

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: P961587

Luminaire Tested: **NAV-SB2A-835-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961587
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-835-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8498.3 lumens
Efficiency: N/A
Efficacy: 148.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

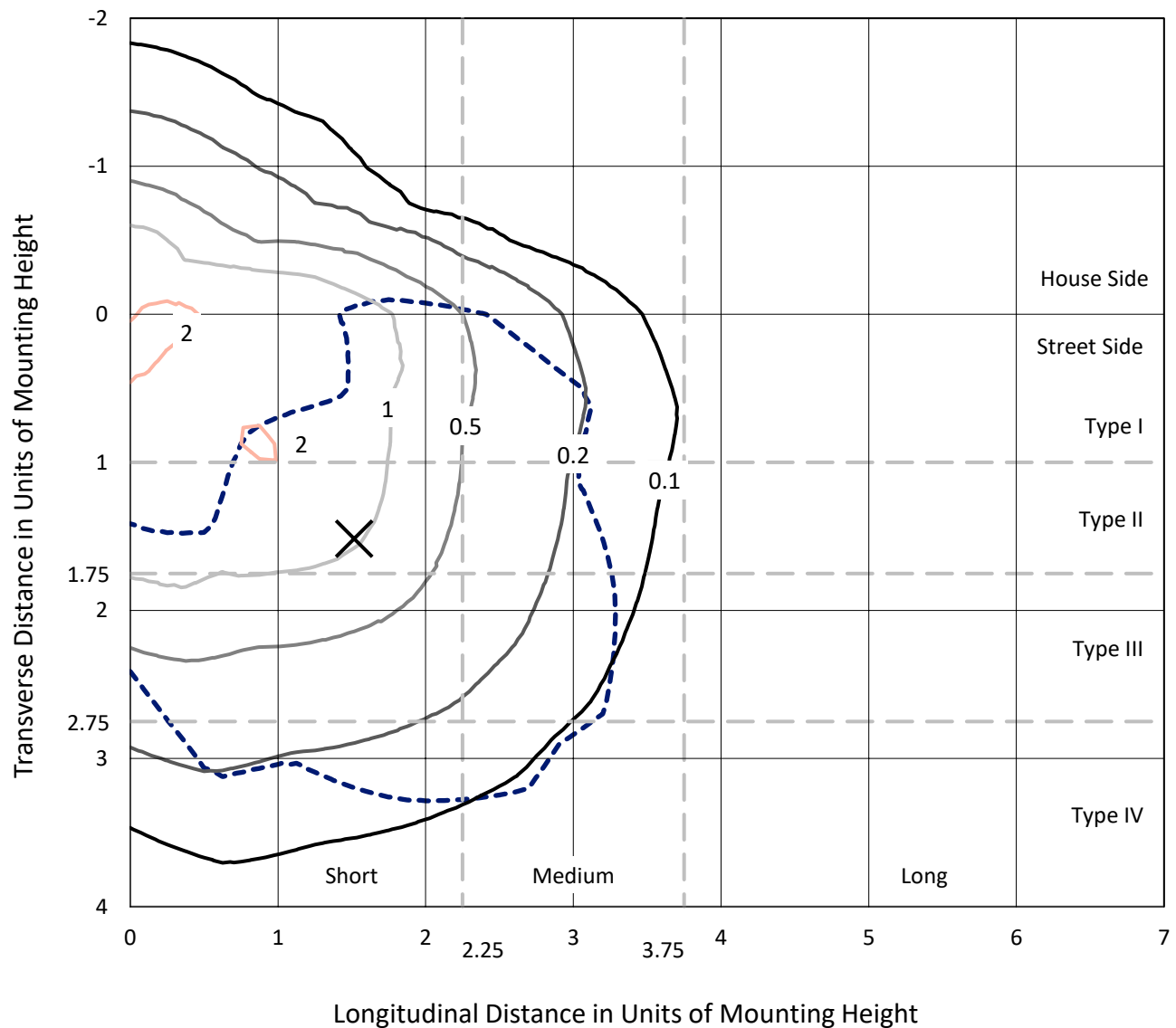
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

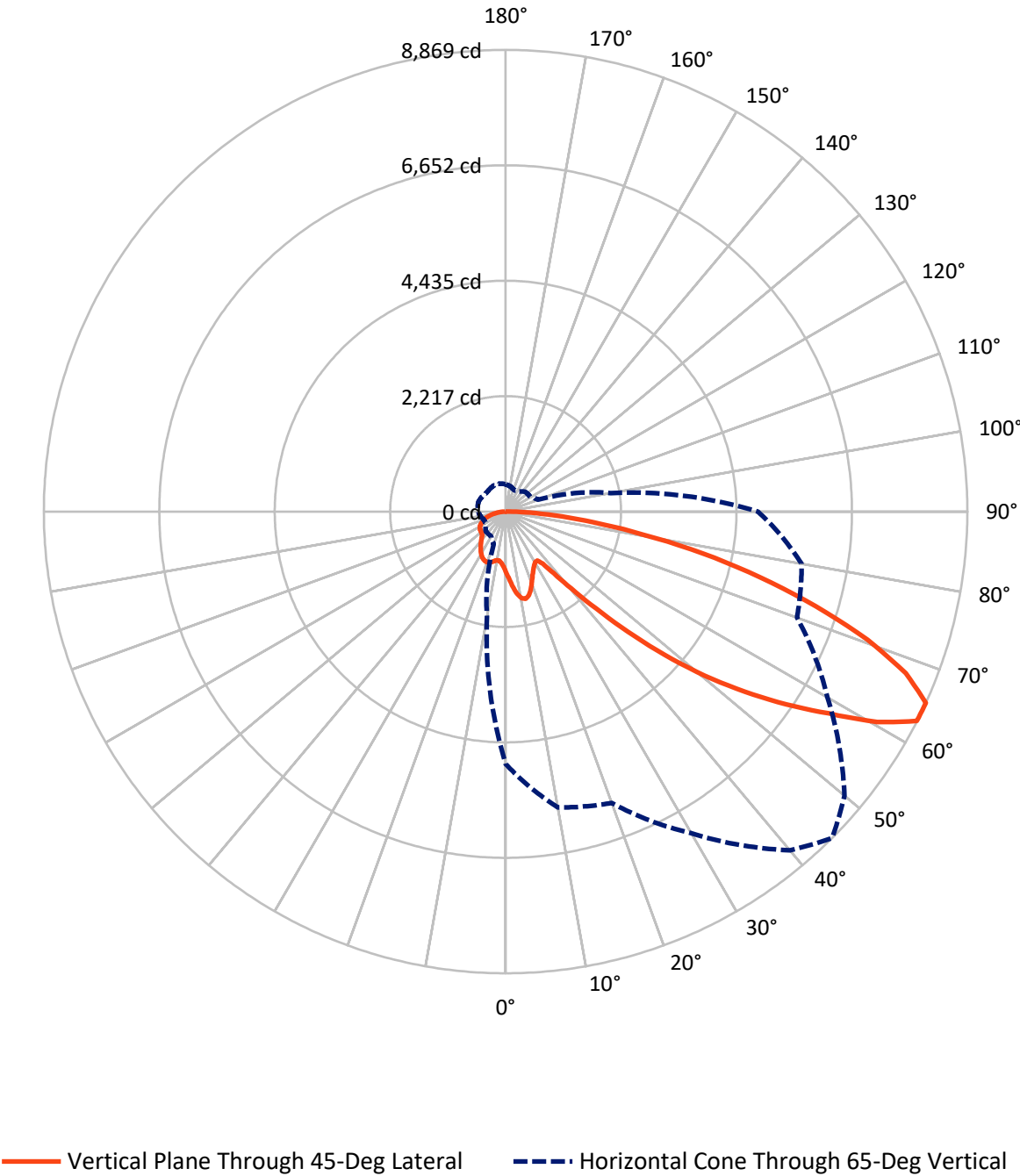
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2159.8	0.0	2159.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	6338.4	0.0	6338.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	8498.3	0.0	8498.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.9	1.4
10°-20°	363.9	4.3
20°-30°	562.1	6.6
30°-40°	712.3	8.4
40°-50°	1074.4	12.6
50°-60°	1735.8	20.4
60°-70°	2164.0	25.5
70°-80°	1419.0	16.7
80°-90°	350.8	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°	8498.3	100.0
0°-180°	8498.3	100.0

Coefficient of Utilization



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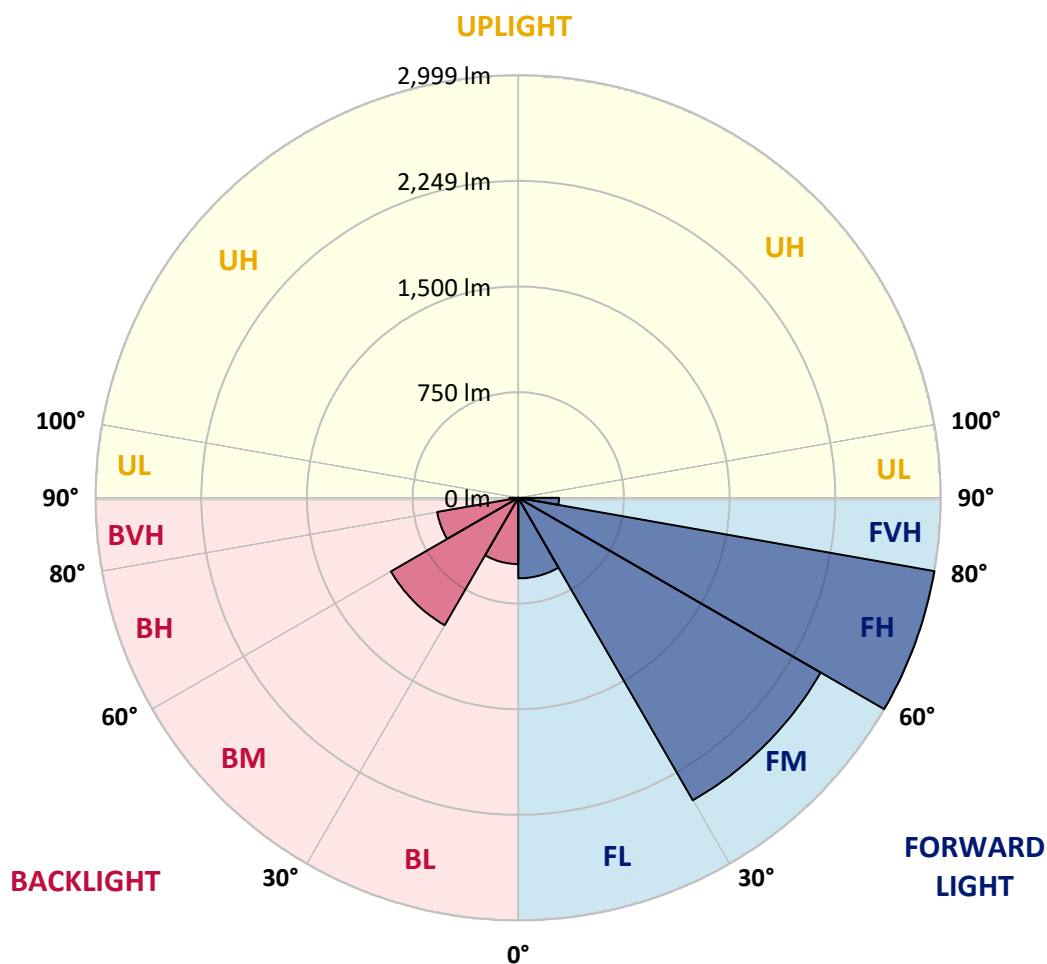
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.6	6.7			
FM	(30°-60°)	2478.8	29.2			
FH	(60°-80°)	2999.1	35.3			G2/5000
FVH	(80°-90°)	289.0	3.4			G3/500
BL	(0°-30°)	470.3	5.5	B1/500		
BM	(30°-60°)	1043.8	12.3	B2/2500		
BH	(60°-80°)	583.9	6.9	B2/1000		G2/1000
BVH	(80°-90°)	61.8	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°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1256.6	1261.5	1266.3	1273.0	1279.8	1283.8	1287.9	1289.9	1291.9	1291.0	1291.9
5°	1351.4	1368.0	1384.7	1401.2	1417.7	1426.7	1435.6	1441.0	1446.5	1450.7	1446.5
7.5°	1446.4	1473.4	1500.5	1524.9	1549.2	1563.8	1578.5	1586.5	1594.4	1598.2	1594.4
10°	1519.3	1551.2	1583.3	1611.8	1640.4	1657.7	1675.0	1682.6	1690.3	1693.2	1690.3
12.5°	1563.8	1598.6	1633.2	1659.1	1684.8	1697.4	1709.9	1714.1	1718.3	1718.8	1718.3
15°	1591.0	1620.9	1650.9	1667.1	1683.3	1683.8	1684.2	1679.7	1675.3	1669.9	1675.3
17.5°	1606.3	1626.5	1646.7	1647.0	1647.3	1629.1	1611.0	1594.3	1577.7	1565.9	1577.7
20°	1623.1	1630.1	1637.2	1615.9	1594.6	1554.5	1514.4	1485.2	1456.0	1438.1	1456.0
22.5°	1642.6	1633.3	1624.1	1579.9	1535.9	1476.9	1417.9	1381.4	1344.9	1325.1	1344.9
25°	1667.7	1638.6	1609.4	1542.4	1475.4	1403.7	1332.2	1293.8	1255.5	1236.8	1255.5
27.5°	1701.8	1649.6	1597.5	1508.8	1420.0	1340.7	1261.4	1223.5	1185.8	1168.1	1185.8
30°	1747.7	1670.0	1592.3	1483.1	1373.9	1291.2	1208.5	1173.5	1138.5	1122.0	1138.5
