

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: P963697

Luminaire Tested: **NAV-SB3A-835-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963697
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-SB3A-835-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

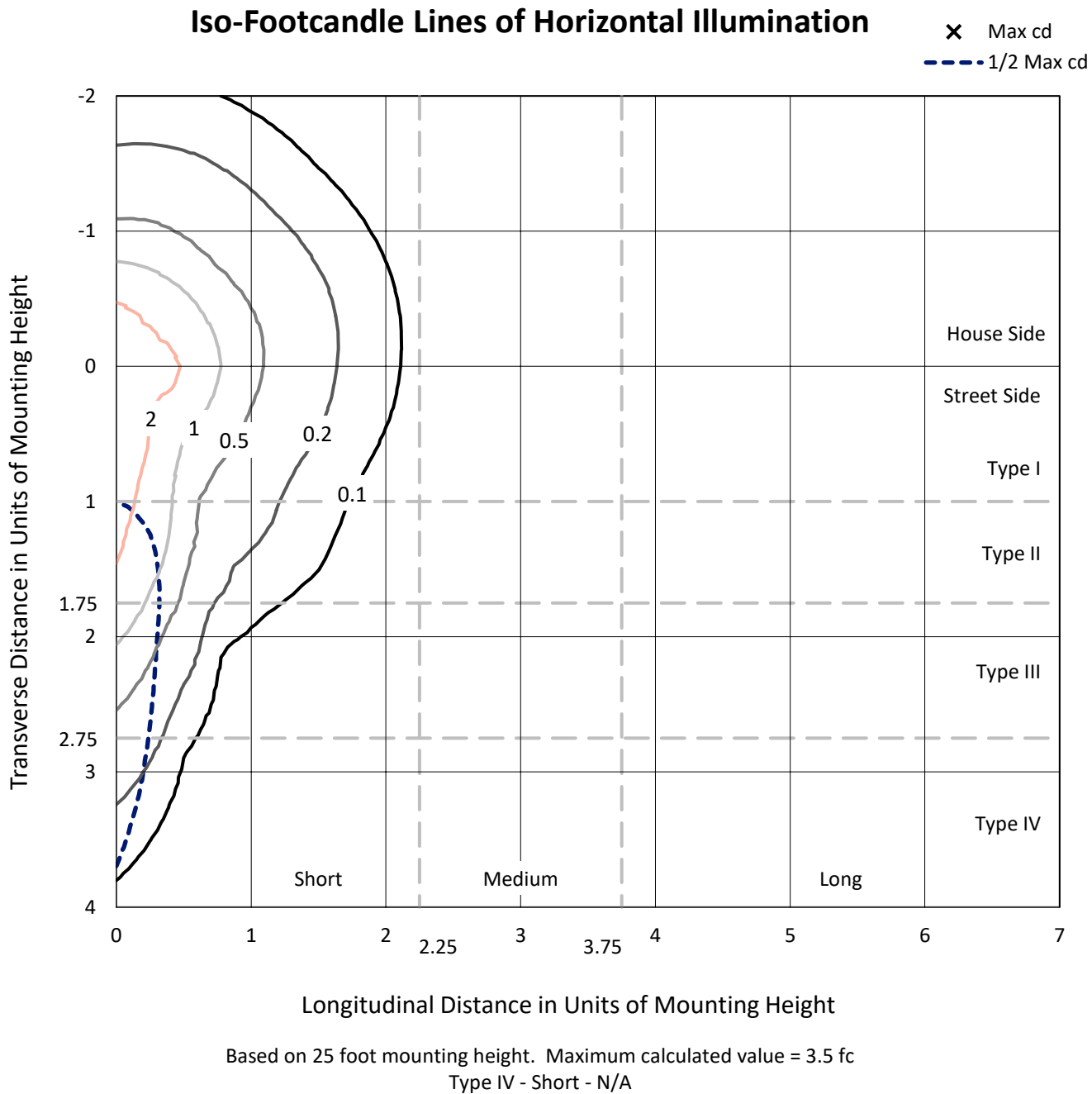
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12750 lumens
Efficiency: N/A
Efficacy: 150.5 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): 84.7
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

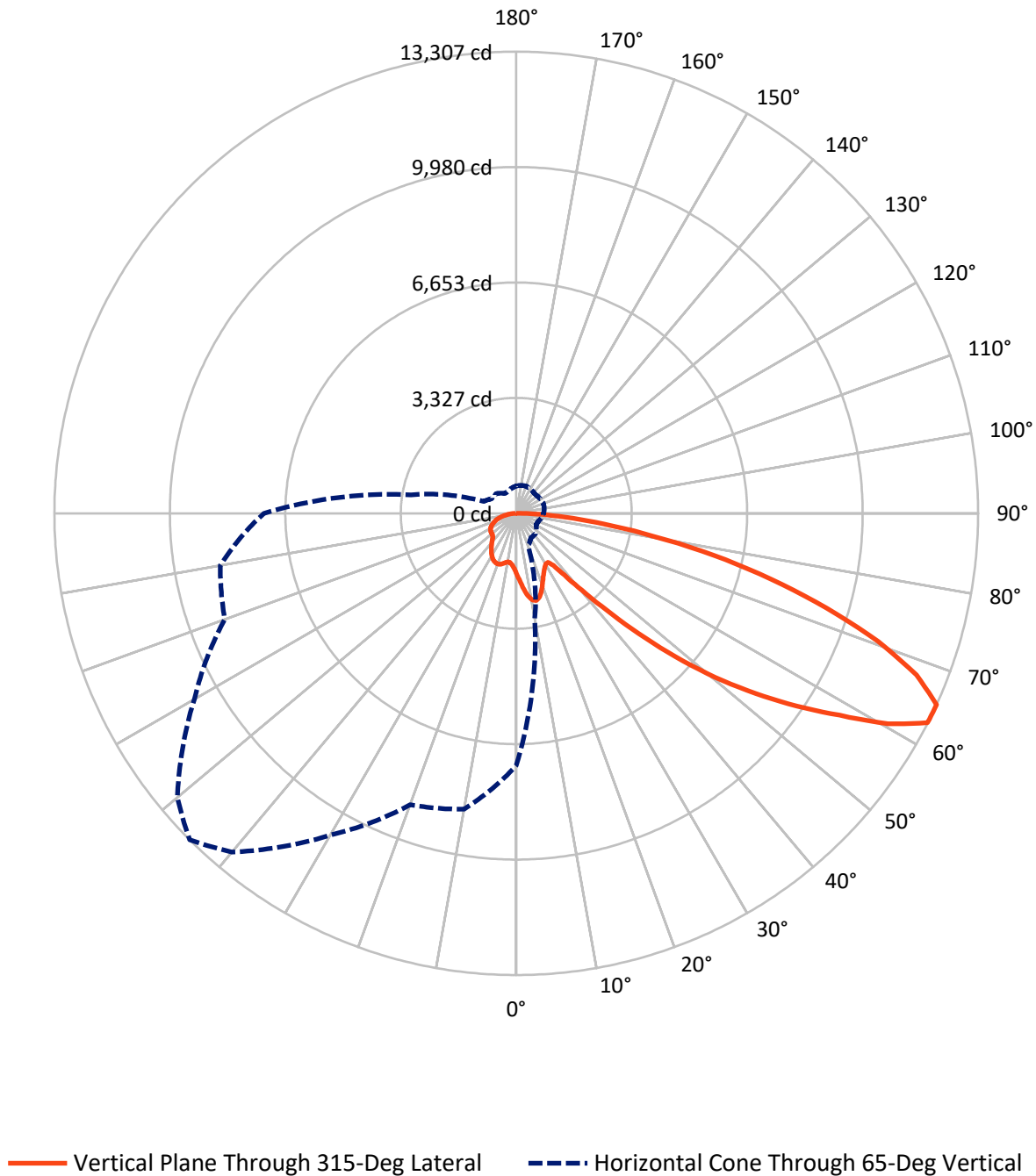


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Luminous Intensity Polar Plot



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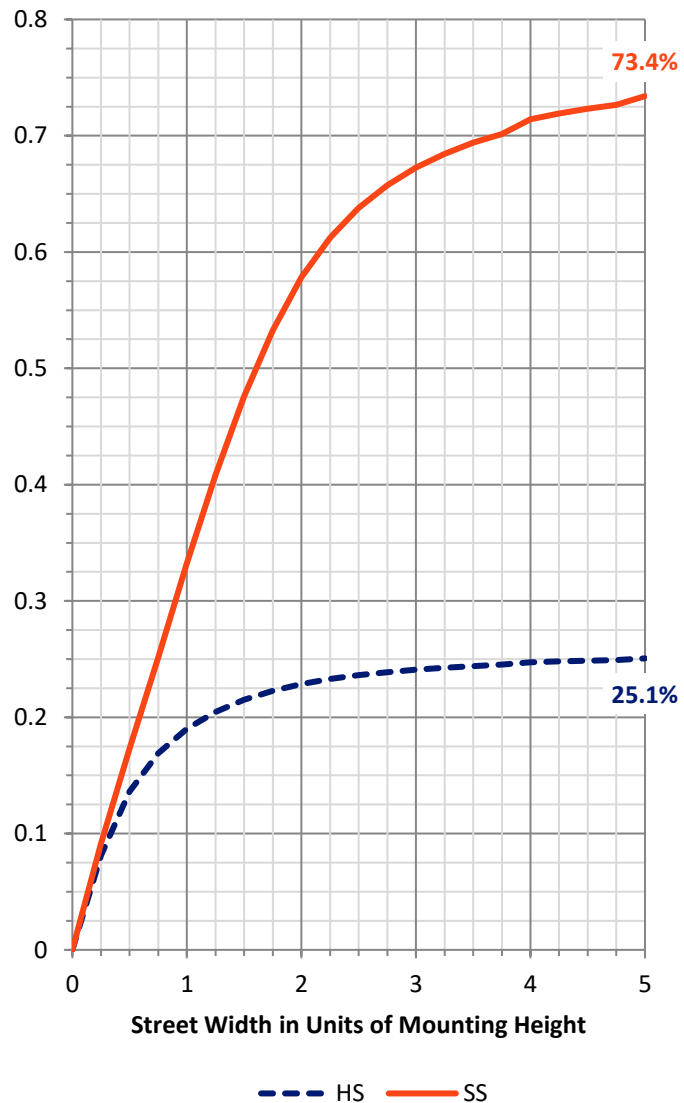
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3240.4	0.0	3240.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	9509.6	0.0	9509.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	12750.0	0.0	12750.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.9	1.4
10°-20°	546.0	4.3
20°-30°	843.3	6.6
30°-40°	1068.7	8.4
40°-50°	1611.9	12.6
50°-60°	2604.2	20.4
60°-70°	3246.6	25.5
70°-80°	2129.0	16.7
80°-90°	526.3	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°	12750.0	100.0
0°-180°	12750.0	100.0

Coefficient of Utilization



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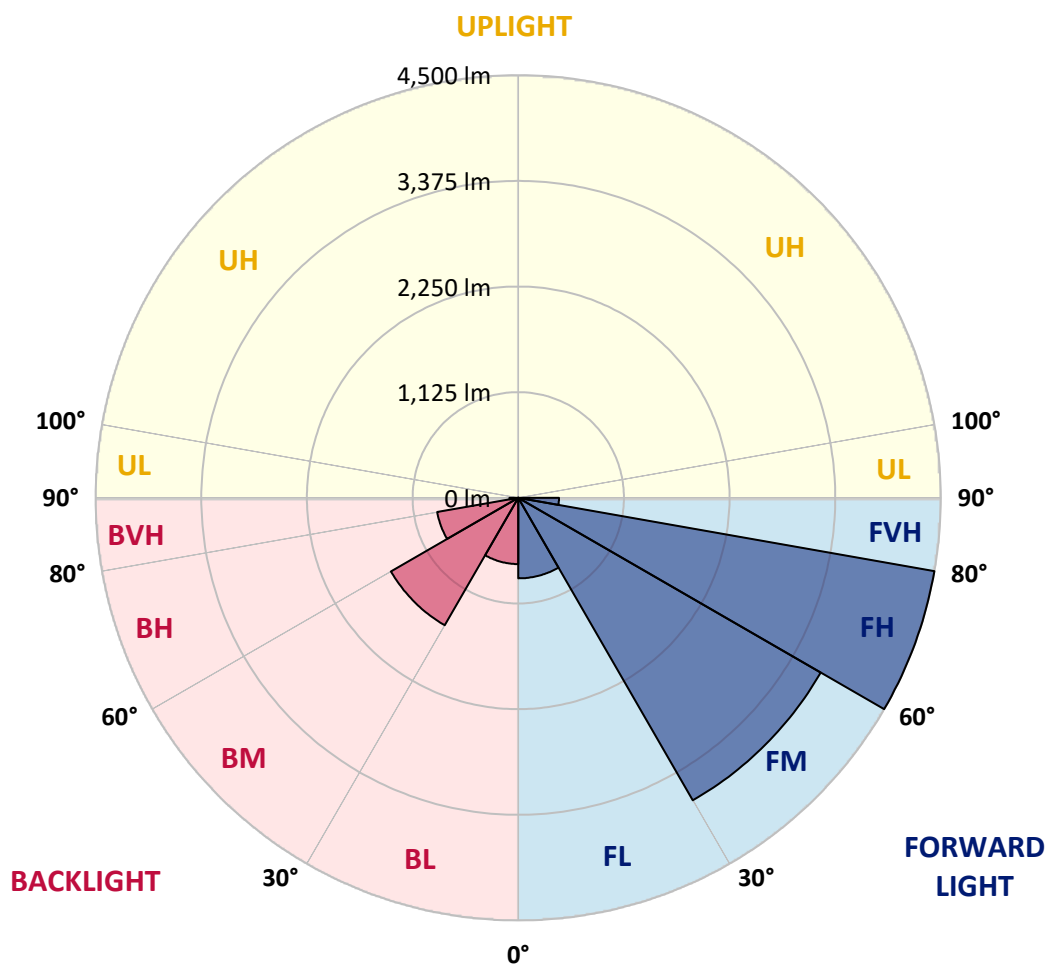
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	857.6	6.7			
FM	(30°-60°)	3718.9	29.2			
FH	(60°-80°)	4499.5	35.3			G2/5000
FVH	(80°-90°)	433.6	3.4			G3/500
BL	(0°-30°)	705.6	5.5	B2/1000		
BM	(30°-60°)	1566.0	12.3	B2/2500		
BH	(60°-80°)	876.1	6.9	B2/1000		G2/1000
BVH	(80°-90°)	92.7	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°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1885.4	1870.9	1856.5	1841.1	1825.7	1810.3	1794.8	1780.0	1765.3	1750.9	1734.9
5°	2027.3	1995.5	1963.5	1931.6	1899.7	1867.7	1835.7	1805.7	1775.8	1747.5	1719.6
7.5°	2170.0	2117.2	2064.6	2015.9	1967.2	1919.7	1872.3	1830.5	1788.7	1750.2	1714.1
10°	2279.3	2212.7	2146.0	2081.6	2017.3	1959.7	1902.1	1852.7	1803.2	1755.6	1716.8
12.5°	2346.2	2273.0	2199.9	2126.9	2054.0	1986.0	1918.1	1862.1	1806.3	1756.2	1720.2
15°	2387.0	2310.7	2234.3	2155.2	2076.0	1997.8	1919.5	1854.8	1790.1	1734.7	1705.8
17.5°	2409.9	2332.4	2255.0	2168.7	2082.4	1991.6	1900.7	1822.9	1745.1	1679.9	1662.0
20°	2435.1	2354.6	2274.1	2179.3	2084.3	1974.3	1864.3	1767.7	1671.3	1595.5	1590.8
22.5°	2464.3	2382.1	2299.9	2193.5	2087.1	1953.1	1819.3	1703.1	1586.9	1500.6	1509.8
25°	2502.0	2421.5	2340.9	2219.3	2097.7	1932.3	1767.0	1630.9	1494.9	1406.4	1431.3
