

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: P962920

Luminaire Tested: **NAV-SB2D-727-U-SLL**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P962920  
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-727-U-SLL  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(2) 70 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19278.2 lumens  
Efficiency: N/A  
Efficacy: 130.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G4

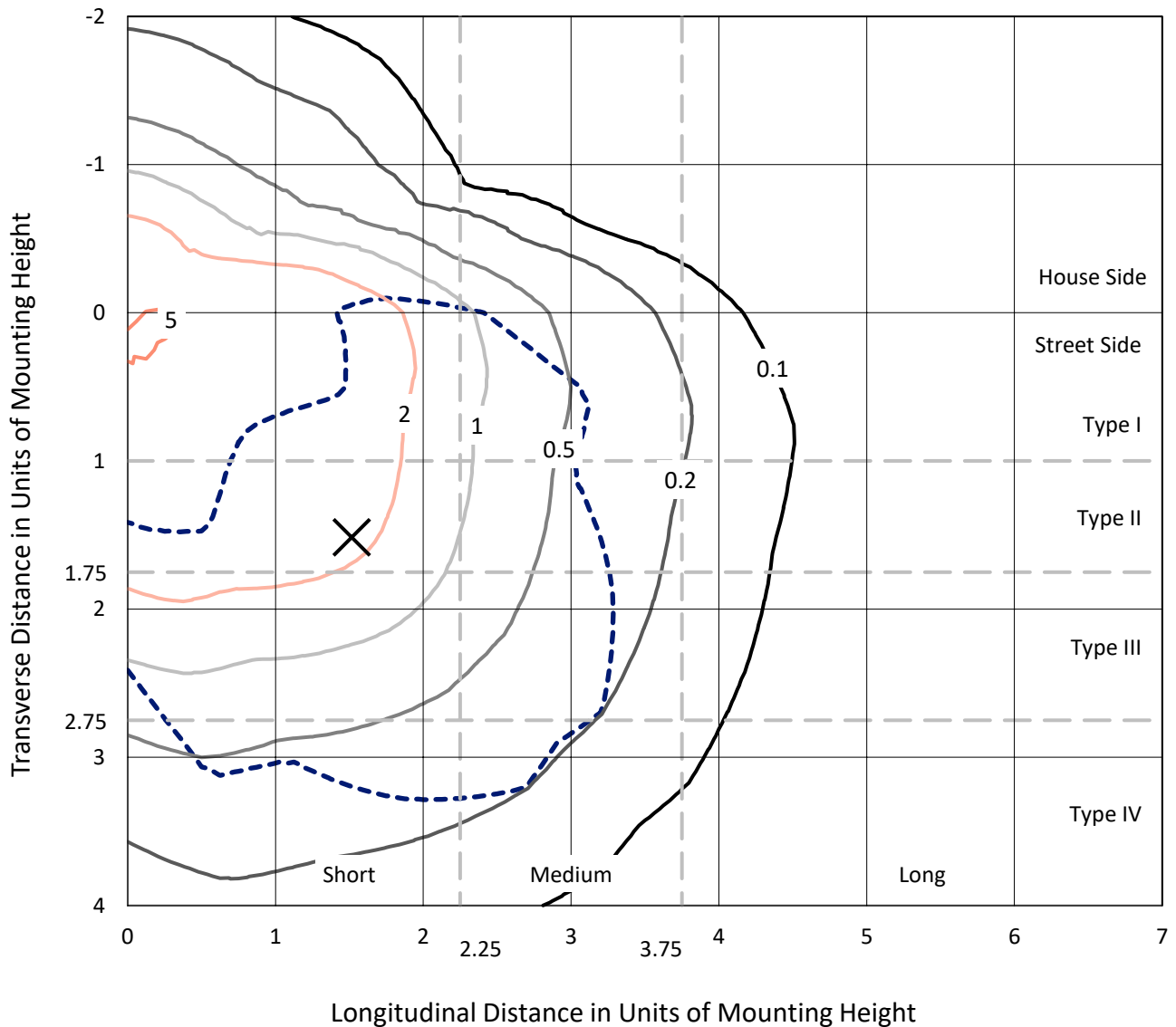
Input Watts (W): 147.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

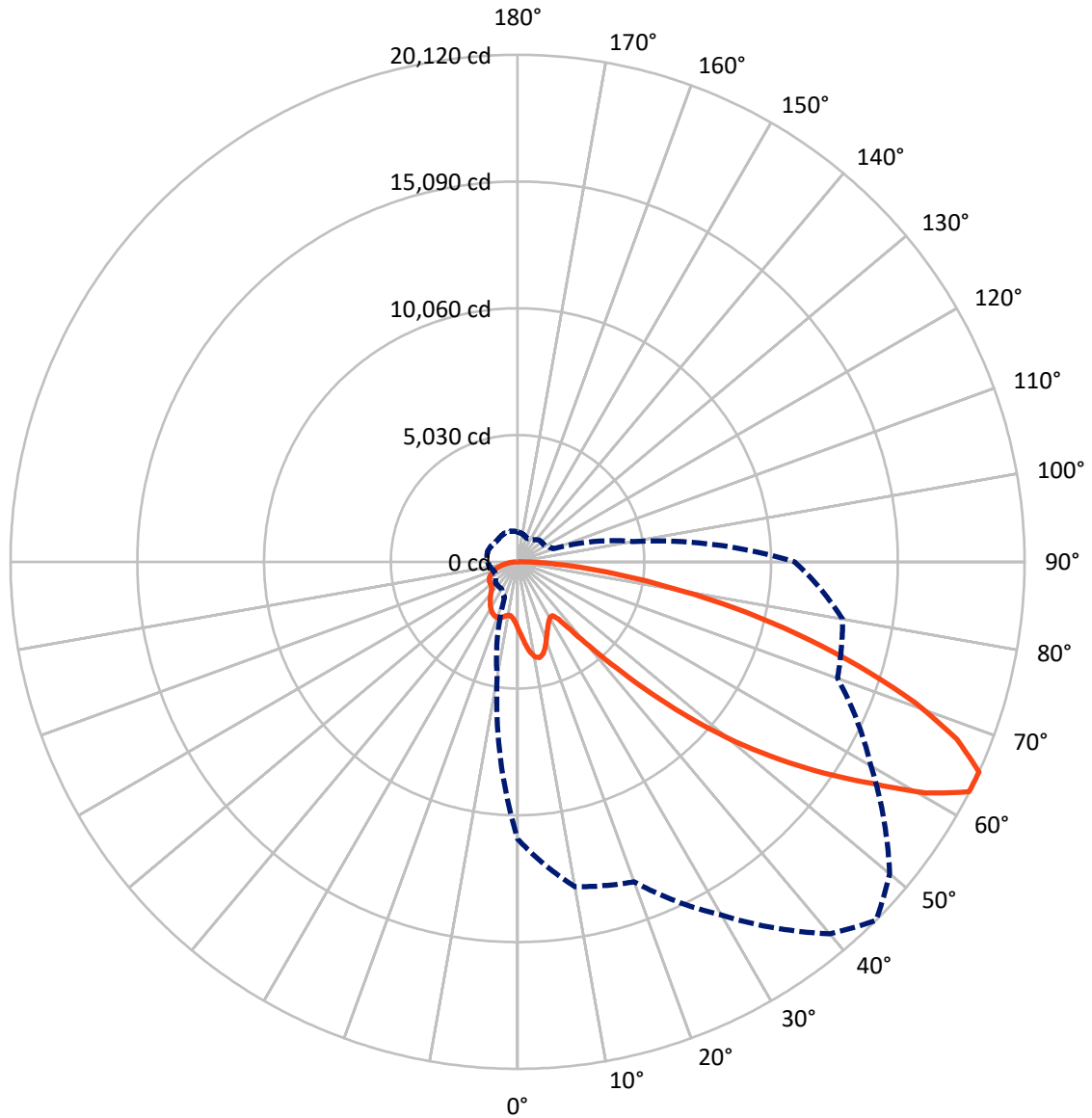
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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	4899.5	0.0	4899.5
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	14378.6	0.0	14378.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	19278.2	0.0	19278.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	263.0	1.4
10°-20°	825.5	4.3
20°-30°	1275.1	6.6
30°-40°	1615.9	8.4
40°-50°	2437.2	12.6
50°-60°	3937.7	20.4
60°-70°	4908.9	25.5
70°-80°	3219.0	16.7
80°-90°	795.8	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°	19278.2	100.0
0°-180°	19278.2	100.0

**Coefficient of Utilization**

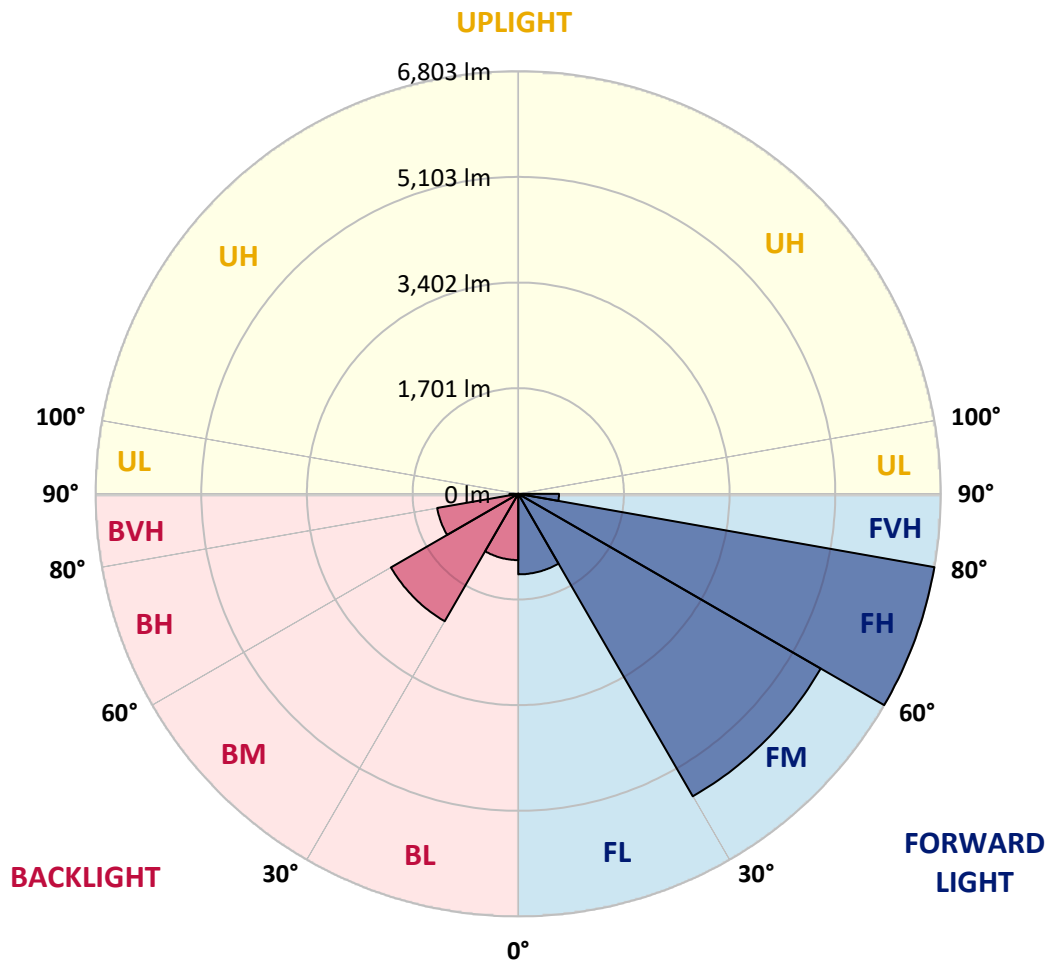


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1296.7	6.7			
FM (30°-60°)	5623.0	29.2			
FH (60°-80°)	6803.4	35.3			G3/7500
FVH (80°-90°)	655.6	3.4			G4/750
BL (0°-30°)	1066.9	5.5	B3/2500		
BM (30°-60°)	2367.8	12.3	B2/2500		
BH (60°-80°)	1324.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	140.2	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°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2850.8	2861.6	2872.5	2887.8	2903.2	2912.3	2921.5	2926.1	2930.7	2928.6	2930.7
5°	3065.5	3103.2	3141.0	3178.4	3216.0	3236.3	3256.7	3269.0	3281.4	3290.8	3281.4
7.5°	3281.1	3342.5	3403.9	3459.1	3514.3	3547.6	3580.8	3598.9	3616.8	3625.4	3616.8
10°	3446.4	3519.0	3591.7	3656.5	3721.3	3760.5	3799.6	3817.1	3834.4	3841.1	3834.4
12.5°	3547.6	3626.3	3705.0	3763.6	3821.9	3850.4	3878.9	3888.4	3898.1	3899.1	3898.1
15°	3609.1	3677.1	3744.9	3781.6	3818.5	3819.6	3820.6	3810.3	3800.2	3788.2	3800.2
17.5°	3643.8	3689.6	3735.5	3736.2	3736.8	3695.6	3654.4	3616.7	3578.9	3552.2	3578.9
20°	3681.9	3697.9	3713.9	3665.6	3617.3	3526.3	3435.4	3369.2	3303.0	3262.3	3303.0
22.5°	3726.2	3705.2	3684.3	3584.1	3484.1	3350.3	3216.6	3133.7	3050.9	3005.9	3050.9
25°	3783.1	3717.0	3650.8	3498.8	3346.9	3184.5	3022.0	2934.9	2848.1	2805.5	2848.1
27.5°	3860.5	3742.2	3623.9	3422.6	3221.4	3041.4	2861.3	2775.6	2690.1	2649.9	2690.1
30°	3964.7	3788.4	3612.2	3364.4	3116.6	2929.0	2741.5	2662.0	2582.6	2545.1	2582.6
