7885.4	8486.6	9087.8	9994.8	10901.7	11470.8	10901.7
65°	6272.6	6871.8	7471.0	7589.6	7708.1	8472.0	9236.1	10115.5	10995.0	11479.5	10995.0
67.5°	5739.5	6309.4	6879.4	6934.9	6990.5	7786.4	8582.3	9465.7	10348.9	10728.5	10348.9
70°	5099.0	5718.9	6338.9	6363.7	6388.6	7100.4	7812.1	8572.3	9332.4	9543.4	9332.4
72.5°	4335.8	5047.2	5758.7	5776.5	5794.3	6351.2	6908.1	7477.4	8046.7	8068.0	8046.7
75°	3370.3	4106.6	4842.9	4909.0	4975.1	5408.3	5841.6	6242.4	6643.1	6535.8	6643.1
77.5°	2408.0	3095.3	3782.7	3877.3	3971.9	4301.3	4630.6	4914.9	5199.1	5014.6	5199.1
80°	1576.0	2154.2	2732.4	2850.0	2967.7	3216.4	3465.0	3614.4	3763.5	3466.7	3763.5
82.5°	916.1	1311.5	1706.8	1838.1	1969.5	2140.8	2312.0	2374.2	2436.4	2203.1	2436.4
85°	403.0	612.8	822.7	934.4	1046.1	1186.8	1327.5	1362.8	1398.2	1211.2	1398.2
87.5°	124.7	195.3	265.8	328.1	390.5	460.8	531.2	534.2	537.1	451.0	537.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1669.5	1666.9	1661.6	1656.4	1647.7	1638.9	1632.7	1626.6	1614.1	1601.6	1588.3
5°	1865.1	1858.1	1846.5	1834.9	1813.5	1792.1	1770.6	1749.0	1721.4	1693.9	1666.3
7.5°	2053.4	2043.1	2024.1	2005.1	1973.6	1942.1	1907.1	1872.1	1826.6	1781.1	1739.1
10°	2177.8	2167.9	2145.6	2123.2	2086.2	2049.3	2007.8	1966.4	1908.9	1851.4	1795.8
12.5°	2218.6	2213.2	2196.9	2180.7	2147.4	2113.9	2069.1	2024.1	1960.9	1897.8	1834.9
15°	2174.0	2179.9	2179.3	2178.6	2157.6	2136.7	2098.0	2059.2	1993.3	1927.5	1859.2
17.5°	2063.5	2085.1	2108.5	2132.1	2131.7	2131.3	2105.1	2078.9	2012.2	1945.3	1870.9
20°	1922.3	1960.1	2012.0	2063.8	2091.4	2119.0	2109.9	2100.7	2031.3	1961.8	1880.0
22.5°	1787.9	1835.2	1911.5	1987.9	2045.0	2102.1	2114.0	2126.0	2055.0	1984.1	1892.3
25°	1674.5	1724.3	1816.9	1909.6	1996.3	2083.0	2120.7	2158.4	2089.0	2019.5	1914.6
27.5°	1583.6	1632.5	1735.2	1837.9	1952.7	2067.6	2135.2	2202.6	2136.3	2070.0	1949.4
30°	1518.8	1564.1	1671.2	1778.2	1919.6	2061.0	2161.5	2262.1	2198.0	2133.9	1994.5
32.5°	1500.3	1535.9	1636.4	1737.0	1897.0	2056.9	2194.5	2332.3	2268.8	2205.5	2041.6
35°	1599.3	1607.6	1677.4	1747.2	1913.9	2080.5	2249.1	2417.6	2356.9	2296.1	2095.2
37.5°	1890.7	1852.7	1857.2	1861.8	2013.3	2164.7	2363.0	2561.3	2483.9	2406.4	2155.3
40°	2373.1	2280.8	2201.3	2121.8	2234.4	2347.0	2562.7	2778.4	2665.5	2552.7	2231.5
42.5°	3023.2	2855.4	2682.0	2508.6	2573.5	2638.4	2852.3	3066.2	2903.3	2740.4	2331.3
45°	3811.6	3535.7	3257.9	2980.0	3008.7	3037.3	3229.6	3421.7	3202.0	2982.3	2462.6