27.5°	2553.2	2476.3	2399.4	2259.7	2119.9	1918.4	1716.9	1565.0	1413.0	1332.4	1362.7
30°	2622.2	2547.8	2473.6	2312.0	2150.3	1911.8	1673.3	1509.7	1346.2	1278.6	1302.4
32.5°	2703.5	2629.9	2556.6	2366.5	2176.6	1903.8	1630.9	1462.2	1293.3	1238.9	1249.5
35°	2802.5	2732.0	2661.6	2428.7	2195.8	1888.6	1581.6	1415.4	1249.4	1204.0	1199.6
37.5°	2968.9	2879.2	2789.4	2498.3	2207.2	1862.5	1517.9	1360.4	1202.9	1163.2	1147.2
40°	3220.5	3089.8	2959.0	2586.7	2214.4	1826.7	1439.1	1294.8	1150.5	1114.5	1089.9
42.5°	3554.2	3365.5	3176.7	2702.4	2228.0	1789.6	1351.5	1222.3	1093.2	1060.0	1029.0
45°	3966.3	3711.6	3457.0	2854.5	2252.1	1755.3	1258.6	1145.3	1032.1	998.4	968.4
47.5°	4481.6	4123.3	3764.8	3016.7	2268.5	1726.9	1185.3	1084.4	983.6	940.2	914.4
50°	5157.1	4616.8	4076.4	3167.1	2257.8	1696.0	1134.2	1044.0	953.9	896.8	866.8
52.5°	5932.5	5135.2	4338.0	3264.8	2191.6	1643.7	1095.9	1017.3	938.8	873.3	831.4
55°	6757.9	5594.9	4431.9	3243.3	2054.6	1557.1	1059.4	998.0	936.6	875.7	812.5
57.5°	7508.7	5920.6	4332.5	3091.8	1851.2	1434.9	1018.5	975.2	931.8	877.9	801.2
60°	7962.5	6002.0	4041.5	2809.8	1578.2	1276.2	974.3	940.2	906.1	870.5	790.7
62.5°	7732.1	5659.2	3586.4	2428.5	1270.7	1086.4	902.0	879.3	856.8	852.4	778.3
65°	7270.9	5174.3	3077.6	2039.5	1001.6	915.5	829.5	818.9	808.1	808.6	752.1
67.5°	6653.0	4597.1	2541.2	1658.6	775.8	751.4	726.9	732.9	738.8	737.4	705.6
70°	5910.6	3967.3	2024.1	1305.8	587.6	594.7	601.6	629.3	656.9	656.9	646.6
72.5°	5025.9	3284.6	1543.3	998.4	453.4	474.4	495.5	534.7	574.0	580.6	580.8
75°	3906.8	2501.9	1097.2	724.6	352.0	371.0	390.2	434.2	478.2	508.6	506.0
77.5°	2791.3	1751.1	710.9	491.0	271.0	283.9	297.0	339.8	382.4	432.6	431.2
80°	1826.9	1128.2	429.6	316.3	203.2	208.6	213.9	250.1	286.3	346.1	345.9
82.5°	1062.0	653.0	244.1	194.5	145.1	146.2	147.2	173.8	200.5	251.6	254.4
85°	467.2	293.8	120.3	104.0	87.8	87.3	86.8	106.3	125.8	163.8	167.5
87.5°	144.6	96.2	47.8	43.2	38.4	38.0	37.5	45.5	53.5	69.3	74.0
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°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1722.0	1709.2	1697.5	1685.9	1675.8	1665.6	1655.4	1645.2	1637.3	1629.4	1623.1
5°	1695.2	1670.9	1650.4	1630.0	1611.9	1593.9	1577.6	1561.2	1548.6	1536.0	1527.1
7.5°	1681.6	1649.3	1622.4	1595.5	1572.8	1550.0	1530.0	1510.0	1495.1	1480.1	1469.5
10°	1682.6	1648.4	1621.6	1594.6	1570.2	1545.7	1523.1	1500.6	1482.7	1464.7	1453.0
12.5°	1692.2	1664.3	1646.4	1628.6	1609.4	1590.3	1566.9	1543.6	1520.8	1497.9	1482.8
15°	1692.4	1679.1	1681.5	1684.0	1679.0	1674.0	1653.7	1633.4	1600.9	1568.4	1545.4
17.5°	1667.0	1671.9	1701.2	1730.5	1746.1	1761.7	1745.3	1729.0	1685.9	1642.8	1608.8