32.5°	4087.8	3846.4	3605.1	3324.7	3044.4	2868.1	2691.9	2629.4	2567.0	2540.1	2567.0
35°	4237.3	3941.8	3646.5	3354.4	3062.4	2939.9	2817.5	2803.0	2788.4	2786.3	2788.4
37.5°	4489.1	4141.6	3794.1	3528.6	3263.1	3255.2	3247.2	3313.7	3380.2	3414.9	3380.2
40°	4869.5	4491.7	4113.7	3916.2	3718.8	3858.2	3997.5	4159.2	4321.0	4401.6	4321.0
42.5°	5374.1	4999.1	4624.2	4510.4	4396.7	4700.6	5004.6	5298.7	5593.0	5765.7	5593.0
45°	5997.1	5660.4	5323.4	5273.2	5223.0	5710.0	6197.0	6680.4	7163.9	7457.4	7163.9
47.5°	6776.3	6448.7	6120.9	6110.7	6100.6	6803.0	7505.4	8213.0	8920.7	9336.2	8920.7
50°	7797.6	7392.9	6988.2	6990.0	6991.6	7897.0	8802.4	9736.5	10670.6	11235.3	10670.6
52.5°	8970.0	8479.9	7989.9	7940.4	7890.7	8972.1	10053.5	11209.3	12365.0	13042.0	12365.0
55°	10218.1	9733.9	9249.7	9056.6	8863.4	10066.9	11270.5	12648.3	14026.2	14831.3	14026.2
57.5°	11353.4	11089.7	10825.9	10438.5	10051.2	11266.4	12481.7	14042.3	15602.9	16601.3	15602.9
60°	12039.5	12449.0	12858.7	12377.5	11896.4	13046.5	14196.6	15867.5	17538.4	18617.5	17538.4
62.5°	11691.2	12810.1	13929.2	13875.0	13820.7	14874.3	15927.9	17517.7	19107.2	20104.7	19107.2
65°	10993.7	12044.1	13094.4	13302.2	13509.9	14848.8	16187.8	17729.3	19270.7	20119.9	19270.7
67.5°	10059.5	11058.4	12057.3	12154.8	12252.1	13647.2	15042.1	16590.2	18138.3	18803.6	18138.3
70°	8937.0	10023.5	11110.1	11153.6	11197.2	12444.7	13692.3	15024.4	16356.6	16726.5	16356.6
72.5°	7599.2	8846.1	10093.1	10124.3	10155.6	11131.6	12107.6	13105.4	14103.2	14140.6	14103.2
75°	5907.1	7197.6	8488.0	8603.8	8719.8	9479.1	10238.5	10940.8	11643.3	11455.1	11643.3
77.5°	4220.5	5425.1	6629.8	6795.6	6961.5	7538.8	8116.1	8614.2	9112.5	8789.0	9112.5
80°	2762.3	3775.8	4789.1	4995.2	5201.4	5637.3	6073.1	6334.7	6596.3	6076.0	6596.3
82.5°	1605.7	2298.6	2991.5	3221.7	3452.0	3752.1	4052.1	4161.3	4270.4	3861.4	4270.4
85°	706.4	1074.2	1442.0	1637.7	1833.5	2080.1	2326.6	2388.6	2450.6	2123.0	2450.6
87.5°	218.7	342.3	465.9	575.1	684.4	807.7	931.0	936.2	941.5	790.4	941.5
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°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2926.1	2921.5	2912.3	2903.2	2887.8	2872.5	2861.6	2850.8	2828.9	2807.1	2783.8
5°	3269.0	3256.7	3236.3	3216.0	3178.4	3141.0	3103.2	3065.5	3017.1	2968.8	2920.6
7.5°	3598.9	3580.8	3547.6	3514.3	3459.1	3403.9	3342.5	3281.1	3201.4	3121.7	3048.0
10°	3817.1	3799.6	3760.5	3721.3	3656.5	3591.7	3519.0	3446.4	3345.6	3244.7	3147.5
12.5°	3888.4	3878.9	3850.4	3821.9	3763.6	3705.0	3626.3	3547.6	3436.8	3326.1	3215.9
15°	3810.3	3820.6	3819.6	3818.5	3781.6	3744.9	3677.1	3609.1	3493.7	3378.2	3258.6
17.5°	3616.7	3654.4	3695.6	3736.8	3736.2	3735.5	3689.6	3643.8	3526.6	3409.6	3279.1
20°	3369.2	3435.4	3526.3	3617.3	3665.6	3713.9	3697.9	3681.9	3560.2	3438.5	3295.1
