

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: P964472

Luminaire Tested: **NAV-SB3C-722-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964472
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-SB3C-722-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 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: 18958.4 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

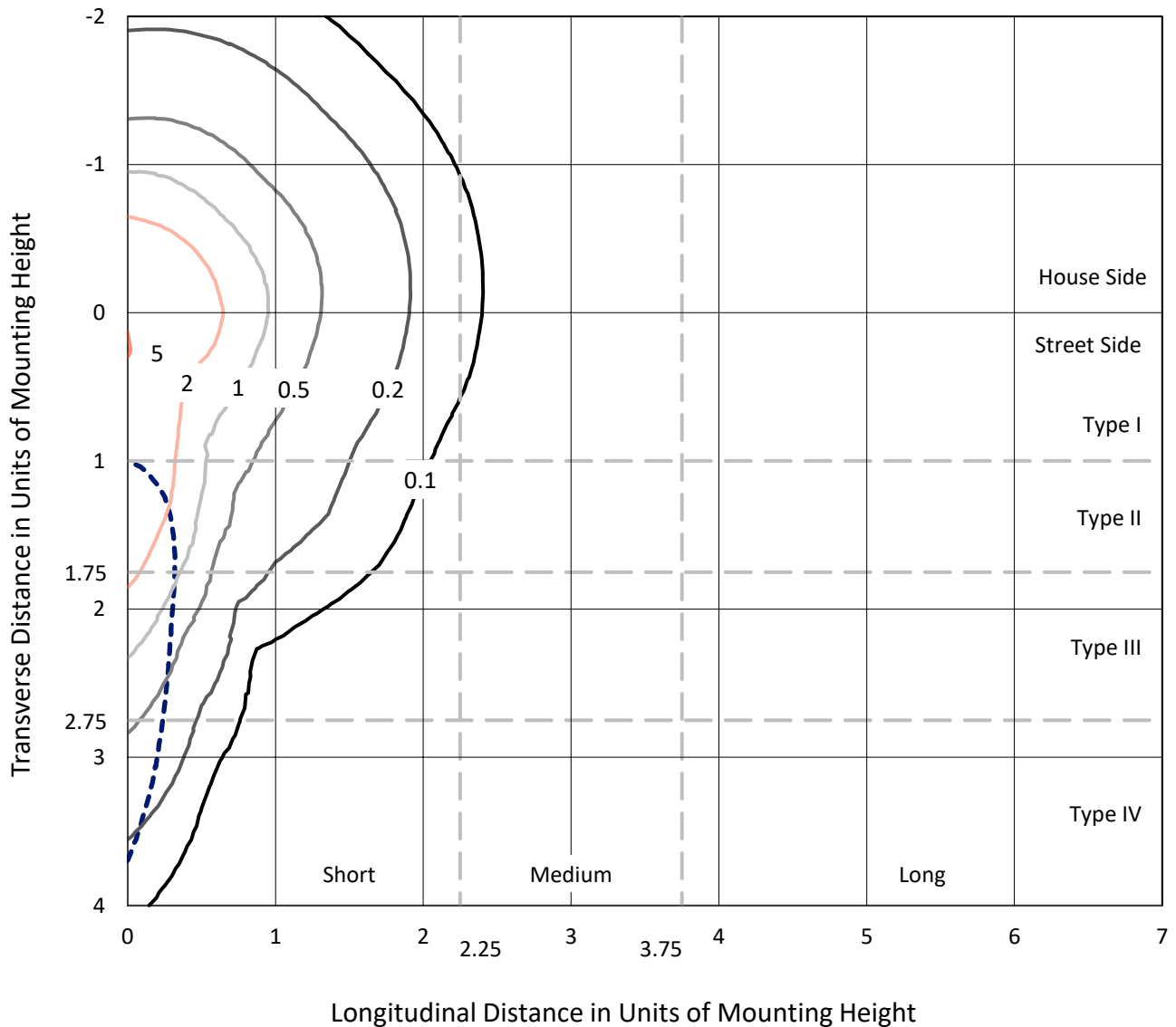
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

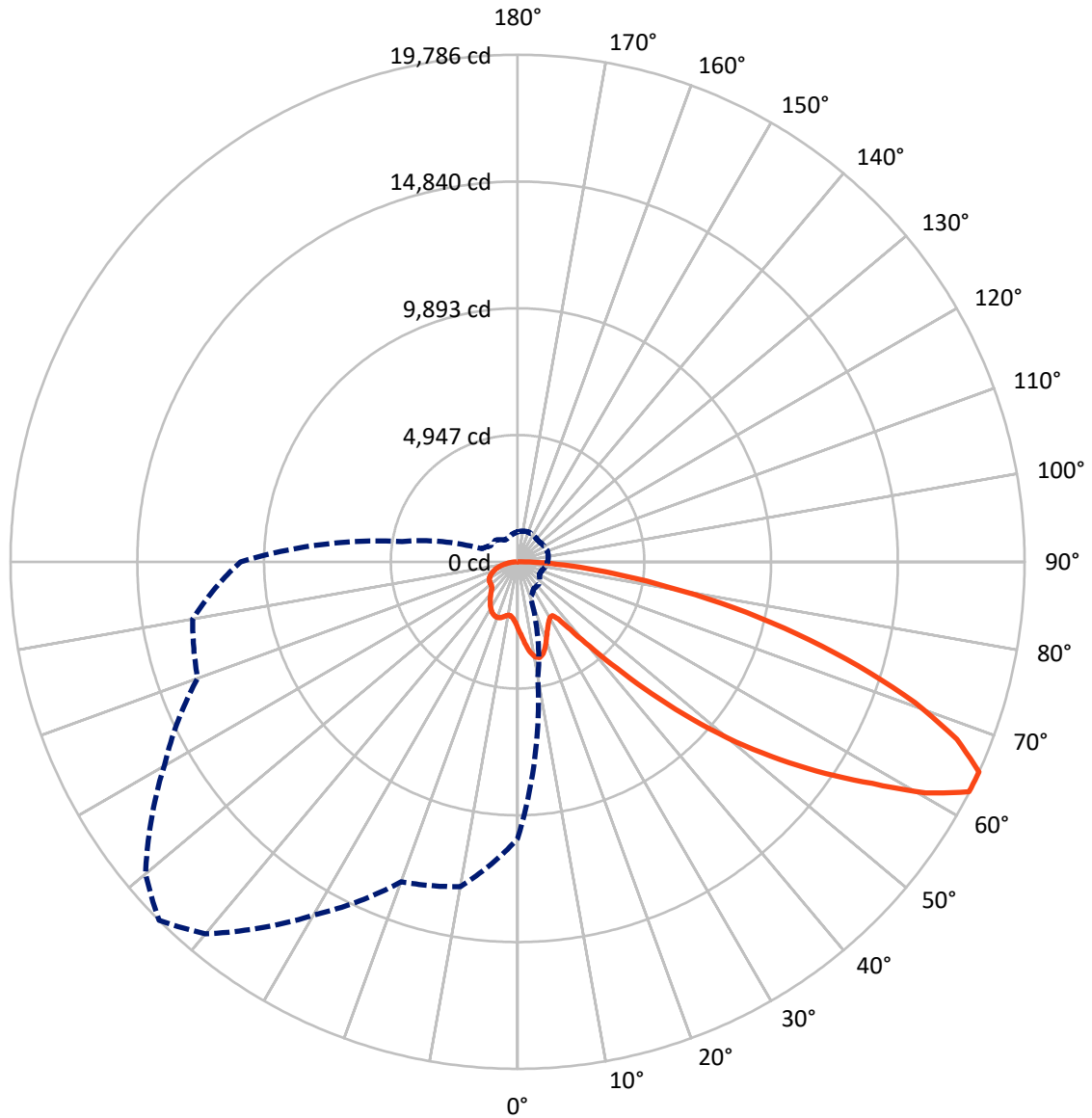
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 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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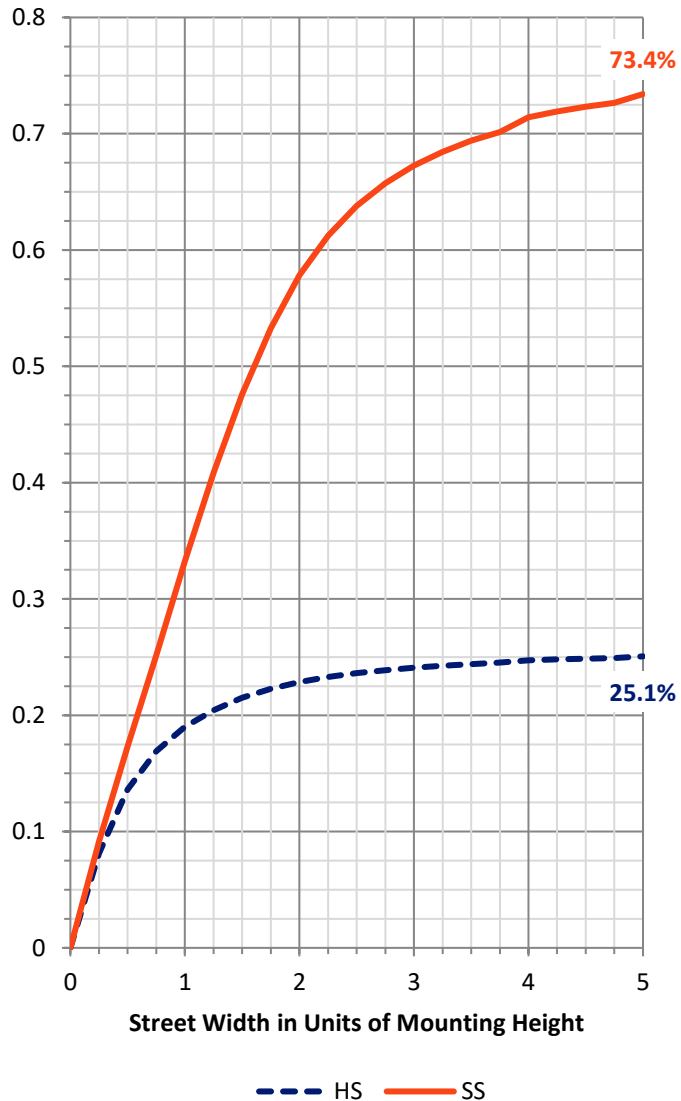
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4818.3	0.0	4818.3
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	14140.1	0.0	14140.1
	% Fixture	74.6	0.0	74.6
Total	Lumens	18958.4	0.0	18958.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	1.4
10°-20°	811.8	4.3
20°-30°	1254.0	6.6
30°-40°	1589.1	8.4
40°-50°	2396.8	12.6
50°-60°	3872.3	20.4
60°-70°	4827.5	25.5
70°-80°	3165.6	16.7
80°-90°	782.6	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°	18958.4	100.0
0°-180°	18958.4	100.0

Coefficient of Utilization

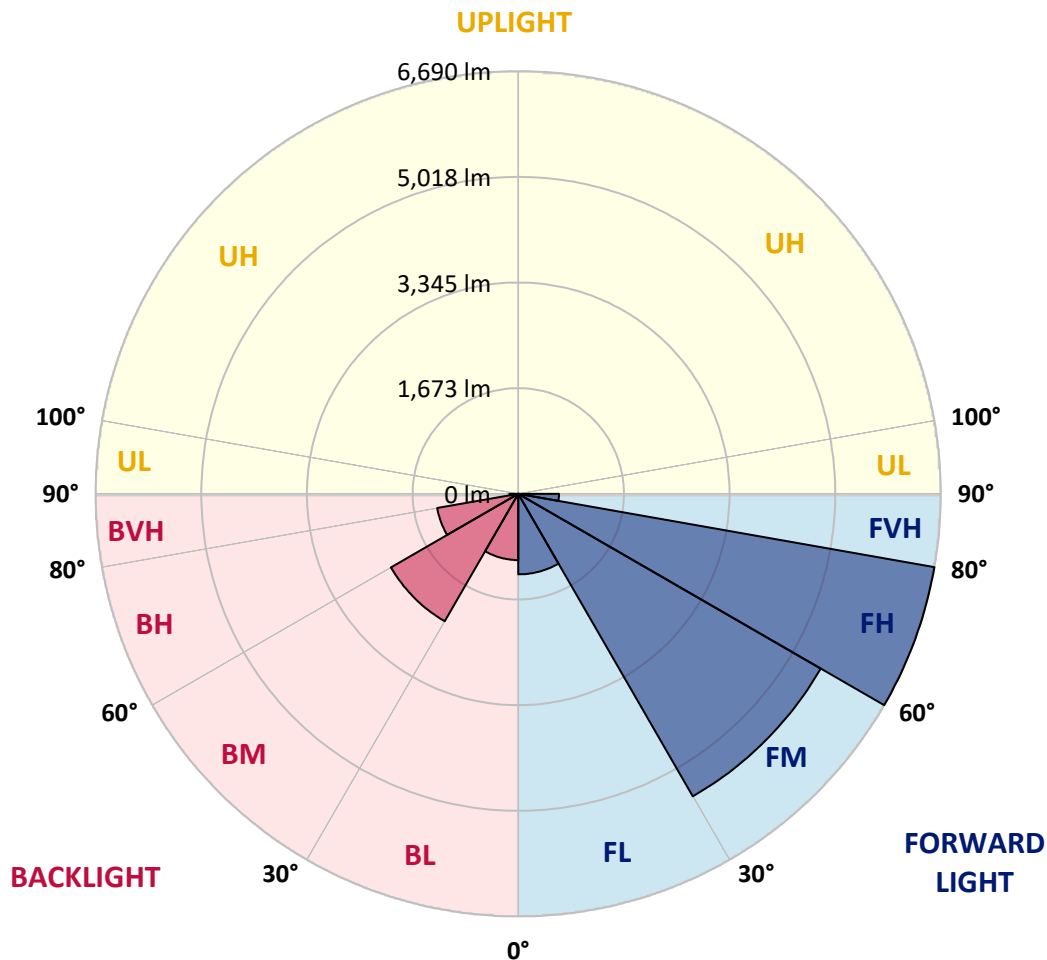


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1275.2	6.7			
FM (30°-60°)	5529.7	29.2			
FH (60°-80°)	6690.5	35.3			G3/7500
FVH (80°-90°)	644.7	3.4			G4/750
BL (0°-30°)	1049.2	5.5	B3/2500		
BM (30°-60°)	2328.5	12.3	B2/2500		
BH (60°-80°)	1302.6	6.9	B3/2500		G3/2500
BVH (80°-90°)	137.9	0.7			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2803.5	2782.1	2760.5	2737.6	2714.8	2691.8	2668.8	2646.8	2624.7	2603.4	2579.7
5°	3014.6	2967.1	2919.5	2872.2	2824.8	2777.1	2729.5	2685.0	2640.5	2598.5	2557.0
7.5°	3226.7	3148.3	3069.9	2997.5	2925.0	2854.5	2784.0	2721.9	2659.8	2602.5	2548.8
10°	3389.3	3290.0	3190.9	3095.2	2999.6	2914.0	2828.2	2754.8	2681.2	2610.5	2552.8
12.5°	3488.8	3379.8	3271.0	3162.5	3054.1	2953.0	2852.1	2768.9	2685.8	2611.5	2557.7
15°	3549.3	3435.7	3322.2	3204.6	3086.9	2970.6	2854.2	2758.0	2661.7	2579.4	2536.5
17.5°	3583.3	3468.2	3353.0	3224.6	3096.3	2961.2	2826.2	2710.5	2594.8	2497.9	2471.4
20°	3620.8	3501.2	3381.4	3240.3	3099.3	2935.7	2772.0	2628.5	2485.1	2372.4	2365.4
