

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: P966580

Luminaire Tested: **NAV-SB4C-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P966580
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-SB4C-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(4) 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: 25323.6 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

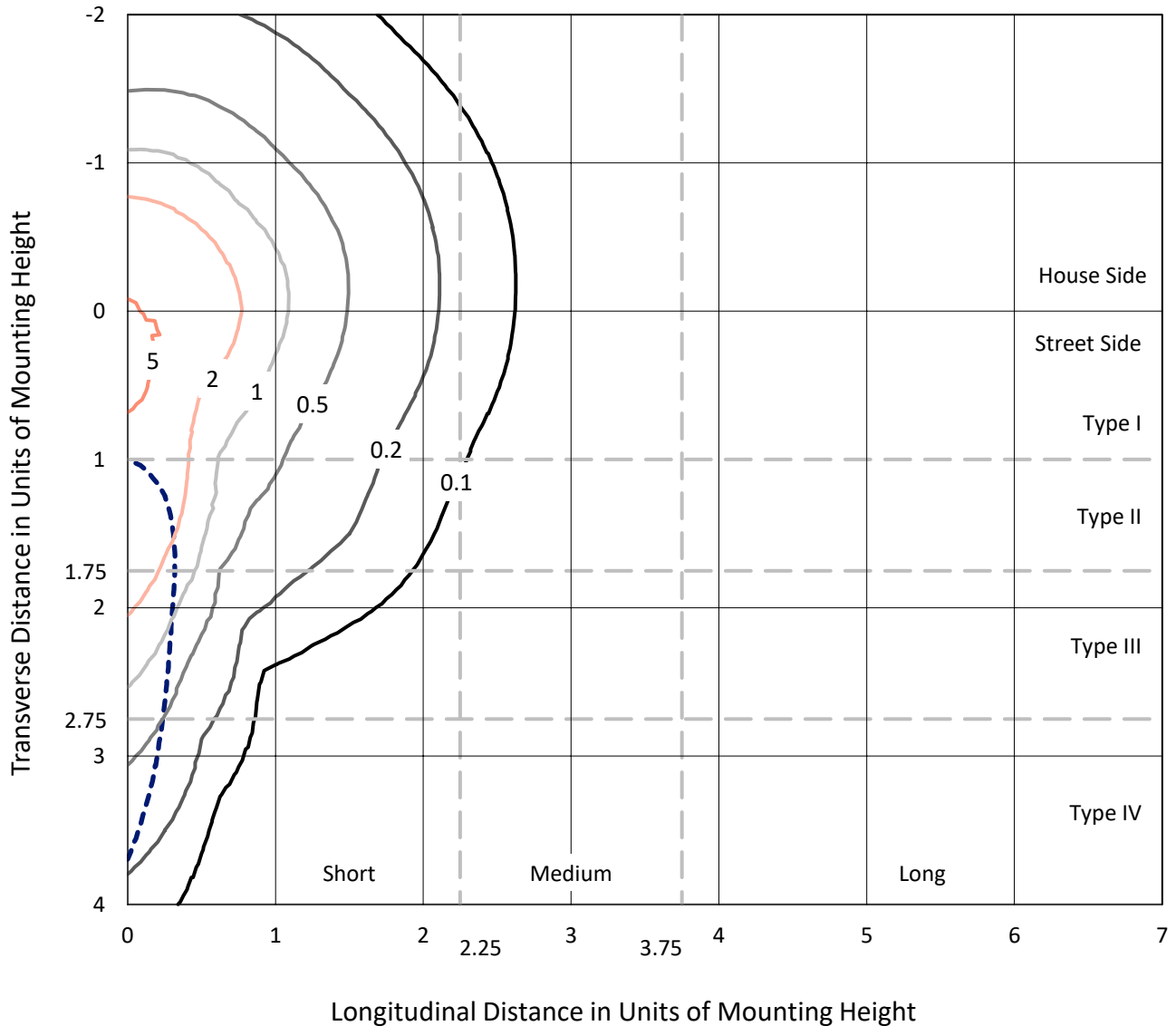
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

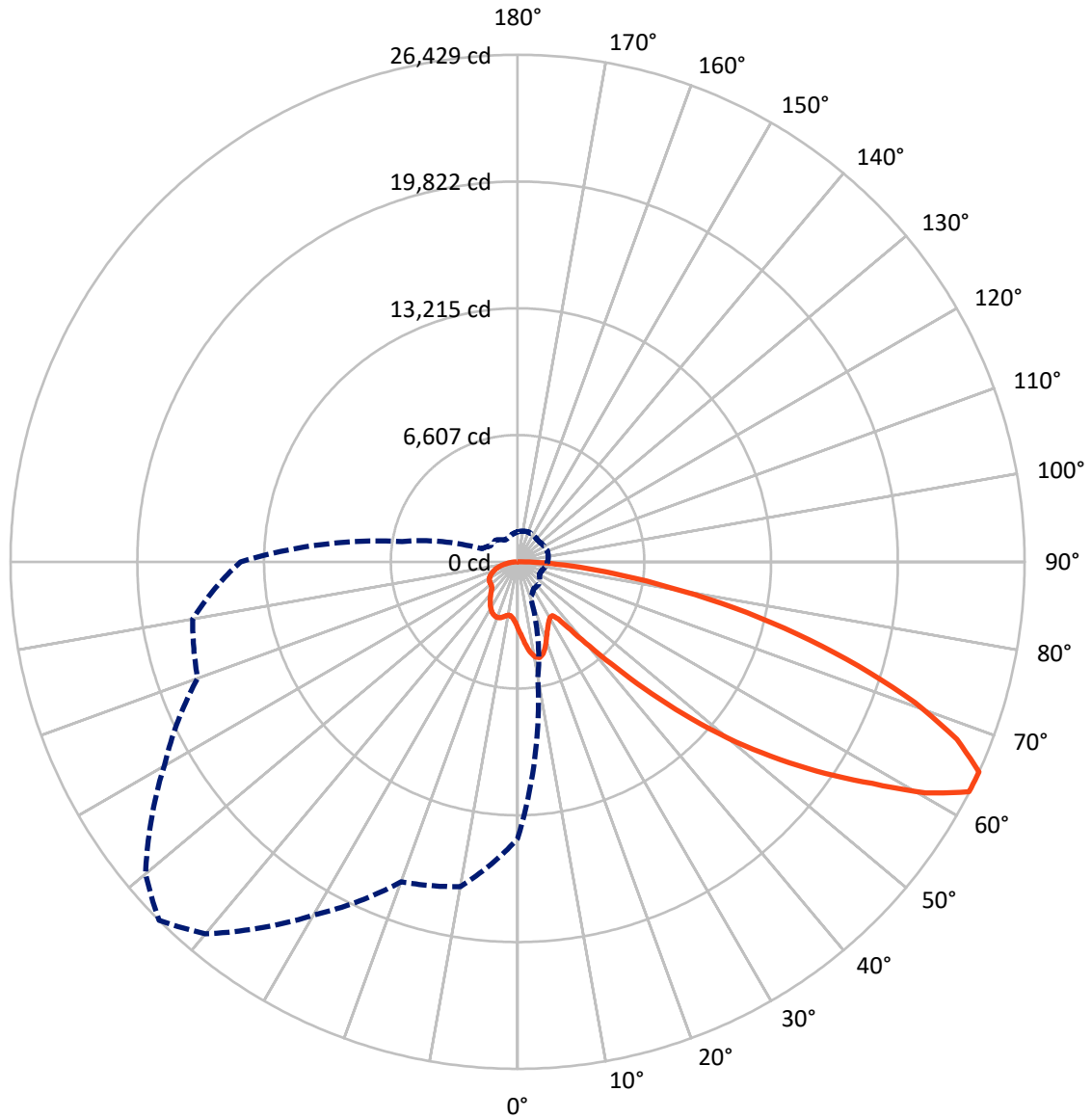
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type IV - Short - N/A

REPORT NUMBER: P966580
CATALOG NUMBER: NAV-SB4C-722-U-SLR

Luminous Intensity Polar Plot



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

REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

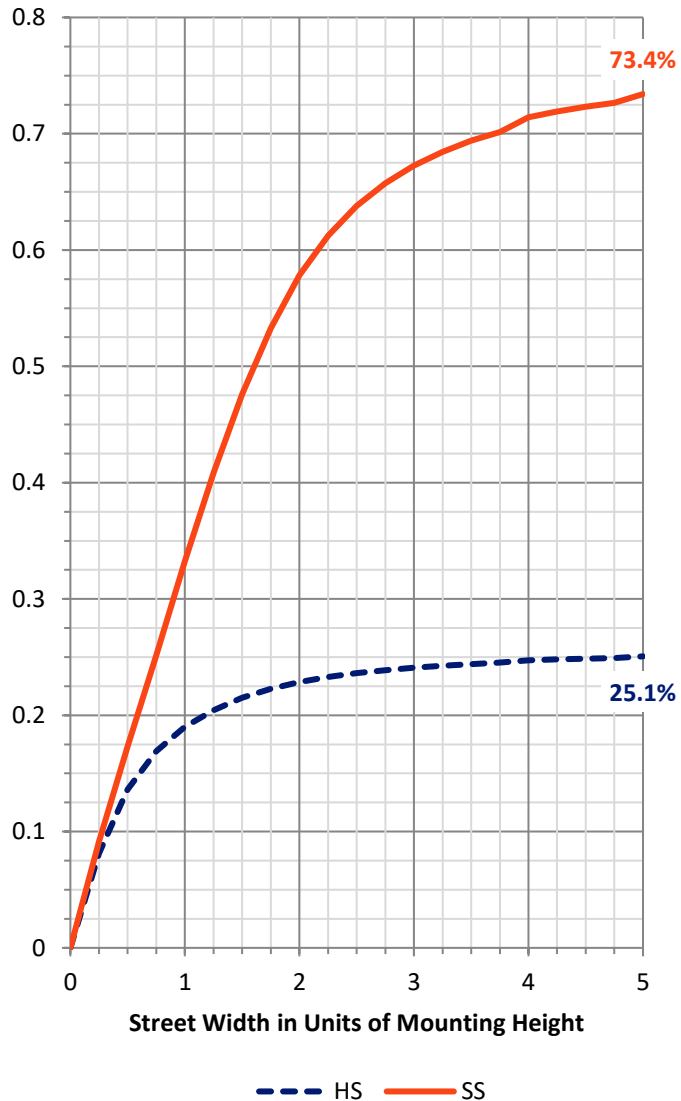
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6436.0	0.0	6436.0
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	18887.6	0.0	18887.6
	% Fixture	74.6	0.0	74.6
Total	Lumens	25323.6	0.0	25323.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.4	1.4
10°-20°	1084.4	4.3
20°-30°	1675.0	6.6
30°-40°	2122.6	8.4
40°-50°	3201.5	12.6
50°-60°	5172.5	20.4
60°-70°	6448.3	25.5
70°-80°	4228.5	16.7
80°-90°	1045.4	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°	25323.6	100.0
0°-180°	25323.6	100.0

Coefficient of Utilization

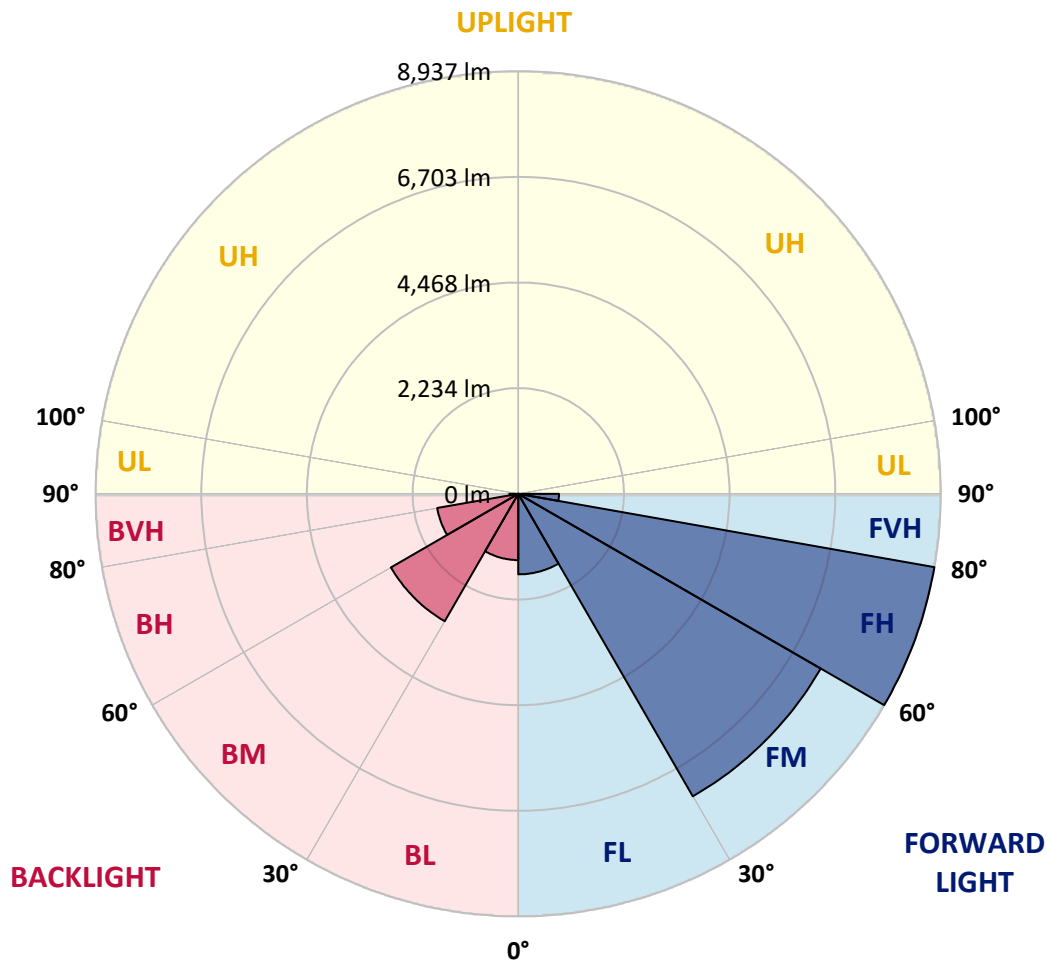


REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.3	6.7			
FM (30°-60°)	7386.4	29.2			
FH (60°-80°)	8936.8	35.3			G4/12000
FVH (80°-90°)	861.2	3.4			G5
BL (0°-30°)	1401.5	5.5	B3/2500		
BM (30°-60°)	3110.3	12.3	B3/5000		
BH (60°-80°)	1740.0	6.9	B3/2500		G3/2500
BVH (80°-90°)	184.2	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-G5
 Type IV Short



REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3744.8	3716.0	3687.3	3656.7	3626.2	3595.5	3564.8	3535.4	3506.0	3477.5	3445.8
5°	4026.7	3963.3	3899.8	3836.5	3773.2	3709.5	3645.9	3586.5	3527.0	3470.9	3415.4
7.5°	4310.0	4205.3	4100.6	4003.9	3907.1	3812.9	3718.7	3635.8	3552.8	3476.2	3404.4
10°	4527.1	4394.7	4262.4	4134.4	4006.7	3892.3	3777.8	3679.7	3581.4	3486.9	3409.8
12.5°	4660.1	4514.6	4369.2	4224.3	4079.5	3944.5	3809.6	3698.5	3587.5	3488.3	3416.4
15°	4740.9	4589.3	4437.6	4280.5	4123.4	3968.0	3812.5	3684.0	3555.4	3445.4	3388.0
17.5°	4786.3	4632.6	4478.7	4307.4	4135.9	3955.5	3775.1	3620.5	3465.9	3336.6	3301.1
20°	4836.5	4676.7	4516.8	4328.4	4139.9	3921.3	3702.7	3511.0	3319.5	3168.9	3159.6
22.5°	4894.6	4731.3	4567.9	4356.7	4145.3	3879.3	3613.4	3382.7	3151.9	2980.5	2998.7
25°	4969.4	4809.4	4649.4	4408.0	4166.4	3837.9	3509.6	3239.3	2969.1	2793.4	2842.8
