

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: P962052

Luminaire Tested: **NAV-SB2B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P962052
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-827-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10000.9 lumens
Efficiency: N/A
Efficacy: 135.3 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): 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



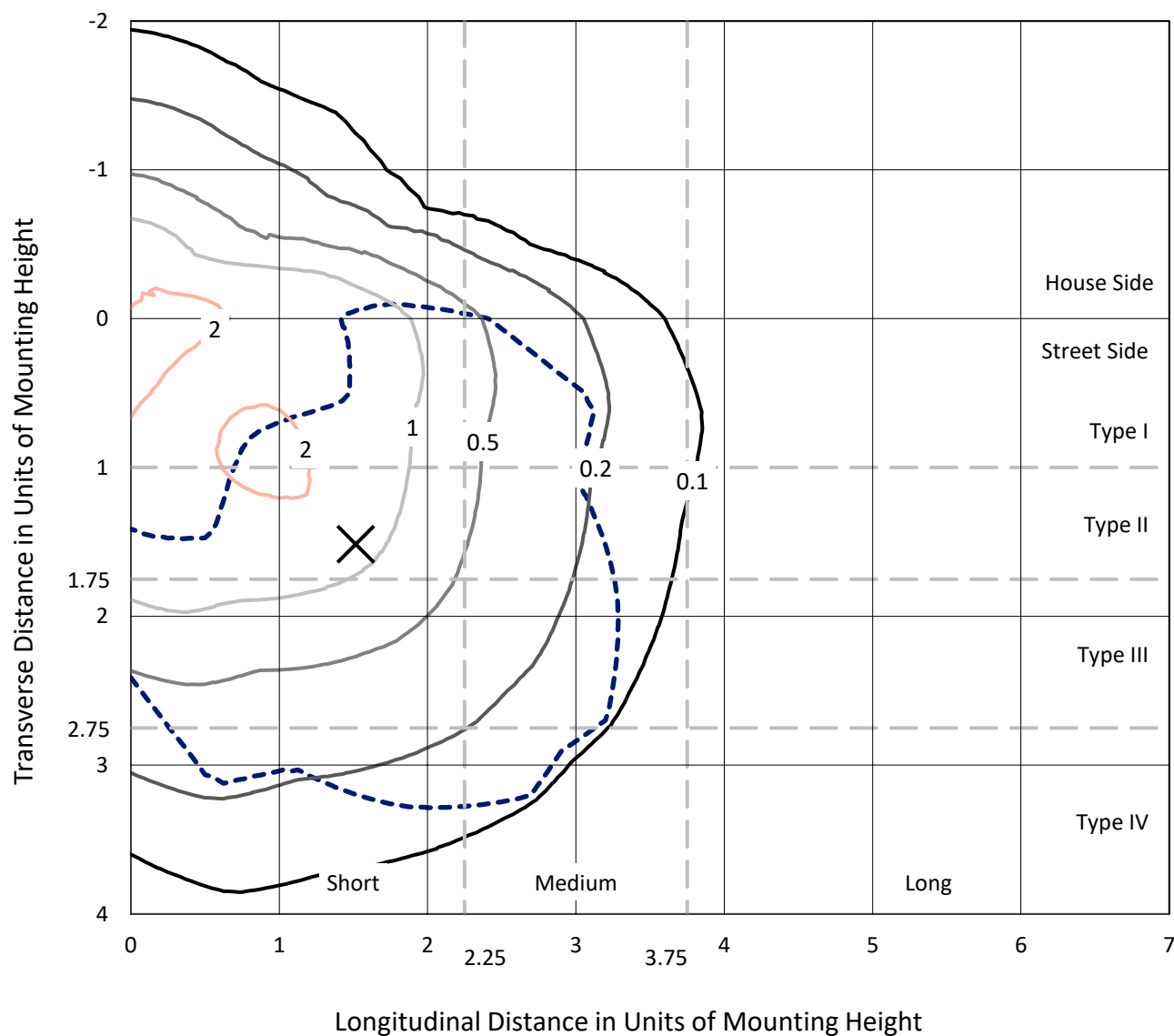
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

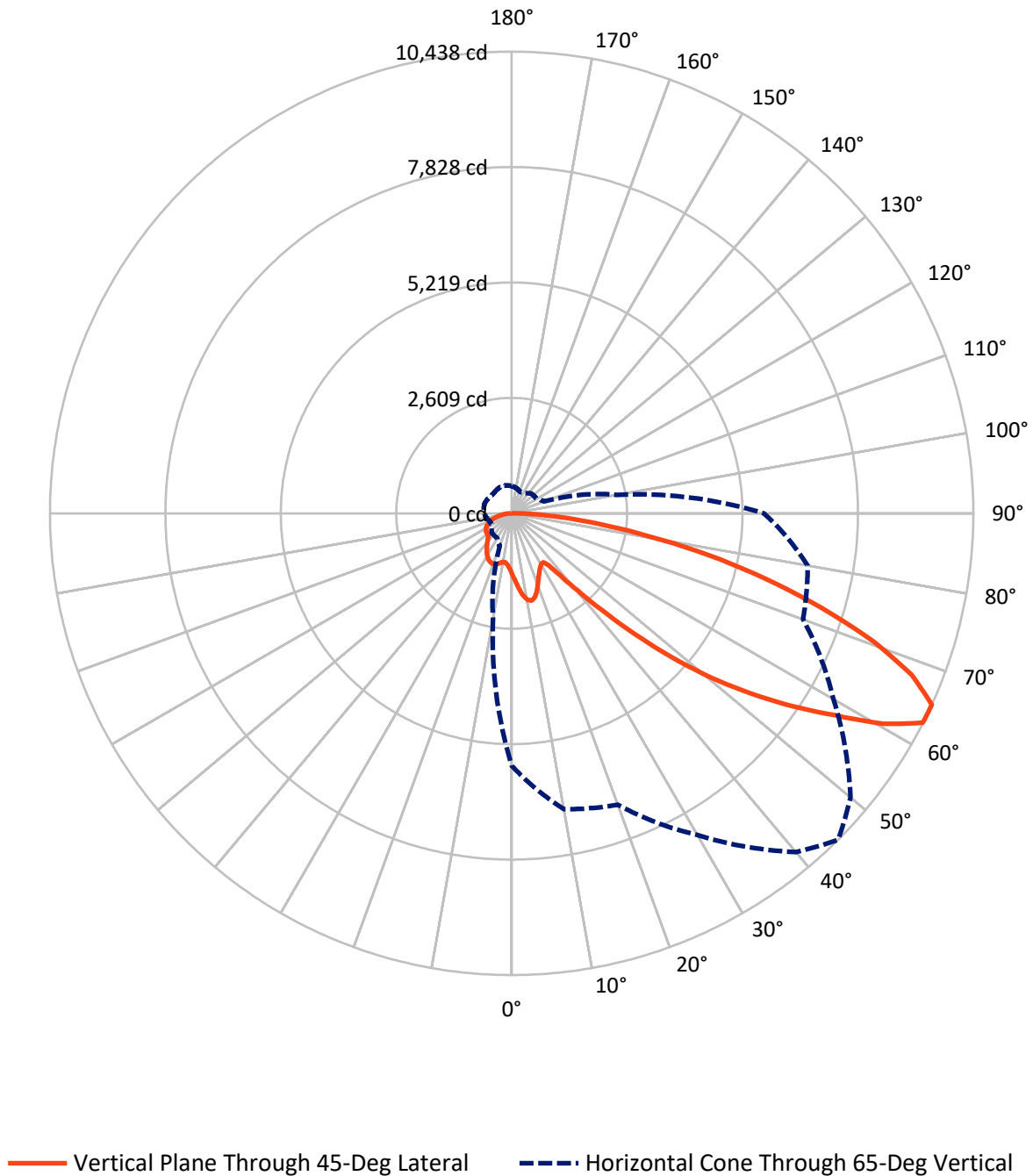


Based on 25 foot mounting height. Maximum calculated value = 3 fc

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	2541.7	0.0	2541.7
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	7459.2	0.0	7459.2
	% Fixture	74.6	0.0	74.6
Total	Lumens	10000.9	0.0	10000.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.4
10°-20°	428.3	4.3
20°-30°	661.5	6.6
30°-40°	838.3	8.4
40°-50°	1264.3	12.6
50°-60°	2042.7	20.4
60°-70°	2546.6	25.5
70°-80°	1669.9	16.7
80°-90°	412.8	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°	10000.9	100.0
0°-180°	10000.9	100.0

Coefficient of Utilization



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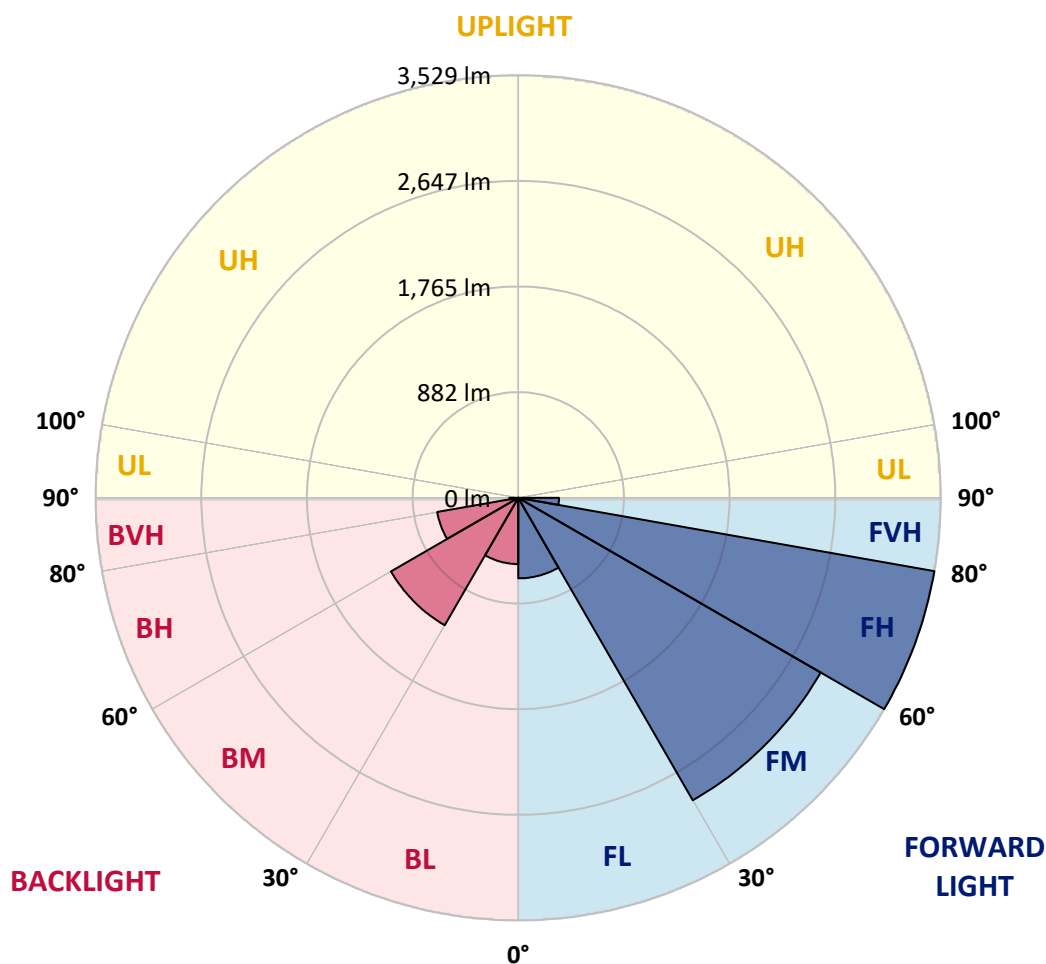
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	672.7	6.7			
FM	(30°-60°)	2917.1	29.2			
FH	(60°-80°)	3529.4	35.3			G2/5000
FVH	(80°-90°)	340.1	3.4			G3/500
BL	(0°-30°)	553.5	5.5	B2/1000		
BM	(30°-60°)	1228.3	12.3	B2/2500		
BH	(60°-80°)	687.2	6.9	B2/1000		G2/1000
BVH	(80°-90°)	72.7	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°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1478.9	1484.5	1490.1	1498.1	1506.1	1510.8	1515.6	1517.9	1520.4	1519.3	1520.4
5°	1590.3	1609.9	1629.4	1648.9	1668.4	1679.0	1689.5	1695.9	1702.3	1707.1	1702.3
7.5°	1702.1	1734.0	1765.9	1794.5	1823.2	1840.4	1857.6	1867.0	1876.3	1880.8	1876.3
10°	1787.9	1825.5	1863.2	1896.9	1930.5	1950.9	1971.1	1980.2	1989.2	1992.6	1989.2
12.5°	1840.4	1881.3	1922.0	1952.4	1982.8	1997.5	2012.3	2017.2	2022.2	2022.7	2022.2
15°	1872.4	1907.5	1942.8	1961.8	1980.9	1981.4	1981.9	1976.7	1971.4	1965.2	1971.4
17.5°	1890.3	1914.1	1937.9	1938.3	1938.6	1917.2	1895.8	1876.3	1856.6	1842.7	1856.6
20°	1910.1	1918.3	1926.7	1901.6	1876.6	1829.3	1782.2	1747.8	1713.5	1692.4	1713.5
22.5°	1933.0	1922.2	1911.2	1859.4	1807.4	1738.0	1668.6	1625.6	1582.7	1559.4	1582.7
25°	1962.6	1928.2	1894.0	1815.1	1736.2	1652.0	1567.7	1522.5	1477.4	1455.4	1477.4
27.5°	2002.6	1941.4	1880.0	1775.5	1671.2	1577.8	1484.3	1439.9	1395.5	1374.7	1395.5