32.5°	1802.0	1695.6	1589.2	1465.6	1342.0	1264.3	1186.6	1159.2	1131.6	1119.7	1131.6
35°	1867.9	1737.7	1607.5	1478.7	1349.9	1296.0	1242.0	1235.6	1229.2	1228.3	1229.2
37.5°	1978.9	1825.7	1672.5	1555.4	1438.5	1434.9	1431.4	1460.7	1490.1	1505.3	1490.1
40°	2146.6	1980.0	1813.4	1726.4	1639.4	1700.8	1762.2	1833.5	1904.8	1940.3	1904.8
42.5°	2369.0	2203.8	2038.4	1988.3	1938.2	2072.1	2206.1	2335.9	2465.5	2541.7	2465.5
45°	2643.7	2495.2	2346.6	2324.6	2302.5	2517.1	2731.8	2944.8	3158.0	3287.4	3158.0
47.5°	2987.2	2842.7	2698.2	2693.8	2689.3	2998.9	3308.5	3620.5	3932.4	4115.6	3932.4
50°	3437.3	3259.0	3080.5	3081.4	3082.1	3481.2	3880.2	4292.1	4703.8	4952.8	4703.8
52.5°	3954.1	3738.2	3522.1	3500.3	3478.4	3955.2	4431.8	4941.3	5450.7	5749.2	5450.7
55°	4504.4	4291.0	4077.4	3992.4	3907.2	4437.7	4968.3	5575.7	6183.1	6538.0	6183.1
57.5°	5004.9	4888.6	4772.3	4601.5	4430.8	4966.5	5502.2	6190.2	6878.2	7318.2	6878.2
60°	5307.2	5487.8	5668.5	5456.3	5244.2	5751.2	6258.1	6994.7	7731.4	8207.0	7731.4
62.5°	5153.7	5647.0	6140.4	6116.4	6092.5	6556.9	7021.4	7722.1	8422.9	8862.6	8422.9
65°	4846.3	5309.3	5772.3	5863.9	5955.5	6545.6	7135.9	7815.5	8495.0	8869.3	8495.0
67.5°	4434.5	4874.8	5315.1	5358.1	5401.0	6015.9	6630.9	7313.4	7995.8	8289.1	7995.8
70°	3939.6	4418.6	4897.6	4916.7	4936.0	5485.9	6035.8	6623.1	7210.4	7373.4	7210.4
72.5°	3349.9	3899.6	4449.2	4463.1	4476.8	4907.1	5337.4	5777.2	6217.0	6233.5	6217.0
75°	2604.0	3172.9	3741.8	3792.8	3843.9	4178.6	4513.4	4823.0	5132.6	5049.7	5132.6
77.5°	1860.5	2391.5	2922.6	2995.7	3068.7	3323.3	3577.8	3797.3	4017.0	3874.4	4017.0
80°	1217.7	1664.5	2111.2	2202.0	2292.8	2485.1	2677.2	2792.5	2907.8	2678.4	2907.8
82.5°	707.9	1013.2	1318.8	1420.2	1521.7	1654.0	1786.3	1834.4	1882.5	1702.2	1882.5
85°	311.4	473.6	635.6	721.9	808.3	917.0	1025.6	1053.0	1080.2	935.8	1080.2
87.5°	96.5	150.9	205.4	253.6	301.7	356.1	410.4	412.8	415.0	348.4	415.0
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°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1289.9	1287.9	1283.8	1279.8	1273.0	1266.3	1261.5	1256.6	1247.0	1237.4	1227.1
5°	1441.0	1435.6	1426.7	1417.7	1401.2	1384.7	1368.0	1351.4	1330.0	1308.7	1287.5
7.5°	1586.5	1578.5	1563.8	1549.2	1524.9	1500.5	1473.4	1446.4	1411.2	1376.2	1343.7
10°	1682.6	1675.0	1657.7	1640.4	1611.8	1583.3	1551.2	1519.3	1474.8	1430.4	1387.4
12.5°	1714.1	1709.9	1697.4	1684.8	1659.1	1633.2	1598.6	1563.8	1515.1	1466.3	1417.7
15°	1679.7	1684.2	1683.8	1683.3	1667.1	1650.9	1620.9	1591.0	1540.1	1489.2	1436.4
17.5°	1594.3	1611.0	1629.1	1647.3	1647.0	1646.7	1626.5	1606.3	1554.6	1503.1	1445.5
