

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: P961835

Luminaire Tested: **NAV-SB2B-722-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P961835  
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-722-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

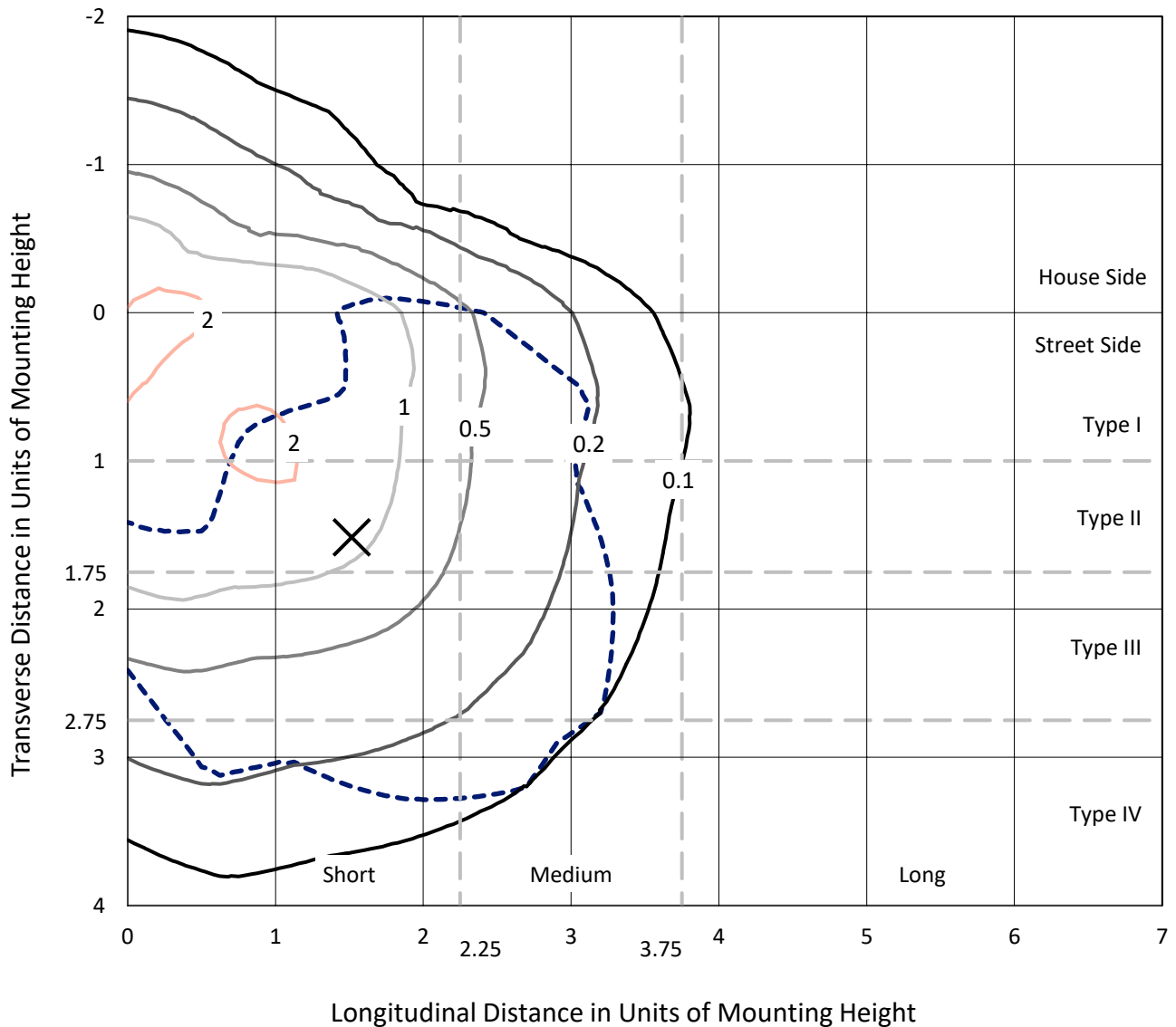
Lumens per Lamp: N/A  
Luminaire Lumens: 9500.7 lumens  
Efficiency: N/A  
Efficacy: 128.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 73.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



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### Iso-Footcandle Lines of Horizontal Illumination

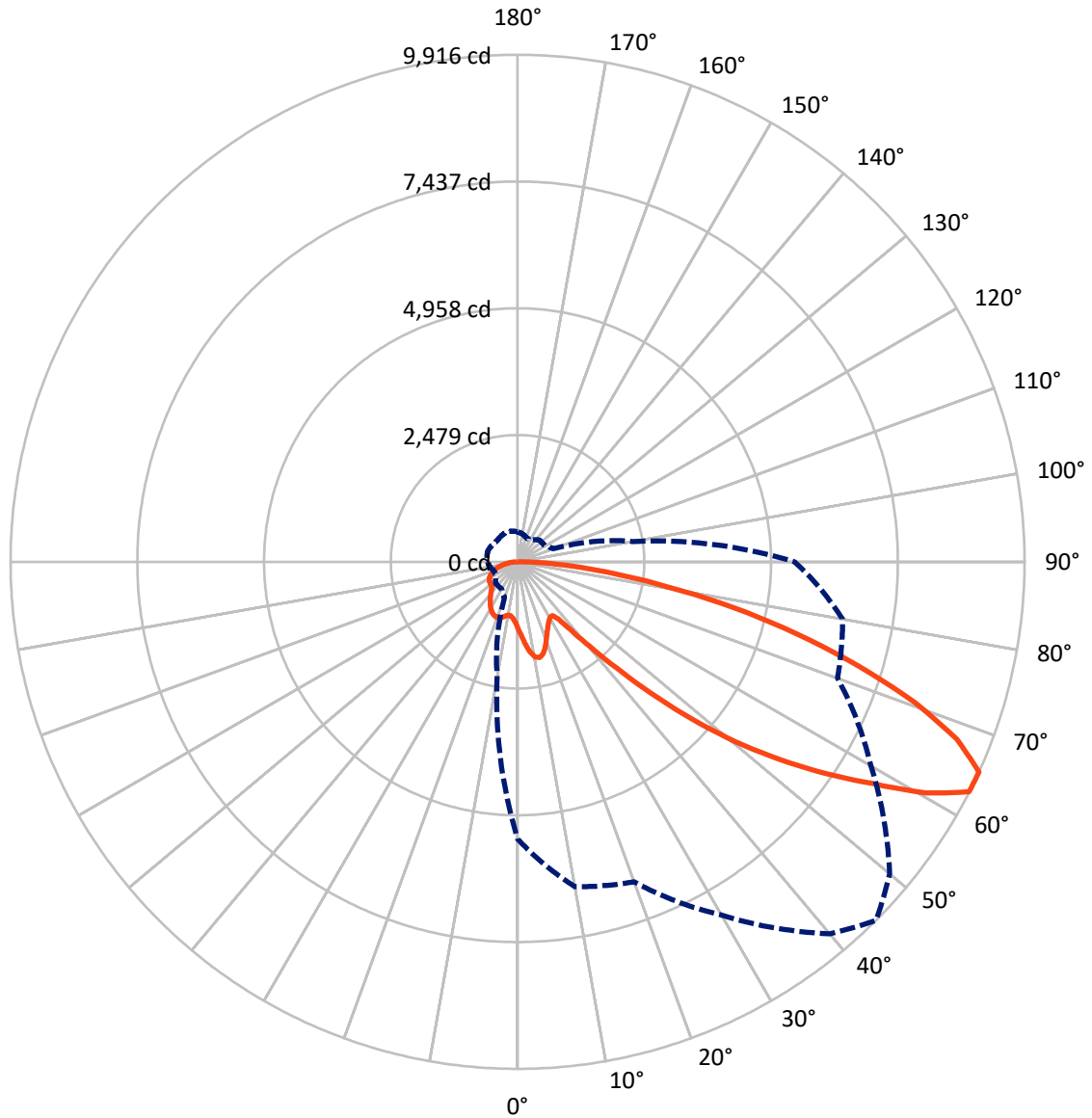
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 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
<b>House Side</b>	Lumens	2414.6	0.0	2414.6
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	7086.1	0.0	7086.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	9500.7	0.0	9500.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.6	1.4
10°-20°	406.8	4.3
20°-30°	628.4	6.6
30°-40°	796.4	8.4
40°-50°	1201.1	12.6
50°-60°	1940.6	20.4
60°-70°	2419.2	25.5
70°-80°	1586.4	16.7
80°-90°	392.2	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°	9500.7	100.0
0°-180°	9500.7	100.0

**Coefficient of Utilization**

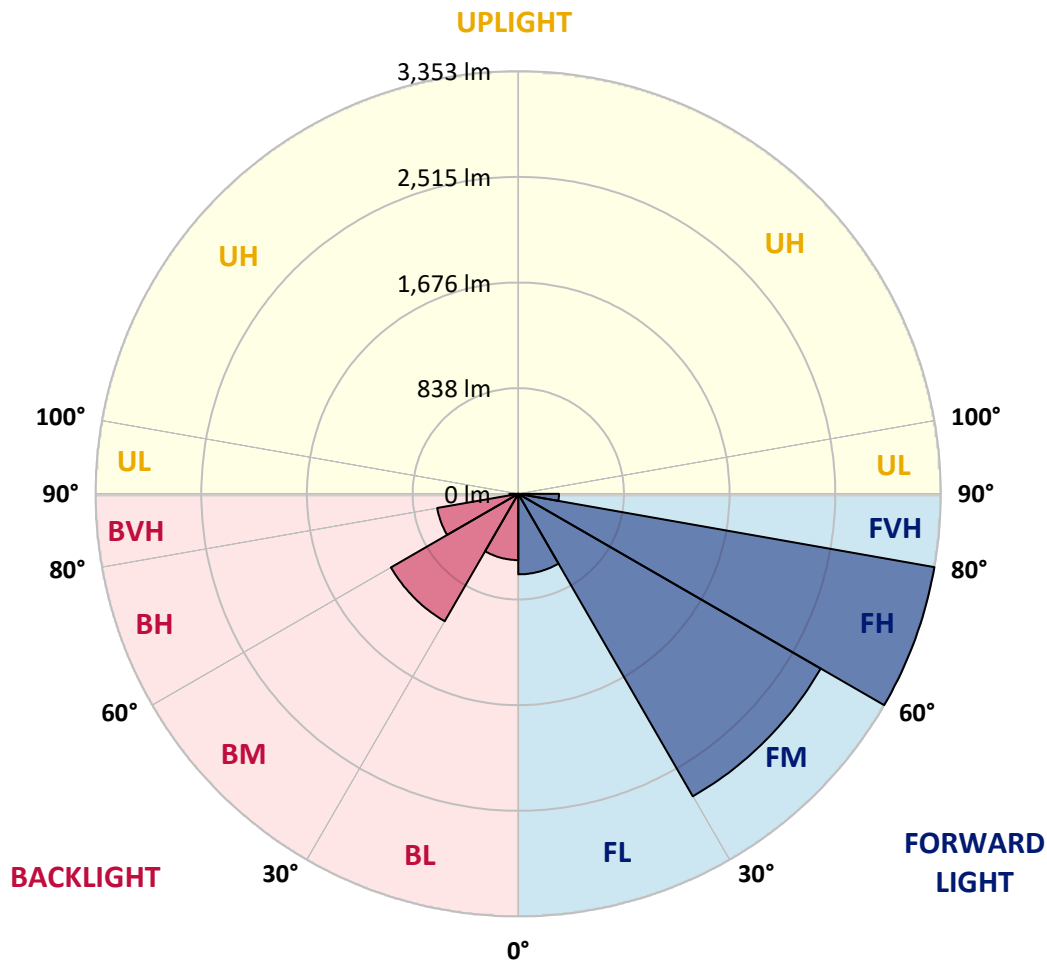


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 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	639.0	6.7			
FM (30°-60°)	2771.1	29.2			
FH (60°-80°)	3352.8	35.3			G2/5000
FVH (80°-90°)	323.1	3.4			G3/500
BL (0°-30°)	525.8	5.5	B2/1000		
BM (30°-60°)	1166.9	12.3	B2/2500		
BH (60°-80°)	652.8	6.9	B2/1000		G2/1000
BVH (80°-90°)	69.1	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°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1405.0	1410.3	1415.6	1423.2	1430.8	1435.3	1439.8	1442.1	1444.3	1443.3	1444.3
5°	1510.7	1529.3	1548.0	1566.4	1585.0	1594.9	1604.9	1611.0	1617.1	1621.8	1617.1
7.5°	1617.0	1647.3	1677.5	1704.7	1731.9	1748.3	1764.7	1773.6	1782.5	1786.7	1782.5
10°	1698.4	1734.3	1770.1	1802.0	1833.9	1853.3	1872.5	1881.2	1889.7	1893.0	1889.7
12.5°	1748.3	1787.2	1825.9	1854.7	1883.5	1897.6	1911.6	1916.3	1921.1	1921.6	1921.1
15°	1778.7	1812.2	1845.6	1863.7	1881.8	1882.3	1882.8	1877.8	1872.8	1866.9	1872.8
17.5°	1795.7	1818.4	1840.9	1841.3	1841.6	1821.3	1801.0	1782.4	1763.7	1750.6	1763.7
20°	1814.6	1822.3	1830.3	1806.5	1782.7	1737.9	1693.1	1660.4	1627.8	1607.7	1627.8
22.5°	1836.3	1826.0	1815.7	1766.4	1717.0	1651.1	1585.2	1544.4	1503.6	1481.4	1503.6
25°	1864.4	1831.8	1799.2	1724.4	1649.4	1569.4	1489.3	1446.4	1403.6	1382.6	1403.6