22.5°	3664.4	3542.1	3419.7	3261.5	3103.3	2904.2	2705.2	2532.5	2359.7	2231.3	2245.1
25°	3720.3	3600.5	3480.8	3300.0	3119.2	2873.3	2627.5	2425.0	2222.8	2091.3	2128.3
27.5°	3796.4	3682.1	3567.8	3360.1	3152.2	2852.6	2553.0	2327.0	2100.9	1981.2	2026.2
30°	3898.9	3788.5	3678.1	3437.7	3197.4	2842.8	2488.1	2245.0	2001.7	1901.2	1936.5
32.5°	4019.9	3910.6	3801.4	3518.8	3236.3	2830.8	2425.0	2174.2	1923.2	1842.1	1857.9
35°	4167.0	4062.4	3957.6	3611.3	3264.9	2808.2	2351.7	2104.6	1857.7	1790.2	1783.6
37.5°	4414.6	4281.1	4147.7	3714.8	3281.9	2769.5	2257.0	2022.8	1788.6	1729.6	1705.8
40°	4788.7	4594.3	4399.8	3846.3	3292.7	2716.1	2139.8	1925.2	1710.6	1657.1	1620.6
42.5°	5284.9	5004.3	4723.5	4018.2	3313.0	2661.2	2009.5	1817.4	1625.3	1576.0	1530.0
45°	5897.6	5519.0	5140.4	4244.5	3348.7	2610.1	1871.4	1703.0	1534.5	1484.5	1440.0
47.5°	6663.9	6131.0	5598.0	4485.6	3373.2	2567.8	1762.5	1612.5	1462.6	1398.0	1359.7
50°	7668.2	6864.8	6061.4	4709.3	3357.2	2521.8	1686.4	1552.4	1418.3	1333.5	1288.9
52.5°	8821.2	7635.7	6450.3	4854.6	3258.7	2444.1	1629.5	1512.8	1396.0	1298.5	1236.3
55°	10048.6	8319.2	6589.9	4822.5	3055.1	2315.3	1575.3	1484.0	1392.7	1302.0	1208.3
57.5°	11165.0	8803.6	6442.1	4597.2	2752.5	2133.5	1514.5	1450.1	1385.5	1305.4	1191.5
60°	11839.8	8924.7	6009.4	4178.0	2346.6	1897.7	1448.7	1398.0	1347.3	1294.5	1175.7
62.5°	11497.1	8414.9	5332.8	3611.1	1889.5	1615.4	1341.3	1307.6	1274.0	1267.4	1157.2
65°	10811.4	7693.8	4576.1	3032.7	1489.3	1361.4	1233.5	1217.5	1201.6	1202.4	1118.4
67.5°	9892.6	6835.6	3778.6	2466.0	1153.6	1117.4	1080.9	1089.8	1098.6	1096.4	1049.2
70°	8788.7	5899.2	3009.6	1941.7	873.8	884.3	894.5	935.7	976.8	976.8	961.3
72.5°	7473.2	4883.9	2294.9	1484.4	674.0	705.4	736.8	795.2	853.5	863.4	863.6
75°	5809.1	3720.2	1631.4	1077.4	523.4	551.8	580.3	645.6	711.0	756.2	752.5
77.5°	4150.5	2603.8	1057.2	730.1	402.9	422.3	441.7	505.2	568.7	643.2	641.2
80°	2716.5	1677.6	638.8	470.4	302.1	310.1	318.2	372.0	425.7	514.7	514.3
82.5°	1579.1	971.0	363.0	289.3	215.9	217.3	218.8	258.5	298.1	374.1	378.3
85°	694.7	436.8	178.9	154.7	130.6	129.9	129.0	158.1	187.1	243.5	249.1
87.5°	215.0	143.1	71.0	64.2	57.2	56.5	55.9	67.6	79.5	103.0	110.1
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°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2560.6	2541.4	2524.1	2506.9	2491.8	2476.7	2461.5	2446.4	2434.7	2422.9	2413.4
