

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: P968688

Luminaire Tested: **NAV-SB5C-722-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P968688  
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-SB5C-722-U-SLR  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

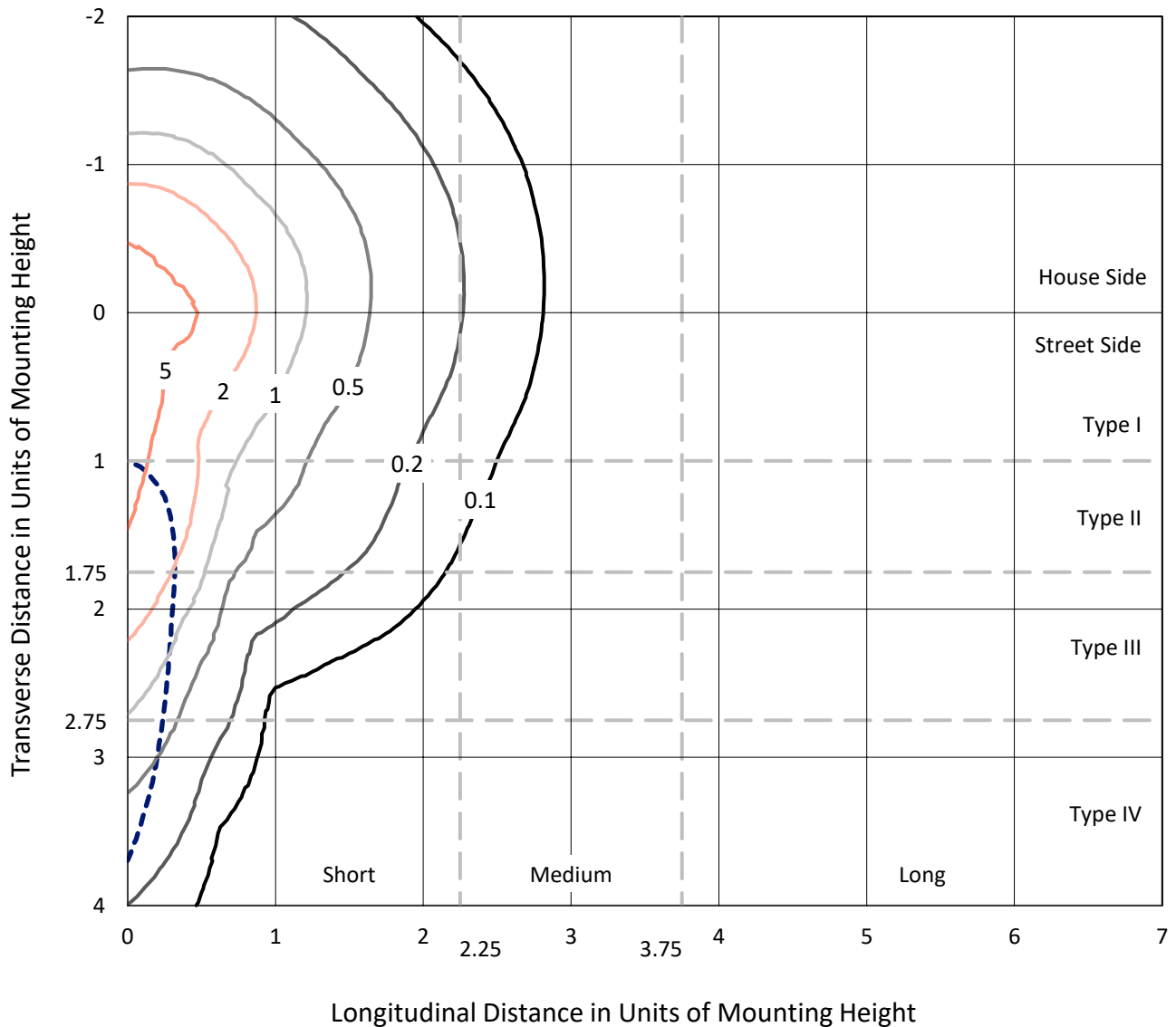
Lumens per Lamp: N/A  
Luminaire Lumens: 31917.5 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 249.5  
Input Voltage (V): NR  
Input Current (Ain): 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

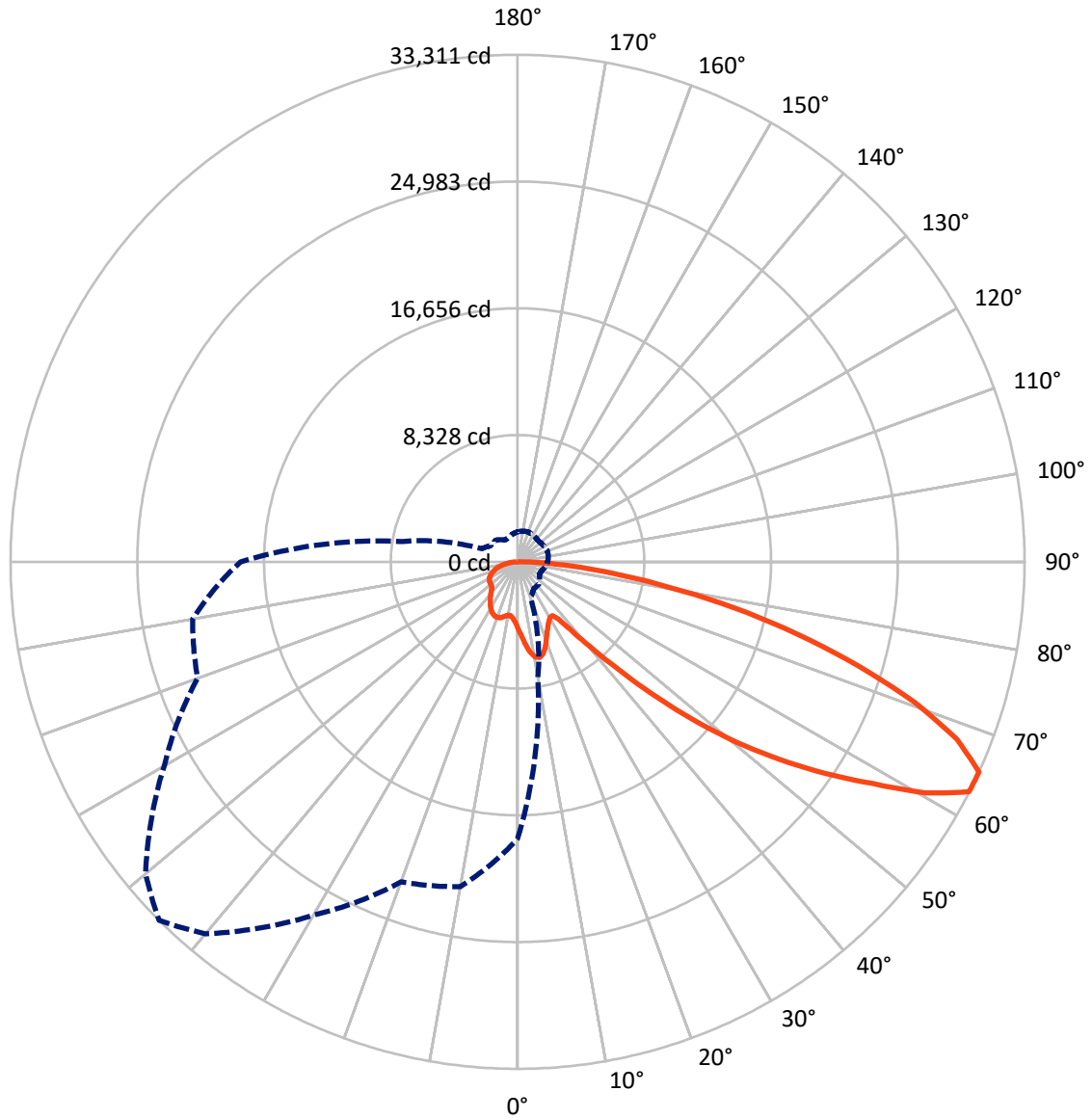
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8111.8	0.0	8111.8
	% Fixture	25.4	0.0	25.4
<b>Street Side</b>	Lumens	23805.6	0.0	23805.6
	% Fixture	74.6	0.0	74.6
<b>Total</b>	Lumens	31917.5	0.0	31917.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.4	1.4
10°-20°	1366.7	4.3
20°-30°	2111.1	6.6
30°-40°	2675.3	8.4
40°-50°	4035.1	12.6
50°-60°	6519.3	20.4
60°-70°	8127.3	25.5
70°-80°	5329.5	16.7
80°-90°	1317.6	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°	31917.5	100.0
0°-180°	31917.5	100.0

**Coefficient of Utilization**

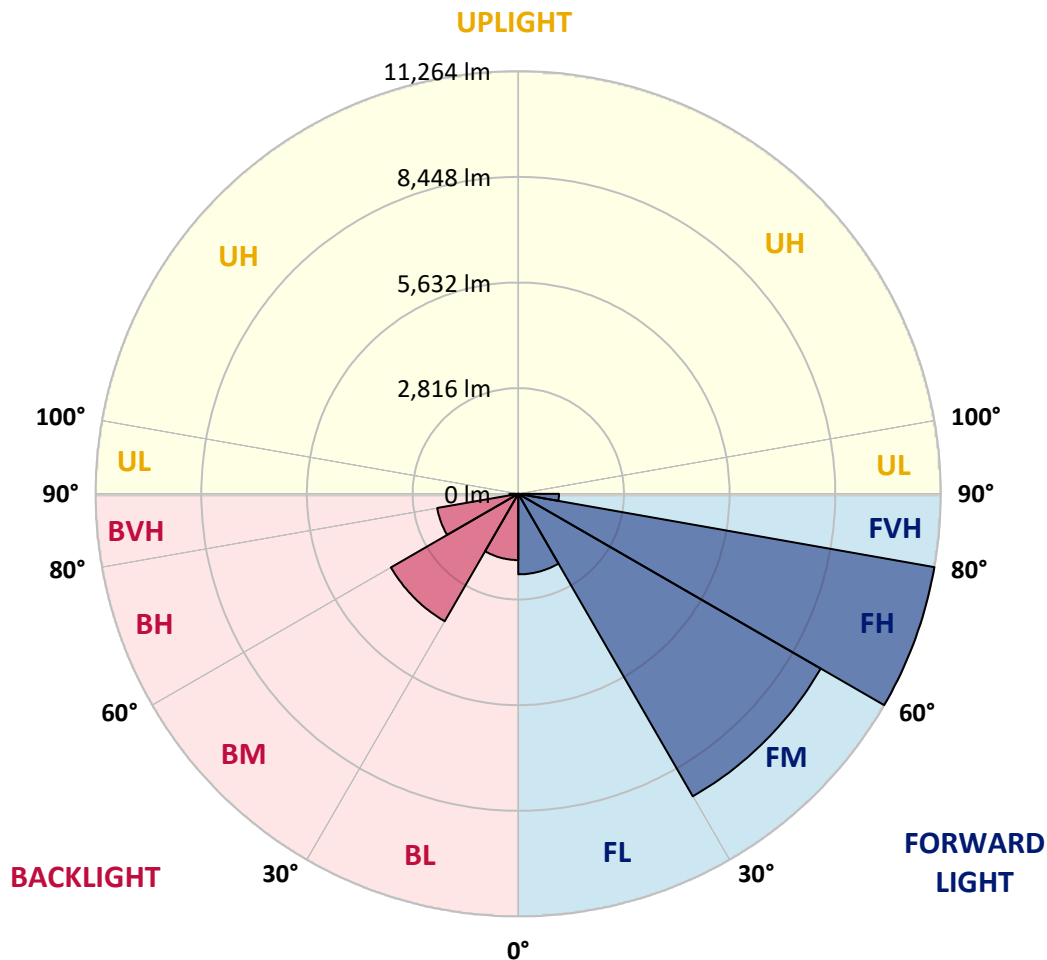


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2146.8	6.7			
FM (30°-60°)	9309.6	29.2			
FH (60°-80°)	11263.8	35.3			G4/12000
FVH (80°-90°)	1085.4	3.4			G5
BL (0°-30°)	1766.4	5.5	B3/2500		
BM (30°-60°)	3920.1	12.3	B3/5000		
BH (60°-80°)	2193.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	232.2	0.7			G3/500
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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4719.8	4683.6	4647.5	4608.9	4570.5	4531.7	4493.0	4456.0	4418.9	4383.0	4343.1
5°	5075.2	4995.2	4915.2	4835.4	4755.7	4675.4	4595.3	4520.2	4445.3	4374.6	4304.7
7.5°	5432.3	5300.3	5168.4	5046.4	4924.5	4805.7	4687.0	4582.5	4477.8	4381.4	4291.0
10°	5706.0	5539.0	5372.1	5211.0	5050.0	4905.8	4761.4	4637.8	4513.9	4394.8	4297.6
12.5°	5873.6	5690.1	5506.9	5324.4	5141.7	4971.7	4801.5	4661.6	4521.7	4396.5	4306.0
15°	5975.4	5784.3	5593.1	5395.1	5197.0	5001.1	4805.3	4643.2	4481.2	4342.6	4270.2
17.5°	6032.6	5838.8	5645.0	5428.9	5212.8	4985.5	4758.0	4563.2	4368.3	4205.4	4160.7
20°	6095.8	5894.4	5692.8	5455.4	5217.9	4942.3	4666.8	4425.3	4183.8	3994.0	3982.2
22.5°	6169.1	5963.2	5757.3	5491.0	5224.6	4889.5	4554.3	4263.5	3972.6	3756.5	3779.6
25°	6263.4	6061.6	5860.0	5555.7	5251.2	4837.3	4423.5	4082.8	3742.2	3520.8	3583.1
27.5°	6391.4	6199.1	6006.6	5656.8	5306.8	4802.4	4298.0	3917.6	3537.1	3335.5	3411.3
30°	6564.0	6378.1	6192.3	5787.7	5382.9	4786.0	4188.9	3779.4	3370.0	3200.8	3260.2
32.5°	6767.8	6583.7	6399.8	5924.2	5448.6	4765.8	4082.8	3660.4	3237.8	3101.3	3127.8
35°	7015.4	6839.2	6662.9	6079.8	5496.8	4727.8	3959.2	3543.3	3127.5	3013.8	3002.8
