

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: P968223

Luminaire Tested: **NAV-SB5B-730-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P968223
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-730-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29051.6 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

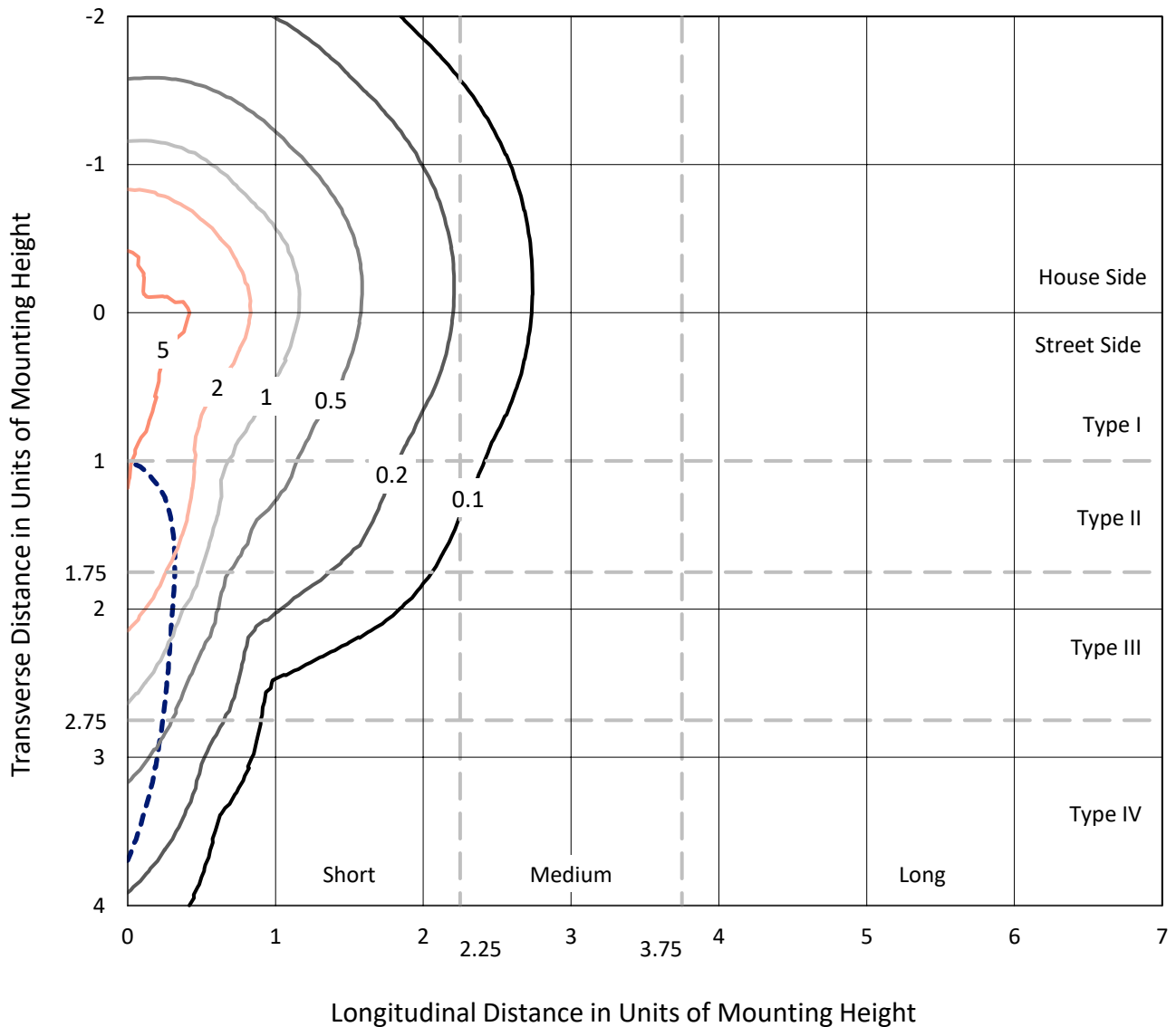
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

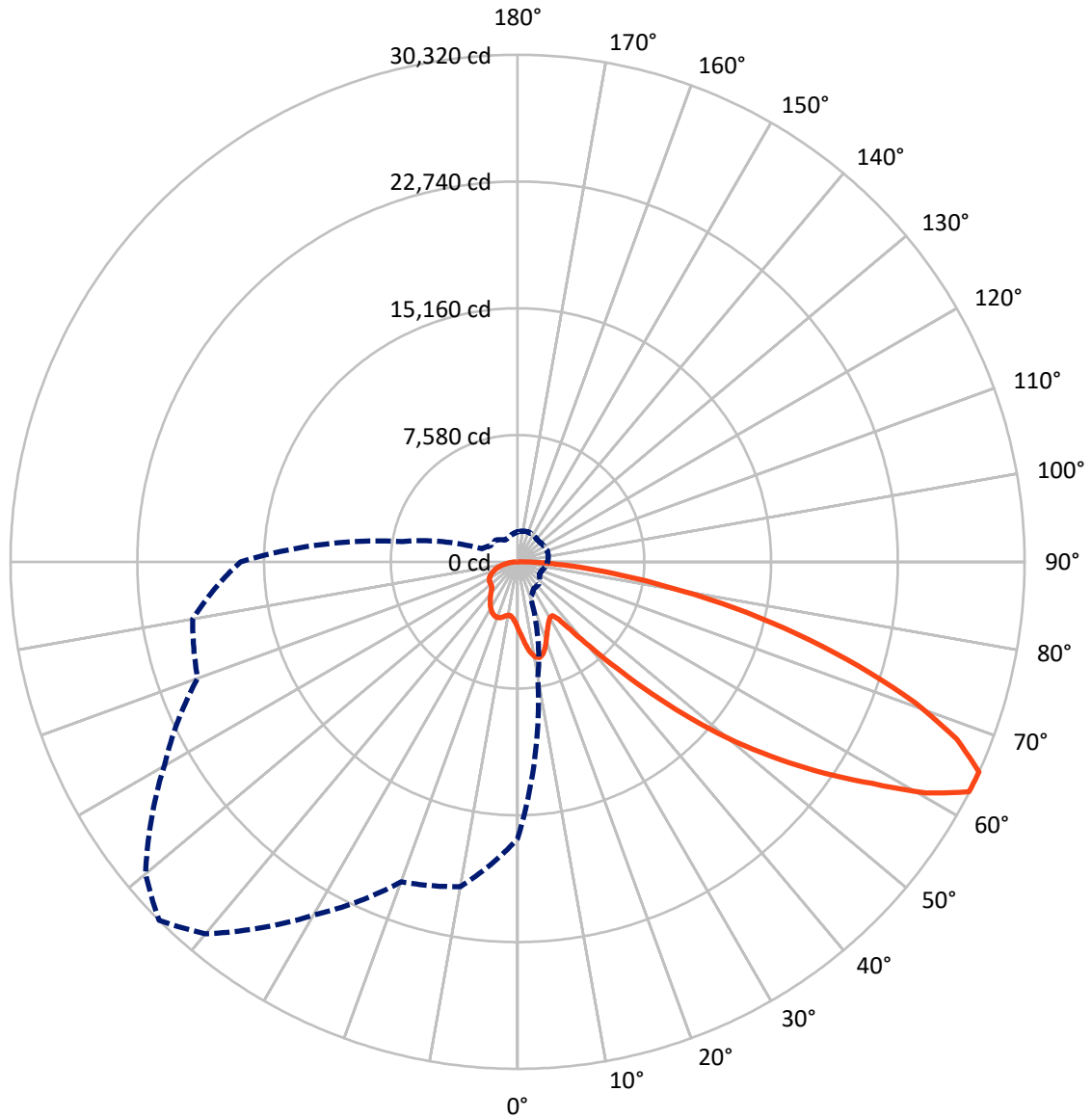
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 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
House Side	Lumens	7383.4	0.0	7383.4
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	21668.1	0.0	21668.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	29051.6	0.0	29051.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.3	1.4
10°-20°	1244.0	4.3
20°-30°	1921.6	6.6
30°-40°	2435.1	8.4
40°-50°	3672.8	12.6
50°-60°	5933.9	20.4
60°-70°	7397.6	25.5
70°-80°	4851.0	16.7
80°-90°	1199.3	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°	29051.6	100.0
0°-180°	29051.6	100.0

Coefficient of Utilization



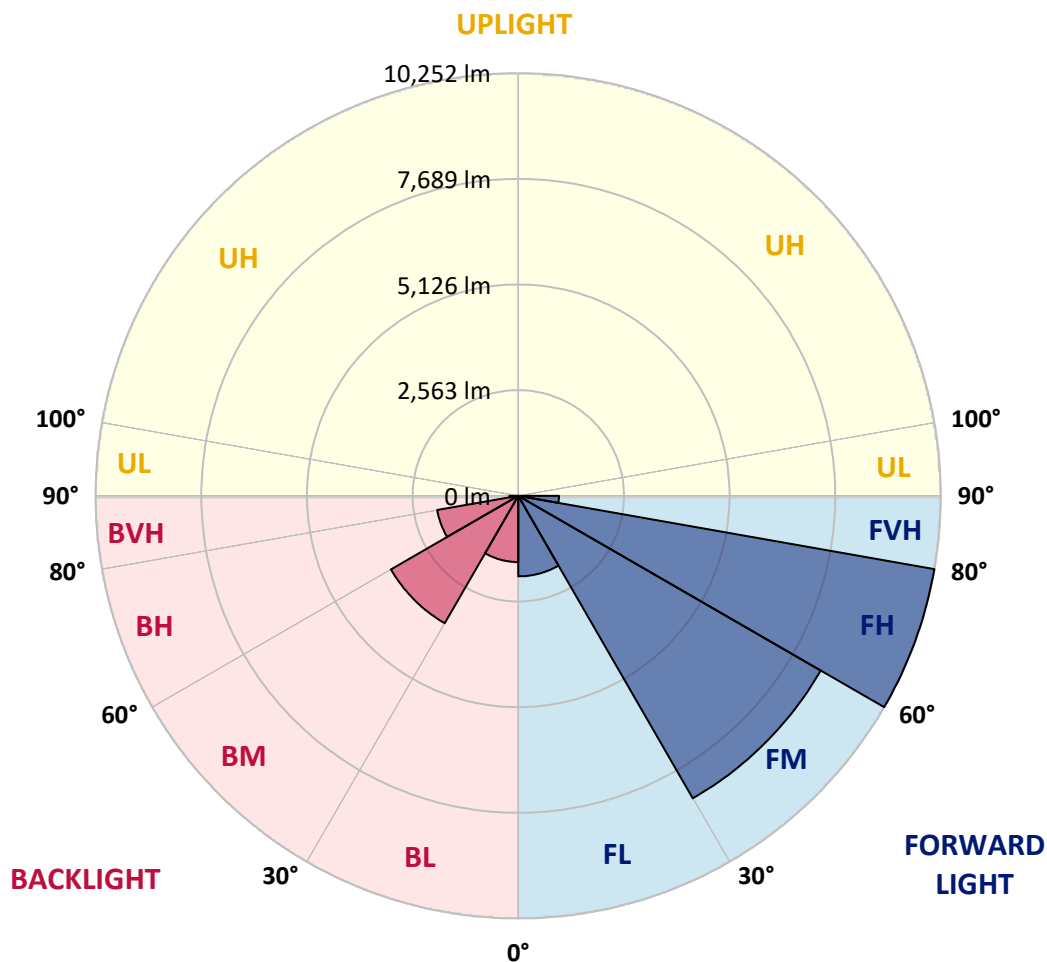
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1954.1	6.7			
FM (30°-60°)	8473.7	29.2			
FH (60°-80°)	10252.4	35.3			G4/12000
FVH (80°-90°)	987.9	3.4			G5
BL (0°-30°)	1607.8	5.5	B3/2500		
BM (30°-60°)	3568.1	12.3	B3/5000		
BH (60°-80°)	1996.1	6.9	B3/2500		G3/2500
BVH (80°-90°)	211.3	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	4296.1	4263.1	4230.2	4195.0	4160.1	4124.8	4089.5	4055.8	4022.1	3989.5	3953.1
5°	4619.5	4546.7	4473.9	4401.2	4328.7	4255.6	4182.6	4114.5	4046.2	3981.8	3918.2
7.5°	4944.5	4824.3	4704.2	4593.3	4482.3	4374.3	4266.2	4170.9	4075.8	3988.0	3905.7
10°	5193.6	5041.7	4889.8	4743.1	4596.5	4465.3	4333.9	4221.4	4108.6	4000.2	3911.7
12.5°	5346.1	5179.2	5012.5	4846.2	4680.0	4525.3	4370.4	4243.0	4115.7	4001.7	3919.4
15°	5438.9	5264.9	5090.9	4910.6	4730.4	4552.0	4373.8	4226.3	4078.9	3952.7	3886.8
17.5°	5491.0	5314.5	5138.1	4941.4	4744.7	4537.8	4330.8	4153.5	3976.2	3827.8	3787.2
20°	5548.4	5365.2	5181.7	4965.5	4749.3	4498.5	4247.8	4027.9	3808.1	3635.4	3624.6
22.5°	5615.2	5427.8	5240.3	4998.0	4755.5	4450.4	4145.4	3880.6	3615.9	3419.2	3440.2
25°	5701.0	5517.4	5333.9	5056.8	4779.7	4402.9	4026.3	3716.1	3406.2	3204.6	3261.3
27.5°	5817.5	5642.4	5467.2	5148.9	4830.3	4371.2	3912.0	3565.8	3219.5	3035.9	3104.9
30°	5974.6	5805.4	5636.3	5268.0	4899.6	4356.4	3812.7	3440.1	3067.4	2913.4	2967.5
32.5°	6160.1	5992.6	5825.2	5392.3	4959.4	4337.9	3716.1	3331.7	2947.1	2823.0	2846.9
35°	6385.4	6225.1	6064.6	5533.9	5003.2	4303.3	3603.6	3225.2	2846.6	2743.2	2733.3
37.5°	6764.9	6560.4	6355.9	5692.5	5029.3	4243.9	3458.7	3099.8	2740.8	2650.4	2614.0
