

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: P962889

Luminaire Tested: **NAV-SB2D-722-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P962889  
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-SB2D-722-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17169.8 lumens  
Efficiency: N/A  
Efficacy: 116.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

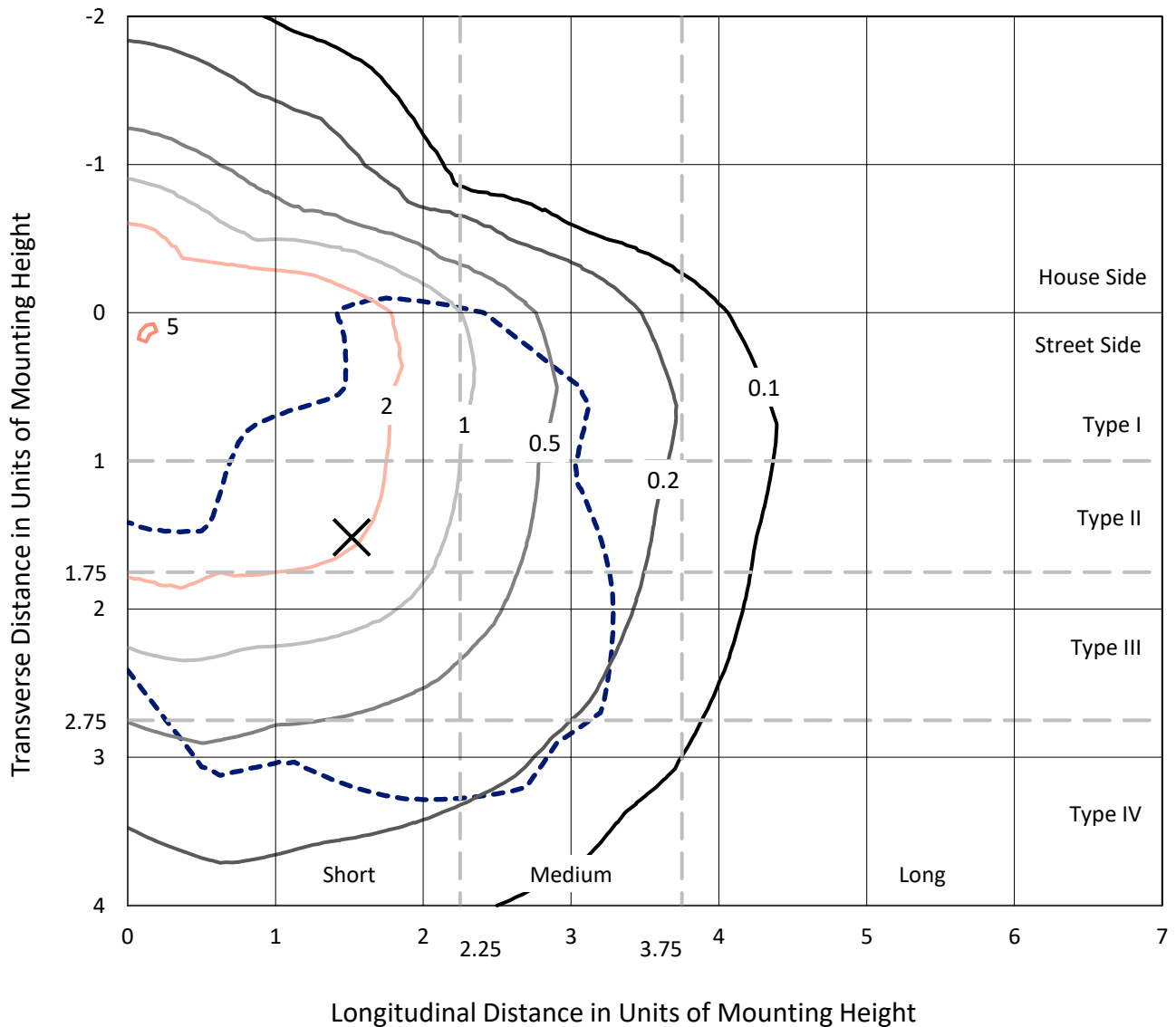
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

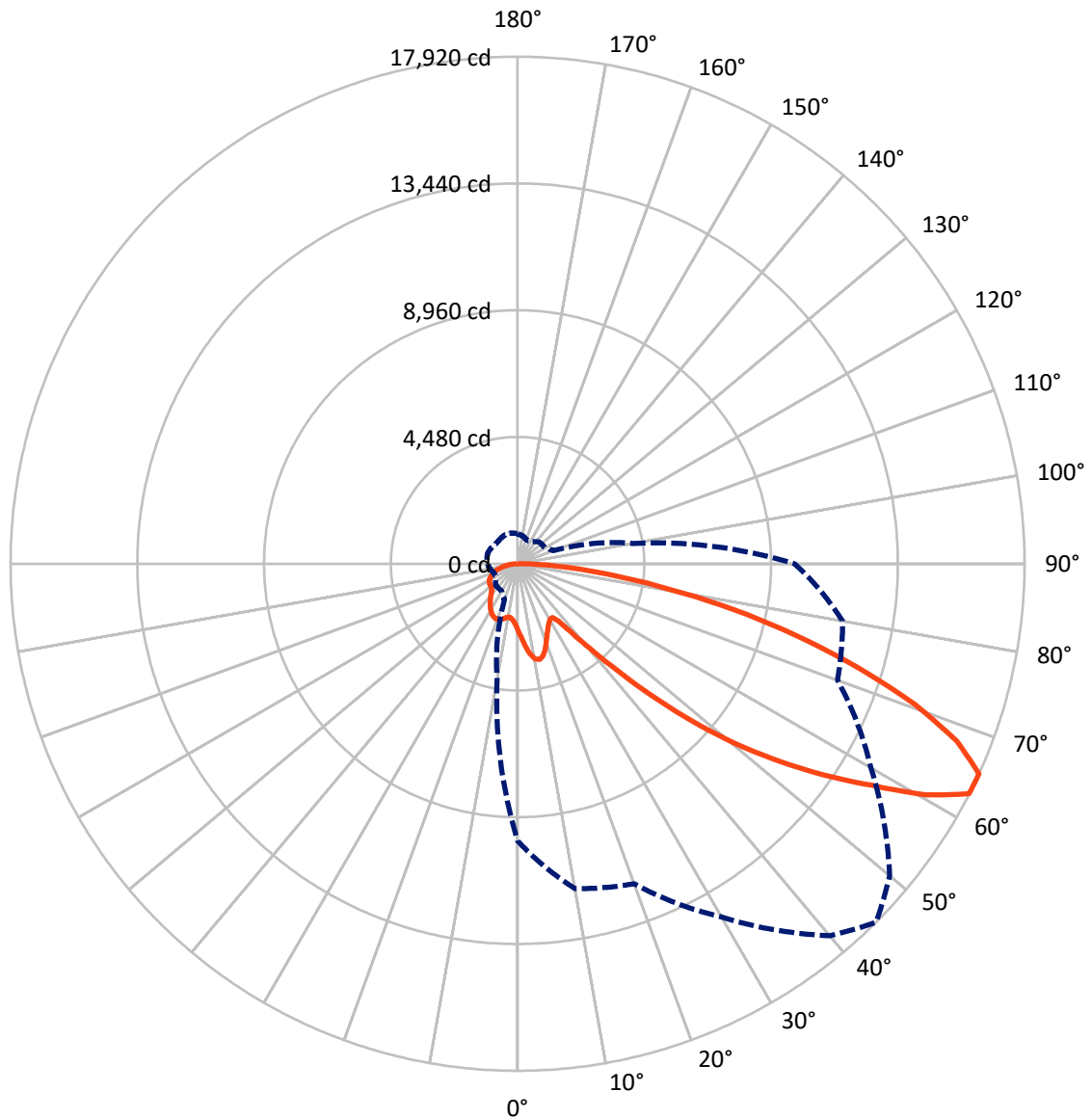
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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	4363.7	0.0	4363.7
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	12806.1	0.0	12806.1
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	17169.8	0.0	17169.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	234.2	1.4
10°-20°	735.2	4.3
20°-30°	1135.7	6.6
30°-40°	1439.2	8.4
40°-50°	2170.7	12.6
50°-60°	3507.0	20.4
60°-70°	4372.1	25.5
70°-80°	2867.0	16.7
80°-90°	708.8	4.1
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	17169.8	100.0
0°-180°	17169.8	100.0

**Coefficient of Utilization**

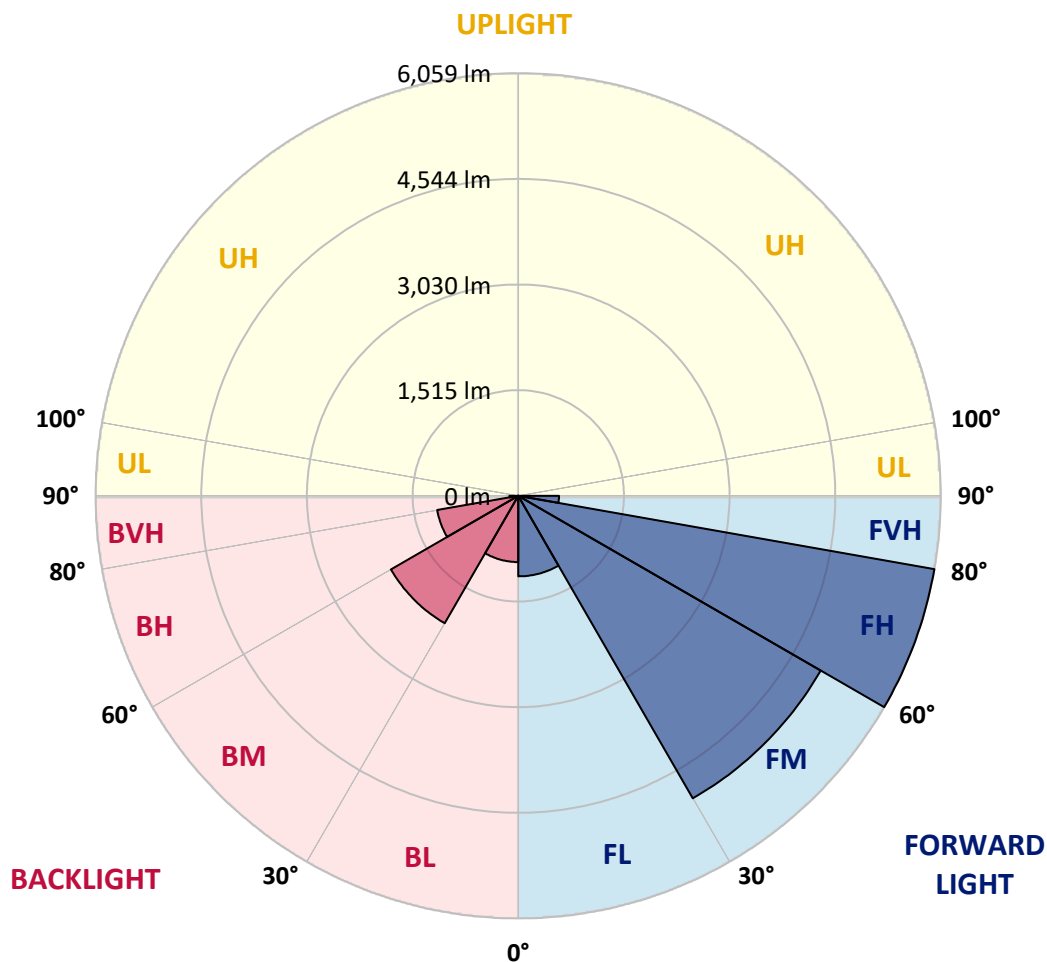


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1154.9	6.7			
FM (30°-60°)	5008.0	29.2			
FH (60°-80°)	6059.3	35.3			G3/7500
FVH (80°-90°)	583.9	3.4			G4/750
BL (0°-30°)	950.2	5.5	B2/1000		
BM (30°-60°)	2108.8	12.3	B2/2500		
BH (60°-80°)	1179.7	6.9	B3/2500		G3/2500
BVH (80°-90°)	124.9	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°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2539.0	2548.7	2558.3	2572.0	2585.7	2593.9	2602.0	2606.1	2610.2	2608.3	2610.2
5°	2730.2	2763.8	2797.5	2830.8	2864.3	2882.4	2900.5	2911.5	2922.5	2930.9	2922.5
7.5°	2922.3	2977.0	3031.6	3080.8	3129.9	3159.7	3189.3	3205.3	3221.3	3229.0	3221.3
10°	3069.5	3134.1	3198.8	3256.5	3314.2	3349.2	3384.0	3399.6	3415.1	3421.0	3415.1
12.5°	3159.7	3229.8	3299.8	3352.0	3403.9	3429.3	3454.7	3463.2	3471.8	3472.6	3471.8
15°	3214.4	3275.0	3335.4	3368.0	3400.8	3401.8	3402.7	3393.7	3384.6	3373.9	3384.6
17.5°	3245.3	3286.0	3326.9	3327.6	3328.2	3291.5	3254.8	3221.2	3187.4	3163.7	3187.4
20°	3279.2	3293.4	3307.8	3264.7	3221.7	3140.7	3059.7	3000.7	2941.7	2905.5	2941.7
22.5°	3318.6	3300.0	3281.3	3192.2	3103.0	2983.9	2864.7	2791.0	2717.3	2677.2	2717.3
25°	3369.4	3310.4	3251.6	3116.2	2980.9	2836.2	2691.4	2614.0	2536.6	2498.7	2536.6
27.5°	3438.2	3332.9	3227.5	3048.2	2869.1	2708.7	2548.4	2472.1	2395.8	2360.1	2395.8
30°	3531.0	3374.1	3217.2	2996.5	2775.7	2608.7	2441.7	2370.8	2300.1	2266.8	2300.1
32.5°	3640.7	3425.7	3210.8	2961.1	2711.4	2554.4	2397.4	2341.9	2286.3	2262.3	2286.3
