

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: P960781

Luminaire Tested: **NAV-SB1D-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P960781
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-SB1D-722-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2200K, 900mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8588.5 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

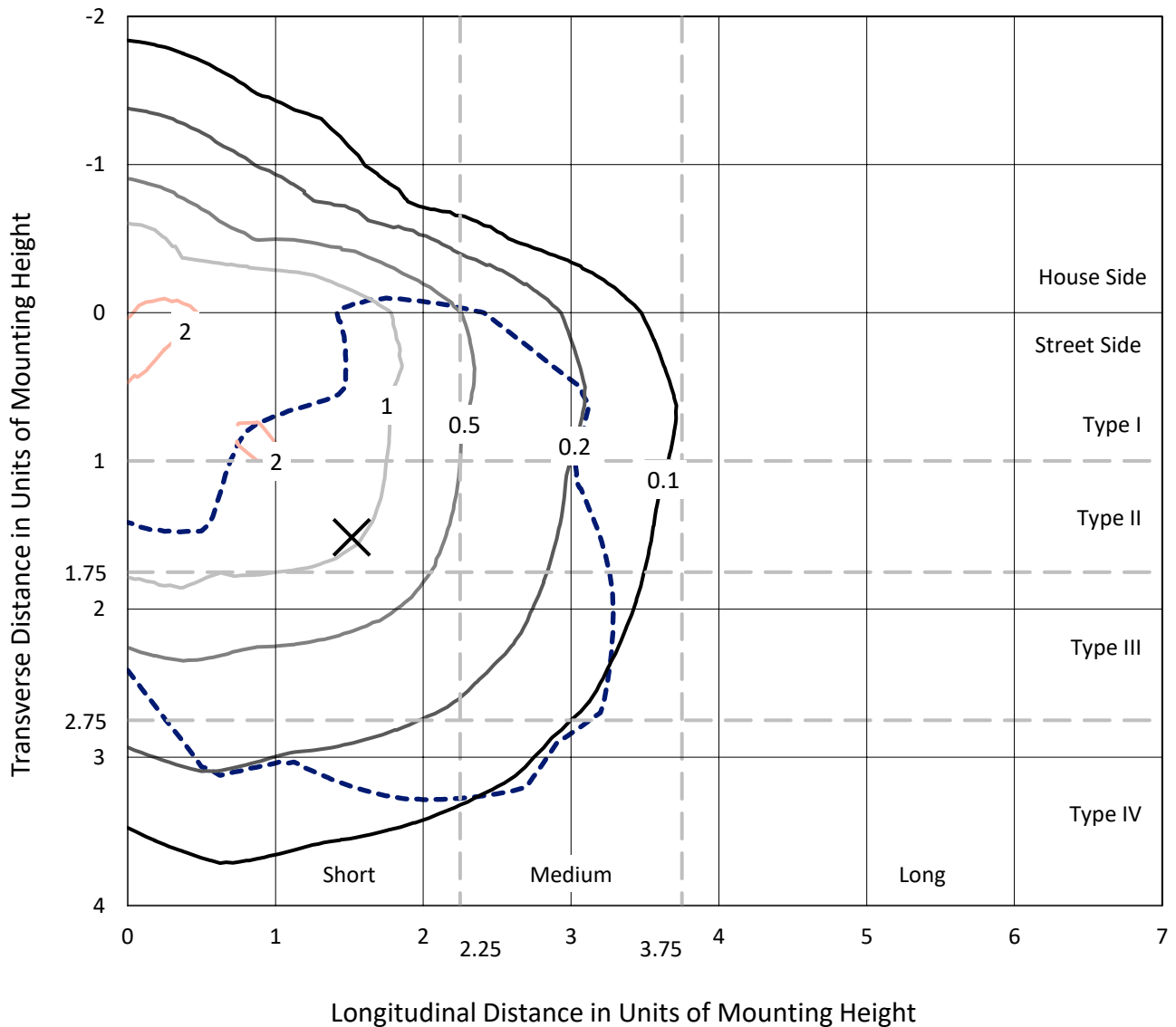
Input Watts (W): 79.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

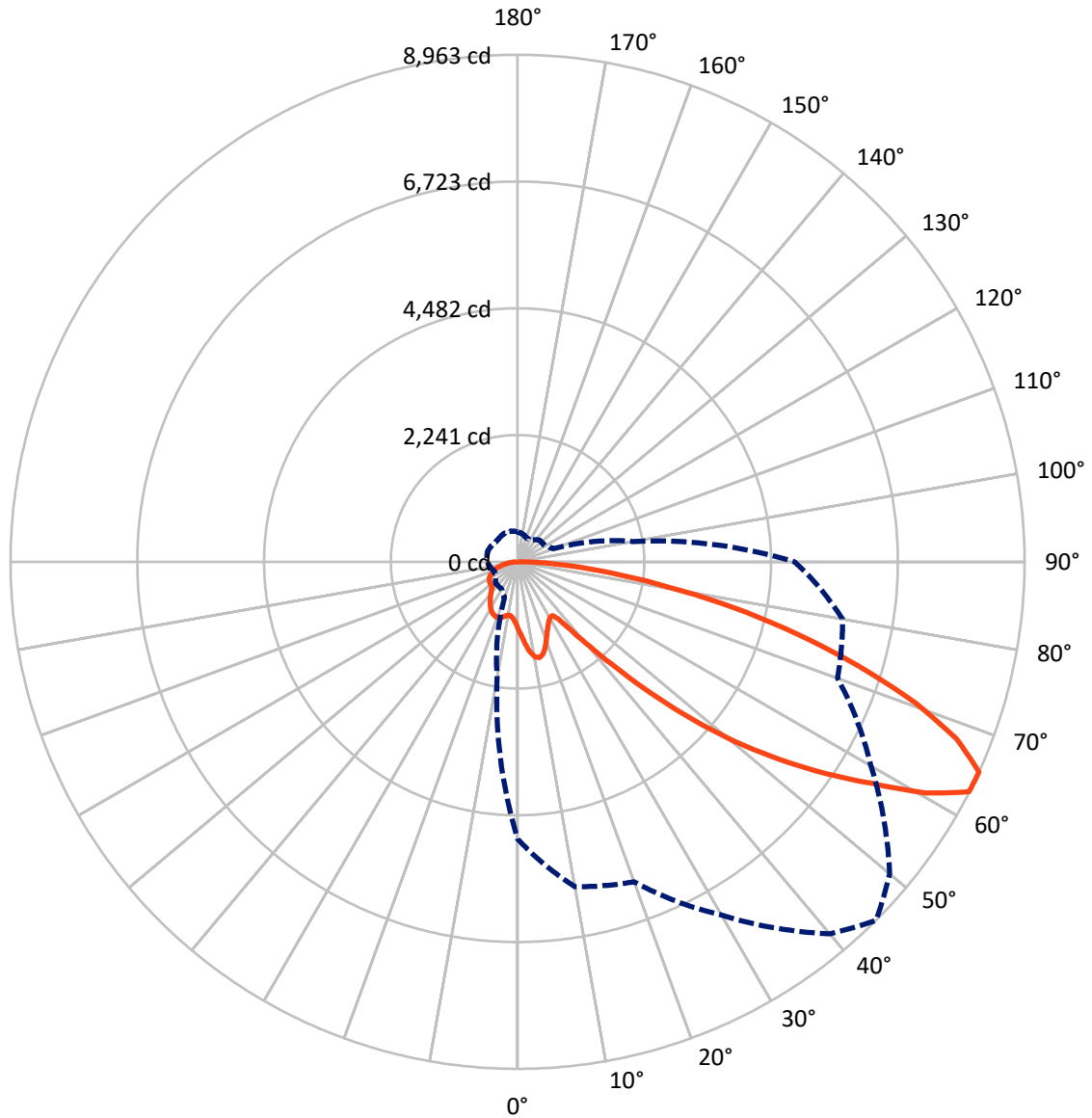
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 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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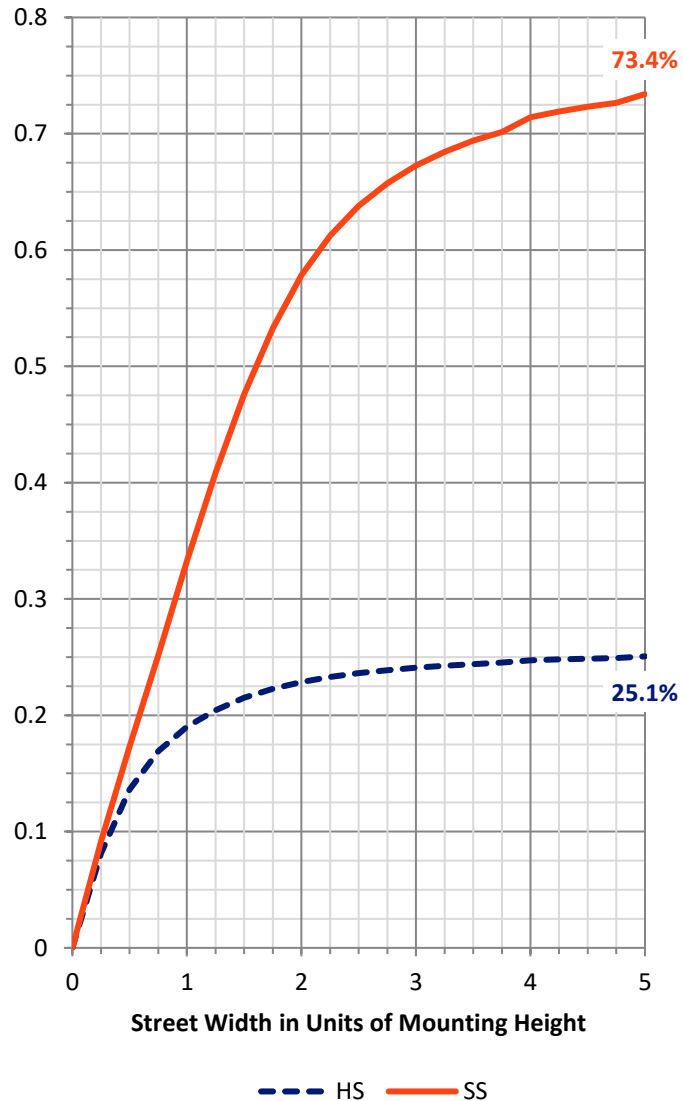
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2182.8	0.0	2182.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6405.7	0.0	6405.7
	% Fixture	74.6	0.0	74.6
Total	Lumens	8588.5	0.0	8588.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.2	1.4
10°-20°	367.8	4.3
20°-30°	568.1	6.6
30°-40°	719.9	8.4
40°-50°	1085.8	12.6
50°-60°	1754.2	20.4
60°-70°	2186.9	25.5
70°-80°	1434.1	16.7
80°-90°	354.5	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°	8588.5	100.0
0°-180°	8588.5	100.0

Coefficient of Utilization



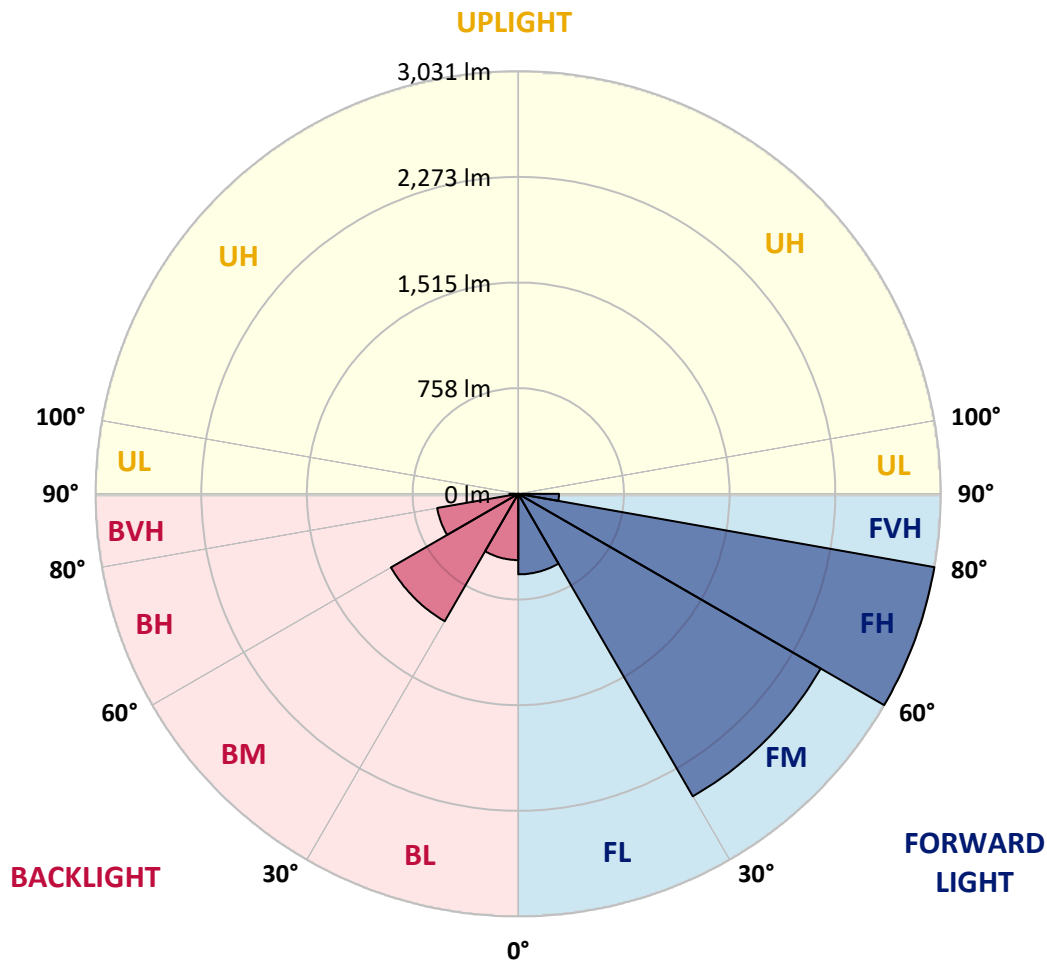
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.7	6.7			
FM (30°-60°)	2505.1	29.2			
FH (60°-80°)	3030.9	35.3			G2/5000
FVH (80°-90°)	292.1	3.4			G3/500
BL (0°-30°)	475.3	5.5	B1/500		
BM (30°-60°)	1054.8	12.3	B2/2500		
BH (60°-80°)	590.1	6.9	B2/1000		G2/1000
BVH (80°-90°)	62.5	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°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1270.1	1274.8	1279.7	1286.6	1293.3	1297.4	1301.5	1303.6	1305.6	1304.7	1305.6
5°	1365.7	1382.5	1399.3	1416.0	1432.7	1441.8	1450.9	1456.3	1461.9	1466.1	1461.9
7.5°	1461.8	1489.1	1516.4	1541.1	1565.7	1580.4	1595.3	1603.3	1611.3	1615.1	1611.3
10°	1535.3	1567.7	1600.1	1628.9	1657.8	1675.4	1692.7	1700.5	1708.3	1711.2	1708.3
12.5°	1580.4	1615.5	1650.6	1676.7	1702.7	1715.3	1728.0	1732.4	1736.6	1737.1	1736.6
15°	1607.9	1638.2	1668.4	1684.8	1701.2	1701.6	1702.0	1697.5	1693.0	1687.7	1693.0
17.5°	1623.3	1643.7	1664.2	1664.5	1664.8	1646.4	1628.0	1611.2	1594.4	1582.5	1594.4
20°	1640.3	1647.4	1654.6	1633.0	1611.5	1571.0	1530.5	1501.0	1471.5	1453.3	1471.5
22.5°	1660.0	1650.7	1641.3	1596.7	1552.2	1492.5	1432.9	1396.0	1359.1	1339.2	1359.1
25°	1685.4	1655.9	1626.5	1558.7	1491.1	1418.7	1346.3	1307.5	1268.8	1249.9	1268.8