37.5°	7432.2	7207.5	6982.9	6254.1	5525.4	4662.6	3799.8	3405.6	3011.2	2911.9	2871.8
40°	8062.1	7734.6	7407.3	6475.4	5543.4	4572.8	3602.5	3241.2	2879.9	2789.8	2728.3
42.5°	8897.4	8424.9	7952.3	6764.9	5577.6	4480.2	3383.1	3059.8	2736.4	2653.4	2575.9
45°	9929.0	9291.5	8654.1	7145.9	5637.7	4394.2	3150.7	2867.1	2583.5	2499.3	2424.3
47.5°	11219.0	10321.9	9424.6	7551.8	5679.0	4323.0	2967.2	2714.7	2462.3	2353.6	2289.1
50°	12910.0	11557.4	10204.7	7928.4	5652.1	4245.7	2839.1	2613.4	2387.8	2245.0	2170.0
52.5°	14850.9	12855.2	10859.5	8172.9	5486.2	4114.8	2743.5	2546.8	2350.2	2186.0	2081.3
55°	16917.4	14005.8	11094.4	8119.0	5143.4	3897.9	2652.2	2498.4	2344.7	2192.0	2034.1
57.5°	18797.0	14821.3	10845.6	7739.8	4633.9	3592.0	2549.8	2441.2	2332.6	2197.8	2005.8
60°	19932.9	15025.1	10117.1	7033.9	3950.7	3194.8	2439.0	2353.6	2268.2	2179.4	1979.3
62.5°	19356.1	14167.0	8978.0	6079.5	3181.1	2719.6	2258.1	2201.4	2144.8	2133.8	1948.2
65°	18201.5	12952.9	7704.2	5105.7	2507.4	2292.0	2076.5	2049.8	2023.0	2024.4	1882.9
67.5°	16654.7	11508.1	6361.5	4151.8	1942.2	1881.1	1819.8	1834.7	1849.5	1845.8	1766.4
70°	14796.2	9931.5	5066.8	3268.9	1471.1	1488.6	1505.9	1575.3	1644.6	1644.6	1618.5
72.5°	12581.6	8222.4	3863.4	2499.2	1134.8	1187.5	1240.4	1338.8	1436.9	1453.4	1453.8
75°	9779.9	6263.3	2746.5	1813.8	881.2	929.0	976.8	1086.9	1197.1	1273.3	1266.8
77.5°	6987.6	4383.7	1779.8	1229.1	678.3	710.8	743.5	850.5	957.5	1082.9	1079.5
80°	4573.3	2824.4	1075.3	791.9	508.6	522.1	535.6	626.2	716.6	866.5	866.0
82.5°	2658.4	1634.7	611.0	487.1	363.5	365.8	368.5	435.2	501.8	629.9	636.9
85°	1169.6	735.3	301.1	260.3	219.8	218.6	217.3	266.1	315.0	410.1	419.3
87.5°	362.1	240.9	119.6	107.9	96.4	95.1	94.0	113.9	133.9	173.4	185.2
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):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4310.7	4278.7	4249.4	4220.5	4195.1	4169.7	4144.1	4118.7	4098.9	4079.1	4063.0
5°	4243.7	4182.6	4131.5	4080.4	4035.2	3990.1	3949.2	3908.1	3876.7	3845.0	3822.8
7.5°	4209.8	4128.7	4061.4	3994.0	3937.2	3880.3	3830.1	3780.1	3742.6	3705.2	3678.9
10°	4212.1	4126.5	4059.2	3991.8	3930.7	3869.4	3812.9	3756.5	3711.7	3666.7	3637.4
12.5°	4236.0	4166.3	4121.5	4077.0	4028.9	3981.0	3922.6	3864.4	3807.1	3749.8	3711.9
15°	4236.6	4203.3	4209.4	4215.4	4203.0	4190.5	4139.9	4089.1	4007.6	3926.2	3868.6
17.5°	4173.0	4185.2	4258.6	4332.0	4371.1	4410.0	4369.1	4328.3	4220.3	4112.4	4027.5
20°	4039.4	4096.7	4224.2	4351.8	4433.5	4515.2	4496.4	4477.3	4353.9	4230.6	4126.5
22.5°	3864.4	3949.0	4094.6	4240.4	4346.6	4452.9	4464.4	4475.7	4357.8	4239.9	4132.8
25°	3680.8	3778.5	3909.2	4040.3	4144.9	4249.4	4288.6	4327.4	4230.8	4134.2	4038.9
27.5°	3505.6	3599.9	3707.5	3814.9	3898.8	3982.7	4026.2	4069.8	4000.9	3932.2	3858.2
