

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: P968159

Luminaire Tested: **NAV-SB5B-722-U-SLL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968159
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-SB5B-722-U-SLL
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23999.4 lumens
Efficiency: N/A
Efficacy: 131.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

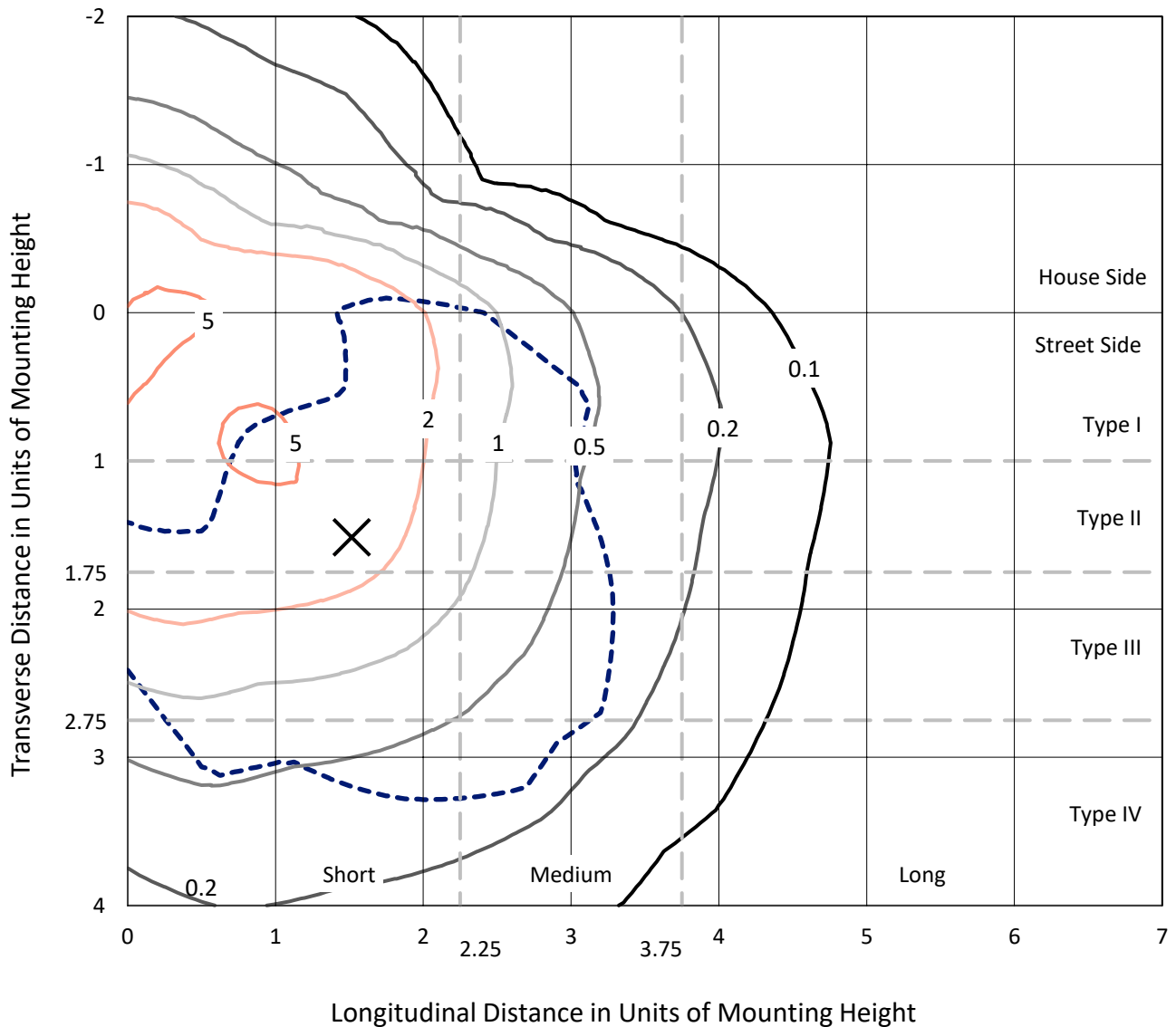
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

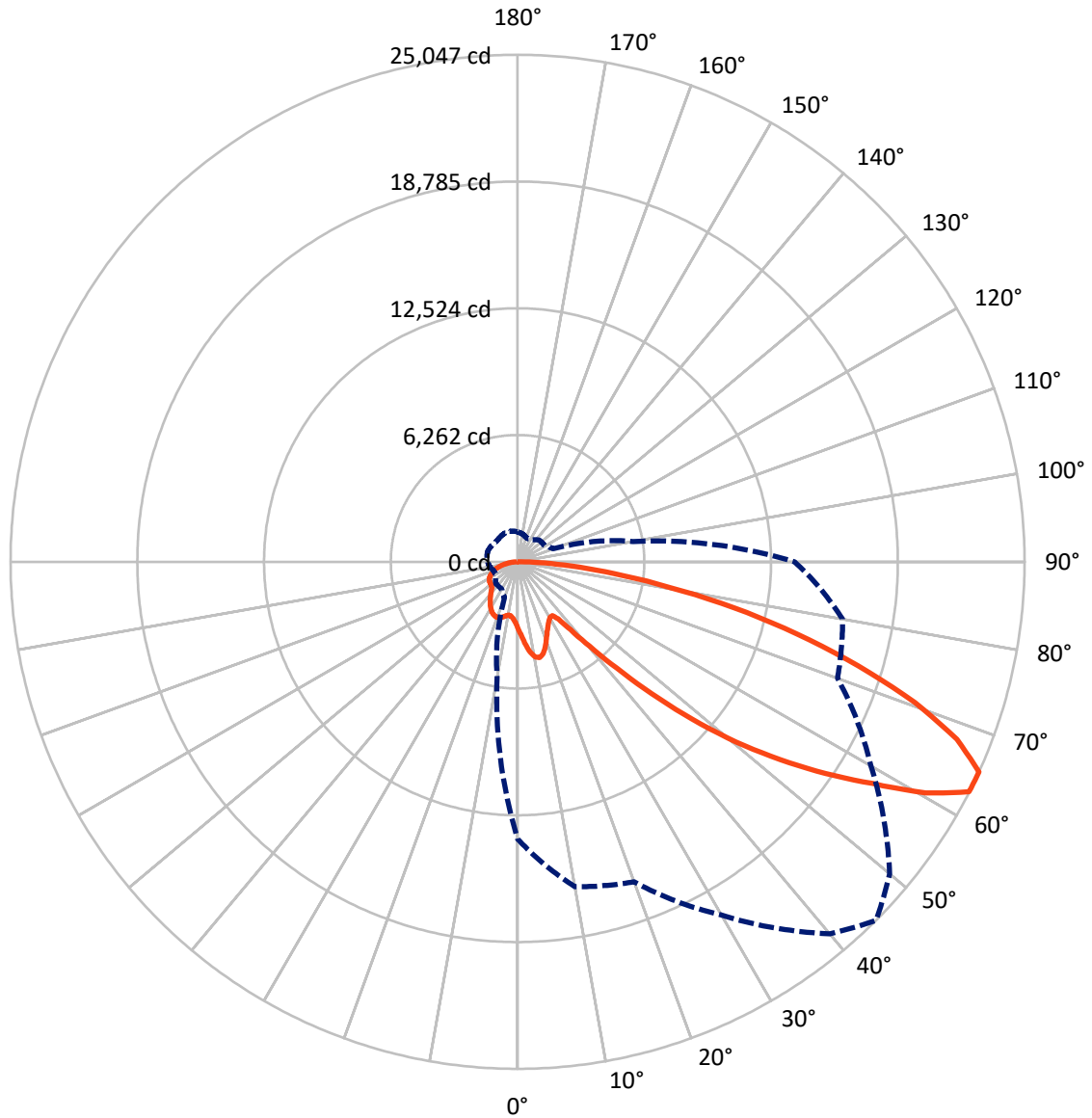
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - N/A

REPORT NUMBER: P968159
CATALOG NUMBER: NAV-SB5B-722-U-SLL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6099.4	0.0	6099.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	17899.9	0.0	17899.9
	% Fixture	74.6	0.0	74.6
Total	Lumens	23999.4	0.0	23999.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.4	1.4
10°-20°	1027.7	4.3
20°-30°	1587.4	6.6
30°-40°	2011.6	8.4
40°-50°	3034.1	12.6
50°-60°	4902.0	20.4
60°-70°	6111.1	25.5
70°-80°	4007.4	16.7
80°-90°	990.7	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°	23999.4	100.0
0°-180°	23999.4	100.0

Coefficient of Utilization

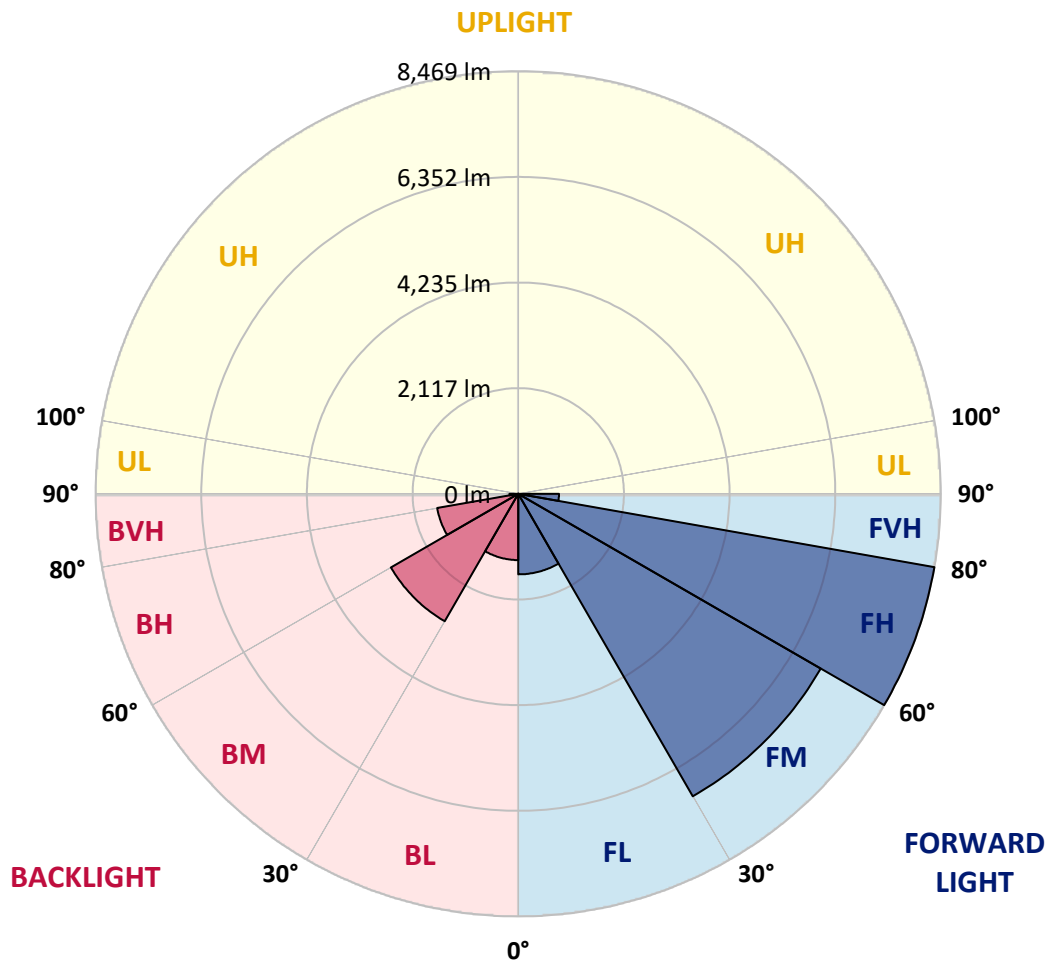


REPORT NUMBER: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1614.2	6.7			
FM (30°-60°)	7000.1	29.2			
FH (60°-80°)	8469.5	35.3			G4/12000
FVH (80°-90°)	816.1	3.4			G5
BL (0°-30°)	1328.2	5.5	B3/2500		
BM (30°-60°)	2947.6	12.3	B3/5000		
BH (60°-80°)	1649.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	174.6	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-G5
 Type IV Short



REPORT NUMBER: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3549.0	3562.4	3575.9	3595.1	3614.2	3625.5	3637.0	3642.6	3648.4	3645.8	3648.4
5°	3816.2	3863.1	3910.3	3956.8	4003.5	4028.9	4054.2	4069.6	4085.0	4096.6	4085.0
7.5°	4084.6	4161.1	4237.5	4306.2	4375.0	4416.4	4457.8	4480.3	4502.5	4513.3	4502.5
10°	4290.4	4380.8	4471.3	4551.9	4632.6	4681.5	4730.1	4751.9	4773.5	4781.7	4773.5
12.5°	4416.4	4514.4	4612.3	4685.3	4757.9	4793.4	4828.9	4840.8	4852.7	4853.9	4852.7
15°	4493.0	4577.6	4662.1	4707.8	4753.6	4754.9	4756.2	4743.5	4730.9	4715.9	4730.9
17.5°	4536.0	4593.2	4650.3	4651.1	4652.0	4600.7	4549.4	4502.4	4455.3	4422.2	4455.3
20°	4583.6	4603.5	4623.5	4563.3	4503.1	4390.0	4276.7	4194.3	4111.9	4061.2	4111.9
22.5°	4638.6	4612.6	4586.5	4461.8	4337.3	4170.7	4004.2	3901.2	3798.0	3742.1	3798.0
25°	4709.6	4627.3	4545.0	4355.7	4166.5	3964.3	3762.1	3653.7	3545.6	3492.6	3545.6
27.5°	4805.8	4658.6	4511.4	4260.8	4010.3	3786.1	3562.0	3455.4	3348.9	3298.9	3348.9
30°	4935.6	4716.1	4496.8	4188.4	3879.8	3646.3	3412.8	3313.9	3215.0	3168.4	3215.0