47.5°	4686.0	4282.2	3881.6	3480.7	3486.5	3492.3	3679.3	3866.3	3557.1	3247.8	2602.5
50°	5555.2	5022.2	4505.7	3989.1	3988.2	3987.1	4218.1	4449.0	3982.8	3516.7	2732.2
52.5°	6395.6	5736.1	5119.1	4502.1	4530.4	4558.7	4838.2	5117.8	4430.2	3742.4	2816.5
55°	7216.5	6430.4	5743.8	5057.0	5167.2	5277.5	5553.8	5830.0	4826.6	3823.4	2797.9
57.5°	8011.9	7121.5	6428.1	5734.7	5955.8	6176.8	6327.3	6477.7	5107.7	3737.6	2667.3
60°	9053.3	8100.0	7443.8	6787.6	7062.0	7336.5	7102.8	6869.2	5177.9	3486.5	2424.0
62.5°	9994.8	9087.8	8486.6	7885.4	7916.5	7947.4	7308.9	6670.4	4882.2	3094.0	2095.1
65°	10115.5	9236.1	8472.0	7708.1	7589.6	7471.0	6871.8	6272.6	4463.8	2655.0	1759.5
67.5°	9465.7	8582.3	7786.4	6990.5	6934.9	6879.4	6309.4	5739.5	3965.8	2192.3	1430.8
70°	8572.3	7812.1	7100.4	6388.6	6363.7	6338.9	5718.9	5099.0	3422.6	1746.1	1126.6
72.5°	7477.4	6908.1	6351.2	5794.3	5776.5	5758.7	5047.2	4335.8	2833.6	1331.4	861.2
75°	6242.4	5841.6	5408.3	4975.1	4909.0	4842.9	4106.6	3370.3	2158.4	946.5	625.0
77.5°	4914.9	4630.6	4301.3	3971.9	3877.3	3782.7	3095.3	2408.0	1510.6	613.4	423.5
80°	3614.4	3465.0	3216.4	2967.7	2850.0	2732.4	2154.2	1576.0	973.3	370.5	272.9
82.5°	2374.2	2312.0	2140.8	1969.5	1838.1	1706.8	1311.5	916.1	563.3	210.5	167.9
85°	1362.8	1327.5	1186.8	1046.1	934.4	822.7	612.8	403.0	253.4	103.7	89.7
87.5°	534.2	531.2	460.8	390.5	328.1	265.8	195.3	124.7	83.0	41.2	37.2
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°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1575.0	1561.7	1548.4	1535.6	1522.8	1510.4	1496.7	1485.5	1474.5	1464.4	1454.5
5°	1638.9	1611.2	1583.6	1557.8	1532.0	1507.6	1483.5	1462.5	1441.4	1423.7	1406.2
7.5°	1697.1	1656.1	1615.2	1579.2	1543.1	1509.9	1478.8	1450.8	1422.8	1399.6	1376.4
10°	1740.3	1690.6	1640.9	1598.3	1555.5	1514.5	1481.0	1451.6	1422.1	1398.8	1375.7
12.5°	1771.9	1713.3	1654.7	1606.5	1558.2	1515.2	1483.9	1459.8	1435.7	1420.3	1405.0
15°	1791.0	1723.4	1656.0	1600.1	1544.3	1496.5	1471.6	1460.0	1448.5	1450.6	1452.7
17.5°	1796.4	1718.1	1639.7	1572.6	1505.4	1449.2	1433.9	1438.1	1442.3	1467.6	1492.9
20°	1798.2	1703.2	1608.2	1525.0	1441.8	1376.4	1372.4	1392.1	1411.8	1455.7	1499.7
22.5°	1800.5	1685.0	1569.5	1469.2	1369.0	1294.6	1302.5	1331.7	1360.9	1411.0	1461.3
25°	1809.6	1667.0	1524.4	1407.0	1289.7	1213.3	1234.8	1268.4	1302.1	1347.2	1392.4
27.5°	1828.8	1655.0	1481.1	1350.0	1218.9	1149.4	1175.6	1208.1	1240.6	1277.7	1314.7
30°	1855.0	1649.3	1443.5	1302.5	1161.3	1103.0	1123.5	1149.3	1175.2	1205.9	1236.7