30°	3334.9	3410.1	3499.4	3588.6	3658.1	3727.9	3763.3	3798.6	3746.3	3693.7	3640.8
32.5°	3172.2	3216.4	3287.7	3359.0	3425.8	3492.6	3531.8	3571.3	3523.1	3474.7	3432.5
35°	3015.0	3027.2	3081.7	3135.9	3201.9	3268.1	3315.3	3362.4	3328.1	3293.8	3254.8
37.5°	2858.3	2844.9	2883.9	2922.9	2988.7	3054.7	3113.0	3171.2	3155.5	3139.6	3103.7
40°	2697.9	2667.4	2695.5	2723.6	2787.3	2850.9	2918.0	2985.2	2989.0	2992.8	2962.2
42.5°	2535.5	2495.1	2518.0	2541.1	2601.3	2661.8	2734.2	2806.7	2826.0	2845.4	2819.7
45°	2385.0	2345.7	2364.9	2384.5	2441.7	2499.0	2574.1	2649.2	2677.0	2704.8	2681.5
47.5°	2256.1	2223.1	2241.3	2259.3	2315.4	2371.3	2445.4	2519.6	2551.5	2583.5	2567.3
50°	2140.7	2111.6	2139.9	2168.4	2221.3	2274.0	2340.3	2406.7	2447.8	2488.9	2487.9
52.5°	2052.4	2023.6	2066.1	2108.5	2157.1	2205.4	2267.2	2329.2	2377.9	2426.6	2435.3
55°	1988.3	1942.7	2003.2	2063.4	2115.6	2167.9	2222.1	2276.1	2327.7	2379.4	2391.5
57.5°	1939.1	1872.5	1937.5	2002.4	2063.7	2125.0	2178.6	2232.3	2284.4	2336.3	2348.6
60°	1892.9	1806.3	1863.3	1920.2	1990.7	2061.1	2115.5	2170.0	2222.3	2274.5	2287.9
62.5°	1840.1	1732.1	1768.3	1804.6	1886.6	1968.8	2026.9	2085.0	2132.8	2180.7	2193.6
65°	1768.0	1653.0	1667.0	1680.8	1768.7	1856.8	1912.3	1967.9	2010.0	2052.2	2065.5
67.5°	1670.6	1575.0	1570.6	1566.3	1647.5	1728.8	1781.6	1834.0	1870.4	1906.8	1919.8
70°	1550.4	1482.4	1467.3	1452.1	1523.5	1594.9	1640.4	1685.8	1718.7	1751.5	1764.0
72.5°	1407.1	1360.5	1338.2	1316.2	1372.5	1428.5	1469.6	1510.6	1542.8	1575.0	1589.9
75°	1230.9	1194.9	1173.7	1152.3	1194.0	1235.8	1273.0	1310.3	1339.6	1368.9	1384.4
77.5°	1050.7	1021.9	1000.4	978.9	1012.9	1046.7	1078.7	1110.7	1141.5	1172.2	1186.6
80°	841.9	817.6	799.6	781.5	809.7	837.8	864.8	891.7	915.2	938.4	957.7
82.5°	625.1	613.4	600.5	587.7	585.4	583.0	573.6	564.2	614.1	663.9	696.6
85°	406.7	394.1	379.8	365.4	353.3	341.0	315.0	288.8	335.5	382.3	422.7
87.5°	180.2	175.2	172.5	169.7	169.2	168.7	148.8	128.8	148.4	168.1	184.4
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):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4047.0	4034.6	4022.1	4010.6	3999.0	3984.7	3999.0	4010.6	4022.1	4034.6	4047.0
5°	3800.8	3785.1	3769.5	3757.5	3745.6	3733.8	3745.6	3757.5	3769.5	3785.1	3800.8
7.5°	3652.6	3634.5	3616.7	3606.0	3595.4	3587.3	3595.4	3606.0	3616.7	3634.5	3652.6
10°	3607.8	3590.8	3573.8	3564.7	3555.6	3551.9	3555.6	3564.7	3573.8	3590.8	3607.8
12.5°	3674.0	3654.9	3636.1	3628.4	3620.6	3619.3	3620.6	3628.4	3636.1	3654.9	3674.0
15°	3811.0	3784.5	3758.2	3748.1	3738.0	3737.2	3738.0	3748.1	3758.2	3784.5	3811.0
17.5°	3942.7	3903.5	3864.4	3851.5	3838.5	3836.5	3838.5	3851.5	3864.4	3903.5	3942.7
20°	4022.6	3972.6	3922.4	3906.4	3890.4	3885.4	3890.4	3906.4	3922.4	3972.6	4022.6