30°	2056.8	1965.3	1873.9	1745.4	1616.8	1519.5	1422.2	1381.0	1339.8	1320.3	1339.8
32.5°	2120.6	1995.4	1870.2	1724.8	1579.3	1487.9	1396.5	1364.1	1331.7	1317.7	1331.7
35°	2198.2	2045.0	1891.7	1740.1	1588.6	1525.1	1461.6	1454.1	1446.6	1445.4	1446.6
37.5°	2328.8	2148.5	1968.2	1830.5	1692.8	1688.7	1684.6	1719.0	1753.6	1771.5	1753.6
40°	2526.1	2330.1	2134.0	2031.7	1929.2	2001.5	2073.8	2157.7	2241.6	2283.4	2241.6
42.5°	2787.9	2593.4	2398.9	2339.9	2280.8	2438.6	2596.2	2748.8	2901.5	2991.1	2901.5
45°	3111.1	2936.4	2761.7	2735.6	2709.5	2962.1	3214.8	3465.6	3716.4	3868.7	3716.4
47.5°	3515.3	3345.4	3175.3	3170.0	3164.8	3529.2	3893.6	4260.7	4627.8	4843.3	4627.8
50°	4045.2	3835.1	3625.2	3626.1	3627.1	4096.7	4566.4	5051.0	5535.6	5828.6	5535.6
52.5°	4653.4	4399.1	4144.9	4119.2	4093.4	4654.4	5215.5	5815.0	6414.6	6765.8	6414.6
55°	5300.9	5049.7	4798.4	4698.3	4598.0	5222.5	5846.8	6561.5	7276.4	7694.1	7276.4
57.5°	5889.8	5753.0	5616.2	5415.2	5214.2	5844.7	6475.1	7284.7	8094.3	8612.3	8094.3
60°	6245.7	6458.2	6670.7	6421.1	6171.4	6768.1	7364.7	8231.6	9098.3	9658.2	9098.3
62.5°	6064.9	6645.5	7226.0	7198.0	7169.8	7716.3	8262.9	9087.5	9912.3	10429.7	9912.3
65°	5703.2	6248.1	6793.0	6900.8	7008.5	7703.1	8397.7	9197.4	9997.0	10437.6	9997.0
67.5°	5218.5	5736.7	6255.0	6305.5	6356.0	7079.7	7803.3	8606.5	9409.6	9754.7	9409.6
70°	4636.2	5199.8	5763.6	5786.1	5808.8	6456.0	7103.0	7794.2	8485.4	8677.1	8485.4
72.5°	3942.3	4589.0	5235.9	5252.2	5268.4	5774.7	6281.1	6798.7	7316.2	7335.7	7316.2
75°	3064.4	3733.9	4403.3	4463.5	4523.5	4917.4	5311.4	5675.8	6040.2	5942.5	6040.2
77.5°	2189.5	2814.3	3439.4	3525.4	3611.4	3910.9	4210.3	4468.8	4727.2	4559.4	4727.2
80°	1432.9	1958.8	2484.5	2591.4	2698.3	2924.4	3150.5	3286.3	3422.0	3152.0	3422.0
82.5°	833.0	1192.4	1551.8	1671.3	1790.8	1946.5	2102.2	2158.8	2215.3	2003.2	2215.3
85°	366.5	557.3	748.0	849.6	951.2	1079.1	1206.9	1239.1	1271.2	1101.4	1271.2
87.5°	113.5	177.5	241.7	298.4	355.1	419.0	483.0	485.7	488.4	410.0	488.4
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°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1517.9	1515.6	1510.8	1506.1	1498.1	1490.1	1484.5	1478.9	1467.6	1456.2	1444.1
5°	1695.9	1689.5	1679.0	1668.4	1648.9	1629.4	1609.9	1590.3	1565.2	1540.2	1515.2
7.5°	1867.0	1857.6	1840.4	1823.2	1794.5	1765.9	1734.0	1702.1	1660.8	1619.4	1581.3
10°	1980.2	1971.1	1950.9	1930.5	1896.9	1863.2	1825.5	1787.9	1735.6	1683.3	1632.8
12.5°	2017.2	2012.3	1997.5	1982.8	1952.4	1922.0	1881.3	1840.4	1782.9	1725.5	1668.3
15°	1976.7	1981.9	1981.4	1980.9	1961.8	1942.8	1907.5	1872.4	1812.4	1752.5	1690.4