27.5°	1719.8	1667.2	1614.5	1524.8	1435.1	1354.9	1274.7	1236.6	1198.4	1180.5	1198.4
30°	1766.3	1687.8	1609.2	1498.9	1388.5	1304.9	1221.3	1185.9	1150.6	1133.9	1150.6
32.5°	1821.1	1713.6	1606.1	1481.2	1356.3	1277.8	1199.2	1171.5	1143.6	1131.6	1143.6
35°	1887.7	1756.1	1624.5	1494.4	1364.3	1309.7	1255.2	1248.8	1242.3	1241.3	1242.3
37.5°	1999.9	1845.1	1690.2	1572.0	1453.8	1450.2	1446.7	1476.3	1505.9	1521.3	1505.9
40°	2169.4	2001.0	1832.7	1744.7	1656.7	1718.8	1780.9	1853.0	1925.1	1960.9	1925.1
42.5°	2394.2	2227.1	2060.0	2009.4	1958.8	2094.2	2229.6	2360.6	2491.7	2568.6	2491.7
45°	2671.8	2521.7	2371.5	2349.2	2326.9	2543.8	2760.7	2976.1	3191.5	3322.2	3191.5
47.5°	3018.8	2872.9	2726.9	2722.3	2717.8	3030.8	3343.7	3658.9	3974.1	4159.2	3974.1
50°	3473.8	3293.5	3113.2	3114.1	3114.8	3518.1	3921.4	4337.6	4753.7	5005.4	4753.7
52.5°	3996.2	3777.8	3559.5	3537.5	3515.3	3997.1	4478.8	4993.8	5508.7	5810.2	5508.7
55°	4552.2	4336.5	4120.8	4034.7	3948.6	4484.9	5021.1	5634.8	6248.7	6607.4	6248.7
57.5°	5058.0	4940.5	4822.9	4650.3	4477.8	5019.2	5560.6	6255.9	6951.1	7395.9	6951.1
60°	5363.6	5546.1	5728.5	5514.2	5299.9	5812.3	6324.6	7069.0	7813.4	8294.1	7813.4
62.5°	5208.4	5707.0	6205.5	6181.4	6157.2	6626.5	7095.9	7804.1	8512.3	8956.7	8512.3
65°	4897.8	5365.7	5833.6	5926.1	6018.7	6615.1	7211.7	7898.4	8585.2	8963.4	8585.2
67.5°	4481.5	4926.6	5371.5	5415.0	5458.3	6079.8	6701.2	7391.0	8080.7	8377.0	8080.7
70°	3981.4	4465.4	4949.5	4969.0	4988.4	5544.1	6099.9	6693.5	7286.9	7451.6	7286.9
72.5°	3385.5	3940.9	4496.5	4510.4	4524.3	4959.2	5394.0	5838.5	6282.9	6299.6	6282.9
75°	2631.6	3206.5	3781.4	3833.1	3884.6	4223.0	4561.2	4874.2	5187.1	5103.3	5187.1
77.5°	1880.3	2417.0	2953.6	3027.4	3101.3	3358.5	3615.7	3837.6	4059.6	3915.5	4059.6
80°	1230.6	1682.1	2133.5	2225.4	2317.2	2511.5	2705.6	2822.1	2938.7	2706.8	2938.7
82.5°	715.3	1024.0	1332.7	1435.3	1537.9	1671.6	1805.2	1853.9	1902.5	1720.3	1902.5
85°	314.8	478.6	642.4	729.6	816.8	926.7	1036.5	1064.2	1091.7	945.8	1091.7
87.5°	97.5	152.5	207.6	256.2	304.9	359.8	414.7	417.1	419.4	352.1	419.4
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°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1303.6	1301.5	1297.4	1293.3	1286.6	1279.7	1274.8	1270.1	1260.3	1250.6	1240.1
5°	1456.3	1450.9	1441.8	1432.7	1416.0	1399.3	1382.5	1365.7	1344.2	1322.6	1301.1
7.5°	1603.3	1595.3	1580.4	1565.7	1541.1	1516.4	1489.1	1461.8	1426.2	1390.7	1357.9
10°	1700.5	1692.7	1675.4	1657.8	1628.9	1600.1	1567.7	1535.3	1490.5	1445.6	1402.2
12.5°	1732.4	1728.0	1715.3	1702.7	1676.7	1650.6	1615.5	1580.4	1531.1	1481.8	1432.6
