

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: P961370

Luminaire Tested: **NAV-SB2A-730-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961370
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-SB2A-730-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9162.5 lumens
Efficiency: N/A
Efficacy: 159.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

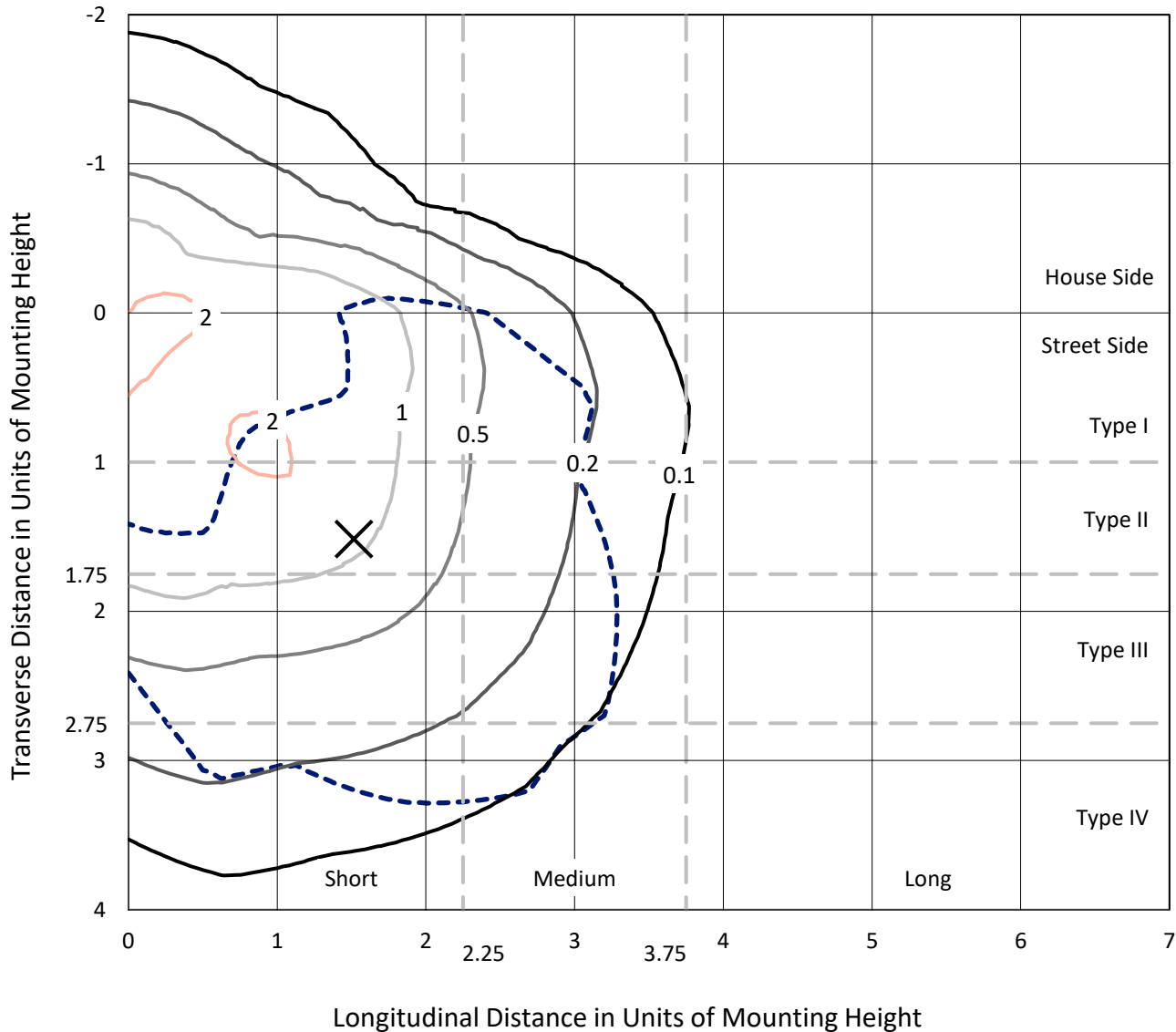
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

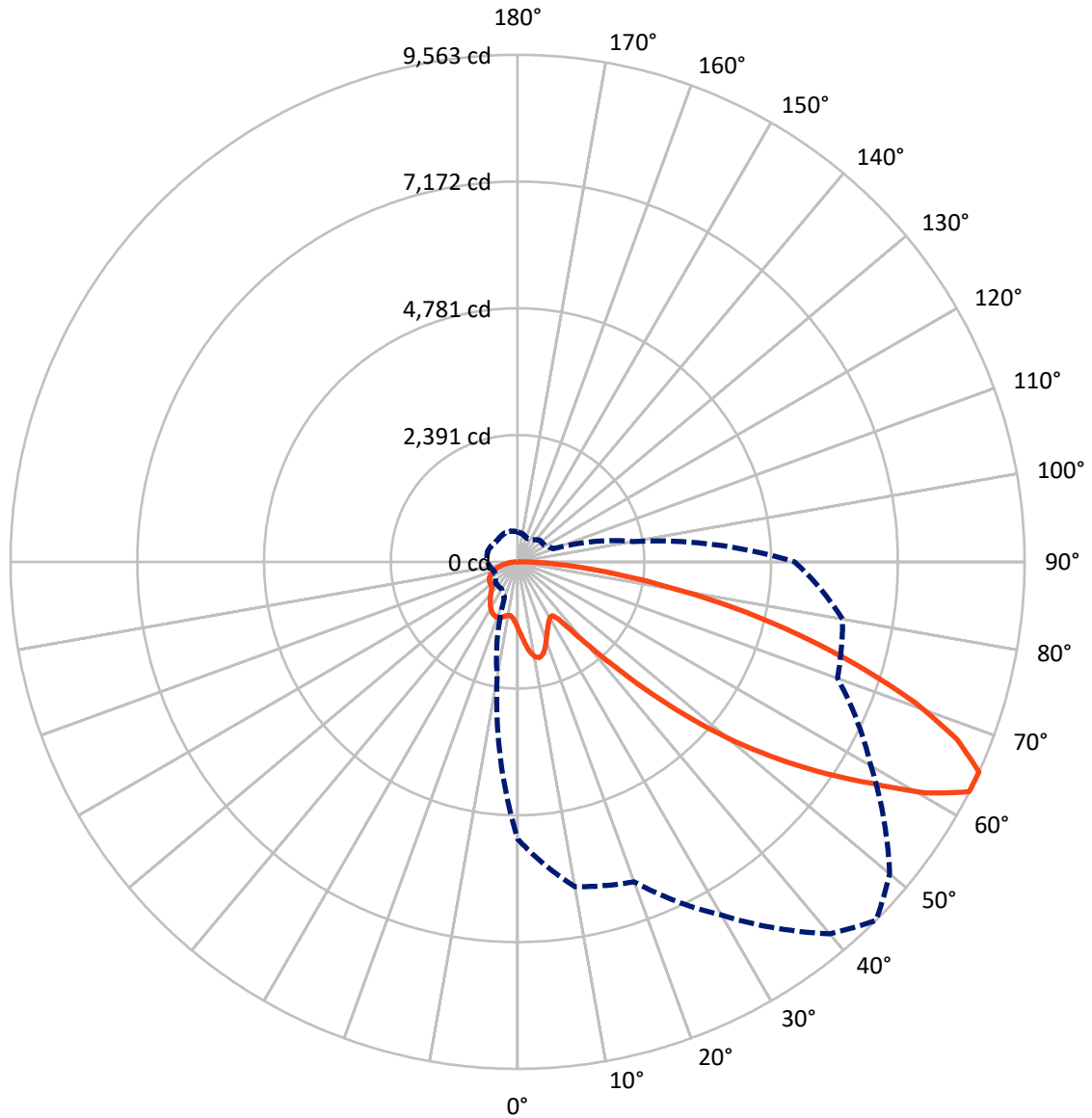
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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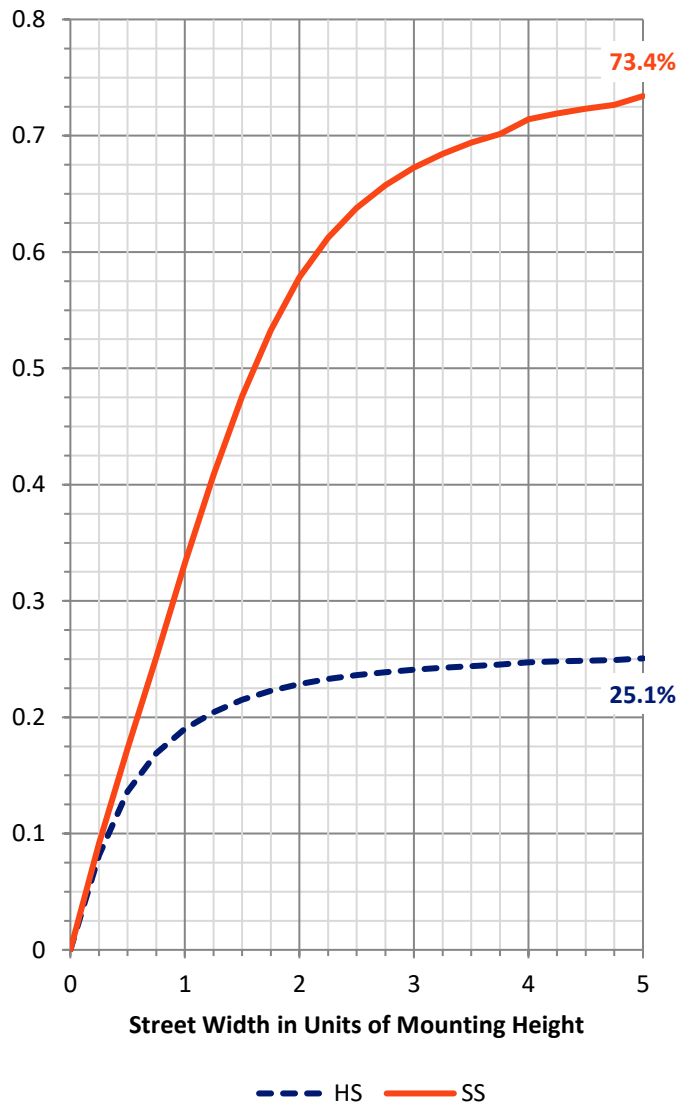
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2328.6	0.0	2328.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6833.8	0.0	6833.8
	% Fixture	74.6	0.0	74.6
Total	Lumens	9162.5	0.0	9162.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.0	1.4
10°-20°	392.3	4.3
20°-30°	606.0	6.6
30°-40°	768.0	8.4
40°-50°	1158.3	12.6
50°-60°	1871.5	20.4
60°-70°	2333.1	25.5
70°-80°	1529.9	16.7
80°-90°	378.2	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°	9162.5	100.0
0°-180°	9162.5	100.0

Coefficient of Utilization



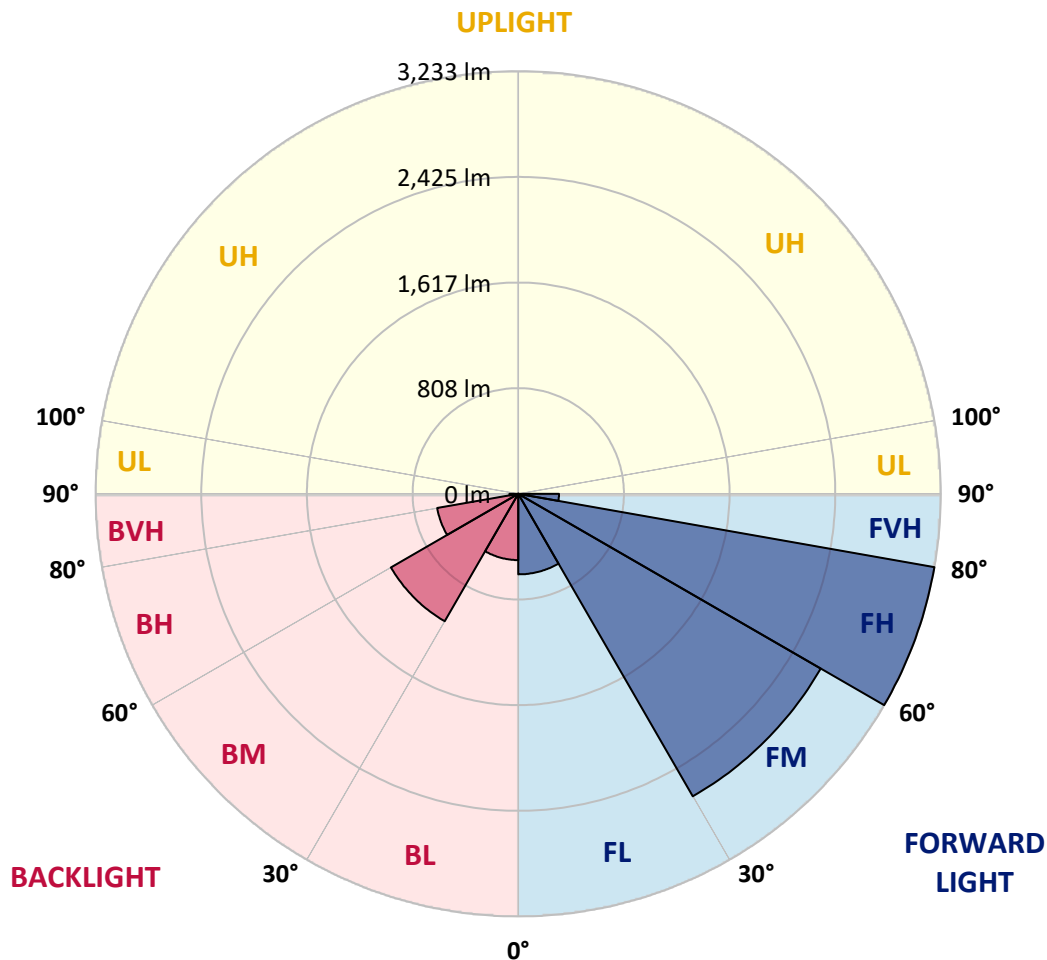
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	616.3	6.7			
FM (30°-60°)	2672.5	29.2			
FH (60°-80°)	3233.5	35.3			G2/5000
FVH (80°-90°)	311.6	3.4			G3/500
BL (0°-30°)	507.1	5.5	B2/1000		
BM (30°-60°)	1125.3	12.3	B2/2500		
BH (60°-80°)	629.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	66.7	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°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1354.9	1360.1	1365.2	1372.5	1379.9	1384.2	1388.6	1390.7	1392.9	1391.9	1392.9
5°	1456.9	1474.9	1492.8	1510.6	1528.5	1538.1	1547.9	1553.7	1559.5	1564.0	1559.5
7.5°	1559.4	1588.6	1617.8	1644.0	1670.2	1686.1	1701.9	1710.4	1718.9	1723.1	1718.9
10°	1637.9	1672.5	1707.0	1737.8	1768.6	1787.3	1805.8	1814.1	1822.4	1825.6	1822.4
12.5°	1686.1	1723.5	1760.8	1788.7	1816.5	1830.0	1843.6	1848.1	1852.7	1853.1	1852.7
15°	1715.3	1747.6	1779.9	1797.3	1814.9	1815.4	1815.8	1811.0	1806.2	1800.4	1806.2
17.5°	1731.7	1753.6	1775.4	1775.7	1776.0	1756.4	1736.9	1718.9	1701.0	1688.3	1701.0
20°	1749.9	1757.5	1765.2	1742.2	1719.2	1676.0	1632.7	1601.3	1569.8	1550.5	1569.8
22.5°	1771.0	1761.0	1751.0	1703.4	1655.9	1592.3	1528.7	1489.3	1450.1	1428.6	1450.1
25°	1798.1	1766.6	1735.1	1663.0	1590.7	1513.5	1436.3	1394.9	1353.6	1333.4	1353.6
27.5°	1834.7	1778.6	1722.3	1626.7	1531.0	1445.5	1359.9	1319.2	1278.5	1259.4	1278.5