22.5°	3133.7	3216.6	3350.3	3484.1	3584.1	3684.3	3705.2	3726.2	3601.8	3477.4	3316.6
25°	2934.9	3022.0	3184.5	3346.9	3498.8	3650.8	3717.0	3783.1	3661.2	3539.4	3355.6
27.5°	2775.6	2861.3	3041.4	3221.4	3422.6	3623.9	3742.2	3860.5	3744.2	3628.0	3416.7
30°	2662.0	2741.5	2929.0	3116.6	3364.4	3612.2	3788.4	3964.7	3852.4	3740.2	3495.8
32.5°	2629.4	2691.9	2868.1	3044.4	3324.7	3605.1	3846.4	4087.8	3976.6	3865.5	3578.3
35°	2803.0	2817.5	2939.9	3062.4	3354.4	3646.5	3941.8	4237.3	4130.9	4024.4	3672.3
37.5°	3313.7	3247.2	3255.2	3263.1	3528.6	3794.1	4141.6	4489.1	4353.4	4217.7	3777.5
40°	4159.2	3997.5	3858.2	3718.8	3916.2	4113.7	4491.7	4869.5	4671.7	4474.0	3911.2
42.5°	5298.7	5004.6	4700.6	4396.7	4510.4	4624.2	4999.1	5374.1	5088.6	4803.2	4086.1
45°	6680.4	6197.0	5710.0	5223.0	5273.2	5323.4	5660.4	5997.1	5612.1	5227.1	4316.2
47.5°	8213.0	7505.4	6803.0	6100.6	6110.7	6120.9	6448.7	6776.3	6234.5	5692.4	4561.2
50°	9736.5	8802.4	7897.0	6991.6	6990.0	6988.2	7392.9	7797.6	6980.7	6163.6	4788.7
52.5°	11209.3	10053.5	8972.1	7890.7	7940.4	7989.9	8479.9	8970.0	7764.6	6559.2	4936.4
55°	12648.3	11270.5	10066.9	8863.4	9056.6	9249.7	9733.9	10218.1	8459.5	6701.0	4903.9
57.5°	14042.3	12481.7	11266.4	10051.2	10438.5	10825.9	11089.7	11353.4	8952.0	6550.8	4674.8
60°	15867.5	14196.6	13046.5	11896.4	12377.5	12858.7	12449.0	12039.5	9075.1	6110.7	4248.5
62.5°	17517.7	15927.9	14874.3	13820.7	13875.0	13929.2	12810.1	11691.2	8556.9	5422.7	3672.1
65°	17729.3	16187.8	14848.8	13509.9	13302.2	13094.4	12044.1	10993.7	7823.5	4653.4	3083.8
67.5°	16590.2	15042.1	13647.2	12252.1	12154.8	12057.3	11058.4	10059.5	6950.8	3842.3	2507.7
70°	15024.4	13692.3	12444.7	11197.2	11153.6	11110.1	10023.5	8937.0	5998.6	3060.3	1974.5
72.5°	13105.4	12107.6	11131.6	10155.6	10124.3	10093.1	8846.1	7599.2	4966.3	2333.5	1509.5
75°	10940.8	10238.5	9479.1	8719.8	8603.8	8488.0	7197.6	5907.1	3783.0	1658.9	1095.5
77.5°	8614.2	8116.1	7538.8	6961.5	6795.6	6629.8	5425.1	4220.5	2647.8	1075.0	742.4
80°	6334.7	6073.1	5637.3	5201.4	4995.2	4789.1	3775.8	2762.3	1705.9	649.5	478.3
82.5°	4161.3	4052.1	3752.1	3452.0	3221.7	2991.5	2298.6	1605.7	987.3	369.1	294.2
85°	2388.6	2326.6	2080.1	1833.5	1637.7	1442.0	1074.2	706.4	444.1	181.8	157.2
87.5°	936.2	931.0	807.7	684.4	575.1	465.9	342.3	218.7	145.4	72.3	65.2
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°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2760.5	2737.2	2713.8	2691.4	2669.0	2647.4	2623.3	2603.7	2584.3	2566.7	2549.2
5°	2872.5	2824.0	2775.5	2730.3	2685.0	2642.2	2600.0	2563.2	2526.3	2495.4	2464.5
7.5°	2974.4	2902.7	2830.9	2767.8	2704.7	2646.3	2591.7	2542.7	2493.7	2453.0	2412.3