35°	3773.8	3510.7	3247.8	2987.6	2727.4	2618.4	2509.4	2496.4	2483.5	2481.5	2483.5
37.5°	3998.1	3688.7	3379.1	3142.6	2906.2	2899.1	2892.0	2951.3	3010.6	3041.4	3010.6
40°	4337.0	4000.4	3663.8	3488.0	3312.1	3436.2	3560.3	3704.3	3848.5	3920.2	3848.5
42.5°	4786.3	4452.4	4118.4	4017.2	3915.8	4186.5	4457.2	4719.3	4981.3	5135.1	4981.3
45°	5341.2	5041.3	4741.2	4696.5	4651.8	5085.4	5519.2	5949.8	6380.4	6641.8	6380.4
47.5°	6035.2	5743.4	5451.5	5442.4	5433.3	6059.1	6684.5	7314.8	7945.0	8315.1	7945.0
50°	6944.8	6584.3	6223.9	6225.4	6227.0	7033.3	7839.6	8671.6	9503.6	10006.6	9503.6
52.5°	7989.0	7552.4	7116.1	7071.9	7027.7	7990.9	8954.0	9983.4	11012.7	11615.6	11012.7
55°	9100.6	8669.3	8238.1	8066.0	7894.0	8966.0	10037.8	11265.0	12492.2	13209.3	12492.2
57.5°	10111.7	9876.8	9642.0	9296.9	8951.8	10034.2	11116.6	12506.5	13896.4	14785.6	13896.4
60°	10722.7	11087.5	11452.3	11023.8	10595.3	11619.6	12643.9	14132.1	15620.3	16581.3	15620.3
62.5°	10412.5	11409.2	12405.8	12357.5	12309.1	13247.5	14185.9	15601.7	17017.6	17905.8	17017.6
65°	9791.4	10726.8	11662.2	11847.4	12032.4	13224.9	14417.3	15790.3	17163.1	17919.5	17163.1
67.5°	8959.2	9848.9	10738.6	10825.4	10912.2	12154.6	13397.0	14775.8	16154.6	16747.1	16154.6
70°	7959.5	8927.2	9894.9	9933.8	9972.6	11083.7	12194.7	13381.3	14567.7	14897.0	14567.7
72.5°	6768.2	7878.6	8989.1	9017.0	9044.9	9914.2	10783.5	11672.2	12560.8	12594.1	12560.8
75°	5261.0	6410.3	7559.7	7662.9	7766.1	8442.4	9118.7	9744.3	10369.9	10202.2	10369.9
77.5°	3758.9	4831.7	5904.7	6052.4	6200.1	6714.3	7228.4	7672.0	8115.8	7827.7	8115.8
80°	2460.2	3362.8	4265.3	4448.9	4632.5	5020.8	5408.9	5641.9	5874.9	5411.5	5874.9
82.5°	1430.1	2047.1	2664.3	2869.4	3074.5	3341.7	3609.0	3706.2	3803.4	3439.1	3803.4
85°	629.2	956.7	1284.2	1458.7	1633.0	1852.7	2072.1	2127.4	2182.5	1890.8	2182.5
87.5°	194.7	304.8	414.9	512.2	609.6	719.3	829.1	833.8	838.4	704.0	838.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2606.1	2602.0	2593.9	2585.7	2572.0	2558.3	2548.7	2539.0	2519.6	2500.1	2479.3
5°	2911.5	2900.5	2882.4	2864.3	2830.8	2797.5	2763.8	2730.2	2687.1	2644.1	2601.1
7.5°	3205.3	3189.3	3159.7	3129.9	3080.8	3031.6	2977.0	2922.3	2851.2	2780.3	2714.7
10°	3399.6	3384.0	3349.2	3314.2	3256.5	3198.8	3134.1	3069.5	2979.7	2889.9	2803.2
12.5°	3463.2	3454.7	3429.3	3403.9	3352.0	3299.8	3229.8	3159.7	3061.0	2962.4	2864.2
15°	3393.7	3402.7	3401.8	3400.8	3368.0	3335.4	3275.0	3214.4	3111.6	3008.8	2902.2
17.5°	3221.2	3254.8	3291.5	3328.2	3327.6	3326.9	3286.0	3245.3	3140.9	3036.7	2920.4
20°	3000.7	3059.7	3140.7	3221.7	3264.7	3307.8	3293.4	3279.2	3170.8	3062.4	2934.7
22.5°	2791.0	2864.7	2983.9	3103.0	3192.2	3281.3	3300.0	3318.6	3207.9	3097.1	2953.8
