

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: P967632

Luminaire Tested: **NAV-SB5A-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P967632
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-SB5A-722-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 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: 19118.3 lumens
Efficiency: N/A
Efficacy: 134.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

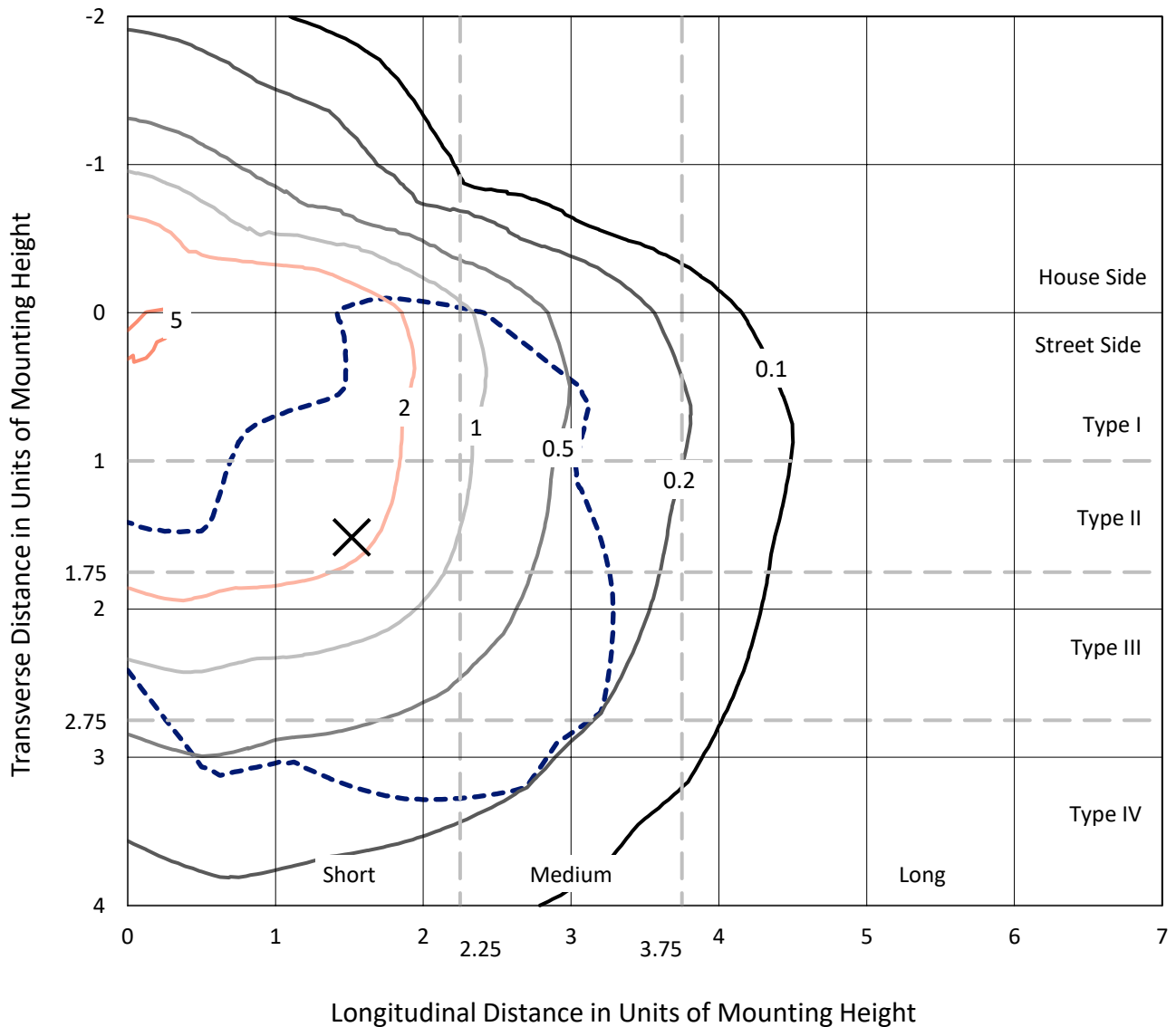
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

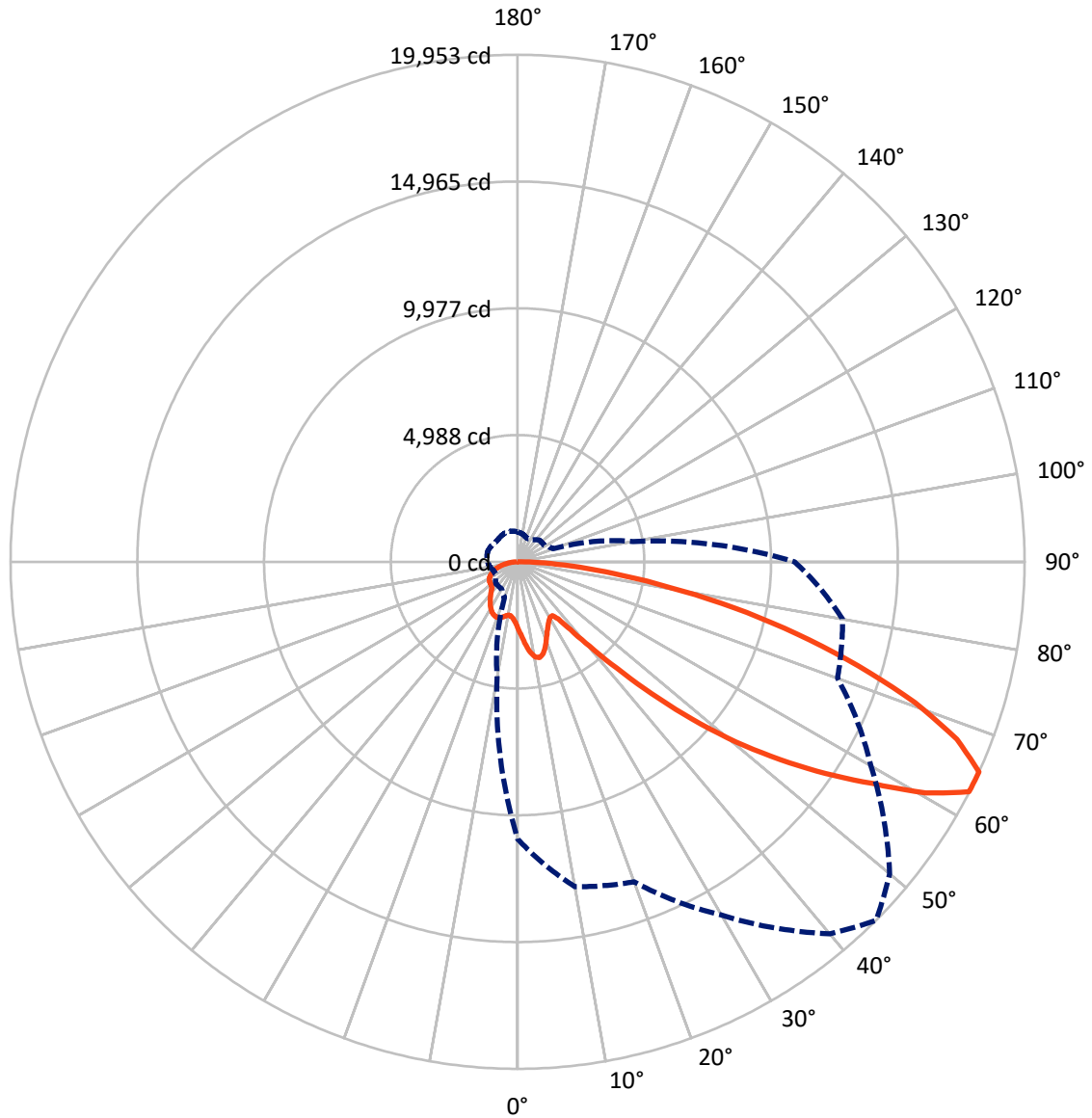
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4858.9	0.0	4858.9
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14259.4	0.0	14259.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	19118.3	0.0	19118.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.8	1.4
10°-20°	818.7	4.3
20°-30°	1264.6	6.6
30°-40°	1602.5	8.4
40°-50°	2417.0	12.6
50°-60°	3905.0	20.4
60°-70°	4868.2	25.5
70°-80°	3192.3	16.7
80°-90°	789.2	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°	19118.3	100.0
0°-180°	19118.3	100.0

Coefficient of Utilization



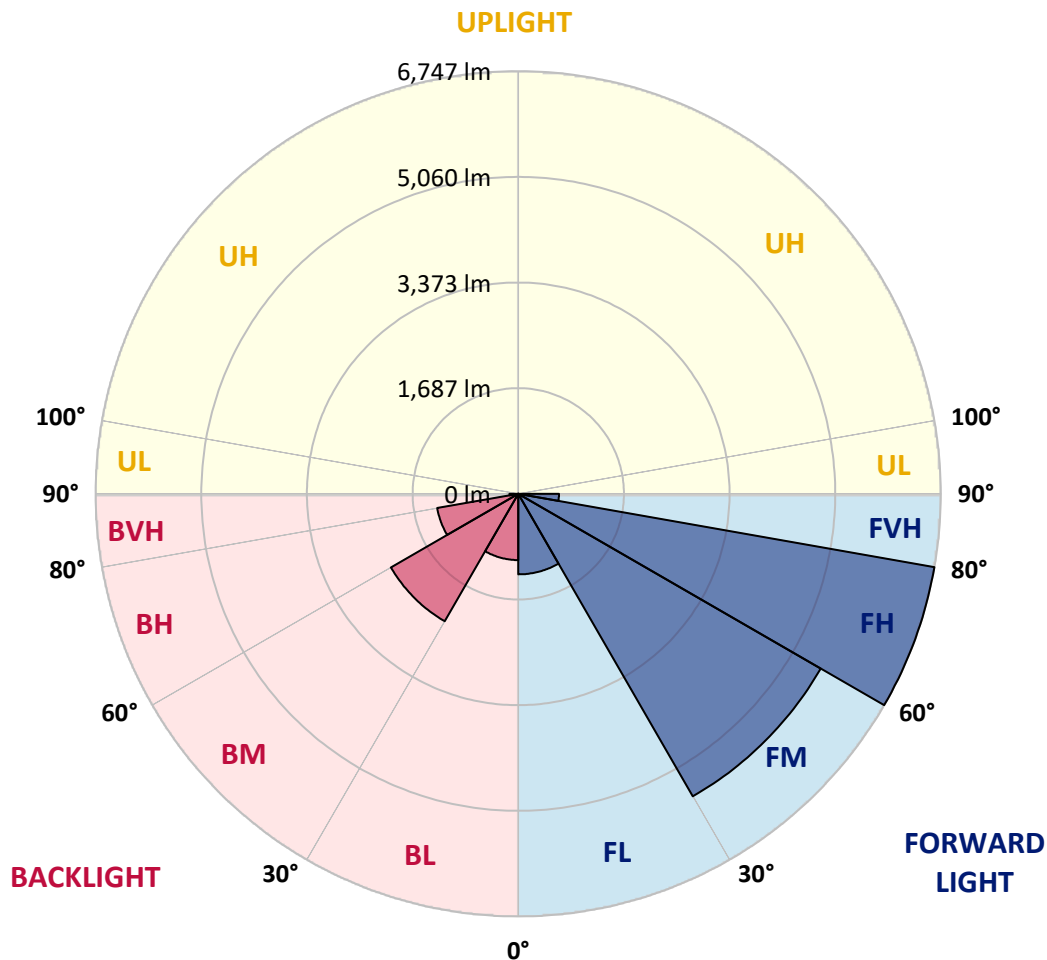
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1285.9	6.7			
FM	(30°-60°)	5576.4	29.2			
FH	(60°-80°)	6746.9	35.3			G3/7500
FVH	(80°-90°)	650.1	3.4			G4/750
BL	(0°-30°)	1058.1	5.5	B3/2500		
BM	(30°-60°)	2348.1	12.3	B2/2500		
BH	(60°-80°)	1313.6	6.9	B3/2500		G3/2500
BVH	(80°-90°)	139.1	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°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2827.2	2837.8	2848.7	2863.8	2879.1	2888.1	2897.3	2901.8	2906.4	2904.3	2906.4
5°	3040.0	3077.5	3115.0	3152.1	3189.3	3209.5	3229.7	3241.9	3254.2	3263.5	3254.2
7.5°	3253.9	3314.8	3375.6	3430.5	3485.2	3518.2	3551.2	3569.0	3586.8	3595.4	3586.8
10°	3417.9	3489.8	3561.9	3626.1	3690.4	3729.4	3768.1	3785.4	3802.6	3809.2	3802.6
12.5°	3518.2	3596.3	3674.2	3732.3	3790.2	3818.5	3846.7	3856.3	3865.7	3866.7	3865.7
15°	3579.2	3646.6	3713.9	3750.3	3786.9	3787.9	3788.8	3778.8	3768.7	3756.7	3768.7
17.5°	3613.5	3659.0	3704.6	3705.2	3705.8	3665.0	3624.1	3586.7	3549.2	3522.7	3549.2
20°	3651.4	3667.1	3683.1	3635.2	3587.3	3497.1	3406.9	3341.3	3275.6	3235.2	3275.6
22.5°	3695.2	3674.4	3653.7	3554.4	3455.2	3322.4	3189.8	3107.7	3025.6	2981.0	3025.6
25°	3751.7	3686.1	3620.6	3469.8	3319.2	3158.0	2996.9	2910.6	2824.4	2782.3	2824.4
27.5°	3828.4	3711.2	3593.9	3394.2	3194.6	3016.1	2837.5	2752.6	2667.8	2627.9	2667.8
30°	3931.8	3756.9	3582.3	3336.5	3090.8	2904.7	2718.7	2639.9	2561.2	2524.1	2561.2
32.5°	4053.9	3814.4	3575.2	3297.1	3019.1	2844.3	2669.5	2607.6	2545.7	2518.9	2545.7