20°	1485.2	1514.4	1554.5	1594.6	1615.9	1637.2	1630.1	1623.1	1569.5	1515.8	1452.5
22.5°	1381.4	1417.9	1476.9	1535.9	1579.9	1624.1	1633.3	1642.6	1587.7	1532.9	1462.1
25°	1293.8	1332.2	1403.7	1475.4	1542.4	1609.4	1638.6	1667.7	1614.0	1560.3	1479.3
27.5°	1223.5	1261.4	1340.7	1420.0	1508.8	1597.5	1649.6	1701.8	1650.6	1599.3	1506.1
30°	1173.5	1208.5	1291.2	1373.9	1483.1	1592.3	1670.0	1747.7	1698.2	1648.7	1541.0
32.5°	1159.2	1186.6	1264.3	1342.0	1465.6	1589.2	1695.6	1802.0	1753.0	1704.0	1577.4
35°	1235.6	1242.0	1296.0	1349.9	1478.7	1607.5	1737.7	1867.9	1821.0	1774.1	1618.8
37.5°	1460.7	1431.4	1434.9	1438.5	1555.4	1672.5	1825.7	1978.9	1919.1	1859.2	1665.2
40°	1833.5	1762.2	1700.8	1639.4	1726.4	1813.4	1980.0	2146.6	2059.4	1972.2	1724.2
42.5°	2335.9	2206.1	2072.1	1938.2	1988.3	2038.4	2203.8	2369.0	2243.2	2117.3	1801.2
45°	2944.8	2731.8	2517.1	2302.5	2324.6	2346.6	2495.2	2643.7	2473.9	2304.2	1902.6
47.5°	3620.5	3308.5	2998.9	2689.3	2693.8	2698.2	2842.7	2987.2	2748.3	2509.4	2010.7
50°	4292.1	3880.2	3481.2	3082.1	3081.4	3080.5	3259.0	3437.3	3077.3	2717.1	2111.0
52.5°	4941.3	4431.8	3955.2	3478.4	3500.3	3522.1	3738.2	3954.1	3422.8	2891.4	2176.1
55°	5575.7	4968.3	4437.7	3907.2	3992.4	4077.4	4291.0	4504.4	3729.2	2953.9	2161.7
57.5°	6190.2	5502.2	4966.5	4430.8	4601.5	4772.3	4888.6	5004.9	3946.2	2887.7	2060.8
60°	6994.7	6258.1	5751.2	5244.2	5456.3	5668.5	5487.8	5307.2	4000.6	2693.8	1872.9
62.5°	7722.1	7021.4	6556.9	6092.5	6116.4	6140.4	5647.0	5153.7	3772.1	2390.4	1618.7
65°	7815.5	7135.9	6545.6	5955.5	5863.9	5772.3	5309.3	4846.3	3448.8	2051.3	1359.5
67.5°	7313.4	6630.9	6015.9	5401.0	5358.1	5315.1	4874.8	4434.5	3064.1	1693.8	1105.5
70°	6623.1	6035.8	5485.9	4936.0	4916.7	4897.6	4418.6	3939.6	2644.3	1349.1	870.4
72.5°	5777.2	5337.4	4907.1	4476.8	4463.1	4449.2	3899.6	3349.9	2189.3	1028.7	665.4
75°	4823.0	4513.4	4178.6	3843.9	3792.8	3741.8	3172.9	2604.0	1667.7	731.2	483.0
77.5°	3797.3	3577.8	3323.3	3068.7	2995.7	2922.6	2391.5	1860.5	1167.2	473.9	327.3
80°	2792.5	2677.2	2485.1	2292.8	2202.0	2111.2	1664.5	1217.7	752.0	286.3	210.8
82.5°	1834.4	1786.3	1654.0	1521.7	1420.2	1318.8	1013.2	707.9	435.2	162.7	129.7
85°	1053.0	1025.6	917.0	808.3	721.9	635.6	473.6	311.4	195.8	80.2	69.3
87.5°	412.8	410.4	356.1	301.7	253.6	205.4	150.9	96.5	64.2	31.9	28.7
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°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1216.9	1206.6	1196.3	1186.4	1176.6	1167.1	1156.4	1147.8	1139.2	1131.5	1123.7
5°	1266.3	1244.9	1223.5	1203.6	1183.6	1164.8	1146.2	1130.0	1113.7	1100.0	1086.4
