

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: P963945

Luminaire Tested: **NAV-SB3B-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963945
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-SB3B-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14254.7 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

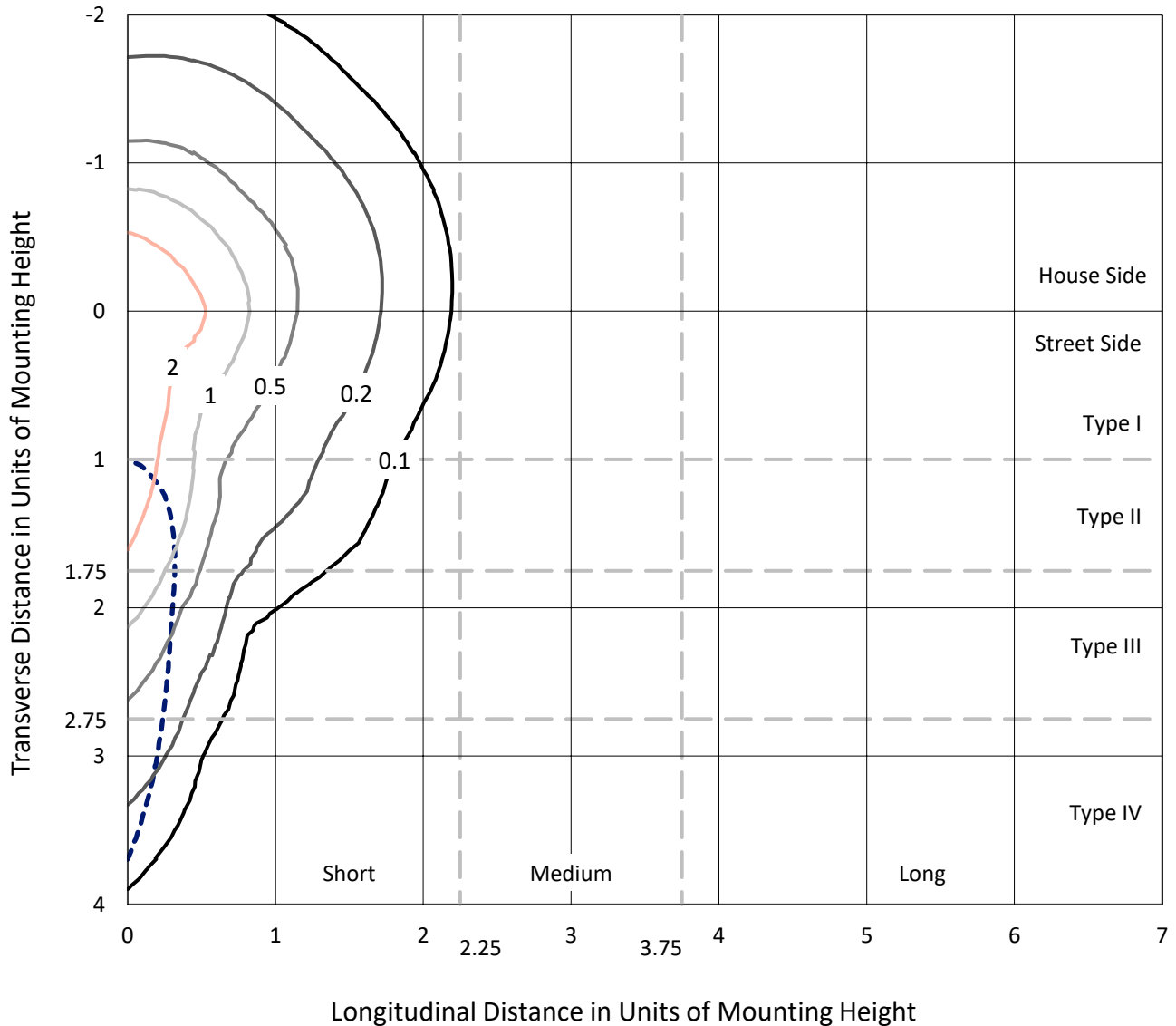
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

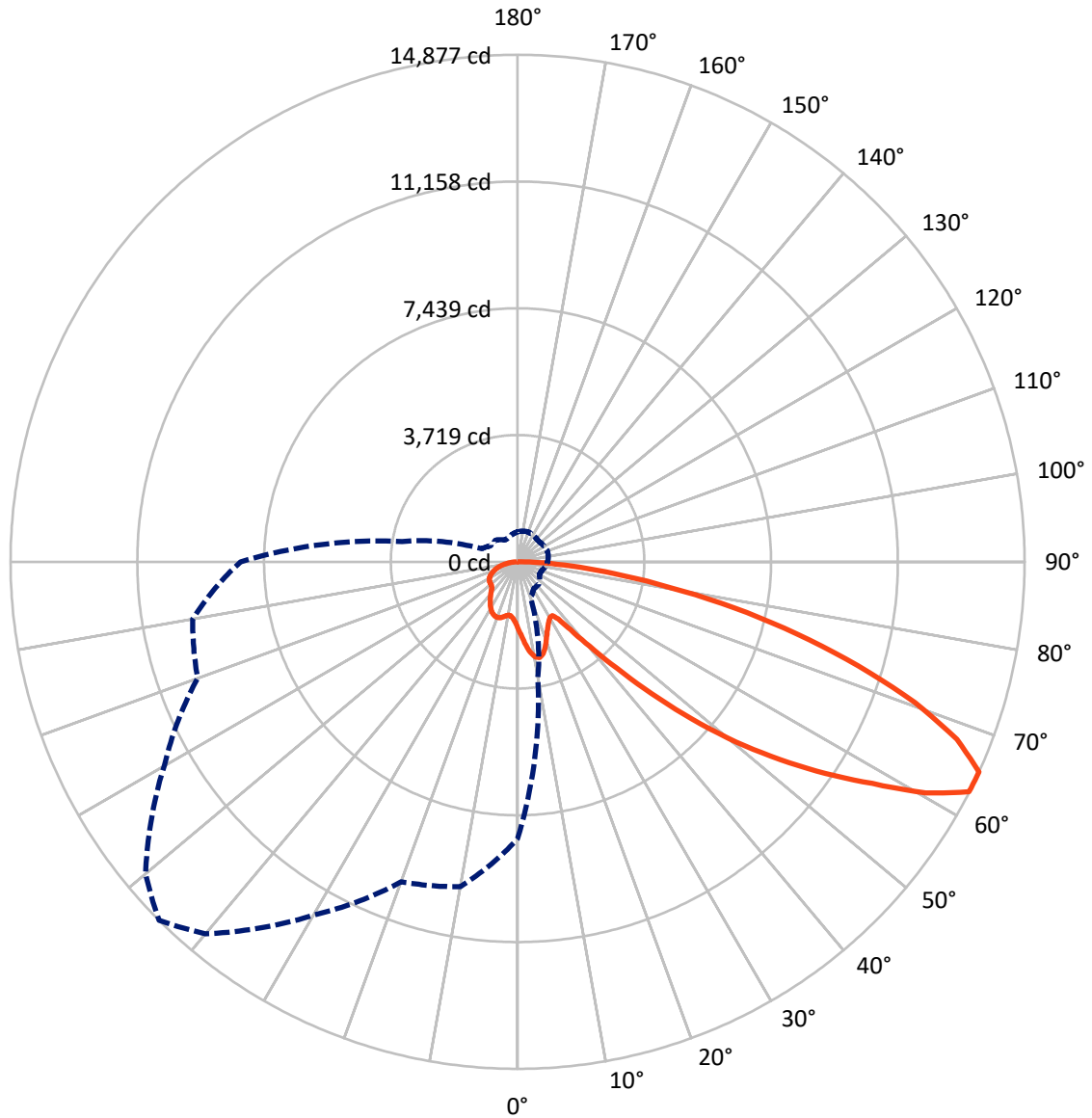
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P963945
CATALOG NUMBER: NAV-SB3B-722-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

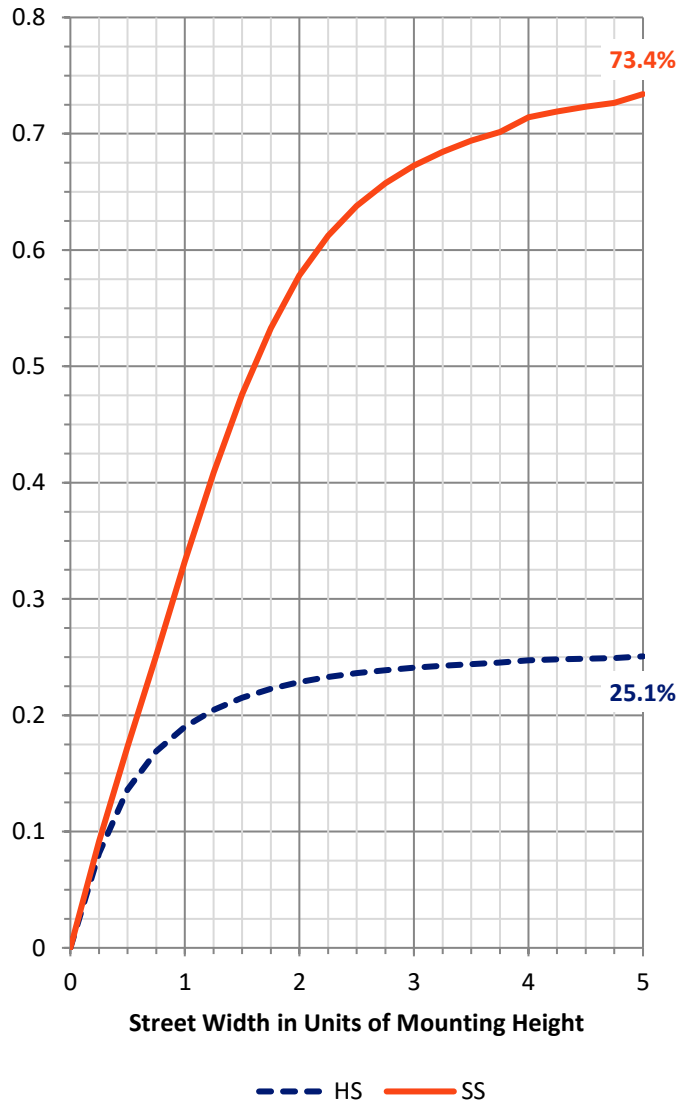
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3622.8	0.0	3622.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	10631.8	0.0	10631.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	14254.7	0.0	14254.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.4	1.4
10°-20°	610.4	4.3
20°-30°	942.9	6.6
30°-40°	1194.8	8.4
40°-50°	1802.1	12.6
50°-60°	2911.6	20.4
60°-70°	3629.8	25.5
70°-80°	2380.2	16.7
80°-90°	588.4	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°	14254.7	100.0
0°-180°	14254.7	100.0

Coefficient of Utilization



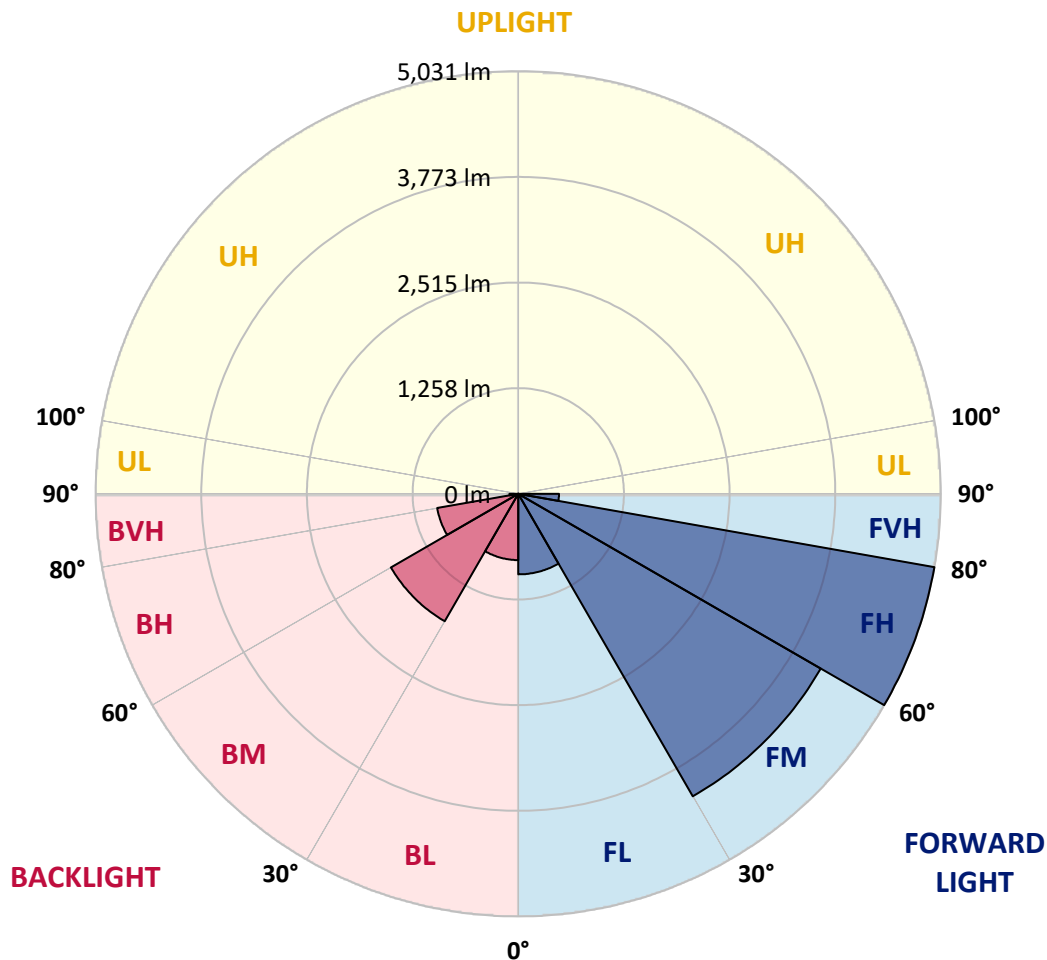
REPORT NUMBER: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	958.8	6.7			
FM (30°-60°)	4157.8	29.2			
FH (60°-80°)	5030.5	35.3			G3/7500
FVH (80°-90°)	484.8	3.4			G3/500
BL (0°-30°)	788.9	5.5	B2/1000		
BM (30°-60°)	1750.8	12.3	B2/2500		
BH (60°-80°)	979.4	6.9	B2/1000		G2/1000
BVH (80°-90°)	103.7	0.7			G2/225
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



REPORT NUMBER: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	2107.9	2091.8	2075.6	2058.4	2041.2	2024.0	2006.6	1990.0	1973.5	1957.5	1939.7
5°	2266.7	2230.9	2195.2	2159.6	2124.0	2088.1	2052.3	2018.8	1985.3	1953.8	1922.5
7.5°	2426.1	2367.1	2308.2	2253.8	2199.3	2146.4	2093.3	2046.5	1999.9	1956.7	1916.3
10°	2548.4	2473.8	2399.2	2327.3	2255.4	2190.9	2126.6	2071.3	2016.0	1962.8	1919.4
12.5°	2623.2	2541.3	2459.4	2377.9	2296.3	2220.4	2144.4	2081.9	2019.5	1963.5	1923.1
15°	2668.7	2583.3	2497.9	2409.5	2321.0	2233.6	2146.0	2073.7	2001.3	1939.5	1907.1
17.5°	2694.2	2607.7	2521.1	2424.6	2328.1	2226.6	2125.0	2038.0	1951.0	1878.1	1858.2
20°	2722.5	2632.5	2542.5	2436.4	2330.3	2207.3	2084.2	1976.4	1868.6	1783.8	1778.5
22.5°	2755.2	2663.3	2571.3	2452.3	2333.4	2183.7	2034.0	1904.1	1774.2	1677.7	1688.0
25°	2797.3	2707.2	2617.1	2481.2	2345.2	2160.4	1975.6	1823.4	1671.3	1572.4	1600.2
27.5°	2854.4	2768.5	2682.6	2526.4	2370.1	2144.8	1919.5	1749.6	1579.7	1489.6	1523.6