40°	7338.2	7040.2	6742.1	5894.0	5045.7	4162.2	3279.0	2950.2	2621.3	2539.3	2483.4
42.5°	8098.5	7668.3	7238.2	6157.5	5076.8	4078.0	3079.4	2785.0	2490.8	2415.1	2344.6
45°	9037.4	8457.3	7877.0	6504.2	5131.6	3999.6	2867.8	2609.6	2351.6	2274.9	2206.6
47.5°	10211.7	9395.0	8578.3	6873.8	5169.1	3934.9	2700.8	2471.0	2241.2	2142.2	2083.6
50°	11750.7	10519.7	9288.3	7216.5	5144.6	3864.4	2584.2	2378.8	2173.4	2043.4	1975.2
52.5°	13517.5	11700.9	9884.4	7439.0	4993.6	3745.2	2497.2	2318.1	2139.2	1989.7	1894.4
55°	15398.4	12748.2	10098.2	7390.0	4681.6	3547.8	2414.1	2274.2	2134.2	1995.2	1851.5
57.5°	17109.1	13490.4	9871.9	7044.8	4217.9	3269.4	2320.9	2222.0	2123.1	2000.5	1825.7
60°	18143.1	13676.0	9208.7	6402.4	3596.0	2908.0	2220.0	2142.2	2064.6	1983.6	1801.5
62.5°	17618.1	12894.9	8171.8	5533.6	2895.4	2475.4	2055.3	2003.7	1952.2	1942.3	1773.4
65°	16567.3	11789.9	7012.4	4647.2	2282.3	2086.2	1890.1	1865.7	1841.4	1842.6	1713.8
67.5°	15159.2	10474.8	5790.2	3779.0	1767.8	1712.2	1656.3	1670.0	1683.5	1680.1	1607.7
70°	13467.7	9039.8	4611.9	2975.5	1339.1	1354.9	1370.7	1433.9	1496.9	1496.9	1473.1
72.5°	11451.8	7484.1	3516.6	2274.7	1032.9	1080.9	1129.0	1218.5	1307.9	1323.0	1323.3
75°	8901.8	5700.8	2499.9	1651.0	802.1	845.5	889.1	989.3	1089.6	1158.9	1153.1
77.5°	6360.1	3990.1	1620.0	1118.8	617.5	647.1	676.8	774.2	871.5	985.6	982.6
80°	4162.7	2570.7	978.8	720.8	463.0	475.2	487.5	569.9	652.3	788.7	788.2
82.5°	2419.7	1487.9	556.2	443.3	330.8	332.9	335.4	396.2	456.8	573.3	579.7
85°	1064.7	669.3	274.1	237.0	200.1	199.0	197.7	242.2	286.7	373.3	381.7
87.5°	329.5	219.2	108.9	98.3	87.6	86.6	85.6	103.6	121.9	157.8	168.6
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°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	3923.7	3894.4	3867.9	3841.6	3818.4	3795.3	3772.0	3748.8	3730.9	3712.8	3698.2
5°	3862.7	3807.1	3760.4	3714.0	3672.9	3631.9	3594.6	3557.2	3528.6	3499.7	3479.7
7.5°	3831.8	3758.0	3696.7	3635.4	3583.7	3531.9	3486.2	3440.7	3406.5	3372.5	3348.6
10°	3833.9	3756.0	3694.7	3633.4	3577.8	3521.9	3470.5	3419.2	3378.4	3337.5	3310.9
12.5°	3855.6	3792.2	3751.4	3710.9	3667.1	3623.6	3570.4	3517.3	3465.2	3413.0	3378.6
15°	3856.3	3825.9	3831.4	3837.0	3825.6	3814.2	3768.1	3722.0	3647.8	3573.6	3521.2
17.5°	3798.3	3809.3	3876.2	3943.1	3978.6	4014.0	3976.8	3939.7	3841.4	3743.1	3665.9
20°	3676.8	3728.8	3844.9	3961.1	4035.4	4109.8	4092.6	4075.3	3963.0	3850.7	3756.0
22.5°	3517.3	3594.5	3726.9	3859.6	3956.4	4053.1	4063.5	4073.8	3966.4	3859.2	3761.6
25°	3350.2	3439.2	3558.3	3677.5	3772.7	3867.9	3903.5	3938.9	3850.9	3763.1	3676.3
27.5°	3190.8	3276.6	3374.6	3472.4	3548.8	3625.1	3664.7	3704.3	3641.6	3579.1	3511.9
30°	3035.5	3103.9	3185.2	3266.4	3329.7	3393.2	3425.3	3457.5	3409.9	3362.0	3313.9