5°	2520.7	2484.4	2454.0	2423.7	2396.9	2370.1	2345.7	2321.3	2302.7	2283.8	2270.7
7.5°	2500.5	2452.4	2412.3	2372.4	2338.6	2304.8	2275.0	2245.3	2223.0	2200.8	2185.2
10°	2501.9	2451.1	2411.1	2371.0	2334.7	2298.4	2264.8	2231.3	2204.7	2178.0	2160.6
12.5°	2516.1	2474.7	2448.1	2421.7	2393.1	2364.7	2329.9	2295.3	2261.4	2227.3	2204.8
15°	2516.5	2496.7	2500.3	2503.9	2496.5	2489.1	2459.0	2428.8	2380.5	2332.1	2297.8
17.5°	2478.7	2485.9	2529.5	2573.2	2596.3	2619.5	2595.1	2570.9	2506.8	2442.7	2392.2
20°	2399.3	2433.4	2509.1	2584.9	2633.4	2682.0	2670.7	2659.5	2586.2	2512.9	2451.1
22.5°	2295.3	2345.6	2432.1	2518.7	2581.9	2644.9	2651.8	2658.4	2588.4	2518.4	2454.8
25°	2186.3	2244.3	2322.0	2399.8	2461.9	2524.1	2547.3	2570.4	2513.0	2455.7	2399.1
27.5°	2082.3	2138.3	2202.2	2266.1	2315.9	2365.7	2391.4	2417.4	2376.5	2335.7	2291.7
30°	1980.9	2025.5	2078.6	2131.6	2172.9	2214.3	2235.3	2256.3	2225.2	2194.0	2162.5
32.5°	1884.2	1910.5	1952.8	1995.3	2034.8	2074.6	2097.9	2121.2	2092.6	2063.9	2038.8
35°	1790.9	1798.2	1830.4	1862.6	1901.9	1941.2	1969.2	1997.2	1976.8	1956.5	1933.3
37.5°	1697.8	1689.8	1713.0	1736.1	1775.2	1814.5	1849.1	1883.6	1874.3	1864.9	1843.6
40°	1602.5	1584.3	1601.0	1617.8	1655.6	1693.4	1733.3	1773.1	1775.4	1777.7	1759.5
42.5°	1506.0	1482.0	1495.7	1509.3	1545.2	1581.1	1624.1	1667.1	1678.6	1690.1	1674.8
45°	1416.7	1393.3	1404.7	1416.3	1450.4	1484.3	1529.0	1573.6	1590.1	1606.6	1592.7
47.5°	1340.1	1320.5	1331.3	1342.0	1375.3	1408.6	1452.5	1496.5	1515.6	1534.5	1525.0
50°	1271.5	1254.3	1271.1	1288.0	1319.4	1350.6	1390.1	1429.6	1454.0	1478.4	1477.7
52.5°	1219.0	1201.9	1227.2	1252.4	1281.2	1309.9	1346.6	1383.5	1412.4	1441.4	1446.5
55°	1181.0	1153.9	1189.8	1225.6	1256.6	1287.7	1319.9	1352.0	1382.6	1413.3	1420.5
57.5°	1151.8	1112.2	1150.8	1189.4	1225.8	1262.3	1294.1	1325.9	1356.9	1387.7	1395.0
60°	1124.3	1072.9	1106.8	1140.6	1182.4	1224.3	1256.5	1288.9	1320.0	1350.9	1358.9
62.5°	1093.0	1028.9	1050.4	1071.8	1120.6	1169.4	1204.0	1238.4	1266.9	1295.3	1303.0
65°	1050.2	981.8	990.1	998.4	1050.6	1102.9	1135.9	1168.9	1193.9	1218.9	1226.8
67.5°	992.4	935.5	933.0	930.3	978.6	1026.8	1058.2	1089.4	1111.0	1132.6	1140.3
70°	921.0	880.5	871.6	862.5	905.0	947.3	974.4	1001.3	1020.9	1040.4	1047.8
