

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: P969990

Luminaire Tested: **NAV-SB6A-830-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969990
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-SB6A-830-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24963.9 lumens
Efficiency: N/A
Efficacy: 146.1 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): 170.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

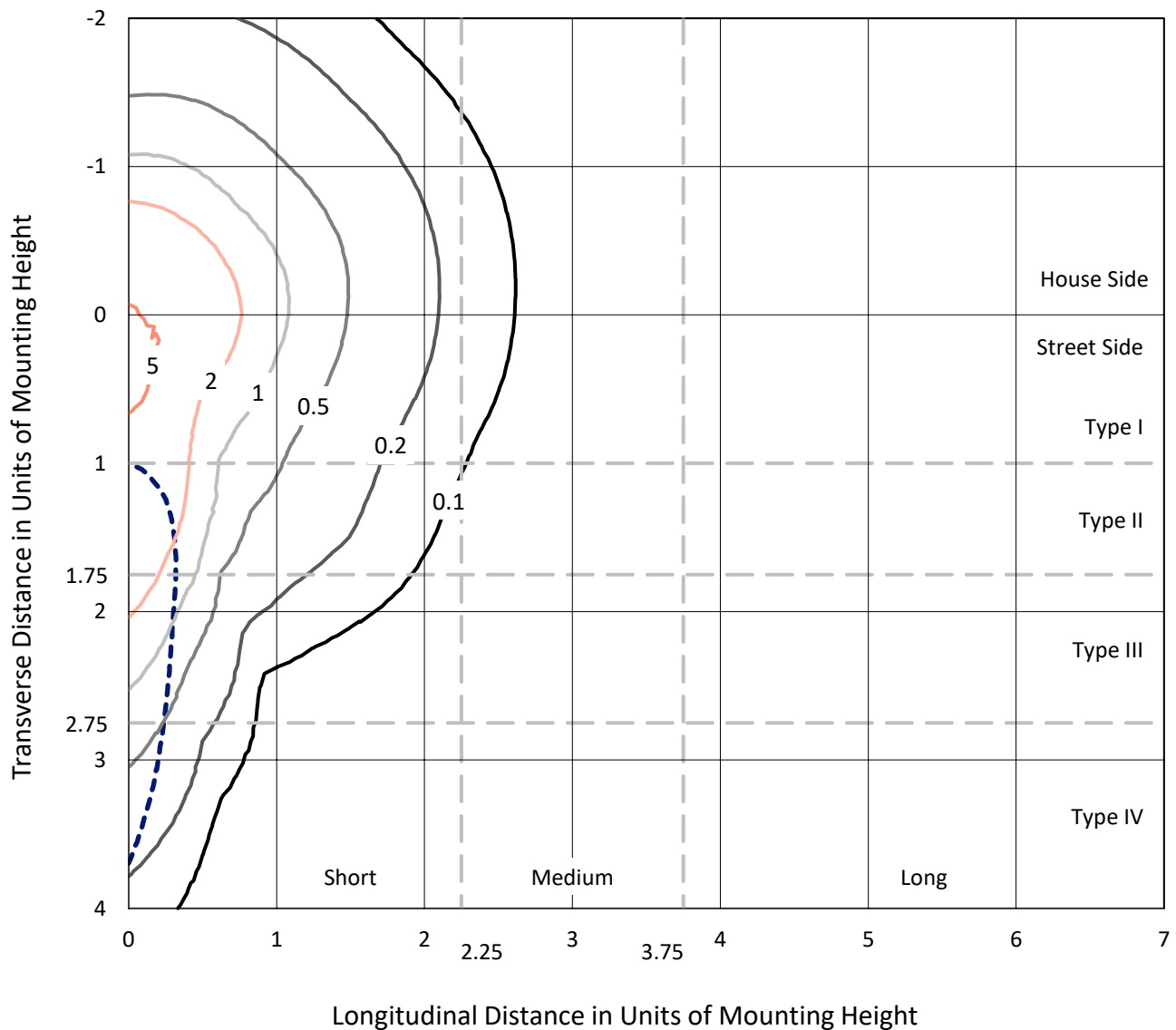


REPORT NUMBER: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

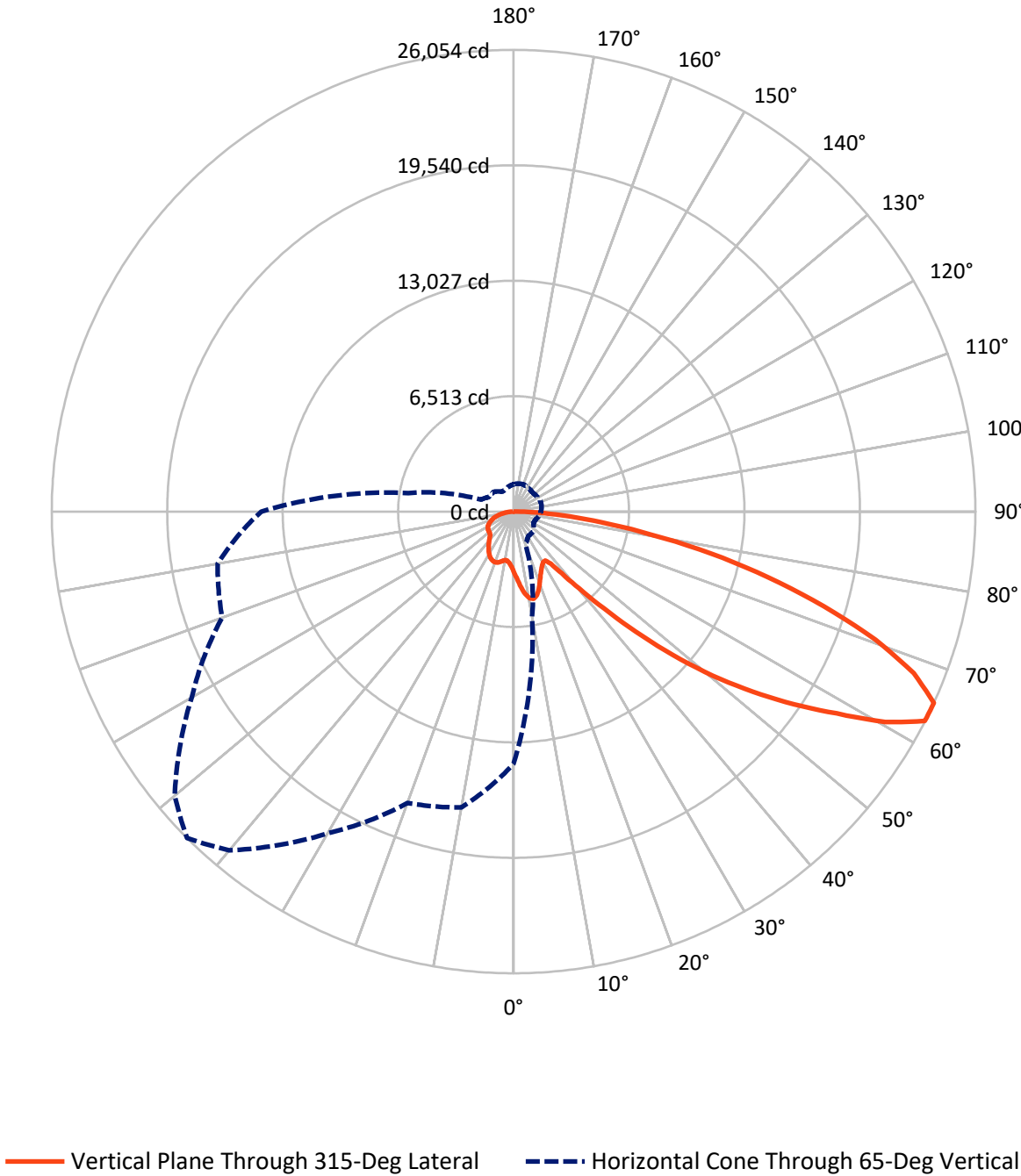
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
Type IV - Short - N/A

REPORT NUMBER: P969990
CATALOG NUMBER: NAV-SB6A-830-U-SLR

Luminous Intensity Polar Plot



REPORT NUMBER: P969990

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6344.6	0.0	6344.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18619.3	0.0	18619.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	24963.9	0.0	24963.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	340.5	1.4
10°-20°	1069.0	4.3
20°-30°	1651.2	6.6
30°-40°	2092.5	8.4
40°-50°	3156.0	12.6
50°-60°	5099.0	20.4
60°-70°	6356.7	25.5
70°-80°	4168.4	16.7
80°-90°	1030.5	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°	24963.9	100.0
0°-180°	24963.9	100.0

Coefficient of Utilization



REPORT NUMBER: P969990

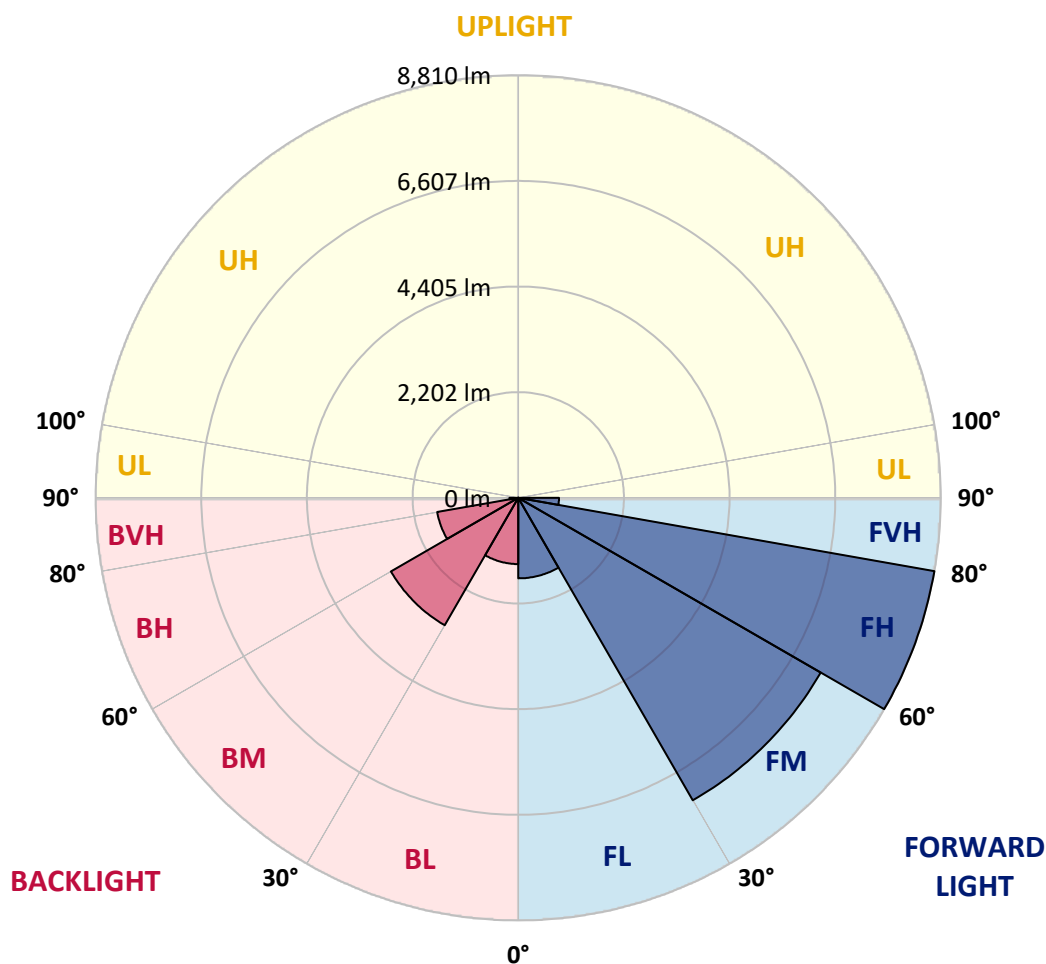
CATALOG NUMBER: NAV-SB6A-830-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1679.1	6.7			
FM	(30°-60°)	7281.4	29.2			
FH	(60°-80°)	8809.9	35.3			G4/12000
FVH	(80°-90°)	848.9	3.4			G5
BL	(0°-30°)	1381.6	5.5	B3/2500		
BM	(30°-60°)	3066.1	12.3	B3/5000		
BH	(60°-80°)	1715.3	6.9	B3/2500		G3/2500
BVH	(80°-90°)	181.6	0.7			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



REPORT NUMBER: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3691.5	3663.2	3635.0	3604.8	3574.8	3544.4	3514.1	3485.2	3456.2	3428.1	3397.0
5°	3969.5	3907.0	3844.4	3781.9	3719.6	3656.8	3594.1	3535.5	3476.9	3421.6	3366.9
7.5°	4248.8	4145.5	4042.4	3947.0	3851.6	3758.8	3665.9	3584.1	3502.3	3426.8	3356.1
10°	4462.8	4332.3	4201.8	4075.7	3949.7	3837.0	3724.1	3627.5	3530.5	3437.3	3361.4
12.5°	4593.9	4450.4	4307.2	4164.4	4021.6	3888.5	3755.5	3646.0	3536.6	3438.7	3367.9
15°	4673.6	4524.0	4374.6	4219.7	4064.7	3911.6	3758.4	3631.7	3504.9	3396.5	3339.9
17.5°	4718.4	4566.8	4415.2	4246.2	4077.1	3899.3	3721.5	3569.0	3416.6	3289.1	3254.3
20°	4767.8	4610.2	4452.6	4266.9	4081.1	3865.6	3650.1	3461.2	3272.3	3123.9	3114.7
22.5°	4825.1	4664.2	4503.0	4294.8	4086.4	3824.3	3562.1	3334.6	3107.1	2938.2	2956.2
25°	4898.9	4741.0	4583.4	4345.4	4107.2	3783.4	3459.8	3193.3	2926.9	2753.7	2802.5