27.5°	5071.0	4918.4	4765.6	4488.2	4210.5	3810.2	3410.1	3108.2	2806.3	2646.4	2706.5
30°	5207.9	5060.4	4913.0	4592.0	4270.9	3797.3	3323.5	2998.6	2673.8	2539.5	2586.7
32.5°	5369.7	5223.6	5077.6	4700.3	4322.9	3781.2	3239.3	2904.1	2568.9	2460.7	2481.6
35°	5566.1	5426.3	5286.4	4823.8	4361.2	3751.1	3141.2	2811.3	2481.4	2391.2	2382.5
37.5°	5896.8	5718.6	5540.3	4962.1	4383.9	3699.3	3014.8	2702.0	2389.2	2310.4	2278.6
40°	6396.5	6136.8	5877.0	5137.7	4398.2	3628.1	2858.2	2571.6	2284.9	2213.5	2164.7
42.5°	7059.3	6684.3	6309.4	5367.4	4425.3	3554.6	2684.3	2427.7	2171.2	2105.2	2043.7
45°	7877.7	7372.0	6866.3	5669.6	4473.0	3486.3	2499.9	2274.8	2049.8	1983.0	1923.5
47.5°	8901.3	8189.5	7477.6	5991.6	4505.8	3430.0	2354.2	2153.8	1953.5	1867.3	1816.2
50°	10242.9	9169.8	8096.5	6290.4	4484.4	3368.5	2252.6	2073.6	1894.5	1781.2	1721.7
52.5°	11782.9	10199.5	8616.0	6484.5	4352.8	3264.7	2176.7	2020.7	1864.7	1734.4	1651.3
55°	13422.5	11112.3	8802.4	6441.7	4080.8	3092.5	2104.3	1982.4	1860.3	1739.1	1613.9
57.5°	14913.6	11759.4	8605.1	6140.8	3676.7	2849.9	2023.0	1936.8	1850.6	1743.8	1591.4
60°	15814.9	11921.1	8027.0	5580.8	3134.6	2534.8	1935.1	1867.3	1799.6	1729.1	1570.3
62.5°	15357.3	11240.3	7123.1	4823.5	2523.9	2157.7	1791.6	1746.6	1701.7	1693.0	1545.8
65°	14441.3	10277.0	6112.6	4050.9	1989.4	1818.5	1647.6	1626.4	1605.0	1606.2	1493.9
67.5°	13214.0	9130.6	5047.2	3294.0	1541.0	1492.4	1443.8	1455.7	1467.5	1464.5	1401.5
70°	11739.4	7879.8	4020.0	2593.7	1167.2	1181.1	1194.8	1249.9	1304.8	1304.8	1284.1
72.5°	9982.3	6523.7	3065.4	1982.9	900.4	942.2	984.1	1062.2	1140.1	1153.1	1153.4
75°	7759.5	4969.3	2179.1	1439.1	699.2	737.1	775.0	862.4	949.8	1010.2	1005.1
77.5°	5544.0	3478.0	1412.1	975.2	538.2	564.1	590.0	674.8	759.6	859.2	856.5
80°	3628.5	2240.9	853.2	628.3	403.5	414.2	425.0	496.8	568.6	687.5	687.1
82.5°	2109.2	1296.9	484.8	386.4	288.3	290.3	292.3	345.3	398.2	499.8	505.3
85°	928.0	583.4	238.9	206.5	174.4	173.4	172.4	211.2	249.9	325.3	332.7
87.5°	287.3	191.1	94.9	85.7	76.5	75.5	74.5	90.3	106.2	137.7	147.0
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: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3420.2	3394.7	3371.5	3348.6	3328.4	3308.3	3287.9	3267.8	3252.1	3236.3	3223.6
5°	3367.0	3318.5	3278.0	3237.5	3201.6	3165.8	3133.3	3100.7	3075.7	3050.6	3033.1
7.5°	3340.1	3275.8	3222.3	3168.9	3123.9	3078.7	3038.8	2999.1	2969.4	2939.7	2918.9
10°	3341.9	3274.1	3220.5	3167.1	3118.7	3070.0	3025.2	2980.5	2944.9	2909.3	2886.0
12.5°	3360.9	3305.5	3270.1	3234.8	3196.6	3158.5	3112.2	3066.0	3020.6	2975.2	2945.0
15°	3361.4	3334.9	3339.8	3344.6	3334.7	3324.8	3284.6	3244.3	3179.7	3115.0	3069.4
17.5°	3311.0	3320.5	3378.8	3437.0	3468.1	3498.9	3466.4	3434.2	3348.5	3262.8	3195.4