32.5°	5088.8	4788.3	4488.0	4139.0	3789.9	3570.5	3351.0	3273.4	3195.6	3162.1	3195.6
35°	5275.0	4907.3	4539.6	4176.0	3812.4	3659.9	3507.6	3489.4	3471.4	3468.5	3471.4
37.5°	5588.4	5155.9	4723.2	4392.7	4062.2	4052.3	4042.5	4125.3	4208.1	4251.2	4208.1
40°	6062.1	5591.6	5121.1	4875.3	4629.5	4803.0	4976.5	5177.9	5379.2	5479.5	5379.2
42.5°	6690.2	6223.4	5756.6	5615.1	5473.4	5851.8	6230.2	6596.4	6962.6	7177.7	6962.6
45°	7465.8	7046.5	6627.0	6564.6	6502.1	7108.3	7714.7	8316.4	8918.3	9283.6	8918.3
47.5°	8435.9	8027.9	7620.0	7607.2	7594.5	8469.2	9343.4	10224.4	11105.3	11622.6	11105.3
50°	9707.3	9203.4	8699.6	8701.7	8703.9	9831.0	10958.0	12120.9	13283.8	13986.8	13283.8
52.5°	11166.7	10556.6	9946.6	9884.9	9823.1	11169.3	12515.7	13954.5	15393.1	16235.9	15393.1
55°	12720.6	12117.8	11515.0	11274.5	11034.0	12532.4	14030.6	15745.8	17461.1	18463.4	17461.1
57.5°	14133.7	13805.5	13477.2	12994.8	12512.6	14025.5	15538.4	17481.3	19424.0	20666.9	19424.0
60°	14988.0	15497.8	16007.7	15408.7	14809.7	16241.5	17673.3	19753.4	21833.4	23176.8	21833.4
62.5°	14554.2	15947.4	17340.4	17272.9	17205.3	18516.8	19828.5	21807.6	23786.6	25028.2	23786.6
65°	13686.1	14993.6	16301.1	16559.9	16818.4	18485.3	20152.1	22071.1	23990.0	25047.2	23990.0
67.5°	12522.9	13766.6	15010.1	15131.4	15252.6	16989.3	18725.8	20653.1	22580.3	23408.5	22580.3
70°	11125.6	12478.1	13830.8	13885.1	13939.4	15492.5	17045.3	18703.9	20362.3	20822.7	20362.3
72.5°	9460.3	11012.5	12564.8	12603.8	12642.7	13857.7	15072.7	16314.9	17557.0	17603.6	17557.0
75°	7353.8	8960.2	10566.7	10710.9	10855.2	11800.5	12745.9	13620.3	14494.7	14260.4	14494.7
77.5°	5254.2	6753.7	8253.5	8459.8	8666.3	9384.9	10103.6	10723.8	11344.0	10941.3	11344.0
80°	3438.8	4700.4	5962.0	6218.6	6475.1	7017.9	7560.4	7886.0	8211.7	7563.9	8211.7
82.5°	1999.0	2861.5	3724.1	4010.6	4297.4	4670.9	5044.5	5180.3	5316.2	4807.0	5316.2
85°	879.4	1337.3	1795.1	2038.8	2282.6	2589.6	2896.4	2973.5	3050.6	2642.9	3050.6
87.5°	272.2	426.1	579.9	716.0	852.0	1005.5	1159.0	1165.5	1172.0	984.0	1172.0
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3642.6	3637.0	3625.5	3614.2	3595.1	3575.9	3562.4	3549.0	3521.7	3494.5	3465.5
5°	4069.6	4054.2	4028.9	4003.5	3956.8	3910.3	3863.1	3816.2	3756.0	3695.8	3635.8
7.5°	4480.3	4457.8	4416.4	4375.0	4306.2	4237.5	4161.1	4084.6	3985.3	3886.2	3794.6
10°	4751.9	4730.1	4681.5	4632.6	4551.9	4471.3	4380.8	4290.4	4164.9	4039.4	3918.3
12.5°	4840.8	4828.9	4793.4	4757.9	4685.3	4612.3	4514.4	4416.4	4278.5	4140.7	4003.4
15°	4743.5	4756.2	4754.9	4753.6	4707.8	4662.1	4577.6	4493.0	4349.3	4205.6	4056.6
17.5°	4502.4	4549.4	4600.7	4652.0	4651.1	4650.3	4593.2	4536.0	4390.3	4244.5	4082.1