30°	2931.6	2848.5	2765.6	2584.8	2404.0	2137.5	1870.8	1688.0	1505.1	1429.5	1456.0
32.5°	3022.6	2940.3	2858.2	2645.8	2433.5	2128.5	1823.4	1634.8	1446.1	1385.1	1396.9
35°	3133.1	3054.5	2975.7	2715.3	2454.9	2111.5	1768.2	1582.5	1396.8	1346.0	1341.1
37.5°	3319.3	3219.0	3118.7	2793.1	2467.7	2082.4	1697.0	1521.0	1344.9	1300.5	1282.6
40°	3600.6	3454.4	3308.2	2892.0	2475.8	2042.3	1608.8	1447.5	1286.2	1246.0	1218.5
42.5°	3973.7	3762.7	3551.5	3021.3	2491.1	2000.9	1511.0	1366.5	1222.1	1185.0	1150.5
45°	4434.4	4149.7	3865.0	3191.4	2517.9	1962.5	1407.1	1280.5	1153.8	1116.2	1082.7
47.5°	5010.5	4609.8	4209.2	3372.7	2536.3	1930.7	1325.1	1212.4	1099.6	1051.1	1022.3
50°	5765.7	5161.7	4557.6	3540.9	2524.3	1896.1	1268.0	1167.2	1066.4	1002.7	969.1
52.5°	6632.6	5741.2	4850.0	3650.1	2450.2	1837.7	1225.3	1137.4	1049.6	976.3	929.6
55°	7555.5	6255.2	4954.8	3626.0	2297.1	1740.9	1184.5	1115.8	1047.1	979.0	908.5
57.5°	8395.0	6619.3	4843.7	3456.6	2069.6	1604.2	1138.8	1090.3	1041.7	981.5	895.8
60°	8902.2	6710.4	4518.4	3141.4	1764.4	1426.9	1089.3	1051.1	1013.0	973.3	884.0
62.5°	8644.6	6327.1	4009.6	2715.1	1420.6	1214.6	1008.5	983.2	957.9	952.9	870.1
65°	8129.0	5784.9	3440.8	2280.2	1119.8	1023.7	927.4	915.4	903.5	904.2	840.9
67.5°	7438.1	5139.7	2841.1	1854.2	867.4	840.1	812.7	819.4	826.0	824.4	788.8
70°	6608.2	4435.5	2262.9	1459.9	657.0	664.8	672.6	703.6	734.5	734.5	722.8
72.5°	5619.0	3672.3	1725.5	1116.1	506.8	530.3	554.0	597.9	641.8	649.1	649.2
75°	4367.8	2797.2	1226.6	810.1	393.5	414.9	436.2	485.4	534.6	568.7	565.8
77.5°	3120.7	1957.9	794.9	548.9	303.0	317.4	332.1	379.9	427.6	483.6	482.2
80°	2042.5	1261.4	480.2	353.6	227.1	233.2	239.2	279.6	320.0	386.9	386.7
82.5°	1187.3	730.0	272.9	217.5	162.4	163.4	164.6	194.3	224.2	281.3	284.4
85°	522.3	328.4	134.5	116.2	98.2	97.6	97.1	118.8	140.6	183.2	187.3
87.5°	161.7	107.5	53.4	48.2	43.0	42.5	41.9	50.8	59.8	77.5	82.7
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1925.3	1910.9	1897.9	1885.0	1873.6	1862.2	1850.7	1839.5	1830.6	1821.7	1814.6
5°	1895.3	1868.0	1845.1	1822.3	1802.2	1782.1	1763.7	1745.4	1731.3	1717.2	1707.3
7.5°	1880.2	1844.0	1813.8	1783.8	1758.4	1733.0	1710.6	1688.3	1671.5	1654.8	1643.1
10°	1881.2	1843.0	1812.9	1782.8	1755.5	1728.0	1702.9	1677.7	1657.7	1637.6	1624.5
12.5°	1891.8	1860.7	1840.7	1820.8	1799.3	1778.0	1751.8	1725.8	1700.3	1674.6	1657.7
15°	1892.2	1877.3	1880.0	1882.6	1877.1	1871.5	1848.9	1826.2	1789.9	1753.5	1727.7
17.5°	1863.8	1869.1	1901.9	1934.7	1952.2	1969.5	1951.3	1933.0	1884.9	1836.6	1798.8
20°	1804.1	1829.6	1886.6	1943.6	1980.1	2016.6	2008.1	1999.7	1944.5	1889.5	1843.0
