

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: P962083

Luminaire Tested: **NAV-SB2B-830-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962083
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-830-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10334 lumens
Efficiency: N/A
Efficacy: 139.8 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



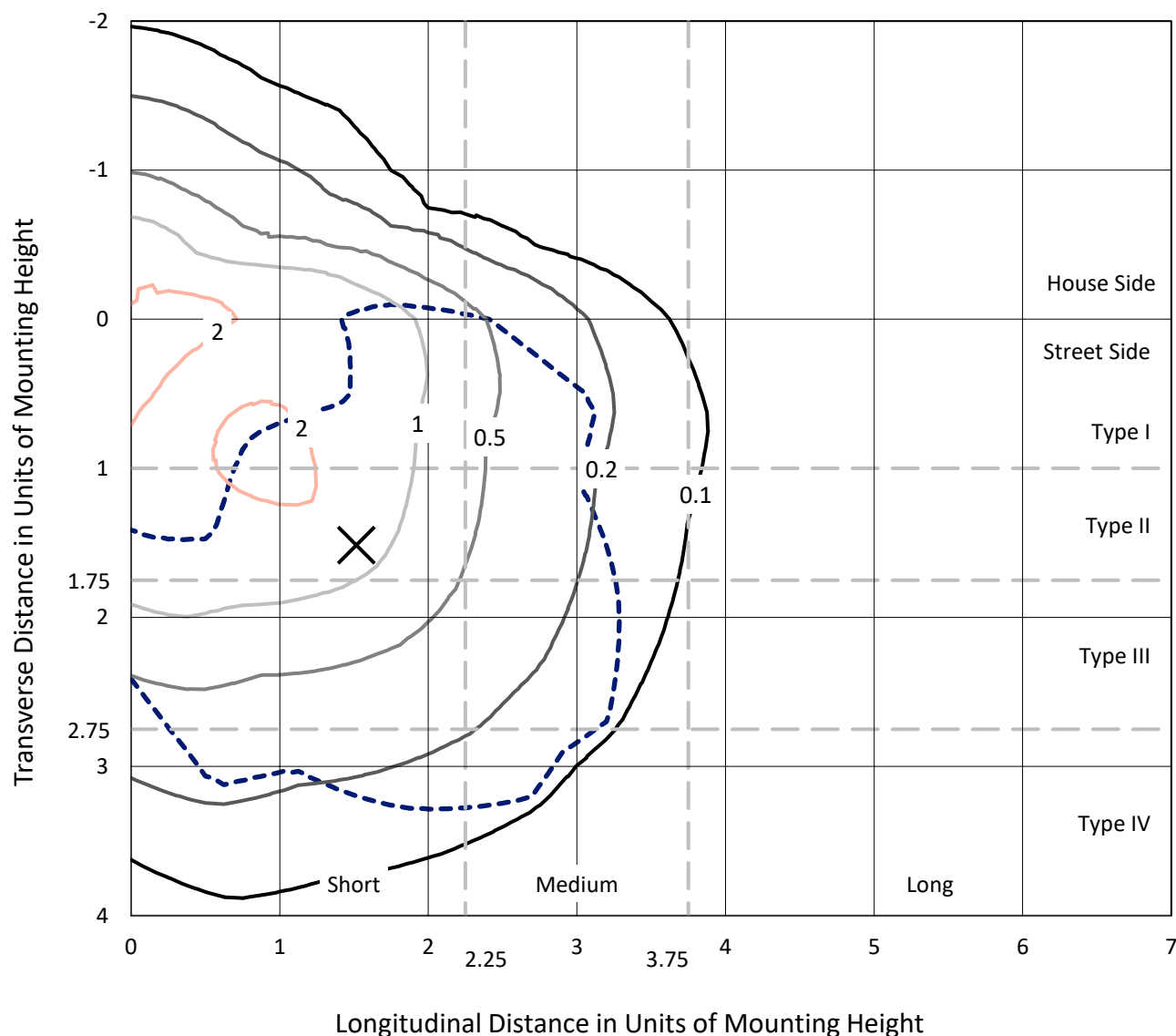
REPORT NUMBER: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