32.5°	2887.3	2927.6	2992.5	3057.5	3118.2	3179.0	3214.7	3250.6	3206.7	3162.7	3124.3
35°	2744.2	2755.5	2805.0	2854.3	2914.4	2974.7	3017.6	3060.5	3029.3	2998.1	2962.6
37.5°	2601.7	2589.5	2625.0	2660.4	2720.4	2780.4	2833.5	2886.5	2872.2	2857.7	2825.1
40°	2455.6	2427.9	2453.4	2479.1	2537.0	2595.0	2656.0	2717.2	2720.7	2724.0	2696.3
42.5°	2307.9	2271.1	2291.9	2312.9	2367.8	2422.8	2488.7	2554.6	2572.2	2589.9	2566.5
45°	2170.8	2135.1	2152.6	2170.3	2222.5	2274.6	2342.9	2411.3	2436.6	2461.9	2440.7
47.5°	2053.5	2023.5	2040.1	2056.5	2107.5	2158.3	2225.8	2293.2	2322.4	2351.6	2336.8
50°	1948.5	1922.0	1947.7	1973.6	2021.8	2069.8	2130.2	2190.5	2227.9	2265.4	2264.4
52.5°	1868.1	1841.8	1880.6	1919.2	1963.4	2007.4	2063.6	2120.0	2164.4	2208.7	2216.7
55°	1809.7	1768.2	1823.3	1878.1	1925.7	1973.2	2022.5	2071.7	2118.7	2165.7	2176.8
57.5°	1765.0	1704.4	1763.5	1822.7	1878.4	1934.3	1983.0	2032.0	2079.3	2126.5	2137.6
60°	1722.9	1644.1	1696.1	1747.8	1811.9	1876.1	1925.6	1975.2	2022.7	2070.2	2082.5
62.5°	1674.8	1576.7	1609.6	1642.6	1717.2	1792.0	1844.9	1897.8	1941.4	1984.8	1996.7
65°	1609.2	1504.6	1517.3	1529.9	1609.9	1690.0	1740.7	1791.3	1829.5	1867.9	1880.0
67.5°	1520.7	1433.6	1429.7	1425.7	1499.5	1573.6	1621.6	1669.4	1702.5	1735.6	1747.4
70°	1411.2	1349.3	1335.5	1321.7	1386.7	1451.7	1493.1	1534.4	1564.4	1594.3	1605.6
72.5°	1280.7	1238.3	1218.1	1198.0	1249.2	1300.2	1337.6	1375.0	1404.4	1433.6	1447.1
75°	1120.4	1087.6	1068.3	1048.9	1086.8	1124.8	1158.8	1192.6	1219.3	1246.0	1260.0
77.5°	956.4	930.2	910.6	890.9	921.9	952.7	981.8	1011.0	1039.0	1066.9	1080.1
80°	766.3	744.3	727.9	711.2	737.1	762.6	787.2	811.7	833.0	854.1	871.7
82.5°	569.0	558.3	546.6	534.9	532.9	530.7	522.1	513.5	558.9	604.2	634.1
85°	370.2	358.7	345.6	332.6	321.6	310.4	286.7	262.9	305.3	348.0	384.8
87.5°	164.0	159.4	156.9	154.6	154.1	153.6	135.5	117.3	135.1	153.0	167.9
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°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	3683.6	3672.3	3661.0	3650.5	3640.0	3627.0	3640.0	3650.5	3661.0	3672.3	3683.6
5°	3459.6	3445.3	3431.0	3420.1	3409.3	3398.5	3409.3	3420.1	3431.0	3445.3	3459.6
7.5°	3324.7	3308.2	3292.0	3282.2	3272.5	3265.1	3272.5	3282.2	3292.0	3308.2	3324.7
10°	3283.9	3268.4	3252.9	3244.6	3236.3	3233.0	3236.3	3244.6	3252.9	3268.4	3283.9
12.5°	3344.1	3326.7	3309.6	3302.6	3295.5	3294.2	3295.5	3302.6	3309.6	3326.7	3344.1
15°	3468.7	3444.7	3420.7	3411.5	3402.4	3401.6	3402.4	3411.5	3420.7	3444.7	3468.7
17.5°	3588.6	3553.1	3517.3	3505.7	3493.9	3492.1	3493.9	3505.7	3517.3	3553.1	3588.6
20°	3661.4	3615.9	3570.2	3555.6	3541.1	3536.5	3541.1	3555.6	3570.2	3615.9	3661.4
22.5°	3664.1	3616.1	3567.9	3551.8	3535.7	3528.9	3535.7	3551.8	3567.9	3616.1	3664.1