30°	1884.4	1800.5	1716.8	1599.0	1481.2	1392.1	1303.0	1265.2	1227.4	1209.6	1227.4
32.5°	1942.8	1828.1	1713.4	1580.1	1446.9	1363.1	1279.4	1249.7	1220.1	1207.2	1220.1
35°	2013.9	1873.5	1733.2	1594.3	1455.5	1397.3	1339.2	1332.2	1325.3	1324.2	1325.3
37.5°	2133.5	1968.4	1803.3	1677.1	1550.8	1547.1	1543.3	1574.9	1606.6	1623.0	1606.6
40°	2314.3	2134.8	1955.2	1861.3	1767.5	1833.7	1899.9	1976.8	2053.7	2091.9	2053.7
42.5°	2554.2	2376.0	2197.7	2143.7	2089.7	2234.1	2378.6	2518.4	2658.2	2740.3	2658.2
45°	2850.3	2690.2	2530.1	2506.2	2482.3	2713.8	2945.3	3175.0	3404.8	3544.3	3404.8
47.5°	3220.7	3064.9	2909.2	2904.3	2899.4	3233.4	3567.1	3903.5	4239.8	4437.2	4239.8
50°	3706.0	3513.7	3321.3	3322.1	3322.9	3753.2	4183.5	4627.6	5071.5	5339.9	5071.5
52.5°	4263.2	4030.3	3797.4	3773.8	3750.3	4264.2	4778.2	5327.5	5876.8	6198.6	5876.8
55°	4856.4	4626.3	4396.2	4304.4	4212.5	4784.6	5356.5	6011.4	6666.3	7048.9	6666.3
57.5°	5396.0	5270.7	5145.3	4961.2	4777.0	5354.7	5932.3	6674.0	7415.7	7890.2	7415.7
60°	5722.1	5916.7	6111.5	5882.8	5654.1	6200.6	6747.3	7541.4	8335.6	8848.4	8335.6
62.5°	5556.5	6088.4	6620.3	6594.4	6568.6	7069.4	7570.1	8325.8	9081.2	9555.3	9081.2
65°	5225.0	5724.3	6223.5	6322.2	6420.9	7057.3	7693.6	8426.3	9158.9	9562.5	9158.9
67.5°	4781.0	5255.8	5730.6	5776.9	5823.1	6486.2	7149.2	7884.9	8620.8	8936.9	8620.8
70°	4247.5	4763.9	5280.4	5301.0	5321.8	5914.7	6507.6	7140.8	7773.9	7949.7	7773.9
72.5°	3611.8	4204.3	4797.0	4811.9	4826.7	5290.6	5754.5	6228.7	6702.9	6720.7	6702.9
75°	2807.5	3420.8	4034.2	4089.2	4144.3	4505.2	4866.1	5199.9	5533.8	5444.4	5533.8
77.5°	2005.9	2578.4	3151.1	3229.8	3308.6	3583.0	3857.4	4094.2	4330.9	4177.2	4330.9
80°	1312.8	1794.6	2276.2	2374.1	2472.1	2679.2	2886.4	3010.7	3135.1	2887.7	3135.1
82.5°	763.1	1092.4	1421.8	1531.1	1640.6	1783.3	1925.9	1977.7	2029.6	1835.3	2029.6
85°	335.8	510.6	685.3	778.4	871.5	988.6	1105.8	1135.2	1164.7	1009.0	1164.7
87.5°	103.9	162.7	221.4	273.4	325.2	383.9	442.5	445.0	447.4	375.7	447.4
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°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1390.7	1388.6	1384.2	1379.9	1372.5	1365.2	1360.1	1354.9	1344.5	1334.1	1323.1
5°	1553.7	1547.9	1538.1	1528.5	1510.6	1492.8	1474.9	1456.9	1434.0	1411.0	1388.1
7.5°	1710.4	1701.9	1686.1	1670.2	1644.0	1617.8	1588.6	1559.4	1521.5	1483.7	1448.6
10°	1814.1	1805.8	1787.3	1768.6	1737.8	1707.0	1672.5	1637.9	1590.1	1542.2	1495.9
12.5°	1848.1	1843.6	1830.0	1816.5	1788.7	1760.8	1723.5	1686.1	1633.4	1580.9	1528.5
15°	1811.0	1815.8	1815.4	1814.9	1797.3	1779.9	1747.6	1715.3	1660.5	1605.6	1548.8