17.5°	1876.3	1895.8	1917.2	1938.6	1938.3	1937.9	1914.1	1890.3	1829.5	1768.7	1701.1
20°	1747.8	1782.2	1829.3	1876.6	1901.6	1926.7	1918.3	1910.1	1846.9	1783.8	1709.4
22.5°	1625.6	1668.6	1738.0	1807.4	1859.4	1911.2	1922.2	1933.0	1868.5	1804.0	1720.6
25°	1522.5	1567.7	1652.0	1736.2	1815.1	1894.0	1928.2	1962.6	1899.3	1836.2	1740.9
27.5°	1439.9	1484.3	1577.8	1671.2	1775.5	1880.0	1941.4	2002.6	1942.4	1882.1	1772.4
30°	1381.0	1422.2	1519.5	1616.8	1745.4	1873.9	1965.3	2056.8	1998.4	1940.3	1813.4
32.5°	1364.1	1396.5	1487.9	1579.3	1724.8	1870.2	1995.4	2120.6	2062.9	2005.3	1856.3
35°	1454.1	1461.6	1525.1	1588.6	1740.1	1891.7	2045.0	2198.2	2143.0	2087.7	1905.1
37.5°	1719.0	1684.6	1688.7	1692.8	1830.5	1968.2	2148.5	2328.8	2258.4	2188.0	1959.7
40°	2157.7	2073.8	2001.5	1929.2	2031.7	2134.0	2330.1	2526.1	2423.6	2321.0	2029.0
42.5°	2748.8	2596.2	2438.6	2280.8	2339.9	2398.9	2593.4	2787.9	2639.8	2491.8	2119.7
45°	3465.6	3214.8	2962.1	2709.5	2735.6	2761.7	2936.4	3111.1	2911.4	2711.6	2239.1
47.5°	4260.7	3893.6	3529.2	3164.8	3170.0	3175.3	3345.4	3515.3	3234.2	2953.0	2366.2
50°	5051.0	4566.4	4096.7	3627.1	3626.1	3625.2	3835.1	4045.2	3621.3	3197.5	2484.3
52.5°	5815.0	5215.5	4654.4	4093.4	4119.2	4144.9	4399.1	4653.4	4028.0	3402.7	2560.9
55°	6561.5	5846.8	5222.5	4598.0	4698.3	4798.4	5049.7	5300.9	4388.5	3476.3	2543.9
57.5°	7284.7	6475.1	5844.7	5214.2	5415.2	5616.2	5753.0	5889.8	4644.1	3398.4	2425.1
60°	8231.6	7364.7	6768.1	6171.4	6421.1	6670.7	6458.2	6245.7	4707.9	3170.0	2204.0
62.5°	9087.5	8262.9	7716.3	7169.8	7198.0	7226.0	6645.5	6064.9	4439.1	2813.1	1905.0
65°	9197.4	8397.7	7703.1	7008.5	6900.8	6793.0	6248.1	5703.2	4058.6	2414.0	1599.8
67.5°	8606.5	7803.3	7079.7	6356.0	6305.5	6255.0	5736.7	5218.5	3605.8	1993.3	1300.9
70°	7794.2	7103.0	6456.0	5808.8	5786.1	5763.6	5199.8	4636.2	3111.9	1587.6	1024.3
72.5°	6798.7	6281.1	5774.7	5268.4	5252.2	5235.9	4589.0	3942.3	2576.3	1210.5	783.1
75°	5675.8	5311.4	4917.4	4523.5	4463.5	4403.3	3733.9	3064.4	1962.5	860.6	568.4
77.5°	4468.8	4210.3	3910.9	3611.4	3525.4	3439.4	2814.3	2189.5	1373.6	557.7	385.1
80°	3286.3	3150.5	2924.4	2698.3	2591.4	2484.5	1958.8	1432.9	885.0	336.9	248.2
82.5°	2158.8	2102.2	1946.5	1790.8	1671.3	1551.8	1192.4	833.0	512.2	191.5	152.6
85°	1239.1	1206.9	1079.1	951.2	849.6	748.0	557.3	366.5	230.4	94.4	81.6
87.5°	485.7	483.0	419.0	355.1	298.4	241.7	177.5	113.5	75.4	37.5	33.8
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°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1432.1	1419.9	1407.8	1396.3	1384.6	1373.4	1360.9	1350.7	1340.6	1331.5	1322.5
5°	1490.1	1464.9	1439.8	1416.3	1392.9	1370.7	1348.8	1329.7	1310.6	1294.6	1278.6