25°	3589.9	3548.1	3506.6	3491.5	3476.4	3467.5	3476.4	3491.5	3506.6	3548.1	3589.9
27.5°	3444.5	3416.6	3388.5	3381.7	3374.8	3372.5	3374.8	3381.7	3388.5	3416.6	3444.5
30°	3265.4	3251.2	3236.8	3236.8	3236.8	3239.1	3236.8	3236.8	3236.8	3251.2	3265.4
32.5°	3085.8	3076.4	3067.1	3068.3	3069.7	3072.0	3069.7	3068.3	3067.1	3076.4	3085.8
35°	2927.2	2912.8	2898.8	2895.7	2892.7	2891.1	2892.7	2895.7	2898.8	2912.8	2927.2
37.5°	2792.2	2766.4	2740.5	2726.9	2713.3	2705.6	2713.3	2726.9	2740.5	2766.4	2792.2
40°	2668.6	2630.9	2593.5	2567.9	2542.8	2527.9	2542.8	2567.9	2593.5	2630.9	2668.6
42.5°	2543.1	2496.4	2449.6	2412.6	2375.7	2351.6	2375.7	2412.6	2449.6	2496.4	2543.1
45°	2419.7	2366.2	2312.9	2269.6	2226.1	2198.2	2226.1	2269.6	2312.9	2366.2	2419.7
47.5°	2322.1	2274.6	2227.0	2186.9	2146.9	2120.0	2146.9	2186.9	2227.0	2274.6	2322.1
50°	2263.8	2225.8	2187.9	2150.8	2113.7	2087.8	2113.7	2150.8	2187.9	2225.8	2263.8
52.5°	2224.6	2193.6	2162.6	2129.4	2096.3	2072.5	2096.3	2129.4	2162.6	2193.6	2224.6
55°	2187.9	2160.8	2133.8	2104.7	2075.6	2054.1	2075.6	2104.7	2133.8	2160.8	2187.9
57.5°	2148.9	2121.5	2094.3	2065.5	2036.5	2014.3	2036.5	2065.5	2094.3	2121.5	2148.9
60°	2094.8	2068.0	2041.6	2011.9	1982.0	1959.1	1982.0	2011.9	2041.6	2068.0	2094.8
62.5°	2008.5	1984.4	1960.3	1929.0	1897.8	1870.2	1897.8	1929.0	1960.3	1984.4	2008.5
65°	1891.9	1868.8	1845.6	1815.3	1785.1	1761.4	1785.1	1815.3	1845.6	1868.8	1891.9
67.5°	1759.0	1737.8	1716.6	1688.4	1660.2	1638.7	1660.2	1688.4	1716.6	1737.8	1759.0
70°	1616.9	1599.6	1582.3	1555.3	1528.4	1503.8	1528.4	1555.3	1582.3	1599.6	1616.9
72.5°	1460.6	1446.2	1431.7	1406.0	1380.4	1356.7	1380.4	1406.0	1431.7	1446.2	1460.6
75°	1274.2	1267.1	1260.0	1238.5	1216.9	1194.1	1216.9	1238.5	1260.0	1267.1	1274.2
77.5°	1093.3	1083.5	1073.4	1051.5	1029.8	1011.8	1029.8	1051.5	1073.4	1083.5	1093.3
80°	889.1	884.8	880.7	851.4	821.9	787.9	821.9	851.4	880.7	884.8	889.1
82.5°	663.8	661.9	659.9	635.3	610.4	588.7	610.4	635.3	659.9	661.9	663.8
85°	421.6	418.5	415.4	396.2	376.8	357.2	376.8	396.2	415.4	418.5	421.6
87.5°	182.8	179.1	175.1	165.2	155.1	145.7	155.1	165.2	175.1	179.1	182.8
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: P968223
 CATALOG NUMBER: NAV-SB5B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	3698.2	3712.8	3730.9	3748.8	3772.0	3795.3	3818.4	3841.6	3867.9	3894.4	3923.7
5°	3479.7	3499.7	3528.6	3557.2	3594.6	3631.9	3672.9	3714.0	3760.4	3807.1	3862.7
7.5°	3348.6	3372.5	3406.5	3440.7	3486.2	3531.9	3583.7	3635.4	3696.7	3758.0	3831.8
10°	3310.9	3337.5	3378.4	3419.2	3470.5	3521.9	3577.8	3633.4	3694.7	3756.0	3833.9
12.5°	3378.6	3413.0	3465.2	3517.3	3570.4	3623.6	3667.1	3710.9	3751.4	3792.2	3855.6
