

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: P965524

Luminaire Tested: **NAV-SB4A-722-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P965524  
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-SB4A-722-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(4) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15168 lumens  
Efficiency: N/A  
Efficacy: 133.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

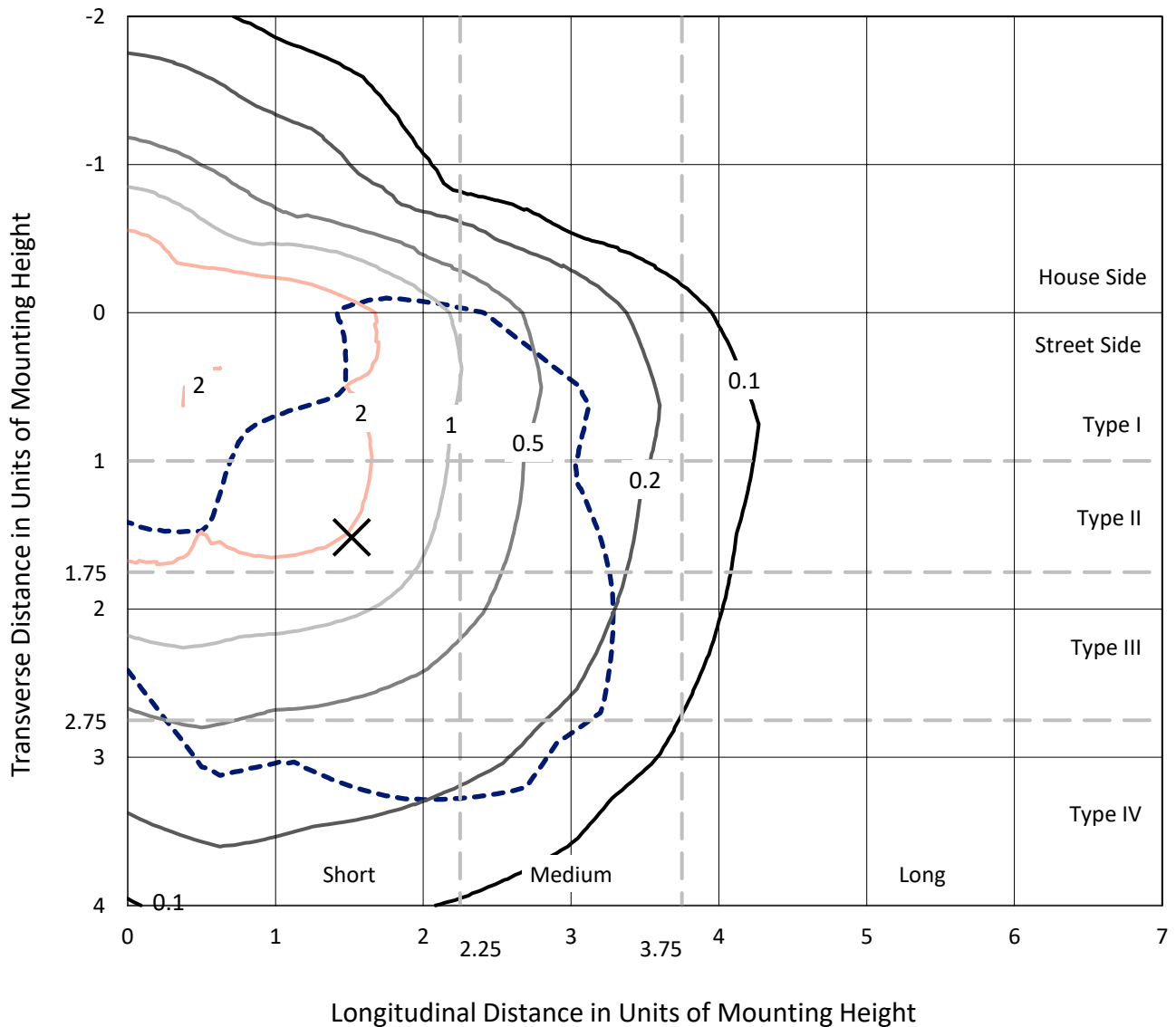
Input Watts (W): 114  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

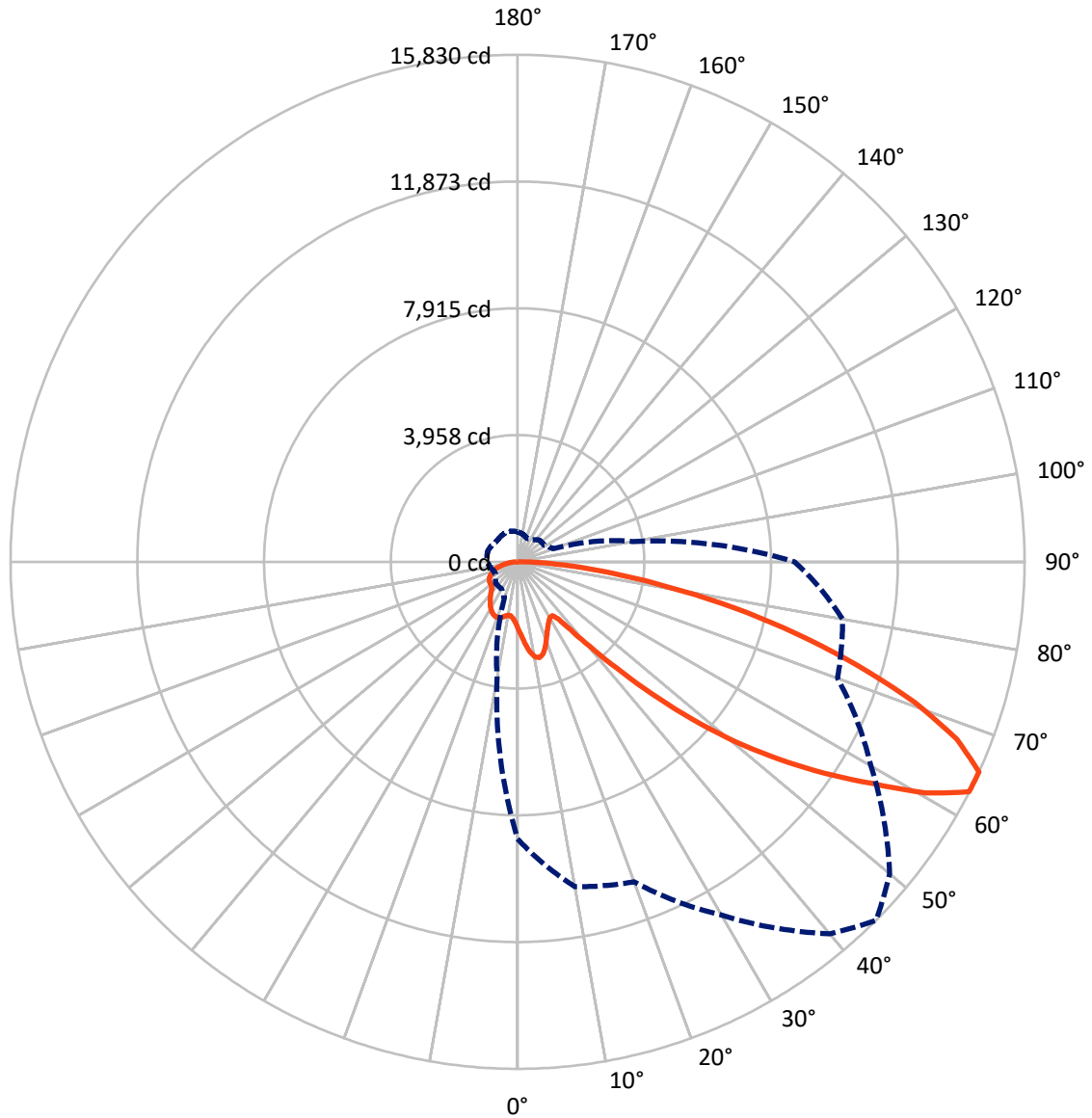
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.6 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
<b>House Side</b>	Lumens	3854.9	0.0	3854.9
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	11313.0	0.0	11313.0
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	15168.0	0.0	15168.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	206.9	1.4
10°-20°	649.5	4.3
20°-30°	1003.3	6.6
30°-40°	1271.4	8.4
40°-50°	1917.6	12.6
50°-60°	3098.1	20.4
60°-70°	3862.3	25.5
70°-80°	2532.7	16.7
80°-90°	626.1	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°	15168.0	100.0
0°-180°	15168.0	100.0

**Coefficient of Utilization**



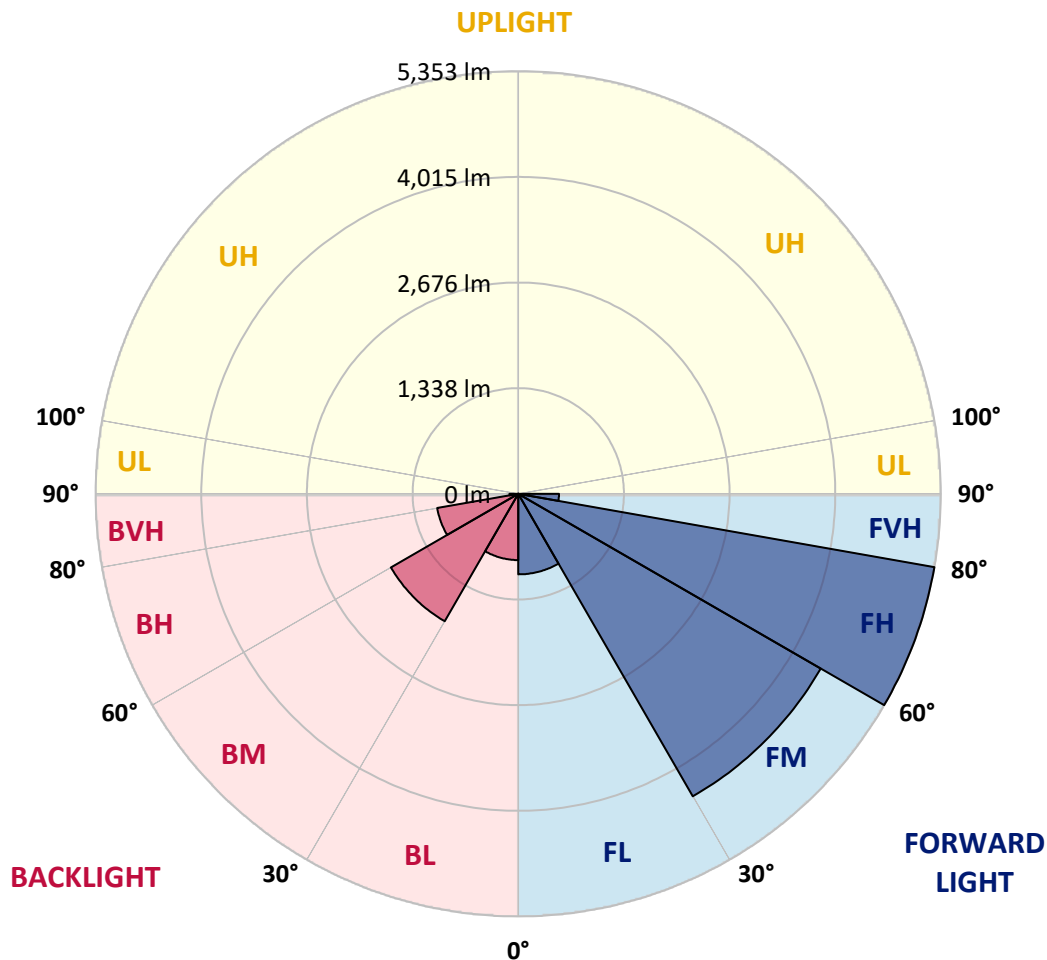
REPORT NUMBER: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1020.2	6.7			
FM (30°-60°)	4424.2	29.2			
FH (60°-80°)	5352.8	35.3			G3/7500
FVH (80°-90°)	515.8	3.4			G4/750
BL (0°-30°)	839.5	5.5	B2/1000		
BM (30°-60°)	1862.9	12.3	B2/2500		
BH (60°-80°)	1042.2	6.9	B3/2500		G3/2500
BVH (80°-90°)	110.3	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type IV Short



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 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2243.0	2251.5	2260.0	2272.1	2284.2	2291.4	2298.7	2302.3	2305.8	2304.2	2305.8
5°	2411.8	2441.5	2471.4	2500.8	2530.3	2546.3	2562.3	2572.0	2581.8	2589.1	2581.8
7.5°	2581.6	2629.8	2678.1	2721.6	2765.0	2791.3	2817.4	2831.6	2845.7	2852.5	2845.7
10°	2711.6	2768.7	2825.9	2876.9	2927.8	2958.8	2989.5	3003.2	3017.0	3022.1	3017.0
12.5°	2791.3	2853.2	2915.1	2961.1	3007.0	3029.5	3051.9	3059.4	3067.0	3067.7	3067.0
15°	2839.7	2893.2	2946.5	2975.4	3004.4	3005.2	3006.0	2997.9	2989.9	2980.5	2989.9
17.5°	2866.8	2903.0	2939.1	2939.6	2940.1	2907.7	2875.2	2845.6	2815.8	2794.9	2815.8
20°	2896.9	2909.5	2922.1	2884.0	2846.0	2774.5	2702.9	2650.9	2598.8	2566.7	2598.8
22.5°	2931.7	2915.2	2898.7	2820.0	2741.3	2636.0	2530.7	2465.5	2400.4	2365.1	2400.4
25°	2976.5	2924.5	2872.5	2752.9	2633.3	2505.5	2377.7	2309.2	2240.9	2207.3	2240.9
27.5°	3037.4	2944.3	2851.2	2692.9	2534.5	2392.9	2251.2	2183.9	2116.5	2085.0	2116.5