27.5°	4998.9	4848.6	4698.0	4424.4	4150.6	3756.1	3361.6	3064.0	2766.5	2608.8	2668.1
30°	5134.0	4988.6	4843.2	4526.7	4210.2	3743.4	3276.3	2956.0	2635.8	2503.5	2549.9
32.5°	5293.4	5149.4	5005.6	4633.5	4261.5	3727.5	3193.3	2862.9	2532.4	2425.7	2446.4
35°	5487.0	5349.2	5211.3	4755.3	4299.3	3697.8	3096.6	2771.4	2446.2	2357.2	2348.7
37.5°	5813.0	5637.3	5461.6	4891.6	4321.6	3646.8	2972.0	2663.6	2355.2	2277.5	2246.2
40°	6305.7	6049.5	5793.5	5064.7	4335.8	3576.6	2817.6	2535.0	2252.5	2182.0	2133.9
42.5°	6959.0	6589.4	6219.8	5291.2	4362.5	3504.2	2646.0	2393.2	2140.3	2075.3	2014.7
45°	7765.8	7267.2	6768.7	5589.1	4409.4	3436.8	2464.3	2242.5	2020.7	1954.8	1896.1
47.5°	8774.8	8073.1	7371.3	5906.6	4441.7	3381.3	2320.7	2123.3	1925.8	1840.9	1790.4
50°	10097.4	9039.5	7981.5	6201.0	4420.7	3320.7	2220.7	2044.1	1867.5	1755.9	1697.3
52.5°	11615.5	10054.5	8493.7	6392.3	4291.0	3218.3	2145.8	1992.0	1838.2	1709.8	1627.9
55°	13231.7	10954.5	8677.3	6350.2	4022.9	3048.7	2074.4	1954.2	1833.8	1714.4	1591.0
57.5°	14701.8	11592.3	8482.8	6053.5	3624.4	2809.4	1994.3	1909.4	1824.4	1719.0	1568.9
60°	15590.2	11751.7	7913.0	5501.5	3090.0	2498.8	1907.6	1840.9	1774.1	1704.5	1548.1
62.5°	15139.1	11080.6	7022.0	4755.0	2488.0	2127.1	1766.2	1721.8	1677.5	1668.9	1523.8
65°	14236.1	10131.0	6025.8	3993.4	1961.1	1792.6	1624.2	1603.2	1582.3	1583.3	1472.7
67.5°	13026.2	9000.9	4975.6	3247.3	1519.0	1471.3	1423.3	1435.0	1446.6	1443.7	1381.5
70°	11572.7	7767.9	3963.0	2556.8	1150.7	1164.3	1177.9	1232.2	1286.3	1286.3	1265.9
72.5°	9840.5	6431.1	3021.8	1954.7	887.5	928.8	970.2	1047.0	1123.9	1136.8	1137.0
75°	7649.3	4898.7	2148.2	1418.7	689.2	726.6	764.0	850.1	936.3	995.9	990.9
77.5°	5465.3	3428.6	1392.1	961.3	530.5	556.0	581.6	665.2	748.9	847.0	844.4
80°	3576.9	2209.0	841.0	619.4	397.8	408.4	418.9	489.7	560.5	677.7	677.3
82.5°	2079.3	1278.5	477.9	381.0	284.2	286.1	288.2	340.4	392.6	492.6	498.2
85°	914.8	575.1	235.5	203.7	171.9	171.0	169.9	208.1	246.3	320.7	328.0
87.5°	283.2	188.4	93.5	84.5	75.3	74.4	73.5	89.1	104.8	135.7	144.9
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3371.6	3346.4	3323.7	3301.0	3281.1	3261.2	3241.3	3221.4	3205.9	3190.4	3177.9
5°	3319.2	3271.4	3231.3	3191.4	3156.1	3120.8	3088.8	3056.7	3032.1	3007.2	2990.0
7.5°	3292.6	3229.3	3176.6	3123.9	3079.5	3034.9	2995.7	2956.6	2927.2	2898.0	2877.4
10°	3294.5	3227.5	3174.8	3122.1	3074.3	3026.4	2982.2	2938.2	2903.1	2868.0	2845.0
12.5°	3313.1	3258.6	3223.5	3188.8	3151.2	3113.7	3068.0	3022.4	2977.6	2932.8	2903.2
15°	3313.6	3287.6	3292.3	3297.1	3287.3	3277.5	3238.0	3198.3	3134.6	3070.8	3025.7
17.5°	3263.9	3273.3	3330.8	3388.2	3418.8	3449.2	3417.2	3385.4	3300.9	3216.4	3150.0
20°	3159.5	3204.3	3303.9	3403.7	3467.7	3531.5	3516.8	3501.9	3405.4	3308.9	3227.5