72.5°	835.8	808.1	794.9	781.8	815.2	848.5	872.9	897.3	916.5	935.5	944.3
75°	731.1	709.7	697.1	684.5	709.3	734.1	756.1	778.3	795.7	813.1	822.3
77.5°	624.1	607.0	594.2	581.4	601.6	621.8	640.7	659.7	678.0	696.3	704.9
80°	500.1	485.6	475.0	464.1	480.9	497.6	513.7	529.7	543.6	557.4	568.8
82.5°	371.4	364.3	356.7	349.1	347.7	346.3	340.7	335.1	364.7	394.3	413.8
85°	241.6	234.1	225.6	217.1	209.9	202.5	187.1	171.6	199.3	227.0	251.1
87.5°	107.0	104.0	102.4	100.9	100.6	100.2	88.5	76.6	88.1	99.8	109.6
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2403.8	2396.4	2389.1	2382.3	2375.3	2366.8	2375.3	2382.3	2389.1	2396.4	2403.8
5°	2257.7	2248.3	2239.0	2231.9	2224.8	2217.8	2224.8	2231.9	2239.0	2248.3	2257.7
7.5°	2169.6	2158.9	2148.3	2141.8	2135.6	2130.8	2135.6	2141.8	2148.3	2158.9	2169.6
10°	2143.0	2132.9	2122.8	2117.3	2112.0	2109.8	2112.0	2117.3	2122.8	2132.9	2143.0
12.5°	2182.3	2171.0	2159.8	2155.2	2150.6	2149.7	2150.6	2155.2	2159.8	2171.0	2182.3
15°	2263.6	2247.9	2232.3	2226.3	2220.3	2219.8	2220.3	2226.3	2232.3	2247.9	2263.6
17.5°	2341.8	2318.7	2295.3	2287.7	2280.0	2278.8	2280.0	2287.7	2295.3	2318.7	2341.8
20°	2389.4	2359.7	2329.8	2320.3	2310.9	2307.8	2310.9	2320.3	2329.8	2359.7	2389.4
22.5°	2391.0	2359.8	2328.4	2317.8	2307.4	2302.9	2307.4	2317.8	2328.4	2359.8	2391.0
25°	2342.6	2315.5	2288.3	2278.5	2268.6	2262.8	2268.6	2278.5	2288.3	2315.5	2342.6
27.5°	2247.8	2229.6	2211.3	2206.8	2202.3	2200.8	2202.3	2206.8	2211.3	2229.6	2247.8
30°	2131.0	2121.6	2112.2	2112.2	2112.2	2113.8	2112.2	2112.2	2112.2	2121.6	2131.0
32.5°	2013.7	2007.7	2001.5	2002.3	2003.3	2004.7	2003.3	2002.3	2001.5	2007.7	2013.7
35°	1910.2	1900.9	1891.6	1889.7	1887.6	1886.7	1887.6	1889.7	1891.6	1900.9	1910.2
37.5°	1822.1	1805.2	1788.4	1779.5	1770.7	1765.7	1770.7	1779.5	1788.4	1805.2	1822.1
40°	1741.5	1716.8	1692.4	1675.8	1659.4	1649.6	1659.4	1675.8	1692.4	1716.8	1741.5
42.5°	1659.6	1629.1	1598.6	1574.5	1550.3	1534.5	1550.3	1574.5	1598.6	1629.1	1659.6
45°	1579.1	1544.2	1509.3	1481.0	1452.7	1434.5	1452.7	1481.0	1509.3	1544.2	1579.1
47.5°	1515.4	1484.3	1453.3	1427.1	1401.0	1383.5	1401.0	1427.1	1453.3	1484.3	1515.4
50°	1477.3	1452.5	1427.7	1403.5	1379.3	1362.5	1379.3	1403.5	1427.7	1452.5	1477.3
52.5°	1451.7	1431.5	1411.3	1389.6	1368.0	1352.5	1368.0	1389.6	1411.3	1431.5	1451.7
55°	1427.7	1410.1	1392.5	1373.5	1354.5	1340.5	1354.5	1373.5	1392.5	1410.1	1427.7