7.5°	1311.2	1279.6	1247.9	1220.2	1192.3	1166.6	1142.5	1120.8	1099.3	1081.4	1063.4
10°	1344.6	1306.2	1267.8	1234.8	1201.8	1170.1	1144.3	1121.5	1098.7	1080.8	1062.8
12.5°	1369.0	1323.8	1278.5	1241.2	1204.0	1170.7	1146.6	1127.9	1109.3	1097.4	1085.6
15°	1383.7	1331.6	1279.4	1236.3	1193.2	1156.3	1136.9	1128.0	1119.2	1120.7	1122.4
17.5°	1388.0	1327.4	1266.9	1215.0	1163.1	1119.7	1107.8	1111.1	1114.3	1133.9	1153.4
20°	1389.3	1315.9	1242.6	1178.2	1114.0	1063.4	1060.3	1075.5	1090.8	1124.7	1158.8
22.5°	1391.1	1301.9	1212.6	1135.2	1057.7	1000.2	1006.3	1028.9	1051.4	1090.2	1129.0
25°	1398.2	1287.9	1177.8	1087.0	996.4	937.5	954.0	980.0	1006.0	1040.9	1075.7
27.5°	1413.0	1278.7	1144.4	1043.0	941.8	888.1	908.3	933.4	958.5	987.2	1015.8
30°	1433.3	1274.3	1115.3	1006.3	897.3	852.2	868.1	888.0	907.9	931.7	955.5
32.5°	1450.7	1268.9	1087.0	974.6	862.1	825.7	832.8	844.6	856.4	875.4	894.4
35°	1463.6	1258.8	1054.1	943.4	832.7	802.5	799.5	802.8	806.1	820.5	835.0
37.5°	1471.2	1241.5	1011.8	906.7	801.8	775.3	764.6	761.1	757.5	767.8	778.3
40°	1476.0	1217.6	959.2	862.9	766.8	742.8	726.4	718.3	710.2	717.7	725.2
42.5°	1485.1	1192.9	900.8	814.7	728.6	706.5	685.8	675.1	664.3	670.5	676.6
45°	1501.1	1169.9	838.9	763.4	687.9	665.4	645.5	635.0	624.5	629.7	634.9
47.5°	1512.1	1151.1	790.1	722.8	655.6	626.7	609.5	600.8	591.9	596.8	601.6
50°	1504.9	1130.5	755.9	695.9	635.8	597.8	577.8	570.0	562.2	569.8	577.4
52.5°	1460.7	1095.6	730.5	678.1	625.8	582.1	554.1	546.4	538.7	550.1	561.4
55°	1369.5	1037.8	706.2	665.2	624.3	583.6	541.6	529.4	517.2	533.3	549.4
57.5°	1233.8	956.4	679.0	650.0	621.0	585.2	534.0	516.3	498.6	515.9	533.2
60°	1052.0	850.6	649.4	626.7	603.9	580.3	527.0	504.0	480.9	496.1	511.3
62.5°	847.0	724.1	601.3	586.1	571.0	568.2	518.8	489.9	461.2	470.9	480.5
65°	667.6	610.3	552.9	545.8	538.6	539.0	501.3	470.8	440.1	443.8	447.5
67.5°	517.1	500.8	484.5	488.5	492.4	491.5	470.3	444.8	419.3	418.2	417.1
70°	391.7	396.4	401.0	419.4	437.9	437.9	430.9	412.8	394.7	390.6	386.6
72.5°	302.2	316.2	330.3	356.5	382.6	386.9	387.0	374.6	362.2	356.3	350.4
75°	234.6	247.3	260.0	289.5	318.8	339.0	337.3	327.8	318.2	312.5	306.8
77.5°	180.6	189.3	197.9	226.4	254.9	288.3	287.4	279.7	272.1	266.4	260.7
80°	135.4	139.0	142.6	166.8	190.8	230.7	230.6	224.2	217.7	212.9	208.1
82.5°	96.8	97.4	98.1	115.8	133.7	167.7	169.6	166.5	163.3	159.9	156.5
85°	58.5	58.2	57.8	70.8	83.8	109.2	111.6	108.3	105.0	101.2	97.3
87.5°	25.6	25.3	25.0	30.3	35.7	46.2	49.3	48.0	46.6	45.9	45.2
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: P961587