20°	4194.3	4276.7	4390.0	4503.1	4563.3	4623.5	4603.5	4583.6	4432.1	4280.5	4101.9
22.5°	3901.2	4004.2	4170.7	4337.3	4461.8	4586.5	4612.6	4638.6	4483.9	4329.0	4128.8
25°	3653.7	3762.1	3964.3	4166.5	4355.7	4545.0	4627.3	4709.6	4557.9	4406.3	4177.5
27.5°	3455.4	3562.0	3786.1	4010.3	4260.8	4511.4	4658.6	4805.8	4661.2	4516.5	4253.4
30°	3313.9	3412.8	3646.3	3879.8	4188.4	4496.8	4716.1	4935.6	4795.8	4656.2	4351.8
32.5°	3273.4	3351.0	3570.5	3789.9	4139.0	4488.0	4788.3	5088.8	4950.4	4812.2	4454.5
35°	3489.4	3507.6	3659.9	3812.4	4176.0	4539.6	4907.3	5275.0	5142.5	5010.0	4571.5
37.5°	4125.3	4042.5	4052.3	4062.2	4392.7	4723.2	5155.9	5588.4	5419.5	5250.6	4702.6
40°	5177.9	4976.5	4803.0	4629.5	4875.3	5121.1	5591.6	6062.1	5815.8	5569.6	4869.0
42.5°	6596.4	6230.2	5851.8	5473.4	5615.1	5756.6	6223.4	6690.2	6334.8	5979.4	5086.7
45°	8316.4	7714.7	7108.3	6502.1	6564.6	6627.0	7046.5	7465.8	6986.5	6507.1	5373.2
47.5°	10224.4	9343.4	8469.2	7594.5	7607.2	7620.0	8027.9	8435.9	7761.2	7086.5	5678.3
50°	12120.9	10958.0	9831.0	8703.9	8701.7	8699.6	9203.4	9707.3	8690.3	7673.0	5961.5
52.5°	13954.5	12515.7	11169.3	9823.1	9884.9	9946.6	10556.6	11166.7	9666.1	8165.5	6145.4
55°	15745.8	14030.6	12532.4	11034.0	11274.5	11515.0	12117.8	12720.6	10531.3	8342.1	6104.8
57.5°	17481.3	15538.4	14025.5	12512.6	12994.8	13477.2	13805.5	14133.7	11144.4	8155.1	5819.6
60°	19753.4	17673.3	16241.5	14809.7	15408.7	16007.7	15497.8	14988.0	11297.7	7607.2	5288.9
62.5°	21807.6	19828.5	18516.8	17205.3	17272.9	17340.4	15947.4	14554.2	10652.4	6750.6	4571.3
65°	22071.1	20152.1	18485.3	16818.4	16559.9	16301.1	14993.6	13686.1	9739.6	5792.9	3839.0
67.5°	20653.1	18725.8	16989.3	15252.6	15131.4	15010.1	13766.6	12522.9	8653.2	4783.3	3121.8
70°	18703.9	17045.3	15492.5	13939.4	13885.1	13830.8	12478.1	11125.6	7467.6	3809.8	2458.0
72.5°	16314.9	15072.7	13857.7	12642.7	12603.8	12564.8	11012.5	9460.3	6182.6	2905.1	1879.1
75°	13620.3	12745.9	11800.5	10855.2	10710.9	10566.7	8960.2	7353.8	4709.5	2065.2	1363.9
77.5°	10723.8	10103.6	9384.9	8666.3	8459.8	8253.5	6753.7	5254.2	3296.2	1338.2	924.1
80°	7886.0	7560.4	7017.9	6475.1	6218.6	5962.0	4700.4	3438.8	2123.7	808.5	595.4
82.5°	5180.3	5044.5	4670.9	4297.4	4010.6	3724.1	2861.5	1999.0	1229.1	459.4	366.2
85°	2973.5	2896.4	2589.6	2282.6	2038.8	1795.1	1337.3	879.4	552.9	226.4	195.8
87.5°	1165.5	1159.0	1005.5	852.0	716.0	579.9	426.1	272.2	181.1	89.9	81.2
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3436.6	3407.5	3378.4	3350.5	3322.6	3295.7	3265.6	3241.4	3217.2	3195.2	3173.5
5°	3575.9	3515.5	3455.3	3398.9	3342.5	3289.3	3236.8	3190.9	3145.0	3106.5	3068.1
7.5°	3702.8	3613.5	3524.3	3445.6	3367.0	3294.5	3226.4	3165.4	3104.4	3053.8	3003.1