57.5°	1402.3	1384.5	1366.7	1347.9	1329.0	1314.5	1329.0	1347.9	1366.7	1384.5	1402.3
60°	1367.0	1349.6	1332.3	1312.9	1293.4	1278.5	1293.4	1312.9	1332.3	1349.6	1367.0
62.5°	1310.7	1295.0	1279.3	1258.9	1238.4	1220.5	1238.4	1258.9	1279.3	1295.0	1310.7
65°	1234.6	1219.5	1204.5	1184.6	1164.9	1149.4	1164.9	1184.6	1204.5	1219.5	1234.6
67.5°	1147.9	1134.1	1120.2	1101.8	1083.4	1069.4	1083.4	1101.8	1120.2	1134.1	1147.9
70°	1055.1	1043.9	1032.6	1015.0	997.3	981.3	997.3	1015.0	1032.6	1043.9	1055.1
72.5°	953.1	943.7	934.3	917.6	900.9	885.3	900.9	917.6	934.3	943.7	953.1
75°	831.5	826.9	822.3	808.2	794.1	779.3	794.1	808.2	822.3	826.9	831.5
77.5°	713.5	707.0	700.5	686.2	672.1	660.2	672.1	686.2	700.5	707.0	713.5
80°	580.3	577.4	574.7	555.6	536.4	514.1	536.4	555.6	574.7	577.4	580.3
82.5°	433.2	431.9	430.7	414.5	398.3	384.2	398.3	414.5	430.7	431.9	433.2
85°	275.1	273.1	271.1	258.5	245.9	233.1	245.9	258.5	271.1	273.1	275.1
87.5°	119.2	116.8	114.3	107.8	101.3	95.0	101.3	107.8	114.3	116.8	119.2
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: P964472
 CATALOG NUMBER: NAV-SB3C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2413.4	2422.9	2434.7	2446.4	2461.5	2476.7	2491.8	2506.9	2524.1	2541.4	2560.6
5°	2270.7	2283.8	2302.7	2321.3	2345.7	2370.1	2396.9	2423.7	2454.0	2484.4	2520.7
7.5°	2185.2	2200.8	2223.0	2245.3	2275.0	2304.8	2338.6	2372.4	2412.3	2452.4	2500.5
10°	2160.6	2178.0	2204.7	2231.3	2264.8	2298.4	2334.7	2371.0	2411.1	2451.1	2501.9
12.5°	2204.8	2227.3	2261.4	2295.3	2329.9	2364.7	2393.1	2421.7	2448.1	2474.7	2516.1
15°	2297.8	2332.1	2380.5	2428.8	2459.0	2489.1	2496.5	2503.9	2500.3	2496.7	2516.5
17.5°	2392.2	2442.7	2506.8	2570.9	2595.1	2619.5	2596.3	2573.2	2529.5	2485.9	2478.7
20°	2451.1	2512.9	2586.2	2659.5	2670.7	2682.0	2633.4	2584.9	2509.1	2433.4	2399.3
22.5°	2454.8	2518.4	2588.4	2658.4	2651.8	2644.9	2581.9	2518.7	2432.1	2345.6	2295.3
25°	2399.1	2455.7	2513.0	2570.4	2547.3	2524.1	2461.9	2399.8	2322.0	2244.3	2186.3
27.5°	2291.7	2335.7	2376.5	2417.4	2391.4	2365.7	2315.9	2266.1	2202.2	2138.3	2082.3
30°	2162.5	2194.0	2225.2	2256.3	2235.3	2214.3	2172.9	2131.6	2078.6	2025.5	1980.9
32.5°	2038.8	2063.9	2092.6	2121.2	2097.9	2074.6	2034.8	1995.3	1952.8	1910.5	1884.2
35°	1933.3	1956.5	1976.8	1997.2	1969.2	1941.2	1901.9	1862.6	1830.4	1798.2	1790.9