32.5°	1877.7	1642.4	1407.0	1261.5	1115.8	1068.8	1077.9	1093.2	1108.4	1132.9	1157.6
35°	1894.3	1629.2	1364.4	1221.1	1077.8	1038.6	1034.8	1039.0	1043.2	1062.0	1080.7
37.5°	1904.1	1606.8	1309.4	1173.6	1037.7	1003.5	989.6	985.0	980.4	993.8	1007.3
40°	1910.4	1575.8	1241.5	1116.9	992.5	961.4	940.2	929.7	919.2	929.0	938.6
42.5°	1922.2	1544.0	1165.9	1054.4	943.0	914.4	887.8	873.8	859.9	867.8	875.7
45°	1942.9	1514.3	1085.8	988.1	890.3	861.3	835.5	821.8	808.4	815.0	821.7
47.5°	1957.0	1489.8	1022.5	935.5	848.5	811.1	788.8	777.5	766.1	772.3	778.6
50°	1947.8	1463.1	978.5	900.7	822.9	773.7	747.8	737.7	727.6	737.5	747.2
52.5°	1890.6	1418.0	945.5	877.7	810.0	753.4	717.3	707.2	697.3	712.1	726.6
55°	1772.5	1343.3	914.0	861.0	808.0	755.4	701.0	685.2	669.5	690.3	711.0
57.5°	1596.9	1237.9	878.7	841.3	803.8	757.4	691.3	668.3	645.2	667.7	690.1
60°	1361.5	1101.0	840.5	811.1	781.7	751.0	682.0	652.3	622.5	642.2	661.7
62.5°	1096.2	937.3	778.2	758.6	739.1	735.3	671.4	634.2	597.0	609.4	621.9
65°	864.1	789.9	715.7	706.4	697.2	697.6	648.8	609.3	569.7	574.5	579.2
67.5°	669.3	648.2	627.1	632.3	637.3	636.1	608.7	575.7	542.7	541.3	539.8
70°	507.0	513.0	519.0	542.9	566.7	566.7	557.8	534.3	510.9	505.6	500.4
72.5°	391.0	409.3	427.4	461.4	495.2	500.9	501.0	484.9	468.8	461.1	453.6
75°	303.7	320.1	336.6	374.5	412.6	438.8	436.5	424.2	411.7	404.5	397.1
77.5°	233.8	245.0	256.2	293.0	329.9	373.2	372.1	362.1	352.2	344.7	337.3
80°	175.3	179.9	184.6	215.8	246.9	298.6	298.5	290.2	281.8	275.5	269.3
82.5°	125.3	126.1	127.0	150.0	172.9	217.1	219.5	215.5	211.4	206.9	202.5
85°	75.7	75.3	74.8	91.7	108.5	141.3	144.5	140.1	135.8	130.9	126.0
87.5°	33.2	32.8	32.4	39.3	46.1	59.8	63.9	62.1	60.4	59.4	58.5
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: P960905

CATALOG NUMBER: NAV-SB1D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1445.7	1436.9	1428.1	1419.3	1412.6	1405.7	1400.1	1394.7	1390.4	1386.1	1382.1
5°	1390.6	1375.0	1361.0	1346.7	1336.0	1325.0	1317.4	1309.8	1304.4	1299.0	1294.9
7.5°	1356.8	1337.2	1319.9	1302.7	1289.8	1276.8	1267.8	1258.7	1252.6	1246.4	1242.7
10°	1354.5	1333.4	1314.0	1294.6	1279.1	1263.6	1253.6	1243.3	1237.5	1231.5	1228.5
12.5°	1388.4	1372.0	1351.8	1331.7	1312.0	1292.2	1279.2	1266.1	1259.5	1253.1	1250.4
15°	1448.4	1444.1	1426.7	1409.2	1381.1	1353.0	1333.1	1313.3	1304.2	1295.2	1291.7
17.5°	1506.3	1519.8	1505.6	1491.6	1454.4	1417.2	1388.0	1358.7	1345.2	1331.7	1327.3