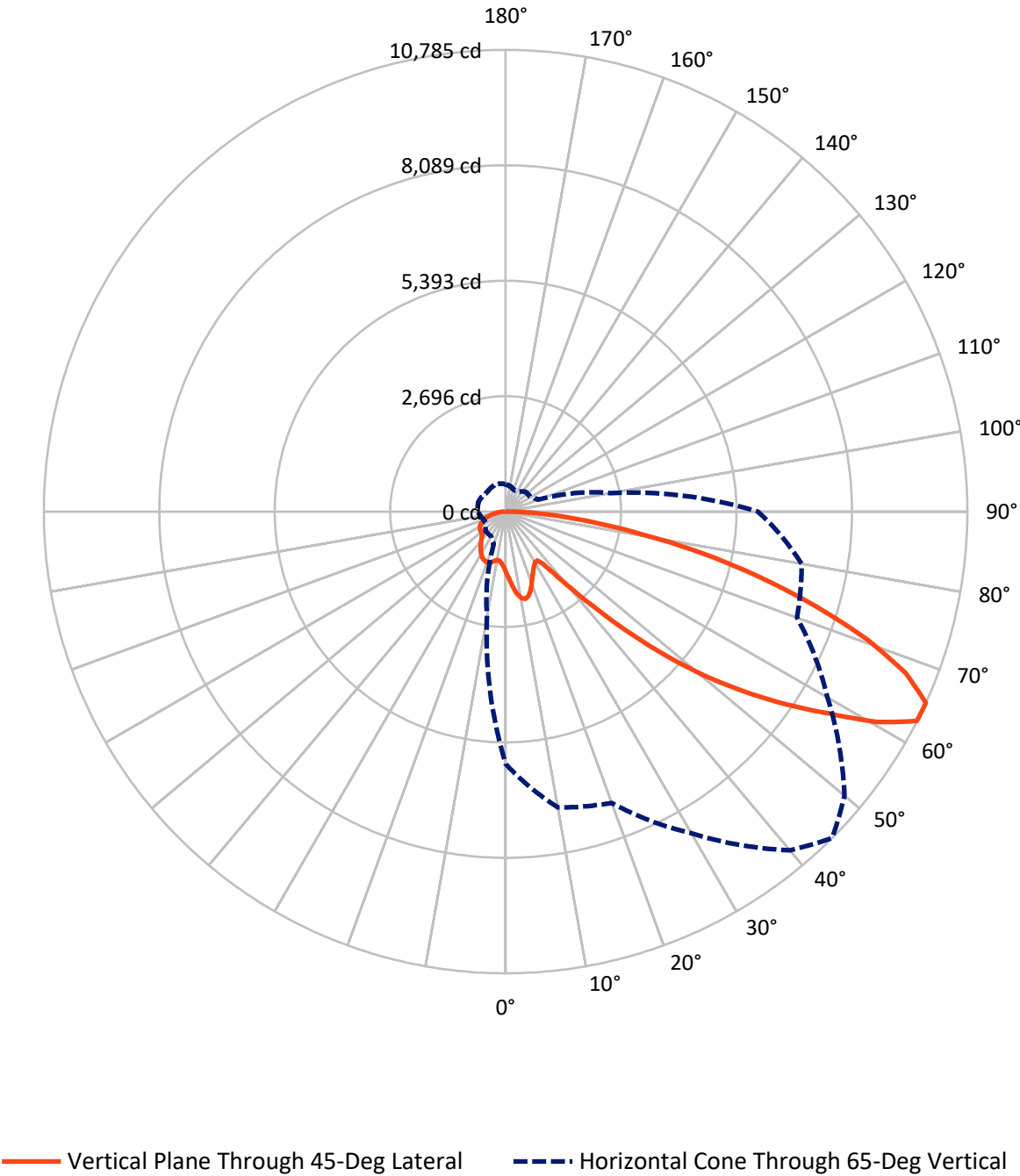


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc

Type IV - Short - N/A

REPORT NUMBER: P962083
CATALOG NUMBER: NAV-SB2B-830-U-SLL

Luminous Intensity Polar Plot



REPORT NUMBER: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

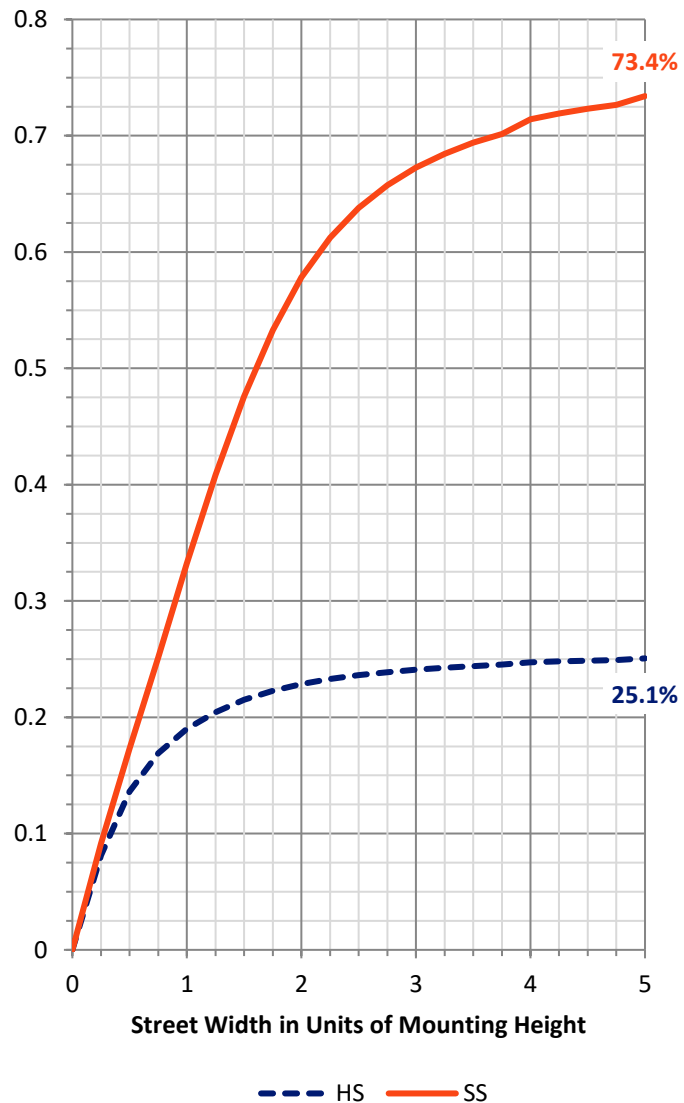
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2626.4	0.0	2626.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7707.7	0.0	7707.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	10334.0	0.0	10334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.0	1.4
10°-20°	442.5	4.3
20°-30°	683.5	6.6
30°-40°	866.2	8.4
40°-50°	1306.5	12.6
50°-60°	2110.8	20.4
60°-70°	2631.4	25.5
70°-80°	1725.6	16.7
80°-90°	426.6	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°	10334.0	100.0
0°-180°	10334.0	100.0