20°	3205.0	3250.4	3351.5	3452.8	3517.6	3582.5	3567.5	3552.3	3454.5	3356.6	3274.1
22.5°	3066.0	3133.2	3248.6	3364.4	3448.7	3533.0	3542.1	3551.0	3457.5	3363.9	3279.0
25°	2920.3	2997.8	3101.6	3205.6	3288.6	3371.5	3402.6	3433.4	3356.8	3280.2	3204.6
27.5°	2781.3	2856.2	2941.5	3026.8	3093.3	3159.9	3194.4	3229.0	3174.3	3119.8	3061.2
30°	2646.0	2705.6	2776.4	2847.2	2902.4	2957.7	2985.8	3013.9	2972.3	2930.6	2888.7
32.5°	2516.8	2551.9	2608.4	2665.1	2718.0	2771.1	2802.2	2833.5	2795.3	2756.9	2723.4
35°	2392.1	2401.9	2445.0	2488.1	2540.5	2592.9	2630.4	2667.8	2640.5	2613.4	2582.4
37.5°	2267.8	2257.2	2288.2	2319.1	2371.2	2423.6	2469.8	2516.2	2503.6	2491.0	2462.6
40°	2140.5	2116.3	2138.7	2160.9	2211.4	2262.0	2315.2	2368.5	2371.5	2374.5	2350.3
42.5°	2011.7	1979.6	1997.8	2016.1	2063.9	2111.9	2169.4	2226.8	2242.2	2257.6	2237.2
45°	1892.3	1861.1	1876.4	1891.8	1937.2	1982.7	2042.3	2101.9	2123.9	2145.9	2127.6
47.5°	1790.1	1763.8	1778.3	1792.5	1837.0	1881.4	1940.2	1999.0	2024.4	2049.8	2037.0
50°	1698.5	1675.4	1697.8	1720.4	1762.4	1804.2	1856.8	1909.5	1942.1	1974.7	1973.8
52.5°	1628.3	1605.5	1639.3	1673.0	1711.4	1749.8	1798.9	1848.0	1886.6	1925.3	1932.2
55°	1577.6	1541.3	1589.4	1637.1	1678.5	1720.0	1763.0	1805.9	1846.8	1887.8	1897.5
57.5°	1538.5	1485.6	1537.2	1588.7	1637.4	1686.0	1728.6	1771.2	1812.5	1853.6	1863.3
60°	1501.8	1433.2	1478.4	1523.6	1579.4	1635.3	1678.4	1721.7	1763.2	1804.6	1815.3
62.5°	1460.0	1374.3	1403.0	1431.8	1496.8	1562.1	1608.1	1654.2	1692.2	1730.2	1740.4
65°	1402.8	1311.5	1322.6	1333.5	1403.3	1473.2	1517.3	1561.4	1594.8	1628.2	1638.8
67.5°	1325.5	1249.7	1246.2	1242.7	1307.1	1371.7	1413.5	1455.2	1484.0	1512.9	1523.1
70°	1230.1	1176.2	1164.1	1152.1	1208.8	1265.4	1301.4	1337.5	1363.7	1389.7	1399.5
72.5°	1116.4	1079.4	1061.8	1044.3	1088.9	1133.3	1166.0	1198.6	1224.2	1249.7	1261.4
75°	976.6	948.0	931.2	914.3	947.4	980.5	1010.0	1039.6	1062.8	1086.1	1098.4
77.5°	833.6	810.8	793.8	776.6	803.6	830.5	855.9	881.3	905.7	930.0	941.5
80°	668.0	648.7	634.5	620.0	642.5	664.8	686.1	707.6	726.1	744.6	759.8
82.5°	496.0	486.7	476.5	466.4	464.4	462.6	455.1	447.6	487.2	526.7	552.7
85°	322.7	312.7	301.3	290.0	280.3	270.6	249.9	229.2	266.2	303.3	335.4
87.5°	143.0	139.0	136.8	134.7	134.3	133.9	118.1	102.2	117.8	133.4	146.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3210.9	3201.1	3191.2	3182.1	3172.9	3161.5	3172.9	3182.1	3191.2	3201.1	3210.9
5°	3015.7	3003.1	2990.7	2981.3	2971.8	2962.5	2971.8	2981.3	2990.7	3003.1	3015.7
7.5°	2898.0	2883.7	2869.6	2861.0	2852.6	2846.2	2852.6	2861.0	2869.6	2883.7	2898.0
10°	2862.5	2849.0	2835.5	2828.3	2821.0	2818.1	2821.0	2828.3	2835.5	2849.0	2862.5
12.5°	2915.0	2899.9	2885.0	2878.8	2872.7	2871.5	2872.7	2878.8	2885.0	2899.9	2915.0