20°	1613.7	1636.5	1687.5	1738.4	1771.1	1803.7	1796.1	1788.5	1739.2	1690.0	1648.4
22.5°	1543.6	1577.5	1635.6	1693.9	1736.4	1778.8	1783.4	1787.9	1740.8	1693.7	1650.9
25°	1470.4	1509.3	1561.6	1614.0	1655.8	1697.5	1713.2	1728.7	1690.0	1651.5	1613.5
27.5°	1400.4	1438.1	1481.0	1524.0	1557.5	1591.0	1608.3	1625.8	1598.2	1570.8	1541.3
30°	1332.2	1362.2	1397.9	1433.6	1461.3	1489.1	1503.3	1517.4	1496.5	1475.5	1454.4
32.5°	1267.2	1284.8	1313.3	1341.8	1368.5	1395.2	1410.8	1426.6	1407.3	1388.1	1371.1
35°	1204.4	1209.3	1231.0	1252.7	1279.1	1305.5	1324.3	1343.2	1329.4	1315.8	1300.2
37.5°	1141.8	1136.4	1152.0	1167.6	1193.9	1220.3	1243.5	1266.8	1260.5	1254.2	1239.8
40°	1077.7	1065.5	1076.8	1088.0	1113.5	1138.9	1165.6	1192.5	1194.0	1195.5	1183.4
42.5°	1012.8	996.7	1005.8	1015.1	1039.1	1063.3	1092.2	1121.1	1128.9	1136.6	1126.4
45°	952.7	937.1	944.7	952.5	975.4	998.2	1028.3	1058.3	1069.4	1080.5	1071.2
47.5°	901.3	888.1	895.3	902.5	925.0	947.3	976.8	1006.4	1019.3	1032.1	1025.6
50°	855.2	843.5	854.8	866.2	887.3	908.4	934.9	961.3	977.8	994.2	993.8
52.5°	819.8	808.3	825.3	842.3	861.7	881.0	905.7	930.4	949.9	969.3	972.8
55°	794.3	776.0	800.2	824.3	845.1	866.0	887.6	909.3	929.9	950.5	955.3
57.5°	774.6	747.9	774.0	799.9	824.4	848.9	870.3	891.7	912.6	933.3	938.2
60°	756.1	721.5	744.4	767.1	795.2	823.4	845.1	866.8	887.8	908.6	914.0
62.5°	735.0	692.0	706.4	720.9	753.7	786.5	809.6	832.9	852.0	871.1	876.3
65°	706.2	660.3	665.9	671.4	706.5	741.7	763.9	786.2	803.0	819.8	825.1
67.5°	667.4	629.1	627.4	625.7	658.0	690.6	711.7	732.7	747.2	761.7	766.9
70°	619.3	592.1	586.1	580.0	608.5	637.1	655.3	673.4	686.5	699.7	704.7
72.5°	562.1	543.5	534.5	525.7	548.3	570.6	587.0	603.5	616.3	629.1	635.1
75°	491.7	477.3	468.8	460.3	477.0	493.6	508.5	523.4	535.2	546.8	553.0
77.5°	419.7	408.3	399.6	391.0	404.6	418.1	430.9	443.7	456.0	468.2	474.1
80°	336.3	326.7	319.4	312.2	323.5	334.7	345.4	356.2	365.6	374.8	382.5
82.5°	249.7	245.0	240.0	234.8	233.9	232.9	229.2	225.4	245.3	265.2	278.3
85°	162.5	157.4	151.7	146.0	141.1	136.2	125.8	115.4	134.0	152.7	168.8
87.5°	72.0	70.0	68.9	67.9	67.6	67.4	59.4	51.5	59.2	67.1	73.7
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°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1616.6	1611.7	1606.7	1602.2	1597.5	1591.7	1597.5	1602.2	1606.7	1611.7	1616.6
5°	1518.3	1512.1	1505.8	1501.0	1496.2	1491.5	1496.2	1501.0	1505.8	1512.1	1518.3
7.5°	1459.1	1451.9	1444.7	1440.4	1436.2	1432.9	1436.2	1440.4	1444.7	1451.9	1459.1
10°	1441.3	1434.4	1427.6	1423.9	1420.3	1418.9	1420.3	1423.9	1427.6	1434.4	1441.3
12.5°	1467.6	1460.0	1452.5	1449.5	1446.3	1445.8	1446.3	1449.5	1452.5	1460.0	1467.6