7.5°	1543.0	1505.8	1468.6	1435.8	1403.1	1372.9	1344.5	1319.1	1293.7	1272.5	1251.4
10°	1582.3	1537.2	1492.0	1453.2	1414.4	1377.1	1346.6	1319.8	1293.0	1271.9	1250.8
12.5°	1611.1	1557.8	1504.5	1460.6	1416.8	1377.6	1349.2	1327.3	1305.4	1291.4	1277.5
15°	1628.4	1567.0	1505.6	1454.9	1404.1	1360.7	1338.0	1327.5	1317.0	1319.0	1320.8
17.5°	1633.3	1562.1	1490.9	1429.9	1368.8	1317.7	1303.7	1307.6	1311.4	1334.3	1357.4
20°	1635.0	1548.6	1462.3	1386.6	1311.0	1251.4	1247.7	1265.7	1283.6	1323.6	1363.6
22.5°	1637.0	1532.1	1427.0	1335.9	1244.8	1177.0	1184.3	1210.8	1237.4	1283.0	1328.7
25°	1645.4	1515.7	1386.0	1279.3	1172.6	1103.2	1122.7	1153.3	1183.9	1224.9	1266.0
27.5°	1662.9	1504.8	1346.7	1227.5	1108.3	1045.1	1068.9	1098.4	1128.0	1161.7	1195.4
30°	1686.6	1499.7	1312.5	1184.3	1056.0	1003.0	1021.5	1045.0	1068.5	1096.4	1124.4
32.5°	1707.2	1493.3	1279.3	1147.0	1014.5	971.8	980.1	993.9	1007.8	1030.1	1052.5
35°	1722.3	1481.4	1240.6	1110.3	980.0	944.3	941.0	944.7	948.5	965.7	982.6
37.5°	1731.3	1460.9	1190.6	1067.1	943.5	912.5	899.8	895.6	891.4	903.6	915.8
40°	1737.0	1432.8	1128.7	1015.6	902.4	874.1	854.8	845.3	835.8	844.6	853.4
42.5°	1747.6	1403.8	1060.1	958.8	857.4	831.4	807.1	794.5	781.8	788.9	796.2
45°	1766.5	1376.9	987.3	898.4	809.5	783.1	759.6	747.3	735.0	741.0	747.1
47.5°	1779.4	1354.5	929.7	850.6	771.5	737.5	717.3	706.9	696.6	702.2	708.0
50°	1771.0	1330.3	889.6	818.9	748.1	703.5	680.0	670.8	661.6	670.6	679.5
52.5°	1719.0	1289.3	859.7	798.0	736.5	685.0	652.1	643.1	634.1	647.4	660.7
55°	1611.6	1221.3	831.1	782.9	734.7	686.9	637.3	623.0	608.7	627.7	646.6
57.5°	1452.0	1125.4	799.0	765.0	730.9	688.7	628.5	607.6	586.7	607.1	627.4
60°	1237.9	1001.1	764.2	737.5	710.7	682.9	620.1	593.1	566.0	583.8	601.7
62.5°	996.7	852.2	707.6	689.7	672.0	668.6	610.5	576.6	542.7	554.1	565.5
65°	785.7	718.1	650.7	642.3	633.9	634.3	590.0	554.0	517.9	522.3	526.6
67.5°	608.5	589.4	570.2	574.9	579.5	578.4	553.5	523.5	493.5	492.1	490.8
70°	460.9	466.5	471.9	493.6	515.3	515.3	507.2	485.8	464.5	459.7	455.0
72.5°	355.6	372.1	388.7	419.4	450.3	455.4	455.5	440.9	426.3	419.3	412.4
75°	276.1	291.1	306.1	340.6	375.0	398.9	397.0	385.7	374.4	367.8	361.1
77.5°	212.6	222.7	233.0	266.5	300.0	339.3	338.2	329.2	320.2	313.4	306.7
80°	159.4	163.6	167.8	196.2	224.6	271.5	271.3	263.8	256.2	250.5	244.9
82.5°	113.9	114.6	115.4	136.3	157.2	197.3	199.6	195.9	192.2	188.2	184.2
85°	68.9	68.5	68.1	83.3	98.7	128.5	131.4	127.4	123.5	119.0	114.5
87.5°	30.1	29.8	29.4	35.7	41.9	54.3	58.0	56.5	54.8	54.0	53.2
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: P962052