15°	3023.6	3002.6	2981.8	2973.8	2965.7	2965.1	2965.7	2973.8	2981.8	3002.6	3023.6
17.5°	3128.1	3097.1	3066.0	3055.8	3045.6	3043.9	3045.6	3055.8	3066.0	3097.1	3128.1
20°	3191.5	3151.9	3112.1	3099.4	3086.7	3082.7	3086.7	3099.4	3112.1	3151.9	3191.5
22.5°	3193.9	3152.1	3110.1	3096.0	3082.0	3076.0	3082.0	3096.0	3110.1	3152.1	3193.9
25°	3129.2	3092.8	3056.7	3043.4	3030.3	3022.5	3030.3	3043.4	3056.7	3092.8	3129.2
27.5°	3002.5	2978.2	2953.7	2947.7	2941.7	2939.7	2941.7	2947.7	2953.7	2978.2	3002.5
30°	2846.4	2834.0	2821.4	2821.4	2821.4	2823.5	2821.4	2821.4	2821.4	2834.0	2846.4
32.5°	2689.8	2681.7	2673.5	2674.6	2675.8	2677.8	2675.8	2674.6	2673.5	2681.7	2689.8
35°	2551.5	2539.1	2526.8	2524.2	2521.5	2520.2	2521.5	2524.2	2526.8	2539.1	2551.5
37.5°	2434.0	2411.4	2388.9	2377.0	2365.1	2358.4	2365.1	2377.0	2388.9	2411.4	2434.0
40°	2326.1	2293.2	2260.6	2238.5	2216.6	2203.4	2216.6	2238.5	2260.6	2293.2	2326.1
42.5°	2216.8	2176.1	2135.3	2103.1	2070.9	2049.8	2070.9	2103.1	2135.3	2176.1	2216.8
45°	2109.2	2062.6	2016.1	1978.2	1940.4	1916.1	1940.4	1978.2	2016.1	2062.6	2109.2
47.5°	2024.2	1982.7	1941.2	1906.3	1871.3	1848.0	1871.3	1906.3	1941.2	1982.7	2024.2
50°	1973.3	1940.2	1907.1	1874.7	1842.4	1820.0	1842.4	1874.7	1907.1	1940.2	1973.3
52.5°	1939.1	1912.1	1885.2	1856.2	1827.3	1806.6	1827.3	1856.2	1885.2	1912.1	1939.1
55°	1907.1	1883.5	1860.1	1834.6	1809.2	1790.6	1809.2	1834.6	1860.1	1883.5	1907.1
57.5°	1873.1	1849.3	1825.5	1800.4	1775.2	1755.8	1775.2	1800.4	1825.5	1849.3	1873.1
60°	1825.9	1802.7	1779.6	1753.7	1727.7	1707.8	1727.7	1753.7	1779.6	1802.7	1825.9
62.5°	1750.7	1729.8	1708.8	1681.5	1654.2	1630.2	1654.2	1681.5	1708.8	1729.8	1750.7
65°	1649.2	1629.0	1608.8	1582.4	1556.1	1535.3	1556.1	1582.4	1608.8	1629.0	1649.2
67.5°	1533.3	1514.7	1496.3	1471.7	1447.1	1428.4	1447.1	1471.7	1496.3	1514.7	1533.3
70°	1409.5	1394.3	1379.2	1355.8	1332.2	1310.9	1332.2	1355.8	1379.2	1394.3	1409.5
72.5°	1273.2	1260.6	1248.0	1225.6	1203.2	1182.5	1203.2	1225.6	1248.0	1260.6	1273.2
75°	1110.7	1104.5	1098.4	1079.5	1060.7	1040.9	1060.7	1079.5	1098.4	1104.5	1110.7
77.5°	953.0	944.4	935.6	916.7	897.7	881.9	897.7	916.7	935.6	944.4	953.0
80°	775.0	771.3	767.6	742.1	716.5	686.9	716.5	742.1	767.6	771.3	775.0
82.5°	578.6	577.0	575.2	553.7	532.1	513.1	532.1	553.7	575.2	577.0	578.6
85°	367.5	364.8	362.1	345.3	328.4	311.3	328.4	345.3	362.1	364.8	367.5
87.5°	159.3	156.1	152.6	144.0	135.2	126.9	135.2	144.0	152.6	156.1	159.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3223.6	3236.3	3252.1	3267.8	3287.9	3308.3	3328.4	3348.6	3371.5	3394.7	3420.2
5°	3033.1	3050.6	3075.7	3100.7	3133.3	3165.8	3201.6	3237.5	3278.0	3318.5	3367.0
7.5°	2918.9	2939.7	2969.4	2999.1	3038.8	3078.7	3123.9	3168.9	3222.3	3275.8	3340.1