27.5°	1902.5	1844.3	1786.0	1686.7	1587.5	1498.9	1410.1	1367.9	1325.7	1306.0	1325.7
30°	1953.9	1867.0	1780.2	1658.0	1536.0	1443.5	1351.1	1311.9	1272.7	1254.3	1272.7
32.5°	2014.5	1895.5	1776.6	1638.5	1500.3	1413.5	1326.6	1295.8	1265.1	1251.8	1265.1
35°	2088.2	1942.7	1797.1	1653.1	1509.2	1448.8	1388.6	1381.4	1374.2	1373.1	1374.2
37.5°	2212.4	2041.1	1869.8	1739.0	1608.1	1604.2	1600.3	1633.1	1665.8	1682.9	1665.8
40°	2399.8	2213.6	2027.3	1930.0	1832.7	1901.4	1970.0	2049.8	2129.5	2169.2	2129.5
42.5°	2648.5	2463.7	2278.9	2222.8	2166.7	2316.6	2466.4	2611.4	2756.3	2841.5	2756.3
45°	2955.5	2789.5	2623.5	2598.8	2574.0	2814.0	3054.0	3292.2	3530.5	3675.1	3530.5
47.5°	3339.6	3178.0	3016.5	3011.6	3006.5	3352.7	3698.8	4047.6	4396.3	4601.1	4396.3
50°	3842.8	3643.4	3443.9	3444.8	3445.6	3891.8	4338.0	4798.3	5258.8	5537.0	5258.8
52.5°	4420.6	4179.0	3937.6	3913.1	3888.7	4421.6	4954.6	5524.2	6093.7	6427.4	6093.7
55°	5035.7	4797.1	4558.5	4463.3	4368.0	4961.2	5554.4	6233.3	6912.4	7309.2	6912.4
57.5°	5595.2	5465.3	5335.2	5144.3	4953.4	5552.3	6151.2	6920.4	7689.4	8181.4	7689.4
60°	5933.3	6135.1	6337.1	6099.9	5862.8	6429.6	6996.3	7819.8	8643.3	9175.1	8643.3
62.5°	5761.6	6313.2	6864.6	6837.9	6811.1	7330.4	7849.7	8633.1	9416.5	9908.1	9416.5
65°	5417.9	5935.6	6453.2	6555.6	6658.0	7317.8	7977.7	8737.4	9497.0	9915.5	9497.0
67.5°	4957.5	5449.8	5942.1	5990.1	6038.1	6725.6	7413.1	8176.0	8939.0	9266.8	8939.0
70°	4404.3	4939.8	5475.2	5496.8	5518.3	6133.1	6747.8	7404.4	8060.9	8243.2	8060.9
72.5°	3745.0	4359.5	4974.0	4989.5	5004.9	5485.9	5966.9	6458.6	6950.3	6968.8	6950.3
75°	2911.1	3547.1	4183.1	4240.2	4297.3	4671.5	5045.8	5391.9	5738.1	5645.3	5738.1
77.5°	2079.9	2673.6	3267.3	3349.1	3430.8	3715.2	3999.8	4245.2	4490.8	4331.3	4490.8
80°	1361.3	1860.8	2360.2	2461.7	2563.3	2778.2	2993.0	3121.9	3250.8	2994.3	3250.8
82.5°	791.3	1132.7	1474.3	1587.7	1701.2	1849.1	1997.0	2050.8	2104.5	1903.0	2104.5
85°	348.2	529.4	710.6	807.1	903.6	1025.1	1146.6	1177.1	1207.7	1046.2	1207.7
87.5°	107.8	168.7	229.6	283.4	337.3	398.0	458.8	461.5	464.0	389.5	464.0
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: P961835  
 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1442.1	1439.8	1435.3	1430.8	1423.2	1415.6	1410.3	1405.0	1394.2	1383.3	1371.9
5°	1611.0	1604.9	1594.9	1585.0	1566.4	1548.0	1529.3	1510.7	1486.9	1463.1	1439.3
7.5°	1773.6	1764.7	1748.3	1731.9	1704.7	1677.5	1647.3	1617.0	1577.7	1538.4	1502.1
10°	1881.2	1872.5	1853.3	1833.9	1802.0	1770.1	1734.3	1698.4	1648.8	1599.1	1551.1
12.5°	1916.3	1911.6	1897.6	1883.5	1854.7	1825.9	1787.2	1748.3	1693.7	1639.2	1584.9
