

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: P964160

Luminaire Tested: **NAV-SB3B-827-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964160
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-SB3B-827-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 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: 15005 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

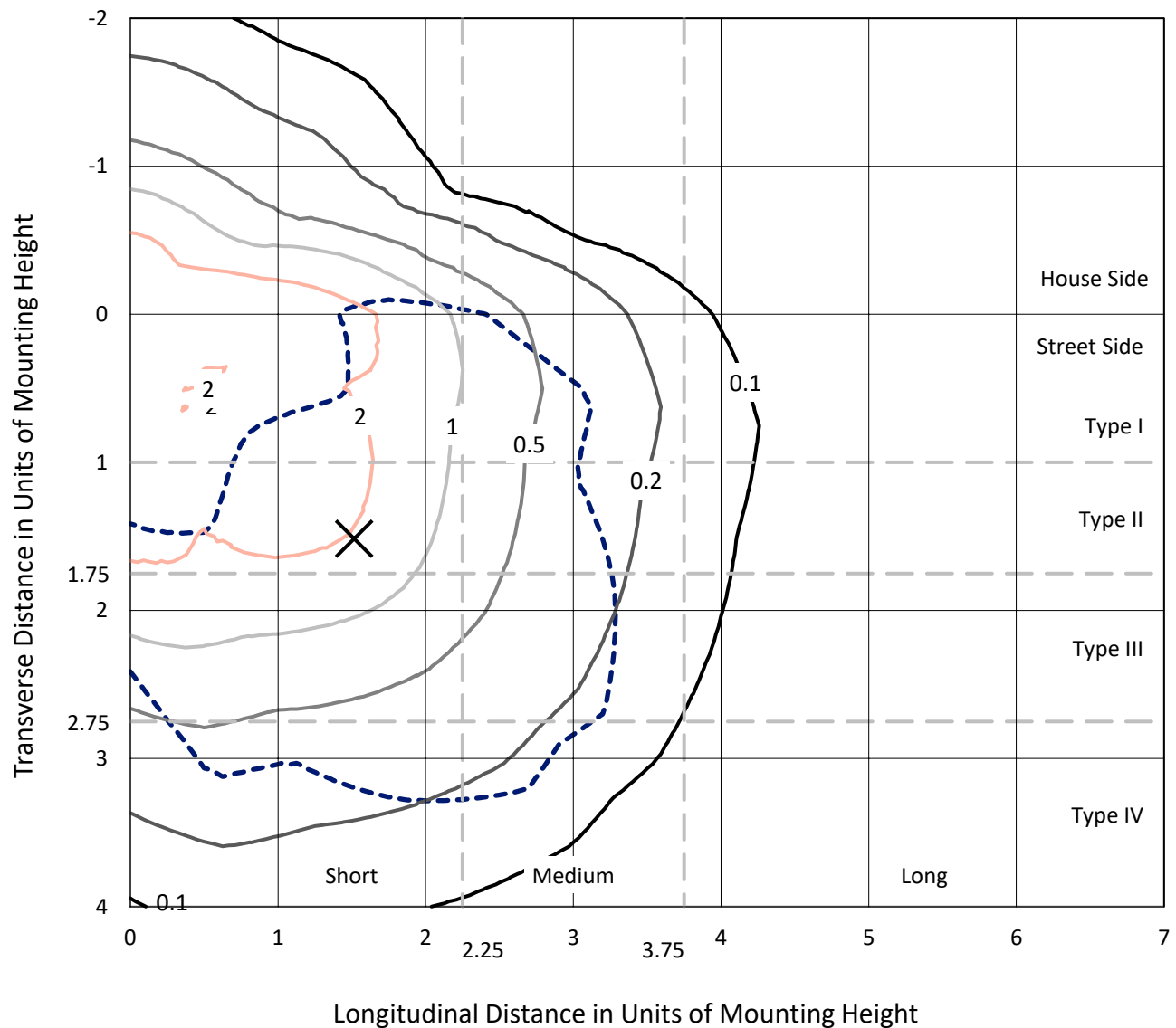
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

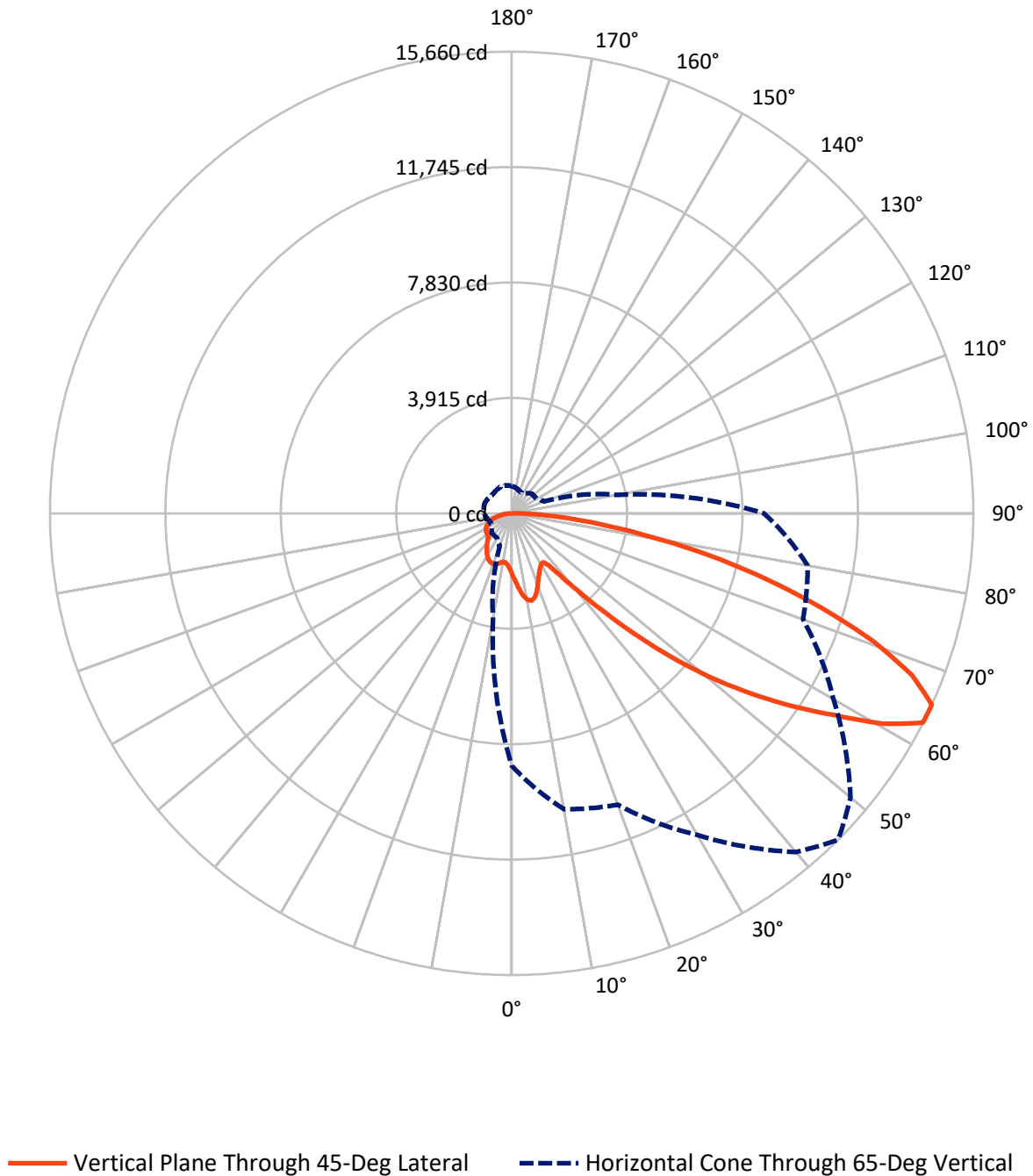
× Max cd
 - - - 1/2 Max cd



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3813.5	0.0	3813.5
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	11191.5	0.0	11191.5
	% Fixture	74.6	0.0	74.6
Total	Lumens	15005.0	0.0	15005.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.7	1.4
10°-20°	642.5	4.3
20°-30°	992.5	6.6
30°-40°	1257.7	8.4
40°-50°	1897.0	12.6
50°-60°	3064.8	20.4
60°-70°	3820.8	25.5
70°-80°	2505.5	16.7
80°-90°	619.4	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°	15005.0	100.0
0°-180°	15005.0	100.0

Coefficient of Utilization



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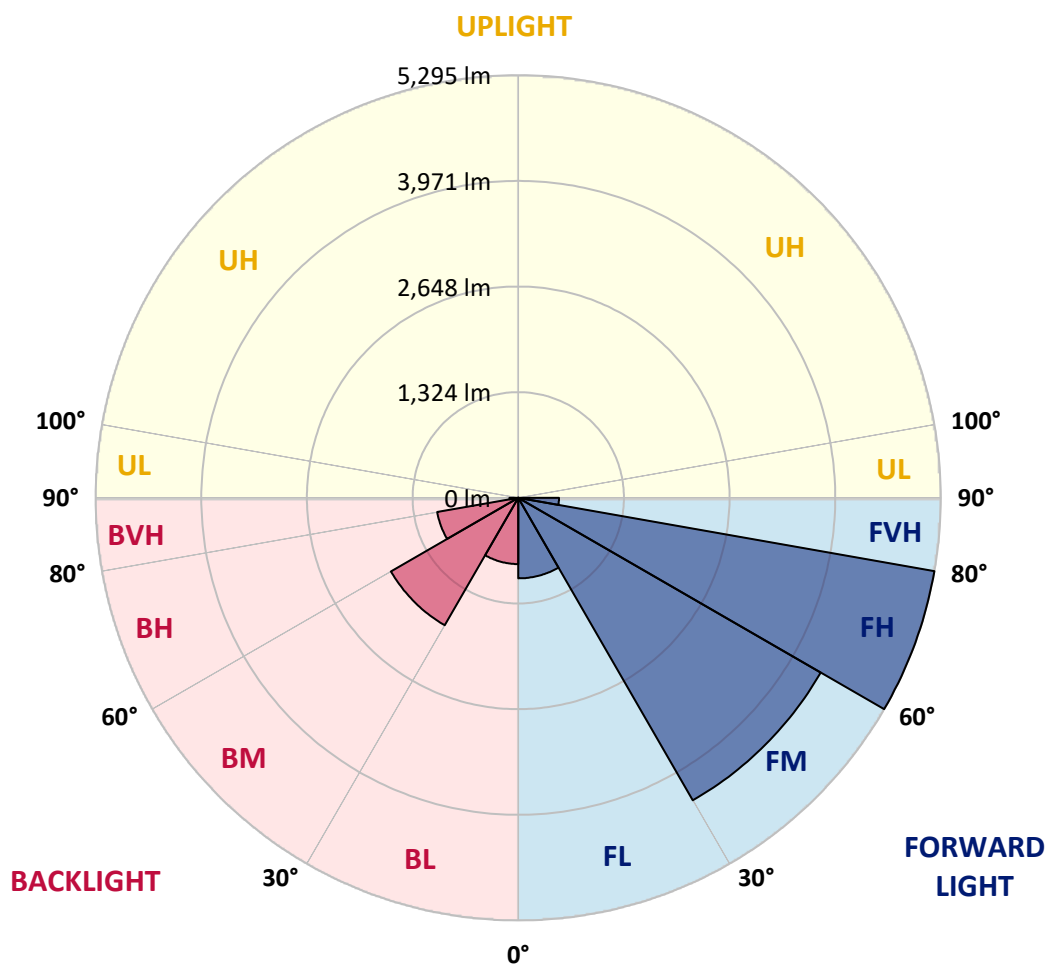
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1009.3	6.7			
FM	(30°-60°)	4376.6	29.2			
FH	(60°-80°)	5295.3	35.3			G3/7500
FVH	(80°-90°)	510.3	3.4			G4/750
BL	(0°-30°)	830.4	5.5	B2/1000		
BM	(30°-60°)	1842.9	12.3	B2/2500		
BH	(60°-80°)	1031.0	6.9	B3/2500		G3/2500
BVH	(80°-90°)	109.2	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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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	2218.9	2227.3	2235.7	2247.7	2259.7	2266.8	2274.0	2277.4	2281.0	2279.5	2281.0
5°	2386.0	2415.3	2444.8	2473.9	2503.2	2518.9	2534.8	2544.4	2554.0	2561.4	2554.0
7.5°	2553.8	2601.7	2649.4	2692.4	2735.3	2761.2	2787.2	2801.1	2815.1	2821.8	2815.1
10°	2682.4	2739.0	2795.5	2845.9	2896.4	2927.0	2957.3	2971.0	2984.5	2989.6	2984.5
12.5°	2761.2	2822.5	2883.7	2929.3	2974.8	2997.0	3019.1	3026.5	3034.0	3034.8	3034.0
15°	2809.1	2862.0	2914.9	2943.4	2972.1	2972.9	2973.6	2965.7	2957.8	2948.5	2957.8
17.5°	2836.1	2871.7	2907.5	2908.0	2908.5	2876.5	2844.4	2815.0	2785.5	2764.8	2785.5
20°	2865.8	2878.2	2890.7	2853.1	2815.5	2744.7	2673.9	2622.4	2570.8	2539.1	2570.8
22.5°	2900.2	2883.8	2867.5	2789.6	2711.7	2607.6	2503.6	2439.1	2374.6	2339.7	2374.6
25°	2944.5	2893.1	2841.6	2723.3	2605.0	2478.6	2352.2	2284.4	2216.8	2183.7	2216.8
27.5°	3004.7	2912.7	2820.6	2664.0	2507.4	2367.2	2227.0	2160.4	2093.8	2062.5	2093.8
30°	3085.9	2948.6	2811.5	2618.7	2425.8	2279.8	2133.7	2071.9	2010.1	1981.0	2010.1