25°	2614.0	2691.4	2836.2	2980.9	3116.2	3251.6	3310.4	3369.4	3260.8	3152.4	2988.7
27.5°	2472.1	2548.4	2708.7	2869.1	3048.2	3227.5	3332.9	3438.2	3334.7	3231.2	3043.0
30°	2370.8	2441.7	2608.7	2775.7	2996.5	3217.2	3374.1	3531.0	3431.1	3331.1	3113.4
32.5°	2341.9	2397.4	2554.4	2711.4	2961.1	3210.8	3425.7	3640.7	3541.7	3442.8	3186.9
35°	2496.4	2509.4	2618.4	2727.4	2987.6	3247.8	3510.7	3773.8	3679.1	3584.2	3270.6
37.5°	2951.3	2892.0	2899.1	2906.2	3142.6	3379.1	3688.7	3998.1	3877.3	3756.4	3364.4
40°	3704.3	3560.3	3436.2	3312.1	3488.0	3663.8	4000.4	4337.0	4160.8	3984.7	3483.5
42.5°	4719.3	4457.2	4186.5	3915.8	4017.2	4118.4	4452.4	4786.3	4532.1	4277.8	3639.2
45°	5949.8	5519.2	5085.4	4651.8	4696.5	4741.2	5041.3	5341.2	4998.3	4655.3	3844.1
47.5°	7314.8	6684.5	6059.1	5433.3	5442.4	5451.5	5743.4	6035.2	5552.6	5069.9	4062.4
50°	8671.6	7839.6	7033.3	6227.0	6225.4	6223.9	6584.3	6944.8	6217.2	5489.5	4265.0
52.5°	9983.4	8954.0	7990.9	7027.7	7071.9	7116.1	7552.4	7989.0	6915.4	5841.8	4396.5
55°	11265.0	10037.8	8966.0	7894.0	8066.0	8238.1	8669.3	9100.6	7534.4	5968.2	4367.5
57.5°	12506.5	11116.6	10034.2	8951.8	9296.9	9642.0	9876.8	10111.7	7973.0	5834.3	4163.5
60°	14132.1	12643.9	11619.6	10595.3	11023.8	11452.3	11087.5	10722.7	8082.6	5442.4	3783.8
62.5°	15601.7	14185.9	13247.5	12309.1	12357.5	12405.8	11409.2	10412.5	7621.1	4829.6	3270.5
65°	15790.3	14417.3	13224.9	12032.4	11847.4	11662.2	10726.8	9791.4	6968.0	4144.4	2746.6
67.5°	14775.8	13397.0	12154.6	10912.2	10825.4	10738.6	9848.9	8959.2	6190.7	3422.1	2233.5
70°	13381.3	12194.7	11083.7	9972.6	9933.8	9894.9	8927.2	7959.5	5342.6	2725.7	1758.5
72.5°	11672.2	10783.5	9914.2	9044.9	9017.0	8989.1	7878.6	6768.2	4423.2	2078.3	1344.4
75°	9744.3	9118.7	8442.4	7766.1	7662.9	7559.7	6410.3	5261.0	3369.3	1477.4	975.7
77.5°	7672.0	7228.4	6714.3	6200.1	6052.4	5904.7	4831.7	3758.9	2358.2	957.5	661.2
80°	5641.9	5408.9	5020.8	4632.5	4448.9	4265.3	3362.8	2460.2	1519.4	578.5	426.0
82.5°	3706.2	3609.0	3341.7	3074.5	2869.4	2664.3	2047.1	1430.1	879.3	328.7	262.0
85°	2127.4	2072.1	1852.7	1633.0	1458.7	1284.2	956.7	629.2	395.5	162.0	140.0
87.5°	833.8	829.1	719.3	609.6	512.2	414.9	304.8	194.7	129.6	64.4	58.1
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°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2458.7	2437.9	2417.0	2397.1	2377.1	2357.8	2336.4	2319.0	2301.6	2286.0	2270.4
5°	2558.3	2515.1	2472.0	2431.6	2391.3	2353.3	2315.7	2282.9	2250.0	2222.5	2195.0
7.5°	2649.1	2585.3	2521.4	2465.1	2408.9	2356.9	2308.3	2264.6	2221.0	2184.8	2148.5
10°	2716.6	2639.1	2561.4	2494.8	2428.2	2364.2	2311.9	2265.9	2219.8	2183.6	2147.4