22.5°	3022.4	3088.6	3202.5	3316.6	3399.7	3482.8	3491.8	3500.6	3408.3	3316.2	3232.4
25°	2878.8	2955.3	3057.6	3160.1	3241.9	3323.7	3354.2	3384.7	3309.0	3233.6	3159.0
27.5°	2741.9	2815.6	2899.8	2983.9	3049.5	3115.1	3149.0	3183.1	3129.2	3075.5	3017.7
30°	2608.4	2667.2	2737.0	2806.8	2861.2	2915.7	2943.4	2971.1	2930.1	2889.0	2847.7
32.5°	2481.0	2515.7	2571.4	2627.3	2679.5	2731.7	2762.4	2793.2	2755.5	2717.8	2684.7
35°	2358.1	2367.8	2410.3	2452.7	2504.4	2556.1	2593.0	2629.8	2603.0	2576.2	2545.7
37.5°	2235.6	2225.1	2255.6	2286.1	2337.6	2389.3	2434.8	2480.4	2468.0	2455.6	2427.5
40°	2110.1	2086.3	2108.2	2130.3	2180.1	2229.9	2282.3	2334.8	2337.8	2340.8	2316.9
42.5°	1983.1	1951.5	1969.4	1987.5	2034.6	2081.9	2138.6	2195.2	2210.3	2225.5	2205.3
45°	1865.4	1834.6	1849.7	1865.0	1909.8	1954.6	2013.3	2072.0	2093.8	2115.5	2097.4
47.5°	1764.5	1738.8	1753.0	1767.1	1811.0	1854.6	1912.6	1970.6	1995.7	2020.7	2008.0
50°	1674.3	1651.6	1673.7	1696.0	1737.3	1778.6	1830.4	1882.3	1914.5	1946.7	1945.9
52.5°	1605.1	1582.7	1616.0	1649.2	1687.2	1725.0	1773.2	1821.7	1859.9	1897.9	1904.8
55°	1555.1	1519.5	1566.7	1613.9	1654.8	1695.6	1738.0	1780.2	1820.6	1861.0	1870.5
57.5°	1516.7	1464.5	1515.4	1566.2	1614.2	1662.1	1704.0	1746.0	1786.7	1827.3	1836.9
60°	1480.4	1412.8	1457.4	1501.9	1557.0	1612.0	1654.6	1697.3	1738.1	1779.0	1789.4
62.5°	1439.2	1354.7	1383.1	1411.4	1475.6	1539.9	1585.3	1630.8	1668.2	1705.6	1715.7
65°	1382.8	1292.8	1303.8	1314.6	1383.3	1452.2	1495.8	1539.2	1572.1	1605.0	1615.5
67.5°	1306.7	1231.8	1228.5	1225.1	1288.5	1352.2	1393.4	1434.5	1463.0	1491.4	1501.5
70°	1212.7	1159.5	1147.6	1135.7	1191.6	1247.4	1283.0	1318.6	1344.3	1369.9	1379.6
72.5°	1100.5	1064.1	1046.7	1029.4	1073.4	1117.2	1149.4	1181.6	1206.7	1231.8	1243.5
75°	962.8	934.6	918.0	901.3	933.9	966.6	995.7	1024.8	1047.8	1070.6	1082.8
77.5°	821.8	799.3	782.5	765.6	792.2	818.7	843.7	868.7	892.9	916.8	928.1
80°	658.5	639.5	625.5	611.2	633.3	655.3	676.4	697.5	715.8	734.0	749.0
82.5°	488.9	479.7	469.8	459.7	457.9	456.0	448.6	441.3	480.3	519.3	544.8
85°	318.2	308.2	297.0	285.9	276.3	266.7	246.3	225.9	262.4	299.0	330.7
87.5°	140.9	137.0	134.9	132.7	132.4	132.0	116.4	100.8	116.0	131.5	144.2
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3165.3	3155.6	3145.8	3136.9	3127.8	3116.6	3127.8	3136.9	3145.8	3155.6	3165.3
5°	2972.8	2960.5	2948.3	2938.9	2929.6	2920.3	2929.6	2938.9	2948.3	2960.5	2972.8
7.5°	2856.9	2842.7	2828.8	2820.4	2812.1	2805.7	2812.1	2820.4	2828.8	2842.7	2856.9
10°	2821.8	2808.5	2795.2	2788.1	2780.9	2778.1	2780.9	2788.1	2795.2	2808.5	2821.8
12.5°	2873.6	2858.7	2844.0	2837.9	2831.9	2830.7	2831.9	2837.9	2844.0	2858.7	2873.6