30°	3119.4	2980.7	2842.0	2647.1	2452.1	2304.5	2156.9	2094.5	2032.0	2002.4	2032.0
32.5°	3216.2	3026.3	2836.5	2615.9	2395.3	2256.6	2117.9	2068.9	2019.7	1998.4	2019.7
35°	3333.9	3101.4	2869.1	2639.3	2409.5	2313.1	2216.9	2205.4	2193.9	2192.2	2193.9
37.5°	3531.9	3258.6	2985.2	2776.3	2567.4	2561.2	2554.9	2607.2	2659.6	2686.8	2659.6
40°	3831.3	3534.0	3236.6	3081.3	2926.0	3035.5	3145.2	3272.5	3399.7	3463.2	3399.7
42.5°	4228.2	3933.2	3638.2	3548.8	3459.3	3698.4	3937.5	4169.1	4400.5	4536.4	4400.5
45°	4718.5	4453.5	4188.5	4149.0	4109.4	4492.6	4875.7	5256.1	5636.5	5867.4	5636.5
47.5°	5331.5	5073.8	4815.9	4807.9	4799.9	5352.7	5905.1	6462.0	7018.7	7345.7	7018.7
50°	6135.1	5816.7	5498.3	5499.6	5501.0	6213.3	6925.6	7660.5	8395.6	8839.9	8395.6
52.5°	7057.5	6671.9	6286.4	6247.4	6208.3	7059.2	7910.0	8819.4	9728.7	10261.4	9728.7
55°	8039.6	7658.6	7277.6	7125.6	6973.7	7920.6	8867.5	9951.6	11035.7	11669.2	11035.7
57.5°	8932.8	8725.3	8517.8	8212.9	7908.2	8864.3	9820.5	11048.4	12276.2	13061.8	12276.2
60°	9472.6	9794.8	10117.2	9738.5	9360.0	10264.9	11169.7	12484.4	13799.1	14648.1	13799.1
62.5°	9198.5	10078.9	10959.4	10916.8	10874.0	11702.9	12532.0	13782.8	15033.5	15818.2	15033.5
65°	8649.9	9476.2	10302.6	10466.1	10629.6	11682.9	12736.4	13949.3	15162.1	15830.2	15162.1
67.5°	7914.7	8700.6	9486.6	9563.2	9639.9	10737.5	11835.0	13053.1	14271.1	14794.5	14271.1
70°	7031.5	7886.4	8741.3	8775.5	8809.9	9791.4	10773.0	11821.1	12869.3	13160.2	12869.3
72.5°	5979.0	6960.1	7941.1	7965.8	7990.4	8758.3	9526.2	10311.3	11096.2	11125.8	11096.2
75°	4647.7	5663.0	6678.3	6769.5	6860.6	7458.1	8055.6	8608.3	9160.8	9012.8	9160.8
77.5°	3320.7	4268.4	5216.3	5346.8	5477.2	5931.5	6385.6	6777.6	7169.6	6915.1	7169.6
80°	2173.4	2970.8	3768.1	3930.3	4092.4	4435.4	4778.2	4984.2	5189.9	4780.5	5189.9
82.5°	1263.3	1808.5	2353.7	2534.8	2716.0	2952.1	3188.3	3274.1	3359.8	3038.1	3359.8
85°	555.9	845.2	1134.5	1288.5	1442.7	1636.6	1830.5	1879.3	1928.0	1670.3	1928.0
87.5°	172.1	269.4	366.5	452.5	538.4	635.5	732.5	736.7	740.8	621.9	740.8
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: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2302.3	2298.7	2291.4	2284.2	2272.1	2260.0	2251.5	2243.0	2225.8	2208.6	2190.2
5°	2572.0	2562.3	2546.3	2530.3	2500.8	2471.4	2441.5	2411.8	2373.9	2335.9	2297.9
7.5°	2831.6	2817.4	2791.3	2765.0	2721.6	2678.1	2629.8	2581.6	2518.8	2456.1	2398.2
10°	3003.2	2989.5	2958.8	2927.8	2876.9	2825.9	2768.7	2711.6	2632.3	2553.0	2476.4
12.5°	3059.4	3051.9	3029.5	3007.0	2961.1	2915.1	2853.2	2791.3	2704.1	2617.0	2530.2
15°	2997.9	3006.0	3005.2	3004.4	2975.4	2946.5	2893.2	2839.7	2748.8	2657.9	2563.8