10°	3797.1	3688.8	3580.2	3487.3	3394.1	3304.6	3231.5	3167.1	3102.8	3052.1	3001.5
12.5°	3866.2	3738.3	3610.4	3505.1	3399.9	3305.8	3237.8	3185.1	3132.7	3099.0	3065.6
15°	3907.7	3760.4	3613.1	3491.4	3369.5	3265.3	3210.8	3185.6	3160.6	3165.1	3169.7
17.5°	3919.6	3748.6	3577.7	3431.2	3284.7	3162.1	3128.5	3137.7	3146.9	3202.1	3257.3
20°	3923.4	3716.2	3509.1	3327.5	3145.8	3003.1	2994.3	3037.4	3080.4	3176.3	3272.2
22.5°	3928.5	3676.5	3424.4	3205.8	2987.1	2824.6	2841.9	2905.7	2969.3	3078.8	3188.5
25°	3948.5	3637.2	3326.1	3069.9	2813.8	2647.3	2694.2	2767.6	2841.1	2939.5	3038.0
27.5°	3990.3	3611.0	3231.7	2945.6	2659.6	2508.0	2565.0	2635.9	2706.8	2787.8	2868.6
30°	4047.5	3598.7	3149.7	2841.8	2534.0	2406.7	2451.4	2507.7	2564.1	2631.3	2698.3
32.5°	4096.9	3583.5	3069.9	2752.3	2434.6	2332.0	2351.9	2385.2	2418.5	2472.1	2525.7
35°	4133.1	3554.9	2976.9	2664.3	2351.7	2266.2	2257.9	2267.0	2276.3	2317.2	2357.9
37.5°	4154.6	3505.9	2857.2	2560.7	2264.2	2189.5	2159.4	2149.2	2139.2	2168.5	2197.8
40°	4168.2	3438.4	2708.8	2437.1	2165.4	2097.8	2051.5	2028.6	2005.6	2026.8	2048.0
42.5°	4193.9	3368.8	2543.8	2300.7	2057.6	1995.2	1936.8	1906.5	1876.1	1893.3	1910.7
45°	4239.1	3304.1	2369.1	2155.9	1942.6	1879.2	1823.0	1793.2	1763.8	1778.2	1792.9
47.5°	4270.2	3250.6	2231.0	2041.2	1851.5	1769.8	1721.2	1696.4	1671.6	1685.3	1698.8
50°	4249.9	3192.4	2134.9	1965.1	1795.4	1688.1	1631.7	1609.7	1587.7	1609.0	1630.5
52.5°	4125.1	3094.0	2062.9	1915.0	1767.2	1643.7	1565.0	1543.1	1521.5	1553.6	1585.5
55°	3867.4	2930.9	1994.2	1878.6	1763.0	1648.2	1529.5	1495.1	1460.7	1506.2	1551.5
57.5°	3484.4	2700.9	1917.3	1835.6	1753.9	1652.6	1508.2	1458.1	1407.9	1456.8	1505.7
60°	2970.7	2402.3	1833.9	1769.8	1705.5	1638.7	1488.2	1423.2	1358.1	1401.1	1443.9
62.5°	2391.8	2044.9	1697.9	1655.3	1612.7	1604.4	1464.9	1383.6	1302.5	1329.6	1356.9
65°	1885.4	1723.3	1561.4	1541.3	1521.1	1522.1	1415.8	1329.4	1242.9	1253.5	1263.8
67.5°	1460.3	1414.4	1368.3	1379.5	1390.7	1388.0	1328.2	1256.2	1184.3	1181.0	1177.7
70°	1106.2	1119.3	1132.4	1184.6	1236.6	1236.6	1217.0	1165.8	1114.7	1103.2	1091.8
72.5°	853.3	892.9	932.6	1006.7	1080.5	1092.9	1093.2	1058.0	1023.0	1006.2	989.6
75°	662.6	698.5	734.5	817.3	900.2	957.4	952.5	925.6	898.5	882.5	866.4
77.5°	510.0	534.5	559.1	639.5	720.0	814.3	811.7	790.1	768.4	752.2	736.1
80°	382.4	392.6	402.7	470.8	538.8	651.5	651.2	633.0	614.8	601.3	587.6
82.5°	273.3	275.0	277.1	327.2	377.4	473.7	479.0	470.1	461.2	451.6	442.0
85°	165.2	164.4	163.4	200.1	236.8	308.3	315.3	305.9	296.3	285.6	274.8
87.5°	72.5	71.5	70.6	85.6	100.7	130.5	139.3	135.5	131.7	129.7	127.6
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3154.3	3135.3	3116.0	3096.8	3082.1	3067.1	3055.1	3043.0	3033.7	3024.3	3015.7