15°	2980.7	2960.0	2939.4	2931.5	2923.6	2923.0	2923.6	2931.5	2939.4	2960.0	2980.7
17.5°	3083.7	3053.2	3022.4	3012.4	3002.2	3000.7	3002.2	3012.4	3022.4	3053.2	3083.7
20°	3146.2	3107.1	3067.8	3055.3	3042.8	3038.9	3042.8	3055.3	3067.8	3107.1	3146.2
22.5°	3148.5	3107.3	3065.9	3052.0	3038.2	3032.3	3038.2	3052.0	3065.9	3107.3	3148.5
25°	3084.7	3048.9	3013.2	3000.2	2987.3	2979.6	2987.3	3000.2	3013.2	3048.9	3084.7
27.5°	2959.9	2935.9	2911.8	2905.9	2899.9	2898.0	2899.9	2905.9	2911.8	2935.9	2959.9
30°	2806.0	2793.7	2781.3	2781.3	2781.3	2783.4	2781.3	2781.3	2781.3	2793.7	2806.0
32.5°	2651.6	2643.6	2635.6	2636.6	2637.8	2639.8	2637.8	2636.6	2635.6	2643.6	2651.6
35°	2515.2	2503.0	2491.0	2488.3	2485.6	2484.3	2485.6	2488.3	2491.0	2503.0	2515.2
37.5°	2399.3	2377.1	2354.9	2343.3	2331.6	2324.9	2331.6	2343.3	2354.9	2377.1	2399.3
40°	2293.0	2260.6	2228.6	2206.6	2185.1	2172.2	2185.1	2206.6	2228.6	2260.6	2293.0
42.5°	2185.3	2145.1	2104.9	2073.3	2041.5	2020.7	2041.5	2073.3	2104.9	2145.1	2185.3
45°	2079.3	2033.3	1987.5	1950.2	1913.0	1889.0	1913.0	1950.2	1987.5	2033.3	2079.3
47.5°	1995.4	1954.6	1913.7	1879.2	1844.8	1821.7	1844.8	1879.2	1913.7	1954.6	1995.4
50°	1945.3	1912.6	1880.0	1848.1	1816.2	1794.1	1816.2	1848.1	1880.0	1912.6	1945.3
52.5°	1911.6	1885.0	1858.3	1829.8	1801.3	1780.9	1801.3	1829.8	1858.3	1885.0	1911.6
55°	1880.0	1856.8	1833.6	1808.6	1783.6	1765.2	1783.6	1808.6	1833.6	1856.8	1880.0
57.5°	1846.5	1823.1	1799.6	1774.9	1750.0	1730.8	1750.0	1774.9	1799.6	1823.1	1846.5
60°	1800.0	1777.1	1754.3	1728.8	1703.2	1683.5	1703.2	1728.8	1754.3	1777.1	1800.0
62.5°	1725.9	1705.2	1684.5	1657.6	1630.8	1607.0	1630.8	1657.6	1684.5	1705.2	1725.9
65°	1625.8	1605.9	1586.0	1559.8	1533.9	1513.5	1533.9	1559.8	1586.0	1605.9	1625.8
67.5°	1511.6	1493.2	1475.1	1450.8	1426.6	1408.1	1426.6	1450.8	1475.1	1493.2	1511.6
70°	1389.4	1374.5	1359.7	1336.5	1313.3	1292.2	1313.3	1336.5	1359.7	1374.5	1389.4
72.5°	1255.1	1242.7	1230.3	1208.2	1186.2	1165.7	1186.2	1208.2	1230.3	1242.7	1255.1
75°	1094.9	1088.9	1082.8	1064.2	1045.6	1026.1	1045.6	1064.2	1082.8	1088.9	1094.9
77.5°	939.4	931.0	922.3	903.6	884.9	869.4	884.9	903.6	922.3	931.0	939.4
80°	764.0	760.3	756.8	731.6	706.3	677.1	706.3	731.6	756.8	760.3	764.0
82.5°	570.4	568.8	567.0	545.9	524.5	505.8	524.5	545.9	567.0	568.8	570.4
85°	362.2	359.6	357.0	340.4	323.8	306.9	323.8	340.4	357.0	359.6	362.2
87.5°	157.0	153.9	150.5	142.0	133.4	125.2	133.4	142.0	150.5	153.9	157.0
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3177.9	3190.4	3205.9	3221.4	3241.3	3261.2	3281.1	3301.0	3323.7	3346.4	3371.6
5°	2990.0	3007.2	3032.1	3056.7	3088.8	3120.8	3156.1	3191.4	3231.3	3271.4	3319.2
7.5°	2877.4	2898.0	2927.2	2956.6	2995.7	3034.9	3079.5	3123.9	3176.6	3229.3	3292.6