22.5°	4025.5	3972.8	3919.9	3902.2	3884.5	3877.0	3884.5	3902.2	3919.9	3972.8	4025.5
25°	3944.0	3898.2	3852.6	3835.9	3819.4	3809.6	3819.4	3835.9	3852.6	3898.2	3944.0
27.5°	3784.3	3753.7	3722.8	3715.2	3707.7	3705.2	3707.7	3715.2	3722.8	3753.7	3784.3
30°	3587.6	3571.9	3556.1	3556.1	3556.1	3558.6	3556.1	3556.1	3556.1	3571.9	3587.6
32.5°	3390.2	3379.9	3369.7	3371.0	3372.6	3375.0	3372.6	3371.0	3369.7	3379.9	3390.2
35°	3215.9	3200.3	3184.8	3181.4	3178.0	3176.4	3178.0	3181.4	3184.8	3200.3	3215.9
37.5°	3067.7	3039.2	3010.9	2996.0	2981.0	2972.5	2981.0	2996.0	3010.9	3039.2	3067.7
40°	2931.8	2890.4	2849.3	2821.3	2793.7	2777.1	2793.7	2821.3	2849.3	2890.4	2931.8
42.5°	2794.0	2742.7	2691.3	2650.8	2610.2	2583.5	2610.2	2650.8	2691.3	2742.7	2794.0
45°	2658.4	2599.7	2541.1	2493.4	2445.8	2415.1	2445.8	2493.4	2541.1	2599.7	2658.4
47.5°	2551.1	2499.0	2446.8	2402.6	2358.6	2329.2	2358.6	2402.6	2446.8	2499.0	2551.1
50°	2487.2	2445.4	2403.6	2362.8	2322.1	2293.8	2322.1	2362.8	2403.6	2445.4	2487.2
52.5°	2444.0	2410.1	2376.1	2339.5	2303.1	2277.0	2303.1	2339.5	2376.1	2410.1	2444.0
55°	2403.6	2374.0	2344.4	2312.4	2280.3	2256.7	2280.3	2312.4	2344.4	2374.0	2403.6
57.5°	2360.9	2330.8	2300.9	2269.2	2237.4	2213.0	2237.4	2269.2	2300.9	2330.8	2360.9
60°	2301.4	2272.1	2243.0	2210.3	2177.6	2152.4	2177.6	2210.3	2243.0	2272.1	2301.4
62.5°	2206.6	2180.2	2153.7	2119.4	2085.0	2054.7	2085.0	2119.4	2153.7	2180.2	2206.6
65°	2078.6	2053.2	2027.8	1994.3	1961.2	1935.1	1961.2	1994.3	2027.8	2053.2	2078.6
67.5°	1932.5	1909.2	1885.9	1854.9	1824.0	1800.4	1824.0	1854.9	1885.9	1909.2	1932.5
70°	1776.4	1757.5	1738.4	1708.8	1679.2	1652.2	1679.2	1708.8	1738.4	1757.5	1776.4
72.5°	1604.6	1588.9	1573.0	1544.7	1516.6	1490.5	1516.6	1544.7	1573.0	1588.9	1604.6
75°	1399.8	1392.2	1384.4	1360.6	1336.9	1312.0	1336.9	1360.6	1384.4	1392.2	1399.8
77.5°	1201.1	1190.3	1179.3	1155.4	1131.4	1111.5	1131.4	1155.4	1179.3	1190.3	1201.1
80°	976.8	972.1	967.6	935.4	903.0	865.6	903.0	935.4	967.6	972.1	976.8
82.5°	729.3	727.2	725.0	697.9	670.7	646.7	670.7	697.9	725.0	727.2	729.3
85°	463.1	459.8	456.4	435.2	414.0	392.4	414.0	435.2	456.4	459.8	463.1
87.5°	200.8	196.7	192.3	181.5	170.5	160.0	170.5	181.5	192.3	196.7	200.8
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: P968688  
 CATALOG NUMBER: NAV-SB5C-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4063.0	4079.1	4098.9	4118.7	4144.1	4169.7	4195.1	4220.5	4249.4	4278.7	4310.7
5°	3822.8	3845.0	3876.7	3908.1	3949.2	3990.1	4035.2	4080.4	4131.5	4182.6	4243.7
7.5°	3678.9	3705.2	3742.6	3780.1	3830.1	3880.3	3937.2	3994.0	4061.4	4128.7	4209.8
10°	3637.4	3666.7	3711.7	3756.5	3812.9	3869.4	3930.7	3991.8	4059.2	4126.5	4212.1
12.5°	3711.9	3749.8	3807.1	3864.4	3922.6	3981.0	4028.9	4077.0	4121.5	4166.3	4236.0