5°	3034.2	3000.3	2969.4	2938.6	2914.9	2891.1	2874.5	2857.9	2846.1	2834.3	2825.4
7.5°	2960.5	2917.7	2879.9	2842.3	2814.1	2786.0	2766.3	2746.5	2733.0	2719.5	2711.4
10°	2955.6	2909.5	2867.0	2824.6	2790.9	2757.1	2735.1	2712.8	2700.0	2687.2	2680.4
12.5°	3029.4	2993.4	2949.4	2905.7	2862.6	2819.6	2791.1	2762.6	2748.2	2734.1	2728.2
15°	3160.3	3151.0	3112.8	3074.7	3013.4	2952.1	2908.8	2865.5	2845.6	2825.8	2818.2
17.5°	3286.7	3316.0	3285.1	3254.5	3173.4	3092.2	3028.4	2964.5	2935.2	2905.7	2896.0
20°	3333.7	3395.1	3380.9	3366.6	3273.7	3181.1	3102.8	3024.7	2987.1	2949.3	2937.3
22.5°	3268.3	3348.3	3356.9	3365.4	3276.7	3188.1	3107.5	3026.8	2987.2	2947.4	2934.2
25°	3116.6	3195.2	3224.6	3253.9	3181.2	3108.6	3037.0	2965.5	2931.1	2896.8	2884.2
27.5°	2931.6	2994.6	3027.3	3060.1	3008.4	2956.7	2901.1	2845.5	2822.4	2799.3	2793.5
30°	2750.7	2803.1	2829.7	2856.3	2816.9	2777.3	2737.6	2697.6	2685.8	2673.9	2673.9
32.5°	2575.9	2626.2	2655.7	2685.3	2649.1	2612.7	2581.0	2549.2	2541.5	2533.7	2534.7
35°	2407.6	2457.3	2492.8	2528.3	2502.4	2476.7	2447.4	2418.1	2406.3	2394.7	2392.1
37.5°	2247.3	2296.9	2340.7	2384.6	2372.7	2360.8	2333.7	2306.7	2285.2	2264.0	2252.7
40°	2095.8	2143.7	2194.1	2244.6	2247.5	2250.3	2227.4	2204.5	2173.3	2142.5	2121.4
42.5°	1956.0	2001.5	2055.9	2110.4	2124.9	2139.5	2120.1	2100.8	2062.3	2023.7	1993.1
45°	1836.0	1879.0	1935.5	1992.0	2012.9	2033.8	2016.3	1999.0	1954.8	1910.7	1874.8
47.5°	1741.0	1783.0	1838.7	1894.5	1918.5	1942.6	1930.4	1918.3	1879.0	1839.8	1806.6
50°	1670.2	1709.8	1759.7	1809.6	1840.5	1871.4	1870.6	1870.1	1838.7	1807.4	1776.7
52.5°	1622.0	1658.2	1704.8	1751.4	1788.0	1824.6	1831.2	1837.7	1812.2	1786.6	1759.1
55°	1590.8	1630.1	1670.9	1711.4	1750.2	1789.1	1798.3	1807.4	1785.0	1762.8	1738.7
57.5°	1551.7	1597.9	1638.2	1678.5	1717.7	1756.6	1766.0	1775.2	1752.6	1730.1	1706.3
60°	1496.8	1549.8	1590.7	1631.7	1671.0	1710.2	1720.4	1730.5	1708.5	1686.5	1661.9
62.5°	1418.6	1480.4	1524.1	1567.7	1603.7	1639.7	1649.4	1659.2	1639.3	1619.4	1593.6
65°	1329.9	1396.2	1438.0	1479.7	1511.4	1543.0	1553.1	1562.9	1543.9	1524.7	1499.6
67.5°	1238.7	1299.9	1339.6	1379.0	1406.4	1433.8	1443.5	1453.1	1435.5	1418.1	1394.7
70°	1145.5	1199.2	1233.4	1267.6	1292.3	1317.0	1326.4	1335.8	1321.4	1307.1	1284.8
72.5°	1032.0	1074.1	1105.1	1135.9	1160.1	1184.3	1195.5	1206.6	1194.6	1182.7	1161.5
75°	897.8	929.3	957.2	985.2	1007.3	1029.3	1041.0	1052.6	1046.7	1041.0	1023.1
77.5°	761.6	787.0	811.1	835.2	858.3	881.4	892.3	903.1	895.0	886.7	868.7
80°	608.8	630.0	650.3	670.6	688.2	705.6	720.1	734.5	730.9	727.5	703.4
82.5°	440.1	438.4	431.3	424.2	461.8	499.2	523.8	548.4	546.8	545.2	524.8