CATALOG NUMBER: NAV-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1314.5	1306.5	1298.5	1290.5	1284.3	1278.1	1273.2	1268.1	1264.1	1260.2	1256.6
5°	1264.4	1250.3	1237.4	1224.6	1214.7	1204.8	1197.8	1190.9	1186.0	1181.1	1177.4
7.5°	1233.7	1215.9	1200.1	1184.5	1172.7	1160.9	1152.7	1144.5	1138.9	1133.2	1129.9
10°	1231.6	1212.4	1194.7	1177.0	1163.1	1148.9	1139.8	1130.5	1125.1	1119.8	1116.9
12.5°	1262.4	1247.4	1229.1	1210.8	1192.9	1175.0	1163.1	1151.2	1145.2	1139.3	1136.9
15°	1316.9	1313.0	1297.1	1281.2	1255.7	1230.2	1212.2	1194.1	1185.8	1177.6	1174.4
17.5°	1369.6	1381.8	1369.0	1356.2	1322.4	1288.5	1262.0	1235.3	1223.1	1210.8	1206.8
20°	1389.2	1414.8	1408.9	1402.9	1364.3	1325.6	1293.0	1260.4	1244.8	1229.1	1224.1
22.5°	1361.9	1395.2	1398.8	1402.4	1365.4	1328.5	1295.0	1261.4	1244.9	1228.3	1222.7
25°	1298.8	1331.5	1343.8	1356.0	1325.6	1295.4	1265.6	1235.8	1221.4	1207.1	1201.9
27.5°	1221.7	1247.9	1261.6	1275.2	1253.7	1232.0	1208.9	1185.7	1176.2	1166.6	1164.1
30°	1146.3	1168.1	1179.2	1190.2	1173.8	1157.3	1140.8	1124.1	1119.2	1114.3	1114.3
32.5°	1073.4	1094.4	1106.7	1119.0	1103.9	1088.8	1075.5	1062.3	1059.0	1055.9	1056.3
35°	1003.3	1024.0	1038.8	1053.6	1042.8	1032.1	1019.9	1007.7	1002.8	997.9	996.8
37.5°	936.4	957.1	975.4	993.6	988.7	983.8	972.5	961.2	952.3	943.4	938.7
40°	873.4	893.3	914.3	935.4	936.5	937.8	928.2	918.6	905.7	892.8	884.1
42.5°	815.1	834.0	856.7	879.4	885.5	891.5	883.4	875.5	859.4	843.3	830.6
45°	765.1	783.0	806.6	830.0	838.8	847.5	840.2	833.0	814.6	796.2	781.3
47.5°	725.5	743.0	766.2	789.5	799.5	809.5	804.4	799.4	783.0	766.7	752.9
50°	696.0	712.5	733.3	754.1	767.0	779.8	779.5	779.3	766.2	753.2	740.4
52.5°	675.9	691.1	710.4	729.8	745.1	760.3	763.1	765.8	755.1	744.5	733.1
55°	662.9	679.3	696.3	713.2	729.4	745.6	749.4	753.2	743.8	734.6	724.6
57.5°	646.7	665.8	682.6	699.5	715.8	732.1	735.8	739.7	730.3	721.0	711.0
60°	623.7	645.9	662.9	680.0	696.3	712.7	716.9	721.1	712.0	702.8	692.6
62.5°	591.1	616.8	635.1	653.3	668.3	683.3	687.4	691.4	683.2	674.9	664.1
65°	554.2	581.8	599.2	616.6	629.9	643.0	647.2	651.3	643.3	635.4	624.9
67.5°	516.2	541.7	558.2	574.7	586.1	597.5	601.6	605.6	598.2	590.9	581.2
70°	477.3	499.8	514.0	528.3	538.5	548.8	552.7	556.7	550.6	544.7	535.5
72.5°	430.0	447.6	460.4	473.3	483.4	493.5	498.2	502.8	497.8	492.9	484.0
75°	374.1	387.2	398.9	410.5	419.7	429.0	433.8	438.6	436.2	433.8	426.3
77.5°	317.3	328.0	338.0	348.0	357.7	367.3	371.9	376.4	373.0	369.5	362.0
80°	253.7	262.5	271.0	279.4	286.8	294.1	300.0	306.1	304.6	303.2	293.0
82.5°	183.5	182.7	179.8	176.8	192.4	208.0	218.2	228.5	227.9	227.1	218.6