15°	1697.5	1702.0	1701.6	1701.2	1684.8	1668.4	1638.2	1607.9	1556.5	1505.0	1451.7
17.5°	1611.2	1628.0	1646.4	1664.8	1664.5	1664.2	1643.7	1623.3	1571.1	1518.9	1460.8
20°	1501.0	1530.5	1571.0	1611.5	1633.0	1654.6	1647.4	1640.3	1586.1	1531.9	1467.9
22.5°	1396.0	1432.9	1492.5	1552.2	1596.7	1641.3	1650.7	1660.0	1604.6	1549.2	1477.5
25°	1307.5	1346.3	1418.7	1491.1	1558.7	1626.5	1655.9	1685.4	1631.1	1576.9	1495.0
27.5°	1236.6	1274.7	1354.9	1435.1	1524.8	1614.5	1667.2	1719.8	1668.1	1616.2	1522.1
30°	1185.9	1221.3	1304.9	1388.5	1498.9	1609.2	1687.8	1766.3	1716.3	1666.2	1557.4
32.5°	1171.5	1199.2	1277.8	1356.3	1481.2	1606.1	1713.6	1821.1	1771.6	1722.1	1594.1
35°	1248.8	1255.2	1309.7	1364.3	1494.4	1624.5	1756.1	1887.7	1840.3	1792.8	1636.0
37.5°	1476.3	1446.7	1450.2	1453.8	1572.0	1690.2	1845.1	1999.9	1939.4	1878.9	1682.8
40°	1853.0	1780.9	1718.8	1656.7	1744.7	1832.7	2001.0	2169.4	2081.3	1993.2	1742.4
42.5°	2360.6	2229.6	2094.2	1958.8	2009.4	2060.0	2227.1	2394.2	2267.0	2139.8	1820.3
45°	2976.1	2760.7	2543.8	2326.9	2349.2	2371.5	2521.7	2671.8	2500.2	2328.7	1922.8
47.5°	3658.9	3343.7	3030.8	2717.8	2722.3	2726.9	2872.9	3018.8	2777.4	2536.0	2032.1
50°	4337.6	3921.4	3518.1	3114.8	3114.1	3113.2	3293.5	3473.8	3110.0	2745.9	2133.4
52.5°	4993.8	4478.8	3997.1	3515.3	3537.5	3559.5	3777.8	3996.2	3459.2	2922.1	2199.2
55°	5634.8	5021.1	4484.9	3948.6	4034.7	4120.8	4336.5	4552.2	3768.7	2985.3	2184.7
57.5°	6255.9	5560.6	5019.2	4477.8	4650.3	4822.9	4940.5	5058.0	3988.2	2918.4	2082.6
60°	7069.0	6324.6	5812.3	5299.9	5514.2	5728.5	5546.1	5363.6	4043.0	2722.3	1892.7
62.5°	7804.1	7095.9	6626.5	6157.2	6181.4	6205.5	5707.0	5208.4	3812.1	2415.8	1635.9
65°	7898.4	7211.7	6615.1	6018.7	5926.1	5833.6	5365.7	4897.8	3485.4	2073.1	1373.9
67.5°	7391.0	6701.2	6079.8	5458.3	5415.0	5371.5	4926.6	4481.5	3096.6	1711.7	1117.1
70°	6693.5	6099.9	5544.1	4988.4	4969.0	4949.5	4465.4	3981.4	2672.4	1363.4	879.7
72.5°	5838.5	5394.0	4959.2	4524.3	4510.4	4496.5	3940.9	3385.5	2212.6	1039.6	672.5
75°	4874.2	4561.2	4223.0	3884.6	3833.1	3781.4	3206.5	2631.6	1685.3	739.0	488.1
77.5°	3837.6	3615.7	3358.5	3101.3	3027.4	2953.6	2417.0	1880.3	1179.6	478.9	330.8
80°	2822.1	2705.6	2511.5	2317.2	2225.4	2133.5	1682.1	1230.6	759.9	289.4	213.1
82.5°	1853.9	1805.2	1671.6	1537.9	1435.3	1332.7	1024.0	715.3	439.8	164.4	131.1
85°	1064.2	1036.5	926.7	816.8	729.6	642.4	478.6	314.8	197.8	81.1	70.1
87.5°	417.1	414.7	359.8	304.9	256.2	207.6	152.5	97.5	64.8	32.2	29.0
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°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1229.8	1219.4	1209.0	1199.0	1189.1	1179.4	1168.7	1160.0	1151.3	1143.5	1135.7