Coefficient of Utilization



REPORT NUMBER: P962083

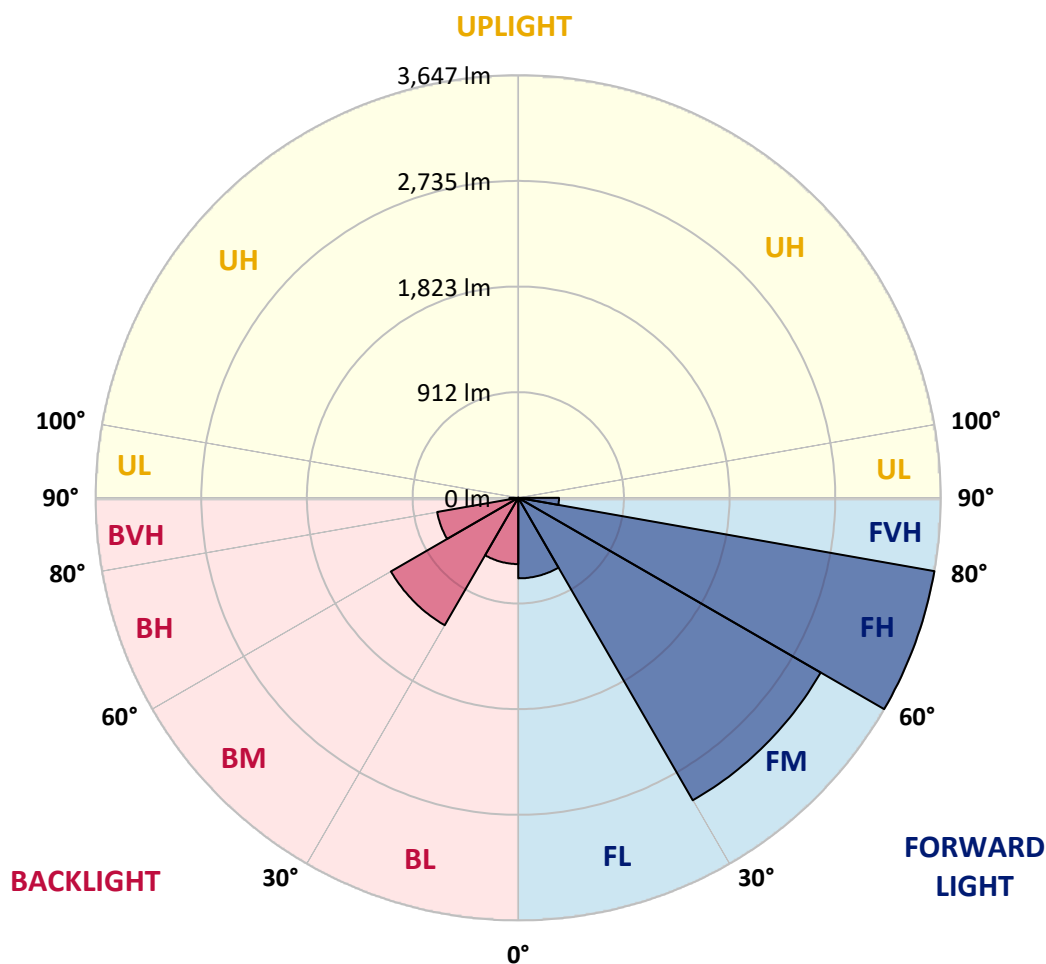
CATALOG NUMBER: NAV-SB2B-830-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	695.1	6.7			
FM	(30°-60°)	3014.2	29.2			
FH	(60°-80°)	3646.9	35.3			G2/5000
FVH	(80°-90°)	351.4	3.4			G3/500
BL	(0°-30°)	571.9	5.5	B2/1000		
BM	(30°-60°)	1269.2	12.3	B2/2500		
BH	(60°-80°)	710.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	75.2	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