35°	4202.2	3909.2	3616.3	3326.6	3037.0	2915.5	2794.1	2779.7	2765.3	2763.1	2765.3
37.5°	4451.8	4107.2	3762.6	3499.4	3236.0	3228.1	3220.2	3286.3	3352.3	3386.5	3352.3
40°	4829.1	4454.3	4079.6	3883.8	3688.0	3826.2	3964.4	4124.8	4285.2	4365.1	4285.2
42.5°	5329.5	4957.6	4585.8	4473.0	4360.2	4661.7	4963.0	5254.9	5546.6	5717.9	5546.6
45°	5947.4	5613.4	5279.3	5229.5	5179.6	5662.6	6145.6	6625.0	7104.5	7395.5	7104.5
47.5°	6720.1	6395.2	6070.2	6060.1	6050.0	6746.7	7443.1	8145.0	8846.7	9258.7	8846.7
50°	7732.9	7331.5	6930.2	6932.0	6933.7	7831.5	8729.3	9655.7	10582.1	11142.2	10582.1
52.5°	8895.6	8409.5	7923.7	7874.5	7825.3	8897.7	9970.2	11116.3	12262.5	12933.9	12262.5
55°	10133.4	9653.2	9173.0	8981.5	8789.9	9983.5	11177.0	12543.4	13909.9	14708.3	13909.9
57.5°	11259.2	10997.7	10736.2	10351.9	9967.7	11172.9	12378.2	13925.9	15473.5	16463.7	15473.5
60°	11939.6	12345.8	12752.0	12274.9	11797.7	12938.3	14078.8	15735.9	17392.9	18463.0	17392.9
62.5°	11594.1	12704.0	13813.7	13759.9	13706.1	14750.9	15795.8	17372.3	18948.8	19937.9	18948.8
65°	10902.6	11944.2	12985.7	13191.9	13397.9	14725.7	16053.6	17582.2	19110.9	19953.1	19110.9
67.5°	9976.0	10966.7	11957.3	12053.9	12150.5	13534.0	14917.3	16452.6	17987.9	18647.6	17987.9
70°	8862.8	9940.3	11017.9	11061.1	11104.3	12341.5	13578.7	14899.9	16221.0	16587.7	16221.0
72.5°	7536.2	8772.8	10009.3	10040.4	10071.3	11039.2	12007.3	12996.8	13986.2	14023.3	13986.2
75°	5858.1	7137.9	8417.6	8532.5	8647.4	9400.5	10153.5	10850.1	11546.7	11360.1	11546.7
77.5°	4185.5	5380.1	6574.9	6739.3	6903.7	7476.2	8048.7	8542.8	9036.8	8716.0	9036.8
80°	2739.4	3744.4	4749.4	4953.8	5158.2	5590.6	6022.7	6282.2	6541.5	6025.6	6541.5
82.5°	1592.4	2279.5	2966.7	3194.9	3423.4	3721.0	4018.5	4126.8	4234.9	3829.4	4234.9
85°	700.6	1065.3	1430.0	1624.2	1818.4	2062.9	2307.3	2368.8	2430.2	2105.4	2430.2
87.5°	216.9	339.5	462.1	570.4	678.8	801.0	923.2	928.5	933.7	783.8	933.7
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2901.8	2897.3	2888.1	2879.1	2863.8	2848.7	2837.8	2827.2	2805.4	2783.8	2760.6
5°	3241.9	3229.7	3209.5	3189.3	3152.1	3115.0	3077.5	3040.0	2992.1	2944.2	2896.3
7.5°	3569.0	3551.2	3518.2	3485.2	3430.5	3375.6	3314.8	3253.9	3174.8	3095.8	3022.7
10°	3785.4	3768.1	3729.4	3690.4	3626.1	3561.9	3489.8	3417.9	3317.8	3217.9	3121.3
12.5°	3856.3	3846.7	3818.5	3790.2	3732.3	3674.2	3596.3	3518.2	3408.3	3298.6	3189.2
15°	3778.8	3788.8	3787.9	3786.9	3750.3	3713.9	3646.6	3579.2	3464.7	3350.2	3231.6
17.5°	3586.7	3624.1	3665.0	3705.8	3705.2	3704.6	3659.0	3613.5	3497.4	3381.3	3251.9
20°	3341.3	3406.9	3497.1	3587.3	3635.2	3683.1	3667.1	3651.4	3530.7	3410.0	3267.7
22.5°	3107.7	3189.8	3322.4	3455.2	3554.4	3653.7	3674.4	3695.2	3571.9	3448.6	3289.1