85°	265.7	256.5	236.8	217.2	252.3	287.5	317.9	348.3	345.7	343.2	327.2
87.5°	127.3	126.9	111.9	96.9	111.5	126.4	138.7	151.0	147.9	144.6	136.5
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3006.9	2996.2	3006.9	3015.7	3024.3	3033.7	3043.0	3055.1	3067.1	3082.1	3096.8
5°	2816.4	2807.5	2816.4	2825.4	2834.3	2846.1	2857.9	2874.5	2891.1	2914.9	2938.6
7.5°	2703.4	2697.3	2703.4	2711.4	2719.5	2733.0	2746.5	2766.3	2786.0	2814.1	2842.3
10°	2673.5	2670.7	2673.5	2680.4	2687.2	2700.0	2712.8	2735.1	2757.1	2790.9	2824.6
12.5°	2722.4	2721.4	2722.4	2728.2	2734.1	2748.2	2762.6	2791.1	2819.6	2862.6	2905.7
15°	2810.7	2810.0	2810.7	2818.2	2825.8	2845.6	2865.5	2908.8	2952.1	3013.4	3074.7
17.5°	2886.3	2884.8	2886.3	2896.0	2905.7	2935.2	2964.5	3028.4	3092.2	3173.4	3254.5
20°	2925.2	2921.5	2925.2	2937.3	2949.3	2987.1	3024.7	3102.8	3181.1	3273.7	3366.6
22.5°	2920.8	2915.1	2920.8	2934.2	2947.4	2987.2	3026.8	3107.5	3188.1	3276.7	3365.4
25°	2871.8	2864.5	2871.8	2884.2	2896.8	2931.1	2965.5	3037.0	3108.6	3181.2	3253.9
27.5°	2787.9	2786.0	2787.9	2793.5	2799.3	2822.4	2845.5	2901.1	2956.7	3008.4	3060.1
30°	2673.9	2675.8	2673.9	2673.9	2673.9	2685.8	2697.6	2737.6	2777.3	2816.9	2856.3
32.5°	2535.8	2537.8	2535.8	2534.7	2533.7	2541.5	2549.2	2581.0	2612.7	2649.1	2685.3
35°	2389.6	2388.4	2389.6	2392.1	2394.7	2406.3	2418.1	2447.4	2476.7	2502.4	2528.3
37.5°	2241.5	2235.1	2241.5	2252.7	2264.0	2285.2	2306.7	2333.7	2360.8	2372.7	2384.6
40°	2100.6	2088.2	2100.6	2121.4	2142.5	2173.3	2204.5	2227.4	2250.3	2247.5	2244.6
42.5°	1962.6	1942.6	1962.6	1993.1	2023.7	2062.3	2100.8	2120.1	2139.5	2124.9	2110.4
45°	1839.0	1816.0	1839.0	1874.8	1910.7	1954.8	1999.0	2016.3	2033.8	2012.9	1992.0
47.5°	1773.6	1751.4	1773.6	1806.6	1839.8	1879.0	1918.3	1930.4	1942.6	1918.5	1894.5
50°	1746.1	1724.8	1746.1	1776.7	1807.4	1838.7	1870.1	1870.6	1871.4	1840.5	1809.6
52.5°	1731.7	1712.2	1731.7	1759.1	1786.6	1812.2	1837.7	1831.2	1824.6	1788.0	1751.4
55°	1714.6	1696.9	1714.6	1738.7	1762.8	1785.0	1807.4	1798.3	1789.1	1750.2	1711.4
57.5°	1682.3	1664.0	1682.3	1706.3	1730.1	1752.6	1775.2	1766.0	1756.6	1717.7	1678.5
60°	1637.4	1618.4	1637.4	1661.9	1686.5	1708.5	1730.5	1720.4	1710.2	1671.0	1631.7
62.5°	1567.7	1545.0	1567.7	1593.6	1619.4	1639.3	1659.2	1649.4	1639.7	1603.7	1567.7
65°	1474.7	1455.1	1474.7	1499.6	1524.7	1543.9	1562.9	1553.1	1543.0	1511.4	1479.7
67.5°	1371.4	1353.7	1371.4	1394.7	1418.1	1435.5	1453.1	1443.5	1433.8	1406.4	1379.0
70°	1262.6	1242.3	1262.6	1284.8	1307.1	1321.4	1335.8	1326.4	1317.0	1292.3	1267.6
72.5°	1140.3	1120.7	1140.3	1161.5	1182.7	1194.6	1206.6	1195.5	1184.3	1160.1	1135.9
75°	1005.2	986.5	1005.2	1023.1	1041.0	1046.7	1052.6	1041.0	1029.3	1007.3	985.2