85°	110.7	106.9	98.7	90.5	105.2	119.8	132.4	145.1	144.1	143.0	136.3
87.5°	53.0	52.9	46.6	40.4	46.5	52.7	57.8	62.9	61.6	60.3	56.9
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-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1253.1	1248.6	1253.1	1256.6	1260.2	1264.1	1268.1	1273.2	1278.1	1284.3	1290.5
5°	1173.6	1169.9	1173.6	1177.4	1181.1	1186.0	1190.9	1197.8	1204.8	1214.7	1224.6
7.5°	1126.6	1124.0	1126.6	1129.9	1133.2	1138.9	1144.5	1152.7	1160.9	1172.7	1184.5
10°	1114.1	1112.9	1114.1	1116.9	1119.8	1125.1	1130.5	1139.8	1148.9	1163.1	1177.0
12.5°	1134.5	1134.1	1134.5	1136.9	1139.3	1145.2	1151.2	1163.1	1175.0	1192.9	1210.8
15°	1171.3	1171.0	1171.3	1174.4	1177.6	1185.8	1194.1	1212.2	1230.2	1255.7	1281.2
17.5°	1202.7	1202.1	1202.7	1206.8	1210.8	1223.1	1235.3	1262.0	1288.5	1322.4	1356.2
20°	1219.0	1217.4	1219.0	1224.1	1229.1	1244.8	1260.4	1293.0	1325.6	1364.3	1402.9
22.5°	1217.2	1214.8	1217.2	1222.7	1228.3	1244.9	1261.4	1295.0	1328.5	1365.4	1402.4
25°	1196.8	1193.7	1196.8	1201.9	1207.1	1221.4	1235.8	1265.6	1295.4	1325.6	1356.0
27.5°	1161.7	1160.9	1161.7	1164.1	1166.6	1176.2	1185.7	1208.9	1232.0	1253.7	1275.2
30°	1114.3	1115.1	1114.3	1114.3	1114.3	1119.2	1124.1	1140.8	1157.3	1173.8	1190.2
32.5°	1056.8	1057.5	1056.8	1056.3	1055.9	1059.0	1062.3	1075.5	1088.8	1103.9	1119.0
35°	995.8	995.3	995.8	996.8	997.9	1002.8	1007.7	1019.9	1032.1	1042.8	1053.6
37.5°	934.1	931.4	934.1	938.7	943.4	952.3	961.2	972.5	983.8	988.7	993.6
40°	875.4	870.2	875.4	884.1	892.8	905.7	918.6	928.2	937.8	936.5	935.4
42.5°	817.8	809.5	817.8	830.6	843.3	859.4	875.5	883.4	891.5	885.5	879.4
45°	766.3	756.8	766.3	781.3	796.2	814.6	833.0	840.2	847.5	838.8	830.0
47.5°	739.0	729.8	739.0	752.9	766.7	783.0	799.4	804.4	809.5	799.5	789.5
50°	727.6	718.7	727.6	740.4	753.2	766.2	779.3	779.5	779.8	767.0	754.1
52.5°	721.6	713.5	721.6	733.1	744.5	755.1	765.8	763.1	760.3	745.1	729.8
55°	714.5	707.1	714.5	724.6	734.6	743.8	753.2	749.4	745.6	729.4	713.2
57.5°	701.1	693.4	701.1	711.0	721.0	730.3	739.7	735.8	732.1	715.8	699.5
60°	682.3	674.4	682.3	692.6	702.8	712.0	721.1	716.9	712.7	696.3	680.0
62.5°	653.3	643.8	653.3	664.1	674.9	683.2	691.4	687.4	683.3	668.3	653.3
65°	614.5	606.4	614.5	624.9	635.4	643.3	651.3	647.2	643.0	629.9	616.6
67.5°	571.5	564.2	571.5	581.2	590.9	598.2	605.6	601.6	597.5	586.1	574.7
70°	526.1	517.7	526.1	535.5	544.7	550.6	556.7	552.7	548.8	538.5	528.3
72.5°	475.2	467.0	475.2	484.0	492.9	497.8	502.8	498.2	493.5	483.4	473.3
75°	418.9	411.1	418.9	426.3	433.8	436.2	438.6	433.8	429.0	419.7	410.5
77.5°	354.5	348.3	354.5	362.0	369.5	373.0	376.4	371.9	367.3	357.7	348.0