15°	3521.2	3573.6	3647.8	3722.0	3768.1	3814.2	3825.6	3837.0	3831.4	3825.9	3856.3
17.5°	3665.9	3743.1	3841.4	3939.7	3976.8	4014.0	3978.6	3943.1	3876.2	3809.3	3798.3
20°	3756.0	3850.7	3963.0	4075.3	4092.6	4109.8	4035.4	3961.1	3844.9	3728.8	3676.8
22.5°	3761.6	3859.2	3966.4	4073.8	4063.5	4053.1	3956.4	3859.6	3726.9	3594.5	3517.3
25°	3676.3	3763.1	3850.9	3938.9	3903.5	3867.9	3772.7	3677.5	3558.3	3439.2	3350.2
27.5°	3511.9	3579.1	3641.6	3704.3	3664.7	3625.1	3548.8	3472.4	3374.6	3276.6	3190.8
30°	3313.9	3362.0	3409.9	3457.5	3425.3	3393.2	3329.7	3266.4	3185.2	3103.9	3035.5
32.5°	3124.3	3162.7	3206.7	3250.6	3214.7	3179.0	3118.2	3057.5	2992.5	2927.6	2887.3
35°	2962.6	2998.1	3029.3	3060.5	3017.6	2974.7	2914.4	2854.3	2805.0	2755.5	2744.2
37.5°	2825.1	2857.7	2872.2	2886.5	2833.5	2780.4	2720.4	2660.4	2625.0	2589.5	2601.7
40°	2696.3	2724.0	2720.7	2717.2	2656.0	2595.0	2537.0	2479.1	2453.4	2427.9	2455.6
42.5°	2566.5	2589.9	2572.2	2554.6	2488.7	2422.8	2367.8	2312.9	2291.9	2271.1	2307.9
45°	2440.7	2461.9	2436.6	2411.3	2342.9	2274.6	2222.5	2170.3	2152.6	2135.1	2170.8
47.5°	2336.8	2351.6	2322.4	2293.2	2225.8	2158.3	2107.5	2056.5	2040.1	2023.5	2053.5
50°	2264.4	2265.4	2227.9	2190.5	2130.2	2069.8	2021.8	1973.6	1947.7	1922.0	1948.5
52.5°	2216.7	2208.7	2164.4	2120.0	2063.6	2007.4	1963.4	1919.2	1880.6	1841.8	1868.1
55°	2176.8	2165.7	2118.7	2071.7	2022.5	1973.2	1925.7	1878.1	1823.3	1768.2	1809.7
57.5°	2137.6	2126.5	2079.3	2032.0	1983.0	1934.3	1878.4	1822.7	1763.5	1704.4	1765.0
60°	2082.5	2070.2	2022.7	1975.2	1925.6	1876.1	1811.9	1747.8	1696.1	1644.1	1722.9
62.5°	1996.7	1984.8	1941.4	1897.8	1844.9	1792.0	1717.2	1642.6	1609.6	1576.7	1674.8
65°	1880.0	1867.9	1829.5	1791.3	1740.7	1690.0	1609.9	1529.9	1517.3	1504.6	1609.2
67.5°	1747.4	1735.6	1702.5	1669.4	1621.6	1573.6	1499.5	1425.7	1429.7	1433.6	1520.7
70°	1605.6	1594.3	1564.4	1534.4	1493.1	1451.7	1386.7	1321.7	1335.5	1349.3	1411.2
72.5°	1447.1	1433.6	1404.4	1375.0	1337.6	1300.2	1249.2	1198.0	1218.1	1238.3	1280.7
75°	1260.0	1246.0	1219.3	1192.6	1158.8	1124.8	1086.8	1048.9	1068.3	1087.6	1120.4
77.5°	1080.1	1066.9	1039.0	1011.0	981.8	952.7	921.9	890.9	910.6	930.2	956.4
80°	871.7	854.1	833.0	811.7	787.2	762.6	737.1	711.2	727.9	744.3	766.3
82.5°	634.1	604.2	558.9	513.5	522.1	530.7	532.9	534.9	546.6	558.3	569.0
85°	384.8	348.0	305.3	262.9	286.7	310.4	321.6	332.6	345.6	358.7	370.2
87.5°	167.9	153.0	135.1	117.3	135.5	153.6	154.1	154.6	156.9	159.4	164.0
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: P968223
 CATALOG NUMBER: NAV-SB5B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	3953.1	3989.5	4022.1	4055.8	4089.5	4124.8	4160.1	4195.0	4230.2	4263.1	4296.1
5°	3918.2	3981.8	4046.2	4114.5	4182.6	4255.6	4328.7	4401.2	4473.9	4546.7	4619.5