22.5°	1725.8	1763.7	1828.7	1893.8	1941.2	1988.7	1993.8	1998.9	1946.3	1893.6	1845.7
25°	1643.9	1687.5	1745.9	1804.4	1851.2	1897.9	1915.3	1932.6	1889.5	1846.4	1803.8
27.5°	1565.6	1607.7	1655.8	1703.8	1741.3	1778.7	1798.2	1817.6	1786.9	1756.1	1723.1
30°	1489.4	1522.9	1562.8	1602.7	1633.7	1664.9	1680.7	1696.5	1673.1	1649.6	1626.1
32.5°	1416.7	1436.4	1468.3	1500.2	1530.0	1559.8	1577.4	1595.0	1573.5	1551.8	1533.0
35°	1346.5	1352.0	1376.3	1400.6	1430.0	1459.6	1480.6	1501.7	1486.4	1471.1	1453.7
37.5°	1276.5	1270.6	1288.0	1305.3	1334.8	1364.3	1390.3	1416.3	1409.3	1402.2	1386.2
40°	1204.9	1191.3	1203.9	1216.4	1244.9	1273.3	1303.2	1333.2	1335.0	1336.6	1323.0
42.5°	1132.4	1114.4	1124.5	1134.9	1161.8	1188.8	1221.2	1253.5	1262.1	1270.8	1259.3
45°	1065.2	1047.7	1056.2	1064.9	1090.5	1116.0	1149.6	1183.2	1195.6	1208.0	1197.6
47.5°	1007.6	992.8	1001.0	1009.0	1034.1	1059.0	1092.1	1125.2	1139.5	1153.8	1146.6
50°	956.1	943.1	955.7	968.4	992.0	1015.6	1045.2	1074.8	1093.2	1111.5	1111.1
52.5°	916.6	903.7	922.7	941.7	963.4	984.9	1012.6	1040.3	1062.0	1083.7	1087.6
55°	888.0	867.7	894.6	921.6	944.8	968.2	992.4	1016.6	1039.6	1062.6	1068.0
57.5°	866.0	836.3	865.3	894.3	921.7	949.0	973.0	997.0	1020.3	1043.4	1048.9
60°	845.3	806.7	832.2	857.6	889.1	920.4	944.8	969.1	992.5	1015.8	1021.8
62.5°	821.8	773.6	789.8	806.0	842.6	879.2	905.3	931.2	952.5	973.9	979.7
65°	789.7	738.2	744.5	750.7	790.0	829.2	854.1	878.9	897.7	916.6	922.5
67.5°	746.1	703.5	701.5	699.6	735.7	772.1	795.6	819.1	835.4	851.6	857.4
70°	692.5	662.0	655.3	648.5	680.4	712.3	732.6	753.0	767.6	782.3	787.8
72.5°	628.4	607.6	597.7	587.8	612.9	638.0	656.3	674.7	689.1	703.5	710.0
75°	549.7	533.6	524.2	514.7	533.3	552.0	568.6	585.2	598.3	611.3	618.3
77.5°	469.2	456.4	446.8	437.2	452.3	467.5	481.7	496.1	509.8	523.5	529.9
80°	376.0	365.2	357.1	349.0	361.6	374.2	386.2	398.3	408.8	419.1	427.6
82.5°	279.2	274.0	268.2	262.5	261.5	260.3	256.1	251.9	274.3	296.5	311.1
85°	181.6	176.0	169.6	163.2	157.8	152.3	140.6	128.9	149.9	170.8	188.8
87.5°	80.5	78.2	77.0	75.8	75.5	75.3	66.5	57.5	66.2	75.0	82.4
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1807.5	1801.8	1796.3	1791.2	1786.1	1779.6	1786.1	1791.2	1796.3	1801.8	1807.5
5°	1697.5	1690.5	1683.5	1678.1	1672.8	1667.6	1672.8	1678.1	1683.5	1690.5	1697.5
7.5°	1631.3	1623.3	1615.3	1610.5	1605.8	1602.1	1605.8	1610.5	1615.3	1623.3	1631.3
10°	1611.3	1603.7	1596.1	1592.0	1587.9	1586.3	1587.9	1592.0	1596.1	1603.7	1611.3
12.5°	1640.8	1632.3	1623.9	1620.4	1617.0	1616.4	1617.0	1620.4	1623.9	1632.3	1640.8
15°	1702.0	1690.2	1678.4	1673.9	1669.4	1669.0	1669.4	1673.9	1678.4	1690.2	1702.0