25°	2910.6	2996.9	3158.0	3319.2	3469.8	3620.6	3686.1	3751.7	3630.9	3510.1	3327.9
27.5°	2752.6	2837.5	3016.1	3194.6	3394.2	3593.9	3711.2	3828.4	3713.2	3597.9	3388.3
30°	2639.9	2718.7	2904.7	3090.8	3336.5	3582.3	3756.9	3931.8	3820.4	3709.2	3466.8
32.5°	2607.6	2669.5	2844.3	3019.1	3297.1	3575.2	3814.4	4053.9	3943.6	3833.4	3548.6
35°	2779.7	2794.1	2915.5	3037.0	3326.6	3616.3	3909.2	4202.2	4096.6	3991.0	3641.7
37.5°	3286.3	3220.2	3228.1	3236.0	3499.4	3762.6	4107.2	4451.8	4317.3	4182.7	3746.2
40°	4124.8	3964.4	3826.2	3688.0	3883.8	4079.6	4454.3	4829.1	4633.0	4436.9	3878.7
42.5°	5254.9	4963.0	4661.7	4360.2	4473.0	4585.8	4957.6	5329.5	5046.4	4763.4	4052.1
45°	6625.0	6145.6	5662.6	5179.6	5229.5	5279.3	5613.4	5947.4	5565.5	5183.7	4280.3
47.5°	8145.0	7443.1	6746.7	6050.0	6060.1	6070.2	6395.2	6720.1	6182.7	5645.3	4523.4
50°	9655.7	8729.3	7831.5	6933.7	6932.0	6930.2	7331.5	7732.9	6922.7	6112.5	4749.0
52.5°	11116.3	9970.2	8897.7	7825.3	7874.5	7923.7	8409.5	8895.6	7700.2	6504.8	4895.5
55°	12543.4	11177.0	9983.5	8789.9	8981.5	9173.0	9653.2	10133.4	8389.4	6645.5	4863.2
57.5°	13925.9	12378.2	11172.9	9967.7	10351.9	10736.2	10997.7	11259.2	8877.8	6496.4	4636.1
60°	15735.9	14078.8	12938.3	11797.7	12274.9	12752.0	12345.8	11939.6	8999.9	6060.1	4213.3
62.5°	17372.3	15795.8	14750.9	13706.1	13759.9	13813.7	12704.0	11594.1	8485.9	5377.7	3641.5
65°	17582.2	16053.6	14725.7	13397.9	13191.9	12985.7	11944.2	10902.6	7758.6	4614.8	3058.3
67.5°	16452.6	14917.3	13534.0	12150.5	12053.9	11957.3	10966.7	9976.0	6893.2	3810.4	2486.9
70°	14899.9	13578.7	12341.5	11104.3	11061.1	11017.9	9940.3	8862.8	5948.9	3034.9	1958.1
72.5°	12996.8	12007.3	11039.2	10071.3	10040.4	10009.3	8772.8	7536.2	4925.1	2314.1	1496.9
75°	10850.1	10153.5	9400.5	8647.4	8532.5	8417.6	7137.9	5858.1	3751.6	1645.1	1086.5
77.5°	8542.8	8048.7	7476.2	6903.7	6739.3	6574.9	5380.1	4185.5	2625.8	1066.1	736.3
80°	6282.2	6022.7	5590.6	5158.2	4953.8	4749.4	3744.4	2739.4	1691.8	644.1	474.4
82.5°	4126.8	4018.5	3721.0	3423.4	3194.9	2966.7	2279.5	1592.4	979.2	366.0	291.7
85°	2368.8	2307.3	2062.9	1818.4	1624.2	1430.0	1065.3	700.6	440.4	180.4	156.0
87.5°	928.5	923.2	801.0	678.8	570.4	462.1	339.5	216.9	144.2	71.6	64.7
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°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2737.7	2714.5	2691.2	2669.1	2646.9	2625.4	2601.4	2582.1	2562.8	2545.4	2528.1
5°	2848.7	2800.5	2752.5	2707.6	2662.7	2620.3	2578.5	2542.0	2505.3	2474.7	2444.1
7.5°	2949.7	2878.6	2807.5	2744.8	2682.2	2624.4	2570.2	2521.6	2473.1	2432.7	2392.4
10°	3024.9	2938.6	2852.1	2778.1	2703.7	2632.5	2574.3	2523.0	2471.8	2431.4	2391.0
12.5°	3079.8	2977.9	2876.0	2792.3	2708.5	2633.4	2579.3	2537.3	2495.6	2468.7	2442.1