12.5°	2766.0	2674.4	2583.0	2507.7	2432.4	2365.1	2316.4	2278.7	2241.3	2217.1	2193.2
15°	2795.7	2690.3	2584.9	2497.8	2410.6	2336.1	2297.1	2279.1	2261.1	2264.4	2267.7
17.5°	2804.2	2681.9	2559.6	2454.8	2349.9	2262.3	2238.2	2244.9	2251.4	2290.9	2330.3
20°	2807.0	2658.7	2510.4	2380.6	2250.6	2148.5	2142.1	2173.0	2203.9	2272.4	2341.1
22.5°	2810.5	2630.3	2450.0	2293.5	2137.0	2020.8	2033.2	2078.8	2124.3	2202.6	2281.0
25°	2824.9	2602.2	2379.5	2196.3	2013.1	1894.0	1927.5	1980.0	2032.6	2103.0	2173.4
27.5°	2854.7	2583.4	2312.1	2107.4	1902.7	1794.3	1835.1	1885.8	1936.5	1994.4	2052.3
30°	2895.7	2574.6	2253.4	2033.1	1812.9	1721.8	1753.8	1794.1	1834.4	1882.4	1930.5
32.5°	2931.0	2563.7	2196.3	1969.0	1741.8	1668.4	1682.6	1706.4	1730.2	1768.5	1807.0
35°	2956.9	2543.2	2129.7	1906.1	1682.4	1621.2	1615.4	1621.9	1628.5	1657.7	1686.9
37.5°	2972.4	2508.2	2044.1	1832.0	1619.9	1566.4	1544.9	1537.6	1530.4	1551.4	1572.4
40°	2982.0	2459.9	1937.9	1743.5	1549.2	1500.8	1467.7	1451.3	1434.9	1450.1	1465.1
42.5°	3000.5	2410.1	1820.0	1645.9	1472.0	1427.4	1385.7	1364.0	1342.2	1354.5	1366.9
45°	3032.8	2363.8	1694.9	1542.3	1389.8	1344.5	1304.2	1283.0	1261.9	1272.2	1282.7
47.5°	3055.0	2325.5	1596.1	1460.3	1324.5	1266.1	1231.4	1213.7	1195.9	1205.7	1215.3
50°	3040.5	2283.9	1527.4	1405.9	1284.5	1207.7	1167.4	1151.6	1135.9	1151.2	1166.4
52.5°	2951.3	2213.5	1475.9	1370.0	1264.3	1176.0	1119.6	1104.0	1088.6	1111.5	1134.3
55°	2766.9	2096.8	1426.7	1344.0	1261.3	1179.2	1094.3	1069.6	1045.1	1077.6	1110.0
57.5°	2492.8	1932.3	1371.7	1313.2	1254.8	1182.3	1079.0	1043.1	1007.3	1042.2	1077.2
60°	2125.2	1718.6	1312.0	1266.1	1220.2	1172.3	1064.7	1018.2	971.7	1002.3	1033.0
62.5°	1711.2	1463.0	1214.7	1184.2	1153.7	1147.9	1048.1	989.8	931.8	951.3	970.8
65°	1348.8	1233.0	1117.0	1102.7	1088.2	1089.0	1012.9	951.1	889.2	896.8	904.2
67.5°	1044.8	1011.9	978.9	987.0	995.0	992.9	950.2	898.7	847.3	844.9	842.6
70°	791.4	800.8	810.2	847.5	884.7	884.7	870.6	834.0	797.4	789.2	781.2
72.5°	610.5	638.8	667.3	720.2	773.0	781.9	782.1	757.0	731.8	719.9	708.1
75°	474.0	499.8	525.5	584.8	644.0	684.9	681.5	662.2	642.8	631.4	619.9
77.5°	364.9	382.4	400.0	457.6	515.1	582.5	580.8	565.3	549.7	538.1	526.5
80°	273.6	280.8	288.1	336.8	385.5	466.2	465.9	452.9	439.8	430.2	420.4
82.5°	195.5	196.8	198.2	234.1	270.0	338.9	342.7	336.3	329.9	323.1	316.2
85°	118.2	117.6	116.8	143.2	169.4	220.6	225.6	218.8	212.0	204.3	196.6
87.5°	51.9	51.1	50.5	61.3	72.1	93.3	99.6	97.0	94.2	92.8	91.3
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: P962889  
 CATALOG NUMBER: NAV-SB2D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2256.7	2243.0	2229.3	2215.5	2205.0	2194.3	2185.7	2177.1	2170.3	2163.7	2157.5