37.5°	1843.6	1864.9	1874.3	1883.6	1849.1	1814.5	1775.2	1736.1	1713.0	1689.8	1697.8
40°	1759.5	1777.7	1775.4	1773.1	1733.3	1693.4	1655.6	1617.8	1601.0	1584.3	1602.5
42.5°	1674.8	1690.1	1678.6	1667.1	1624.1	1581.1	1545.2	1509.3	1495.7	1482.0	1506.0
45°	1592.7	1606.6	1590.1	1573.6	1529.0	1484.3	1450.4	1416.3	1404.7	1393.3	1416.7
47.5°	1525.0	1534.5	1515.6	1496.5	1452.5	1408.6	1375.3	1342.0	1331.3	1320.5	1340.1
50°	1477.7	1478.4	1454.0	1429.6	1390.1	1350.6	1319.4	1288.0	1271.1	1254.3	1271.5
52.5°	1446.5	1441.4	1412.4	1383.5	1346.6	1309.9	1281.2	1252.4	1227.2	1201.9	1219.0
55°	1420.5	1413.3	1382.6	1352.0	1319.9	1287.7	1256.6	1225.6	1189.8	1153.9	1181.0
57.5°	1395.0	1387.7	1356.9	1325.9	1294.1	1262.3	1225.8	1189.4	1150.8	1112.2	1151.8
60°	1358.9	1350.9	1320.0	1288.9	1256.5	1224.3	1182.4	1140.6	1106.8	1072.9	1124.3
62.5°	1303.0	1295.3	1266.9	1238.4	1204.0	1169.4	1120.6	1071.8	1050.4	1028.9	1093.0
65°	1226.8	1218.9	1193.9	1168.9	1135.9	1102.9	1050.6	998.4	990.1	981.8	1050.2
67.5°	1140.3	1132.6	1111.0	1089.4	1058.2	1026.8	978.6	930.3	933.0	935.5	992.4
70°	1047.8	1040.4	1020.9	1001.3	974.4	947.3	905.0	862.5	871.6	880.5	921.0
72.5°	944.3	935.5	916.5	897.3	872.9	848.5	815.2	781.8	794.9	808.1	835.8
75°	822.3	813.1	795.7	778.3	756.1	734.1	709.3	684.5	697.1	709.7	731.1
77.5°	704.9	696.3	678.0	659.7	640.7	621.8	601.6	581.4	594.2	607.0	624.1
80°	568.8	557.4	543.6	529.7	513.7	497.6	480.9	464.1	475.0	485.6	500.1
82.5°	413.8	394.3	364.7	335.1	340.7	346.3	347.7	349.1	356.7	364.3	371.4
85°	251.1	227.0	199.3	171.6	187.1	202.5	209.9	217.1	225.6	234.1	241.6
87.5°	109.6	99.8	88.1	76.6	88.5	100.2	100.6	100.9	102.4	104.0	107.0
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: P964472
 CATALOG NUMBER: NAV-SB3C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2579.7	2603.4	2624.7	2646.8	2668.8	2691.8	2714.8	2737.6	2760.5	2782.1	2803.5
5°	2557.0	2598.5	2640.5	2685.0	2729.5	2777.1	2824.8	2872.2	2919.5	2967.1	3014.6
7.5°	2548.8	2602.5	2659.8	2721.9	2784.0	2854.5	2925.0	2997.5	3069.9	3148.3	3226.7
10°	2552.8	2610.5	2681.2	2754.8	2828.2	2914.0	2999.6	3095.2	3190.9	3290.0	3389.3
12.5°	2557.7	2611.5	2685.8	2768.9	2852.1	2953.0	3054.1	3162.5	3271.0	3379.8	3488.8
15°	2536.5	2579.4	2661.7	2758.0	2854.2	2970.6	3086.9	3204.6	3322.2	3435.7	3549.3