15°	3112.9	2995.7	2878.3	2781.2	2684.2	2601.1	2557.8	2537.7	2517.8	2521.4	2525.0
17.5°	3122.5	2986.2	2850.0	2733.4	2616.6	2518.9	2492.3	2499.6	2506.8	2550.8	2594.8
20°	3125.4	2960.4	2795.4	2650.8	2506.0	2392.4	2385.3	2419.6	2454.0	2530.3	2606.8
22.5°	3129.5	2928.7	2728.0	2553.8	2379.5	2250.1	2263.9	2314.7	2365.4	2452.6	2540.0
25°	3145.4	2897.5	2649.6	2445.5	2241.6	2108.9	2146.2	2204.8	2263.2	2341.6	2420.1
27.5°	3178.7	2876.6	2574.5	2346.5	2118.7	1997.9	2043.3	2099.8	2156.3	2220.8	2285.1
30°	3224.3	2866.8	2509.1	2263.8	2018.6	1917.3	1952.8	1997.6	2042.6	2096.1	2149.5
32.5°	3263.7	2854.7	2445.5	2192.5	1939.4	1857.7	1873.5	1900.0	1926.6	1969.2	2012.1
35°	3292.5	2831.9	2371.4	2122.4	1873.3	1805.2	1798.7	1805.9	1813.3	1845.9	1878.4
37.5°	3309.6	2792.8	2276.0	2039.9	1803.7	1744.2	1720.2	1712.2	1704.1	1727.4	1750.8
40°	3320.5	2739.1	2157.8	1941.5	1725.1	1671.1	1634.3	1616.0	1597.8	1614.6	1631.4
42.5°	3341.0	2683.7	2026.4	1832.8	1639.1	1589.4	1542.9	1518.7	1494.6	1508.3	1522.1
45°	3377.0	2632.1	1887.2	1717.4	1547.5	1497.0	1452.1	1428.5	1405.1	1416.6	1428.2
47.5°	3401.7	2589.5	1777.4	1626.1	1474.9	1409.8	1371.1	1351.4	1331.6	1342.5	1353.3
50°	3385.6	2543.1	1700.7	1565.5	1430.3	1344.7	1299.8	1282.3	1264.8	1281.8	1298.9
52.5°	3286.2	2464.7	1643.4	1525.5	1407.7	1309.4	1246.7	1229.3	1212.1	1237.6	1263.0
55°	3080.8	2334.7	1588.6	1496.6	1404.5	1312.9	1218.4	1190.9	1163.7	1199.9	1235.9
57.5°	2775.7	2151.6	1527.4	1462.3	1397.2	1316.5	1201.5	1161.5	1121.6	1160.5	1199.5
60°	2366.4	1913.7	1460.9	1409.8	1358.6	1305.3	1185.5	1133.8	1081.9	1116.1	1150.3
62.5°	1905.4	1629.0	1352.6	1318.6	1284.7	1278.2	1167.0	1102.2	1037.5	1059.2	1081.0
65°	1501.9	1372.9	1243.8	1227.8	1211.8	1212.6	1127.8	1059.0	990.1	998.6	1006.8
67.5°	1163.4	1126.7	1090.0	1099.0	1107.8	1105.7	1058.0	1000.7	943.4	940.8	938.2
70°	881.2	891.6	902.1	943.6	985.1	985.1	969.4	928.6	888.0	878.8	869.8
72.5°	679.8	711.3	743.0	801.9	860.7	870.6	870.8	842.9	814.9	801.6	788.3
75°	527.8	556.5	585.1	651.1	717.1	762.7	758.8	737.3	715.8	703.0	690.2
77.5°	406.3	425.8	445.4	509.4	573.5	648.6	646.7	629.3	612.1	599.2	586.3
80°	304.6	312.7	320.8	375.0	429.3	519.1	518.8	504.3	489.7	479.0	468.1
82.5°	217.7	219.1	220.7	260.7	300.6	377.3	381.5	374.4	367.4	359.8	352.1
85°	131.6	130.9	130.2	159.4	188.6	245.7	251.2	243.6	236.1	227.4	218.9
87.5°	57.7	57.0	56.3	68.2	80.2	103.9	111.0	107.9	105.0	103.3	101.7
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: P967632
 CATALOG NUMBER: NAV-SB5A-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2512.8	2497.6	2482.2	2467.0	2455.2	2443.3	2433.8	2424.1	2416.6	2409.3	2402.4