REPORT NUMBER: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1528.2	1533.9	1539.8	1548.1	1556.3	1561.2	1566.1	1568.6	1571.0	1569.9	1571.0
5°	1643.2	1663.5	1683.8	1703.9	1723.9	1734.8	1745.8	1752.3	1759.0	1764.0	1759.0
7.5°	1758.8	1791.8	1824.6	1854.2	1883.8	1901.7	1919.5	1929.2	1938.8	1943.4	1938.8
10°	1847.5	1886.4	1925.3	1960.0	1994.8	2015.9	2036.8	2046.1	2055.4	2059.0	2055.4
12.5°	1901.7	1943.9	1986.0	2017.5	2048.8	2064.0	2079.3	2084.4	2089.6	2090.1	2089.6
15°	1934.7	1971.1	2007.5	2027.1	2046.9	2047.4	2048.0	2042.5	2037.1	2030.6	2037.1
17.5°	1953.2	1977.8	2002.4	2002.7	2003.2	1981.0	1959.0	1938.7	1918.4	1904.1	1918.4
20°	1973.6	1982.2	1990.9	1964.9	1939.1	1890.3	1841.5	1806.0	1770.6	1748.8	1770.6
22.5°	1997.4	1986.1	1975.0	1921.3	1867.7	1795.9	1724.2	1679.8	1635.4	1611.3	1635.4
25°	2028.0	1992.5	1957.0	1875.5	1794.1	1707.0	1619.9	1573.3	1526.7	1503.9	1526.7
27.5°	2069.4	2006.0	1942.6	1834.6	1726.8	1630.3	1533.8	1487.9	1442.0	1420.4	1442.0
30°	2125.2	2030.7	1936.3	1803.5	1670.6	1570.1	1469.5	1427.0	1384.4	1364.3	1384.4
32.5°	2191.2	2061.9	1932.5	1782.3	1631.9	1537.4	1442.9	1409.5	1376.1	1361.6	1376.1
35°	2271.4	2113.0	1954.8	1798.2	1641.6	1575.9	1510.3	1502.5	1494.8	1493.5	1494.8
37.5°	2406.4	2220.0	2033.8	1891.5	1749.2	1745.0	1740.7	1776.3	1812.0	1830.5	1812.0
40°	2610.3	2407.7	2205.2	2099.3	1993.4	2068.1	2142.9	2229.6	2316.3	2359.4	2316.3
42.5°	2880.8	2679.8	2478.8	2417.8	2356.9	2519.8	2682.7	2840.4	2998.1	3090.7	2998.1
45°	3214.7	3034.2	2853.6	2826.7	2799.8	3060.9	3321.9	3581.0	3840.2	3997.5	3840.2
47.5°	3632.4	3456.8	3281.1	3275.7	3270.2	3646.7	4023.2	4402.6	4781.9	5004.7	4781.9
50°	4180.0	3963.0	3746.1	3747.0	3747.9	4233.1	4718.5	5219.2	5720.0	6022.7	5720.0
52.5°	4808.4	4545.7	4283.0	4256.4	4229.8	4809.5	5389.1	6008.8	6628.3	6991.1	6628.3
55°	5477.4	5217.9	4958.3	4854.7	4751.2	5396.4	6041.6	6780.1	7518.7	7950.3	7518.7
57.5°	6085.9	5944.6	5803.2	5595.6	5387.9	6039.3	6690.8	7527.4	8363.9	8899.2	8363.9
60°	6453.7	6673.3	6892.9	6634.9	6377.0	6993.6	7610.0	8505.8	9401.4	9979.9	9401.4
62.5°	6267.0	6866.9	7466.7	7437.7	7408.6	7973.3	8538.1	9390.3	10242.4	10777.1	10242.4
65°	5893.2	6456.2	7019.2	7130.6	7241.9	7959.6	8677.4	9503.8	10330.1	10785.3	10330.1
67.5°	5392.3	5927.8	6463.3	6515.5	6567.7	7315.5	8063.3	8893.2	9723.0	10079.6	9723.0
70°	4790.6	5373.0	5955.6	5978.8	6002.3	6671.0	7339.7	8053.8	8768.0	8966.2	8768.0
72.5°	4073.6	4742.0	5410.4	5427.2	5443.9	5967.0	6490.3	7025.1	7560.0	7580.1	7560.0
75°	3166.5	3858.2	4550.0	4612.1	4674.2	5081.2	5488.4	5864.8	6241.3	6140.5	6241.3
77.5°	2262.4	2908.1	3553.9	3642.7	3731.7	4041.2	4350.6	4617.6	4884.7	4711.3	4884.7
80°	1480.7	2024.0	2567.2	2677.7	2788.2	3021.9	3255.5	3395.7	3535.9	3257.0	3535.9
82.5°	860.7	1232.2	1603.6	1727.0	1850.4	2011.3	2172.2	2230.7	2289.1	2069.9	2289.1
85°	378.7	575.8	773.0	877.9	982.9	1115.1	1247.2	1280.4	1313.6	1138.1	1313.6
87.5°	117.3	183.5	249.8	308.3	366.8	433.0	499.1	501.8	504.7	423.7	504.7
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1568.6	1566.1	1561.2	1556.3	1548.1	1539.8	1533.9	1528.2	1516.5	1504.7	1492.2
5°	1752.3	1745.8	1734.8	1723.9	1703.9	1683.8	1663.5	1643.2	1617.3	1591.4	1565.6
7.5°	1929.2	1919.5	1901.7	1883.8	1854.2	1824.6	1791.8	1758.8	1716.1	1673.4	1634.0
10°	2046.1	2036.8	2015.9	1994.8	1960.0	1925.3	1886.4	1847.5	1793.4	1739.3	1687.2
12.5°	2084.4	2079.3	2064.0	2048.8	2017.5	1986.0	1943.9	1901.7	1842.3	1783.0	1723.8
15°	2042.5	2048.0	2047.4	2046.9	2027.1	2007.5	1971.1	1934.7	1872.8	1810.9	1746.8
17.5°	1938.7	1959.0	1981.0	2003.2	2002.7	2002.4	1977.8	1953.2	1890.5	1827.7	1757.8
20°	1806.0	1841.5	1890.3	1939.1	1964.9	1990.9	1982.2	1973.6	1908.4	1843.2	1766.3
22.5°	1679.8	1724.2	1795.9	1867.7	1921.3	1975.0	1986.1	1997.4	1930.8	1864.1	1777.9
25°	1573.3	1619.9	1707.0	1794.1	1875.5	1957.0	1992.5	2028.0	1962.6	1897.4	1798.8
27.5°	1487.9	1533.8	1630.3	1726.8	1834.6	1942.6	2006.0	2069.4	2007.1	1944.7	1831.5
30°	1427.0	1469.5	1570.1	1670.6	1803.5	1936.3	2030.7	2125.2	2065.1	2004.9	1873.9
32.5°	1409.5	1442.9	1537.4	1631.9	1782.3	1932.5	2061.9	2191.2	2131.6	2072.1	1918.1
35°	1502.5	1510.3	1575.9	1641.6	1798.2	1954.8	2113.0	2271.4	2214.4	2157.3	1968.5