32.5°	3181.7	2993.8	2805.9	2587.8	2369.6	2232.3	2095.1	2046.6	1998.0	1977.0	1998.0
35°	3298.0	3068.1	2838.3	2610.9	2383.5	2288.2	2193.0	2181.7	2170.3	2168.6	2170.3
37.5°	3494.0	3223.5	2953.1	2746.5	2539.7	2533.6	2527.4	2579.2	2631.0	2657.9	2631.0
40°	3790.1	3496.0	3201.9	3048.1	2894.5	3002.9	3111.4	3237.4	3363.2	3426.0	3363.2
42.5°	4182.8	3891.0	3599.2	3510.6	3422.2	3658.7	3895.3	4124.3	4353.3	4487.7	4353.3
45°	4667.7	4405.7	4143.5	4104.4	4065.3	4444.3	4823.3	5199.6	5575.9	5804.4	5575.9
47.5°	5274.2	5019.2	4764.1	4756.2	4748.3	5295.0	5841.7	6392.5	6943.2	7266.7	6943.2
50°	6069.2	5754.1	5439.2	5440.5	5441.9	6146.5	6851.2	7578.2	8305.4	8744.9	8305.4
52.5°	6981.7	6600.2	6218.9	6180.2	6141.6	6983.3	7825.1	8724.7	9624.1	10151.1	9624.1
55°	7953.2	7576.3	7199.4	7049.0	6898.8	7835.5	8772.3	9844.7	10917.1	11543.8	10917.1
57.5°	8836.7	8631.5	8426.2	8124.7	7823.2	8769.1	9714.9	10929.7	12144.3	12921.5	12144.3
60°	9370.9	9689.5	10008.4	9633.9	9259.4	10154.6	11049.7	12350.2	13650.8	14490.7	13650.8
62.5°	9099.6	9970.7	10841.6	10799.5	10757.2	11577.2	12397.3	13634.7	14871.9	15648.3	14871.9
65°	8556.9	9374.3	10191.9	10353.6	10515.3	11557.4	12599.6	13799.4	14999.1	15660.2	14999.1
67.5°	7829.7	8607.1	9384.7	9460.5	9536.3	10622.1	11707.9	12912.8	14117.7	14635.6	14117.7
70°	6956.0	7801.7	8647.4	8681.2	8715.3	9686.2	10657.1	11694.1	12731.0	13018.8	12731.0
72.5°	5914.8	6885.2	7855.8	7880.2	7904.5	8664.2	9423.8	10200.5	10977.0	11006.1	10977.0
75°	4597.7	5602.1	6606.5	6696.7	6786.9	7377.9	7969.0	8515.7	9062.4	8916.0	9062.4
77.5°	3285.0	4222.6	5160.3	5289.3	5418.4	5867.7	6317.0	6704.7	7092.6	6840.7	7092.6
80°	2150.0	2938.9	3727.6	3888.0	4048.4	4387.7	4726.9	4930.6	5134.1	4729.1	5134.1
82.5°	1249.8	1789.0	2328.4	2507.6	2686.8	2920.4	3153.9	3238.9	3323.8	3005.5	3323.8
85°	549.9	836.1	1122.3	1274.7	1427.1	1619.1	1810.9	1859.1	1907.3	1652.4	1907.3
87.5°	170.3	266.4	362.6	447.6	532.7	628.6	724.6	728.8	732.8	615.2	732.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	2277.4	2274.0	2266.8	2259.7	2247.7	2235.7	2227.3	2218.9	2201.9	2184.9	2166.7
5°	2544.4	2534.8	2518.9	2503.2	2473.9	2444.8	2415.3	2386.0	2348.4	2310.8	2273.2
7.5°	2801.1	2787.2	2761.2	2735.3	2692.4	2649.4	2601.7	2553.8	2491.8	2429.8	2372.5
10°	2971.0	2957.3	2927.0	2896.4	2845.9	2795.5	2739.0	2682.4	2604.0	2525.5	2449.8
12.5°	3026.5	3019.1	2997.0	2974.8	2929.3	2883.7	2822.5	2761.2	2675.0	2588.8	2503.0
15°	2965.7	2973.6	2972.9	2972.1	2943.4	2914.9	2862.0	2809.1	2719.3	2629.4	2536.3
17.5°	2815.0	2844.4	2876.5	2908.5	2908.0	2907.5	2871.7	2836.1	2745.0	2653.8	2552.2
20°	2622.4	2673.9	2744.7	2815.5	2853.1	2890.7	2878.2	2865.8	2771.1	2676.3	2564.7