5°	2417.1	2390.1	2365.5	2340.9	2322.0	2303.1	2289.8	2276.6	2267.3	2257.9	2250.7
7.5°	2358.3	2324.3	2294.3	2264.2	2241.8	2219.3	2203.6	2187.9	2177.1	2166.4	2160.0
10°	2354.4	2317.7	2283.9	2250.1	2223.3	2196.4	2178.8	2161.0	2150.9	2140.7	2135.2
12.5°	2413.3	2384.6	2349.6	2314.7	2280.4	2246.1	2223.4	2200.7	2189.3	2178.0	2173.3
15°	2517.6	2510.1	2479.7	2449.3	2400.5	2351.8	2317.2	2282.7	2266.9	2251.1	2245.1
17.5°	2618.3	2641.5	2617.0	2592.6	2528.0	2463.3	2412.4	2361.6	2338.2	2314.7	2307.1
20°	2655.7	2704.6	2693.3	2681.9	2607.9	2534.1	2471.8	2409.5	2379.5	2349.5	2339.9
22.5°	2603.6	2667.3	2674.1	2680.9	2610.3	2539.6	2475.5	2411.2	2379.6	2348.0	2337.4
25°	2482.8	2545.4	2568.9	2592.1	2534.2	2476.4	2419.3	2362.4	2335.0	2307.6	2297.6
27.5°	2335.4	2385.6	2411.6	2437.8	2396.6	2355.3	2311.1	2266.8	2248.4	2230.0	2225.4
30°	2191.2	2233.0	2254.2	2275.4	2243.9	2212.5	2180.8	2148.9	2139.6	2130.1	2130.1
32.5°	2051.9	2092.0	2115.6	2139.2	2110.3	2081.4	2056.0	2030.7	2024.6	2018.4	2019.2
35°	1918.0	1957.5	1985.8	2014.0	1993.5	1973.0	1949.7	1926.3	1917.0	1907.6	1905.6
37.5°	1790.3	1829.7	1864.7	1899.5	1890.1	1880.6	1859.1	1837.5	1820.5	1803.5	1794.6
40°	1669.5	1707.6	1747.8	1788.1	1790.4	1792.6	1774.4	1756.1	1731.3	1706.7	1689.9
42.5°	1558.2	1594.4	1637.7	1681.2	1692.8	1704.4	1688.9	1673.6	1642.9	1612.0	1587.7
45°	1462.6	1496.8	1541.8	1586.8	1603.5	1620.1	1606.2	1592.4	1557.2	1522.1	1493.5
47.5°	1386.9	1420.3	1464.8	1509.2	1528.4	1547.5	1537.8	1528.2	1496.8	1465.5	1439.2
50°	1330.6	1362.1	1401.8	1441.6	1466.2	1490.8	1490.2	1489.8	1464.8	1439.7	1415.3
52.5°	1292.1	1321.0	1358.0	1395.1	1424.3	1453.4	1458.7	1464.0	1443.6	1423.2	1401.3
55°	1267.2	1298.6	1331.0	1363.4	1394.3	1425.3	1432.5	1439.7	1422.0	1404.2	1385.1
57.5°	1236.1	1272.9	1305.0	1337.1	1368.4	1399.4	1406.8	1414.1	1396.2	1378.2	1359.3
60°	1192.4	1234.6	1267.1	1299.8	1331.1	1362.4	1370.4	1378.5	1361.0	1343.6	1324.0
62.5°	1130.1	1179.3	1214.1	1248.9	1277.6	1306.2	1313.9	1321.7	1305.8	1290.1	1269.5
65°	1059.4	1112.2	1145.5	1178.8	1204.0	1229.2	1237.2	1245.1	1229.8	1214.6	1194.6
67.5°	986.8	1035.6	1067.1	1098.6	1120.3	1142.2	1149.9	1157.6	1143.6	1129.7	1111.1
70°	912.6	955.3	982.6	1009.8	1029.5	1049.2	1056.6	1064.1	1052.7	1041.3	1023.6
72.5°	822.0	855.7	880.3	904.9	924.1	943.4	952.3	961.1	951.7	942.2	925.3
75°	715.2	740.3	762.6	784.8	802.4	820.0	829.2	838.6	833.8	829.2	815.0
77.5°	606.7	627.0	646.2	665.3	683.8	702.1	710.8	719.4	713.0	706.3	692.1
80°	485.0	501.8	518.0	534.1	548.2	562.1	573.6	585.1	582.3	579.5	560.3
82.5°	350.7	349.2	343.6	337.9	367.8	397.7	417.3	436.9	435.6	434.3	418.1
85°	211.7	204.3	188.6	173.0	201.0	229.0	253.2	277.5	275.4	273.4	260.7
87.5°	101.4	101.1	89.2	77.2	88.9	100.7	110.5	120.2	117.9	115.2	108.8