7.5°	3905.7	3988.0	4075.8	4170.9	4266.2	4374.3	4482.3	4593.3	4704.2	4824.3	4944.5
10°	3911.7	4000.2	4108.6	4221.4	4333.9	4465.3	4596.5	4743.1	4889.8	5041.7	5193.6
12.5°	3919.4	4001.7	4115.7	4243.0	4370.4	4525.3	4680.0	4846.2	5012.5	5179.2	5346.1
15°	3886.8	3952.7	4078.9	4226.3	4373.8	4552.0	4730.4	4910.6	5090.9	5264.9	5438.9
17.5°	3787.2	3827.8	3976.2	4153.5	4330.8	4537.8	4744.7	4941.4	5138.1	5314.5	5491.0
20°	3624.6	3635.4	3808.1	4027.9	4247.8	4498.5	4749.3	4965.5	5181.7	5365.2	5548.4
22.5°	3440.2	3419.2	3615.9	3880.6	4145.4	4450.4	4755.5	4998.0	5240.3	5427.8	5615.2
25°	3261.3	3204.6	3406.2	3716.1	4026.3	4402.9	4779.7	5056.8	5333.9	5517.4	5701.0
27.5°	3104.9	3035.9	3219.5	3565.8	3912.0	4371.2	4830.3	5148.9	5467.2	5642.4	5817.5
30°	2967.5	2913.4	3067.4	3440.1	3812.7	4356.4	4899.6	5268.0	5636.3	5805.4	5974.6
32.5°	2846.9	2823.0	2947.1	3331.7	3716.1	4337.9	4959.4	5392.3	5825.2	5992.6	6160.1
35°	2733.3	2743.2	2846.6	3225.2	3603.6	4303.3	5003.2	5533.9	6064.6	6225.1	6385.4
37.5°	2614.0	2650.4	2740.8	3099.8	3458.7	4243.9	5029.3	5692.5	6355.9	6560.4	6764.9
40°	2483.4	2539.3	2621.3	2950.2	3279.0	4162.2	5045.7	5894.0	6742.1	7040.2	7338.2
42.5°	2344.6	2415.1	2490.8	2785.0	3079.4	4078.0	5076.8	6157.5	7238.2	7668.3	8098.5
45°	2206.6	2274.9	2351.6	2609.6	2867.8	3999.6	5131.6	6504.2	7877.0	8457.3	9037.4
47.5°	2083.6	2142.2	2241.2	2471.0	2700.8	3934.9	5169.1	6873.8	8578.3	9395.0	10211.7
50°	1975.2	2043.4	2173.4	2378.8	2584.2	3864.4	5144.6	7216.5	9288.3	10519.7	11750.7
52.5°	1894.4	1989.7	2139.2	2318.1	2497.2	3745.2	4993.6	7439.0	9884.4	11700.9	13517.5
55°	1851.5	1995.2	2134.2	2274.2	2414.1	3547.8	4681.6	7390.0	10098.2	12748.2	15398.4
57.5°	1825.7	2000.5	2123.1	2222.0	2320.9	3269.4	4217.9	7044.8	9871.9	13490.4	17109.1
60°	1801.5	1983.6	2064.6	2142.2	2220.0	2908.0	3596.0	6402.4	9208.7	13676.0	18143.1
62.5°	1773.4	1942.3	1952.2	2003.7	2055.3	2475.4	2895.4	5533.6	8171.8	12894.9	17618.1
65°	1713.8	1842.6	1841.4	1865.7	1890.1	2086.2	2282.3	4647.2	7012.4	11789.9	16567.3
67.5°	1607.7	1680.1	1683.5	1670.0	1656.3	1712.2	1767.8	3779.0	5790.2	10474.8	15159.2
70°	1473.1	1496.9	1496.9	1433.9	1370.7	1354.9	1339.1	2975.5	4611.9	9039.8	13467.7
72.5°	1323.3	1323.0	1307.9	1218.5	1129.0	1080.9	1032.9	2274.7	3516.6	7484.1	11451.8
75°	1153.1	1158.9	1089.6	989.3	889.1	845.5	802.1	1651.0	2499.9	5700.8	8901.8
77.5°	982.6	985.6	871.5	774.2	676.8	647.1	617.5	1118.8	1620.0	3990.1	6360.1
80°	788.2	788.7	652.3	569.9	487.5	475.2	463.0	720.8	978.8	2570.7	4162.7
82.5°	579.7	573.3	456.8	396.2	335.4	332.9	330.8	443.3	556.2	1487.9	2419.7
85°	381.7	373.3	286.7	242.2	197.7	199.0	200.1	237.0	274.1	669.3	1064.7
87.5°	168.6	157.8	121.9	103.6	85.6	86.6	87.6	98.3	108.9	219.2	329.5