17.5°	1760.8	1743.3	1725.8	1720.2	1714.3	1713.4	1714.3	1720.2	1725.8	1743.3	1760.8
20°	1796.5	1774.2	1751.8	1744.7	1737.5	1735.2	1737.5	1744.7	1751.8	1774.2	1796.5
22.5°	1797.8	1774.3	1750.7	1742.8	1734.9	1731.5	1734.9	1742.8	1750.7	1774.3	1797.8
25°	1761.5	1741.0	1720.6	1713.1	1705.8	1701.4	1705.8	1713.1	1720.6	1741.0	1761.5
27.5°	1690.1	1676.4	1662.7	1659.3	1655.9	1654.8	1655.9	1659.3	1662.7	1676.4	1690.1
30°	1602.3	1595.3	1588.2	1588.2	1588.2	1589.4	1588.2	1588.2	1588.2	1595.3	1602.3
32.5°	1514.1	1509.5	1504.9	1505.5	1506.2	1507.4	1506.2	1505.5	1504.9	1509.5	1514.1
35°	1436.2	1429.3	1422.4	1420.9	1419.3	1418.6	1419.3	1420.9	1422.4	1429.3	1436.2
37.5°	1370.1	1357.3	1344.7	1338.0	1331.4	1327.6	1331.4	1338.0	1344.7	1357.3	1370.1
40°	1309.3	1290.9	1272.5	1260.0	1247.7	1240.4	1247.7	1260.0	1272.5	1290.9	1309.3
42.5°	1247.8	1224.9	1201.9	1183.9	1165.7	1153.8	1165.7	1183.9	1201.9	1224.9	1247.8
45°	1187.3	1161.0	1134.9	1113.6	1092.3	1078.6	1092.3	1113.6	1134.9	1161.0	1187.3
47.5°	1139.4	1116.0	1092.8	1073.1	1053.4	1040.3	1053.4	1073.1	1092.8	1116.0	1139.4
50°	1110.8	1092.1	1073.5	1055.2	1037.1	1024.5	1037.1	1055.2	1073.5	1092.1	1110.8
52.5°	1091.5	1076.4	1061.2	1044.8	1028.6	1016.9	1028.6	1044.8	1061.2	1076.4	1091.5
55°	1073.5	1060.3	1047.0	1032.7	1018.4	1007.9	1018.4	1032.7	1047.0	1060.3	1073.5
57.5°	1054.4	1041.0	1027.6	1013.4	999.3	988.3	999.3	1013.4	1027.6	1041.0	1054.4
60°	1027.9	1014.7	1001.7	987.2	972.5	961.2	972.5	987.2	1001.7	1014.7	1027.9
62.5°	985.4	973.6	961.9	946.5	931.2	917.7	931.2	946.5	961.9	973.6	985.4
65°	928.3	917.0	905.6	890.7	875.9	864.3	875.9	890.7	905.6	917.0	928.3
67.5°	863.2	852.7	842.2	828.4	814.6	804.1	814.6	828.4	842.2	852.7	863.2
70°	793.3	784.8	776.3	763.1	749.9	737.9	749.9	763.1	776.3	784.8	793.3
72.5°	716.7	709.6	702.5	689.9	677.3	665.6	677.3	689.9	702.5	709.6	716.7
75°	625.2	621.8	618.3	607.7	597.1	585.9	597.1	607.7	618.3	621.8	625.2
77.5°	536.5	531.7	526.6	516.0	505.3	496.4	505.3	516.0	526.6	531.7	536.5
80°	436.2	434.2	432.1	417.8	403.3	386.6	403.3	417.8	432.1	434.2	436.2
82.5°	325.6	324.8	323.8	311.7	299.5	288.8	299.5	311.7	323.8	324.8	325.6
85°	206.8	205.3	203.9	194.3	184.9	175.3	184.9	194.3	203.9	205.3	206.8
87.5°	89.7	87.8	85.9	81.1	76.2	71.4	76.2	81.1	85.9	87.8	89.7
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1814.6	1821.7	1830.6	1839.5	1850.7	1862.2	1873.6	1885.0	1897.9	1910.9	1925.3
5°	1707.3	1717.2	1731.3	1745.4	1763.7	1782.1	1802.2	1822.3	1845.1	1868.0	1895.3
7.5°	1643.1	1654.8	1671.5	1688.3	1710.6	1733.0	1758.4	1783.8	1813.8	1844.0	1880.2