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: P967632
 CATALOG NUMBER: NAV-SB5A-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2395.4	2386.8	2395.4	2402.4	2409.3	2416.6	2424.1	2433.8	2443.3	2455.2	2467.0
5°	2243.5	2236.5	2243.5	2250.7	2257.9	2267.3	2276.6	2289.8	2303.1	2322.0	2340.9
7.5°	2153.6	2148.7	2153.6	2160.0	2166.4	2177.1	2187.9	2203.6	2219.3	2241.8	2264.2
10°	2129.7	2127.6	2129.7	2135.2	2140.7	2150.9	2161.0	2178.8	2196.4	2223.3	2250.1
12.5°	2168.7	2167.9	2168.7	2173.3	2178.0	2189.3	2200.7	2223.4	2246.1	2280.4	2314.7
15°	2239.0	2238.5	2239.0	2245.1	2251.1	2266.9	2282.7	2317.2	2351.8	2400.5	2449.3
17.5°	2299.3	2298.0	2299.3	2307.1	2314.7	2338.2	2361.6	2412.4	2463.3	2528.0	2592.6
20°	2330.3	2327.3	2330.3	2339.9	2349.5	2379.5	2409.5	2471.8	2534.1	2607.9	2681.9
22.5°	2326.8	2322.2	2326.8	2337.4	2348.0	2379.6	2411.2	2475.5	2539.6	2610.3	2680.9
25°	2287.8	2281.9	2287.8	2297.6	2307.6	2335.0	2362.4	2419.3	2476.4	2534.2	2592.1
27.5°	2220.9	2219.3	2220.9	2225.4	2230.0	2248.4	2266.8	2311.1	2355.3	2396.6	2437.8
30°	2130.1	2131.6	2130.1	2130.1	2130.1	2139.6	2148.9	2180.8	2212.5	2243.9	2275.4
32.5°	2020.1	2021.6	2020.1	2019.2	2018.4	2024.6	2030.7	2056.0	2081.4	2110.3	2139.2
35°	1903.6	1902.6	1903.6	1905.6	1907.6	1917.0	1926.3	1949.7	1973.0	1993.5	2014.0
37.5°	1785.6	1780.5	1785.6	1794.6	1803.5	1820.5	1837.5	1859.1	1880.6	1890.1	1899.5
40°	1673.4	1663.5	1673.4	1689.9	1706.7	1731.3	1756.1	1774.4	1792.6	1790.4	1788.1
42.5°	1563.4	1547.5	1563.4	1587.7	1612.0	1642.9	1673.6	1688.9	1704.4	1692.8	1681.2
45°	1464.9	1446.6	1464.9	1493.5	1522.1	1557.2	1592.4	1606.2	1620.1	1603.5	1586.8
47.5°	1412.9	1395.1	1412.9	1439.2	1465.5	1496.8	1528.2	1537.8	1547.5	1528.4	1509.2
50°	1390.9	1374.0	1390.9	1415.3	1439.7	1464.8	1489.8	1490.2	1490.8	1466.2	1441.6
52.5°	1379.5	1363.9	1379.5	1401.3	1423.2	1443.6	1464.0	1458.7	1453.4	1424.3	1395.1
55°	1365.9	1351.8	1365.9	1385.1	1404.2	1422.0	1439.7	1432.5	1425.3	1394.3	1363.4
57.5°	1340.2	1325.5	1340.2	1359.3	1378.2	1396.2	1414.1	1406.8	1399.4	1368.4	1337.1
60°	1304.4	1289.2	1304.4	1324.0	1343.6	1361.0	1378.5	1370.4	1362.4	1331.1	1299.8
62.5°	1248.9	1230.7	1248.9	1269.5	1290.1	1305.8	1321.7	1313.9	1306.2	1277.6	1248.9
65°	1174.8	1159.1	1174.8	1194.6	1214.6	1229.8	1245.1	1237.2	1229.2	1204.0	1178.8
67.5°	1092.5	1078.4	1092.5	1111.1	1129.7	1143.6	1157.6	1149.9	1142.2	1120.3	1098.6
70°	1005.7	989.6	1005.7	1023.6	1041.3	1052.7	1064.1	1056.6	1049.2	1029.5	1009.8
72.5°	908.5	892.8	908.5	925.3	942.2	951.7	961.1	952.3	943.4	924.1	904.9
75°	800.8	785.9	800.8	815.0	829.2	833.8	838.6	829.2	820.0	802.4	784.8
77.5°	677.7	665.8	677.7	692.1	706.3	713.0	719.4	710.8	702.1	683.8	665.3