5°	1279.7	1258.1	1236.5	1216.4	1196.2	1177.1	1158.4	1142.0	1125.4	1111.7	1098.0
7.5°	1325.1	1293.1	1261.2	1233.1	1204.9	1179.0	1154.7	1132.7	1111.0	1092.9	1074.7
10°	1358.8	1320.1	1281.2	1247.9	1214.6	1182.5	1156.4	1133.4	1110.4	1092.2	1074.1
12.5°	1383.5	1337.8	1292.0	1254.4	1216.7	1183.1	1158.7	1139.8	1121.0	1109.0	1097.1
15°	1398.4	1345.7	1293.0	1249.4	1205.8	1168.5	1149.0	1140.0	1131.1	1132.7	1134.3
17.5°	1402.7	1341.5	1280.3	1227.8	1175.5	1131.6	1119.6	1122.9	1126.2	1145.9	1165.6
20°	1404.0	1329.9	1255.7	1190.7	1125.8	1074.7	1071.5	1086.9	1102.4	1136.6	1171.1
22.5°	1405.9	1315.7	1225.5	1147.2	1069.0	1010.9	1017.0	1039.9	1062.6	1101.8	1141.0
25°	1413.1	1301.6	1190.2	1098.6	1007.0	947.4	964.1	990.5	1016.7	1052.0	1087.2
27.5°	1427.9	1292.2	1156.5	1054.1	951.8	897.5	917.9	943.3	968.6	997.6	1026.5
30°	1448.4	1287.8	1127.2	1017.0	906.8	861.3	877.3	897.4	917.6	941.7	965.7
32.5°	1466.2	1282.4	1098.6	984.9	871.2	834.6	841.6	853.5	865.5	884.7	903.8
35°	1479.1	1272.1	1065.4	953.5	841.5	811.0	808.0	811.3	814.6	829.2	843.8
37.5°	1486.8	1254.6	1022.4	916.4	810.3	783.5	772.7	769.2	765.5	776.0	786.5
40°	1491.7	1230.5	969.3	872.2	774.9	750.7	734.1	725.9	717.7	725.3	732.9
42.5°	1500.8	1205.5	910.3	823.4	736.4	714.0	693.1	682.2	671.4	677.5	683.8
45°	1517.0	1182.4	847.8	771.5	695.2	672.5	652.3	641.8	631.2	636.3	641.6
47.5°	1528.2	1163.3	798.4	730.5	662.6	633.3	615.9	607.1	598.2	603.1	607.9
50°	1520.9	1142.5	763.9	703.3	642.5	604.1	583.9	576.0	568.2	575.8	583.4
52.5°	1476.2	1107.2	738.2	685.3	632.4	588.2	560.1	552.3	544.5	556.0	567.3
55°	1384.1	1048.9	713.7	672.3	630.9	589.8	547.3	535.0	522.8	539.0	555.2
57.5°	1246.9	966.6	686.1	656.9	627.6	591.4	539.8	521.8	503.9	521.3	538.8
60°	1063.0	859.7	656.3	633.3	610.4	586.4	532.6	509.3	486.1	501.4	516.7
62.5°	856.0	731.7	607.6	592.3	577.1	574.2	524.3	495.2	466.1	475.8	485.5
65°	674.7	616.7	558.7	551.6	544.4	544.7	506.7	475.7	444.7	448.5	452.2
67.5°	522.6	506.1	489.6	493.7	497.6	496.7	475.3	449.6	423.8	422.6	421.5
70°	395.9	400.6	405.3	423.9	442.5	442.5	435.5	417.2	398.9	394.8	390.7
72.5°	305.3	319.5	333.7	360.2	386.6	391.1	391.1	378.6	366.1	360.1	354.1
75°	237.1	250.0	262.8	292.4	322.2	342.6	340.9	331.3	321.5	315.8	310.1
77.5°	182.6	191.3	200.1	228.9	257.6	291.4	290.5	282.7	275.0	269.2	263.4
80°	136.8	140.5	144.1	168.5	192.8	233.2	233.0	226.5	220.1	215.1	210.2
82.5°	97.8	98.4	99.1	117.1	135.1	169.5	171.4	168.2	165.0	161.6	158.2
85°	59.1	58.8	58.4	71.6	84.8	110.4	112.9	109.5	106.1	102.2	98.3
87.5°	25.9	25.6	25.3	30.6	36.0	46.6	49.8	48.5	47.2	46.4	45.7