15°	1877.8	1882.8	1882.3	1881.8	1863.7	1845.6	1812.2	1778.7	1721.8	1664.9	1605.9
17.5°	1782.4	1801.0	1821.3	1841.6	1841.3	1840.9	1818.4	1795.7	1738.0	1680.3	1616.0
20°	1660.4	1693.1	1737.9	1782.7	1806.5	1830.3	1822.3	1814.6	1754.6	1694.5	1623.9
22.5°	1544.4	1585.2	1651.1	1717.0	1766.4	1815.7	1826.0	1836.3	1775.1	1713.8	1634.5
25°	1446.4	1489.3	1569.4	1649.4	1724.4	1799.2	1831.8	1864.4	1804.3	1744.3	1653.7
27.5°	1367.9	1410.1	1498.9	1587.5	1686.7	1786.0	1844.3	1902.5	1845.2	1787.9	1683.9
30°	1311.9	1351.1	1443.5	1536.0	1658.0	1780.2	1867.0	1953.9	1898.5	1843.3	1722.8
32.5°	1295.8	1326.6	1413.5	1500.3	1638.5	1776.6	1895.5	2014.5	1959.7	1905.0	1763.4
35°	1381.4	1388.6	1448.8	1509.2	1653.1	1797.1	1942.7	2088.2	2035.8	1983.3	1809.7
37.5°	1633.1	1600.3	1604.2	1608.1	1739.0	1869.8	2041.1	2212.4	2145.4	2078.6	1861.6
40°	2049.8	1970.0	1901.4	1832.7	1930.0	2027.3	2213.6	2399.8	2302.4	2204.9	1927.5
42.5°	2611.4	2466.4	2316.6	2166.7	2222.8	2278.9	2463.7	2648.5	2507.8	2367.1	2013.7
45°	3292.2	3054.0	2814.0	2574.0	2598.8	2623.5	2789.5	2955.5	2765.8	2576.0	2127.1
47.5°	4047.6	3698.8	3352.7	3006.5	3011.6	3016.5	3178.0	3339.6	3072.4	2805.3	2247.9
50°	4798.3	4338.0	3891.8	3445.6	3444.8	3443.9	3643.4	3842.8	3440.2	3037.6	2360.0
52.5°	5524.2	4954.6	4421.6	3888.7	3913.1	3937.6	4179.0	4420.6	3826.5	3232.4	2432.8
55°	6233.3	5554.4	4961.2	4368.0	4463.3	4558.5	4797.1	5035.7	4169.1	3302.4	2416.7
57.5°	6920.4	6151.2	5552.3	4953.4	5144.3	5335.2	5465.3	5595.2	4411.8	3228.3	2303.9
60°	7819.8	6996.3	6429.6	5862.8	6099.9	6337.1	6135.1	5933.3	4472.5	3011.6	2093.8
62.5°	8633.1	7849.7	7330.4	6811.1	6837.9	6864.6	6313.2	5761.6	4217.1	2672.4	1809.6
65°	8737.4	7977.7	7317.8	6658.0	6555.6	6453.2	5935.6	5417.9	3855.6	2293.2	1519.8
67.5°	8176.0	7413.1	6725.6	6038.1	5990.1	5942.1	5449.8	4957.5	3425.6	1893.6	1235.8
70°	7404.4	6747.8	6133.1	5518.3	5496.8	5475.2	4939.8	4404.3	2956.3	1508.2	973.0
72.5°	6458.6	5966.9	5485.9	5004.9	4989.5	4974.0	4359.5	3745.0	2447.5	1150.0	743.9
75°	5391.9	5045.8	4671.5	4297.3	4240.2	4183.1	3547.1	2911.1	1864.4	817.5	539.9
77.5°	4245.2	3999.8	3715.2	3430.8	3349.1	3267.3	2673.6	2079.9	1304.9	529.8	365.8
80°	3121.9	2993.0	2778.2	2563.3	2461.7	2360.2	1860.8	1361.3	840.7	320.1	235.7
82.5°	2050.8	1997.0	1849.1	1701.2	1587.7	1474.3	1132.7	791.3	486.6	181.8	144.9
85°	1177.1	1146.6	1025.1	903.6	807.1	710.6	529.4	348.2	218.8	89.6	77.5
87.5°	461.5	458.8	398.0	337.3	283.4	229.6	168.7	107.8	71.6	35.6	32.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1360.5	1348.9	1337.4	1326.4	1315.4	1304.7	1292.8	1283.2	1273.6	1265.0	1256.3