17.5°	1718.9	1736.9	1756.4	1776.0	1775.7	1775.4	1753.6	1731.7	1676.2	1620.5	1558.4
20°	1601.3	1632.7	1676.0	1719.2	1742.2	1765.2	1757.5	1749.9	1692.1	1634.3	1566.1
22.5°	1489.3	1528.7	1592.3	1655.9	1703.4	1751.0	1761.0	1771.0	1711.9	1652.7	1576.3
25°	1394.9	1436.3	1513.5	1590.7	1663.0	1735.1	1766.6	1798.1	1740.1	1682.2	1594.9
27.5°	1319.2	1359.9	1445.5	1531.0	1626.7	1722.3	1778.6	1834.7	1779.5	1724.3	1623.9
30°	1265.2	1303.0	1392.1	1481.2	1599.0	1716.8	1800.5	1884.4	1831.0	1777.7	1661.4
32.5°	1249.7	1279.4	1363.1	1446.9	1580.1	1713.4	1828.1	1942.8	1890.0	1837.2	1700.7
35°	1332.2	1339.2	1397.3	1455.5	1594.3	1733.2	1873.5	2013.9	1963.3	1912.6	1745.4
37.5°	1574.9	1543.3	1547.1	1550.8	1677.1	1803.3	1968.4	2133.5	2069.1	2004.6	1795.4
40°	1976.8	1899.9	1833.7	1767.5	1861.3	1955.2	2134.8	2314.3	2220.4	2126.4	1858.8
42.5°	2518.4	2378.6	2234.1	2089.7	2143.7	2197.7	2376.0	2554.2	2418.5	2282.9	1942.0
45°	3175.0	2945.3	2713.8	2482.3	2506.2	2530.1	2690.2	2850.3	2667.3	2484.3	2051.3
47.5°	3903.5	3567.1	3233.4	2899.4	2904.3	2909.2	3064.9	3220.7	2963.1	2705.5	2167.9
50°	4627.6	4183.5	3753.2	3322.9	3322.1	3321.3	3513.7	3706.0	3317.7	2929.4	2276.0
52.5°	5327.5	4778.2	4264.2	3750.3	3773.8	3797.4	4030.3	4263.2	3690.3	3117.4	2346.2
55°	6011.4	5356.5	4784.6	4212.5	4304.4	4396.2	4626.3	4856.4	4020.7	3184.9	2330.7
57.5°	6674.0	5932.3	5354.7	4777.0	4961.2	5145.3	5270.7	5396.0	4254.7	3113.4	2221.8
60°	7541.4	6747.3	6200.6	5654.1	5882.8	6111.5	5916.7	5722.1	4313.2	2904.3	2019.2
62.5°	8325.8	7570.1	7069.4	6568.6	6594.4	6620.3	6088.4	5556.5	4066.9	2577.3	1745.3
65°	8426.3	7693.6	7057.3	6420.9	6322.2	6223.5	5724.3	5225.0	3718.4	2211.6	1465.6
67.5°	7884.9	7149.2	6486.2	5823.1	5776.9	5730.6	5255.8	4781.0	3303.6	1826.1	1191.9
70°	7140.8	6507.6	5914.7	5321.8	5301.0	5280.4	4763.9	4247.5	2851.0	1454.5	938.4
72.5°	6228.7	5754.5	5290.6	4826.7	4811.9	4797.0	4204.3	3611.8	2360.4	1109.0	717.4
75°	5199.9	4866.1	4505.2	4144.3	4089.2	4034.2	3420.8	2807.5	1798.0	788.4	520.7
77.5°	4094.2	3857.4	3583.0	3308.6	3229.8	3151.1	2578.4	2005.9	1258.4	511.0	352.8
80°	3010.7	2886.4	2679.2	2472.1	2374.1	2276.2	1794.6	1312.8	810.8	308.7	227.3
82.5°	1977.7	1925.9	1783.3	1640.6	1531.1	1421.8	1092.4	763.1	469.2	175.4	139.8
85°	1135.2	1105.8	988.6	871.5	778.4	685.3	510.6	335.8	211.0	86.4	74.7
87.5°	445.0	442.5	383.9	325.2	273.4	221.4	162.7	103.9	69.1	34.3	31.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1312.0	1300.9	1289.8	1279.2	1268.5	1258.2	1246.8	1237.5	1228.3	1219.9	1211.6
5°	1365.2	1342.1	1319.2	1297.6	1276.1	1255.8	1235.7	1218.2	1200.7	1186.0	1171.4