22.5°	2439.1	2503.6	2607.6	2711.7	2789.6	2867.5	2883.8	2900.2	2803.5	2706.6	2581.5
25°	2284.4	2352.2	2478.6	2605.0	2723.3	2841.6	2893.1	2944.5	2849.7	2754.9	2611.8
27.5°	2160.4	2227.0	2367.2	2507.4	2664.0	2820.6	2912.7	3004.7	2914.3	2823.8	2659.4
30°	2071.9	2133.7	2279.8	2425.8	2618.7	2811.5	2948.6	3085.9	2998.4	2911.1	2720.9
32.5°	2046.6	2095.1	2232.3	2369.6	2587.8	2805.9	2993.8	3181.7	3095.1	3008.7	2785.0
35°	2181.7	2193.0	2288.2	2383.5	2610.9	2838.3	3068.1	3298.0	3215.2	3132.3	2858.2
37.5°	2579.2	2527.4	2533.6	2539.7	2746.5	2953.1	3223.5	3494.0	3388.4	3282.8	2940.2
40°	3237.4	3111.4	3002.9	2894.5	3048.1	3201.9	3496.0	3790.1	3636.2	3482.3	3044.2
42.5°	4124.3	3895.3	3658.7	3422.2	3510.6	3599.2	3891.0	4182.8	3960.7	3738.5	3180.4
45°	5199.6	4823.3	4444.3	4065.3	4104.4	4143.5	4405.7	4667.7	4368.1	4068.4	3359.4
47.5°	6392.5	5841.7	5295.0	4748.3	4756.2	4764.1	5019.2	5274.2	4852.6	4430.7	3550.2
50°	7578.2	6851.2	6146.5	5441.9	5440.5	5439.2	5754.1	6069.2	5433.3	4797.4	3727.3
52.5°	8724.7	7825.1	6983.3	6141.6	6180.2	6218.9	6600.2	6981.7	6043.5	5105.2	3842.2
55°	9844.7	8772.3	7835.5	6898.8	7049.0	7199.4	7576.3	7953.2	6584.4	5215.7	3816.9
57.5°	10929.7	9714.9	8769.1	7823.2	8124.7	8426.2	8631.5	8836.7	6967.7	5098.8	3638.5
60°	12350.2	11049.7	10154.6	9259.4	9633.9	10008.4	9689.5	9370.9	7063.6	4756.2	3306.8
62.5°	13634.7	12397.3	11577.2	10757.2	10799.5	10841.6	9970.7	9099.6	6660.1	4220.6	2858.1
65°	13799.4	12599.6	11557.4	10515.3	10353.6	10191.9	9374.3	8556.9	6089.4	3621.8	2400.2
67.5°	12912.8	11707.9	10622.1	9536.3	9460.5	9384.7	8607.1	7829.7	5410.2	2990.6	1951.8
70°	11694.1	10657.1	9686.2	8715.3	8681.2	8647.4	7801.7	6956.0	4669.0	2382.0	1536.8
72.5°	10200.5	9423.8	8664.2	7904.5	7880.2	7855.8	6885.2	5914.8	3865.5	1816.3	1174.9
75°	8515.7	7969.0	7377.9	6786.9	6696.7	6606.5	5602.1	4597.7	2944.4	1291.2	852.7
77.5°	6704.7	6317.0	5867.7	5418.4	5289.3	5160.3	4222.6	3285.0	2060.9	836.7	577.8
80°	4930.6	4726.9	4387.7	4048.4	3888.0	3727.6	2938.9	2150.0	1327.8	505.5	372.3
82.5°	3238.9	3153.9	2920.4	2686.8	2507.6	2328.4	1789.0	1249.8	768.4	287.2	229.0
85°	1859.1	1810.9	1619.1	1427.1	1274.7	1122.3	836.1	549.9	345.6	141.6	122.4
87.5°	728.8	724.6	628.6	532.7	447.6	362.6	266.4	170.3	113.3	56.2	50.7
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°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	2148.7	2130.5	2112.2	2094.8	2077.4	2060.6	2041.8	2026.5	2011.5	1997.7	1984.1
5°	2235.7	2198.0	2160.3	2125.0	2089.9	2056.6	2023.8	1995.1	1966.4	1942.3	1918.3
7.5°	2315.1	2259.3	2203.4	2154.2	2105.1	2059.7	2017.2	1979.1	1940.9	1909.3	1877.7
10°	2374.1	2306.4	2238.5	2180.4	2122.1	2066.1	2020.4	1980.2	1939.9	1908.2	1876.6