20°	1527.9	1556.1	1549.5	1542.9	1500.4	1458.0	1422.1	1386.2	1369.0	1351.8	1346.2
22.5°	1497.9	1534.5	1538.5	1542.4	1501.7	1461.1	1424.2	1387.2	1369.1	1350.8	1344.8
25°	1428.4	1464.4	1477.9	1491.3	1458.0	1424.7	1391.8	1359.1	1343.4	1327.7	1321.9
27.5°	1343.6	1372.5	1387.4	1402.5	1378.7	1355.0	1329.6	1304.1	1293.6	1283.0	1280.3
30°	1260.6	1284.7	1296.8	1309.0	1291.0	1272.9	1254.7	1236.4	1230.9	1225.5	1225.5
32.5°	1180.6	1203.7	1217.1	1230.7	1214.1	1197.5	1182.8	1168.3	1164.8	1161.2	1161.7
35°	1103.4	1126.3	1142.5	1158.8	1146.9	1135.1	1121.7	1108.2	1102.9	1097.5	1096.3
37.5°	1029.9	1052.7	1072.8	1092.9	1087.4	1082.0	1069.6	1057.2	1047.3	1037.6	1032.5
40°	960.5	982.5	1005.6	1028.7	1030.1	1031.4	1020.8	1010.3	996.1	982.0	972.3
42.5°	896.5	917.3	942.3	967.2	973.9	980.6	971.7	962.9	945.2	927.4	913.5
45°	841.4	861.2	887.0	913.0	922.5	932.1	924.1	916.1	895.8	875.7	859.3
47.5°	798.0	817.2	842.8	868.3	879.2	890.3	884.8	879.1	861.2	843.2	828.0
50°	765.5	783.6	806.5	829.3	843.6	857.7	857.3	857.1	842.8	828.3	814.3
52.5°	743.3	760.0	781.4	802.7	819.5	836.2	839.3	842.2	830.6	818.8	806.3
55°	729.1	747.1	765.8	784.4	802.2	820.0	824.2	828.3	818.2	807.9	796.8
57.5°	711.2	732.4	750.8	769.3	787.2	805.1	809.3	813.5	803.3	792.9	782.0
60°	686.0	710.3	729.0	747.8	765.8	783.8	788.4	793.1	783.0	773.0	761.7
62.5°	650.2	678.4	698.5	718.5	735.0	751.5	755.9	760.4	751.3	742.2	730.3
65°	609.6	639.9	659.1	678.1	692.7	707.2	711.8	716.3	707.6	698.7	687.3
67.5°	567.7	595.7	614.0	632.0	644.6	657.1	661.5	666.0	657.9	650.0	639.2
70°	525.0	549.6	565.3	581.0	592.2	603.6	607.9	612.2	605.7	599.1	588.9
72.5°	472.9	492.3	506.5	520.6	531.7	542.7	547.9	553.0	547.6	542.1	532.3
75°	411.5	425.9	438.7	451.5	461.7	471.7	477.0	482.5	479.7	477.0	468.9
77.5°	349.0	360.7	371.8	382.7	393.4	404.0	409.0	413.9	410.2	406.4	398.1
80°	279.0	288.7	298.1	307.3	315.4	323.4	330.0	336.6	335.0	333.4	322.4
82.5°	201.7	200.9	197.7	194.4	211.6	228.8	240.1	251.3	250.6	249.9	240.5
85°	121.8	117.6	108.5	99.5	115.6	131.7	145.7	159.6	158.5	157.2	150.0
87.5°	58.3	58.1	51.4	44.4	51.1	57.9	63.6	69.2	67.8	66.3	62.5
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: P960905

CATALOG NUMBER: NAV-SB1D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1378.1	1373.2	1378.1	1382.1	1386.1	1390.4	1394.7	1400.1	1405.7	1412.6	1419.3
5°	1290.8	1286.7	1290.8	1294.9	1299.0	1304.4	1309.8	1317.4	1325.0	1336.0	1346.7
7.5°	1239.0	1236.3	1239.0	1242.7	1246.4	1252.6	1258.7	1267.8	1276.8	1289.8	1302.7