7.5°	1413.7	1379.5	1345.5	1315.5	1285.5	1257.8	1231.7	1208.5	1185.2	1165.8	1146.6
10°	1449.7	1408.2	1366.8	1331.4	1295.8	1261.6	1233.7	1209.2	1184.6	1165.2	1145.9
12.5°	1476.0	1427.2	1378.4	1338.2	1298.1	1262.1	1236.1	1216.1	1196.0	1183.2	1170.3
15°	1491.9	1435.6	1379.4	1332.9	1286.4	1246.6	1225.8	1216.2	1206.6	1208.4	1210.1
17.5°	1496.4	1431.2	1365.9	1309.9	1254.0	1207.2	1194.4	1197.9	1201.4	1222.5	1243.5
20°	1497.8	1418.8	1339.7	1270.4	1201.0	1146.6	1143.2	1159.6	1176.1	1212.7	1249.3
22.5°	1499.8	1403.6	1307.4	1223.8	1140.4	1078.4	1085.0	1109.4	1133.6	1175.4	1217.3
25°	1507.5	1388.6	1269.9	1172.0	1074.3	1010.6	1028.6	1056.6	1084.7	1122.3	1159.9
27.5°	1523.5	1378.6	1233.8	1124.6	1015.4	957.6	979.3	1006.3	1033.4	1064.3	1095.1
30°	1545.3	1373.9	1202.5	1085.0	967.4	918.8	935.9	957.4	979.0	1004.5	1030.1
32.5°	1564.1	1368.2	1172.0	1050.7	929.5	890.3	897.9	910.6	923.3	943.8	964.3
35°	1578.0	1357.2	1136.5	1017.2	897.8	865.2	862.0	865.5	869.0	884.7	900.3
37.5°	1586.2	1338.4	1090.8	977.6	864.5	835.9	824.4	820.5	816.7	827.9	839.1
40°	1591.3	1312.7	1034.1	930.4	826.8	800.8	783.2	774.5	765.7	773.8	781.9
42.5°	1601.2	1286.2	971.2	878.3	785.6	761.7	739.4	727.9	716.3	722.8	729.5
45°	1618.4	1261.5	904.5	823.1	741.7	717.5	696.0	684.6	673.4	678.9	684.5
47.5°	1630.3	1241.0	851.8	779.3	706.8	675.7	657.1	647.7	638.2	643.4	648.6
50°	1622.5	1218.7	815.1	750.2	685.4	644.4	623.0	614.5	606.2	614.3	622.5
52.5°	1574.9	1181.2	787.6	731.1	674.7	627.5	597.5	589.2	580.9	593.2	605.3
55°	1476.5	1118.9	761.4	717.2	673.1	629.2	583.9	570.8	557.7	575.0	592.3
57.5°	1330.2	1031.1	732.0	700.8	669.6	630.9	575.8	556.7	537.5	556.2	574.8
60°	1134.2	917.2	700.2	675.7	651.2	625.6	568.2	543.4	518.5	534.9	551.2
62.5°	913.2	780.7	648.2	631.9	615.7	612.5	559.2	528.3	497.2	507.7	518.0
65°	719.8	657.9	596.1	588.5	580.8	581.2	540.5	507.6	474.6	478.6	482.5
67.5°	557.5	540.0	522.3	526.6	530.9	529.9	507.1	479.6	452.1	450.9	449.7
70°	422.3	427.3	432.3	452.2	472.1	472.1	464.6	445.1	425.6	421.2	416.9
72.5°	325.7	340.9	356.1	384.3	412.5	417.3	417.4	404.0	390.5	384.2	377.8
75°	253.0	266.7	280.4	312.0	343.7	365.5	363.7	353.3	343.1	336.9	330.8
77.5°	194.7	204.1	213.4	244.2	274.8	310.9	309.9	301.7	293.4	287.2	281.0
80°	146.0	149.9	153.8	179.8	205.7	248.8	248.6	241.7	234.7	229.6	224.4
82.5°	104.3	105.0	105.8	124.9	144.1	180.8	182.9	179.5	176.1	172.4	168.7
85°	63.1	62.7	62.3	76.4	90.4	117.8	120.3	116.7	113.2	109.1	105.0
87.5°	27.7	27.3	27.0	32.7	38.4	49.8	53.2	51.8	50.3	49.5	48.7
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: P961370