17.5°	2845.6	2875.2	2907.7	2940.1	2939.6	2939.1	2903.0	2866.8	2774.8	2682.6	2579.9
20°	2650.9	2702.9	2774.5	2846.0	2884.0	2922.1	2909.5	2896.9	2801.1	2705.4	2592.5
22.5°	2465.5	2530.7	2636.0	2741.3	2820.0	2898.7	2915.2	2931.7	2833.9	2736.0	2609.4
25°	2309.2	2377.7	2505.5	2633.3	2752.9	2872.5	2924.5	2976.5	2880.7	2784.8	2640.2
27.5°	2183.9	2251.2	2392.9	2534.5	2692.9	2851.2	2944.3	3037.4	2946.0	2854.4	2688.3
30°	2094.5	2156.9	2304.5	2452.1	2647.1	2842.0	2980.7	3119.4	3031.0	2942.8	2750.4
32.5°	2068.9	2117.9	2256.6	2395.3	2615.9	2836.5	3026.3	3216.2	3128.7	3041.4	2815.4
35°	2205.4	2216.9	2313.1	2409.5	2639.3	2869.1	3101.4	3333.9	3250.2	3166.3	2889.3
37.5°	2607.2	2554.9	2561.2	2567.4	2776.3	2985.2	3258.6	3531.9	3425.2	3318.4	2972.1
40°	3272.5	3145.2	3035.5	2926.0	3081.3	3236.6	3534.0	3831.3	3675.8	3520.2	3077.3
42.5°	4169.1	3937.5	3698.4	3459.3	3548.8	3638.2	3933.2	4228.2	4003.6	3779.1	3214.9
45°	5256.1	4875.7	4492.6	4109.4	4149.0	4188.5	4453.5	4718.5	4415.6	4112.6	3395.9
47.5°	6462.0	5905.1	5352.7	4799.9	4807.9	4815.9	5073.8	5331.5	4905.2	4478.7	3588.8
50°	7660.5	6925.6	6213.3	5501.0	5499.6	5498.3	5816.7	6135.1	5492.4	4849.5	3767.8
52.5°	8819.4	7910.0	7059.2	6208.3	6247.4	6286.4	6671.9	7057.5	6109.1	5160.7	3883.9
55°	9951.6	8867.5	7920.6	6973.7	7125.6	7277.6	7658.6	8039.6	6655.9	5272.3	3858.3
57.5°	11048.4	9820.5	8864.3	7908.2	8212.9	8517.8	8725.3	8932.8	7043.4	5154.1	3678.1
60°	12484.4	11169.7	10264.9	9360.0	9738.5	10117.2	9794.8	9472.6	7140.3	4807.9	3342.7
62.5°	13782.8	12532.0	11702.9	10874.0	10916.8	10959.4	10078.9	9198.5	6732.5	4266.6	2889.2
65°	13949.3	12736.4	11682.9	10629.6	10466.1	10302.6	9476.2	8649.9	6155.5	3661.2	2426.4
67.5°	13053.1	11835.0	10737.5	9639.9	9563.2	9486.6	8700.6	7914.7	5468.9	3023.1	1973.0
70°	11821.1	10773.0	9791.4	8809.9	8775.5	8741.3	7886.4	7031.5	4719.7	2407.8	1553.5
72.5°	10311.3	9526.2	8758.3	7990.4	7965.8	7941.1	6960.1	5979.0	3907.5	1836.0	1187.7
75°	8608.3	8055.6	7458.1	6860.6	6769.5	6678.3	5663.0	4647.7	2976.4	1305.2	862.0
77.5°	6777.6	6385.6	5931.5	5477.2	5346.8	5216.3	4268.4	3320.7	2083.2	845.8	584.1
80°	4984.2	4778.2	4435.4	4092.4	3930.3	3768.1	2970.8	2173.4	1342.2	511.1	376.3
82.5°	3274.1	3188.3	2952.1	2716.0	2534.8	2353.7	1808.5	1263.3	776.8	290.4	231.4
85°	1879.3	1830.5	1636.6	1442.7	1288.5	1134.5	845.2	555.9	349.4	143.1	123.7
87.5°	736.7	732.5	635.5	538.4	452.5	366.5	269.4	172.1	114.5	56.8	51.4
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: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2172.0	2153.6	2135.2	2117.5	2100.0	2082.9	2063.9	2048.6	2033.3	2019.5	2005.7
5°	2260.0	2221.9	2183.8	2148.2	2112.5	2078.9	2045.7	2016.7	1987.7	1963.4	1939.1