10°	1225.3	1224.1	1225.3	1228.5	1231.5	1237.5	1243.3	1253.6	1263.6	1279.1	1294.6
12.5°	1247.7	1247.2	1247.7	1250.4	1253.1	1259.5	1266.1	1279.2	1292.2	1312.0	1331.7
15°	1288.2	1287.9	1288.2	1291.7	1295.2	1304.2	1313.3	1333.1	1353.0	1381.1	1409.2
17.5°	1322.9	1322.1	1322.9	1327.3	1331.7	1345.2	1358.7	1388.0	1417.2	1454.4	1491.6
20°	1340.7	1339.0	1340.7	1346.2	1351.8	1369.0	1386.2	1422.1	1458.0	1500.4	1542.9
22.5°	1338.6	1336.1	1338.6	1344.8	1350.8	1369.1	1387.2	1424.2	1461.1	1501.7	1542.4
25°	1316.2	1312.8	1316.2	1321.9	1327.7	1343.4	1359.1	1391.8	1424.7	1458.0	1491.3
27.5°	1277.8	1276.8	1277.8	1280.3	1283.0	1293.6	1304.1	1329.6	1355.0	1378.7	1402.5
30°	1225.5	1226.4	1225.5	1225.5	1225.5	1230.9	1236.4	1254.7	1272.9	1291.0	1309.0
32.5°	1162.2	1163.1	1162.2	1161.7	1161.2	1164.8	1168.3	1182.8	1197.5	1214.1	1230.7
35°	1095.2	1094.6	1095.2	1096.3	1097.5	1102.9	1108.2	1121.7	1135.1	1146.9	1158.8
37.5°	1027.3	1024.4	1027.3	1032.5	1037.6	1047.3	1057.2	1069.6	1082.0	1087.4	1092.9
40°	962.8	957.0	962.8	972.3	982.0	996.1	1010.3	1020.8	1031.4	1030.1	1028.7
42.5°	899.4	890.3	899.4	913.5	927.4	945.2	962.9	971.7	980.6	973.9	967.2
45°	842.9	832.3	842.9	859.3	875.7	895.8	916.1	924.1	932.1	922.5	913.0
47.5°	812.8	802.7	812.8	828.0	843.2	861.2	879.1	884.8	890.3	879.2	868.3
50°	800.2	790.5	800.2	814.3	828.3	842.8	857.1	857.3	857.7	843.6	829.3
52.5°	793.7	784.6	793.7	806.3	818.8	830.6	842.2	839.3	836.2	819.5	802.7
55°	785.9	777.8	785.9	796.8	807.9	818.2	828.3	824.2	820.0	802.2	784.4
57.5°	771.0	762.6	771.0	782.0	792.9	803.3	813.5	809.3	805.1	787.2	769.3
60°	750.4	741.7	750.4	761.7	773.0	783.0	793.1	788.4	783.8	765.8	747.8
62.5°	718.5	708.1	718.5	730.3	742.2	751.3	760.4	755.9	751.5	735.0	718.5
65°	675.9	666.9	675.9	687.3	698.7	707.6	716.3	711.8	707.2	692.7	678.1
67.5°	628.5	620.4	628.5	639.2	650.0	657.9	666.0	661.5	657.1	644.6	632.0
70°	578.6	569.4	578.6	588.9	599.1	605.7	612.2	607.9	603.6	592.2	581.0
72.5°	522.6	513.6	522.6	532.3	542.1	547.6	553.0	547.9	542.7	531.7	520.6
75°	460.7	452.1	460.7	468.9	477.0	479.7	482.5	477.0	471.7	461.7	451.5
77.5°	389.9	383.0	389.9	398.1	406.4	410.2	413.9	409.0	404.0	393.4	382.7
80°	311.2	298.3	311.2	322.4	333.4	335.0	336.6	330.0	323.4	315.4	307.3
82.5°	231.1	222.8	231.1	240.5	249.9	250.6	251.3	240.1	228.8	211.6	194.4
85°	142.7	135.2	142.7	150.0	157.2	158.5	159.6	145.7	131.7	115.6	99.5
87.5°	58.7	55.1	58.7	62.5	66.3	67.8	69.2	63.6	57.9	51.1	44.4