 CATALOG NUMBER: NAV-SB2A-730-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1204.3	1197.0	1189.6	1182.3	1176.7	1171.0	1166.3	1161.7	1158.1	1154.7	1151.4
5°	1158.4	1145.4	1133.6	1121.9	1112.8	1103.7	1097.5	1091.1	1086.6	1082.1	1078.7
7.5°	1130.3	1113.9	1099.5	1085.2	1074.4	1063.6	1056.1	1048.6	1043.3	1038.2	1035.1
10°	1128.3	1110.8	1094.6	1078.4	1065.5	1052.6	1044.2	1035.7	1030.8	1025.9	1023.4
12.5°	1156.5	1142.8	1126.1	1109.4	1092.9	1076.5	1065.6	1054.7	1049.2	1043.9	1041.6
15°	1206.5	1202.9	1188.4	1173.8	1150.5	1127.1	1110.5	1094.0	1086.4	1078.8	1075.9
17.5°	1254.8	1266.0	1254.2	1242.5	1211.6	1180.5	1156.2	1131.8	1120.6	1109.4	1105.7
20°	1272.7	1296.2	1290.8	1285.4	1249.9	1214.5	1184.6	1154.8	1140.4	1126.0	1121.5
22.5°	1247.8	1278.3	1281.6	1284.8	1251.0	1217.1	1186.3	1155.6	1140.4	1125.2	1120.2
25°	1189.8	1219.9	1231.1	1242.3	1214.5	1186.8	1159.5	1132.2	1119.0	1106.0	1101.2
27.5°	1119.2	1143.3	1155.8	1168.3	1148.5	1128.8	1107.6	1086.4	1077.6	1068.7	1066.5
30°	1050.1	1070.2	1080.4	1090.5	1075.4	1060.4	1045.2	1029.9	1025.4	1020.8	1020.8
32.5°	983.4	1002.7	1013.9	1025.2	1011.4	997.5	985.3	973.2	970.3	967.3	967.7
35°	919.2	938.2	951.7	965.2	955.4	945.6	934.4	923.2	918.7	914.2	913.3
37.5°	857.9	876.9	893.6	910.4	905.8	901.3	891.0	880.7	872.5	864.4	860.1
40°	800.1	818.5	837.6	856.9	858.0	859.2	850.3	841.6	829.7	817.9	810.0
42.5°	746.8	764.1	784.9	805.6	811.3	816.8	809.4	802.1	787.3	772.5	761.0
45°	700.9	717.4	738.9	760.4	768.4	776.4	769.8	763.1	746.3	729.5	715.8
47.5°	664.7	680.7	702.0	723.2	732.5	741.7	737.0	732.4	717.4	702.4	689.7
50°	637.7	652.8	671.8	690.8	702.6	714.4	714.2	714.0	702.0	690.0	678.3
52.5°	619.2	633.1	650.9	668.6	682.6	696.6	699.0	701.6	691.9	682.0	671.6
55°	607.3	622.3	637.9	653.4	668.2	683.1	686.5	690.0	681.5	673.0	663.8
57.5°	592.4	610.1	625.5	640.8	655.8	670.7	674.2	677.7	669.1	660.5	651.4
60°	571.4	591.6	607.3	623.0	638.0	652.9	656.8	660.6	652.2	643.9	634.5
62.5°	541.6	565.2	581.9	598.5	612.2	626.0	629.8	633.4	625.9	618.3	608.4
65°	507.8	533.0	549.0	565.0	577.0	589.1	593.0	596.7	589.4	582.1	572.6
67.5°	472.9	496.3	511.4	526.5	536.9	547.3	551.1	554.7	548.1	541.4	532.5
70°	437.4	457.9	470.9	483.9	493.3	502.8	506.4	509.9	504.5	499.1	490.6
72.5°	394.0	410.1	421.9	433.7	442.9	452.1	456.4	460.6	456.1	451.5	443.4
75°	342.8	354.8	365.4	376.2	384.6	393.0	397.4	401.9	399.6	397.4	390.6
77.5°	290.8	300.4	309.7	318.9	327.7	336.5	340.6	344.8	341.7	338.6	331.7
80°	232.5	240.6	248.3	256.0	262.7	269.4	274.9	280.4	279.1	277.8	268.5
82.5°	168.1	167.4	164.7	162.0	176.3	190.5	200.0	209.3	208.8	208.2	200.4