7.5°	2340.3	2283.8	2227.4	2177.7	2128.0	2082.1	2039.1	2000.6	1962.1	1930.1	1898.0
10°	2399.8	2331.4	2262.8	2204.1	2145.1	2088.5	2042.3	2001.7	1961.0	1929.0	1897.0
12.5°	2443.5	2362.6	2281.9	2215.3	2148.8	2089.4	2046.3	2013.1	1979.9	1958.7	1937.5
15°	2469.7	2376.7	2283.6	2206.6	2129.5	2063.7	2029.3	2013.4	1997.5	2000.4	2003.3
17.5°	2477.2	2369.2	2261.1	2168.6	2075.9	1998.4	1977.2	1983.1	1988.9	2023.8	2058.7
20°	2479.7	2348.7	2217.8	2103.0	1988.2	1898.0	1892.5	1919.6	1946.9	2007.5	2068.1
22.5°	2482.9	2323.6	2164.3	2026.1	1887.8	1785.1	1796.1	1836.4	1876.7	1945.9	2015.2
25°	2495.5	2298.8	2102.2	1940.2	1778.4	1673.1	1702.7	1749.2	1795.6	1857.8	1920.0
27.5°	2521.9	2282.2	2042.5	1861.7	1680.9	1585.1	1621.1	1665.9	1710.7	1761.9	1812.9
30°	2558.1	2274.5	1990.7	1796.1	1601.5	1521.1	1549.3	1584.9	1620.5	1663.0	1705.4
32.5°	2589.4	2264.8	1940.2	1739.5	1538.7	1473.8	1486.5	1507.5	1528.5	1562.4	1596.3
35°	2612.2	2246.8	1881.5	1683.9	1486.2	1432.2	1427.0	1432.7	1438.6	1464.5	1490.2
37.5°	2625.8	2215.7	1805.7	1618.4	1431.0	1383.9	1364.8	1358.3	1352.0	1370.5	1389.0
40°	2634.4	2173.1	1712.0	1540.3	1368.6	1325.8	1296.6	1282.1	1267.6	1280.9	1294.4
42.5°	2650.6	2129.1	1607.7	1454.1	1300.4	1261.0	1224.2	1204.9	1185.7	1196.6	1207.6
45°	2679.1	2088.2	1497.3	1362.5	1227.7	1187.8	1152.1	1133.3	1114.7	1123.8	1133.1
47.5°	2698.8	2054.4	1410.1	1290.1	1170.1	1118.5	1087.8	1072.1	1056.5	1065.1	1073.7
50°	2686.0	2017.6	1349.2	1242.0	1134.8	1066.9	1031.3	1017.3	1003.5	1016.9	1030.4
52.5°	2607.2	1955.4	1303.8	1210.3	1116.9	1038.8	989.1	975.3	961.7	981.8	1002.0
55°	2444.3	1852.4	1260.4	1187.4	1114.3	1041.7	966.7	944.9	923.2	951.9	980.6
57.5°	2202.2	1707.0	1211.8	1160.1	1108.5	1044.5	953.2	921.6	889.8	920.8	951.6
60°	1877.5	1518.2	1159.1	1118.5	1077.9	1035.7	940.5	899.5	858.3	885.5	912.6
62.5°	1511.7	1292.4	1073.1	1046.1	1019.3	1014.0	925.9	874.4	823.2	840.4	857.6
65°	1191.6	1089.2	986.9	974.2	961.3	962.1	894.8	840.2	785.6	792.2	798.8
67.5°	923.0	893.9	864.8	871.9	878.9	877.2	839.4	794.0	748.5	746.4	744.4
70°	699.2	707.5	715.7	748.7	781.6	781.6	769.2	736.8	704.5	697.3	690.0
72.5°	539.3	564.4	589.5	636.2	682.9	690.7	690.8	668.7	646.6	636.0	625.5
75°	418.7	441.5	464.2	516.6	568.9	605.1	602.0	585.0	567.8	557.8	547.6
77.5°	322.4	337.8	353.3	404.2	455.0	514.7	513.0	499.4	485.6	475.4	465.1
80°	241.7	248.2	254.5	297.6	340.5	411.7	411.5	400.1	388.6	380.0	371.4
82.5°	172.7	173.8	175.1	206.8	238.5	299.3	302.7	297.0	291.5	285.4	279.3
85°	104.4	103.9	103.2	126.5	149.6	194.9	199.3	193.3	187.3	180.5	173.6
87.5°	45.8	45.2	44.7	54.1	63.7	82.4	88.0	85.6	83.2	82.0	80.7