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: P960781
 CATALOG NUMBER: NAV-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1128.8	1122.0	1115.1	1108.2	1103.0	1097.6	1093.3	1089.0	1085.7	1082.3	1079.2
5°	1085.8	1073.7	1062.6	1051.6	1043.1	1034.6	1028.7	1022.7	1018.5	1014.3	1011.1
7.5°	1059.4	1044.2	1030.6	1017.2	1007.1	997.0	989.9	982.9	978.1	973.2	970.3
10°	1057.7	1041.2	1026.0	1010.9	998.8	986.7	978.8	970.8	966.3	961.7	959.2
12.5°	1084.1	1071.2	1055.5	1039.9	1024.4	1009.0	998.8	988.6	983.5	978.5	976.3
15°	1131.0	1127.6	1114.0	1100.3	1078.4	1056.5	1041.0	1025.4	1018.3	1011.3	1008.6
17.5°	1176.2	1186.6	1175.7	1164.7	1135.6	1106.6	1083.7	1060.9	1050.4	1039.9	1036.4
20°	1193.0	1214.9	1209.9	1204.8	1171.6	1138.4	1110.4	1082.4	1069.0	1055.4	1051.1
22.5°	1169.6	1198.2	1201.3	1204.4	1172.6	1140.9	1112.0	1083.2	1069.0	1054.8	1050.0
25°	1115.3	1143.5	1153.9	1164.4	1138.5	1112.4	1086.8	1061.3	1048.9	1036.7	1032.2
27.5°	1049.1	1071.6	1083.4	1095.1	1076.6	1058.1	1038.2	1018.3	1010.0	1001.7	999.7
30°	984.3	1003.1	1012.6	1022.1	1008.1	993.9	979.7	965.3	961.1	956.9	956.9
32.5°	921.8	939.8	950.4	960.9	948.0	935.0	923.6	912.2	909.5	906.7	907.1
35°	861.6	879.3	892.1	904.8	895.5	886.3	875.9	865.3	861.1	857.0	856.1
37.5°	804.2	821.9	837.6	853.3	849.1	844.8	835.2	825.4	817.8	810.2	806.2
40°	750.0	767.1	785.2	803.3	804.3	805.3	797.1	788.9	777.8	766.7	759.2
42.5°	700.0	716.3	735.7	755.2	760.4	765.7	758.7	751.8	738.0	724.2	713.3
45°	657.0	672.4	692.6	712.9	720.4	727.9	721.6	715.3	699.6	683.8	671.0
47.5°	623.0	638.1	658.0	677.9	686.5	695.2	690.8	686.4	672.4	658.4	646.5
50°	597.7	611.9	629.8	647.6	658.7	669.7	669.4	669.2	658.0	646.8	635.8
52.5°	580.5	593.5	610.1	626.8	639.8	652.9	655.3	657.6	648.5	639.4	629.6
55°	569.3	583.3	597.9	612.4	626.4	640.2	643.5	646.8	638.8	630.8	622.2
57.5°	555.3	571.8	586.2	600.6	614.7	628.6	631.9	635.3	627.2	619.1	610.6
60°	535.7	554.6	569.3	583.9	598.0	612.0	615.6	619.3	611.4	603.5	594.7
62.5°	507.7	529.7	545.4	561.1	573.9	586.8	590.3	593.8	586.6	579.5	570.3
65°	475.9	499.6	514.6	529.5	540.9	552.2	555.8	559.3	552.5	545.6	536.7
67.5°	443.3	465.1	479.4	493.5	503.3	513.1	516.6	520.0	513.7	507.5	499.2
70°	409.9	429.2	441.4	453.7	462.5	471.3	474.7	478.1	472.9	467.8	459.8
72.5°	369.3	384.4	395.4	406.5	415.1	423.8	427.8	431.8	427.5	423.2	415.6
75°	321.3	332.5	342.6	352.6	360.5	368.4	372.5	376.7	374.6	372.5	366.1
77.5°	272.5	281.7	290.3	298.9	307.2	315.4	319.3	323.2	320.3	317.3	310.9
80°	217.9	225.5	232.7	240.0	246.3	252.6	257.7	262.8	261.6	260.3	251.7