15°	1522.3	1511.8	1501.3	1497.2	1493.2	1492.9	1493.2	1497.2	1501.3	1511.8	1522.3
17.5°	1574.9	1559.3	1543.6	1538.5	1533.4	1532.6	1533.4	1538.5	1543.6	1559.3	1574.9
20°	1606.9	1586.9	1566.9	1560.5	1554.1	1552.1	1554.1	1560.5	1566.9	1586.9	1606.9
22.5°	1608.0	1587.0	1565.9	1558.8	1551.7	1548.7	1551.7	1558.8	1565.9	1587.0	1608.0
25°	1575.5	1557.2	1538.9	1532.3	1525.7	1521.8	1525.7	1532.3	1538.9	1557.2	1575.5
27.5°	1511.7	1499.5	1487.2	1484.1	1481.1	1480.1	1481.1	1484.1	1487.2	1499.5	1511.7
30°	1433.2	1426.9	1420.5	1420.5	1420.5	1421.6	1420.5	1420.5	1420.5	1426.9	1433.2
32.5°	1354.2	1350.1	1346.0	1346.6	1347.3	1348.2	1347.3	1346.6	1346.0	1350.1	1354.2
35°	1284.6	1278.4	1272.2	1270.9	1269.5	1268.8	1269.5	1270.9	1272.2	1278.4	1284.6
37.5°	1225.5	1214.1	1202.7	1196.8	1190.8	1187.5	1190.8	1196.8	1202.7	1214.1	1225.5
40°	1171.2	1154.6	1138.2	1127.0	1116.0	1109.4	1116.0	1127.0	1138.2	1154.6	1171.2
42.5°	1116.1	1095.6	1075.1	1058.8	1042.6	1032.1	1042.6	1058.8	1075.1	1095.6	1116.1
45°	1062.0	1038.5	1015.1	996.0	977.0	964.7	977.0	996.0	1015.1	1038.5	1062.0
47.5°	1019.2	998.2	977.4	959.8	942.2	930.4	942.2	959.8	977.4	998.2	1019.2
50°	993.5	976.8	960.2	943.9	927.6	916.4	927.6	943.9	960.2	976.8	993.5
52.5°	976.3	962.7	949.1	934.5	920.0	909.6	920.0	934.5	949.1	962.7	976.3
55°	960.2	948.3	936.5	923.7	910.9	901.5	910.9	923.7	936.5	948.3	960.2
57.5°	943.1	931.1	919.1	906.5	893.8	884.1	893.8	906.5	919.1	931.1	943.1
60°	919.3	907.6	896.0	882.9	869.9	859.8	869.9	882.9	896.0	907.6	919.3
62.5°	881.5	870.9	860.4	846.6	832.9	820.8	832.9	846.6	860.4	870.9	881.5
65°	830.4	820.2	810.1	796.7	783.4	773.1	783.4	796.7	810.1	820.2	830.4
67.5°	772.0	762.6	753.4	741.0	728.6	719.1	728.6	741.0	753.4	762.6	772.0
70°	709.6	702.0	694.4	682.5	670.8	660.0	670.8	682.5	694.4	702.0	709.6
72.5°	641.0	634.7	628.3	617.0	605.9	595.4	605.9	617.0	628.3	634.7	641.0
75°	559.2	556.1	553.0	543.6	534.0	524.1	534.0	543.6	553.0	556.1	559.2
77.5°	479.8	475.5	471.1	461.6	451.9	444.0	451.9	461.6	471.1	475.5	479.8
80°	390.2	388.3	386.5	373.6	360.7	345.8	360.7	373.6	386.5	388.3	390.2
82.5°	291.3	290.5	289.7	278.8	267.9	258.3	267.9	278.8	289.7	290.5	291.3
85°	185.0	183.7	182.3	173.8	165.3	156.7	165.3	173.8	182.3	183.7	185.0
87.5°	80.2	78.6	76.9	72.6	68.1	64.0	68.1	72.6	76.9	78.6	80.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963697

CATALOG NUMBER: NAV-SB3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1623.1	1629.4	1637.3	1645.2	1655.4	1665.6	1675.8	1685.9	1697.5	1709.2	1722.0
5°	1527.1	1536.0	1548.6	1561.2	1577.6	1593.9	1611.9	1630.0	1650.4	1670.9	1695.2
7.5°	1469.5	1480.1	1495.1	1510.0	1530.0	1550.0	1572.8	1595.5	1622.4	1649.3	1681.6