5°	1415.6	1391.7	1367.9	1345.5	1323.3	1302.2	1281.4	1263.2	1245.1	1229.8	1214.6
7.5°	1465.9	1430.5	1395.1	1364.1	1332.9	1304.2	1277.3	1253.1	1229.0	1208.9	1188.9
10°	1503.2	1460.3	1417.4	1380.6	1343.7	1308.2	1279.3	1253.8	1228.4	1208.3	1188.2
12.5°	1530.5	1479.9	1429.3	1387.6	1345.9	1308.7	1281.8	1261.0	1240.1	1226.8	1213.6
15°	1546.9	1488.7	1430.4	1382.1	1333.9	1292.6	1271.1	1261.2	1251.2	1253.0	1254.8
17.5°	1551.6	1484.0	1416.3	1358.3	1300.3	1251.8	1238.5	1242.2	1245.8	1267.6	1289.4
20°	1553.2	1471.2	1389.2	1317.2	1245.4	1188.9	1185.4	1202.4	1219.4	1257.4	1295.4
22.5°	1555.2	1455.4	1355.7	1269.1	1182.5	1118.2	1125.0	1150.3	1175.5	1218.8	1262.2
25°	1563.1	1439.9	1316.7	1215.3	1114.0	1048.0	1066.5	1095.6	1124.7	1163.7	1202.6
27.5°	1579.6	1429.5	1279.4	1166.1	1052.9	992.8	1015.5	1043.4	1071.5	1103.6	1135.6
30°	1602.3	1424.6	1246.9	1125.0	1003.2	952.7	970.5	992.7	1015.1	1041.6	1068.3
32.5°	1621.9	1418.6	1215.3	1089.6	963.8	923.2	931.0	944.2	957.5	978.7	999.9
35°	1636.2	1407.3	1178.5	1054.7	930.9	897.1	893.8	897.5	901.1	917.3	933.5
37.5°	1644.7	1387.8	1131.1	1013.7	896.4	866.7	854.8	850.9	846.9	858.4	870.0
40°	1650.0	1361.2	1072.4	964.8	857.2	830.5	812.1	803.1	794.0	802.4	810.8
42.5°	1660.3	1333.6	1007.1	910.8	814.6	789.9	766.8	754.7	742.7	749.5	756.3
45°	1678.1	1308.0	937.9	853.4	769.1	743.9	721.6	709.9	698.2	704.0	709.8
47.5°	1690.4	1286.8	883.2	808.1	732.9	700.6	681.4	671.6	661.7	667.2	672.5
50°	1682.4	1263.7	845.1	778.0	710.7	668.3	646.0	637.2	628.5	636.9	645.4
52.5°	1633.0	1224.8	816.6	758.1	699.6	650.7	619.5	610.9	602.3	615.0	627.6
55°	1531.0	1160.2	789.5	743.7	697.9	652.5	605.5	591.8	578.3	596.2	614.2
57.5°	1379.3	1069.2	759.0	726.6	694.3	654.3	597.1	577.2	557.4	576.7	596.0
60°	1176.0	951.0	726.0	700.6	675.2	648.7	589.2	563.4	537.6	554.6	571.6
62.5°	946.9	809.5	672.2	655.3	638.5	635.2	579.9	547.8	515.6	526.3	537.2
65°	746.4	682.2	618.1	610.2	602.2	602.6	560.5	526.2	492.0	496.2	500.3
67.5°	578.1	560.0	541.7	546.1	550.5	549.4	525.8	497.3	468.8	467.5	466.3
70°	437.9	443.1	448.2	468.9	489.5	489.5	481.7	461.6	441.3	436.8	432.2
72.5°	337.7	353.5	369.2	398.5	427.7	432.7	432.8	418.8	405.0	398.3	391.8
75°	262.3	276.5	290.8	323.6	356.3	379.0	377.1	366.4	355.7	349.3	343.0
77.5°	201.9	211.6	221.3	253.2	285.0	322.4	321.3	312.7	304.2	297.8	291.4
80°	151.4	155.4	159.4	186.3	213.3	257.9	257.8	250.6	243.4	238.0	232.6
82.5°	108.1	108.9	109.7	129.6	149.3	187.5	189.6	186.1	182.6	178.8	175.0
85°	65.4	65.1	64.7	79.2	93.8	122.1	124.8	121.1	117.3	113.1	108.8
87.5°	28.7	28.3	28.0	33.9	39.9	51.7	55.1	53.6	52.2	51.4	50.5