12.5°	2417.3	2337.3	2257.3	2191.4	2125.7	2066.9	2024.4	1991.5	1958.7	1937.6	1916.6
15°	2443.2	2351.1	2259.0	2182.8	2106.7	2041.5	2007.5	1991.8	1976.1	1978.9	1981.7
17.5°	2450.7	2343.8	2236.9	2145.2	2053.7	1977.0	1956.0	1961.8	1967.5	2002.0	2036.6
20°	2453.0	2323.5	2193.9	2080.4	1966.9	1877.7	1872.1	1899.0	1926.0	1985.8	2045.9
22.5°	2456.2	2298.7	2141.0	2004.3	1867.5	1766.0	1776.8	1816.7	1856.5	1925.0	1993.5
25°	2468.7	2274.1	2079.5	1919.4	1759.3	1655.2	1684.5	1730.4	1776.3	1837.8	1899.4
27.5°	2494.8	2257.7	2020.6	1841.7	1662.9	1568.0	1603.7	1648.0	1692.4	1743.0	1793.4
30°	2530.6	2250.0	1969.2	1776.7	1584.3	1504.7	1532.7	1567.8	1603.1	1645.1	1687.0
32.5°	2561.5	2240.5	1919.4	1720.8	1522.1	1458.1	1470.5	1491.3	1512.1	1545.6	1579.1
35°	2584.1	2222.6	1861.3	1665.7	1470.3	1416.9	1411.7	1417.4	1423.2	1448.7	1474.3
37.5°	2597.6	2192.0	1786.4	1601.0	1415.6	1369.0	1350.1	1343.8	1337.4	1355.8	1374.1
40°	2606.1	2149.7	1693.6	1523.8	1353.9	1311.6	1282.7	1268.3	1254.0	1267.2	1280.4
42.5°	2622.2	2106.3	1590.5	1438.5	1286.5	1247.4	1211.0	1192.0	1173.0	1183.8	1194.6
45°	2650.4	2065.8	1481.2	1347.9	1214.5	1175.0	1139.7	1121.2	1102.8	1111.8	1120.9
47.5°	2669.8	2032.4	1394.9	1276.2	1157.5	1106.5	1076.1	1060.7	1045.1	1053.7	1062.1
50°	2657.1	1996.0	1334.8	1228.7	1122.6	1055.4	1020.2	1006.4	992.7	1006.0	1019.4
52.5°	2579.1	1934.4	1289.8	1197.3	1104.8	1027.7	978.5	964.8	951.3	971.3	991.3
55°	2418.0	1832.4	1246.8	1174.5	1102.3	1030.4	956.3	934.7	913.3	941.7	970.1
57.5°	2178.5	1688.7	1198.7	1147.7	1096.5	1033.2	943.0	911.6	880.3	910.8	941.4
60°	1857.3	1501.9	1146.7	1106.5	1066.3	1024.5	930.5	889.8	849.1	876.0	902.7
62.5°	1495.5	1278.5	1061.6	1034.9	1008.3	1003.2	915.9	865.1	814.4	831.4	848.4
65°	1178.8	1077.5	976.2	963.6	951.1	951.7	885.2	831.2	777.2	783.7	790.2
67.5°	913.1	884.3	855.5	862.5	869.5	867.8	830.4	785.5	740.5	738.4	736.4
70°	691.6	699.9	708.0	740.6	773.2	773.2	760.9	728.9	696.9	689.8	682.6
72.5°	533.5	558.3	583.1	629.3	675.5	683.3	683.5	661.5	639.6	629.1	618.8
75°	414.2	436.8	459.2	511.0	562.8	598.6	595.5	578.7	561.7	551.8	541.7
77.5°	318.9	334.2	349.5	399.9	450.1	509.1	507.5	493.9	480.4	470.3	460.1
80°	239.1	245.5	251.7	294.4	336.9	407.3	407.1	395.8	384.4	376.0	367.4
82.5°	170.9	172.0	173.2	204.6	236.0	296.1	299.4	293.9	288.3	282.4	276.3
85°	103.3	102.8	102.1	125.0	148.0	192.8	197.1	191.2	185.3	178.6	171.8
87.5°	45.3	44.7	44.2	53.5	62.9	81.6	87.1	84.8	82.3	81.1	79.8
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: P964160

CATALOG NUMBER: NAV-SB3B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	1972.2	1960.2	1948.2	1936.2	1927.0	1917.7	1910.1	1902.6	1896.8	1890.9	1885.5