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: P968223
 CATALOG NUMBER: NAV-SB5B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	4312.3	4328.7	4351.8	4375.0	4388.8	4402.6	4409.5	4416.4	4413.3	4416.4	4409.5
5°	4676.4	4733.4	4789.8	4846.4	4877.1	4907.7	4926.3	4944.9	4959.1	4944.9	4926.3
7.5°	5037.1	5129.5	5212.7	5296.0	5346.1	5396.2	5423.4	5450.3	5463.4	5450.3	5423.4
10°	5303.0	5412.5	5510.2	5607.8	5667.0	5725.9	5752.2	5778.4	5788.4	5778.4	5752.2
12.5°	5464.8	5583.3	5671.5	5759.6	5802.5	5845.4	5859.8	5874.3	5875.7	5874.3	5859.8
15°	5541.3	5643.5	5698.9	5754.3	5755.9	5757.4	5742.0	5726.8	5708.6	5726.8	5742.0
17.5°	5560.1	5629.3	5630.3	5631.2	5569.1	5507.1	5450.2	5393.1	5353.1	5393.1	5450.2
20°	5572.5	5596.8	5523.9	5451.2	5314.1	5177.1	5077.2	4977.5	4916.1	4977.5	5077.2
22.5°	5583.6	5552.0	5401.1	5250.4	5048.7	4847.1	4722.4	4597.6	4529.9	4597.6	4722.4
25°	5601.3	5501.7	5272.7	5043.7	4798.8	4554.1	4422.9	4291.9	4227.8	4291.9	4422.9
27.5°	5639.3	5461.1	5157.7	4854.5	4583.2	4311.9	4182.8	4053.9	3993.3	4053.9	4182.8
30°	5708.9	5443.5	5070.1	4696.7	4414.0	4131.3	4011.5	3891.8	3835.4	3891.8	4011.5
32.5°	5796.4	5432.7	5010.3	4587.8	4322.1	4056.4	3962.5	3868.3	3827.8	3868.3	3962.5
35°	5940.3	5495.3	5055.0	4615.0	4430.4	4246.0	4224.0	4202.1	4198.7	4202.1	4224.0
37.5°	6241.2	5717.6	5317.5	4917.3	4905.4	4893.5	4993.7	5093.9	5146.1	5093.9	4993.7
40°	6768.7	6199.2	5901.6	5604.1	5814.1	6024.1	6267.9	6511.6	6633.1	6511.6	6267.9
42.5°	7533.4	6968.5	6797.1	6625.7	7083.7	7541.7	7985.1	8428.4	8688.7	8428.4	7985.1
45°	8529.8	8022.2	7946.6	7870.9	8604.7	9338.7	10067.1	10795.7	11238.0	10795.7	10067.1
47.5°	9717.9	9224.0	9208.7	9193.3	10251.9	11310.4	12376.8	13443.1	14069.4	13443.1	12376.8
50°	11140.8	10531.0	10533.6	10536.2	11900.6	13264.8	14672.6	16080.2	16931.4	16080.2	14672.6
52.5°	12778.9	12040.5	11965.8	11891.0	13520.7	15150.3	16892.1	18633.7	19653.9	18633.7	16892.1
55°	14668.7	13939.0	13647.9	13356.8	15170.6	16984.2	19060.6	21136.9	22350.2	21136.9	19060.6
57.5°	16711.8	16314.3	15730.4	15146.6	16978.1	18809.5	21161.3	23513.0	25017.6	23513.0	21161.3
60°	18760.3	19377.6	18652.5	17927.5	19660.5	21393.7	23911.7	26429.7	28055.9	26429.7	23911.7
62.5°	19304.4	20990.9	20909.2	20827.3	22414.9	24002.7	26398.5	28794.0	30297.1	28794.0	26398.5
65°	18150.0	19732.8	20045.9	20359.0	22376.7	24394.5	26717.4	29040.3	30320.0	29040.3	26717.4
67.5°	16664.6	18170.0	18316.8	18463.5	20565.8	22667.9	25000.9	27333.9	28336.4	27333.9	25000.9
70°	15105.0	16742.5	16808.1	16873.9	18753.8	20633.7	22641.3	24648.9	25206.1	24648.9	22641.3
72.5°	13330.7	15209.9	15257.0	15304.1	16774.9	18245.8	19749.5	21253.0	21309.4	21253.0	19749.5
75°	10846.4	12791.2	12965.7	13140.4	14284.7	15429.0	16487.5	17546.1	17262.4	17546.1	16487.5