85°	101.5	97.9	90.4	82.9	96.4	109.8	121.4	132.9	132.0	131.0	124.9
87.5°	48.6	48.5	42.7	37.0	42.6	48.3	52.9	57.6	56.5	55.2	52.1
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: P961370
 CATALOG NUMBER: NAV-SB2A-730-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1148.0	1143.9	1148.0	1151.4	1154.7	1158.1	1161.7	1166.3	1171.0	1176.7	1182.3
5°	1075.2	1071.8	1075.2	1078.7	1082.1	1086.6	1091.1	1097.5	1103.7	1112.8	1121.9
7.5°	1032.1	1029.8	1032.1	1035.1	1038.2	1043.3	1048.6	1056.1	1063.6	1074.4	1085.2
10°	1020.7	1019.7	1020.7	1023.4	1025.9	1030.8	1035.7	1044.2	1052.6	1065.5	1078.4
12.5°	1039.4	1038.9	1039.4	1041.6	1043.9	1049.2	1054.7	1065.6	1076.5	1092.9	1109.4
15°	1073.1	1072.9	1073.1	1075.9	1078.8	1086.4	1094.0	1110.5	1127.1	1150.5	1173.8
17.5°	1101.9	1101.4	1101.9	1105.7	1109.4	1120.6	1131.8	1156.2	1180.5	1211.6	1242.5
20°	1116.8	1115.4	1116.8	1121.5	1126.0	1140.4	1154.8	1184.6	1214.5	1249.9	1285.4
22.5°	1115.1	1112.9	1115.1	1120.2	1125.2	1140.4	1155.6	1186.3	1217.1	1251.0	1284.8
25°	1096.4	1093.6	1096.4	1101.2	1106.0	1119.0	1132.2	1159.5	1186.8	1214.5	1242.3
27.5°	1064.4	1063.6	1064.4	1066.5	1068.7	1077.6	1086.4	1107.6	1128.8	1148.5	1168.3
30°	1020.8	1021.6	1020.8	1020.8	1020.8	1025.4	1029.9	1045.2	1060.4	1075.4	1090.5
32.5°	968.1	968.8	968.1	967.7	967.3	970.3	973.2	985.3	997.5	1011.4	1025.2
35°	912.4	911.8	912.4	913.3	914.2	918.7	923.2	934.4	945.6	955.4	965.2
37.5°	855.8	853.3	855.8	860.1	864.4	872.5	880.7	891.0	901.3	905.8	910.4
40°	802.0	797.2	802.0	810.0	817.9	829.7	841.6	850.3	859.2	858.0	856.9
42.5°	749.3	741.7	749.3	761.0	772.5	787.3	802.1	809.4	816.8	811.3	805.6
45°	702.1	693.3	702.1	715.8	729.5	746.3	763.1	769.8	776.4	768.4	760.4
47.5°	677.1	668.6	677.1	689.7	702.4	717.4	732.4	737.0	741.7	732.5	723.2
50°	666.6	658.5	666.6	678.3	690.0	702.0	714.0	714.2	714.4	702.6	690.8
52.5°	661.1	653.6	661.1	671.6	682.0	691.9	701.6	699.0	696.6	682.6	668.6
55°	654.7	647.8	654.7	663.8	673.0	681.5	690.0	686.5	683.1	668.2	653.4
57.5°	642.3	635.3	642.3	651.4	660.5	669.1	677.7	674.2	670.7	655.8	640.8
60°	625.1	617.9	625.1	634.5	643.9	652.2	660.6	656.8	652.9	638.0	623.0
62.5°	598.5	589.8	598.5	608.4	618.3	625.9	633.4	629.8	626.0	612.2	598.5
65°	563.0	555.6	563.0	572.6	582.1	589.4	596.7	593.0	589.1	577.0	565.0
67.5°	523.6	516.8	523.6	532.5	541.4	548.1	554.7	551.1	547.3	536.9	526.5
70°	482.1	474.3	482.1	490.6	499.1	504.5	509.9	506.4	502.8	493.3	483.9
72.5°	435.3	427.8	435.3	443.4	451.5	456.1	460.6	456.4	452.1	442.9	433.7
75°	383.8	376.6	383.8	390.6	397.4	399.6	401.9	397.4	393.0	384.6	376.2