5°	2170.7	2146.5	2124.4	2102.4	2085.4	2068.3	2056.5	2044.7	2036.2	2027.8	2021.3
7.5°	2118.0	2087.4	2060.4	2033.5	2013.3	1993.1	1979.1	1964.9	1955.2	1945.6	1939.8
10°	2114.5	2081.5	2051.1	2020.8	1996.7	1972.5	1956.7	1940.8	1931.6	1922.5	1917.6
12.5°	2167.3	2141.5	2110.2	2078.8	2048.0	2017.2	1996.8	1976.4	1966.2	1956.0	1951.8
15°	2260.9	2254.3	2227.0	2199.8	2155.9	2112.0	2081.1	2050.1	2035.9	2021.7	2016.3
17.5°	2351.4	2372.4	2350.3	2328.4	2270.3	2212.3	2166.5	2120.9	2099.9	2078.8	2071.9
20°	2385.0	2428.9	2418.8	2408.5	2342.1	2275.8	2219.8	2164.0	2137.0	2110.1	2101.5
22.5°	2338.2	2395.4	2401.6	2407.6	2344.3	2280.8	2223.2	2165.5	2137.1	2108.6	2099.2
25°	2229.7	2286.0	2307.0	2327.9	2275.9	2224.0	2172.7	2121.6	2096.9	2072.4	2063.4
27.5°	2097.4	2142.5	2165.8	2189.3	2152.3	2115.3	2075.5	2035.8	2019.2	2002.6	1998.6
30°	1967.9	2005.4	2024.4	2043.4	2015.3	1987.0	1958.6	1930.0	1921.5	1913.0	1913.0
32.5°	1842.8	1878.8	1899.9	1921.2	1895.2	1869.2	1846.4	1823.8	1818.2	1812.7	1813.4
35°	1722.4	1758.1	1783.4	1808.8	1790.3	1771.9	1750.9	1730.0	1721.6	1713.2	1711.4
37.5°	1607.7	1643.3	1674.6	1706.0	1697.4	1688.9	1669.6	1650.2	1635.0	1619.7	1611.6
40°	1499.4	1533.6	1569.7	1605.9	1607.9	1610.0	1593.6	1577.2	1554.8	1532.8	1517.7
42.5°	1399.4	1431.9	1470.9	1509.8	1520.3	1530.6	1516.8	1503.1	1475.4	1447.7	1425.9
45°	1313.5	1344.3	1384.7	1425.2	1440.0	1455.0	1442.5	1430.1	1398.5	1366.9	1341.3
47.5°	1245.6	1275.6	1315.5	1355.4	1372.6	1389.8	1381.1	1372.4	1344.3	1316.2	1292.5
50°	1194.9	1223.2	1258.9	1294.7	1316.7	1338.9	1338.3	1337.9	1315.5	1293.0	1271.1
52.5°	1160.4	1186.3	1219.6	1253.0	1279.2	1305.3	1310.1	1314.8	1296.4	1278.2	1258.5
55°	1138.1	1166.1	1195.4	1224.5	1252.1	1280.0	1286.5	1293.0	1277.0	1261.2	1243.9
57.5°	1110.2	1143.2	1172.0	1200.9	1228.9	1256.8	1263.4	1270.0	1253.9	1237.8	1220.7
60°	1070.9	1108.7	1138.0	1167.4	1195.5	1223.5	1230.8	1238.0	1222.3	1206.6	1189.0
62.5°	1014.9	1059.1	1090.4	1121.7	1147.4	1173.1	1180.1	1187.1	1172.8	1158.6	1140.1
65°	951.5	998.9	1028.8	1058.6	1081.3	1103.9	1111.1	1118.2	1104.4	1090.8	1072.9
67.5°	886.2	930.0	958.4	986.7	1006.1	1025.7	1032.7	1039.7	1027.0	1014.5	997.8
70°	819.6	857.9	882.4	906.9	924.6	942.2	948.9	955.6	945.4	935.1	919.2
72.5°	738.3	768.4	790.6	812.6	829.9	847.3	855.3	863.3	854.7	846.1	831.0
75°	642.4	664.8	684.8	704.9	720.6	736.4	744.8	753.1	748.9	744.8	732.0
77.5°	544.9	563.0	580.3	597.5	614.1	630.6	638.4	646.2	640.3	634.4	621.5
80°	435.6	450.7	465.2	479.7	492.3	504.8	515.2	525.5	523.0	520.5	503.2
82.5°	314.9	313.6	308.6	303.5	330.4	357.1	374.7	392.3	391.2	390.0	375.5
85°	190.0	183.5	169.4	155.4	180.5	205.6	227.4	249.2	247.3	245.5	234.1