37.5°	1776.3	1740.7	1745.0	1749.2	1891.5	2033.8	2220.0	2406.4	2333.6	2260.8	2024.9
40°	2229.6	2142.9	2068.1	1993.4	2099.3	2205.2	2407.7	2610.3	2504.3	2398.3	2096.5
42.5°	2840.4	2682.7	2519.8	2356.9	2417.8	2478.8	2679.8	2880.8	2727.7	2574.7	2190.3
45°	3581.0	3321.9	3060.9	2799.8	2826.7	2853.6	3034.2	3214.7	3008.4	2801.9	2313.6
47.5°	4402.6	4023.2	3646.7	3270.2	3275.7	3281.1	3456.8	3632.4	3342.0	3051.4	2445.0
50°	5219.2	4718.5	4233.1	3747.9	3747.0	3746.1	3963.0	4180.0	3742.0	3304.0	2567.0
52.5°	6008.8	5389.1	4809.5	4229.8	4256.4	4283.0	4545.7	4808.4	4162.2	3516.1	2646.1
55°	6780.1	6041.6	5396.4	4751.2	4854.7	4958.3	5217.9	5477.4	4534.7	3592.1	2628.7
57.5°	7527.4	6690.8	6039.3	5387.9	5595.6	5803.2	5944.6	6085.9	4798.7	3511.5	2505.9
60°	8505.8	7610.0	6993.6	6377.0	6634.9	6892.9	6673.3	6453.7	4864.8	3275.7	2277.3
62.5°	9390.3	8538.1	7973.3	7408.6	7437.7	7466.7	6866.9	6267.0	4586.9	2906.8	1968.4
65°	9503.8	8677.4	7959.6	7241.9	7130.6	7019.2	6456.2	5893.2	4193.8	2494.4	1653.1
67.5°	8893.2	8063.3	7315.5	6567.7	6515.5	6463.3	5927.8	5392.3	3726.0	2059.6	1344.3
70°	8053.8	7339.7	6671.0	6002.3	5978.8	5955.6	5373.0	4790.6	3215.5	1640.5	1058.4
72.5°	7025.1	6490.3	5967.0	5443.9	5427.2	5410.4	4742.0	4073.6	2662.2	1250.9	809.1
75°	5864.8	5488.4	5081.2	4674.2	4612.1	4550.0	3858.2	3166.5	2027.9	889.3	587.3
77.5°	4617.6	4350.6	4041.2	3731.7	3642.7	3553.9	2908.1	2262.4	1419.3	576.3	397.9
80°	3395.7	3255.5	3021.9	2788.2	2677.7	2567.2	2024.0	1480.7	914.4	348.2	256.4
82.5°	2230.7	2172.2	2011.3	1850.4	1727.0	1603.6	1232.2	860.7	529.2	197.8	157.7
85°	1280.4	1247.2	1115.1	982.9	877.9	773.0	575.8	378.7	238.1	97.5	84.3
87.5°	501.8	499.1	433.0	366.8	308.3	249.8	183.5	117.3	78.0	38.7	35.0
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1479.8	1467.3	1454.7	1442.7	1430.7	1419.1	1406.2	1395.7	1385.3	1375.9	1366.5
5°	1539.8	1513.8	1487.8	1463.6	1439.3	1416.3	1393.8	1374.0	1354.2	1337.6	1321.1
7.5°	1594.4	1555.9	1517.5	1483.7	1449.9	1418.6	1389.3	1363.0	1336.8	1315.0	1293.1
10°	1635.1	1588.3	1541.6	1501.6	1461.4	1422.9	1391.4	1363.8	1336.1	1314.3	1292.4
12.5°	1664.8	1609.7	1554.6	1509.3	1464.0	1423.5	1394.2	1371.6	1348.9	1334.4	1320.0
15°	1682.6	1619.2	1555.8	1503.4	1450.9	1406.0	1382.6	1371.8	1360.9	1362.9	1364.9
17.5°	1687.8	1614.2	1540.6	1477.4	1414.4	1361.6	1347.2	1351.2	1355.0	1378.8	1402.6
20°	1689.4	1600.2	1511.0	1432.8	1354.6	1293.1	1289.3	1307.9	1326.5	1367.7	1409.1
22.5°	1691.6	1583.1	1474.6	1380.4	1286.3	1216.3	1223.7	1251.1	1278.6	1325.7	1372.9
25°	1700.2	1566.2	1432.2	1321.8	1211.7	1139.9	1160.1	1191.8	1223.3	1265.8	1308.1
27.5°	1718.2	1554.9	1391.5	1268.4	1145.2	1079.9	1104.4	1135.0	1165.5	1200.4	1235.2
30°	1742.8	1549.6	1356.3	1223.6	1091.1	1036.3	1055.5	1079.7	1104.1	1133.0	1161.9
32.5°	1764.1	1543.0	1321.8	1185.1	1048.3	1004.2	1012.7	1027.0	1041.4	1064.5	1087.6
35°	1779.7	1530.7	1281.9	1147.3	1012.6	975.8	972.2	976.2	980.1	997.7	1015.4
37.5°	1788.9	1509.6	1230.3	1102.6	975.0	942.8	929.8	925.5	921.1	933.8	946.4
40°	1794.8	1480.6	1166.3	1049.4	932.4	903.2	883.3	873.5	863.7	872.7	881.8
42.5°	1805.8	1450.6	1095.4	990.7	886.0	859.1	834.0	820.9	807.8	815.3	822.8
45°	1825.3	1422.7	1020.1	928.3	836.5	809.2	784.9	772.1	759.5	765.7	772.0
47.5°	1838.7	1399.7	960.7	878.9	797.2	762.1	741.2	730.5	719.8	725.7	731.5
50°	1830.0	1374.6	919.2	846.1	773.2	726.8	702.6	693.1	683.7	692.8	702.0
52.5°	1776.3	1332.3	888.3	824.6	761.0	707.8	673.8	664.5	655.2	668.9	682.6
55°	1665.3	1262.0	858.7	808.9	759.1	709.7	658.6	643.8	628.9	648.5	668.1
57.5°	1500.4	1163.0	825.5	790.4	755.2	711.6	649.4	627.8	606.3	627.3	648.3
60°	1279.1	1034.4	789.7	762.1	734.4	705.6	640.8	612.8	584.9	603.3	621.8
62.5°	1029.9	880.6	731.1	712.8	694.4	690.8	630.8	595.8	560.9	572.6	584.2
65°	811.8	742.1	672.3	663.7	655.0	655.5	609.7	572.5	535.2	539.8	544.2
67.5°	628.8	609.1	589.2	594.0	598.8	597.7	571.8	540.9	509.9	508.5	507.1
70°	476.3	482.0	487.6	510.0	532.5	532.5	524.0	501.9	480.0	475.1	470.2
72.5°	367.5	384.5	401.6	433.5	465.2	470.6	470.7	455.6	440.4	433.3	426.1
75°	285.3	300.7	316.3	351.9	387.6	412.3	410.2	398.5	386.8	380.0	373.1
77.5°	219.7	230.2	240.8	275.4	310.0	350.7	349.5	340.2	330.9	323.9	316.9
80°	164.7	169.0	173.4	202.7	232.1	280.5	280.3	272.5	264.8	258.9	253.0