10°	1453.0	1464.7	1482.7	1500.6	1523.1	1545.7	1570.2	1594.6	1621.6	1648.4	1682.6
12.5°	1482.8	1497.9	1520.8	1543.6	1566.9	1590.3	1609.4	1628.6	1646.4	1664.3	1692.2
15°	1545.4	1568.4	1600.9	1633.4	1653.7	1674.0	1679.0	1684.0	1681.5	1679.1	1692.4
17.5°	1608.8	1642.8	1685.9	1729.0	1745.3	1761.7	1746.1	1730.5	1701.2	1671.9	1667.0
20°	1648.4	1690.0	1739.2	1788.5	1796.1	1803.7	1771.1	1738.4	1687.5	1636.5	1613.7
22.5°	1650.9	1693.7	1740.8	1787.9	1783.4	1778.8	1736.4	1693.9	1635.6	1577.5	1543.6
25°	1613.5	1651.5	1690.0	1728.7	1713.2	1697.5	1655.8	1614.0	1561.6	1509.3	1470.4
27.5°	1541.3	1570.8	1598.2	1625.8	1608.3	1591.0	1557.5	1524.0	1481.0	1438.1	1400.4
30°	1454.4	1475.5	1496.5	1517.4	1503.3	1489.1	1461.3	1433.6	1397.9	1362.2	1332.2
32.5°	1371.1	1388.1	1407.3	1426.6	1410.8	1395.2	1368.5	1341.8	1313.3	1284.8	1267.2
35°	1300.2	1315.8	1329.4	1343.2	1324.3	1305.5	1279.1	1252.7	1231.0	1209.3	1204.4
37.5°	1239.8	1254.2	1260.5	1266.8	1243.5	1220.3	1193.9	1167.6	1152.0	1136.4	1141.8
40°	1183.4	1195.5	1194.0	1192.5	1165.6	1138.9	1113.5	1088.0	1076.8	1065.5	1077.7
42.5°	1126.4	1136.6	1128.9	1121.1	1092.2	1063.3	1039.1	1015.1	1005.8	996.7	1012.8
45°	1071.2	1080.5	1069.4	1058.3	1028.3	998.2	975.4	952.5	944.7	937.1	952.7
47.5°	1025.6	1032.1	1019.3	1006.4	976.8	947.3	925.0	902.5	895.3	888.1	901.3
50°	993.8	994.2	977.8	961.3	934.9	908.4	887.3	866.2	854.8	843.5	855.2
52.5°	972.8	969.3	949.9	930.4	905.7	881.0	861.7	842.3	825.3	808.3	819.8
55°	955.3	950.5	929.9	909.3	887.6	866.0	845.1	824.3	800.2	776.0	794.3
57.5°	938.2	933.3	912.6	891.7	870.3	848.9	824.4	799.9	774.0	747.9	774.6
60°	914.0	908.6	887.8	866.8	845.1	823.4	795.2	767.1	744.4	721.5	756.1
62.5°	876.3	871.1	852.0	832.9	809.6	786.5	753.7	720.9	706.4	692.0	735.0
65°	825.1	819.8	803.0	786.2	763.9	741.7	706.5	671.4	665.9	660.3	706.2
67.5°	766.9	761.7	747.2	732.7	711.7	690.6	658.0	625.7	627.4	629.1	667.4
70°	704.7	699.7	686.5	673.4	655.3	637.1	608.5	580.0	586.1	592.1	619.3
72.5°	635.1	629.1	616.3	603.5	587.0	570.6	548.3	525.7	534.5	543.5	562.1
75°	553.0	546.8	535.2	523.4	508.5	493.6	477.0	460.3	468.8	477.3	491.7
77.5°	474.1	468.2	456.0	443.7	430.9	418.1	404.6	391.0	399.6	408.3	419.7
80°	382.5	374.8	365.6	356.2	345.4	334.7	323.5	312.2	319.4	326.7	336.3
82.5°	278.3	265.2	245.3	225.4	229.2	232.9	233.9	234.8	240.0	245.0	249.7
85°	168.8	152.7	134.0	115.4	125.8	136.2	141.1	146.0	151.7	157.4	162.5
87.5°	73.7	67.1	59.2	51.5	59.4	67.4	67.6	67.9	68.9	70.0	72.0
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: P963697

CATALOG NUMBER: NAV-SB3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1734.9	1750.9	1765.3	1780.0	1794.8	1810.3	1825.7	1841.1	1856.5	1870.9	1885.4