10°	1624.5	1637.6	1657.7	1677.7	1702.9	1728.0	1755.5	1782.8	1812.9	1843.0	1881.2
12.5°	1657.7	1674.6	1700.3	1725.8	1751.8	1778.0	1799.3	1820.8	1840.7	1860.7	1891.8
15°	1727.7	1753.5	1789.9	1826.2	1848.9	1871.5	1877.1	1882.6	1880.0	1877.3	1892.2
17.5°	1798.8	1836.6	1884.9	1933.0	1951.3	1969.5	1952.2	1934.7	1901.9	1869.1	1863.8
20°	1843.0	1889.5	1944.5	1999.7	2008.1	2016.6	1980.1	1943.6	1886.6	1829.6	1804.1
22.5°	1845.7	1893.6	1946.3	1998.9	1993.8	1988.7	1941.2	1893.8	1828.7	1763.7	1725.8
25°	1803.8	1846.4	1889.5	1932.6	1915.3	1897.9	1851.2	1804.4	1745.9	1687.5	1643.9
27.5°	1723.1	1756.1	1786.9	1817.6	1798.2	1778.7	1741.3	1703.8	1655.8	1607.7	1565.6
30°	1626.1	1649.6	1673.1	1696.5	1680.7	1664.9	1633.7	1602.7	1562.8	1522.9	1489.4
32.5°	1533.0	1551.8	1573.5	1595.0	1577.4	1559.8	1530.0	1500.2	1468.3	1436.4	1416.7
35°	1453.7	1471.1	1486.4	1501.7	1480.6	1459.6	1430.0	1400.6	1376.3	1352.0	1346.5
37.5°	1386.2	1402.2	1409.3	1416.3	1390.3	1364.3	1334.8	1305.3	1288.0	1270.6	1276.5
40°	1323.0	1336.6	1335.0	1333.2	1303.2	1273.3	1244.9	1216.4	1203.9	1191.3	1204.9
42.5°	1259.3	1270.8	1262.1	1253.5	1221.2	1188.8	1161.8	1134.9	1124.5	1114.4	1132.4
45°	1197.6	1208.0	1195.6	1183.2	1149.6	1116.0	1090.5	1064.9	1056.2	1047.7	1065.2
47.5°	1146.6	1153.8	1139.5	1125.2	1092.1	1059.0	1034.1	1009.0	1001.0	992.8	1007.6
50°	1111.1	1111.5	1093.2	1074.8	1045.2	1015.6	992.0	968.4	955.7	943.1	956.1
52.5°	1087.6	1083.7	1062.0	1040.3	1012.6	984.9	963.4	941.7	922.7	903.7	916.6
55°	1068.0	1062.6	1039.6	1016.6	992.4	968.2	944.8	921.6	894.6	867.7	888.0
57.5°	1048.9	1043.4	1020.3	997.0	973.0	949.0	921.7	894.3	865.3	836.3	866.0
60°	1021.8	1015.8	992.5	969.1	944.8	920.4	889.1	857.6	832.2	806.7	845.3
62.5°	979.7	973.9	952.5	931.2	905.3	879.2	842.6	806.0	789.8	773.6	821.8
65°	922.5	916.6	897.7	878.9	854.1	829.2	790.0	750.7	744.5	738.2	789.7
67.5°	857.4	851.6	835.4	819.1	795.6	772.1	735.7	699.6	701.5	703.5	746.1
70°	787.8	782.3	767.6	753.0	732.6	712.3	680.4	648.5	655.3	662.0	692.5
72.5°	710.0	703.5	689.1	674.7	656.3	638.0	612.9	587.8	597.7	607.6	628.4
75°	618.3	611.3	598.3	585.2	568.6	552.0	533.3	514.7	524.2	533.6	549.7
77.5°	529.9	523.5	509.8	496.1	481.7	467.5	452.3	437.2	446.8	456.4	469.2
80°	427.6	419.1	408.8	398.3	386.2	374.2	361.6	349.0	357.1	365.2	376.0
82.5°	311.1	296.5	274.3	251.9	256.1	260.3	261.5	262.5	268.2	274.0	279.2
85°	188.8	170.8	149.9	128.9	140.6	152.3	157.8	163.2	169.6	176.0	181.6
87.5°	82.4	75.0	66.2	57.5	66.5	75.3	75.5	75.8	77.0	78.2	80.5
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1939.7	1957.5	1973.5	1990.0	2006.6	2024.0	2041.2	2058.4	2075.6	2091.8	2107.9