5°	1897.1	1875.9	1856.6	1837.3	1822.4	1807.6	1797.2	1786.9	1779.5	1772.1	1766.5
7.5°	1850.9	1824.2	1800.6	1777.1	1759.4	1741.9	1729.5	1717.2	1708.7	1700.3	1695.2
10°	1847.9	1819.1	1792.5	1766.0	1745.0	1723.8	1710.0	1696.1	1688.1	1680.1	1675.9
12.5°	1894.0	1871.5	1844.1	1816.7	1789.8	1762.8	1745.1	1727.2	1718.3	1709.4	1705.8
15°	1975.9	1970.0	1946.2	1922.4	1884.1	1845.7	1818.7	1791.6	1779.2	1766.8	1762.1
17.5°	2054.9	2073.2	2054.0	2034.8	1984.1	1933.4	1893.4	1853.5	1835.2	1816.7	1810.7
20°	2084.3	2122.7	2113.9	2104.8	2046.8	1988.9	1939.9	1891.1	1867.5	1844.0	1836.5
22.5°	2043.4	2093.4	2098.8	2104.1	2048.7	1993.2	1942.9	1892.5	1867.7	1842.8	1834.5
25°	1948.6	1997.7	2016.2	2034.4	1989.0	1943.6	1898.8	1854.1	1832.6	1811.2	1803.3
27.5°	1832.9	1872.4	1892.8	1913.3	1880.9	1848.6	1813.8	1779.1	1764.6	1750.2	1746.6
30°	1719.7	1752.5	1769.2	1785.8	1761.2	1736.5	1711.6	1686.6	1679.3	1671.8	1671.8
32.5°	1610.5	1641.9	1660.4	1679.0	1656.3	1633.5	1613.7	1593.8	1589.0	1584.1	1584.8
35°	1505.3	1536.4	1558.6	1580.8	1564.6	1548.5	1530.1	1511.9	1504.5	1497.2	1495.6
37.5°	1405.1	1436.1	1463.5	1490.9	1483.5	1476.0	1459.1	1442.2	1428.8	1415.5	1408.5
40°	1310.4	1340.3	1371.8	1403.4	1405.2	1406.9	1392.7	1378.3	1358.8	1339.5	1326.4
42.5°	1222.9	1251.3	1285.5	1319.5	1328.6	1337.6	1325.5	1313.5	1289.3	1265.3	1246.1
45°	1147.9	1174.9	1210.1	1245.5	1258.5	1271.5	1260.6	1249.8	1222.1	1194.6	1172.2
47.5°	1088.6	1114.8	1149.6	1184.5	1199.6	1214.5	1206.9	1199.4	1174.9	1150.3	1129.6
50°	1044.3	1069.1	1100.2	1131.4	1150.8	1170.0	1169.6	1169.2	1149.6	1130.0	1110.8
52.5°	1014.0	1036.8	1065.9	1095.0	1117.9	1140.7	1144.9	1149.0	1133.0	1117.0	1099.8
55°	994.6	1019.2	1044.7	1070.1	1094.3	1118.6	1124.3	1130.0	1116.0	1102.1	1087.1
57.5°	970.3	999.1	1024.2	1049.5	1073.9	1098.3	1104.1	1109.9	1095.8	1081.7	1066.8
60°	935.8	968.9	994.6	1020.2	1044.7	1069.3	1075.6	1081.9	1068.2	1054.4	1039.1
62.5°	886.9	925.6	952.8	980.2	1002.7	1025.2	1031.3	1037.4	1024.9	1012.5	996.3
65°	831.5	872.9	899.0	925.2	944.9	964.7	971.0	977.2	965.2	953.2	937.6
67.5°	774.5	812.7	837.5	862.2	879.3	896.5	902.5	908.6	897.5	886.6	872.1
70°	716.3	749.8	771.2	792.5	808.0	823.4	829.3	835.2	826.2	817.2	803.3
72.5°	645.2	671.6	690.8	710.2	725.3	740.5	747.4	754.4	746.9	739.5	726.2
75°	561.4	581.0	598.5	616.0	629.8	643.5	650.8	658.2	654.5	650.8	639.7
77.5°	476.1	492.1	507.2	522.1	536.7	551.0	557.9	564.7	559.6	554.4	543.1
80°	380.7	393.9	406.5	419.2	430.2	441.2	450.2	459.2	457.0	454.9	439.7
82.5°	275.2	274.1	269.7	265.3	288.6	312.1	327.5	342.9	341.8	340.8	328.1
85°	166.2	160.3	148.0	135.8	157.7	179.7	198.7	217.7	216.2	214.5	204.6