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: P961835  
 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1248.8	1241.2	1233.6	1226.0	1220.1	1214.2	1209.4	1204.7	1201.0	1197.2	1193.8
5°	1201.2	1187.8	1175.6	1163.3	1153.9	1144.5	1138.0	1131.4	1126.7	1122.1	1118.5
7.5°	1172.0	1155.1	1140.1	1125.2	1114.1	1102.9	1095.1	1087.2	1081.9	1076.6	1073.4
10°	1170.0	1151.8	1135.0	1118.2	1104.8	1091.4	1082.7	1073.9	1068.9	1063.7	1061.1
12.5°	1199.2	1185.0	1167.6	1150.3	1133.2	1116.2	1104.9	1093.6	1087.9	1082.3	1080.0
15°	1251.1	1247.4	1232.3	1217.2	1192.9	1168.7	1151.5	1134.4	1126.5	1118.7	1115.7
17.5°	1301.1	1312.7	1300.5	1288.4	1256.2	1224.2	1198.8	1173.6	1161.9	1150.3	1146.5
20°	1319.7	1344.0	1338.4	1332.7	1296.0	1259.3	1228.4	1197.4	1182.5	1167.6	1162.8
22.5°	1293.9	1325.5	1328.9	1332.3	1297.1	1262.1	1230.2	1198.2	1182.5	1166.9	1161.5
25°	1233.8	1265.0	1276.5	1288.1	1259.3	1230.6	1202.2	1173.9	1160.3	1146.8	1141.8
27.5°	1160.5	1185.5	1198.4	1211.4	1190.9	1170.4	1148.5	1126.5	1117.4	1108.1	1105.9
30°	1089.0	1109.7	1120.2	1130.7	1115.1	1099.5	1083.7	1067.9	1063.2	1058.5	1058.5
32.5°	1019.8	1039.7	1051.3	1063.0	1048.7	1034.3	1021.7	1009.1	1006.1	1003.1	1003.5
35°	953.1	972.8	986.9	1000.9	990.7	980.5	968.8	957.2	952.6	948.0	947.0
37.5°	889.6	909.3	926.6	944.0	939.3	934.6	923.8	913.2	904.7	896.3	891.7
40°	829.6	848.6	868.6	888.6	889.7	890.8	881.8	872.7	860.4	848.1	839.8
42.5°	774.3	792.3	813.8	835.5	841.2	847.0	839.3	831.7	816.4	801.1	789.0
45°	726.8	743.8	766.2	788.5	796.8	805.1	798.2	791.3	773.9	756.3	742.2
47.5°	689.2	705.8	728.0	750.0	759.5	769.1	764.2	759.4	743.8	728.3	715.1
50°	661.2	676.9	696.6	716.4	728.6	740.9	740.6	740.4	728.0	715.4	703.4
52.5°	642.1	656.5	674.9	693.3	707.8	722.3	724.9	727.5	717.4	707.2	696.4
55°	629.8	645.3	661.4	677.5	692.9	708.3	711.9	715.4	706.6	697.8	688.3
57.5°	614.3	632.5	648.5	664.5	680.0	695.5	699.0	702.7	693.8	684.9	675.5
60°	592.6	613.5	629.7	646.0	661.5	677.0	681.0	685.0	676.3	667.7	657.9
62.5°	561.6	586.0	603.3	620.6	634.9	649.1	652.9	656.8	648.9	641.0	630.9
65°	526.4	552.7	569.3	585.8	598.3	610.9	614.8	618.7	611.1	603.6	593.7
67.5°	490.4	514.7	530.3	545.9	556.8	567.5	571.4	575.2	568.3	561.4	552.2
70°	453.5	474.8	488.3	501.8	511.6	521.4	525.1	528.8	523.2	517.4	508.6
72.5°	408.6	425.2	437.5	449.7	459.3	468.8	473.2	477.6	472.9	468.2	459.8
75°	355.5	367.9	378.9	390.0	398.7	407.4	412.0	416.7	414.4	412.0	405.0
77.5°	301.5	311.6	321.1	330.7	339.8	348.9	353.2	357.5	354.3	351.1	343.9
80°	241.1	249.4	257.4	265.5	272.4	279.3	285.1	290.8	289.4	288.0	278.4