5°	1922.5	1953.8	1985.3	2018.8	2052.3	2088.1	2124.0	2159.6	2195.2	2230.9	2266.7
7.5°	1916.3	1956.7	1999.9	2046.5	2093.3	2146.4	2199.3	2253.8	2308.2	2367.1	2426.1
10°	1919.4	1962.8	2016.0	2071.3	2126.6	2190.9	2255.4	2327.3	2399.2	2473.8	2548.4
12.5°	1923.1	1963.5	2019.5	2081.9	2144.4	2220.4	2296.3	2377.9	2459.4	2541.3	2623.2
15°	1907.1	1939.5	2001.3	2073.7	2146.0	2233.6	2321.0	2409.5	2497.9	2583.3	2668.7
17.5°	1858.2	1878.1	1951.0	2038.0	2125.0	2226.6	2328.1	2424.6	2521.1	2607.7	2694.2
20°	1778.5	1783.8	1868.6	1976.4	2084.2	2207.3	2330.3	2436.4	2542.5	2632.5	2722.5
22.5°	1688.0	1677.7	1774.2	1904.1	2034.0	2183.7	2333.4	2452.3	2571.3	2663.3	2755.2
25°	1600.2	1572.4	1671.3	1823.4	1975.6	2160.4	2345.2	2481.2	2617.1	2707.2	2797.3
27.5°	1523.6	1489.6	1579.7	1749.6	1919.5	2144.8	2370.1	2526.4	2682.6	2768.5	2854.4
30°	1456.0	1429.5	1505.1	1688.0	1870.8	2137.5	2404.0	2584.8	2765.6	2848.5	2931.6
32.5°	1396.9	1385.1	1446.1	1634.8	1823.4	2128.5	2433.5	2645.8	2858.2	2940.3	3022.6
35°	1341.1	1346.0	1396.8	1582.5	1768.2	2111.5	2454.9	2715.3	2975.7	3054.5	3133.1
37.5°	1282.6	1300.5	1344.9	1521.0	1697.0	2082.4	2467.7	2793.1	3118.7	3219.0	3319.3
40°	1218.5	1246.0	1286.2	1447.5	1608.8	2042.3	2475.8	2892.0	3308.2	3454.4	3600.6
42.5°	1150.5	1185.0	1222.1	1366.5	1511.0	2000.9	2491.1	3021.3	3551.5	3762.7	3973.7
45°	1082.7	1116.2	1153.8	1280.5	1407.1	1962.5	2517.9	3191.4	3865.0	4149.7	4434.4
47.5°	1022.3	1051.1	1099.6	1212.4	1325.1	1930.7	2536.3	3372.7	4209.2	4609.8	5010.5
50°	969.1	1002.7	1066.4	1167.2	1268.0	1896.1	2524.3	3540.9	4557.6	5161.7	5765.7
52.5°	929.6	976.3	1049.6	1137.4	1225.3	1837.7	2450.2	3650.1	4850.0	5741.2	6632.6
55°	908.5	979.0	1047.1	1115.8	1184.5	1740.9	2297.1	3626.0	4954.8	6255.2	7555.5
57.5°	895.8	981.5	1041.7	1090.3	1138.8	1604.2	2069.6	3456.6	4843.7	6619.3	8395.0
60°	884.0	973.3	1013.0	1051.1	1089.3	1426.9	1764.4	3141.4	4518.4	6710.4	8902.2
62.5°	870.1	952.9	957.9	983.2	1008.5	1214.6	1420.6	2715.1	4009.6	6327.1	8644.6
65°	840.9	904.2	903.5	915.4	927.4	1023.7	1119.8	2280.2	3440.8	5784.9	8129.0
67.5°	788.8	824.4	826.0	819.4	812.7	840.1	867.4	1854.2	2841.1	5139.7	7438.1
70°	722.8	734.5	734.5	703.6	672.6	664.8	657.0	1459.9	2262.9	4435.5	6608.2
72.5°	649.2	649.1	641.8	597.9	554.0	530.3	506.8	1116.1	1725.5	3672.3	5619.0
75°	565.8	568.7	534.6	485.4	436.2	414.9	393.5	810.1	1226.6	2797.2	4367.8
77.5°	482.2	483.6	427.6	379.9	332.1	317.4	303.0	548.9	794.9	1957.9	3120.7
80°	386.7	386.9	320.0	279.6	239.2	233.2	227.1	353.6	480.2	1261.4	2042.5
82.5°	284.4	281.3	224.2	194.3	164.6	163.4	162.4	217.5	272.9	730.0	1187.3