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: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	1993.6	1981.5	1969.3	1957.2	1947.9	1938.5	1930.9	1923.2	1917.4	1911.4	1906.0
5°	1917.7	1896.2	1876.8	1857.2	1842.2	1827.2	1816.7	1806.3	1798.8	1791.4	1785.7
7.5°	1871.0	1844.0	1820.2	1796.4	1778.6	1760.7	1748.3	1735.8	1727.2	1718.7	1713.6
10°	1868.0	1838.8	1812.0	1785.1	1763.9	1742.5	1728.6	1714.5	1706.4	1698.3	1694.0
12.5°	1914.6	1891.8	1864.1	1836.4	1809.2	1782.0	1764.0	1746.0	1737.0	1727.9	1724.3
15°	1997.3	1991.5	1967.4	1943.3	1904.6	1865.8	1838.4	1811.1	1798.5	1786.0	1781.1
17.5°	2077.3	2095.7	2076.2	2056.9	2005.6	1954.3	1914.0	1873.6	1855.0	1836.4	1830.3
20°	2106.9	2145.7	2136.8	2127.7	2069.1	2010.5	1961.0	1911.6	1887.8	1864.1	1856.4
22.5°	2065.7	2116.1	2121.5	2127.0	2070.9	2014.8	1964.0	1913.0	1887.9	1862.8	1854.4
25°	1969.7	2019.5	2038.0	2056.6	2010.5	1964.7	1919.4	1874.3	1852.5	1830.9	1822.9
27.5°	1852.8	1892.7	1913.4	1934.1	1901.3	1868.7	1833.5	1798.4	1783.8	1769.2	1765.6
30°	1738.4	1771.6	1788.4	1805.2	1780.3	1755.3	1730.2	1704.9	1697.5	1689.9	1689.9
32.5°	1628.0	1659.8	1678.4	1697.2	1674.2	1651.3	1631.2	1611.1	1606.3	1601.4	1602.0
35°	1521.6	1553.1	1575.5	1597.9	1581.6	1565.4	1546.7	1528.3	1520.8	1513.5	1511.9
37.5°	1420.3	1451.7	1479.4	1507.1	1499.6	1492.0	1475.0	1457.9	1444.3	1430.9	1423.7
40°	1324.6	1354.8	1386.7	1418.6	1420.4	1422.2	1407.7	1393.3	1373.6	1354.0	1340.8
42.5°	1236.3	1265.0	1299.4	1333.8	1343.0	1352.2	1340.0	1327.8	1303.4	1279.0	1259.7
45°	1160.4	1187.6	1223.2	1259.0	1272.1	1285.4	1274.3	1263.3	1235.4	1207.6	1184.9
47.5°	1100.3	1126.9	1162.1	1197.3	1212.6	1227.7	1220.1	1212.4	1187.6	1162.8	1141.7
50°	1055.5	1080.7	1112.1	1143.7	1163.3	1182.7	1182.2	1181.9	1162.1	1142.3	1122.9
52.5°	1025.1	1048.1	1077.5	1106.9	1130.1	1153.1	1157.3	1161.4	1145.3	1129.1	1111.8
55°	1005.4	1030.2	1056.0	1081.7	1106.2	1130.8	1136.5	1142.3	1128.2	1114.1	1098.9
57.5°	980.7	1009.9	1035.4	1060.9	1085.6	1110.3	1116.1	1122.0	1107.7	1093.5	1078.4
60°	946.0	979.5	1005.3	1031.3	1056.1	1080.9	1087.3	1093.7	1079.7	1065.9	1050.4
62.5°	896.6	935.6	963.2	990.9	1013.5	1036.3	1042.4	1048.6	1036.1	1023.5	1007.2
65°	840.5	882.4	908.8	935.2	955.2	975.2	981.5	987.8	975.7	963.6	947.8
67.5°	782.9	821.5	846.6	871.6	888.9	906.2	912.4	918.4	907.3	896.3	881.5
70°	724.0	757.9	779.5	801.1	816.7	832.4	838.2	844.2	835.2	826.2	812.0
72.5°	652.2	678.9	698.4	717.9	733.2	748.5	755.5	762.6	755.0	747.5	734.1
75°	567.4	587.3	605.0	622.7	636.6	650.6	657.8	665.2	661.5	657.8	646.6
77.5°	481.3	497.4	512.6	527.9	542.4	557.1	564.0	570.8	565.7	560.4	549.1
80°	384.8	398.2	411.0	423.8	434.9	446.0	455.1	464.2	462.0	459.8	444.5
82.5°	278.2	277.1	272.6	268.1	291.8	315.5	331.1	346.6	345.6	344.5	331.7