10°	2845.0	2868.0	2903.1	2938.2	2982.2	3026.4	3074.3	3122.1	3174.8	3227.5	3294.5
12.5°	2903.2	2932.8	2977.6	3022.4	3068.0	3113.7	3151.2	3188.8	3223.5	3258.6	3313.1
15°	3025.7	3070.8	3134.6	3198.3	3238.0	3277.5	3287.3	3297.1	3292.3	3287.6	3313.6
17.5°	3150.0	3216.4	3300.9	3385.4	3417.2	3449.2	3418.8	3388.2	3330.8	3273.3	3263.9
20°	3227.5	3308.9	3405.4	3501.9	3516.8	3531.5	3467.7	3403.7	3303.9	3204.3	3159.5
22.5°	3232.4	3316.2	3408.3	3500.6	3491.8	3482.8	3399.7	3316.6	3202.5	3088.6	3022.4
25°	3159.0	3233.6	3309.0	3384.7	3354.2	3323.7	3241.9	3160.1	3057.6	2955.3	2878.8
27.5°	3017.7	3075.5	3129.2	3183.1	3149.0	3115.1	3049.5	2983.9	2899.8	2815.6	2741.9
30°	2847.7	2889.0	2930.1	2971.1	2943.4	2915.7	2861.2	2806.8	2737.0	2667.2	2608.4
32.5°	2684.7	2717.8	2755.5	2793.2	2762.4	2731.7	2679.5	2627.3	2571.4	2515.7	2481.0
35°	2545.7	2576.2	2603.0	2629.8	2593.0	2556.1	2504.4	2452.7	2410.3	2367.8	2358.1
37.5°	2427.5	2455.6	2468.0	2480.4	2434.8	2389.3	2337.6	2286.1	2255.6	2225.1	2235.6
40°	2316.9	2340.8	2337.8	2334.8	2282.3	2229.9	2180.1	2130.3	2108.2	2086.3	2110.1
42.5°	2205.3	2225.5	2210.3	2195.2	2138.6	2081.9	2034.6	1987.5	1969.4	1951.5	1983.1
45°	2097.4	2115.5	2093.8	2072.0	2013.3	1954.6	1909.8	1865.0	1849.7	1834.6	1865.4
47.5°	2008.0	2020.7	1995.7	1970.6	1912.6	1854.6	1811.0	1767.1	1753.0	1738.8	1764.5
50°	1945.9	1946.7	1914.5	1882.3	1830.4	1778.6	1737.3	1696.0	1673.7	1651.6	1674.3
52.5°	1904.8	1897.9	1859.9	1821.7	1773.2	1725.0	1687.2	1649.2	1616.0	1582.7	1605.1
55°	1870.5	1861.0	1820.6	1780.2	1738.0	1695.6	1654.8	1613.9	1566.7	1519.5	1555.1
57.5°	1836.9	1827.3	1786.7	1746.0	1704.0	1662.1	1614.2	1566.2	1515.4	1464.5	1516.7
60°	1789.4	1779.0	1738.1	1697.3	1654.6	1612.0	1557.0	1501.9	1457.4	1412.8	1480.4
62.5°	1715.7	1705.6	1668.2	1630.8	1585.3	1539.9	1475.6	1411.4	1383.1	1354.7	1439.2
65°	1615.5	1605.0	1572.1	1539.2	1495.8	1452.2	1383.3	1314.6	1303.8	1292.8	1382.8
67.5°	1501.5	1491.4	1463.0	1434.5	1393.4	1352.2	1288.5	1225.1	1228.5	1231.8	1306.7
70°	1379.6	1369.9	1344.3	1318.6	1283.0	1247.4	1191.6	1135.7	1147.6	1159.5	1212.7
72.5°	1243.5	1231.8	1206.7	1181.6	1149.4	1117.2	1073.4	1029.4	1046.7	1064.1	1100.5
75°	1082.8	1070.6	1047.8	1024.8	995.7	966.6	933.9	901.3	918.0	934.6	962.8
77.5°	928.1	916.8	892.9	868.7	843.7	818.7	792.2	765.6	782.5	799.3	821.8
80°	749.0	734.0	715.8	697.5	676.4	655.3	633.3	611.2	625.5	639.5	658.5
82.5°	544.8	519.3	480.3	441.3	448.6	456.0	457.9	459.7	469.8	479.7	488.9
85°	330.7	299.0	262.4	225.9	246.3	266.7	276.3	285.9	297.0	308.2	318.2
87.5°	144.2	131.5	116.0	100.8	116.4	132.0	132.4	132.7	134.9	137.0	140.9
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3397.0	3428.1	3456.2	3485.2	3514.1	3544.4	3574.8	3604.8	3635.0	3663.2	3691.5