82.5°	117.7	118.4	119.3	140.9	162.5	204.0	206.2	202.4	198.6	194.4	190.3
85°	71.1	70.8	70.3	86.2	102.0	132.7	135.8	131.7	127.6	123.0	118.3
87.5°	31.2	30.9	30.4	36.9	43.4	56.2	60.0	58.3	56.7	55.9	54.9
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1358.2	1350.0	1341.7	1333.5	1327.2	1320.7	1315.5	1310.4	1306.3	1302.3	1298.6
5°	1306.5	1291.9	1278.7	1265.4	1255.1	1244.9	1237.8	1230.6	1225.5	1220.5	1216.6
7.5°	1274.8	1256.3	1240.0	1223.8	1211.8	1199.7	1191.2	1182.6	1176.8	1171.0	1167.5
10°	1272.6	1252.8	1234.5	1216.3	1201.7	1187.2	1177.7	1168.1	1162.7	1157.1	1154.1
12.5°	1304.4	1288.9	1270.1	1251.1	1232.7	1214.1	1201.8	1189.5	1183.4	1177.3	1174.8
15°	1360.8	1356.8	1340.4	1324.0	1297.5	1271.2	1252.6	1233.9	1225.3	1216.8	1213.5
17.5°	1415.2	1427.8	1414.6	1401.4	1366.4	1331.5	1304.0	1276.5	1263.8	1251.1	1247.0
20°	1435.5	1462.0	1455.8	1449.7	1409.7	1369.8	1336.1	1302.5	1286.3	1270.0	1264.7
22.5°	1407.3	1441.8	1445.5	1449.1	1410.9	1372.8	1338.0	1303.4	1286.3	1269.2	1263.4
25°	1342.0	1375.9	1388.6	1401.1	1369.8	1338.5	1307.7	1276.9	1262.1	1247.3	1242.0
27.5°	1262.4	1289.4	1303.6	1317.7	1295.4	1273.2	1249.2	1225.3	1215.3	1205.4	1202.9
30°	1184.4	1207.0	1218.4	1229.9	1213.0	1196.0	1178.9	1161.5	1156.5	1151.4	1151.4
32.5°	1109.2	1130.8	1143.5	1156.3	1140.7	1125.0	1111.3	1097.7	1094.3	1091.0	1091.4
35°	1036.7	1058.1	1073.4	1088.7	1077.6	1066.5	1053.8	1041.2	1036.2	1031.1	1030.0
37.5°	967.7	989.0	1007.9	1026.7	1021.6	1016.5	1004.9	993.2	984.0	974.9	970.1
40°	902.4	923.1	944.7	966.5	967.8	968.9	959.1	949.3	935.8	922.5	913.5
42.5°	842.2	861.8	885.3	908.8	915.0	921.3	913.0	904.7	888.0	871.4	858.2
45°	790.6	809.1	833.4	857.7	866.7	875.8	868.2	860.7	841.7	822.8	807.3
47.5°	749.7	767.7	791.7	815.8	826.2	836.5	831.3	826.0	809.1	792.2	777.9
50°	719.1	736.3	757.8	779.2	792.5	805.9	805.5	805.2	791.7	778.3	765.1
52.5°	698.4	714.0	734.1	754.1	769.9	785.7	788.5	791.3	780.3	769.3	757.5
55°	685.0	701.9	719.4	737.0	753.7	770.4	774.3	778.3	768.6	759.0	748.7
57.5°	668.2	688.1	705.4	722.8	739.6	756.4	760.4	764.3	754.7	745.0	734.7
60°	644.5	667.3	684.9	702.6	719.6	736.5	740.8	745.2	735.6	726.2	715.7
62.5°	610.8	637.4	656.2	675.1	690.5	706.0	710.2	714.4	705.9	697.3	686.2
65°	572.7	601.2	619.2	637.1	650.8	664.4	668.7	673.0	664.7	656.5	645.8
67.5°	533.4	559.8	576.8	593.8	605.6	617.4	621.6	625.8	618.2	610.6	600.5
70°	493.2	516.4	531.2	545.8	556.5	567.1	571.1	575.1	569.0	562.8	553.3
72.5°	444.3	462.5	475.8	489.1	499.6	509.9	514.8	519.6	514.4	509.3	500.1
75°	386.6	400.2	412.2	424.2	433.7	443.2	448.2	453.3	450.7	448.2	440.5
77.5°	327.9	338.9	349.2	359.6	369.6	379.6	384.2	388.9	385.4	381.8	374.0
80°	262.2	271.3	280.0	288.7	296.3	303.8	310.1	316.3	314.8	313.2	302.9
82.5°	189.5	188.8	185.7	182.7	198.8	214.9	225.5	236.2	235.4	234.7	226.0
85°	114.4	110.4	102.0	93.5	108.6	123.8	136.8	150.0	148.8	147.8	140.9
87.5°	54.8	54.6	48.2	41.7	48.1	54.4	59.8	65.0	63.7	62.3	58.7
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1294.8	1290.2	1294.8	1298.6	1302.3	1306.3	1310.4	1315.5	1320.7	1327.2	1333.5
5°	1212.7	1208.9	1212.7	1216.6	1220.5	1225.5	1230.6	1237.8	1244.9	1255.1	1265.4
7.5°	1164.1	1161.4	1164.1	1167.5	1171.0	1176.8	1182.6	1191.2	1199.7	1211.8	1223.8
10°	1151.2	1150.0	1151.2	1154.1	1157.1	1162.7	1168.1	1177.7	1187.2	1201.7	1216.3
12.5°	1172.3	1171.8	1172.3	1174.8	1177.3	1183.4	1189.5	1201.8	1214.1	1232.7	1251.1
15°	1210.2	1210.0	1210.2	1213.5	1216.8	1225.3	1233.9	1252.6	1271.2	1297.5	1324.0
17.5°	1242.8	1242.2	1242.8	1247.0	1251.1	1263.8	1276.5	1304.0	1331.5	1366.4	1401.4
20°	1259.6	1258.0	1259.6	1264.7	1270.0	1286.3	1302.5	1336.1	1369.8	1409.7	1449.7
22.5°	1257.7	1255.2	1257.7	1263.4	1269.2	1286.3	1303.4	1338.0	1372.8	1410.9	1449.1
25°	1236.6	1233.5	1236.6	1242.0	1247.3	1262.1	1276.9	1307.7	1338.5	1369.8	1401.1
27.5°	1200.5	1199.7	1200.5	1202.9	1205.4	1215.3	1225.3	1249.2	1273.2	1295.4	1317.7
30°	1151.4	1152.2	1151.4	1151.4	1151.4	1156.5	1161.5	1178.9	1196.0	1213.0	1229.9
32.5°	1091.9	1092.8	1091.9	1091.4	1091.0	1094.3	1097.7	1111.3	1125.0	1140.7	1156.3
35°	1029.0	1028.4	1029.0	1030.0	1031.1	1036.2	1041.2	1053.8	1066.5	1077.6	1088.7
37.5°	965.1	962.5	965.1	970.1	974.9	984.0	993.2	1004.9	1016.5	1021.6	1026.7