85°	187.3	183.2	140.6	118.8	97.1	97.6	98.2	116.2	134.5	328.4	522.3
87.5°	82.7	77.5	59.8	50.8	41.9	42.5	43.0	48.2	53.4	107.5	161.7
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	2115.9	2124.0	2135.3	2146.7	2153.4	2160.2	2163.6	2167.0	2165.5	2167.0	2163.6
5°	2294.6	2322.5	2350.2	2378.0	2393.0	2408.0	2417.2	2426.4	2433.2	2426.4	2417.2
7.5°	2471.6	2516.9	2557.8	2598.6	2623.2	2647.8	2661.1	2674.3	2680.7	2674.3	2661.1
10°	2602.1	2655.8	2703.6	2751.6	2780.6	2809.5	2822.4	2835.3	2840.2	2835.3	2822.4
12.5°	2681.4	2739.5	2782.9	2826.0	2847.1	2868.2	2875.2	2882.3	2883.0	2882.3	2875.2
15°	2718.9	2769.1	2796.2	2823.5	2824.2	2825.0	2817.4	2809.9	2801.0	2809.9	2817.4
17.5°	2728.1	2762.1	2762.6	2763.1	2732.6	2702.1	2674.2	2646.2	2626.6	2646.2	2674.2
20°	2734.3	2746.2	2710.4	2674.7	2607.5	2540.3	2491.3	2442.3	2412.2	2442.3	2491.3
22.5°	2739.7	2724.1	2650.1	2576.1	2477.2	2378.3	2317.1	2255.9	2222.6	2255.9	2317.1
25°	2748.4	2699.5	2587.1	2474.8	2354.6	2234.5	2170.1	2105.9	2074.5	2105.9	2170.1
27.5°	2767.1	2679.6	2530.7	2382.0	2248.8	2115.7	2052.4	1989.1	1959.4	1989.1	2052.4
30°	2801.2	2670.9	2487.7	2304.5	2165.8	2027.0	1968.3	1909.6	1881.9	1909.6	1968.3
32.5°	2844.1	2665.7	2458.4	2251.1	2120.7	1990.3	1944.2	1898.1	1878.1	1898.1	1944.2
35°	2914.7	2696.4	2480.3	2264.4	2173.8	2083.3	2072.5	2061.8	2060.1	2061.8	2072.5
37.5°	3062.4	2805.4	2609.1	2412.7	2406.9	2401.1	2450.3	2499.5	2525.0	2499.5	2450.3
40°	3321.2	3041.8	2895.7	2749.8	2852.8	2955.9	3075.4	3195.0	3254.6	3195.0	3075.4
42.5°	3696.5	3419.2	3335.1	3251.0	3475.8	3700.5	3918.1	4135.6	4263.3	4135.6	3918.1
45°	4185.4	3936.2	3899.1	3862.0	4222.1	4582.2	4939.6	5297.1	5514.1	5297.1	4939.6
47.5°	4768.3	4525.9	4518.4	4510.9	5030.3	5549.7	6072.9	6596.1	6903.4	6596.1	6072.9
50°	5466.4	5167.2	5168.5	5169.8	5839.2	6508.6	7199.3	7890.0	8307.6	7890.0	7199.3
52.5°	6270.2	5907.9	5871.2	5834.5	6634.2	7433.8	8288.4	9142.9	9643.5	9142.9	8288.4
55°	7197.4	6839.4	6696.6	6553.7	7443.8	8333.6	9352.4	10371.3	10966.6	10371.3	9352.4
57.5°	8199.9	8004.9	7718.5	7432.0	8330.6	9229.2	10383.1	11537.1	12275.3	11537.1	10383.1
60°	9205.1	9508.0	9152.2	8796.4	9646.8	10497.2	11732.7	12968.2	13766.2	12968.2	11732.7
62.5°	9472.1	10299.5	10259.4	10219.2	10998.2	11777.4	12952.8	14128.3	14865.8	14128.3	12952.8
65°	8905.6	9682.3	9835.9	9989.4	10979.5	11969.5	13109.4	14249.1	14877.1	14249.1	13109.4
67.5°	8176.7	8915.4	8987.5	9059.5	10090.9	11122.4	12267.1	13411.8	13903.7	13411.8	12267.1
70°	7411.6	8215.0	8247.2	8279.4	9201.9	10124.3	11109.4	12094.4	12367.9	12094.4	11109.4
72.5°	6540.9	7463.0	7486.2	7509.3	8231.0	8952.7	9690.5	10428.1	10455.8	10428.1	9690.5