10°	3050.2	2963.1	2875.9	2801.2	2726.4	2654.4	2595.8	2544.2	2492.4	2451.7	2411.0
12.5°	3105.6	3002.8	2900.1	2815.6	2731.1	2655.5	2600.8	2558.5	2516.5	2489.4	2462.6
15°	3139.0	3020.7	2902.4	2804.5	2706.6	2623.0	2579.2	2558.9	2538.8	2542.5	2546.1
17.5°	3148.6	3011.2	2873.9	2756.2	2638.6	2540.1	2513.1	2520.5	2527.9	2572.1	2616.5
20°	3151.6	2985.2	2818.7	2672.9	2527.0	2412.3	2405.3	2439.8	2474.5	2551.4	2628.5
22.5°	3155.7	2953.2	2750.8	2575.1	2399.4	2268.9	2282.9	2334.0	2385.2	2473.1	2561.2
25°	3171.8	2921.7	2671.8	2465.9	2260.3	2126.6	2164.2	2223.1	2282.2	2361.2	2440.3
27.5°	3205.3	2900.6	2596.0	2366.2	2136.4	2014.6	2060.5	2117.3	2174.3	2239.3	2304.2
30°	3251.3	2890.8	2530.1	2282.8	2035.4	1933.3	1969.1	2014.3	2059.7	2113.7	2167.6
32.5°	3291.0	2878.6	2465.9	2210.8	1955.6	1873.3	1889.2	1915.9	1942.7	1985.7	2028.9
35°	3320.1	2855.5	2391.3	2140.2	1889.0	1820.3	1813.7	1821.0	1828.5	1861.3	1894.1
37.5°	3337.4	2816.2	2295.1	2057.0	1818.9	1758.8	1734.6	1726.4	1718.3	1741.9	1765.5
40°	3348.3	2762.0	2175.9	1957.6	1739.4	1685.1	1647.9	1629.5	1611.1	1628.1	1645.1
42.5°	3368.9	2706.1	2043.4	1848.1	1652.8	1602.7	1555.8	1531.5	1507.1	1520.9	1534.8
45°	3405.2	2654.0	1903.0	1731.7	1560.5	1509.6	1464.3	1440.5	1416.9	1428.4	1440.2
47.5°	3430.2	2611.2	1792.2	1639.7	1487.2	1421.6	1382.6	1362.7	1342.7	1353.7	1364.6
50°	3413.9	2564.3	1714.8	1578.5	1442.3	1356.0	1310.7	1293.0	1275.4	1292.5	1309.6
52.5°	3313.6	2485.3	1657.1	1538.2	1419.5	1320.4	1257.1	1239.6	1222.2	1247.9	1273.6
55°	3106.7	2354.3	1602.0	1509.1	1416.2	1323.9	1228.7	1201.0	1173.4	1209.9	1246.3
57.5°	2799.0	2169.5	1540.1	1474.5	1408.9	1327.5	1211.6	1171.3	1131.0	1170.2	1209.5
60°	2386.2	1929.7	1473.1	1421.6	1370.0	1316.3	1195.5	1143.3	1091.0	1125.4	1159.9
62.5°	1921.4	1642.7	1363.9	1329.6	1295.5	1288.8	1176.7	1111.4	1046.2	1068.0	1090.0
65°	1514.4	1384.4	1254.3	1238.1	1221.9	1222.7	1137.2	1067.8	998.5	1006.9	1015.2
67.5°	1173.1	1136.1	1099.1	1108.1	1117.1	1114.9	1066.9	1009.1	951.3	948.6	946.1
70°	888.6	899.1	909.6	951.5	993.3	993.3	977.5	936.4	895.3	886.2	877.1
72.5°	685.4	717.3	749.2	808.6	867.9	877.9	878.1	849.9	821.7	808.3	795.0
75°	532.2	561.1	590.0	656.5	723.0	769.1	765.2	743.5	721.7	708.9	696.0
77.5°	409.7	429.4	449.2	513.7	578.3	654.1	652.0	634.7	617.3	604.2	591.2
80°	307.2	315.4	323.5	378.2	432.9	523.4	523.1	508.5	493.8	483.0	472.0
82.5°	219.6	221.0	222.5	262.8	303.1	380.5	384.7	377.6	370.4	362.7	355.1
85°	132.7	132.0	131.2	160.7	190.2	247.7	253.3	245.7	238.0	229.4	220.8
87.5°	58.2	57.5	56.8	68.8	80.9	104.8	111.9	108.9	105.8	104.1	102.5
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: P962920  
 CATALOG NUMBER: NAV-SB2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2533.8	2518.4	2503.0	2487.7	2475.8	2463.8	2454.1	2444.4	2436.9	2429.4	2422.5