40°	904.6	899.1	904.6	913.5	922.5	935.8	949.3	959.1	968.9	967.8	966.5
42.5°	845.1	836.5	845.1	858.2	871.4	888.0	904.7	913.0	921.3	915.0	908.8
45°	791.9	782.0	791.9	807.3	822.8	841.7	860.7	868.2	875.8	866.7	857.7
47.5°	763.6	754.1	763.6	777.9	792.2	809.1	826.0	831.3	836.5	826.2	815.8
50°	751.8	742.7	751.8	765.1	778.3	791.7	805.2	805.5	805.9	792.5	779.2
52.5°	745.7	737.2	745.7	757.5	769.3	780.3	791.3	788.5	785.7	769.9	754.1
55°	738.3	730.7	738.3	748.7	759.0	768.6	778.3	774.3	770.4	753.7	737.0
57.5°	724.4	716.5	724.4	734.7	745.0	754.7	764.3	760.4	756.4	739.6	722.8
60°	705.1	696.9	705.1	715.7	726.2	735.6	745.2	740.8	736.5	719.6	702.6
62.5°	675.1	665.2	675.1	686.2	697.3	705.9	714.4	710.2	706.0	690.5	675.1
65°	635.0	626.6	635.0	645.8	656.5	664.7	673.0	668.7	664.4	650.8	637.1
67.5°	590.5	582.9	590.5	600.5	610.6	618.2	625.8	621.6	617.4	605.6	593.8
70°	543.7	534.9	543.7	553.3	562.8	569.0	575.1	571.1	567.1	556.5	545.8
72.5°	491.1	482.6	491.1	500.1	509.3	514.4	519.6	514.8	509.9	499.6	489.1
75°	432.9	424.8	432.9	440.5	448.2	450.7	453.3	448.2	443.2	433.7	424.2
77.5°	366.3	359.9	366.3	374.0	381.8	385.4	388.9	384.2	379.6	369.6	359.6
80°	292.4	280.2	292.4	302.9	313.2	314.8	316.3	310.1	303.8	296.3	288.7
82.5°	217.1	209.4	217.1	226.0	234.7	235.4	236.2	225.5	214.9	198.8	182.7
85°	134.1	127.1	134.1	140.9	147.8	148.8	150.0	136.8	123.8	108.6	93.5
87.5°	55.1	51.8	55.1	58.7	62.3	63.7	65.0	59.8	54.4	48.1	41.7
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1341.7	1350.0	1358.2	1366.5	1375.9	1385.3	1395.7	1406.2	1419.1	1430.7	1442.7
5°	1278.7	1291.9	1306.5	1321.1	1337.6	1354.2	1374.0	1393.8	1416.3	1439.3	1463.6
7.5°	1240.0	1256.3	1274.8	1293.1	1315.0	1336.8	1363.0	1389.3	1418.6	1449.9	1483.7
10°	1234.5	1252.8	1272.6	1292.4	1314.3	1336.1	1363.8	1391.4	1422.9	1461.4	1501.6
12.5°	1270.1	1288.9	1304.4	1320.0	1334.4	1348.9	1371.6	1394.2	1423.5	1464.0	1509.3
15°	1340.4	1356.8	1360.8	1364.9	1362.9	1360.9	1371.8	1382.6	1406.0	1450.9	1503.4
17.5°	1414.6	1427.8	1415.2	1402.6	1378.8	1355.0	1351.2	1347.2	1361.6	1414.4	1477.4
20°	1455.8	1462.0	1435.5	1409.1	1367.7	1326.5	1307.9	1289.3	1293.1	1354.6	1432.8
22.5°	1445.5	1441.8	1407.3	1372.9	1325.7	1278.6	1251.1	1223.7	1216.3	1286.3	1380.4
25°	1388.6	1375.9	1342.0	1308.1	1265.8	1223.3	1191.8	1160.1	1139.9	1211.7	1321.8
27.5°	1303.6	1289.4	1262.4	1235.2	1200.4	1165.5	1135.0	1104.4	1079.9	1145.2	1268.4
30°	1218.4	1207.0	1184.4	1161.9	1133.0	1104.1	1079.7	1055.5	1036.3	1091.1	1223.6
32.5°	1143.5	1130.8	1109.2	1087.6	1064.5	1041.4	1027.0	1012.7	1004.2	1048.3	1185.1
35°	1073.4	1058.1	1036.7	1015.4	997.7	980.1	976.2	972.2	975.8	1012.6	1147.3
37.5°	1007.9	989.0	967.7	946.4	933.8	921.1	925.5	929.8	942.8	975.0	1102.6
40°	944.7	923.1	902.4	881.8	872.7	863.7	873.5	883.3	903.2	932.4	1049.4
42.5°	885.3	861.8	842.2	822.8	815.3	807.8	820.9	834.0	859.1	886.0	990.7
45°	833.4	809.1	790.6	772.0	765.7	759.5	772.1	784.9	809.2	836.5	928.3
47.5°	791.7	767.7	749.7	731.5	725.7	719.8	730.5	741.2	762.1	797.2	878.9
50°	757.8	736.3	719.1	702.0	692.8	683.7	693.1	702.6	726.8	773.2	846.1
52.5°	734.1	714.0	698.4	682.6	668.9	655.2	664.5	673.8	707.8	761.0	824.6
55°	719.4	701.9	685.0	668.1	648.5	628.9	643.8	658.6	709.7	759.1	808.9
57.5°	705.4	688.1	668.2	648.3	627.3	606.3	627.8	649.4	711.6	755.2	790.4
60°	684.9	667.3	644.5	621.8	603.3	584.9	612.8	640.8	705.6	734.4	762.1
62.5°	656.2	637.4	610.8	584.2	572.6	560.9	595.8	630.8	690.8	694.4	712.8
65°	619.2	601.2	572.7	544.2	539.8	535.2	572.5	609.7	655.5	655.0	663.7
67.5°	576.8	559.8	533.4	507.1	508.5	509.9	540.9	571.8	597.7	598.8	594.0
70°	531.2	516.4	493.2	470.2	475.1	480.0	501.9	524.0	532.5	532.5	510.0
72.5°	475.8	462.5	444.3	426.1	433.3	440.4	455.6	470.7	470.6	465.2	433.5
75°	412.2	400.2	386.6	373.1	380.0	386.8	398.5	410.2	412.3	387.6	351.9
77.5°	349.2	338.9	327.9	316.9	323.9	330.9	340.2	349.5	350.7	310.0	275.4
80°	280.0	271.3	262.2	253.0	258.9	264.8	272.5	280.3	280.5	232.1	202.7
82.5°	185.7	188.8	189.5	190.3	194.4	198.6	202.4	206.2	204.0	162.5	140.9
85°	102.0	110.4	114.4	118.3	123.0	127.6	131.7	135.8	132.7	102.0	86.2
87.5°	48.2	54.6	54.8	54.9	55.9	56.7	58.3	60.0	56.2	43.4	36.9
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: P962083