10°	2886.0	2909.3	2944.9	2980.5	3025.2	3070.0	3118.7	3167.1	3220.5	3274.1	3341.9
12.5°	2945.0	2975.2	3020.6	3066.0	3112.2	3158.5	3196.6	3234.8	3270.1	3305.5	3360.9
15°	3069.4	3115.0	3179.7	3244.3	3284.6	3324.8	3334.7	3344.6	3339.8	3334.9	3361.4
17.5°	3195.4	3262.8	3348.5	3434.2	3466.4	3498.9	3468.1	3437.0	3378.8	3320.5	3311.0
20°	3274.1	3356.6	3454.5	3552.3	3567.5	3582.5	3517.6	3452.8	3351.5	3250.4	3205.0
22.5°	3279.0	3363.9	3457.5	3551.0	3542.1	3533.0	3448.7	3364.4	3248.6	3133.2	3066.0
25°	3204.6	3280.2	3356.8	3433.4	3402.6	3371.5	3288.6	3205.6	3101.6	2997.8	2920.3
27.5°	3061.2	3119.8	3174.3	3229.0	3194.4	3159.9	3093.3	3026.8	2941.5	2856.2	2781.3
30°	2888.7	2930.6	2972.3	3013.9	2985.8	2957.7	2902.4	2847.2	2776.4	2705.6	2646.0
32.5°	2723.4	2756.9	2795.3	2833.5	2802.2	2771.1	2718.0	2665.1	2608.4	2551.9	2516.8
35°	2582.4	2613.4	2640.5	2667.8	2630.4	2592.9	2540.5	2488.1	2445.0	2401.9	2392.1
37.5°	2462.6	2491.0	2503.6	2516.2	2469.8	2423.6	2371.2	2319.1	2288.2	2257.2	2267.8
40°	2350.3	2374.5	2371.5	2368.5	2315.2	2262.0	2211.4	2160.9	2138.7	2116.3	2140.5
42.5°	2237.2	2257.6	2242.2	2226.8	2169.4	2111.9	2063.9	2016.1	1997.8	1979.6	2011.7
45°	2127.6	2145.9	2123.9	2101.9	2042.3	1982.7	1937.2	1891.8	1876.4	1861.1	1892.3
47.5°	2037.0	2049.8	2024.4	1999.0	1940.2	1881.4	1837.0	1792.5	1778.3	1763.8	1790.1
50°	1973.8	1974.7	1942.1	1909.5	1856.8	1804.2	1762.4	1720.4	1697.8	1675.4	1698.5
52.5°	1932.2	1925.3	1886.6	1848.0	1798.9	1749.8	1711.4	1673.0	1639.3	1605.5	1628.3
55°	1897.5	1887.8	1846.8	1805.9	1763.0	1720.0	1678.5	1637.1	1589.4	1541.3	1577.6
57.5°	1863.3	1853.6	1812.5	1771.2	1728.6	1686.0	1637.4	1588.7	1537.2	1485.6	1538.5
60°	1815.3	1804.6	1763.2	1721.7	1678.4	1635.3	1579.4	1523.6	1478.4	1433.2	1501.8
62.5°	1740.4	1730.2	1692.2	1654.2	1608.1	1562.1	1496.8	1431.8	1403.0	1374.3	1460.0
65°	1638.8	1628.2	1594.8	1561.4	1517.3	1473.2	1403.3	1333.5	1322.6	1311.5	1402.8
67.5°	1523.1	1512.9	1484.0	1455.2	1413.5	1371.7	1307.1	1242.7	1246.2	1249.7	1325.5
70°	1399.5	1389.7	1363.7	1337.5	1301.4	1265.4	1208.8	1152.1	1164.1	1176.2	1230.1
72.5°	1261.4	1249.7	1224.2	1198.6	1166.0	1133.3	1088.9	1044.3	1061.8	1079.4	1116.4
75°	1098.4	1086.1	1062.8	1039.6	1010.0	980.5	947.4	914.3	931.2	948.0	976.6
77.5°	941.5	930.0	905.7	881.3	855.9	830.5	803.6	776.6	793.8	810.8	833.6
80°	759.8	744.6	726.1	707.6	686.1	664.8	642.5	620.0	634.5	648.7	668.0
82.5°	552.7	526.7	487.2	447.6	455.1	462.6	464.4	466.4	476.5	486.7	496.0
85°	335.4	303.3	266.2	229.2	249.9	270.6	280.3	290.0	301.3	312.7	322.7
87.5°	146.3	133.4	117.8	102.2	118.1	133.9	134.3	134.7	136.8	139.0	143.0
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: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3445.8	3477.5	3506.0	3535.4	3564.8	3595.5	3626.2	3656.7	3687.3	3716.0	3744.8