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: P960905

CATALOG NUMBER: NAV-SB1D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1428.1	1436.9	1445.7	1454.5	1464.4	1474.5	1485.5	1496.7	1510.4	1522.8	1535.6
5°	1361.0	1375.0	1390.6	1406.2	1423.7	1441.4	1462.5	1483.5	1507.6	1532.0	1557.8
7.5°	1319.9	1337.2	1356.8	1376.4	1399.6	1422.8	1450.8	1478.8	1509.9	1543.1	1579.2
10°	1314.0	1333.4	1354.5	1375.7	1398.8	1422.1	1451.6	1481.0	1514.5	1555.5	1598.3
12.5°	1351.8	1372.0	1388.4	1405.0	1420.3	1435.7	1459.8	1483.9	1515.2	1558.2	1606.5
15°	1426.7	1444.1	1448.4	1452.7	1450.6	1448.5	1460.0	1471.6	1496.5	1544.3	1600.1
17.5°	1505.6	1519.8	1506.3	1492.9	1467.6	1442.3	1438.1	1433.9	1449.2	1505.4	1572.6
20°	1549.5	1556.1	1527.9	1499.7	1455.7	1411.8	1392.1	1372.4	1376.4	1441.8	1525.0
22.5°	1538.5	1534.5	1497.9	1461.3	1411.0	1360.9	1331.7	1302.5	1294.6	1369.0	1469.2
25°	1477.9	1464.4	1428.4	1392.4	1347.2	1302.1	1268.4	1234.8	1213.3	1289.7	1407.0
27.5°	1387.4	1372.5	1343.6	1314.7	1277.7	1240.6	1208.1	1175.6	1149.4	1218.9	1350.0
30°	1296.8	1284.7	1260.6	1236.7	1205.9	1175.2	1149.3	1123.5	1103.0	1161.3	1302.5
32.5°	1217.1	1203.7	1180.6	1157.6	1132.9	1108.4	1093.2	1077.9	1068.8	1115.8	1261.5
35°	1142.5	1126.3	1103.4	1080.7	1062.0	1043.2	1039.0	1034.8	1038.6	1077.8	1221.1
37.5°	1072.8	1052.7	1029.9	1007.3	993.8	980.4	985.0	989.6	1003.5	1037.7	1173.6
40°	1005.6	982.5	960.5	938.6	929.0	919.2	929.7	940.2	961.4	992.5	1116.9
42.5°	942.3	917.3	896.5	875.7	867.8	859.9	873.8	887.8	914.4	943.0	1054.4
45°	887.0	861.2	841.4	821.7	815.0	808.4	821.8	835.5	861.3	890.3	988.1
47.5°	842.8	817.2	798.0	778.6	772.3	766.1	777.5	788.8	811.1	848.5	935.5
50°	806.5	783.6	765.5	747.2	737.5	727.6	737.7	747.8	773.7	822.9	900.7
52.5°	781.4	760.0	743.3	726.6	712.1	697.3	707.2	717.3	753.4	810.0	877.7
55°	765.8	747.1	729.1	711.0	690.3	669.5	685.2	701.0	755.4	808.0	861.0
57.5°	750.8	732.4	711.2	690.1	667.7	645.2	668.3	691.3	757.4	803.8	841.3
60°	729.0	710.3	686.0	661.7	642.2	622.5	652.3	682.0	751.0	781.7	811.1
62.5°	698.5	678.4	650.2	621.9	609.4	597.0	634.2	671.4	735.3	739.1	758.6
65°	659.1	639.9	609.6	579.2	574.5	569.7	609.3	648.8	697.6	697.2	706.4
67.5°	614.0	595.7	567.7	539.8	541.3	542.7	575.7	608.7	636.1	637.3	632.3
70°	565.3	549.6	525.0	500.4	505.6	510.9	534.3	557.8	566.7	566.7	542.9
72.5°	506.5	492.3	472.9	453.6	461.1	468.8	484.9	501.0	500.9	495.2	461.4