CATALOG NUMBER: NAV-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1116.9	1110.2	1103.4	1096.6	1091.3	1086.1	1081.8	1077.6	1074.2	1070.9	1067.8
5°	1074.4	1062.4	1051.5	1040.6	1032.2	1023.8	1017.8	1012.0	1007.8	1003.7	1000.5
7.5°	1048.4	1033.2	1019.8	1006.4	996.5	986.6	979.5	972.5	967.7	963.0	960.1
10°	1046.5	1030.2	1015.3	1000.2	988.3	976.3	968.5	960.6	956.1	951.5	949.1
12.5°	1072.7	1060.0	1044.4	1028.9	1013.6	998.5	988.3	978.3	973.1	968.1	966.1
15°	1119.1	1115.7	1102.3	1088.8	1067.0	1045.4	1030.0	1014.6	1007.7	1000.6	997.9
17.5°	1163.8	1174.2	1163.3	1152.4	1123.7	1094.9	1072.4	1049.8	1039.4	1028.9	1025.5
20°	1180.5	1202.2	1197.2	1192.2	1159.3	1126.5	1098.7	1071.0	1057.7	1044.4	1040.1
22.5°	1157.3	1185.6	1188.7	1191.7	1160.3	1128.9	1100.3	1071.8	1057.8	1043.7	1039.0
25°	1103.6	1131.5	1141.8	1152.2	1126.5	1100.7	1075.4	1050.1	1037.9	1025.7	1021.3
27.5°	1038.1	1060.5	1071.9	1083.6	1065.3	1046.9	1027.3	1007.6	999.5	991.3	989.2
30°	974.1	992.6	1002.0	1011.4	997.4	983.5	969.4	955.2	951.1	946.8	946.8
32.5°	912.1	930.0	940.3	950.9	938.1	925.2	913.9	902.7	900.0	897.2	897.6
35°	852.5	870.1	882.7	895.2	886.1	877.0	866.6	856.3	852.1	848.0	847.1
37.5°	795.8	813.3	828.8	844.4	840.2	836.0	826.4	816.8	809.2	801.7	797.7
40°	742.1	759.1	776.9	794.8	795.8	796.8	788.7	780.6	769.6	758.6	751.2
42.5°	692.6	708.7	728.1	747.3	752.5	757.6	750.7	743.9	730.2	716.6	705.8
45°	650.2	665.3	685.4	705.4	712.8	720.2	714.0	707.9	692.2	676.6	663.9
47.5°	616.5	631.4	651.1	670.9	679.4	687.9	683.6	679.3	665.3	651.5	639.7
50°	591.4	605.5	623.1	640.8	651.7	662.7	662.5	662.3	651.1	640.0	629.1
52.5°	574.3	587.2	603.6	620.1	633.1	646.1	648.4	650.8	641.6	632.6	622.9
55°	563.3	577.2	591.6	606.1	619.7	633.6	636.7	640.0	632.1	624.2	615.7
57.5°	549.5	565.8	580.0	594.4	608.2	622.1	625.4	628.6	620.6	612.6	604.2
60°	530.0	548.8	563.2	577.8	591.7	605.6	609.2	612.7	605.0	597.2	588.6
62.5°	502.4	524.2	539.7	555.1	567.8	580.7	584.0	587.5	580.5	573.5	564.3
65°	470.9	494.4	509.2	524.0	535.2	546.4	549.9	553.4	546.6	539.9	531.1
67.5°	438.6	460.3	474.4	488.3	498.0	507.7	511.2	514.6	508.3	502.1	493.8
70°	405.6	424.7	436.8	448.8	457.7	466.4	469.7	473.0	467.9	462.9	455.0
72.5°	365.4	380.4	391.2	402.2	410.8	419.3	423.3	427.2	423.0	418.8	411.3
75°	318.0	329.0	339.0	348.9	356.7	364.5	368.6	372.7	370.6	368.6	362.2
77.5°	269.7	278.7	287.2	295.7	303.9	312.1	316.0	319.8	316.9	314.0	307.6
80°	215.6	223.0	230.2	237.4	243.6	249.9	255.0	260.0	258.8	257.6	249.1
82.5°	155.9	155.3	152.7	150.3	163.5	176.8	185.4	194.1	193.6	193.0	185.8