5°	3366.9	3421.6	3476.9	3535.5	3594.1	3656.8	3719.6	3781.9	3844.4	3907.0	3969.5
7.5°	3356.1	3426.8	3502.3	3584.1	3665.9	3758.8	3851.6	3947.0	4042.4	4145.5	4248.8
10°	3361.4	3437.3	3530.5	3627.5	3724.1	3837.0	3949.7	4075.7	4201.8	4332.3	4462.8
12.5°	3367.9	3438.7	3536.6	3646.0	3755.5	3888.5	4021.6	4164.4	4307.2	4450.4	4593.9
15°	3339.9	3396.5	3504.9	3631.7	3758.4	3911.6	4064.7	4219.7	4374.6	4524.0	4673.6
17.5°	3254.3	3289.1	3416.6	3569.0	3721.5	3899.3	4077.1	4246.2	4415.2	4566.8	4718.4
20°	3114.7	3123.9	3272.3	3461.2	3650.1	3865.6	4081.1	4266.9	4452.6	4610.2	4767.8
22.5°	2956.2	2938.2	3107.1	3334.6	3562.1	3824.3	4086.4	4294.8	4503.0	4664.2	4825.1
25°	2802.5	2753.7	2926.9	3193.3	3459.8	3783.4	4107.2	4345.4	4583.4	4741.0	4898.9
27.5°	2668.1	2608.8	2766.5	3064.0	3361.6	3756.1	4150.6	4424.4	4698.0	4848.6	4998.9
30°	2549.9	2503.5	2635.8	2956.0	3276.3	3743.4	4210.2	4526.7	4843.2	4988.6	5134.0
32.5°	2446.4	2425.7	2532.4	2862.9	3193.3	3727.5	4261.5	4633.5	5005.6	5149.4	5293.4
35°	2348.7	2357.2	2446.2	2771.4	3096.6	3697.8	4299.3	4755.3	5211.3	5349.2	5487.0
37.5°	2246.2	2277.5	2355.2	2663.6	2972.0	3646.8	4321.6	4891.6	5461.6	5637.3	5813.0
40°	2133.9	2182.0	2252.5	2535.0	2817.6	3576.6	4335.8	5064.7	5793.5	6049.5	6305.7
42.5°	2014.7	2075.3	2140.3	2393.2	2646.0	3504.2	4362.5	5291.2	6219.8	6589.4	6959.0
45°	1896.1	1954.8	2020.7	2242.5	2464.3	3436.8	4409.4	5589.1	6768.7	7267.2	7765.8
47.5°	1790.4	1840.9	1925.8	2123.3	2320.7	3381.3	4441.7	5906.6	7371.3	8073.1	8774.8
50°	1697.3	1755.9	1867.5	2044.1	2220.7	3320.7	4420.7	6201.0	7981.5	9039.5	10097.4
52.5°	1627.9	1709.8	1838.2	1992.0	2145.8	3218.3	4291.0	6392.3	8493.7	10054.5	11615.5
55°	1591.0	1714.4	1833.8	1954.2	2074.4	3048.7	4022.9	6350.2	8677.3	10954.5	13231.7
57.5°	1568.9	1719.0	1824.4	1909.4	1994.3	2809.4	3624.4	6053.5	8482.8	11592.3	14701.8
60°	1548.1	1704.5	1774.1	1840.9	1907.6	2498.8	3090.0	5501.5	7913.0	11751.7	15590.2
62.5°	1523.8	1668.9	1677.5	1721.8	1766.2	2127.1	2488.0	4755.0	7022.0	11080.6	15139.1
65°	1472.7	1583.3	1582.3	1603.2	1624.2	1792.6	1961.1	3993.4	6025.8	10131.0	14236.1
67.5°	1381.5	1443.7	1446.6	1435.0	1423.3	1471.3	1519.0	3247.3	4975.6	9000.9	13026.2
70°	1265.9	1286.3	1286.3	1232.2	1177.9	1164.3	1150.7	2556.8	3963.0	7767.9	11572.7
72.5°	1137.0	1136.8	1123.9	1047.0	970.2	928.8	887.5	1954.7	3021.8	6431.1	9840.5
75°	990.9	995.9	936.3	850.1	764.0	726.6	689.2	1418.7	2148.2	4898.7	7649.3
77.5°	844.4	847.0	748.9	665.2	581.6	556.0	530.5	961.3	1392.1	3428.6	5465.3
80°	677.3	677.7	560.5	489.7	418.9	408.4	397.8	619.4	841.0	2209.0	3576.9
82.5°	498.2	492.6	392.6	340.4	288.2	286.1	284.2	381.0	477.9	1278.5	2079.3
85°	328.0	320.7	246.3	208.1	169.9	171.0	171.9	203.7	235.5	575.1	914.8