82.5°	174.2	173.5	170.8	167.9	182.8	197.6	207.4	217.1	216.5	215.9	207.8
85°	105.2	101.5	93.8	86.0	99.8	113.8	125.9	137.9	136.8	135.8	129.6
87.5°	50.4	50.2	44.3	38.3	44.2	50.0	54.9	59.8	58.5	57.3	54.0
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: P961835  
 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1190.3	1186.1	1190.3	1193.8	1197.2	1201.0	1204.7	1209.4	1214.2	1220.1	1226.0
5°	1114.9	1111.4	1114.9	1118.5	1122.1	1126.7	1131.4	1138.0	1144.5	1153.9	1163.3
7.5°	1070.2	1067.8	1070.2	1073.4	1076.6	1081.9	1087.2	1095.1	1102.9	1114.1	1125.2
10°	1058.4	1057.3	1058.4	1061.1	1063.7	1068.9	1073.9	1082.7	1091.4	1104.8	1118.2
12.5°	1077.7	1077.4	1077.7	1080.0	1082.3	1087.9	1093.6	1104.9	1116.2	1133.2	1150.3
15°	1112.6	1112.4	1112.6	1115.7	1118.7	1126.5	1134.4	1151.5	1168.7	1192.9	1217.2
17.5°	1142.6	1142.0	1142.6	1146.5	1150.3	1161.9	1173.6	1198.8	1224.2	1256.2	1288.4
20°	1158.0	1156.5	1158.0	1162.8	1167.6	1182.5	1197.4	1228.4	1259.3	1296.0	1332.7
22.5°	1156.3	1154.0	1156.3	1161.5	1166.9	1182.5	1198.2	1230.2	1262.1	1297.1	1332.3
25°	1136.9	1134.0	1136.9	1141.8	1146.8	1160.3	1173.9	1202.2	1230.6	1259.3	1288.1
27.5°	1103.6	1102.9	1103.6	1105.9	1108.1	1117.4	1126.5	1148.5	1170.4	1190.9	1211.4
30°	1058.5	1059.2	1058.5	1058.5	1058.5	1063.2	1067.9	1083.7	1099.5	1115.1	1130.7
32.5°	1003.9	1004.6	1003.9	1003.5	1003.1	1006.1	1009.1	1021.7	1034.3	1048.7	1063.0
35°	946.0	945.5	946.0	947.0	948.0	952.6	957.2	968.8	980.5	990.7	1000.9
37.5°	887.3	884.8	887.3	891.7	896.3	904.7	913.2	923.8	934.6	939.3	944.0
40°	831.6	826.7	831.6	839.8	848.1	860.4	872.7	881.8	890.8	889.7	888.6
42.5°	776.9	769.1	776.9	789.0	801.1	816.4	831.7	839.3	847.0	841.2	835.5
45°	728.1	718.9	728.1	742.2	756.3	773.9	791.3	798.2	805.1	796.8	788.5
47.5°	702.1	693.3	702.1	715.1	728.3	743.8	759.4	764.2	769.1	759.5	750.0
50°	691.3	682.8	691.3	703.4	715.4	728.0	740.4	740.6	740.9	728.6	716.4
52.5°	685.5	677.7	685.5	696.4	707.2	717.4	727.5	724.9	722.3	707.8	693.3
55°	678.8	671.8	678.8	688.3	697.8	706.6	715.4	711.9	708.3	692.9	677.5
57.5°	666.0	658.8	666.0	675.5	684.9	693.8	702.7	699.0	695.5	680.0	664.5
60°	648.2	640.7	648.2	657.9	667.7	676.3	685.0	681.0	677.0	661.5	646.0
62.5°	620.6	611.6	620.6	630.9	641.0	648.9	656.8	652.9	649.1	634.9	620.6
65°	583.7	576.0	583.7	593.7	603.6	611.1	618.7	614.8	610.9	598.3	585.8
67.5°	542.9	535.9	542.9	552.2	561.4	568.3	575.2	571.4	567.5	556.8	545.9
70°	499.8	491.8	499.8	508.6	517.4	523.2	528.8	525.1	521.4	511.6	501.8
72.5°	451.4	443.6	451.4	459.8	468.2	472.9	477.6	473.2	468.8	459.3	449.7
75°	397.9	390.5	397.9	405.0	412.0	414.4	416.7	412.0	407.4	398.7	390.0