75°	5322.0	6276.2	6361.9	6447.6	7009.1	7570.5	8089.9	8609.3	8470.1	8609.3	8089.9
77.5°	4011.4	4902.3	5024.9	5147.4	5574.3	6001.2	6369.5	6737.9	6498.7	6737.9	6369.5
80°	2791.9	3541.2	3693.6	3846.0	4168.4	4490.5	4684.0	4877.4	4492.7	4877.4	4684.0
82.5°	1699.6	2212.0	2382.2	2552.5	2774.4	2996.3	3076.9	3157.6	2855.2	3157.6	3076.9
85°	794.3	1066.2	1210.9	1355.8	1538.1	1720.4	1766.2	1812.0	1569.8	1812.0	1766.2
87.5°	253.1	344.5	425.3	506.0	597.3	688.4	692.3	696.1	584.5	696.1	692.3
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: P963945
 CATALOG NUMBER: NAV-SB3B-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	2160.2	2153.4	2146.7	2135.3	2124.0	2115.9	2107.9
5°	2408.0	2393.0	2378.0	2350.2	2322.5	2294.6	2266.7
7.5°	2647.8	2623.2	2598.6	2557.8	2516.9	2471.6	2426.1
10°	2809.5	2780.6	2751.6	2703.6	2655.8	2602.1	2548.4
12.5°	2868.2	2847.1	2826.0	2782.9	2739.5	2681.4	2623.2
15°	2825.0	2824.2	2823.5	2796.2	2769.1	2718.9	2668.7
17.5°	2702.1	2732.6	2763.1	2762.6	2762.1	2728.1	2694.2
20°	2540.3	2607.5	2674.7	2710.4	2746.2	2734.3	2722.5
22.5°	2378.3	2477.2	2576.1	2650.1	2724.1	2739.7	2755.2
25°	2234.5	2354.6	2474.8	2587.1	2699.5	2748.4	2797.3
27.5°	2115.7	2248.8	2382.0	2530.7	2679.6	2767.1	2854.4
30°	2027.0	2165.8	2304.5	2487.7	2670.9	2801.2	2931.6
32.5°	1990.3	2120.7	2251.1	2458.4	2665.7	2844.1	3022.6
35°	2083.3	2173.8	2264.4	2480.3	2696.4	2914.7	3133.1
37.5°	2401.1	2406.9	2412.7	2609.1	2805.4	3062.4	3319.3
40°	2955.9	2852.8	2749.8	2895.7	3041.8	3321.2	3600.6
42.5°	3700.5	3475.8	3251.0	3335.1	3419.2	3696.5	3973.7
45°	4582.2	4222.1	3862.0	3899.1	3936.2	4185.4	4434.4
47.5°	5549.7	5030.3	4510.9	4518.4	4525.9	4768.3	5010.5
50°	6508.6	5839.2	5169.8	5168.5	5167.2	5466.4	5765.7
52.5°	7433.8	6634.2	5834.5	5871.2	5907.9	6270.2	6632.6
55°	8333.6	7443.8	6553.7	6696.6	6839.4	7197.4	7555.5
57.5°	9229.2	8330.6	7432.0	7718.5	8004.9	8199.9	8395.0
60°	10497.2	9646.8	8796.4	9152.2	9508.0	9205.1	8902.2
62.5°	11777.4	10998.2	10219.2	10259.4	10299.5	9472.1	8644.6
65°	11969.5	10979.5	9989.4	9835.9	9682.3	8905.6	8129.0
67.5°	11122.4	10090.9	9059.5	8987.5	8915.4	8176.7	7438.1
70°	10124.3	9201.9	8279.4	8247.2	8215.0	7411.6	6608.2
72.5°	8952.7	8231.0	7509.3	7486.2	7463.0	6540.9	5619.0
75°	7570.5	7009.1	6447.6	6361.9	6276.2	5322.0	4367.8
77.5°	6001.2	5574.3	5147.4	5024.9	4902.3	4011.4	3120.7
80°	4490.5	4168.4	3846.0	3693.6	3541.2	2791.9	2042.5
82.5°	2996.3	2774.4	2552.5	2382.2	2212.0	1699.6	1187.3
85°	1720.4	1538.1	1355.8	1210.9	1066.2	794.3	522.3
87.5°	688.4	597.3	506.0	425.3	344.5	253.1	161.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)