5°	2437.3	2410.1	2385.3	2360.5	2341.5	2322.3	2309.0	2295.7	2286.3	2276.7	2269.6
7.5°	2378.1	2343.7	2313.4	2283.2	2260.5	2237.9	2222.1	2206.2	2195.3	2184.5	2178.0
10°	2374.1	2337.1	2303.1	2268.9	2241.9	2214.7	2197.0	2179.1	2168.9	2158.5	2153.1
12.5°	2433.5	2404.5	2369.3	2334.0	2299.5	2264.8	2242.0	2219.1	2207.6	2196.2	2191.6
15°	2538.6	2531.1	2500.5	2469.8	2420.6	2371.3	2336.6	2301.8	2285.9	2270.0	2263.8
17.5°	2640.1	2663.7	2639.0	2614.3	2549.1	2483.9	2432.6	2381.4	2357.7	2334.0	2326.3
20°	2677.9	2727.2	2715.8	2704.4	2629.7	2555.3	2492.4	2429.7	2399.4	2369.2	2359.4
22.5°	2625.4	2689.6	2696.5	2703.3	2632.1	2560.9	2496.2	2431.4	2399.5	2367.6	2357.0
25°	2503.6	2566.7	2590.3	2613.8	2555.4	2497.1	2439.5	2382.2	2354.5	2327.0	2316.8
27.5°	2354.9	2405.6	2431.8	2458.2	2416.5	2375.0	2330.3	2285.8	2267.2	2248.6	2244.0
30°	2209.5	2251.6	2273.0	2294.4	2262.8	2231.0	2199.0	2167.0	2157.4	2147.9	2147.9
32.5°	2069.2	2109.6	2133.2	2157.0	2128.0	2098.8	2073.3	2047.7	2041.5	2035.2	2036.1
35°	1934.0	1973.9	2002.4	2030.9	2010.1	1989.5	1966.0	1942.4	1932.9	1923.6	1921.6
37.5°	1805.2	1845.1	1880.3	1915.4	1905.9	1896.4	1874.6	1852.9	1835.7	1818.7	1809.5
40°	1683.6	1722.0	1762.5	1803.1	1805.4	1807.6	1789.2	1770.8	1745.8	1721.0	1704.1
42.5°	1571.2	1607.7	1651.5	1695.2	1706.9	1718.6	1703.0	1687.6	1656.6	1625.5	1601.0
45°	1474.8	1509.4	1554.7	1600.1	1616.9	1633.6	1619.6	1605.7	1570.2	1534.8	1506.0
47.5°	1398.5	1432.2	1477.0	1521.8	1541.1	1560.5	1550.7	1540.9	1509.4	1477.8	1451.2
50°	1341.6	1373.5	1413.6	1453.7	1478.5	1503.3	1502.6	1502.2	1477.0	1451.8	1427.2
52.5°	1302.9	1332.1	1369.4	1406.8	1436.2	1465.6	1470.9	1476.2	1455.7	1435.1	1413.1
55°	1277.9	1309.4	1342.1	1374.8	1405.9	1437.2	1444.4	1451.8	1433.9	1416.0	1396.7
57.5°	1246.5	1283.5	1315.9	1348.4	1379.8	1411.1	1418.5	1426.0	1407.8	1389.8	1370.6
60°	1202.3	1244.9	1277.8	1310.7	1342.2	1373.8	1381.9	1390.1	1372.4	1354.7	1335.1
62.5°	1139.5	1189.1	1224.3	1259.3	1288.2	1317.1	1324.9	1332.8	1316.8	1300.8	1280.1
65°	1068.3	1121.5	1155.1	1188.6	1214.1	1239.5	1247.5	1255.5	1240.1	1224.8	1204.6
67.5°	995.1	1044.2	1076.0	1107.8	1129.8	1151.7	1159.6	1167.3	1153.1	1139.1	1120.4
70°	920.1	963.3	990.8	1018.2	1038.1	1057.9	1065.5	1073.0	1061.5	1050.0	1032.1
72.5°	828.9	862.8	887.6	912.5	931.9	951.3	960.3	969.2	959.7	950.1	933.1
75°	721.2	746.4	769.0	791.4	809.1	826.8	836.2	845.5	840.8	836.2	821.8
77.5°	611.7	632.2	651.5	670.9	689.5	708.0	716.8	725.5	718.9	712.3	697.8
80°	489.1	506.0	522.3	538.6	552.8	566.8	578.4	590.0	587.1	584.4	565.0
82.5°	353.6	352.2	346.4	340.8	370.8	401.0	420.8	440.4	439.2	437.9	421.6
85°	213.4	206.0	190.2	174.5	202.6	230.9	255.3	279.7	277.7	275.6	262.8