15°	3868.6	3926.2	4007.6	4089.1	4139.9	4190.5	4203.0	4215.4	4209.4	4203.3	4236.6
17.5°	4027.5	4112.4	4220.3	4328.3	4369.1	4410.0	4371.1	4332.0	4258.6	4185.2	4173.0
20°	4126.5	4230.6	4353.9	4477.3	4496.4	4515.2	4433.5	4351.8	4224.2	4096.7	4039.4
22.5°	4132.8	4239.9	4357.8	4475.7	4464.4	4452.9	4346.6	4240.4	4094.6	3949.0	3864.4
25°	4038.9	4134.2	4230.8	4327.4	4288.6	4249.4	4144.9	4040.3	3909.2	3778.5	3680.8
27.5°	3858.2	3932.2	4000.9	4069.8	4026.2	3982.7	3898.8	3814.9	3707.5	3599.9	3505.6
30°	3640.8	3693.7	3746.3	3798.6	3763.3	3727.9	3658.1	3588.6	3499.4	3410.1	3334.9
32.5°	3432.5	3474.7	3523.1	3571.3	3531.8	3492.6	3425.8	3359.0	3287.7	3216.4	3172.2
35°	3254.8	3293.8	3328.1	3362.4	3315.3	3268.1	3201.9	3135.9	3081.7	3027.2	3015.0
37.5°	3103.7	3139.6	3155.5	3171.2	3113.0	3054.7	2988.7	2922.9	2883.9	2844.9	2858.3
40°	2962.2	2992.8	2989.0	2985.2	2918.0	2850.9	2787.3	2723.6	2695.5	2667.4	2697.9
42.5°	2819.7	2845.4	2826.0	2806.7	2734.2	2661.8	2601.3	2541.1	2518.0	2495.1	2535.5
45°	2681.5	2704.8	2677.0	2649.2	2574.1	2499.0	2441.7	2384.5	2364.9	2345.7	2385.0
47.5°	2567.3	2583.5	2551.5	2519.6	2445.4	2371.3	2315.4	2259.3	2241.3	2223.1	2256.1
50°	2487.9	2488.9	2447.8	2406.7	2340.3	2274.0	2221.3	2168.4	2139.9	2111.6	2140.7
52.5°	2435.3	2426.6	2377.9	2329.2	2267.2	2205.4	2157.1	2108.5	2066.1	2023.6	2052.4
55°	2391.5	2379.4	2327.7	2276.1	2222.1	2167.9	2115.6	2063.4	2003.2	1942.7	1988.3
57.5°	2348.6	2336.3	2284.4	2232.3	2178.6	2125.0	2063.7	2002.4	1937.5	1872.5	1939.1
60°	2287.9	2274.5	2222.3	2170.0	2115.5	2061.1	1990.7	1920.2	1863.3	1806.3	1892.9
62.5°	2193.6	2180.7	2132.8	2085.0	2026.9	1968.8	1886.6	1804.6	1768.3	1732.1	1840.1
65°	2065.5	2052.2	2010.0	1967.9	1912.3	1856.8	1768.7	1680.8	1667.0	1653.0	1768.0
67.5°	1919.8	1906.8	1870.4	1834.0	1781.6	1728.8	1647.5	1566.3	1570.6	1575.0	1670.6
70°	1764.0	1751.5	1718.7	1685.8	1640.4	1594.9	1523.5	1452.1	1467.3	1482.4	1550.4
72.5°	1589.9	1575.0	1542.8	1510.6	1469.6	1428.5	1372.5	1316.2	1338.2	1360.5	1407.1
75°	1384.4	1368.9	1339.6	1310.3	1273.0	1235.8	1194.0	1152.3	1173.7	1194.9	1230.9
77.5°	1186.6	1172.2	1141.5	1110.7	1078.7	1046.7	1012.9	978.9	1000.4	1021.9	1050.7
80°	957.7	938.4	915.2	891.7	864.8	837.8	809.7	781.5	799.6	817.6	841.9
82.5°	696.6	663.9	614.1	564.2	573.6	583.0	585.4	587.7	600.5	613.4	625.1
85°	422.7	382.3	335.5	288.8	315.0	341.0	353.3	365.4	379.8	394.1	406.7
87.5°	184.4	168.1	148.4	128.8	148.8	168.7	169.2	169.7	172.5	175.2	180.2
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: P968688  
 CATALOG NUMBER: NAV-SB5C-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4343.1	4383.0	4418.9	4456.0	4493.0	4531.7	4570.5	4608.9	4647.5	4683.6	4719.8
5°	4304.7	4374.6	4445.3	4520.2	4595.3	4675.4	4755.7	4835.4	4915.2	4995.2	5075.2