77.5°	324.8	319.1	324.8	331.7	338.6	341.7	344.8	340.6	336.5	327.7	318.9
80°	259.2	248.5	259.2	268.5	277.8	279.1	280.4	274.9	269.4	262.7	256.0
82.5°	192.5	185.6	192.5	200.4	208.2	208.8	209.3	200.0	190.5	176.3	162.0
85°	118.8	112.6	118.8	124.9	131.0	132.0	132.9	121.4	109.8	96.4	82.9
87.5°	48.9	45.9	48.9	52.1	55.2	56.5	57.6	52.9	48.3	42.6	37.0
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: P961370
 CATALOG NUMBER: NAV-SB2A-730-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1189.6	1197.0	1204.3	1211.6	1219.9	1228.3	1237.5	1246.8	1258.2	1268.5	1279.2
5°	1133.6	1145.4	1158.4	1171.4	1186.0	1200.7	1218.2	1235.7	1255.8	1276.1	1297.6
7.5°	1099.5	1113.9	1130.3	1146.6	1165.8	1185.2	1208.5	1231.7	1257.8	1285.5	1315.5
10°	1094.6	1110.8	1128.3	1145.9	1165.2	1184.6	1209.2	1233.7	1261.6	1295.8	1331.4
12.5°	1126.1	1142.8	1156.5	1170.3	1183.2	1196.0	1216.1	1236.1	1262.1	1298.1	1338.2
15°	1188.4	1202.9	1206.5	1210.1	1208.4	1206.6	1216.2	1225.8	1246.6	1286.4	1332.9
17.5°	1254.2	1266.0	1254.8	1243.5	1222.5	1201.4	1197.9	1194.4	1207.2	1254.0	1309.9
20°	1290.8	1296.2	1272.7	1249.3	1212.7	1176.1	1159.6	1143.2	1146.6	1201.0	1270.4
22.5°	1281.6	1278.3	1247.8	1217.3	1175.4	1133.6	1109.4	1085.0	1078.4	1140.4	1223.8
25°	1231.1	1219.9	1189.8	1159.9	1122.3	1084.7	1056.6	1028.6	1010.6	1074.3	1172.0
27.5°	1155.8	1143.3	1119.2	1095.1	1064.3	1033.4	1006.3	979.3	957.6	1015.4	1124.6
30°	1080.4	1070.2	1050.1	1030.1	1004.5	979.0	957.4	935.9	918.8	967.4	1085.0
32.5°	1013.9	1002.7	983.4	964.3	943.8	923.3	910.6	897.9	890.3	929.5	1050.7
35°	951.7	938.2	919.2	900.3	884.7	869.0	865.5	862.0	865.2	897.8	1017.2
37.5°	893.6	876.9	857.9	839.1	827.9	816.7	820.5	824.4	835.9	864.5	977.6
40°	837.6	818.5	800.1	781.9	773.8	765.7	774.5	783.2	800.8	826.8	930.4
42.5°	784.9	764.1	746.8	729.5	722.8	716.3	727.9	739.4	761.7	785.6	878.3
45°	738.9	717.4	700.9	684.5	678.9	673.4	684.6	696.0	717.5	741.7	823.1
47.5°	702.0	680.7	664.7	648.6	643.4	638.2	647.7	657.1	675.7	706.8	779.3
50°	671.8	652.8	637.7	622.5	614.3	606.2	614.5	623.0	644.4	685.4	750.2
52.5°	650.9	633.1	619.2	605.3	593.2	580.9	589.2	597.5	627.5	674.7	731.1
55°	637.9	622.3	607.3	592.3	575.0	557.7	570.8	583.9	629.2	673.1	717.2
57.5°	625.5	610.1	592.4	574.8	556.2	537.5	556.7	575.8	630.9	669.6	700.8
60°	607.3	591.6	571.4	551.2	534.9	518.5	543.4	568.2	625.6	651.2	675.7
62.5°	581.9	565.2	541.6	518.0	507.7	497.2	528.3	559.2	612.5	615.7	631.9
65°	549.0	533.0	507.8	482.5	478.6	474.6	507.6	540.5	581.2	580.8	588.5
67.5°	511.4	496.3	472.9	449.7	450.9	452.1	479.6	507.1	529.9	530.9	526.6