17.5°	2471.4	2497.9	2594.8	2710.5	2826.2	2961.2	3096.3	3224.6	3353.0	3468.2	3583.3
20°	2365.4	2372.4	2485.1	2628.5	2772.0	2935.7	3099.3	3240.3	3381.4	3501.2	3620.8
22.5°	2245.1	2231.3	2359.7	2532.5	2705.2	2904.2	3103.3	3261.5	3419.7	3542.1	3664.4
25°	2128.3	2091.3	2222.8	2425.0	2627.5	2873.3	3119.2	3300.0	3480.8	3600.5	3720.3
27.5°	2026.2	1981.2	2100.9	2327.0	2553.0	2852.6	3152.2	3360.1	3567.8	3682.1	3796.4
30°	1936.5	1901.2	2001.7	2245.0	2488.1	2842.8	3197.4	3437.7	3678.1	3788.5	3898.9
32.5°	1857.9	1842.1	1923.2	2174.2	2425.0	2830.8	3236.3	3518.8	3801.4	3910.6	4019.9
35°	1783.6	1790.2	1857.7	2104.6	2351.7	2808.2	3264.9	3611.3	3957.6	4062.4	4167.0
37.5°	1705.8	1729.6	1788.6	2022.8	2257.0	2769.5	3281.9	3714.8	4147.7	4281.1	4414.6
40°	1620.6	1657.1	1710.6	1925.2	2139.8	2716.1	3292.7	3846.3	4399.8	4594.3	4788.7
42.5°	1530.0	1576.0	1625.3	1817.4	2009.5	2661.2	3313.0	4018.2	4723.5	5004.3	5284.9
45°	1440.0	1484.5	1534.5	1703.0	1871.4	2610.1	3348.7	4244.5	5140.4	5519.0	5897.6
47.5°	1359.7	1398.0	1462.6	1612.5	1762.5	2567.8	3373.2	4485.6	5598.0	6131.0	6663.9
50°	1288.9	1333.5	1418.3	1552.4	1686.4	2521.8	3357.2	4709.3	6061.4	6864.8	7668.2
52.5°	1236.3	1298.5	1396.0	1512.8	1629.5	2444.1	3258.7	4854.6	6450.3	7635.7	8821.2
55°	1208.3	1302.0	1392.7	1484.0	1575.3	2315.3	3055.1	4822.5	6589.9	8319.2	10048.6
57.5°	1191.5	1305.4	1385.5	1450.1	1514.5	2133.5	2752.5	4597.2	6442.1	8803.6	11165.0
60°	1175.7	1294.5	1347.3	1398.0	1448.7	1897.7	2346.6	4178.0	6009.4	8924.7	11839.8
62.5°	1157.2	1267.4	1274.0	1307.6	1341.3	1615.4	1889.5	3611.1	5332.8	8414.9	11497.1
65°	1118.4	1202.4	1201.6	1217.5	1233.5	1361.4	1489.3	3032.7	4576.1	7693.8	10811.4
67.5°	1049.2	1096.4	1098.6	1089.8	1080.9	1117.4	1153.6	2466.0	3778.6	6835.6	9892.6
70°	961.3	976.8	976.8	935.7	894.5	884.3	873.8	1941.7	3009.6	5899.2	8788.7
72.5°	863.6	863.4	853.5	795.2	736.8	705.4	674.0	1484.4	2294.9	4883.9	7473.2
75°	752.5	756.2	711.0	645.6	580.3	551.8	523.4	1077.4	1631.4	3720.2	5809.1
77.5°	641.2	643.2	568.7	505.2	441.7	422.3	402.9	730.1	1057.2	2603.8	4150.5
80°	514.3	514.7	425.7	372.0	318.2	310.1	302.1	470.4	638.8	1677.6	2716.5
82.5°	378.3	374.1	298.1	258.5	218.8	217.3	215.9	289.3	363.0	971.0	1579.1
85°	249.1	243.5	187.1	158.1	129.0	129.9	130.6	154.7	178.9	436.8	694.7
87.5°	110.1	103.0	79.5	67.6	55.9	56.5	57.2	64.2	71.0	143.1	215.0