85°	167.9	162.1	149.6	137.2	159.4	181.6	200.9	220.1	218.5	216.9	206.8
87.5°	80.5	80.2	70.7	61.2	70.5	79.8	87.6	95.4	93.5	91.4	86.3
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: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	1900.5	1893.7	1900.5	1906.0	1911.4	1917.4	1923.2	1930.9	1938.5	1947.9	1957.2
5°	1780.0	1774.4	1780.0	1785.7	1791.4	1798.8	1806.3	1816.7	1827.2	1842.2	1857.2
7.5°	1708.6	1704.8	1708.6	1713.6	1718.7	1727.2	1735.8	1748.3	1760.7	1778.6	1796.4
10°	1689.7	1688.0	1689.7	1694.0	1698.3	1706.4	1714.5	1728.6	1742.5	1763.9	1785.1
12.5°	1720.6	1720.0	1720.6	1724.3	1727.9	1737.0	1746.0	1764.0	1782.0	1809.2	1836.4
15°	1776.4	1776.0	1776.4	1781.1	1786.0	1798.5	1811.1	1838.4	1865.8	1904.6	1943.3
17.5°	1824.2	1823.2	1824.2	1830.3	1836.4	1855.0	1873.6	1914.0	1954.3	2005.6	2056.9
20°	1848.8	1846.4	1848.8	1856.4	1864.1	1887.8	1911.6	1961.0	2010.5	2069.1	2127.7
22.5°	1846.0	1842.4	1846.0	1854.4	1862.8	1887.9	1913.0	1964.0	2014.8	2070.9	2127.0
25°	1815.1	1810.4	1815.1	1822.9	1830.9	1852.5	1874.3	1919.4	1964.7	2010.5	2056.6
27.5°	1762.0	1760.7	1762.0	1765.6	1769.2	1783.8	1798.4	1833.5	1868.7	1901.3	1934.1
30°	1689.9	1691.1	1689.9	1689.9	1689.9	1697.5	1704.9	1730.2	1755.3	1780.3	1805.2
32.5°	1602.7	1603.9	1602.7	1602.0	1601.4	1606.3	1611.1	1631.2	1651.3	1674.2	1697.2
35°	1510.2	1509.5	1510.2	1511.9	1513.5	1520.8	1528.3	1546.7	1565.4	1581.6	1597.9
37.5°	1416.7	1412.7	1416.7	1423.7	1430.9	1444.3	1457.9	1475.0	1492.0	1499.6	1507.1
40°	1327.6	1319.8	1327.6	1340.8	1354.0	1373.6	1393.3	1407.7	1422.2	1420.4	1418.6
42.5°	1240.4	1227.7	1240.4	1259.7	1279.0	1303.4	1327.8	1340.0	1352.2	1343.0	1333.8
45°	1162.2	1147.7	1162.2	1184.9	1207.6	1235.4	1263.3	1274.3	1285.4	1272.1	1259.0
47.5°	1120.9	1106.9	1120.9	1141.7	1162.8	1187.6	1212.4	1220.1	1227.7	1212.6	1197.3
50°	1103.5	1090.1	1103.5	1122.9	1142.3	1162.1	1181.9	1182.2	1182.7	1163.3	1143.7
52.5°	1094.5	1082.1	1094.5	1111.8	1129.1	1145.3	1161.4	1157.3	1153.1	1130.1	1106.9
55°	1083.6	1072.5	1083.6	1098.9	1114.1	1128.2	1142.3	1136.5	1130.8	1106.2	1081.7
57.5°	1063.2	1051.6	1063.2	1078.4	1093.5	1107.7	1122.0	1116.1	1110.3	1085.6	1060.9
60°	1034.8	1022.8	1034.8	1050.4	1065.9	1079.7	1093.7	1087.3	1080.9	1056.1	1031.3
62.5°	990.9	976.4	990.9	1007.2	1023.5	1036.1	1048.6	1042.4	1036.3	1013.5	990.9
65°	932.0	919.6	932.0	947.8	963.6	975.7	987.8	981.5	975.2	955.2	935.2
67.5°	866.7	855.6	866.7	881.5	896.3	907.3	918.4	912.4	906.2	888.9	871.6
70°	798.0	785.2	798.0	812.0	826.2	835.2	844.2	838.2	832.4	816.7	801.1
72.5°	720.7	708.3	720.7	734.1	747.5	755.0	762.6	755.5	748.5	733.2	717.9