5°	3415.4	3470.9	3527.0	3586.5	3645.9	3709.5	3773.2	3836.5	3899.8	3963.3	4026.7
7.5°	3404.4	3476.2	3552.8	3635.8	3718.7	3812.9	3907.1	4003.9	4100.6	4205.3	4310.0
10°	3409.8	3486.9	3581.4	3679.7	3777.8	3892.3	4006.7	4134.4	4262.4	4394.7	4527.1
12.5°	3416.4	3488.3	3587.5	3698.5	3809.6	3944.5	4079.5	4224.3	4369.2	4514.6	4660.1
15°	3388.0	3445.4	3555.4	3684.0	3812.5	3968.0	4123.4	4280.5	4437.6	4589.3	4740.9
17.5°	3301.1	3336.6	3465.9	3620.5	3775.1	3955.5	4135.9	4307.4	4478.7	4632.6	4786.3
20°	3159.6	3168.9	3319.5	3511.0	3702.7	3921.3	4139.9	4328.4	4516.8	4676.7	4836.5
22.5°	2998.7	2980.5	3151.9	3382.7	3613.4	3879.3	4145.3	4356.7	4567.9	4731.3	4894.6
25°	2842.8	2793.4	2969.1	3239.3	3509.6	3837.9	4166.4	4408.0	4649.4	4809.4	4969.4
27.5°	2706.5	2646.4	2806.3	3108.2	3410.1	3810.2	4210.5	4488.2	4765.6	4918.4	5071.0
30°	2586.7	2539.5	2673.8	2998.6	3323.5	3797.3	4270.9	4592.0	4913.0	5060.4	5207.9
32.5°	2481.6	2460.7	2568.9	2904.1	3239.3	3781.2	4322.9	4700.3	5077.6	5223.6	5369.7
35°	2382.5	2391.2	2481.4	2811.3	3141.2	3751.1	4361.2	4823.8	5286.4	5426.3	5566.1
37.5°	2278.6	2310.4	2389.2	2702.0	3014.8	3699.3	4383.9	4962.1	5540.3	5718.6	5896.8
40°	2164.7	2213.5	2284.9	2571.6	2858.2	3628.1	4398.2	5137.7	5877.0	6136.8	6396.5
42.5°	2043.7	2105.2	2171.2	2427.7	2684.3	3554.6	4425.3	5367.4	6309.4	6684.3	7059.3
45°	1923.5	1983.0	2049.8	2274.8	2499.9	3486.3	4473.0	5669.6	6866.3	7372.0	7877.7
47.5°	1816.2	1867.3	1953.5	2153.8	2354.2	3430.0	4505.8	5991.6	7477.6	8189.5	8901.3
50°	1721.7	1781.2	1894.5	2073.6	2252.6	3368.5	4484.4	6290.4	8096.5	9169.8	10242.9
52.5°	1651.3	1734.4	1864.7	2020.7	2176.7	3264.7	4352.8	6484.5	8616.0	10199.5	11782.9
55°	1613.9	1739.1	1860.3	1982.4	2104.3	3092.5	4080.8	6441.7	8802.4	11112.3	13422.5
57.5°	1591.4	1743.8	1850.6	1936.8	2023.0	2849.9	3676.7	6140.8	8605.1	11759.4	14913.6
60°	1570.3	1729.1	1799.6	1867.3	1935.1	2534.8	3134.6	5580.8	8027.0	11921.1	15814.9
62.5°	1545.8	1693.0	1701.7	1746.6	1791.6	2157.7	2523.9	4823.5	7123.1	11240.3	15357.3
65°	1493.9	1606.2	1605.0	1626.4	1647.6	1818.5	1989.4	4050.9	6112.6	10277.0	14441.3
67.5°	1401.5	1464.5	1467.5	1455.7	1443.8	1492.4	1541.0	3294.0	5047.2	9130.6	13214.0
70°	1284.1	1304.8	1304.8	1249.9	1194.8	1181.1	1167.2	2593.7	4020.0	7879.8	11739.4
72.5°	1153.4	1153.1	1140.1	1062.2	984.1	942.2	900.4	1982.9	3065.4	6523.7	9982.3
75°	1005.1	1010.2	949.8	862.4	775.0	737.1	699.2	1439.1	2179.1	4969.3	7759.5
77.5°	856.5	859.2	759.6	674.8	590.0	564.1	538.2	975.2	1412.1	3478.0	5544.0
80°	687.1	687.5	568.6	496.8	425.0	414.2	403.5	628.3	853.2	2240.9	3628.5
82.5°	505.3	499.8	398.2	345.3	292.3	290.3	288.3	386.4	484.8	1296.9	2109.2