87.5°	102.2	101.9	89.9	77.8	89.6	101.5	111.4	121.3	118.8	116.1	109.7
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: P962920  
 CATALOG NUMBER: NAV-SB2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2415.4	2406.8	2415.4	2422.5	2429.4	2436.9	2444.4	2454.1	2463.8	2475.8	2487.7
5°	2262.4	2255.2	2262.4	2269.6	2276.7	2286.3	2295.7	2309.0	2322.3	2341.5	2360.5
7.5°	2171.6	2166.7	2171.6	2178.0	2184.5	2195.3	2206.2	2222.1	2237.9	2260.5	2283.2
10°	2147.6	2145.3	2147.6	2153.1	2158.5	2168.9	2179.1	2197.0	2214.7	2241.9	2268.9
12.5°	2186.8	2186.0	2186.8	2191.6	2196.2	2207.6	2219.1	2242.0	2264.8	2299.5	2334.0
15°	2257.8	2257.3	2257.8	2263.8	2270.0	2285.9	2301.8	2336.6	2371.3	2420.6	2469.8
17.5°	2318.4	2317.2	2318.4	2326.3	2334.0	2357.7	2381.4	2432.6	2483.9	2549.1	2614.3
20°	2349.8	2346.7	2349.8	2359.4	2369.2	2399.4	2429.7	2492.4	2555.3	2629.7	2704.4
22.5°	2346.2	2341.7	2346.2	2357.0	2367.6	2399.5	2431.4	2496.2	2560.9	2632.1	2703.3
25°	2306.9	2301.0	2306.9	2316.8	2327.0	2354.5	2382.2	2439.5	2497.1	2555.4	2613.8
27.5°	2239.4	2237.9	2239.4	2244.0	2248.6	2267.2	2285.8	2330.3	2375.0	2416.5	2458.2
30°	2147.9	2149.4	2147.9	2147.9	2147.9	2157.4	2167.0	2199.0	2231.0	2262.8	2294.4
32.5°	2037.0	2038.5	2037.0	2036.1	2035.2	2041.5	2047.7	2073.3	2098.8	2128.0	2157.0
35°	1919.5	1918.5	1919.5	1921.6	1923.6	1932.9	1942.4	1966.0	1989.5	2010.1	2030.9
37.5°	1800.5	1795.4	1800.5	1809.5	1818.7	1835.7	1852.9	1874.6	1896.4	1905.9	1915.4
40°	1687.4	1677.4	1687.4	1704.1	1721.0	1745.8	1770.8	1789.2	1807.6	1805.4	1803.1
42.5°	1576.6	1560.5	1576.6	1601.0	1625.5	1656.6	1687.6	1703.0	1718.6	1706.9	1695.2
45°	1477.2	1458.7	1477.2	1506.0	1534.8	1570.2	1605.7	1619.6	1633.6	1616.9	1600.1
47.5°	1424.6	1406.8	1424.6	1451.2	1477.8	1509.4	1540.9	1550.7	1560.5	1541.1	1521.8
50°	1402.6	1385.5	1402.6	1427.2	1451.8	1477.0	1502.2	1502.6	1503.3	1478.5	1453.7
52.5°	1391.0	1375.3	1391.0	1413.1	1435.1	1455.7	1476.2	1470.9	1465.6	1436.2	1406.8
55°	1377.3	1363.1	1377.3	1396.7	1416.0	1433.9	1451.8	1444.4	1437.2	1405.9	1374.8
57.5°	1351.4	1336.6	1351.4	1370.6	1389.8	1407.8	1426.0	1418.5	1411.1	1379.8	1348.4
60°	1315.3	1300.0	1315.3	1335.1	1354.7	1372.4	1390.1	1381.9	1373.8	1342.2	1310.7
62.5°	1259.3	1241.1	1259.3	1280.1	1300.8	1316.8	1332.8	1324.9	1317.1	1288.2	1259.3
65°	1184.6	1168.8	1184.6	1204.6	1224.8	1240.1	1255.5	1247.5	1239.5	1214.1	1188.6
67.5°	1101.7	1087.4	1101.7	1120.4	1139.1	1153.1	1167.3	1159.6	1151.7	1129.8	1107.8
70°	1014.1	997.9	1014.1	1032.1	1050.0	1061.5	1073.0	1065.5	1057.9	1038.1	1018.2
72.5°	916.0	900.3	916.0	933.1	950.1	959.7	969.2	960.3	951.3	931.9	912.5
75°	807.5	792.4	807.5	821.8	836.2	840.8	845.5	836.2	826.8	809.1	791.4
77.5°	683.4	671.4	683.4	697.8	712.3	718.9	725.5	716.8	708.0	689.5	670.9