77.5°	8175.5	9991.0	10240.8	10490.7	11360.6	12230.6	12981.2	13732.0	13244.6	13732.0	12981.2
80°	5690.0	7217.1	7527.7	7838.3	8495.2	9151.9	9546.2	9940.3	9156.2	9940.3	9546.2
82.5°	3463.8	4508.1	4855.0	5202.1	5654.2	6106.4	6271.0	6435.3	5819.0	6435.3	6271.0
85°	1618.8	2172.9	2468.0	2763.1	3134.8	3506.1	3599.5	3692.9	3199.2	3692.9	3599.5
87.5°	515.9	702.1	866.7	1031.4	1217.2	1402.9	1410.9	1418.7	1191.0	1418.7	1410.9
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: P968223
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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8	3994.8
2.5°	4402.6	4388.8	4375.0	4351.8	4328.7	4312.3	4296.1
5°	4907.7	4877.1	4846.4	4789.8	4733.4	4676.4	4619.5
7.5°	5396.2	5346.1	5296.0	5212.7	5129.5	5037.1	4944.5
10°	5725.9	5667.0	5607.8	5510.2	5412.5	5303.0	5193.6
12.5°	5845.4	5802.5	5759.6	5671.5	5583.3	5464.8	5346.1
15°	5757.4	5755.9	5754.3	5698.9	5643.5	5541.3	5438.9
17.5°	5507.1	5569.1	5631.2	5630.3	5629.3	5560.1	5491.0
20°	5177.1	5314.1	5451.2	5523.9	5596.8	5572.5	5548.4
22.5°	4847.1	5048.7	5250.4	5401.1	5552.0	5583.6	5615.2
25°	4554.1	4798.8	5043.7	5272.7	5501.7	5601.3	5701.0
27.5°	4311.9	4583.2	4854.5	5157.7	5461.1	5639.3	5817.5
30°	4131.3	4414.0	4696.7	5070.1	5443.5	5708.9	5974.6
32.5°	4056.4	4322.1	4587.8	5010.3	5432.7	5796.4	6160.1
35°	4246.0	4430.4	4615.0	5055.0	5495.3	5940.3	6385.4
37.5°	4893.5	4905.4	4917.3	5317.5	5717.6	6241.2	6764.9
40°	6024.1	5814.1	5604.1	5901.6	6199.2	6768.7	7338.2
42.5°	7541.7	7083.7	6625.7	6797.1	6968.5	7533.4	8098.5
45°	9338.7	8604.7	7870.9	7946.6	8022.2	8529.8	9037.4
47.5°	11310.4	10251.9	9193.3	9208.7	9224.0	9717.9	10211.7
50°	13264.8	11900.6	10536.2	10533.6	10531.0	11140.8	11750.7
52.5°	15150.3	13520.7	11891.0	11965.8	12040.5	12778.9	13517.5
55°	16984.2	15170.6	13356.8	13647.9	13939.0	14668.7	15398.4
57.5°	18809.5	16978.1	15146.6	15730.4	16314.3	16711.8	17109.1
60°	21393.7	19660.5	17927.5	18652.5	19377.6	18760.3	18143.1
62.5°	24002.7	22414.9	20827.3	20909.2	20990.9	19304.4	17618.1
65°	24394.5	22376.7	20359.0	20045.9	19732.8	18150.0	16567.3
67.5°	22667.9	20565.8	18463.5	18316.8	18170.0	16664.6	15159.2
70°	20633.7	18753.8	16873.9	16808.1	16742.5	15105.0	13467.7
72.5°	18245.8	16774.9	15304.1	15257.0	15209.9	13330.7	11451.8
75°	15429.0	14284.7	13140.4	12965.7	12791.2	10846.4	8901.8
77.5°	12230.6	11360.6	10490.7	10240.8	9991.0	8175.5	6360.1
80°	9151.9	8495.2	7838.3	7527.7	7217.1	5690.0	4162.7
82.5°	6106.4	5654.2	5202.1	4855.0	4508.1	3463.8	2419.7
85°	3506.1	3134.8	2763.1	2468.0	2172.9	1618.8	1064.7
87.5°	1402.9	1217.2	1031.4	866.7	702.1	515.9	329.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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