85°	332.7	325.3	249.9	211.2	172.4	173.4	174.4	206.5	238.9	583.4	928.0
87.5°	147.0	137.7	106.2	90.3	74.5	75.5	76.5	85.7	94.9	191.1	287.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3759.0	3773.2	3793.4	3813.6	3825.6	3837.7	3843.6	3849.7	3847.0	3849.7	3843.6
5°	4076.3	4126.0	4175.2	4224.5	4251.2	4277.9	4294.1	4310.4	4322.7	4310.4	4294.1
7.5°	4390.7	4471.3	4543.8	4616.4	4660.1	4703.8	4727.5	4751.0	4762.4	4751.0	4727.5
10°	4622.5	4718.0	4803.0	4888.2	4939.8	4991.1	5014.1	5037.0	5045.6	5037.0	5014.1
12.5°	4763.5	4866.8	4943.8	5020.4	5057.9	5095.3	5107.9	5120.5	5121.8	5120.5	5107.9
15°	4830.2	4919.4	4967.6	5015.9	5017.3	5018.6	5005.3	4991.9	4976.2	4991.9	5005.3
17.5°	4846.6	4906.9	4907.8	4908.6	4854.5	4800.4	4750.9	4701.2	4666.1	4701.2	4750.9
20°	4857.5	4878.6	4815.1	4751.6	4632.2	4512.8	4425.7	4338.7	4285.3	4338.7	4425.7
22.5°	4867.1	4839.5	4708.0	4576.6	4400.8	4225.2	4116.4	4007.6	3948.6	4007.6	4116.4
25°	4882.6	4795.8	4596.1	4396.4	4183.0	3969.7	3855.3	3741.1	3685.3	3741.1	3855.3
27.5°	4915.7	4760.3	4495.9	4231.6	3995.0	3758.6	3646.0	3533.7	3480.9	3533.7	3646.0
30°	4976.4	4744.9	4419.5	4094.0	3847.5	3601.1	3496.8	3392.4	3343.2	3392.4	3496.8
32.5°	5052.5	4735.6	4367.3	3999.0	3767.5	3535.9	3454.0	3371.9	3336.6	3371.9	3454.0
35°	5178.0	4790.1	4406.4	4022.7	3861.9	3701.1	3682.0	3662.8	3660.0	3662.8	3682.0
37.5°	5440.3	4983.9	4635.2	4286.3	4276.0	4265.5	4352.9	4440.3	4485.7	4440.3	4352.9
40°	5900.1	5403.7	5144.4	4884.9	5068.0	5251.1	5463.6	5676.0	5781.9	5676.0	5463.6
42.5°	6566.8	6074.3	5924.8	5775.5	6174.7	6574.0	6960.5	7346.9	7573.7	7346.9	6960.5
45°	7435.4	6992.8	6926.8	6860.8	7500.5	8140.3	8775.3	9410.4	9795.9	9410.4	8775.3
47.5°	8470.9	8040.4	8027.0	8013.7	8936.5	9859.0	10788.6	11718.1	12263.9	11718.1	10788.6
50°	9711.2	9179.7	9181.9	9184.2	10373.4	11562.7	12789.7	14016.8	14758.7	14016.8	12789.7
52.5°	11139.1	10495.4	10430.4	10365.1	11785.7	13206.2	14724.4	16242.6	17131.8	16242.6	14724.4
55°	12786.4	12150.3	11896.6	11642.9	13223.9	14804.8	16614.7	18424.7	19482.3	18424.7	16614.7
57.5°	14567.3	14220.8	13711.8	13203.0	14799.5	16395.8	18445.9	20495.8	21807.3	20495.8	18445.9
60°	16353.0	16891.1	16259.0	15626.9	17137.7	18648.4	20843.4	23038.2	24455.7	23038.2	20843.4
62.5°	16827.3	18297.3	18226.0	18154.7	19538.7	20922.7	23010.9	25099.1	26409.3	25099.1	23010.9
65°	15821.0	17200.6	17473.6	17746.5	19505.2	21264.1	23289.0	25313.8	26429.3	25313.8	23289.0
67.5°	14526.2	15838.4	15966.3	16094.2	17926.7	19759.1	21792.7	23826.3	24700.2	23826.3	21792.7
70°	13166.7	14594.1	14651.2	14708.5	16347.3	17986.0	19736.0	21485.9	21971.7	21485.9	19736.0
72.5°	11620.1	13258.1	13299.3	13340.3	14622.3	15904.5	17215.2	18525.7	18574.9	18525.7	17215.2