82.5°	157.5	156.9	154.4	151.8	165.2	178.7	187.5	196.2	195.7	195.1	187.8
85°	95.1	91.7	84.8	77.7	90.3	102.9	113.8	124.6	123.7	122.8	117.1
87.5°	45.5	45.4	40.1	34.6	40.0	45.2	49.6	54.0	52.9	51.8	48.9
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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 CATALOG NUMBER: NAV-SB1D-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1076.0	1072.3	1076.0	1079.2	1082.3	1085.7	1089.0	1093.3	1097.6	1103.0	1108.2
5°	1007.9	1004.7	1007.9	1011.1	1014.3	1018.5	1022.7	1028.7	1034.6	1043.1	1051.6
7.5°	967.5	965.2	967.5	970.3	973.2	978.1	982.9	989.9	997.0	1007.1	1017.2
10°	956.7	955.7	956.7	959.2	961.7	966.3	970.8	978.8	986.7	998.8	1010.9
12.5°	974.3	973.9	974.3	976.3	978.5	983.5	988.6	998.8	1009.0	1024.4	1039.9
15°	1005.8	1005.6	1005.8	1008.6	1011.3	1018.3	1025.4	1041.0	1056.5	1078.4	1100.3
17.5°	1032.9	1032.4	1032.9	1036.4	1039.9	1050.4	1060.9	1083.7	1106.6	1135.6	1164.7
20°	1046.8	1045.5	1046.8	1051.1	1055.4	1069.0	1082.4	1110.4	1138.4	1171.6	1204.8
22.5°	1045.3	1043.2	1045.3	1050.0	1054.8	1069.0	1083.2	1112.0	1140.9	1172.6	1204.4
25°	1027.8	1025.1	1027.8	1032.2	1036.7	1048.9	1061.3	1086.8	1112.4	1138.5	1164.4
27.5°	997.6	997.0	997.6	999.7	1001.7	1010.0	1018.3	1038.2	1058.1	1076.6	1095.1
30°	956.9	957.6	956.9	956.9	956.9	961.1	965.3	979.7	993.9	1008.1	1022.1
32.5°	907.5	908.2	907.5	907.1	906.7	909.5	912.2	923.6	935.0	948.0	960.9
35°	855.2	854.7	855.2	856.1	857.0	861.1	865.3	875.9	886.3	895.5	904.8
37.5°	802.2	799.9	802.2	806.2	810.2	817.8	825.4	835.2	844.8	849.1	853.3
40°	751.7	747.3	751.7	759.2	766.7	777.8	788.9	797.1	805.3	804.3	803.3
42.5°	702.3	695.2	702.3	713.3	724.2	738.0	751.8	758.7	765.7	760.4	755.2
45°	658.2	649.8	658.2	671.0	683.8	699.6	715.3	721.6	727.9	720.4	712.9
47.5°	634.7	626.8	634.7	646.5	658.4	672.4	686.4	690.8	695.2	686.5	677.9
50°	624.8	617.3	624.8	635.8	646.8	658.0	669.2	669.4	669.7	658.7	647.6
52.5°	619.7	612.7	619.7	629.6	639.4	648.5	657.6	655.3	652.9	639.8	626.8
55°	613.6	607.3	613.6	622.2	630.8	638.8	646.8	643.5	640.2	626.4	612.4
57.5°	602.1	595.5	602.1	610.6	619.1	627.2	635.3	631.9	628.6	614.7	600.6
60°	586.0	579.1	586.0	594.7	603.5	611.4	619.3	615.6	612.0	598.0	583.9
62.5°	561.1	552.9	561.1	570.3	579.5	586.6	593.8	590.3	586.8	573.9	561.1
65°	527.8	520.7	527.8	536.7	545.6	552.5	559.3	555.8	552.2	540.9	529.5
67.5°	490.8	484.4	490.8	499.2	507.5	513.7	520.0	516.6	513.1	503.3	493.5
70°	451.8	444.5	451.8	459.8	467.8	472.9	478.1	474.7	471.3	462.5	453.7
72.5°	408.1	401.1	408.1	415.6	423.2	427.5	431.8	427.8	423.8	415.1	406.5