CATALOG NUMBER: NAV-SB2B-830-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1	1421.1
2.5°	1454.7	1467.3	1479.8	1492.2	1504.7	1516.5	1528.2
5°	1487.8	1513.8	1539.8	1565.6	1591.4	1617.3	1643.2
7.5°	1517.5	1555.9	1594.4	1634.0	1673.4	1716.1	1758.8
10°	1541.6	1588.3	1635.1	1687.2	1739.3	1793.4	1847.5
12.5°	1554.6	1609.7	1664.8	1723.8	1783.0	1842.3	1901.7
15°	1555.8	1619.2	1682.6	1746.8	1810.9	1872.8	1934.7
17.5°	1540.6	1614.2	1687.8	1757.8	1827.7	1890.5	1953.2
20°	1511.0	1600.2	1689.4	1766.3	1843.2	1908.4	1973.6
22.5°	1474.6	1583.1	1691.6	1777.9	1864.1	1930.8	1997.4
25°	1432.2	1566.2	1700.2	1798.8	1897.4	1962.6	2028.0
27.5°	1391.5	1554.9	1718.2	1831.5	1944.7	2007.1	2069.4
30°	1356.3	1549.6	1742.8	1873.9	2004.9	2065.1	2125.2
32.5°	1321.8	1543.0	1764.1	1918.1	2072.1	2131.6	2191.2
35°	1281.9	1530.7	1779.7	1968.5	2157.3	2214.4	2271.4
37.5°	1230.3	1509.6	1788.9	2024.9	2260.8	2333.6	2406.4
40°	1166.3	1480.6	1794.8	2096.5	2398.3	2504.3	2610.3
42.5°	1095.4	1450.6	1805.8	2190.3	2574.7	2727.7	2880.8
45°	1020.1	1422.7	1825.3	2313.6	2801.9	3008.4	3214.7
47.5°	960.7	1399.7	1838.7	2445.0	3051.4	3342.0	3632.4
50°	919.2	1374.6	1830.0	2567.0	3304.0	3742.0	4180.0
52.5°	888.3	1332.3	1776.3	2646.1	3516.1	4162.2	4808.4
55°	858.7	1262.0	1665.3	2628.7	3592.1	4534.7	5477.4
57.5°	825.5	1163.0	1500.4	2505.9	3511.5	4798.7	6085.9
60°	789.7	1034.4	1279.1	2277.3	3275.7	4864.8	6453.7
62.5°	731.1	880.6	1029.9	1968.4	2906.8	4586.9	6267.0
65°	672.3	742.1	811.8	1653.1	2494.4	4193.8	5893.2
67.5°	589.2	609.1	628.8	1344.3	2059.6	3726.0	5392.3
70°	487.6	482.0	476.3	1058.4	1640.5	3215.5	4790.6
72.5°	401.6	384.5	367.5	809.1	1250.9	2662.2	4073.6
75°	316.3	300.7	285.3	587.3	889.3	2027.9	3166.5
77.5°	240.8	230.2	219.7	397.9	576.3	1419.3	2262.4
80°	173.4	169.0	164.7	256.4	348.2	914.4	1480.7
82.5°	119.3	118.4	117.7	157.7	197.8	529.2	860.7
85°	70.3	70.8	71.1	84.3	97.5	238.1	378.7
87.5°	30.4	30.9	31.2	35.0	38.7	78.0	117.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)