87.5°	79.5	79.3	70.0	60.6	69.8	79.0	86.7	94.4	92.5	90.4	85.4
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: P964160

CATALOG NUMBER: NAV-SB3B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	1880.1	1873.3	1880.1	1885.5	1890.9	1896.8	1902.6	1910.1	1917.7	1927.0	1936.2
5°	1760.8	1755.3	1760.8	1766.5	1772.1	1779.5	1786.9	1797.2	1807.6	1822.4	1837.3
7.5°	1690.2	1686.4	1690.2	1695.2	1700.3	1708.7	1717.2	1729.5	1741.9	1759.4	1777.1
10°	1671.6	1669.8	1671.6	1675.9	1680.1	1688.1	1696.1	1710.0	1723.8	1745.0	1766.0
12.5°	1702.1	1701.5	1702.1	1705.8	1709.4	1718.3	1727.2	1745.1	1762.8	1789.8	1816.7
15°	1757.3	1757.0	1757.3	1762.1	1766.8	1779.2	1791.6	1818.7	1845.7	1884.1	1922.4
17.5°	1804.6	1803.6	1804.6	1810.7	1816.7	1835.2	1853.5	1893.4	1933.4	1984.1	2034.8
20°	1828.9	1826.6	1828.9	1836.5	1844.0	1867.5	1891.1	1939.9	1988.9	2046.8	2104.8
22.5°	1826.1	1822.7	1826.1	1834.5	1842.8	1867.7	1892.5	1942.9	1993.2	2048.7	2104.1
25°	1795.5	1791.0	1795.5	1803.3	1811.2	1832.6	1854.1	1898.8	1943.6	1989.0	2034.4
27.5°	1743.0	1741.9	1743.0	1746.6	1750.2	1764.6	1779.1	1813.8	1848.6	1880.9	1913.3
30°	1671.8	1673.0	1671.8	1671.8	1671.8	1679.3	1686.6	1711.6	1736.5	1761.2	1785.8
32.5°	1585.5	1586.7	1585.5	1584.8	1584.1	1589.0	1593.8	1613.7	1633.5	1656.3	1679.0
35°	1494.0	1493.2	1494.0	1495.6	1497.2	1504.5	1511.9	1530.1	1548.5	1564.6	1580.8
37.5°	1401.4	1397.5	1401.4	1408.5	1415.5	1428.8	1442.2	1459.1	1476.0	1483.5	1490.9
40°	1313.3	1305.6	1313.3	1326.4	1339.5	1358.8	1378.3	1392.7	1406.9	1405.2	1403.4
42.5°	1227.0	1214.5	1227.0	1246.1	1265.3	1289.3	1313.5	1325.5	1337.6	1328.6	1319.5
45°	1149.7	1135.4	1149.7	1172.2	1194.6	1222.1	1249.8	1260.6	1271.5	1258.5	1245.5
47.5°	1108.8	1095.0	1108.8	1129.6	1150.3	1174.9	1199.4	1206.9	1214.5	1199.6	1184.5
50°	1091.6	1078.4	1091.6	1110.8	1130.0	1149.6	1169.2	1169.6	1170.0	1150.8	1131.4
52.5°	1082.7	1070.4	1082.7	1099.8	1117.0	1133.0	1149.0	1144.9	1140.7	1117.9	1095.0
55°	1072.0	1061.0	1072.0	1087.1	1102.1	1116.0	1130.0	1124.3	1118.6	1094.3	1070.1
57.5°	1051.9	1040.4	1051.9	1066.8	1081.7	1095.8	1109.9	1104.1	1098.3	1073.9	1049.5
60°	1023.8	1011.9	1023.8	1039.1	1054.4	1068.2	1081.9	1075.6	1069.3	1044.7	1020.2
62.5°	980.2	966.0	980.2	996.3	1012.5	1024.9	1037.4	1031.3	1025.2	1002.7	980.2
65°	922.0	909.7	922.0	937.6	953.2	965.2	977.2	971.0	964.7	944.9	925.2
67.5°	857.5	846.3	857.5	872.1	886.6	897.5	908.6	902.5	896.5	879.3	862.2
70°	789.4	776.7	789.4	803.3	817.2	826.2	835.2	829.3	823.4	808.0	792.5
72.5°	713.0	700.7	713.0	726.2	739.5	746.9	754.4	747.4	740.5	725.3	710.2
75°	628.5	616.7	628.5	639.7	650.8	654.5	658.2	650.8	643.5	629.8	616.0