80°	283.0	271.2	283.0	293.0	303.2	304.6	306.1	300.0	294.1	286.8	279.4
82.5°	210.1	202.6	210.1	218.6	227.1	227.9	228.5	218.2	208.0	192.4	176.8
85°	129.7	123.0	129.7	136.3	143.0	144.1	145.1	132.4	119.8	105.2	90.5
87.5°	53.4	50.1	53.4	56.9	60.3	61.6	62.9	57.8	52.7	46.5	40.4
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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CATALOG NUMBER: NAV-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1298.5	1306.5	1314.5	1322.5	1331.5	1340.6	1350.7	1360.9	1373.4	1384.6	1396.3
5°	1237.4	1250.3	1264.4	1278.6	1294.6	1310.6	1329.7	1348.8	1370.7	1392.9	1416.3
7.5°	1200.1	1215.9	1233.7	1251.4	1272.5	1293.7	1319.1	1344.5	1372.9	1403.1	1435.8
10°	1194.7	1212.4	1231.6	1250.8	1271.9	1293.0	1319.8	1346.6	1377.1	1414.4	1453.2
12.5°	1229.1	1247.4	1262.4	1277.5	1291.4	1305.4	1327.3	1349.2	1377.6	1416.8	1460.6
15°	1297.1	1313.0	1316.9	1320.8	1319.0	1317.0	1327.5	1338.0	1360.7	1404.1	1454.9
17.5°	1369.0	1381.8	1369.6	1357.4	1334.3	1311.4	1307.6	1303.7	1317.7	1368.8	1429.9
20°	1408.9	1414.8	1389.2	1363.6	1323.6	1283.6	1265.7	1247.7	1251.4	1311.0	1386.6
22.5°	1398.8	1395.2	1361.9	1328.7	1283.0	1237.4	1210.8	1184.3	1177.0	1244.8	1335.9
25°	1343.8	1331.5	1298.8	1266.0	1224.9	1183.9	1153.3	1122.7	1103.2	1172.6	1279.3
27.5°	1261.6	1247.9	1221.7	1195.4	1161.7	1128.0	1098.4	1068.9	1045.1	1108.3	1227.5
30°	1179.2	1168.1	1146.3	1124.4	1096.4	1068.5	1045.0	1021.5	1003.0	1056.0	1184.3
32.5°	1106.7	1094.4	1073.4	1052.5	1030.1	1007.8	993.9	980.1	971.8	1014.5	1147.0
35°	1038.8	1024.0	1003.3	982.6	965.7	948.5	944.7	941.0	944.3	980.0	1110.3
37.5°	975.4	957.1	936.4	915.8	903.6	891.4	895.6	899.8	912.5	943.5	1067.1
40°	914.3	893.3	873.4	853.4	844.6	835.8	845.3	854.8	874.1	902.4	1015.6
42.5°	856.7	834.0	815.1	796.2	788.9	781.8	794.5	807.1	831.4	857.4	958.8
45°	806.6	783.0	765.1	747.1	741.0	735.0	747.3	759.6	783.1	809.5	898.4
47.5°	766.2	743.0	725.5	708.0	702.2	696.6	706.9	717.3	737.5	771.5	850.6
50°	733.3	712.5	696.0	679.5	670.6	661.6	670.8	680.0	703.5	748.1	818.9
52.5°	710.4	691.1	675.9	660.7	647.4	634.1	643.1	652.1	685.0	736.5	798.0
55°	696.3	679.3	662.9	646.6	627.7	608.7	623.0	637.3	686.9	734.7	782.9
57.5°	682.6	665.8	646.7	627.4	607.1	586.7	607.6	628.5	688.7	730.9	765.0
60°	662.9	645.9	623.7	601.7	583.8	566.0	593.1	620.1	682.9	710.7	737.5
62.5°	635.1	616.8	591.1	565.5	554.1	542.7	576.6	610.5	668.6	672.0	689.7
65°	599.2	581.8	554.2	526.6	522.3	517.9	554.0	590.0	634.3	633.9	642.3
67.5°	558.2	541.7	516.2	490.8	492.1	493.5	523.5	553.5	578.4	579.5	574.9
70°	514.0	499.8	477.3	455.0	459.7	464.5	485.8	507.2	515.3	515.3	493.6