87.5°	144.9	135.7	104.8	89.1	73.5	74.4	75.3	84.5	93.5	188.4	283.2
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3705.6	3719.6	3739.5	3759.4	3771.3	3783.2	3789.0	3795.0	3792.4	3795.0	3789.0
5°	4018.4	4067.4	4115.9	4164.5	4190.8	4217.2	4233.1	4249.1	4261.3	4249.1	4233.1
7.5°	4328.4	4407.8	4479.2	4550.8	4593.9	4637.0	4660.3	4683.4	4694.7	4683.4	4660.3
10°	4556.8	4650.9	4734.9	4818.7	4869.6	4920.2	4942.9	4965.4	4973.9	4965.4	4942.9
12.5°	4695.8	4797.7	4873.6	4949.2	4986.0	5022.9	5035.3	5047.7	5049.0	5047.7	5035.3
15°	4761.6	4849.5	4897.0	4944.7	4946.0	4947.4	4934.1	4921.0	4905.4	4921.0	4934.1
17.5°	4777.8	4837.2	4838.1	4838.9	4785.5	4732.2	4683.3	4634.3	4599.8	4634.3	4683.3
20°	4788.5	4809.3	4746.7	4684.1	4566.4	4448.6	4362.8	4277.1	4224.4	4277.1	4362.8
22.5°	4797.9	4770.8	4641.2	4511.5	4338.3	4165.1	4057.9	3950.7	3892.4	3950.7	4057.9
25°	4813.2	4727.6	4530.8	4334.0	4123.7	3913.2	3800.5	3688.1	3633.0	3688.1	3800.5
27.5°	4845.9	4692.7	4432.0	4171.4	3938.4	3705.2	3594.3	3483.5	3431.4	3483.5	3594.3
30°	4905.6	4677.6	4356.7	4035.8	3792.9	3550.0	3447.1	3344.3	3295.8	3344.3	3447.1
32.5°	4980.8	4668.4	4305.3	3942.3	3714.0	3485.7	3404.9	3324.1	3289.1	3324.1	3404.9
35°	5104.5	4722.1	4343.7	3965.6	3807.0	3648.5	3629.6	3610.9	3607.9	3610.9	3629.6
37.5°	5363.0	4913.0	4569.2	4225.5	4215.2	4205.0	4291.1	4377.3	4422.0	4377.3	4291.1
40°	5816.3	5326.9	5071.3	4815.6	4996.1	5176.6	5386.0	5595.4	5699.7	5595.4	5386.0
42.5°	6473.5	5987.9	5840.7	5693.4	6087.0	6480.6	6861.6	7242.4	7466.2	7242.4	6861.6
45°	7329.7	6893.4	6828.4	6763.4	7393.9	8024.6	8650.6	9276.8	9656.7	9276.8	8650.6
47.5°	8350.6	7926.1	7913.0	7899.8	8809.5	9718.9	10635.3	11551.6	12089.7	11551.6	10635.3
50°	9573.2	9049.2	9051.5	9053.7	10226.0	11398.4	12608.0	13817.6	14549.0	13817.6	12608.0
52.5°	10980.8	10346.3	10282.2	10217.9	11618.3	13018.6	14515.2	16011.8	16888.4	16011.8	14515.2
55°	12604.7	11977.7	11727.6	11477.4	13036.1	14594.5	16378.7	18162.9	19205.4	18162.9	16378.7
57.5°	14360.4	14018.8	13517.1	13015.4	14589.1	16162.9	18183.8	20204.6	21497.5	20204.6	18183.8
60°	16120.6	16651.0	16028.0	15404.9	16894.3	18383.5	20547.3	22710.9	24108.3	22710.9	20547.3
62.5°	16588.2	18037.3	17967.1	17896.8	19261.1	20625.5	22684.1	24742.5	26034.1	24742.5	22684.1
65°	15596.2	16956.3	17225.4	17494.4	19228.2	20962.1	22958.2	24954.2	26053.9	24954.2	22958.2
67.5°	14319.8	15613.3	15739.5	15865.6	17672.0	19478.4	21483.1	23487.9	24349.3	23487.9	21483.1
70°	12979.7	14386.7	14443.1	14499.6	16115.0	17730.4	19455.6	21180.7	21659.5	21180.7	19455.6
72.5°	11455.1	13069.8	13110.3	13150.7	14414.7	15678.5	16970.6	18262.6	18311.1	18262.6	16970.6
75°	9320.3	10991.4	11141.4	11291.4	12274.8	13258.1	14167.7	15077.2	14833.5	15077.2	14167.7