80°	545.4	522.9	545.4	565.0	584.4	587.1	590.0	578.4	566.8	552.8	538.6
82.5°	405.1	390.6	405.1	421.6	437.9	439.2	440.4	420.8	401.0	370.8	340.8
85°	250.0	237.0	250.0	262.8	275.6	277.7	279.7	255.3	230.9	202.6	174.5
87.5°	102.9	96.7	102.9	109.7	116.1	118.8	121.3	111.4	101.5	89.6	77.8
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: P962920  
 CATALOG NUMBER: NAV-SB2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2503.0	2518.4	2533.8	2549.2	2566.7	2584.3	2603.7	2623.3	2647.4	2669.0	2691.4
5°	2385.3	2410.1	2437.3	2464.5	2495.4	2526.3	2563.2	2600.0	2642.2	2685.0	2730.3
7.5°	2313.4	2343.7	2378.1	2412.3	2453.0	2493.7	2542.7	2591.7	2646.3	2704.7	2767.8
10°	2303.1	2337.1	2374.1	2411.0	2451.7	2492.4	2544.2	2595.8	2654.4	2726.4	2801.2
12.5°	2369.3	2404.5	2433.5	2462.6	2489.4	2516.5	2558.5	2600.8	2655.5	2731.1	2815.6
15°	2500.5	2531.1	2538.6	2546.1	2542.5	2538.8	2558.9	2579.2	2623.0	2706.6	2804.5
17.5°	2639.0	2663.7	2640.1	2616.5	2572.1	2527.9	2520.5	2513.1	2540.1	2638.6	2756.2
20°	2715.8	2727.2	2677.9	2628.5	2551.4	2474.5	2439.8	2405.3	2412.3	2527.0	2672.9
22.5°	2696.5	2689.6	2625.4	2561.2	2473.1	2385.2	2334.0	2282.9	2268.9	2399.4	2575.1
25°	2590.3	2566.7	2503.6	2440.3	2361.2	2282.2	2223.1	2164.2	2126.6	2260.3	2465.9
27.5°	2431.8	2405.6	2354.9	2304.2	2239.3	2174.3	2117.3	2060.5	2014.6	2136.4	2366.2
30°	2273.0	2251.6	2209.5	2167.6	2113.7	2059.7	2014.3	1969.1	1933.3	2035.4	2282.8
32.5°	2133.2	2109.6	2069.2	2028.9	1985.7	1942.7	1915.9	1889.2	1873.3	1955.6	2210.8
35°	2002.4	1973.9	1934.0	1894.1	1861.3	1828.5	1821.0	1813.7	1820.3	1889.0	2140.2
37.5°	1880.3	1845.1	1805.2	1765.5	1741.9	1718.3	1726.4	1734.6	1758.8	1818.9	2057.0
40°	1762.5	1722.0	1683.6	1645.1	1628.1	1611.1	1629.5	1647.9	1685.1	1739.4	1957.6
42.5°	1651.5	1607.7	1571.2	1534.8	1520.9	1507.1	1531.5	1555.8	1602.7	1652.8	1848.1
45°	1554.7	1509.4	1474.8	1440.2	1428.4	1416.9	1440.5	1464.3	1509.6	1560.5	1731.7
47.5°	1477.0	1432.2	1398.5	1364.6	1353.7	1342.7	1362.7	1382.6	1421.6	1487.2	1639.7
50°	1413.6	1373.5	1341.6	1309.6	1292.5	1275.4	1293.0	1310.7	1356.0	1442.3	1578.5
52.5°	1369.4	1332.1	1302.9	1273.6	1247.9	1222.2	1239.6	1257.1	1320.4	1419.5	1538.2
55°	1342.1	1309.4	1277.9	1246.3	1209.9	1173.4	1201.0	1228.7	1323.9	1416.2	1509.1
57.5°	1315.9	1283.5	1246.5	1209.5	1170.2	1131.0	1171.3	1211.6	1327.5	1408.9	1474.5
60°	1277.8	1244.9	1202.3	1159.9	1125.4	1091.0	1143.3	1195.5	1316.3	1370.0	1421.6
62.5°	1224.3	1189.1	1139.5	1090.0	1068.0	1046.2	1111.4	1176.7	1288.8	1295.5	1329.6
65°	1155.1	1121.5	1068.3	1015.2	1006.9	998.5	1067.8	1137.2	1222.7	1221.9	1238.1
67.5°	1076.0	1044.2	995.1	946.1	948.6	951.3	1009.1	1066.9	1114.9	1117.1	1108.1