80°	540.9	518.5	540.9	560.3	579.5	582.3	585.1	573.6	562.1	548.2	534.1
82.5°	401.7	387.3	401.7	418.1	434.3	435.6	436.9	417.3	397.7	367.8	337.9
85°	247.9	235.0	247.9	260.7	273.4	275.4	277.5	253.2	229.0	201.0	173.0
87.5°	102.1	95.8	102.1	108.8	115.2	117.9	120.2	110.5	100.7	88.9	77.2
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: P967632
 CATALOG NUMBER: NAV-SB5A-722-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2482.2	2497.6	2512.8	2528.1	2545.4	2562.8	2582.1	2601.4	2625.4	2646.9	2669.1
5°	2365.5	2390.1	2417.1	2444.1	2474.7	2505.3	2542.0	2578.5	2620.3	2662.7	2707.6
7.5°	2294.3	2324.3	2358.3	2392.4	2432.7	2473.1	2521.6	2570.2	2624.4	2682.2	2744.8
10°	2283.9	2317.7	2354.4	2391.0	2431.4	2471.8	2523.0	2574.3	2632.5	2703.7	2778.1
12.5°	2349.6	2384.6	2413.3	2442.1	2468.7	2495.6	2537.3	2579.3	2633.4	2708.5	2792.3
15°	2479.7	2510.1	2517.6	2525.0	2521.4	2517.8	2537.7	2557.8	2601.1	2684.2	2781.2
17.5°	2617.0	2641.5	2618.3	2594.8	2550.8	2506.8	2499.6	2492.3	2518.9	2616.6	2733.4
20°	2693.3	2704.6	2655.7	2606.8	2530.3	2454.0	2419.6	2385.3	2392.4	2506.0	2650.8
22.5°	2674.1	2667.3	2603.6	2540.0	2452.6	2365.4	2314.7	2263.9	2250.1	2379.5	2553.8
25°	2568.9	2545.4	2482.8	2420.1	2341.6	2263.2	2204.8	2146.2	2108.9	2241.6	2445.5
27.5°	2411.6	2385.6	2335.4	2285.1	2220.8	2156.3	2099.8	2043.3	1997.9	2118.7	2346.5
30°	2254.2	2233.0	2191.2	2149.5	2096.1	2042.6	1997.6	1952.8	1917.3	2018.6	2263.8
32.5°	2115.6	2092.0	2051.9	2012.1	1969.2	1926.6	1900.0	1873.5	1857.7	1939.4	2192.5
35°	1985.8	1957.5	1918.0	1878.4	1845.9	1813.3	1805.9	1798.7	1805.2	1873.3	2122.4
37.5°	1864.7	1829.7	1790.3	1750.8	1727.4	1704.1	1712.2	1720.2	1744.2	1803.7	2039.9
40°	1747.8	1707.6	1669.5	1631.4	1614.6	1597.8	1616.0	1634.3	1671.1	1725.1	1941.5
42.5°	1637.7	1594.4	1558.2	1522.1	1508.3	1494.6	1518.7	1542.9	1589.4	1639.1	1832.8
45°	1541.8	1496.8	1462.6	1428.2	1416.6	1405.1	1428.5	1452.1	1497.0	1547.5	1717.4
47.5°	1464.8	1420.3	1386.9	1353.3	1342.5	1331.6	1351.4	1371.1	1409.8	1474.9	1626.1
50°	1401.8	1362.1	1330.6	1298.9	1281.8	1264.8	1282.3	1299.8	1344.7	1430.3	1565.5
52.5°	1358.0	1321.0	1292.1	1263.0	1237.6	1212.1	1229.3	1246.7	1309.4	1407.7	1525.5
55°	1331.0	1298.6	1267.2	1235.9	1199.9	1163.7	1190.9	1218.4	1312.9	1404.5	1496.6
57.5°	1305.0	1272.9	1236.1	1199.5	1160.5	1121.6	1161.5	1201.5	1316.5	1397.2	1462.3
60°	1267.1	1234.6	1192.4	1150.3	1116.1	1081.9	1133.8	1185.5	1305.3	1358.6	1409.8
62.5°	1214.1	1179.3	1130.1	1081.0	1059.2	1037.5	1102.2	1167.0	1278.2	1284.7	1318.6
65°	1145.5	1112.2	1059.4	1006.8	998.6	990.1	1059.0	1127.8	1212.6	1211.8	1227.8
67.5°	1067.1	1035.6	986.8	938.2	940.8	943.4	1000.7	1058.0	1105.7	1107.8	1099.0