75°	438.7	425.9	411.5	397.1	404.5	411.7	424.2	436.5	438.8	412.6	374.5
77.5°	371.8	360.7	349.0	337.3	344.7	352.2	362.1	372.1	373.2	329.9	293.0
80°	298.1	288.7	279.0	269.3	275.5	281.8	290.2	298.5	298.6	246.9	215.8
82.5°	197.7	200.9	201.7	202.5	206.9	211.4	215.5	219.5	217.1	172.9	150.0
85°	108.5	117.6	121.8	126.0	130.9	135.8	140.1	144.5	141.3	108.5	91.7
87.5°	51.4	58.1	58.3	58.5	59.4	60.4	62.1	63.9	59.8	46.1	39.3
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: P960905

CATALOG NUMBER: NAV-SB1D-740-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5	1512.5
2.5°	1548.4	1561.7	1575.0	1588.3	1601.6	1614.1	1626.6
5°	1583.6	1611.2	1638.9	1666.3	1693.9	1721.4	1749.0
7.5°	1615.2	1656.1	1697.1	1739.1	1781.1	1826.6	1872.1
10°	1640.9	1690.6	1740.3	1795.8	1851.4	1908.9	1966.4
12.5°	1654.7	1713.3	1771.9	1834.9	1897.8	1960.9	2024.1
15°	1656.0	1723.4	1791.0	1859.2	1927.5	1993.3	2059.2
17.5°	1639.7	1718.1	1796.4	1870.9	1945.3	2012.2	2078.9
20°	1608.2	1703.2	1798.2	1880.0	1961.8	2031.3	2100.7
22.5°	1569.5	1685.0	1800.5	1892.3	1984.1	2055.0	2126.0
25°	1524.4	1667.0	1809.6	1914.6	2019.5	2089.0	2158.4
27.5°	1481.1	1655.0	1828.8	1949.4	2070.0	2136.3	2202.6
30°	1443.5	1649.3	1855.0	1994.5	2133.9	2198.0	2262.1
32.5°	1407.0	1642.4	1877.7	2041.6	2205.5	2268.8	2332.3
35°	1364.4	1629.2	1894.3	2095.2	2296.1	2356.9	2417.6
37.5°	1309.4	1606.8	1904.1	2155.3	2406.4	2483.9	2561.3
40°	1241.5	1575.8	1910.4	2231.5	2552.7	2665.5	2778.4
42.5°	1165.9	1544.0	1922.2	2331.3	2740.4	2903.3	3066.2
45°	1085.8	1514.3	1942.9	2462.6	2982.3	3202.0	3421.7
47.5°	1022.5	1489.8	1957.0	2602.5	3247.8	3557.1	3866.3
50°	978.5	1463.1	1947.8	2732.2	3516.7	3982.8	4449.0
52.5°	945.5	1418.0	1890.6	2816.5	3742.4	4430.2	5117.8
55°	914.0	1343.3	1772.5	2797.9	3823.4	4826.6	5830.0
57.5°	878.7	1237.9	1596.9	2667.3	3737.6	5107.7	6477.7
60°	840.5	1101.0	1361.5	2424.0	3486.5	5177.9	6869.2
62.5°	778.2	937.3	1096.2	2095.1	3094.0	4882.2	6670.4
65°	715.7	789.9	864.1	1759.5	2655.0	4463.8	6272.6
67.5°	627.1	648.2	669.3	1430.8	2192.3	3965.8	5739.5
70°	519.0	513.0	507.0	1126.6	1746.1	3422.6	5099.0
72.5°	427.4	409.3	391.0	861.2	1331.4	2833.6	4335.8
75°	336.6	320.1	303.7	625.0	946.5	2158.4	3370.3
77.5°	256.2	245.0	233.8	423.5	613.4	1510.6	2408.0
80°	184.6	179.9	175.3	272.9	370.5	973.3	1576.0
82.5°	127.0	126.1	125.3	167.9	210.5	563.3	916.1
85°	74.8	75.3	75.7	89.7	103.7	253.4	403.0
87.5°	32.4	32.8	33.2	37.2	41.2	83.0	124.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)