5°	1719.6	1747.5	1775.8	1805.7	1835.7	1867.7	1899.7	1931.6	1963.5	1995.5	2027.3
7.5°	1714.1	1750.2	1788.7	1830.5	1872.3	1919.7	1967.2	2015.9	2064.6	2117.2	2170.0
10°	1716.8	1755.6	1803.2	1852.7	1902.1	1959.7	2017.3	2081.6	2146.0	2212.7	2279.3
12.5°	1720.2	1756.2	1806.3	1862.1	1918.1	1986.0	2054.0	2126.9	2199.9	2273.0	2346.2
15°	1705.8	1734.7	1790.1	1854.8	1919.5	1997.8	2076.0	2155.2	2234.3	2310.7	2387.0
17.5°	1662.0	1679.9	1745.1	1822.9	1900.7	1991.6	2082.4	2168.7	2255.0	2332.4	2409.9
20°	1590.8	1595.5	1671.3	1767.7	1864.3	1974.3	2084.3	2179.3	2274.1	2354.6	2435.1
22.5°	1509.8	1500.6	1586.9	1703.1	1819.3	1953.1	2087.1	2193.5	2299.9	2382.1	2464.3
25°	1431.3	1406.4	1494.9	1630.9	1767.0	1932.3	2097.7	2219.3	2340.9	2421.5	2502.0
27.5°	1362.7	1332.4	1413.0	1565.0	1716.9	1918.4	2119.9	2259.7	2399.4	2476.3	2553.2
30°	1302.4	1278.6	1346.2	1509.7	1673.3	1911.8	2150.3	2312.0	2473.6	2547.8	2622.2
32.5°	1249.5	1238.9	1293.3	1462.2	1630.9	1903.8	2176.6	2366.5	2556.6	2629.9	2703.5
35°	1199.6	1204.0	1249.4	1415.4	1581.6	1888.6	2195.8	2428.7	2661.6	2732.0	2802.5
37.5°	1147.2	1163.2	1202.9	1360.4	1517.9	1862.5	2207.2	2498.3	2789.4	2879.2	2968.9
40°	1089.9	1114.5	1150.5	1294.8	1439.1	1826.7	2214.4	2586.7	2959.0	3089.8	3220.5
42.5°	1029.0	1060.0	1093.2	1222.3	1351.5	1789.6	2228.0	2702.4	3176.7	3365.5	3554.2
45°	968.4	998.4	1032.1	1145.3	1258.6	1755.3	2252.1	2854.5	3457.0	3711.6	3966.3
47.5°	914.4	940.2	983.6	1084.4	1185.3	1726.9	2268.5	3016.7	3764.8	4123.3	4481.6
50°	866.8	896.8	953.9	1044.0	1134.2	1696.0	2257.8	3167.1	4076.4	4616.8	5157.1
52.5°	831.4	873.3	938.8	1017.3	1095.9	1643.7	2191.6	3264.8	4338.0	5135.2	5932.5
55°	812.5	875.7	936.6	998.0	1059.4	1557.1	2054.6	3243.3	4431.9	5594.9	6757.9
57.5°	801.2	877.9	931.8	975.2	1018.5	1434.9	1851.2	3091.8	4332.5	5920.6	7508.7
60°	790.7	870.5	906.1	940.2	974.3	1276.2	1578.2	2809.8	4041.5	6002.0	7962.5
62.5°	778.3	852.4	856.8	879.3	902.0	1086.4	1270.7	2428.5	3586.4	5659.2	7732.1
65°	752.1	808.6	808.1	818.9	829.5	915.5	1001.6	2039.5	3077.6	5174.3	7270.9
67.5°	705.6	737.4	738.8	732.9	726.9	751.4	775.8	1658.6	2541.2	4597.1	6653.0
70°	646.6	656.9	656.9	629.3	601.6	594.7	587.6	1305.8	2024.1	3967.3	5910.6
72.5°	580.8	580.6	574.0	534.7	495.5	474.4	453.4	998.4	1543.3	3284.6	5025.9
75°	506.0	508.6	478.2	434.2	390.2	371.0	352.0	724.6	1097.2	2501.9	3906.8
77.5°	431.2	432.6	382.4	339.8	297.0	283.9	271.0	491.0	710.9	1751.1	2791.3
80°	345.9	346.1	286.3	250.1	213.9	208.6	203.2	316.3	429.6	1128.2	1826.9
82.5°	254.4	251.6	200.5	173.8	147.2	146.2	145.1	194.5	244.1	653.0	1062.0