85°	94.1	90.8	83.8	76.9	89.3	101.8	112.5	123.3	122.4	121.6	115.8
87.5°	45.1	44.9	39.7	34.3	39.5	44.8	49.1	53.4	52.4	51.2	48.4
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: P961587

CATALOG NUMBER: NAV-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1064.8	1061.0	1064.8	1067.8	1070.9	1074.2	1077.6	1081.8	1086.1	1091.3	1096.6
5°	997.3	994.1	997.3	1000.5	1003.7	1007.8	1012.0	1017.8	1023.8	1032.2	1040.6
7.5°	957.2	955.1	957.2	960.1	963.0	967.7	972.5	979.5	986.6	996.5	1006.4
10°	946.7	945.8	946.7	949.1	951.5	956.1	960.6	968.5	976.3	988.3	1000.2
12.5°	964.0	963.7	964.0	966.1	968.1	973.1	978.3	988.3	998.5	1013.6	1028.9
15°	995.3	995.1	995.3	997.9	1000.6	1007.7	1014.6	1030.0	1045.4	1067.0	1088.8
17.5°	1022.0	1021.5	1022.0	1025.5	1028.9	1039.4	1049.8	1072.4	1094.9	1123.7	1152.4
20°	1035.9	1034.5	1035.9	1040.1	1044.4	1057.7	1071.0	1098.7	1126.5	1159.3	1192.2
22.5°	1034.3	1032.3	1034.3	1039.0	1043.7	1057.8	1071.8	1100.3	1128.9	1160.3	1191.7
25°	1016.9	1014.3	1016.9	1021.3	1025.7	1037.9	1050.1	1075.4	1100.7	1126.5	1152.2
27.5°	987.2	986.6	987.2	989.2	991.3	999.5	1007.6	1027.3	1046.9	1065.3	1083.6
30°	946.8	947.5	946.8	946.8	946.8	951.1	955.2	969.4	983.5	997.4	1011.4
32.5°	898.0	898.6	898.0	897.6	897.2	900.0	902.7	913.9	925.2	938.1	950.9
35°	846.1	845.7	846.1	847.1	848.0	852.1	856.3	866.6	877.0	886.1	895.2
37.5°	793.7	791.5	793.7	797.7	801.7	809.2	816.8	826.4	836.0	840.2	844.4
40°	743.8	739.4	743.8	751.2	758.6	769.6	780.6	788.7	796.8	795.8	794.8
42.5°	694.9	687.9	694.9	705.8	716.6	730.2	743.9	750.7	757.6	752.5	747.3
45°	651.2	643.1	651.2	663.9	676.6	692.2	707.9	714.0	720.2	712.8	705.4
47.5°	628.0	620.1	628.0	639.7	651.5	665.3	679.3	683.6	687.9	679.4	670.9
50°	618.3	610.8	618.3	629.1	640.0	651.1	662.3	662.5	662.7	651.7	640.8
52.5°	613.3	606.3	613.3	622.9	632.6	641.6	650.8	648.4	646.1	633.1	620.1
55°	607.2	600.9	607.2	615.7	624.2	632.1	640.0	636.7	633.6	619.7	606.1
57.5°	595.7	589.3	595.7	604.2	612.6	620.6	628.6	625.4	622.1	608.2	594.4
60°	579.8	573.1	579.8	588.6	597.2	605.0	612.7	609.2	605.6	591.7	577.8
62.5°	555.1	547.0	555.1	564.3	573.5	580.5	587.5	584.0	580.7	567.8	555.1
65°	522.2	515.3	522.2	531.1	539.9	546.6	553.4	549.9	546.4	535.2	524.0
67.5°	485.6	479.4	485.6	493.8	502.1	508.3	514.6	511.2	507.7	498.0	488.3
70°	447.1	439.9	447.1	455.0	462.9	467.9	473.0	469.7	466.4	457.7	448.8
72.5°	403.8	396.9	403.8	411.3	418.8	423.0	427.2	423.3	419.3	410.8	402.2
75°	356.0	349.3	356.0	362.2	368.6	370.6	372.7	368.6	364.5	356.7	348.9