77.5°	336.8	330.9	336.8	343.9	351.1	354.3	357.5	353.2	348.9	339.8	330.7
80°	268.8	257.7	268.8	278.4	288.0	289.4	290.8	285.1	279.3	272.4	265.5
82.5°	199.7	192.5	199.7	207.8	215.9	216.5	217.1	207.4	197.6	182.8	167.9
85°	123.2	116.8	123.2	129.6	135.8	136.8	137.9	125.9	113.8	99.8	86.0
87.5°	50.7	47.7	50.7	54.0	57.3	58.5	59.8	54.9	50.0	44.2	38.3
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: P961835  
 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1233.6	1241.2	1248.8	1256.3	1265.0	1273.6	1283.2	1292.8	1304.7	1315.4	1326.4
5°	1175.6	1187.8	1201.2	1214.6	1229.8	1245.1	1263.2	1281.4	1302.2	1323.3	1345.5
7.5°	1140.1	1155.1	1172.0	1188.9	1208.9	1229.0	1253.1	1277.3	1304.2	1332.9	1364.1
10°	1135.0	1151.8	1170.0	1188.2	1208.3	1228.4	1253.8	1279.3	1308.2	1343.7	1380.6
12.5°	1167.6	1185.0	1199.2	1213.6	1226.8	1240.1	1261.0	1281.8	1308.7	1345.9	1387.6
15°	1232.3	1247.4	1251.1	1254.8	1253.0	1251.2	1261.2	1271.1	1292.6	1333.9	1382.1
17.5°	1300.5	1312.7	1301.1	1289.4	1267.6	1245.8	1242.2	1238.5	1251.8	1300.3	1358.3
20°	1338.4	1344.0	1319.7	1295.4	1257.4	1219.4	1202.4	1185.4	1188.9	1245.4	1317.2
22.5°	1328.9	1325.5	1293.9	1262.2	1218.8	1175.5	1150.3	1125.0	1118.2	1182.5	1269.1
25°	1276.5	1265.0	1233.8	1202.6	1163.7	1124.7	1095.6	1066.5	1048.0	1114.0	1215.3
27.5°	1198.4	1185.5	1160.5	1135.6	1103.6	1071.5	1043.4	1015.5	992.8	1052.9	1166.1
30°	1120.2	1109.7	1089.0	1068.3	1041.6	1015.1	992.7	970.5	952.7	1003.2	1125.0
32.5°	1051.3	1039.7	1019.8	999.9	978.7	957.5	944.2	931.0	923.2	963.8	1089.6
35°	986.9	972.8	953.1	933.5	917.3	901.1	897.5	893.8	897.1	930.9	1054.7
37.5°	926.6	909.3	889.6	870.0	858.4	846.9	850.9	854.8	866.7	896.4	1013.7
40°	868.6	848.6	829.6	810.8	802.4	794.0	803.1	812.1	830.5	857.2	964.8
42.5°	813.8	792.3	774.3	756.3	749.5	742.7	754.7	766.8	789.9	814.6	910.8
45°	766.2	743.8	726.8	709.8	704.0	698.2	709.9	721.6	743.9	769.1	853.4
47.5°	728.0	705.8	689.2	672.5	667.2	661.7	671.6	681.4	700.6	732.9	808.1
50°	696.6	676.9	661.2	645.4	636.9	628.5	637.2	646.0	668.3	710.7	778.0
52.5°	674.9	656.5	642.1	627.6	615.0	602.3	610.9	619.5	650.7	699.6	758.1
55°	661.4	645.3	629.8	614.2	596.2	578.3	591.8	605.5	652.5	697.9	743.7
57.5°	648.5	632.5	614.3	596.0	576.7	557.4	577.2	597.1	654.3	694.3	726.6
60°	629.7	613.5	592.6	571.6	554.6	537.6	563.4	589.2	648.7	675.2	700.6
62.5°	603.3	586.0	561.6	537.2	526.3	515.6	547.8	579.9	635.2	638.5	655.3
65°	569.3	552.7	526.4	500.3	496.2	492.0	526.2	560.5	602.6	602.2	610.2
67.5°	530.3	514.7	490.4	466.3	467.5	468.8	497.3	525.8	549.4	550.5	546.1