72.5°	460.4	447.6	430.0	412.4	419.3	426.3	440.9	455.5	455.4	450.3	419.4
75°	398.9	387.2	374.1	361.1	367.8	374.4	385.7	397.0	398.9	375.0	340.6
77.5°	338.0	328.0	317.3	306.7	313.4	320.2	329.2	338.2	339.3	300.0	266.5
80°	271.0	262.5	253.7	244.9	250.5	256.2	263.8	271.3	271.5	224.6	196.2
82.5°	179.8	182.7	183.5	184.2	188.2	192.2	195.9	199.6	197.3	157.2	136.3
85°	98.7	106.9	110.7	114.5	119.0	123.5	127.4	131.4	128.5	98.7	83.3
87.5°	46.6	52.9	53.0	53.2	54.0	54.8	56.5	58.0	54.3	41.9	35.7
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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CATALOG NUMBER: NAV-SB2B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2	1375.2
2.5°	1407.8	1419.9	1432.1	1444.1	1456.2	1467.6	1478.9
5°	1439.8	1464.9	1490.1	1515.2	1540.2	1565.2	1590.3
7.5°	1468.6	1505.8	1543.0	1581.3	1619.4	1660.8	1702.1
10°	1492.0	1537.2	1582.3	1632.8	1683.3	1735.6	1787.9
12.5°	1504.5	1557.8	1611.1	1668.3	1725.5	1782.9	1840.4
15°	1505.6	1567.0	1628.4	1690.4	1752.5	1812.4	1872.4
17.5°	1490.9	1562.1	1633.3	1701.1	1768.7	1829.5	1890.3
20°	1462.3	1548.6	1635.0	1709.4	1783.8	1846.9	1910.1
22.5°	1427.0	1532.1	1637.0	1720.6	1804.0	1868.5	1933.0
25°	1386.0	1515.7	1645.4	1740.9	1836.2	1899.3	1962.6
27.5°	1346.7	1504.8	1662.9	1772.4	1882.1	1942.4	2002.6
30°	1312.5	1499.7	1686.6	1813.4	1940.3	1998.4	2056.8
32.5°	1279.3	1493.3	1707.2	1856.3	2005.3	2062.9	2120.6
35°	1240.6	1481.4	1722.3	1905.1	2087.7	2143.0	2198.2
37.5°	1190.6	1460.9	1731.3	1959.7	2188.0	2258.4	2328.8
40°	1128.7	1432.8	1737.0	2029.0	2321.0	2423.6	2526.1
42.5°	1060.1	1403.8	1747.6	2119.7	2491.8	2639.8	2787.9
45°	987.3	1376.9	1766.5	2239.1	2711.6	2911.4	3111.1
47.5°	929.7	1354.5	1779.4	2366.2	2953.0	3234.2	3515.3
50°	889.6	1330.3	1771.0	2484.3	3197.5	3621.3	4045.2
52.5°	859.7	1289.3	1719.0	2560.9	3402.7	4028.0	4653.4
55°	831.1	1221.3	1611.6	2543.9	3476.3	4388.5	5300.9
57.5°	799.0	1125.4	1452.0	2425.1	3398.4	4644.1	5889.8
60°	764.2	1001.1	1237.9	2204.0	3170.0	4707.9	6245.7
62.5°	707.6	852.2	996.7	1905.0	2813.1	4439.1	6064.9
65°	650.7	718.1	785.7	1599.8	2414.0	4058.6	5703.2
67.5°	570.2	589.4	608.5	1300.9	1993.3	3605.8	5218.5
70°	471.9	466.5	460.9	1024.3	1587.6	3111.9	4636.2
72.5°	388.7	372.1	355.6	783.1	1210.5	2576.3	3942.3
75°	306.1	291.1	276.1	568.4	860.6	1962.5	3064.4
77.5°	233.0	222.7	212.6	385.1	557.7	1373.6	2189.5
80°	167.8	163.6	159.4	248.2	336.9	885.0	1432.9
82.5°	115.4	114.6	113.9	152.6	191.5	512.2	833.0
85°	68.1	68.5	68.9	81.6	94.4	230.4	366.5
87.5°	29.4	29.8	30.1	33.8	37.5	75.4	113.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)