70°	990.8	963.3	920.1	877.1	886.2	895.3	936.4	977.5	993.3	993.3	951.5
72.5°	887.6	862.8	828.9	795.0	808.3	821.7	849.9	878.1	877.9	867.9	808.6
75°	769.0	746.4	721.2	696.0	708.9	721.7	743.5	765.2	769.1	723.0	656.5
77.5°	651.5	632.2	611.7	591.2	604.2	617.3	634.7	652.0	654.1	578.3	513.7
80°	522.3	506.0	489.1	472.0	483.0	493.8	508.5	523.1	523.4	432.9	378.2
82.5°	346.4	352.2	353.6	355.1	362.7	370.4	377.6	384.7	380.5	303.1	262.8
85°	190.2	206.0	213.4	220.8	229.4	238.0	245.7	253.3	247.7	190.2	160.7
87.5°	89.9	101.9	102.2	102.5	104.1	105.8	108.9	111.9	104.8	80.9	68.8
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: P962920  
 CATALOG NUMBER: NAV-SB2D-727-U-SLL

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0	2651.0
2.5°	2713.8	2737.2	2760.5	2783.8	2807.1	2828.9	2850.8
5°	2775.5	2824.0	2872.5	2920.6	2968.8	3017.1	3065.5
7.5°	2830.9	2902.7	2974.4	3048.0	3121.7	3201.4	3281.1
10°	2875.9	2963.1	3050.2	3147.5	3244.7	3345.6	3446.4
12.5°	2900.1	3002.8	3105.6	3215.9	3326.1	3436.8	3547.6
15°	2902.4	3020.7	3139.0	3258.6	3378.2	3493.7	3609.1
17.5°	2873.9	3011.2	3148.6	3279.1	3409.6	3526.6	3643.8
20°	2818.7	2985.2	3151.6	3295.1	3438.5	3560.2	3681.9
22.5°	2750.8	2953.2	3155.7	3316.6	3477.4	3601.8	3726.2
25°	2671.8	2921.7	3171.8	3355.6	3539.4	3661.2	3783.1
27.5°	2596.0	2900.6	3205.3	3416.7	3628.0	3744.2	3860.5
30°	2530.1	2890.8	3251.3	3495.8	3740.2	3852.4	3964.7
32.5°	2465.9	2878.6	3291.0	3578.3	3865.5	3976.6	4087.8
35°	2391.3	2855.5	3320.1	3672.3	4024.4	4130.9	4237.3
37.5°	2295.1	2816.2	3337.4	3777.5	4217.7	4353.4	4489.1
40°	2175.9	2762.0	3348.3	3911.2	4474.0	4671.7	4869.5
42.5°	2043.4	2706.1	3368.9	4086.1	4803.2	5088.6	5374.1
45°	1903.0	2654.0	3405.2	4316.2	5227.1	5612.1	5997.1
47.5°	1792.2	2611.2	3430.2	4561.2	5692.4	6234.5	6776.3
50°	1714.8	2564.3	3413.9	4788.7	6163.6	6980.7	7797.6
52.5°	1657.1	2485.3	3313.6	4936.4	6559.2	7764.6	8970.0
55°	1602.0	2354.3	3106.7	4903.9	6701.0	8459.5	10218.1
57.5°	1540.1	2169.5	2799.0	4674.8	6550.8	8952.0	11353.4
60°	1473.1	1929.7	2386.2	4248.5	6110.7	9075.1	12039.5
62.5°	1363.9	1642.7	1921.4	3672.1	5422.7	8556.9	11691.2
65°	1254.3	1384.4	1514.4	3083.8	4653.4	7823.5	10993.7
67.5°	1099.1	1136.1	1173.1	2507.7	3842.3	6950.8	10059.5
70°	909.6	899.1	888.6	1974.5	3060.3	5998.6	8937.0
72.5°	749.2	717.3	685.4	1509.5	2333.5	4966.3	7599.2
75°	590.0	561.1	532.2	1095.5	1658.9	3783.0	5907.1
77.5°	449.2	429.4	409.7	742.4	1075.0	2647.8	4220.5
80°	323.5	315.4	307.2	478.3	649.5	1705.9	2762.3
82.5°	222.5	221.0	219.6	294.2	369.1	987.3	1605.7
85°	131.2	132.0	132.7	157.2	181.8	444.1	706.4
87.5°	56.8	57.5	58.2	65.2	72.3	145.4	218.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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