87.5°	91.0	90.8	80.1	69.3	79.8	90.4	99.2	108.0	105.8	103.4	97.7
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: P962889

CATALOG NUMBER: NAV-SB2D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2151.3	2143.6	2151.3	2157.5	2163.7	2170.3	2177.1	2185.7	2194.3	2205.0	2215.5
5°	2014.9	2008.6	2014.9	2021.3	2027.8	2036.2	2044.7	2056.5	2068.3	2085.4	2102.4
7.5°	1934.1	1929.8	1934.1	1939.8	1945.6	1955.2	1964.9	1979.1	1993.1	2013.3	2033.5
10°	1912.8	1910.7	1912.8	1917.6	1922.5	1931.6	1940.8	1956.7	1972.5	1996.7	2020.8
12.5°	1947.7	1947.0	1947.7	1951.8	1956.0	1966.2	1976.4	1996.8	2017.2	2048.0	2078.8
15°	2010.8	2010.3	2010.8	2016.3	2021.7	2035.9	2050.1	2081.1	2112.0	2155.9	2199.8
17.5°	2065.0	2063.8	2065.0	2071.9	2078.8	2099.9	2120.9	2166.5	2212.3	2270.3	2328.4
20°	2092.8	2090.1	2092.8	2101.5	2110.1	2137.0	2164.0	2219.8	2275.8	2342.1	2408.5
22.5°	2089.7	2085.6	2089.7	2099.2	2108.6	2137.1	2165.5	2223.2	2280.8	2344.3	2407.6
25°	2054.6	2049.4	2054.6	2063.4	2072.4	2096.9	2121.6	2172.7	2224.0	2275.9	2327.9
27.5°	1994.5	1993.1	1994.5	1998.6	2002.6	2019.2	2035.8	2075.5	2115.3	2152.3	2189.3
30°	1913.0	1914.4	1913.0	1913.0	1913.0	1921.5	1930.0	1958.6	1987.0	2015.3	2043.4
32.5°	1814.2	1815.6	1814.2	1813.4	1812.7	1818.2	1823.8	1846.4	1869.2	1895.2	1921.2
35°	1709.6	1708.7	1709.6	1711.4	1713.2	1721.6	1730.0	1750.9	1771.9	1790.3	1808.8
37.5°	1603.6	1599.1	1603.6	1611.6	1619.7	1635.0	1650.2	1669.6	1688.9	1697.4	1706.0
40°	1502.9	1493.9	1502.9	1517.7	1532.8	1554.8	1577.2	1593.6	1610.0	1607.9	1605.9
42.5°	1404.0	1389.8	1404.0	1425.9	1447.7	1475.4	1503.1	1516.8	1530.6	1520.3	1509.8
45°	1315.7	1299.2	1315.7	1341.3	1366.9	1398.5	1430.1	1442.5	1455.0	1440.0	1425.2
47.5°	1268.8	1253.0	1268.8	1292.5	1316.2	1344.3	1372.4	1381.1	1389.8	1372.6	1355.4
50°	1249.2	1234.0	1249.2	1271.1	1293.0	1315.5	1337.9	1338.3	1338.9	1316.7	1294.7
52.5°	1238.9	1224.9	1238.9	1258.5	1278.2	1296.4	1314.8	1310.1	1305.3	1279.2	1253.0
55°	1226.7	1214.0	1226.7	1243.9	1261.2	1277.0	1293.0	1286.5	1280.0	1252.1	1224.5
57.5°	1203.6	1190.4	1203.6	1220.7	1237.8	1253.9	1270.0	1263.4	1256.8	1228.9	1200.9
60°	1171.5	1157.8	1171.5	1189.0	1206.6	1222.3	1238.0	1230.8	1223.5	1195.5	1167.4
62.5°	1121.7	1105.3	1121.7	1140.1	1158.6	1172.8	1187.1	1180.1	1173.1	1147.4	1121.7
65°	1055.0	1041.0	1055.0	1072.9	1090.8	1104.4	1118.2	1111.1	1103.9	1081.3	1058.6
67.5°	981.1	968.5	981.1	997.8	1014.5	1027.0	1039.7	1032.7	1025.7	1006.1	986.7
70°	903.2	888.8	903.2	919.2	935.1	945.4	955.6	948.9	942.2	924.6	906.9
72.5°	815.8	801.8	815.8	831.0	846.1	854.7	863.3	855.3	847.3	829.9	812.6
75°	719.1	705.7	719.1	732.0	744.8	748.9	753.1	744.8	736.4	720.6	704.9