75°	635.3	623.5	635.3	646.6	657.8	661.5	665.2	657.8	650.6	636.6	622.7
77.5°	537.7	528.3	537.7	549.1	560.4	565.7	570.8	564.0	557.1	542.4	527.9
80°	429.2	411.3	429.2	444.5	459.8	462.0	464.2	455.1	446.0	434.9	423.8
82.5°	318.7	307.3	318.7	331.7	344.5	345.6	346.6	331.1	315.5	291.8	268.1
85°	196.7	186.4	196.7	206.8	216.9	218.5	220.1	200.9	181.6	159.4	137.2
87.5°	81.0	76.1	81.0	86.3	91.4	93.5	95.4	87.6	79.8	70.5	61.2
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: P965524  
 CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	1969.3	1981.5	1993.6	2005.7	2019.5	2033.3	2048.6	2063.9	2082.9	2100.0	2117.5
5°	1876.8	1896.2	1917.7	1939.1	1963.4	1987.7	2016.7	2045.7	2078.9	2112.5	2148.2
7.5°	1820.2	1844.0	1871.0	1898.0	1930.1	1962.1	2000.6	2039.1	2082.1	2128.0	2177.7
10°	1812.0	1838.8	1868.0	1897.0	1929.0	1961.0	2001.7	2042.3	2088.5	2145.1	2204.1
12.5°	1864.1	1891.8	1914.6	1937.5	1958.7	1979.9	2013.1	2046.3	2089.4	2148.8	2215.3
15°	1967.4	1991.5	1997.3	2003.3	2000.4	1997.5	2013.4	2029.3	2063.7	2129.5	2206.6
17.5°	2076.2	2095.7	2077.3	2058.7	2023.8	1988.9	1983.1	1977.2	1998.4	2075.9	2168.6
20°	2136.8	2145.7	2106.9	2068.1	2007.5	1946.9	1919.6	1892.5	1898.0	1988.2	2103.0
22.5°	2121.5	2116.1	2065.7	2015.2	1945.9	1876.7	1836.4	1796.1	1785.1	1887.8	2026.1
25°	2038.0	2019.5	1969.7	1920.0	1857.8	1795.6	1749.2	1702.7	1673.1	1778.4	1940.2
27.5°	1913.4	1892.7	1852.8	1812.9	1761.9	1710.7	1665.9	1621.1	1585.1	1680.9	1861.7
30°	1788.4	1771.6	1738.4	1705.4	1663.0	1620.5	1584.9	1549.3	1521.1	1601.5	1796.1
32.5°	1678.4	1659.8	1628.0	1596.3	1562.4	1528.5	1507.5	1486.5	1473.8	1538.7	1739.5
35°	1575.5	1553.1	1521.6	1490.2	1464.5	1438.6	1432.7	1427.0	1432.2	1486.2	1683.9
37.5°	1479.4	1451.7	1420.3	1389.0	1370.5	1352.0	1358.3	1364.8	1383.9	1431.0	1618.4
40°	1386.7	1354.8	1324.6	1294.4	1280.9	1267.6	1282.1	1296.6	1325.8	1368.6	1540.3
42.5°	1299.4	1265.0	1236.3	1207.6	1196.6	1185.7	1204.9	1224.2	1261.0	1300.4	1454.1
45°	1223.2	1187.6	1160.4	1133.1	1123.8	1114.7	1133.3	1152.1	1187.8	1227.7	1362.5
47.5°	1162.1	1126.9	1100.3	1073.7	1065.1	1056.5	1072.1	1087.8	1118.5	1170.1	1290.1
50°	1112.1	1080.7	1055.5	1030.4	1016.9	1003.5	1017.3	1031.3	1066.9	1134.8	1242.0
52.5°	1077.5	1048.1	1025.1	1002.0	981.8	961.7	975.3	989.1	1038.8	1116.9	1210.3
55°	1056.0	1030.2	1005.4	980.6	951.9	923.2	944.9	966.7	1041.7	1114.3	1187.4
57.5°	1035.4	1009.9	980.7	951.6	920.8	889.8	921.6	953.2	1044.5	1108.5	1160.1
60°	1005.3	979.5	946.0	912.6	885.5	858.3	899.5	940.5	1035.7	1077.9	1118.5
62.5°	963.2	935.6	896.6	857.6	840.4	823.2	874.4	925.9	1014.0	1019.3	1046.1
65°	908.8	882.4	840.5	798.8	792.2	785.6	840.2	894.8	962.1	961.3	974.2
67.5°	846.6	821.5	782.9	744.4	746.4	748.5	794.0	839.4	877.2	878.9	871.9