77.5°	7025.1	8585.2	8799.8	9014.6	9762.1	10509.6	11154.8	11799.9	11381.0	11799.9	11154.8
80°	4889.4	6201.6	6468.5	6735.4	7299.9	7864.2	8203.1	8541.7	7867.9	8541.7	8203.1
82.5°	2976.5	3873.8	4171.9	4470.1	4858.7	5247.3	5388.6	5529.8	5000.3	5529.8	5388.6
85°	1391.0	1867.2	2120.7	2374.3	2693.6	3012.8	3093.0	3173.3	2749.0	3173.3	3093.0
87.5°	443.2	603.3	744.8	886.2	1045.9	1205.5	1212.4	1219.1	1023.5	1219.1	1212.4
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: P969990

CATALOG NUMBER: NAV-SB6A-830-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7	3432.7
2.5°	3783.2	3771.3	3759.4	3739.5	3719.6	3705.6	3691.5
5°	4217.2	4190.8	4164.5	4115.9	4067.4	4018.4	3969.5
7.5°	4637.0	4593.9	4550.8	4479.2	4407.8	4328.4	4248.8
10°	4920.2	4869.6	4818.7	4734.9	4650.9	4556.8	4462.8
12.5°	5022.9	4986.0	4949.2	4873.6	4797.7	4695.8	4593.9
15°	4947.4	4946.0	4944.7	4897.0	4849.5	4761.6	4673.6
17.5°	4732.2	4785.5	4838.9	4838.1	4837.2	4777.8	4718.4
20°	4448.6	4566.4	4684.1	4746.7	4809.3	4788.5	4767.8
22.5°	4165.1	4338.3	4511.5	4641.2	4770.8	4797.9	4825.1
25°	3913.2	4123.7	4334.0	4530.8	4727.6	4813.2	4898.9
27.5°	3705.2	3938.4	4171.4	4432.0	4692.7	4845.9	4998.9
30°	3550.0	3792.9	4035.8	4356.7	4677.6	4905.6	5134.0
32.5°	3485.7	3714.0	3942.3	4305.3	4668.4	4980.8	5293.4
35°	3648.5	3807.0	3965.6	4343.7	4722.1	5104.5	5487.0
37.5°	4205.0	4215.2	4225.5	4569.2	4913.0	5363.0	5813.0
40°	5176.6	4996.1	4815.6	5071.3	5326.9	5816.3	6305.7
42.5°	6480.6	6087.0	5693.4	5840.7	5987.9	6473.5	6959.0
45°	8024.6	7393.9	6763.4	6828.4	6893.4	7329.7	7765.8
47.5°	9718.9	8809.5	7899.8	7913.0	7926.1	8350.6	8774.8
50°	11398.4	10226.0	9053.7	9051.5	9049.2	9573.2	10097.4
52.5°	13018.6	11618.3	10217.9	10282.2	10346.3	10980.8	11615.5
55°	14594.5	13036.1	11477.4	11727.6	11977.7	12604.7	13231.7
57.5°	16162.9	14589.1	13015.4	13517.1	14018.8	14360.4	14701.8
60°	18383.5	16894.3	15404.9	16028.0	16651.0	16120.6	15590.2
62.5°	20625.5	19261.1	17896.8	17967.1	18037.3	16588.2	15139.1
65°	20962.1	19228.2	17494.4	17225.4	16956.3	15596.2	14236.1
67.5°	19478.4	17672.0	15865.6	15739.5	15613.3	14319.8	13026.2
70°	17730.4	16115.0	14499.6	14443.1	14386.7	12979.7	11572.7
72.5°	15678.5	14414.7	13150.7	13110.3	13069.8	11455.1	9840.5
75°	13258.1	12274.8	11291.4	11141.4	10991.4	9320.3	7649.3
77.5°	10509.6	9762.1	9014.6	8799.8	8585.2	7025.1	5465.3
80°	7864.2	7299.9	6735.4	6468.5	6201.6	4889.4	3576.9
82.5°	5247.3	4858.7	4470.1	4171.9	3873.8	2976.5	2079.3
85°	3012.8	2693.6	2374.3	2120.7	1867.2	1391.0	914.8
87.5°	1205.5	1045.9	886.2	744.8	603.3	443.2	283.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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