77.5°	608.6	598.0	608.6	621.5	634.4	640.3	646.2	638.4	630.6	614.1	597.5
80°	485.7	465.7	485.7	503.2	520.5	523.0	525.5	515.2	504.8	492.3	479.7
82.5°	360.8	347.9	360.8	375.5	390.0	391.2	392.3	374.7	357.1	330.4	303.5
85°	222.7	211.0	222.7	234.1	245.5	247.3	249.2	227.4	205.6	180.5	155.4
87.5°	91.6	86.1	91.6	97.7	103.4	105.8	108.0	99.2	90.4	79.8	69.3
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: P962889  
 CATALOG NUMBER: NAV-SB2D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2229.3	2243.0	2256.7	2270.4	2286.0	2301.6	2319.0	2336.4	2357.8	2377.1	2397.1
5°	2124.4	2146.5	2170.7	2195.0	2222.5	2250.0	2282.9	2315.7	2353.3	2391.3	2431.6
7.5°	2060.4	2087.4	2118.0	2148.5	2184.8	2221.0	2264.6	2308.3	2356.9	2408.9	2465.1
10°	2051.1	2081.5	2114.5	2147.4	2183.6	2219.8	2265.9	2311.9	2364.2	2428.2	2494.8
12.5°	2110.2	2141.5	2167.3	2193.2	2217.1	2241.3	2278.7	2316.4	2365.1	2432.4	2507.7
15°	2227.0	2254.3	2260.9	2267.7	2264.4	2261.1	2279.1	2297.1	2336.1	2410.6	2497.8
17.5°	2350.3	2372.4	2351.4	2330.3	2290.9	2251.4	2244.9	2238.2	2262.3	2349.9	2454.8
20°	2418.8	2428.9	2385.0	2341.1	2272.4	2203.9	2173.0	2142.1	2148.5	2250.6	2380.6
22.5°	2401.6	2395.4	2338.2	2281.0	2202.6	2124.3	2078.8	2033.2	2020.8	2137.0	2293.5
25°	2307.0	2286.0	2229.7	2173.4	2103.0	2032.6	1980.0	1927.5	1894.0	2013.1	2196.3
27.5°	2165.8	2142.5	2097.4	2052.3	1994.4	1936.5	1885.8	1835.1	1794.3	1902.7	2107.4
30°	2024.4	2005.4	1967.9	1930.5	1882.4	1834.4	1794.1	1753.8	1721.8	1812.9	2033.1
32.5°	1899.9	1878.8	1842.8	1807.0	1768.5	1730.2	1706.4	1682.6	1668.4	1741.8	1969.0
35°	1783.4	1758.1	1722.4	1686.9	1657.7	1628.5	1621.9	1615.4	1621.2	1682.4	1906.1
37.5°	1674.6	1643.3	1607.7	1572.4	1551.4	1530.4	1537.6	1544.9	1566.4	1619.9	1832.0
40°	1569.7	1533.6	1499.4	1465.1	1450.1	1434.9	1451.3	1467.7	1500.8	1549.2	1743.5
42.5°	1470.9	1431.9	1399.4	1366.9	1354.5	1342.2	1364.0	1385.7	1427.4	1472.0	1645.9
45°	1384.7	1344.3	1313.5	1282.7	1272.2	1261.9	1283.0	1304.2	1344.5	1389.8	1542.3
47.5°	1315.5	1275.6	1245.6	1215.3	1205.7	1195.9	1213.7	1231.4	1266.1	1324.5	1460.3
50°	1258.9	1223.2	1194.9	1166.4	1151.2	1135.9	1151.6	1167.4	1207.7	1284.5	1405.9
52.5°	1219.6	1186.3	1160.4	1134.3	1111.5	1088.6	1104.0	1119.6	1176.0	1264.3	1370.0
55°	1195.4	1166.1	1138.1	1110.0	1077.6	1045.1	1069.6	1094.3	1179.2	1261.3	1344.0
57.5°	1172.0	1143.2	1110.2	1077.2	1042.2	1007.3	1043.1	1079.0	1182.3	1254.8	1313.2
60°	1138.0	1108.7	1070.9	1033.0	1002.3	971.7	1018.2	1064.7	1172.3	1220.2	1266.1
62.5°	1090.4	1059.1	1014.9	970.8	951.3	931.8	989.8	1048.1	1147.9	1153.7	1184.2
65°	1028.8	998.9	951.5	904.2	896.8	889.2	951.1	1012.9	1089.0	1088.2	1102.7
67.5°	958.4	930.0	886.2	842.6	844.9	847.3	898.7	950.2	992.9	995.0	987.0