70°	470.9	457.9	437.4	416.9	421.2	425.6	445.1	464.6	472.1	472.1	452.2
72.5°	421.9	410.1	394.0	377.8	384.2	390.5	404.0	417.4	417.3	412.5	384.3
75°	365.4	354.8	342.8	330.8	336.9	343.1	353.3	363.7	365.5	343.7	312.0
77.5°	309.7	300.4	290.8	281.0	287.2	293.4	301.7	309.9	310.9	274.8	244.2
80°	248.3	240.6	232.5	224.4	229.6	234.7	241.7	248.6	248.8	205.7	179.8
82.5°	164.7	167.4	168.1	168.7	172.4	176.1	179.5	182.9	180.8	144.1	124.9
85°	90.4	97.9	101.5	105.0	109.1	113.2	116.7	120.3	117.8	90.4	76.4
87.5°	42.7	48.5	48.6	48.7	49.5	50.3	51.8	53.2	49.8	38.4	32.7
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: P961370
 CATALOG NUMBER: NAV-SB2A-730-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9	1259.9
2.5°	1289.8	1300.9	1312.0	1323.1	1334.1	1344.5	1354.9
5°	1319.2	1342.1	1365.2	1388.1	1411.0	1434.0	1456.9
7.5°	1345.5	1379.5	1413.7	1448.6	1483.7	1521.5	1559.4
10°	1366.8	1408.2	1449.7	1495.9	1542.2	1590.1	1637.9
12.5°	1378.4	1427.2	1476.0	1528.5	1580.9	1633.4	1686.1
15°	1379.4	1435.6	1491.9	1548.8	1605.6	1660.5	1715.3
17.5°	1365.9	1431.2	1496.4	1558.4	1620.5	1676.2	1731.7
20°	1339.7	1418.8	1497.8	1566.1	1634.3	1692.1	1749.9
22.5°	1307.4	1403.6	1499.8	1576.3	1652.7	1711.9	1771.0
25°	1269.9	1388.6	1507.5	1594.9	1682.2	1740.1	1798.1
27.5°	1233.8	1378.6	1523.5	1623.9	1724.3	1779.5	1834.7
30°	1202.5	1373.9	1545.3	1661.4	1777.7	1831.0	1884.4
32.5°	1172.0	1368.2	1564.1	1700.7	1837.2	1890.0	1942.8
35°	1136.5	1357.2	1578.0	1745.4	1912.6	1963.3	2013.9
37.5°	1090.8	1338.4	1586.2	1795.4	2004.6	2069.1	2133.5
40°	1034.1	1312.7	1591.3	1858.8	2126.4	2220.4	2314.3
42.5°	971.2	1286.2	1601.2	1942.0	2282.9	2418.5	2554.2
45°	904.5	1261.5	1618.4	2051.3	2484.3	2667.3	2850.3
47.5°	851.8	1241.0	1630.3	2167.9	2705.5	2963.1	3220.7
50°	815.1	1218.7	1622.5	2276.0	2929.4	3317.7	3706.0
52.5°	787.6	1181.2	1574.9	2346.2	3117.4	3690.3	4263.2
55°	761.4	1118.9	1476.5	2330.7	3184.9	4020.7	4856.4
57.5°	732.0	1031.1	1330.2	2221.8	3113.4	4254.7	5396.0
60°	700.2	917.2	1134.2	2019.2	2904.3	4313.2	5722.1
62.5°	648.2	780.7	913.2	1745.3	2577.3	4066.9	5556.5
65°	596.1	657.9	719.8	1465.6	2211.6	3718.4	5225.0
67.5°	522.3	540.0	557.5	1191.9	1826.1	3303.6	4781.0
70°	432.3	427.3	422.3	938.4	1454.5	2851.0	4247.5
72.5°	356.1	340.9	325.7	717.4	1109.0	2360.4	3611.8
75°	280.4	266.7	253.0	520.7	788.4	1798.0	2807.5
77.5°	213.4	204.1	194.7	352.8	511.0	1258.4	2005.9
80°	153.8	149.9	146.0	227.3	308.7	810.8	1312.8
82.5°	105.8	105.0	104.3	139.8	175.4	469.2	763.1
85°	62.3	62.7	63.1	74.7	86.4	211.0	335.8
87.5°	27.0	27.3	27.7	31.0	34.3	69.1	103.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)