77.5°	531.9	522.5	531.9	543.1	554.4	559.6	564.7	557.9	551.0	536.7	522.1
80°	424.6	406.9	424.6	439.7	454.9	457.0	459.2	450.2	441.2	430.2	419.2
82.5°	315.3	304.0	315.3	328.1	340.8	341.8	342.9	327.5	312.1	288.6	265.3
85°	194.6	184.5	194.6	204.6	214.5	216.2	217.7	198.7	179.7	157.7	135.8
87.5°	80.2	75.2	80.2	85.4	90.4	92.5	94.4	86.7	79.0	69.8	60.6
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: P964160

CATALOG NUMBER: NAV-SB3B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	1948.2	1960.2	1972.2	1984.1	1997.7	2011.5	2026.5	2041.8	2060.6	2077.4	2094.8
5°	1856.6	1875.9	1897.1	1918.3	1942.3	1966.4	1995.1	2023.8	2056.6	2089.9	2125.0
7.5°	1800.6	1824.2	1850.9	1877.7	1909.3	1940.9	1979.1	2017.2	2059.7	2105.1	2154.2
10°	1792.5	1819.1	1847.9	1876.6	1908.2	1939.9	1980.2	2020.4	2066.1	2122.1	2180.4
12.5°	1844.1	1871.5	1894.0	1916.6	1937.6	1958.7	1991.5	2024.4	2066.9	2125.7	2191.4
15°	1946.2	1970.0	1975.9	1981.7	1978.9	1976.1	1991.8	2007.5	2041.5	2106.7	2182.8
17.5°	2054.0	2073.2	2054.9	2036.6	2002.0	1967.5	1961.8	1956.0	1977.0	2053.7	2145.2
20°	2113.9	2122.7	2084.3	2045.9	1985.8	1926.0	1899.0	1872.1	1877.7	1966.9	2080.4
22.5°	2098.8	2093.4	2043.4	1993.5	1925.0	1856.5	1816.7	1776.8	1766.0	1867.5	2004.3
25°	2016.2	1997.7	1948.6	1899.4	1837.8	1776.3	1730.4	1684.5	1655.2	1759.3	1919.4
27.5°	1892.8	1872.4	1832.9	1793.4	1743.0	1692.4	1648.0	1603.7	1568.0	1662.9	1841.7
30°	1769.2	1752.5	1719.7	1687.0	1645.1	1603.1	1567.8	1532.7	1504.7	1584.3	1776.7
32.5°	1660.4	1641.9	1610.5	1579.1	1545.6	1512.1	1491.3	1470.5	1458.1	1522.1	1720.8
35°	1558.6	1536.4	1505.3	1474.3	1448.7	1423.2	1417.4	1411.7	1416.9	1470.3	1665.7
37.5°	1463.5	1436.1	1405.1	1374.1	1355.8	1337.4	1343.8	1350.1	1369.0	1415.6	1601.0
40°	1371.8	1340.3	1310.4	1280.4	1267.2	1254.0	1268.3	1282.7	1311.6	1353.9	1523.8
42.5°	1285.5	1251.3	1222.9	1194.6	1183.8	1173.0	1192.0	1211.0	1247.4	1286.5	1438.5
45°	1210.1	1174.9	1147.9	1120.9	1111.8	1102.8	1121.2	1139.7	1175.0	1214.5	1347.9
47.5°	1149.6	1114.8	1088.6	1062.1	1053.7	1045.1	1060.7	1076.1	1106.5	1157.5	1276.2
50°	1100.2	1069.1	1044.3	1019.4	1006.0	992.7	1006.4	1020.2	1055.4	1122.6	1228.7
52.5°	1065.9	1036.8	1014.0	991.3	971.3	951.3	964.8	978.5	1027.7	1104.8	1197.3
55°	1044.7	1019.2	994.6	970.1	941.7	913.3	934.7	956.3	1030.4	1102.3	1174.5
57.5°	1024.2	999.1	970.3	941.4	910.8	880.3	911.6	943.0	1033.2	1096.5	1147.7
60°	994.6	968.9	935.8	902.7	876.0	849.1	889.8	930.5	1024.5	1066.3	1106.5
62.5°	952.8	925.6	886.9	848.4	831.4	814.4	865.1	915.9	1003.2	1008.3	1034.9
65°	899.0	872.9	831.5	790.2	783.7	777.2	831.2	885.2	951.7	951.1	963.6
67.5°	837.5	812.7	774.5	736.4	738.4	740.5	785.5	830.4	867.8	869.5	862.5