85°	167.5	163.8	125.8	106.3	86.8	87.3	87.8	104.0	120.3	293.8	467.2
87.5°	74.0	69.3	53.5	45.5	37.5	38.0	38.4	43.2	47.8	96.2	144.6
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: P963697

CATALOG NUMBER: NAV-SB3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1892.6	1899.7	1909.9	1920.0	1926.2	1932.2	1935.2	1938.3	1936.9	1938.3	1935.2
5°	2052.4	2077.4	2102.2	2127.0	2140.4	2153.8	2162.0	2170.2	2176.4	2170.2	2162.0
7.5°	2210.6	2251.2	2287.7	2324.3	2346.2	2368.3	2380.2	2392.0	2397.8	2392.0	2380.2
10°	2327.4	2375.4	2418.3	2461.1	2487.1	2512.9	2524.5	2536.0	2540.4	2536.0	2524.5
12.5°	2398.4	2450.4	2489.1	2527.8	2546.5	2565.4	2571.7	2578.1	2578.7	2578.1	2571.7
15°	2431.9	2476.8	2501.1	2525.4	2526.1	2526.8	2520.1	2513.3	2505.4	2513.3	2520.1
17.5°	2440.2	2470.6	2471.0	2471.4	2444.1	2417.0	2391.9	2366.9	2349.3	2366.9	2391.9
20°	2445.6	2456.3	2424.3	2392.4	2332.2	2272.1	2228.2	2184.5	2157.5	2184.5	2228.2
22.5°	2450.5	2436.6	2370.4	2304.2	2215.7	2127.3	2072.5	2017.7	1988.0	2017.7	2072.5
25°	2458.3	2414.6	2314.0	2213.5	2106.1	1998.6	1941.0	1883.6	1855.5	1883.6	1941.0
27.5°	2475.0	2396.8	2263.6	2130.6	2011.5	1892.4	1835.7	1779.1	1752.5	1779.1	1835.7
30°	2505.5	2389.0	2225.1	2061.3	1937.1	1813.1	1760.5	1708.1	1683.3	1708.1	1760.5
32.5°	2543.8	2384.3	2198.8	2013.4	1896.9	1780.3	1739.0	1697.7	1679.9	1697.7	1739.0
35°	2607.1	2411.7	2218.5	2025.4	1944.3	1863.4	1853.8	1844.2	1842.7	1844.2	1853.8
37.5°	2739.1	2509.3	2333.7	2158.1	2152.8	2147.6	2191.7	2235.6	2258.5	2235.6	2191.7
40°	2970.6	2720.7	2590.1	2459.5	2551.6	2643.9	2750.8	2857.8	2911.1	2857.8	2750.8
42.5°	3306.2	3058.3	2983.1	2907.8	3108.8	3309.9	3504.5	3699.0	3813.2	3699.0	3504.5
45°	3743.5	3520.8	3487.6	3454.4	3776.4	4098.5	4418.2	4738.0	4932.1	4738.0	4418.2
47.5°	4264.9	4048.1	4041.5	4034.7	4499.3	4963.8	5431.9	5899.8	6174.7	5899.8	5431.9
50°	4889.4	4621.7	4623.0	4624.1	5222.8	5821.6	6439.4	7057.2	7430.7	7057.2	6439.4
52.5°	5608.3	5284.3	5251.5	5218.7	5933.8	6649.1	7413.5	8177.9	8625.6	8177.9	7413.5
55°	6437.7	6117.5	5989.7	5862.0	6658.0	7453.9	8365.2	9276.5	9808.9	9276.5	8365.2
57.5°	7334.4	7159.9	6903.7	6647.4	7451.2	8254.9	9287.1	10319.3	10979.6	10319.3	9287.1
60°	8233.4	8504.3	8186.1	7867.9	8628.6	9389.1	10494.3	11599.3	12313.0	11599.3	10494.3
62.5°	8472.2	9212.3	9176.5	9140.5	9837.3	10534.2	11585.6	12636.9	13296.6	12636.9	11585.6
65°	7965.6	8660.2	8797.7	8935.0	9820.5	10706.1	11725.6	12745.1	13306.7	12745.1	11725.6
67.5°	7313.7	7974.3	8038.8	8103.1	9025.7	9948.3	10972.2	11996.1	12436.1	11996.1	10972.2
70°	6629.2	7347.8	7376.6	7405.5	8230.5	9055.6	9936.7	10817.7	11062.3	10817.7	9936.7