7.5°	4291.0	4381.4	4477.8	4582.5	4687.0	4805.7	4924.5	5046.4	5168.4	5300.3	5432.3
10°	4297.6	4394.8	4513.9	4637.8	4761.4	4905.8	5050.0	5211.0	5372.1	5539.0	5706.0
12.5°	4306.0	4396.5	4521.7	4661.6	4801.5	4971.7	5141.7	5324.4	5506.9	5690.1	5873.6
15°	4270.2	4342.6	4481.2	4643.2	4805.3	5001.1	5197.0	5395.1	5593.1	5784.3	5975.4
17.5°	4160.7	4205.4	4368.3	4563.2	4758.0	4985.5	5212.8	5428.9	5645.0	5838.8	6032.6
20°	3982.2	3994.0	4183.8	4425.3	4666.8	4942.3	5217.9	5455.4	5692.8	5894.4	6095.8
22.5°	3779.6	3756.5	3972.6	4263.5	4554.3	4889.5	5224.6	5491.0	5757.3	5963.2	6169.1
25°	3583.1	3520.8	3742.2	4082.8	4423.5	4837.3	5251.2	5555.7	5860.0	6061.6	6263.4
27.5°	3411.3	3335.5	3537.1	3917.6	4298.0	4802.4	5306.8	5656.8	6006.6	6199.1	6391.4
30°	3260.2	3200.8	3370.0	3779.4	4188.9	4786.0	5382.9	5787.7	6192.3	6378.1	6564.0
32.5°	3127.8	3101.3	3237.8	3660.4	4082.8	4765.8	5448.6	5924.2	6399.8	6583.7	6767.8
35°	3002.8	3013.8	3127.5	3543.3	3959.2	4727.8	5496.8	6079.8	6662.9	6839.2	7015.4
37.5°	2871.8	2911.9	3011.2	3405.6	3799.8	4662.6	5525.4	6254.1	6982.9	7207.5	7432.2
40°	2728.3	2789.8	2879.9	3241.2	3602.5	4572.8	5543.4	6475.4	7407.3	7734.6	8062.1
42.5°	2575.9	2653.4	2736.4	3059.8	3383.1	4480.2	5577.6	6764.9	7952.3	8424.9	8897.4
45°	2424.3	2499.3	2583.5	2867.1	3150.7	4394.2	5637.7	7145.9	8654.1	9291.5	9929.0
47.5°	2289.1	2353.6	2462.3	2714.7	2967.2	4323.0	5679.0	7551.8	9424.6	10321.9	11219.0
50°	2170.0	2245.0	2387.8	2613.4	2839.1	4245.7	5652.1	7928.4	10204.7	11557.4	12910.0
52.5°	2081.3	2186.0	2350.2	2546.8	2743.5	4114.8	5486.2	8172.9	10859.5	12855.2	14850.9
55°	2034.1	2192.0	2344.7	2498.4	2652.2	3897.9	5143.4	8119.0	11094.4	14005.8	16917.4
57.5°	2005.8	2197.8	2332.6	2441.2	2549.8	3592.0	4633.9	7739.8	10845.6	14821.3	18797.0
60°	1979.3	2179.4	2268.2	2353.6	2439.0	3194.8	3950.7	7033.9	10117.1	15025.1	19932.9
62.5°	1948.2	2133.8	2144.8	2201.4	2258.1	2719.6	3181.1	6079.5	8978.0	14167.0	19356.1
65°	1882.9	2024.4	2023.0	2049.8	2076.5	2292.0	2507.4	5105.7	7704.2	12952.9	18201.5
67.5°	1766.4	1845.8	1849.5	1834.7	1819.8	1881.1	1942.2	4151.8	6361.5	11508.1	16654.7
70°	1618.5	1644.6	1644.6	1575.3	1505.9	1488.6	1471.1	3268.9	5066.8	9931.5	14796.2
72.5°	1453.8	1453.4	1436.9	1338.8	1240.4	1187.5	1134.8	2499.2	3863.4	8222.4	12581.6
75°	1266.8	1273.3	1197.1	1086.9	976.8	929.0	881.2	1813.8	2746.5	6263.3	9779.9
77.5°	1079.5	1082.9	957.5	850.5	743.5	710.8	678.3	1229.1	1779.8	4383.7	6987.6
80°	866.0	866.5	716.6	626.2	535.6	522.1	508.6	791.9	1075.3	2824.4	4573.3
82.5°	636.9	629.9	501.8	435.2	368.5	365.8	363.5	487.1	611.0	1634.7	2658.4
85°	419.3	410.1	315.0	266.1	217.3	218.6	219.8	260.3	301.1	735.3	1169.6
87.5°	185.2	173.4	133.9	113.9	94.0	95.1	96.4	107.9	119.6	240.9	362.1
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: P968688  