70°	882.4	857.9	819.6	781.2	789.2	797.4	834.0	870.6	884.7	884.7	847.5
72.5°	790.6	768.4	738.3	708.1	719.9	731.8	757.0	782.1	781.9	773.0	720.2
75°	684.8	664.8	642.4	619.9	631.4	642.8	662.2	681.5	684.9	644.0	584.8
77.5°	580.3	563.0	544.9	526.5	538.1	549.7	565.3	580.8	582.5	515.1	457.6
80°	465.2	450.7	435.6	420.4	430.2	439.8	452.9	465.9	466.2	385.5	336.8
82.5°	308.6	313.6	314.9	316.2	323.1	329.9	336.3	342.7	338.9	270.0	234.1
85°	169.4	183.5	190.0	196.6	204.3	212.0	218.8	225.6	220.6	169.4	143.2
87.5°	80.1	90.8	91.0	91.3	92.8	94.2	97.0	99.6	93.3	72.1	61.3
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: P962889

CATALOG NUMBER: NAV-SB2D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0	2361.0
2.5°	2417.0	2437.9	2458.7	2479.3	2500.1	2519.6	2539.0
5°	2472.0	2515.1	2558.3	2601.1	2644.1	2687.1	2730.2
7.5°	2521.4	2585.3	2649.1	2714.7	2780.3	2851.2	2922.3
10°	2561.4	2639.1	2716.6	2803.2	2889.9	2979.7	3069.5
12.5°	2583.0	2674.4	2766.0	2864.2	2962.4	3061.0	3159.7
15°	2584.9	2690.3	2795.7	2902.2	3008.8	3111.6	3214.4
17.5°	2559.6	2681.9	2804.2	2920.4	3036.7	3140.9	3245.3
20°	2510.4	2658.7	2807.0	2934.7	3062.4	3170.8	3279.2
22.5°	2450.0	2630.3	2810.5	2953.8	3097.1	3207.9	3318.6
25°	2379.5	2602.2	2824.9	2988.7	3152.4	3260.8	3369.4
27.5°	2312.1	2583.4	2854.7	3043.0	3231.2	3334.7	3438.2
30°	2253.4	2574.6	2895.7	3113.4	3331.1	3431.1	3531.0
32.5°	2196.3	2563.7	2931.0	3186.9	3442.8	3541.7	3640.7
35°	2129.7	2543.2	2956.9	3270.6	3584.2	3679.1	3773.8
37.5°	2044.1	2508.2	2972.4	3364.4	3756.4	3877.3	3998.1
40°	1937.9	2459.9	2982.0	3483.5	3984.7	4160.8	4337.0
42.5°	1820.0	2410.1	3000.5	3639.2	4277.8	4532.1	4786.3
45°	1694.9	2363.8	3032.8	3844.1	4655.3	4998.3	5341.2
47.5°	1596.1	2325.5	3055.0	4062.4	5069.9	5552.6	6035.2
50°	1527.4	2283.9	3040.5	4265.0	5489.5	6217.2	6944.8
52.5°	1475.9	2213.5	2951.3	4396.5	5841.8	6915.4	7989.0
55°	1426.7	2096.8	2766.9	4367.5	5968.2	7534.4	9100.6
57.5°	1371.7	1932.3	2492.8	4163.5	5834.3	7973.0	10111.7
60°	1312.0	1718.6	2125.2	3783.8	5442.4	8082.6	10722.7
62.5°	1214.7	1463.0	1711.2	3270.5	4829.6	7621.1	10412.5
65°	1117.0	1233.0	1348.8	2746.6	4144.4	6968.0	9791.4
67.5°	978.9	1011.9	1044.8	2233.5	3422.1	6190.7	8959.2
70°	810.2	800.8	791.4	1758.5	2725.7	5342.6	7959.5
72.5°	667.3	638.8	610.5	1344.4	2078.3	4423.2	6768.2
75°	525.5	499.8	474.0	975.7	1477.4	3369.3	5261.0
77.5°	400.0	382.4	364.9	661.2	957.5	2358.2	3758.9
80°	288.1	280.8	273.6	426.0	578.5	1519.4	2460.2
82.5°	198.2	196.8	195.5	262.0	328.7	879.3	1430.1
85°	116.8	117.6	118.2	140.0	162.0	395.5	629.2
87.5°	50.5	51.1	51.9	58.1	64.4	129.6	194.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)