75°	359.8	353.0	359.8	366.1	372.5	374.6	376.7	372.5	368.4	360.5	352.6
77.5°	304.4	299.1	304.4	310.9	317.3	320.3	323.2	319.3	315.4	307.2	298.9
80°	243.0	233.0	243.0	251.7	260.3	261.6	262.8	257.7	252.6	246.3	240.0
82.5°	180.5	174.0	180.5	187.8	195.1	195.7	196.2	187.5	178.7	165.2	151.8
85°	111.4	105.6	111.4	117.1	122.8	123.7	124.6	113.8	102.9	90.3	77.7
87.5°	45.8	43.0	45.8	48.9	51.8	52.9	54.0	49.6	45.2	40.0	34.6
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):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1115.1	1122.0	1128.8	1135.7	1143.5	1151.3	1160.0	1168.7	1179.4	1189.1	1199.0
5°	1062.6	1073.7	1085.8	1098.0	1111.7	1125.4	1142.0	1158.4	1177.1	1196.2	1216.4
7.5°	1030.6	1044.2	1059.4	1074.7	1092.9	1111.0	1132.7	1154.7	1179.0	1204.9	1233.1
10°	1026.0	1041.2	1057.7	1074.1	1092.2	1110.4	1133.4	1156.4	1182.5	1214.6	1247.9
12.5°	1055.5	1071.2	1084.1	1097.1	1109.0	1121.0	1139.8	1158.7	1183.1	1216.7	1254.4
15°	1114.0	1127.6	1131.0	1134.3	1132.7	1131.1	1140.0	1149.0	1168.5	1205.8	1249.4
17.5°	1175.7	1186.6	1176.2	1165.6	1145.9	1126.2	1122.9	1119.6	1131.6	1175.5	1227.8
20°	1209.9	1214.9	1193.0	1171.1	1136.6	1102.4	1086.9	1071.5	1074.7	1125.8	1190.7
22.5°	1201.3	1198.2	1169.6	1141.0	1101.8	1062.6	1039.9	1017.0	1010.9	1069.0	1147.2
25°	1153.9	1143.5	1115.3	1087.2	1052.0	1016.7	990.5	964.1	947.4	1007.0	1098.6
27.5°	1083.4	1071.6	1049.1	1026.5	997.6	968.6	943.3	917.9	897.5	951.8	1054.1
30°	1012.6	1003.1	984.3	965.7	941.7	917.6	897.4	877.3	861.3	906.8	1017.0
32.5°	950.4	939.8	921.8	903.8	884.7	865.5	853.5	841.6	834.6	871.2	984.9
35°	892.1	879.3	861.6	843.8	829.2	814.6	811.3	808.0	811.0	841.5	953.5
37.5°	837.6	821.9	804.2	786.5	776.0	765.5	769.2	772.7	783.5	810.3	916.4
40°	785.2	767.1	750.0	732.9	725.3	717.7	725.9	734.1	750.7	774.9	872.2
42.5°	735.7	716.3	700.0	683.8	677.5	671.4	682.2	693.1	714.0	736.4	823.4
45°	692.6	672.4	657.0	641.6	636.3	631.2	641.8	652.3	672.5	695.2	771.5
47.5°	658.0	638.1	623.0	607.9	603.1	598.2	607.1	615.9	633.3	662.6	730.5
50°	629.8	611.9	597.7	583.4	575.8	568.2	576.0	583.9	604.1	642.5	703.3
52.5°	610.1	593.5	580.5	567.3	556.0	544.5	552.3	560.1	588.2	632.4	685.3
55°	597.9	583.3	569.3	555.2	539.0	522.8	535.0	547.3	589.8	630.9	672.3
57.5°	586.2	571.8	555.3	538.8	521.3	503.9	521.8	539.8	591.4	627.6	656.9
60°	569.3	554.6	535.7	516.7	501.4	486.1	509.3	532.6	586.4	610.4	633.3
62.5°	545.4	529.7	507.7	485.5	475.8	466.1	495.2	524.3	574.2	577.1	592.3
65°	514.6	499.6	475.9	452.2	448.5	444.7	475.7	506.7	544.7	544.4	551.6
67.5°	479.4	465.1	443.3	421.5	422.6	423.8	449.6	475.3	496.7	497.6	493.7