77.5°	301.2	295.9	301.2	307.6	314.0	316.9	319.8	316.0	312.1	303.9	295.7
80°	240.5	230.5	240.5	249.1	257.6	258.8	260.0	255.0	249.9	243.6	237.4
82.5°	178.6	172.2	178.6	185.8	193.0	193.6	194.1	185.4	176.8	163.5	150.3
85°	110.2	104.4	110.2	115.8	121.6	122.4	123.3	112.5	101.8	89.3	76.9
87.5°	45.4	42.6	45.4	48.4	51.2	52.4	53.4	49.1	44.8	39.5	34.3
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-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1103.4	1110.2	1116.9	1123.7	1131.5	1139.2	1147.8	1156.4	1167.1	1176.6	1186.4
5°	1051.5	1062.4	1074.4	1086.4	1100.0	1113.7	1130.0	1146.2	1164.8	1183.6	1203.6
7.5°	1019.8	1033.2	1048.4	1063.4	1081.4	1099.3	1120.8	1142.5	1166.6	1192.3	1220.2
10°	1015.3	1030.2	1046.5	1062.8	1080.8	1098.7	1121.5	1144.3	1170.1	1201.8	1234.8
12.5°	1044.4	1060.0	1072.7	1085.6	1097.4	1109.3	1127.9	1146.6	1170.7	1204.0	1241.2
15°	1102.3	1115.7	1119.1	1122.4	1120.7	1119.2	1128.0	1136.9	1156.3	1193.2	1236.3
17.5°	1163.3	1174.2	1163.8	1153.4	1133.9	1114.3	1111.1	1107.8	1119.7	1163.1	1215.0
20°	1197.2	1202.2	1180.5	1158.8	1124.7	1090.8	1075.5	1060.3	1063.4	1114.0	1178.2
22.5°	1188.7	1185.6	1157.3	1129.0	1090.2	1051.4	1028.9	1006.3	1000.2	1057.7	1135.2
25°	1141.8	1131.5	1103.6	1075.7	1040.9	1006.0	980.0	954.0	937.5	996.4	1087.0
27.5°	1071.9	1060.5	1038.1	1015.8	987.2	958.5	933.4	908.3	888.1	941.8	1043.0
30°	1002.0	992.6	974.1	955.5	931.7	907.9	888.0	868.1	852.2	897.3	1006.3
32.5°	940.3	930.0	912.1	894.4	875.4	856.4	844.6	832.8	825.7	862.1	974.6
35°	882.7	870.1	852.5	835.0	820.5	806.1	802.8	799.5	802.5	832.7	943.4
37.5°	828.8	813.3	795.8	778.3	767.8	757.5	761.1	764.6	775.3	801.8	906.7
40°	776.9	759.1	742.1	725.2	717.7	710.2	718.3	726.4	742.8	766.8	862.9
42.5°	728.1	708.7	692.6	676.6	670.5	664.3	675.1	685.8	706.5	728.6	814.7
45°	685.4	665.3	650.2	634.9	629.7	624.5	635.0	645.5	665.4	687.9	763.4
47.5°	651.1	631.4	616.5	601.6	596.8	591.9	600.8	609.5	626.7	655.6	722.8
50°	623.1	605.5	591.4	577.4	569.8	562.2	570.0	577.8	597.8	635.8	695.9
52.5°	603.6	587.2	574.3	561.4	550.1	538.7	546.4	554.1	582.1	625.8	678.1
55°	591.6	577.2	563.3	549.4	533.3	517.2	529.4	541.6	583.6	624.3	665.2
57.5°	580.0	565.8	549.5	533.2	515.9	498.6	516.3	534.0	585.2	621.0	650.0
60°	563.2	548.8	530.0	511.3	496.1	480.9	504.0	527.0	580.3	603.9	626.7
62.5°	539.7	524.2	502.4	480.5	470.9	461.2	489.9	518.8	568.2	571.0	586.1
65°	509.2	494.4	470.9	447.5	443.8	440.1	470.8	501.3	539.0	538.6	545.8
67.5°	474.4	460.3	438.6	417.1	418.2	419.3	444.8	470.3	491.5	492.4	488.5
70°	436.8	424.7	405.6	386.6	390.6	394.7	412.8	430.9	437.9	437.9	419.4