75°	9454.6	11149.7	11302.0	11454.2	12451.7	13449.1	14371.8	15294.5	15047.3	15294.5	14371.8
77.5°	7126.4	8708.9	8926.7	9144.5	9902.8	10661.1	11315.5	11969.9	11545.1	11969.9	11315.5
80°	4959.9	6290.9	6561.7	6832.4	7405.1	7977.6	8321.3	8664.8	7981.3	8664.8	8321.3
82.5°	3019.3	3929.5	4232.0	4534.5	4928.7	5322.9	5466.2	5609.5	5072.3	5609.5	5466.2
85°	1411.0	1894.1	2151.4	2408.5	2732.4	3056.2	3137.6	3219.0	2788.7	3219.0	3137.6
87.5°	449.7	612.0	755.5	899.0	1061.0	1222.9	1229.9	1236.7	1038.2	1236.7	1229.9
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: P966580
 CATALOG NUMBER: NAV-SB4C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2	3482.2
2.5°	3837.7	3825.6	3813.6	3793.4	3773.2	3759.0	3744.8
5°	4277.9	4251.2	4224.5	4175.2	4126.0	4076.3	4026.7
7.5°	4703.8	4660.1	4616.4	4543.8	4471.3	4390.7	4310.0
10°	4991.1	4939.8	4888.2	4803.0	4718.0	4622.5	4527.1
12.5°	5095.3	5057.9	5020.4	4943.8	4866.8	4763.5	4660.1
15°	5018.6	5017.3	5015.9	4967.6	4919.4	4830.2	4740.9
17.5°	4800.4	4854.5	4908.6	4907.8	4906.9	4846.6	4786.3
20°	4512.8	4632.2	4751.6	4815.1	4878.6	4857.5	4836.5
22.5°	4225.2	4400.8	4576.6	4708.0	4839.5	4867.1	4894.6
25°	3969.7	4183.0	4396.4	4596.1	4795.8	4882.6	4969.4
27.5°	3758.6	3995.0	4231.6	4495.9	4760.3	4915.7	5071.0
30°	3601.1	3847.5	4094.0	4419.5	4744.9	4976.4	5207.9
32.5°	3535.9	3767.5	3999.0	4367.3	4735.6	5052.5	5369.7
35°	3701.1	3861.9	4022.7	4406.4	4790.1	5178.0	5566.1
37.5°	4265.5	4276.0	4286.3	4635.2	4983.9	5440.3	5896.8
40°	5251.1	5068.0	4884.9	5144.4	5403.7	5900.1	6396.5
42.5°	6574.0	6174.7	5775.5	5924.8	6074.3	6566.8	7059.3
45°	8140.3	7500.5	6860.8	6926.8	6992.8	7435.4	7877.7
47.5°	9859.0	8936.5	8013.7	8027.0	8040.4	8470.9	8901.3
50°	11562.7	10373.4	9184.2	9181.9	9179.7	9711.2	10242.9
52.5°	13206.2	11785.7	10365.1	10430.4	10495.4	11139.1	11782.9
55°	14804.8	13223.9	11642.9	11896.6	12150.3	12786.4	13422.5
57.5°	16395.8	14799.5	13203.0	13711.8	14220.8	14567.3	14913.6
60°	18648.4	17137.7	15626.9	16259.0	16891.1	16353.0	15814.9
62.5°	20922.7	19538.7	18154.7	18226.0	18297.3	16827.3	15357.3
65°	21264.1	19505.2	17746.5	17473.6	17200.6	15821.0	14441.3
67.5°	19759.1	17926.7	16094.2	15966.3	15838.4	14526.2	13214.0
70°	17986.0	16347.3	14708.5	14651.2	14594.1	13166.7	11739.4
72.5°	15904.5	14622.3	13340.3	13299.3	13258.1	11620.1	9982.3
75°	13449.1	12451.7	11454.2	11302.0	11149.7	9454.6	7759.5
77.5°	10661.1	9902.8	9144.5	8926.7	8708.9	7126.4	5544.0
80°	7977.6	7405.1	6832.4	6561.7	6290.9	4959.9	3628.5
82.5°	5322.9	4928.7	4534.5	4232.0	3929.5	3019.3	2109.2
85°	3056.2	2732.4	2408.5	2151.4	1894.1	1411.0	928.0
87.5°	1222.9	1061.0	899.0	755.5	612.0	449.7	287.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)