70°	982.6	955.3	912.6	869.8	878.8	888.0	928.6	969.4	985.1	985.1	943.6
72.5°	880.3	855.7	822.0	788.3	801.6	814.9	842.9	870.8	870.6	860.7	801.9
75°	762.6	740.3	715.2	690.2	703.0	715.8	737.3	758.8	762.7	717.1	651.1
77.5°	646.2	627.0	606.7	586.3	599.2	612.1	629.3	646.7	648.6	573.5	509.4
80°	518.0	501.8	485.0	468.1	479.0	489.7	504.3	518.8	519.1	429.3	375.0
82.5°	343.6	349.2	350.7	352.1	359.8	367.4	374.4	381.5	377.3	300.6	260.7
85°	188.6	204.3	211.7	218.9	227.4	236.1	243.6	251.2	245.7	188.6	159.4
87.5°	89.2	101.1	101.4	101.7	103.3	105.0	107.9	111.0	103.9	80.2	68.2
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: P967632
 CATALOG NUMBER: NAV-SB5A-722-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9	2628.9
2.5°	2691.2	2714.5	2737.7	2760.6	2783.8	2805.4	2827.2
5°	2752.5	2800.5	2848.7	2896.3	2944.2	2992.1	3040.0
7.5°	2807.5	2878.6	2949.7	3022.7	3095.8	3174.8	3253.9
10°	2852.1	2938.6	3024.9	3121.3	3217.9	3317.8	3417.9
12.5°	2876.0	2977.9	3079.8	3189.2	3298.6	3408.3	3518.2
15°	2878.3	2995.7	3112.9	3231.6	3350.2	3464.7	3579.2
17.5°	2850.0	2986.2	3122.5	3251.9	3381.3	3497.4	3613.5
20°	2795.4	2960.4	3125.4	3267.7	3410.0	3530.7	3651.4
22.5°	2728.0	2928.7	3129.5	3289.1	3448.6	3571.9	3695.2
25°	2649.6	2897.5	3145.4	3327.9	3510.1	3630.9	3751.7
27.5°	2574.5	2876.6	3178.7	3388.3	3597.9	3713.2	3828.4
30°	2509.1	2866.8	3224.3	3466.8	3709.2	3820.4	3931.8
32.5°	2445.5	2854.7	3263.7	3548.6	3833.4	3943.6	4053.9
35°	2371.4	2831.9	3292.5	3641.7	3991.0	4096.6	4202.2
37.5°	2276.0	2792.8	3309.6	3746.2	4182.7	4317.3	4451.8
40°	2157.8	2739.1	3320.5	3878.7	4436.9	4633.0	4829.1
42.5°	2026.4	2683.7	3341.0	4052.1	4763.4	5046.4	5329.5
45°	1887.2	2632.1	3377.0	4280.3	5183.7	5565.5	5947.4
47.5°	1777.4	2589.5	3401.7	4523.4	5645.3	6182.7	6720.1
50°	1700.7	2543.1	3385.6	4749.0	6112.5	6922.7	7732.9
52.5°	1643.4	2464.7	3286.2	4895.5	6504.8	7700.2	8895.6
55°	1588.6	2334.7	3080.8	4863.2	6645.5	8389.4	10133.4
57.5°	1527.4	2151.6	2775.7	4636.1	6496.4	8877.8	11259.2
60°	1460.9	1913.7	2366.4	4213.3	6060.1	8999.9	11939.6
62.5°	1352.6	1629.0	1905.4	3641.5	5377.7	8485.9	11594.1
65°	1243.8	1372.9	1501.9	3058.3	4614.8	7758.6	10902.6
67.5°	1090.0	1126.7	1163.4	2486.9	3810.4	6893.2	9976.0
70°	902.1	891.6	881.2	1958.1	3034.9	5948.9	8862.8
72.5°	743.0	711.3	679.8	1496.9	2314.1	4925.1	7536.2
75°	585.1	556.5	527.8	1086.5	1645.1	3751.6	5858.1
77.5°	445.4	425.8	406.3	736.3	1066.1	2625.8	4185.5
80°	320.8	312.7	304.6	474.4	644.1	1691.8	2739.4
82.5°	220.7	219.1	217.7	291.7	366.0	979.2	1592.4
85°	130.2	130.9	131.6	156.0	180.4	440.4	700.6
87.5°	56.3	57.0	57.7	64.7	71.6	144.2	216.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)