77.5°	850.7	835.8	850.7	868.7	886.7	895.0	903.1	892.3	881.4	858.3	835.2
80°	679.1	650.9	679.1	703.4	727.5	730.9	734.5	720.1	705.6	688.2	670.6
82.5°	504.3	486.3	504.3	524.8	545.2	546.8	548.4	523.8	499.2	461.8	424.2
85°	311.3	295.1	311.3	327.2	343.2	345.7	348.3	317.9	287.5	252.3	217.2
87.5°	128.1	120.3	128.1	136.5	144.6	147.9	151.0	138.7	126.4	111.5	96.9
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3116.0	3135.3	3154.3	3173.5	3195.2	3217.2	3241.4	3265.6	3295.7	3322.6	3350.5
5°	2969.4	3000.3	3034.2	3068.1	3106.5	3145.0	3190.9	3236.8	3289.3	3342.5	3398.9
7.5°	2879.9	2917.7	2960.5	3003.1	3053.8	3104.4	3165.4	3226.4	3294.5	3367.0	3445.6
10°	2867.0	2909.5	2955.6	3001.5	3052.1	3102.8	3167.1	3231.5	3304.6	3394.1	3487.3
12.5°	2949.4	2993.4	3029.4	3065.6	3099.0	3132.7	3185.1	3237.8	3305.8	3399.9	3505.1
15°	3112.8	3151.0	3160.3	3169.7	3165.1	3160.6	3185.6	3210.8	3265.3	3369.5	3491.4
17.5°	3285.1	3316.0	3286.7	3257.3	3202.1	3146.9	3137.7	3128.5	3162.1	3284.7	3431.2
20°	3380.9	3395.1	3333.7	3272.2	3176.3	3080.4	3037.4	2994.3	3003.1	3145.8	3327.5
22.5°	3356.9	3348.3	3268.3	3188.5	3078.8	2969.3	2905.7	2841.9	2824.6	2987.1	3205.8
25°	3224.6	3195.2	3116.6	3038.0	2939.5	2841.1	2767.6	2694.2	2647.3	2813.8	3069.9
27.5°	3027.3	2994.6	2931.6	2868.6	2787.8	2706.8	2635.9	2565.0	2508.0	2659.6	2945.6
30°	2829.7	2803.1	2750.7	2698.3	2631.3	2564.1	2507.7	2451.4	2406.7	2534.0	2841.8
32.5°	2655.7	2626.2	2575.9	2525.7	2472.1	2418.5	2385.2	2351.9	2332.0	2434.6	2752.3
35°	2492.8	2457.3	2407.6	2357.9	2317.2	2276.3	2267.0	2257.9	2266.2	2351.7	2664.3
37.5°	2340.7	2296.9	2247.3	2197.8	2168.5	2139.2	2149.2	2159.4	2189.5	2264.2	2560.7
40°	2194.1	2143.7	2095.8	2048.0	2026.8	2005.6	2028.6	2051.5	2097.8	2165.4	2437.1
42.5°	2055.9	2001.5	1956.0	1910.7	1893.3	1876.1	1906.5	1936.8	1995.2	2057.6	2300.7
45°	1935.5	1879.0	1836.0	1792.9	1778.2	1763.8	1793.2	1823.0	1879.2	1942.6	2155.9
47.5°	1838.7	1783.0	1741.0	1698.8	1685.3	1671.6	1696.4	1721.2	1769.8	1851.5	2041.2
50°	1759.7	1709.8	1670.2	1630.5	1609.0	1587.7	1609.7	1631.7	1688.1	1795.4	1965.1
52.5°	1704.8	1658.2	1622.0	1585.5	1553.6	1521.5	1543.1	1565.0	1643.7	1767.2	1915.0
55°	1670.9	1630.1	1590.8	1551.5	1506.2	1460.7	1495.1	1529.5	1648.2	1763.0	1878.6
57.5°	1638.2	1597.9	1551.7	1505.7	1456.8	1407.9	1458.1	1508.2	1652.6	1753.9	1835.6
60°	1590.7	1549.8	1496.8	1443.9	1401.1	1358.1	1423.2	1488.2	1638.7	1705.5	1769.8
62.5°	1524.1	1480.4	1418.6	1356.9	1329.6	1302.5	1383.6	1464.9	1604.4	1612.7	1655.3
65°	1438.0	1396.2	1329.9	1263.8	1253.5	1242.9	1329.4	1415.8	1522.1	1521.1	1541.3
67.5°	1339.6	1299.9	1238.7	1177.7	1181.0	1184.3	1256.2	1328.2	1388.0	1390.7	1379.5