72.5°	5850.5	6675.2	6695.9	6716.6	7362.1	8007.6	8667.5	9327.4	9352.1	9327.4	8667.5
75°	4760.2	5613.7	5690.3	5767.0	6269.2	6771.4	7236.0	7700.5	7576.1	7700.5	7236.0
77.5°	3588.0	4384.7	4494.4	4604.1	4985.9	5367.7	5697.2	6026.7	5812.7	6026.7	5697.2
80°	2497.2	3167.4	3303.7	3440.0	3728.3	4016.6	4189.6	4362.6	4018.4	4362.6	4189.6
82.5°	1520.2	1978.5	2130.8	2283.1	2481.5	2680.0	2752.1	2824.3	2553.8	2824.3	2752.1
85°	710.4	953.7	1083.1	1212.7	1375.8	1538.7	1579.7	1620.7	1404.0	1620.7	1579.7
87.5°	226.4	308.1	380.4	452.6	534.1	615.7	619.2	622.7	522.8	622.7	619.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P963697

CATALOG NUMBER: NAV-SB3A-835-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3	1753.3
2.5°	1932.2	1926.2	1920.0	1909.9	1899.7	1892.6	1885.4
5°	2153.8	2140.4	2127.0	2102.2	2077.4	2052.4	2027.3
7.5°	2368.3	2346.2	2324.3	2287.7	2251.2	2210.6	2170.0
10°	2512.9	2487.1	2461.1	2418.3	2375.4	2327.4	2279.3
12.5°	2565.4	2546.5	2527.8	2489.1	2450.4	2398.4	2346.2
15°	2526.8	2526.1	2525.4	2501.1	2476.8	2431.9	2387.0
17.5°	2417.0	2444.1	2471.4	2471.0	2470.6	2440.2	2409.9
20°	2272.1	2332.2	2392.4	2424.3	2456.3	2445.6	2435.1
22.5°	2127.3	2215.7	2304.2	2370.4	2436.6	2450.5	2464.3
25°	1998.6	2106.1	2213.5	2314.0	2414.6	2458.3	2502.0
27.5°	1892.4	2011.5	2130.6	2263.6	2396.8	2475.0	2553.2
30°	1813.1	1937.1	2061.3	2225.1	2389.0	2505.5	2622.2
32.5°	1780.3	1896.9	2013.4	2198.8	2384.3	2543.8	2703.5
35°	1863.4	1944.3	2025.4	2218.5	2411.7	2607.1	2802.5
37.5°	2147.6	2152.8	2158.1	2333.7	2509.3	2739.1	2968.9
40°	2643.9	2551.6	2459.5	2590.1	2720.7	2970.6	3220.5
42.5°	3309.9	3108.8	2907.8	2983.1	3058.3	3306.2	3554.2
45°	4098.5	3776.4	3454.4	3487.6	3520.8	3743.5	3966.3
47.5°	4963.8	4499.3	4034.7	4041.5	4048.1	4264.9	4481.6
50°	5821.6	5222.8	4624.1	4623.0	4621.7	4889.4	5157.1
52.5°	6649.1	5933.8	5218.7	5251.5	5284.3	5608.3	5932.5
55°	7453.9	6658.0	5862.0	5989.7	6117.5	6437.7	6757.9
57.5°	8254.9	7451.2	6647.4	6903.7	7159.9	7334.4	7508.7
60°	9389.1	8628.6	7867.9	8186.1	8504.3	8233.4	7962.5
62.5°	10534.2	9837.3	9140.5	9176.5	9212.3	8472.2	7732.1
65°	10706.1	9820.5	8935.0	8797.7	8660.2	7965.6	7270.9
67.5°	9948.3	9025.7	8103.1	8038.8	7974.3	7313.7	6653.0
70°	9055.6	8230.5	7405.5	7376.6	7347.8	6629.2	5910.6
72.5°	8007.6	7362.1	6716.6	6695.9	6675.2	5850.5	5025.9
75°	6771.4	6269.2	5767.0	5690.3	5613.7	4760.2	3906.8
77.5°	5367.7	4985.9	4604.1	4494.4	4384.7	3588.0	2791.3
80°	4016.6	3728.3	3440.0	3303.7	3167.4	2497.2	1826.9
82.5°	2680.0	2481.5	2283.1	2130.8	1978.5	1520.2	1062.0
85°	1538.7	1375.8	1212.7	1083.1	953.7	710.4	467.2
87.5°	615.7	534.1	452.6	380.4	308.1	226.4	144.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)