 CATALOG NUMBER: NAV-SB5C-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4737.8	4755.7	4781.2	4806.6	4821.8	4836.9	4844.5	4852.0	4848.7	4852.0	4844.5
5°	5137.7	5200.3	5262.3	5324.5	5358.2	5391.8	5412.2	5432.8	5448.3	5432.8	5412.2
7.5°	5534.0	5635.6	5727.0	5818.4	5873.6	5928.6	5958.4	5988.0	6002.4	5988.0	5958.4
10°	5826.2	5946.4	6053.8	6161.0	6226.1	6290.7	6319.6	6348.4	6359.4	6348.4	6319.6
12.5°	6003.8	6134.0	6231.1	6327.7	6374.9	6422.0	6437.9	6453.7	6455.3	6453.7	6437.9
15°	6087.9	6200.2	6261.0	6322.0	6323.7	6325.4	6308.6	6291.7	6271.9	6291.7	6308.6
17.5°	6108.6	6184.5	6185.8	6186.8	6118.5	6050.4	5987.8	5925.2	5881.1	5925.2	5987.8
20°	6122.2	6148.9	6068.9	5988.9	5838.3	5687.7	5578.2	5468.5	5401.1	5468.5	5578.2
22.5°	6134.4	6099.7	5933.9	5768.3	5546.8	5325.3	5188.2	5051.1	4976.7	5051.1	5188.2
25°	6153.9	6044.4	5792.9	5541.3	5272.3	5003.3	4859.1	4715.3	4644.9	4715.3	4859.1
27.5°	6195.7	5999.8	5666.5	5333.4	5035.3	4737.2	4595.4	4453.7	4387.2	4453.7	4595.4
30°	6272.2	5980.5	5570.2	5160.0	4849.4	4538.8	4407.3	4275.8	4213.8	4275.8	4407.3
32.5°	6368.1	5968.7	5504.6	5040.3	4748.5	4456.6	4353.4	4250.0	4205.4	4250.0	4353.4
35°	6526.3	6037.4	5553.7	5070.2	4867.4	4664.8	4640.7	4616.6	4612.9	4616.6	4640.7
37.5°	6856.9	6281.6	5842.0	5402.5	5389.3	5376.2	5486.3	5596.5	5653.7	5596.5	5486.3
40°	7436.4	6810.7	6483.8	6157.0	6387.7	6618.4	6886.2	7154.0	7287.3	7154.0	6886.2
42.5°	8276.7	7655.8	7467.5	7279.2	7782.5	8285.8	8772.8	9259.8	9545.8	9259.8	8772.8
45°	9371.4	8813.6	8730.5	8647.3	9453.6	10259.9	11060.3	11860.7	12346.6	11860.7	11060.3
47.5°	10676.6	10134.0	10117.1	10100.2	11263.3	12426.1	13597.8	14769.2	15457.2	14769.2	13597.8
50°	12239.8	11569.9	11572.8	11575.6	13074.5	14573.3	16120.0	17666.5	18601.6	17666.5	16120.0
52.5°	14039.5	13228.2	13146.2	13064.0	14854.5	16644.9	18558.4	20471.8	21592.6	20471.8	18558.4
55°	16115.8	15314.1	14994.3	14674.4	16667.1	18659.7	20940.9	23222.1	24555.1	23222.1	20940.9
57.5°	18360.4	17923.7	17282.2	16640.9	18652.9	20665.0	23248.8	25832.6	27485.6	25832.6	23248.8
60°	20610.9	21289.1	20492.5	19696.0	21600.0	23504.2	26270.5	29037.0	30823.5	29037.0	26270.5
62.5°	21208.8	23061.6	22971.8	22881.9	24626.1	26370.6	29002.6	31634.5	33285.7	31634.5	29002.6
65°	19940.5	21679.4	22023.5	22367.3	24584.0	26800.9	29353.1	31905.1	33311.1	31905.1	29353.1
67.5°	18308.6	19962.4	20123.7	20284.9	22594.6	24904.0	27467.1	30030.3	31131.7	30030.3	27467.1
70°	16595.1	18394.1	18466.2	18538.5	20603.8	22669.2	24874.9	27080.5	27692.7	27080.5	24874.9
72.5°	14645.8	16710.3	16762.1	16813.8	18429.8	20045.7	21697.7	23349.6	23411.5	23349.6	21697.7
75°	11916.4	14053.0	14244.8	14436.6	15693.9	16951.1	18114.0	19277.0	18965.4	19277.0	18114.0