70°	779.5	757.9	724.0	690.0	697.3	704.5	736.8	769.2	781.6	781.6	748.7
72.5°	698.4	678.9	652.2	625.5	636.0	646.6	668.7	690.8	690.7	682.9	636.2
75°	605.0	587.3	567.4	547.6	557.8	567.8	585.0	602.0	605.1	568.9	516.6
77.5°	512.6	497.4	481.3	465.1	475.4	485.6	499.4	513.0	514.7	455.0	404.2
80°	411.0	398.2	384.8	371.4	380.0	388.6	400.1	411.5	411.7	340.5	297.6
82.5°	272.6	277.1	278.2	279.3	285.4	291.5	297.0	302.7	299.3	238.5	206.8
85°	149.6	162.1	167.9	173.6	180.5	187.3	193.3	199.3	194.9	149.6	126.5
87.5°	70.7	80.2	80.5	80.7	82.0	83.2	85.6	88.0	82.4	63.7	54.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P965524

CATALOG NUMBER: NAV-SB4A-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8	2085.8
2.5°	2135.2	2153.6	2172.0	2190.2	2208.6	2225.8	2243.0
5°	2183.8	2221.9	2260.0	2297.9	2335.9	2373.9	2411.8
7.5°	2227.4	2283.8	2340.3	2398.2	2456.1	2518.8	2581.6
10°	2262.8	2331.4	2399.8	2476.4	2553.0	2632.3	2711.6
12.5°	2281.9	2362.6	2443.5	2530.2	2617.0	2704.1	2791.3
15°	2283.6	2376.7	2469.7	2563.8	2657.9	2748.8	2839.7
17.5°	2261.1	2369.2	2477.2	2579.9	2682.6	2774.8	2866.8
20°	2217.8	2348.7	2479.7	2592.5	2705.4	2801.1	2896.9
22.5°	2164.3	2323.6	2482.9	2609.4	2736.0	2833.9	2931.7
25°	2102.2	2298.8	2495.5	2640.2	2784.8	2880.7	2976.5
27.5°	2042.5	2282.2	2521.9	2688.3	2854.4	2946.0	3037.4
30°	1990.7	2274.5	2558.1	2750.4	2942.8	3031.0	3119.4
32.5°	1940.2	2264.8	2589.4	2815.4	3041.4	3128.7	3216.2
35°	1881.5	2246.8	2612.2	2889.3	3166.3	3250.2	3333.9
37.5°	1805.7	2215.7	2625.8	2972.1	3318.4	3425.2	3531.9
40°	1712.0	2173.1	2634.4	3077.3	3520.2	3675.8	3831.3
42.5°	1607.7	2129.1	2650.6	3214.9	3779.1	4003.6	4228.2
45°	1497.3	2088.2	2679.1	3395.9	4112.6	4415.6	4718.5
47.5°	1410.1	2054.4	2698.8	3588.8	4478.7	4905.2	5331.5
50°	1349.2	2017.6	2686.0	3767.8	4849.5	5492.4	6135.1
52.5°	1303.8	1955.4	2607.2	3883.9	5160.7	6109.1	7057.5
55°	1260.4	1852.4	2444.3	3858.3	5272.3	6655.9	8039.6
57.5°	1211.8	1707.0	2202.2	3678.1	5154.1	7043.4	8932.8
60°	1159.1	1518.2	1877.5	3342.7	4807.9	7140.3	9472.6
62.5°	1073.1	1292.4	1511.7	2889.2	4266.6	6732.5	9198.5
65°	986.9	1089.2	1191.6	2426.4	3661.2	6155.5	8649.9
67.5°	864.8	893.9	923.0	1973.0	3023.1	5468.9	7914.7
70°	715.7	707.5	699.2	1553.5	2407.8	4719.7	7031.5
72.5°	589.5	564.4	539.3	1187.7	1836.0	3907.5	5979.0
75°	464.2	441.5	418.7	862.0	1305.2	2976.4	4647.7
77.5°	353.3	337.8	322.4	584.1	845.8	2083.2	3320.7
80°	254.5	248.2	241.7	376.3	511.1	1342.2	2173.4
82.5°	175.1	173.8	172.7	231.4	290.4	776.8	1263.3
85°	103.2	103.9	104.4	123.7	143.1	349.4	555.9
87.5°	44.7	45.2	45.8	51.4	56.8	114.5	172.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)