70°	1233.4	1199.2	1145.5	1091.8	1103.2	1114.7	1165.8	1217.0	1236.6	1236.6	1184.6
72.5°	1105.1	1074.1	1032.0	989.6	1006.2	1023.0	1058.0	1093.2	1092.9	1080.5	1006.7
75°	957.2	929.3	897.8	866.4	882.5	898.5	925.6	952.5	957.4	900.2	817.3
77.5°	811.1	787.0	761.6	736.1	752.2	768.4	790.1	811.7	814.3	720.0	639.5
80°	650.3	630.0	608.8	587.6	601.3	614.8	633.0	651.2	651.5	538.8	470.8
82.5°	431.3	438.4	440.1	442.0	451.6	461.2	470.1	479.0	473.7	377.4	327.2
85°	236.8	256.5	265.7	274.8	285.6	296.3	305.9	315.3	308.3	236.8	200.1
87.5°	111.9	126.9	127.3	127.6	129.7	131.7	135.5	139.3	130.5	100.7	85.6
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: P968159
 CATALOG NUMBER: NAV-SB5B-722-U-SLL

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1	3300.1
2.5°	3378.4	3407.5	3436.6	3465.5	3494.5	3521.7	3549.0
5°	3455.3	3515.5	3575.9	3635.8	3695.8	3756.0	3816.2
7.5°	3524.3	3613.5	3702.8	3794.6	3886.2	3985.3	4084.6
10°	3580.2	3688.8	3797.1	3918.3	4039.4	4164.9	4290.4
12.5°	3610.4	3738.3	3866.2	4003.4	4140.7	4278.5	4416.4
15°	3613.1	3760.4	3907.7	4056.6	4205.6	4349.3	4493.0
17.5°	3577.7	3748.6	3919.6	4082.1	4244.5	4390.3	4536.0
20°	3509.1	3716.2	3923.4	4101.9	4280.5	4432.1	4583.6
22.5°	3424.4	3676.5	3928.5	4128.8	4329.0	4483.9	4638.6
25°	3326.1	3637.2	3948.5	4177.5	4406.3	4557.9	4709.6
27.5°	3231.7	3611.0	3990.3	4253.4	4516.5	4661.2	4805.8
30°	3149.7	3598.7	4047.5	4351.8	4656.2	4795.8	4935.6
32.5°	3069.9	3583.5	4096.9	4454.5	4812.2	4950.4	5088.8
35°	2976.9	3554.9	4133.1	4571.5	5010.0	5142.5	5275.0
37.5°	2857.2	3505.9	4154.6	4702.6	5250.6	5419.5	5588.4
40°	2708.8	3438.4	4168.2	4869.0	5569.6	5815.8	6062.1
42.5°	2543.8	3368.8	4193.9	5086.7	5979.4	6334.8	6690.2
45°	2369.1	3304.1	4239.1	5373.2	6507.1	6986.5	7465.8
47.5°	2231.0	3250.6	4270.2	5678.3	7086.5	7761.2	8435.9
50°	2134.9	3192.4	4249.9	5961.5	7673.0	8690.3	9707.3
52.5°	2062.9	3094.0	4125.1	6145.4	8165.5	9666.1	11166.7
55°	1994.2	2930.9	3867.4	6104.8	8342.1	10531.3	12720.6
57.5°	1917.3	2700.9	3484.4	5819.6	8155.1	11144.4	14133.7
60°	1833.9	2402.3	2970.7	5288.9	7607.2	11297.7	14988.0
62.5°	1697.9	2044.9	2391.8	4571.3	6750.6	10652.4	14554.2
65°	1561.4	1723.3	1885.4	3839.0	5792.9	9739.6	13686.1
67.5°	1368.3	1414.4	1460.3	3121.8	4783.3	8653.2	12522.9
70°	1132.4	1119.3	1106.2	2458.0	3809.8	7467.6	11125.6
72.5°	932.6	892.9	853.3	1879.1	2905.1	6182.6	9460.3
75°	734.5	698.5	662.6	1363.9	2065.2	4709.5	7353.8
77.5°	559.1	534.5	510.0	924.1	1338.2	3296.2	5254.2
80°	402.7	392.6	382.4	595.4	808.5	2123.7	3438.8
82.5°	277.1	275.0	273.3	366.2	459.4	1229.1	1999.0
85°	163.4	164.4	165.2	195.8	226.4	552.9	879.4
87.5°	70.6	71.5	72.5	81.2	89.9	181.1	272.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)