72.5°	391.2	380.4	365.4	350.4	356.3	362.2	374.6	387.0	386.9	382.6	356.5
75°	339.0	329.0	318.0	306.8	312.5	318.2	327.8	337.3	339.0	318.8	289.5
77.5°	287.2	278.7	269.7	260.7	266.4	272.1	279.7	287.4	288.3	254.9	226.4
80°	230.2	223.0	215.6	208.1	212.9	217.7	224.2	230.6	230.7	190.8	166.8
82.5°	152.7	155.3	155.9	156.5	159.9	163.3	166.5	169.6	167.7	133.7	115.8
85°	83.8	90.8	94.1	97.3	101.2	105.0	108.3	111.6	109.2	83.8	70.8
87.5°	39.7	44.9	45.1	45.2	45.9	46.6	48.0	49.3	46.2	35.7	30.3
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: P961587

CATALOG NUMBER: NAV-SB2A-835-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6	1168.6
2.5°	1196.3	1206.6	1216.9	1227.1	1237.4	1247.0	1256.6
5°	1223.5	1244.9	1266.3	1287.5	1308.7	1330.0	1351.4
7.5°	1247.9	1279.6	1311.2	1343.7	1376.2	1411.2	1446.4
10°	1267.8	1306.2	1344.6	1387.4	1430.4	1474.8	1519.3
12.5°	1278.5	1323.8	1369.0	1417.7	1466.3	1515.1	1563.8
15°	1279.4	1331.6	1383.7	1436.4	1489.2	1540.1	1591.0
17.5°	1266.9	1327.4	1388.0	1445.5	1503.1	1554.6	1606.3
20°	1242.6	1315.9	1389.3	1452.5	1515.8	1569.5	1623.1
22.5°	1212.6	1301.9	1391.1	1462.1	1532.9	1587.7	1642.6
25°	1177.8	1287.9	1398.2	1479.3	1560.3	1614.0	1667.7
27.5°	1144.4	1278.7	1413.0	1506.1	1599.3	1650.6	1701.8
30°	1115.3	1274.3	1433.3	1541.0	1648.7	1698.2	1747.7
32.5°	1087.0	1268.9	1450.7	1577.4	1704.0	1753.0	1802.0
35°	1054.1	1258.8	1463.6	1618.8	1774.1	1821.0	1867.9
37.5°	1011.8	1241.5	1471.2	1665.2	1859.2	1919.1	1978.9
40°	959.2	1217.6	1476.0	1724.2	1972.2	2059.4	2146.6
42.5°	900.8	1192.9	1485.1	1801.2	2117.3	2243.2	2369.0
45°	838.9	1169.9	1501.1	1902.6	2304.2	2473.9	2643.7
47.5°	790.1	1151.1	1512.1	2010.7	2509.4	2748.3	2987.2
50°	755.9	1130.5	1504.9	2111.0	2717.1	3077.3	3437.3
52.5°	730.5	1095.6	1460.7	2176.1	2891.4	3422.8	3954.1
55°	706.2	1037.8	1369.5	2161.7	2953.9	3729.2	4504.4
57.5°	679.0	956.4	1233.8	2060.8	2887.7	3946.2	5004.9
60°	649.4	850.6	1052.0	1872.9	2693.8	4000.6	5307.2
62.5°	601.3	724.1	847.0	1618.7	2390.4	3772.1	5153.7
65°	552.9	610.3	667.6	1359.5	2051.3	3448.8	4846.3
67.5°	484.5	500.8	517.1	1105.5	1693.8	3064.1	4434.5
70°	401.0	396.4	391.7	870.4	1349.1	2644.3	3939.6
72.5°	330.3	316.2	302.2	665.4	1028.7	2189.3	3349.9
75°	260.0	247.3	234.6	483.0	731.2	1667.7	2604.0
77.5°	197.9	189.3	180.6	327.3	473.9	1167.2	1860.5
80°	142.6	139.0	135.4	210.8	286.3	752.0	1217.7
82.5°	98.1	97.4	96.8	129.7	162.7	435.2	707.9
85°	57.8	58.2	58.5	69.3	80.2	195.8	311.4
87.5°	25.0	25.3	25.6	28.7	31.9	64.2	96.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)