70°	441.4	429.2	409.9	390.7	394.8	398.9	417.2	435.5	442.5	442.5	423.9
72.5°	395.4	384.4	369.3	354.1	360.1	366.1	378.6	391.1	391.1	386.6	360.2
75°	342.6	332.5	321.3	310.1	315.8	321.5	331.3	340.9	342.6	322.2	292.4
77.5°	290.3	281.7	272.5	263.4	269.2	275.0	282.7	290.5	291.4	257.6	228.9
80°	232.7	225.5	217.9	210.2	215.1	220.1	226.5	233.0	233.2	192.8	168.5
82.5°	154.4	156.9	157.5	158.2	161.6	165.0	168.2	171.4	169.5	135.1	117.1
85°	84.8	91.7	95.1	98.3	102.2	106.1	109.5	112.9	110.4	84.8	71.6
87.5°	40.1	45.4	45.5	45.7	46.4	47.2	48.5	49.8	46.6	36.0	30.6
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):

	330°	335°	340°	345°	350°	355°	360°
0°	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0	1181.0
2.5°	1209.0	1219.4	1229.8	1240.1	1250.6	1260.3	1270.1
5°	1236.5	1258.1	1279.7	1301.1	1322.6	1344.2	1365.7
7.5°	1261.2	1293.1	1325.1	1357.9	1390.7	1426.2	1461.8
10°	1281.2	1320.1	1358.8	1402.2	1445.6	1490.5	1535.3
12.5°	1292.0	1337.8	1383.5	1432.6	1481.8	1531.1	1580.4
15°	1293.0	1345.7	1398.4	1451.7	1505.0	1556.5	1607.9
17.5°	1280.3	1341.5	1402.7	1460.8	1518.9	1571.1	1623.3
20°	1255.7	1329.9	1404.0	1467.9	1531.9	1586.1	1640.3
22.5°	1225.5	1315.7	1405.9	1477.5	1549.2	1604.6	1660.0
25°	1190.2	1301.6	1413.1	1495.0	1576.9	1631.1	1685.4
27.5°	1156.5	1292.2	1427.9	1522.1	1616.2	1668.1	1719.8
30°	1127.2	1287.8	1448.4	1557.4	1666.2	1716.3	1766.3
32.5°	1098.6	1282.4	1466.2	1594.1	1722.1	1771.6	1821.1
35°	1065.4	1272.1	1479.1	1636.0	1792.8	1840.3	1887.7
37.5°	1022.4	1254.6	1486.8	1682.8	1878.9	1939.4	1999.9
40°	969.3	1230.5	1491.7	1742.4	1993.2	2081.3	2169.4
42.5°	910.3	1205.5	1500.8	1820.3	2139.8	2267.0	2394.2
45°	847.8	1182.4	1517.0	1922.8	2328.7	2500.2	2671.8
47.5°	798.4	1163.3	1528.2	2032.1	2536.0	2777.4	3018.8
50°	763.9	1142.5	1520.9	2133.4	2745.9	3110.0	3473.8
52.5°	738.2	1107.2	1476.2	2199.2	2922.1	3459.2	3996.2
55°	713.7	1048.9	1384.1	2184.7	2985.3	3768.7	4552.2
57.5°	686.1	966.6	1246.9	2082.6	2918.4	3988.2	5058.0
60°	656.3	859.7	1063.0	1892.7	2722.3	4043.0	5363.6
62.5°	607.6	731.7	856.0	1635.9	2415.8	3812.1	5208.4
65°	558.7	616.7	674.7	1373.9	2073.1	3485.4	4897.8
67.5°	489.6	506.1	522.6	1117.1	1711.7	3096.6	4481.5
70°	405.3	400.6	395.9	879.7	1363.4	2672.4	3981.4
72.5°	333.7	319.5	305.3	672.5	1039.6	2212.6	3385.5
75°	262.8	250.0	237.1	488.1	739.0	1685.3	2631.6
77.5°	200.1	191.3	182.6	330.8	478.9	1179.6	1880.3
80°	144.1	140.5	136.8	213.1	289.4	759.9	1230.6
82.5°	99.1	98.4	97.8	131.1	164.4	439.8	715.3
85°	58.4	58.8	59.1	70.1	81.1	197.8	314.8
87.5°	25.3	25.6	25.9	29.0	32.2	64.8	97.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)