70°	771.2	749.8	716.3	682.6	689.8	696.9	728.9	760.9	773.2	773.2	740.6
72.5°	690.8	671.6	645.2	618.8	629.1	639.6	661.5	683.5	683.3	675.5	629.3
75°	598.5	581.0	561.4	541.7	551.8	561.7	578.7	595.5	598.6	562.8	511.0
77.5°	507.2	492.1	476.1	460.1	470.3	480.4	493.9	507.5	509.1	450.1	399.9
80°	406.5	393.9	380.7	367.4	376.0	384.4	395.8	407.1	407.3	336.9	294.4
82.5°	269.7	274.1	275.2	276.3	282.4	288.3	293.9	299.4	296.1	236.0	204.6
85°	148.0	160.3	166.2	171.8	178.6	185.3	191.2	197.1	192.8	148.0	125.0
87.5°	70.0	79.3	79.5	79.8	81.1	82.3	84.8	87.1	81.6	62.9	53.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P964160

CATALOG NUMBER: NAV-SB3B-827-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3	2063.3
2.5°	2112.2	2130.5	2148.7	2166.7	2184.9	2201.9	2218.9
5°	2160.3	2198.0	2235.7	2273.2	2310.8	2348.4	2386.0
7.5°	2203.4	2259.3	2315.1	2372.5	2429.8	2491.8	2553.8
10°	2238.5	2306.4	2374.1	2449.8	2525.5	2604.0	2682.4
12.5°	2257.3	2337.3	2417.3	2503.0	2588.8	2675.0	2761.2
15°	2259.0	2351.1	2443.2	2536.3	2629.4	2719.3	2809.1
17.5°	2236.9	2343.8	2450.7	2552.2	2653.8	2745.0	2836.1
20°	2193.9	2323.5	2453.0	2564.7	2676.3	2771.1	2865.8
22.5°	2141.0	2298.7	2456.2	2581.5	2706.6	2803.5	2900.2
25°	2079.5	2274.1	2468.7	2611.8	2754.9	2849.7	2944.5
27.5°	2020.6	2257.7	2494.8	2659.4	2823.8	2914.3	3004.7
30°	1969.2	2250.0	2530.6	2720.9	2911.1	2998.4	3085.9
32.5°	1919.4	2240.5	2561.5	2785.0	3008.7	3095.1	3181.7
35°	1861.3	2222.6	2584.1	2858.2	3132.3	3215.2	3298.0
37.5°	1786.4	2192.0	2597.6	2940.2	3282.8	3388.4	3494.0
40°	1693.6	2149.7	2606.1	3044.2	3482.3	3636.2	3790.1
42.5°	1590.5	2106.3	2622.2	3180.4	3738.5	3960.7	4182.8
45°	1481.2	2065.8	2650.4	3359.4	4068.4	4368.1	4667.7
47.5°	1394.9	2032.4	2669.8	3550.2	4430.7	4852.6	5274.2
50°	1334.8	1996.0	2657.1	3727.3	4797.4	5433.3	6069.2
52.5°	1289.8	1934.4	2579.1	3842.2	5105.2	6043.5	6981.7
55°	1246.8	1832.4	2418.0	3816.9	5215.7	6584.4	7953.2
57.5°	1198.7	1688.7	2178.5	3638.5	5098.8	6967.7	8836.7
60°	1146.7	1501.9	1857.3	3306.8	4756.2	7063.6	9370.9
62.5°	1061.6	1278.5	1495.5	2858.1	4220.6	6660.1	9099.6
65°	976.2	1077.5	1178.8	2400.2	3621.8	6089.4	8556.9
67.5°	855.5	884.3	913.1	1951.8	2990.6	5410.2	7829.7
70°	708.0	699.9	691.6	1536.8	2382.0	4669.0	6956.0
72.5°	583.1	558.3	533.5	1174.9	1816.3	3865.5	5914.8
75°	459.2	436.8	414.2	852.7	1291.2	2944.4	4597.7
77.5°	349.5	334.2	318.9	577.8	836.7	2060.9	3285.0
80°	251.7	245.5	239.1	372.3	505.5	1327.8	2150.0
82.5°	173.2	172.0	170.9	229.0	287.2	768.4	1249.8
85°	102.1	102.8	103.3	122.4	141.6	345.6	549.9
87.5°	44.2	44.7	45.3	50.7	56.2	113.3	170.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)