77.5°	8982.0	10976.5	11251.0	11525.6	12481.3	13437.1	14261.8	15086.8	14551.2	15086.8	14261.8
80°	6251.3	7929.0	8270.2	8611.4	9333.3	10054.7	10488.0	10921.0	10059.5	10921.0	10488.0
82.5°	3805.5	4952.8	5333.9	5715.2	6212.0	6708.8	6889.5	7070.1	6393.1	7070.1	6889.5
85°	1778.5	2387.3	2711.5	3035.7	3443.9	3852.1	3954.6	4057.2	3514.8	4057.2	3954.6
87.5°	566.7	771.3	952.2	1133.1	1337.2	1541.4	1550.1	1558.7	1308.6	1558.7	1550.1
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: P968688  
 CATALOG NUMBER: NAV-SB5C-722-U-SLR

**CANDELA DISTRIBUTION (continued):**

	330°	335°	340°	345°	350°	355°	360°
0°	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9	4388.9
2.5°	4836.9	4821.8	4806.6	4781.2	4755.7	4737.8	4719.8
5°	5391.8	5358.2	5324.5	5262.3	5200.3	5137.7	5075.2
7.5°	5928.6	5873.6	5818.4	5727.0	5635.6	5534.0	5432.3
10°	6290.7	6226.1	6161.0	6053.8	5946.4	5826.2	5706.0
12.5°	6422.0	6374.9	6327.7	6231.1	6134.0	6003.8	5873.6
15°	6325.4	6323.7	6322.0	6261.0	6200.2	6087.9	5975.4
17.5°	6050.4	6118.5	6186.8	6185.8	6184.5	6108.6	6032.6
20°	5687.7	5838.3	5988.9	6068.9	6148.9	6122.2	6095.8
22.5°	5325.3	5546.8	5768.3	5933.9	6099.7	6134.4	6169.1
25°	5003.3	5272.3	5541.3	5792.9	6044.4	6153.9	6263.4
27.5°	4737.2	5035.3	5333.4	5666.5	5999.8	6195.7	6391.4
30°	4538.8	4849.4	5160.0	5570.2	5980.5	6272.2	6564.0
32.5°	4456.6	4748.5	5040.3	5504.6	5968.7	6368.1	6767.8
35°	4664.8	4867.4	5070.2	5553.7	6037.4	6526.3	7015.4
37.5°	5376.2	5389.3	5402.5	5842.0	6281.6	6856.9	7432.2
40°	6618.4	6387.7	6157.0	6483.8	6810.7	7436.4	8062.1
42.5°	8285.8	7782.5	7279.2	7467.5	7655.8	8276.7	8897.4
45°	10259.9	9453.6	8647.3	8730.5	8813.6	9371.4	9929.0
47.5°	12426.1	11263.3	10100.2	10117.1	10134.0	10676.6	11219.0
50°	14573.3	13074.5	11575.6	11572.8	11569.9	12239.8	12910.0
52.5°	16644.9	14854.5	13064.0	13146.2	13228.2	14039.5	14850.9
55°	18659.7	16667.1	14674.4	14994.3	15314.1	16115.8	16917.4
57.5°	20665.0	18652.9	16640.9	17282.2	17923.7	18360.4	18797.0
60°	23504.2	21600.0	19696.0	20492.5	21289.1	20610.9	19932.9
62.5°	26370.6	24626.1	22881.9	22971.8	23061.6	21208.8	19356.1
65°	26800.9	24584.0	22367.3	22023.5	21679.4	19940.5	18201.5
67.5°	24904.0	22594.6	20284.9	20123.7	19962.4	18308.6	16654.7
70°	22669.2	20603.8	18538.5	18466.2	18394.1	16595.1	14796.2
72.5°	20045.7	18429.8	16813.8	16762.1	16710.3	14645.8	12581.6
75°	16951.1	15693.9	14436.6	14244.8	14053.0	11916.4	9779.9
77.5°	13437.1	12481.3	11525.6	11251.0	10976.5	8982.0	6987.6
80°	10054.7	9333.3	8611.4	8270.2	7929.0	6251.3	4573.3
82.5°	6708.8	6212.0	5715.2	5333.9	4952.8	3805.5	2658.4
85°	3852.1	3443.9	3035.7	2711.5	2387.3	1778.5	1169.6
87.5°	1541.4	1337.2	1133.1	952.2	771.3	566.7	362.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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