70°	488.3	474.8	453.5	432.2	436.8	441.3	461.6	481.7	489.5	489.5	468.9
72.5°	437.5	425.2	408.6	391.8	398.3	405.0	418.8	432.8	432.7	427.7	398.5
75°	378.9	367.9	355.5	343.0	349.3	355.7	366.4	377.1	379.0	356.3	323.6
77.5°	321.1	311.6	301.5	291.4	297.8	304.2	312.7	321.3	322.4	285.0	253.2
80°	257.4	249.4	241.1	232.6	238.0	243.4	250.6	257.8	257.9	213.3	186.3
82.5°	170.8	173.5	174.2	175.0	178.8	182.6	186.1	189.6	187.5	149.3	129.6
85°	93.8	101.5	105.2	108.8	113.1	117.3	121.1	124.8	122.1	93.8	79.2
87.5°	44.3	50.2	50.4	50.5	51.4	52.2	53.6	55.1	51.7	39.9	33.9
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: P961835  
 CATALOG NUMBER: NAV-SB2B-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5	1306.5
2.5°	1337.4	1348.9	1360.5	1371.9	1383.3	1394.2	1405.0
5°	1367.9	1391.7	1415.6	1439.3	1463.1	1486.9	1510.7
7.5°	1395.1	1430.5	1465.9	1502.1	1538.4	1577.7	1617.0
10°	1417.4	1460.3	1503.2	1551.1	1599.1	1648.8	1698.4
12.5°	1429.3	1479.9	1530.5	1584.9	1639.2	1693.7	1748.3
15°	1430.4	1488.7	1546.9	1605.9	1664.9	1721.8	1778.7
17.5°	1416.3	1484.0	1551.6	1616.0	1680.3	1738.0	1795.7
20°	1389.2	1471.2	1553.2	1623.9	1694.5	1754.6	1814.6
22.5°	1355.7	1455.4	1555.2	1634.5	1713.8	1775.1	1836.3
25°	1316.7	1439.9	1563.1	1653.7	1744.3	1804.3	1864.4
27.5°	1279.4	1429.5	1579.6	1683.9	1787.9	1845.2	1902.5
30°	1246.9	1424.6	1602.3	1722.8	1843.3	1898.5	1953.9
32.5°	1215.3	1418.6	1621.9	1763.4	1905.0	1959.7	2014.5
35°	1178.5	1407.3	1636.2	1809.7	1983.3	2035.8	2088.2
37.5°	1131.1	1387.8	1644.7	1861.6	2078.6	2145.4	2212.4
40°	1072.4	1361.2	1650.0	1927.5	2204.9	2302.4	2399.8
42.5°	1007.1	1333.6	1660.3	2013.7	2367.1	2507.8	2648.5
45°	937.9	1308.0	1678.1	2127.1	2576.0	2765.8	2955.5
47.5°	883.2	1286.8	1690.4	2247.9	2805.3	3072.4	3339.6
50°	845.1	1263.7	1682.4	2360.0	3037.6	3440.2	3842.8
52.5°	816.6	1224.8	1633.0	2432.8	3232.4	3826.5	4420.6
55°	789.5	1160.2	1531.0	2416.7	3302.4	4169.1	5035.7
57.5°	759.0	1069.2	1379.3	2303.9	3228.3	4411.8	5595.2
60°	726.0	951.0	1176.0	2093.8	3011.6	4472.5	5933.3
62.5°	672.2	809.5	946.9	1809.6	2672.4	4217.1	5761.6
65°	618.1	682.2	746.4	1519.8	2293.2	3855.6	5417.9
67.5°	541.7	560.0	578.1	1235.8	1893.6	3425.6	4957.5
70°	448.2	443.1	437.9	973.0	1508.2	2956.3	4404.3
72.5°	369.2	353.5	337.7	743.9	1150.0	2447.5	3745.0
75°	290.8	276.5	262.3	539.9	817.5	1864.4	2911.1
77.5°	221.3	211.6	201.9	365.8	529.8	1304.9	2079.9
80°	159.4	155.4	151.4	235.7	320.1	840.7	1361.3
82.5°	109.7	108.9	108.1	144.9	181.8	486.6	791.3
85°	64.7	65.1	65.4	77.5	89.6	218.8	348.2
87.5°	28.0	28.3	28.7	32.2	35.6	71.6	107.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)