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: P964472
 CATALOG NUMBER: NAV-SB3C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2814.1	2824.8	2840.0	2855.0	2864.1	2873.1	2877.6	2882.0	2880.0	2882.0	2877.6
5°	3051.7	3088.9	3125.7	3162.6	3182.6	3202.6	3214.8	3227.0	3236.1	3227.0	3214.8
7.5°	3287.1	3347.4	3401.8	3456.1	3488.8	3521.5	3539.2	3556.7	3565.3	3556.7	3539.2
10°	3460.6	3532.0	3595.8	3659.6	3698.1	3736.5	3753.8	3770.9	3777.3	3770.9	3753.8
12.5°	3566.2	3643.6	3701.2	3758.6	3786.6	3814.5	3824.0	3833.4	3834.4	3833.4	3824.0
15°	3616.1	3682.8	3718.9	3755.2	3756.1	3757.1	3747.2	3737.2	3725.4	3737.2	3747.2
17.5°	3628.4	3673.5	3674.2	3674.8	3634.3	3593.8	3556.6	3519.4	3493.3	3519.4	3556.6
20°	3636.5	3652.3	3604.8	3557.3	3467.9	3378.4	3313.3	3248.2	3208.1	3248.2	3313.3
22.5°	3643.7	3623.1	3524.7	3426.3	3294.7	3163.1	3081.8	3000.3	2956.1	3000.3	3081.8
25°	3655.4	3590.3	3440.8	3291.4	3131.7	2971.9	2886.2	2800.8	2759.0	2800.8	2886.2
27.5°	3680.2	3563.8	3365.8	3168.0	2990.8	2813.8	2729.6	2645.4	2606.0	2645.4	2729.6
30°	3725.6	3552.2	3308.6	3065.0	2880.5	2696.0	2617.8	2539.7	2502.9	2539.7	2617.8
32.5°	3782.6	3545.3	3269.5	2993.9	2820.5	2647.2	2585.9	2524.4	2497.9	2524.4	2585.9
35°	3876.6	3586.1	3298.8	3011.6	2891.1	2770.8	2756.5	2742.2	2740.0	2742.2	2756.5
37.5°	4072.8	3731.1	3470.0	3209.0	3201.2	3193.4	3258.8	3324.2	3358.2	3324.2	3258.8
40°	4417.1	4045.5	3851.3	3657.1	3794.1	3931.2	4090.3	4249.3	4328.6	4249.3	4090.3
42.5°	4916.2	4547.4	4435.6	4323.8	4622.6	4921.5	5210.9	5500.2	5670.1	5500.2	5210.9
45°	5566.4	5235.1	5185.8	5136.4	5615.3	6094.2	6569.5	7045.0	7333.7	7045.0	6569.5
47.5°	6341.7	6019.4	6009.4	5999.3	6690.2	7380.8	8076.8	8772.7	9181.3	8772.7	8076.8
50°	7270.2	6872.3	6874.0	6875.7	7766.0	8656.3	9574.9	10493.6	11049.0	10493.6	9574.9
52.5°	8339.2	7857.3	7808.7	7759.8	8823.3	9886.7	11023.4	12159.9	12825.6	12159.9	11023.4
55°	9572.5	9096.3	8906.3	8716.4	9900.0	11083.5	12438.5	13793.5	14585.2	13793.5	12438.5
57.5°	10905.8	10646.4	10265.3	9884.4	11079.5	12274.7	13809.4	15344.0	16325.9	15344.0	13809.4
60°	12242.5	12645.4	12172.2	11699.0	12830.0	13961.0	15604.3	17247.5	18308.7	17247.5	15604.3
62.5°	12597.7	13698.2	13644.8	13591.4	14627.5	15663.6	17227.1	18790.3	19771.1	18790.3	17227.1
65°	11844.3	12877.2	13081.6	13285.8	14602.5	15919.3	17435.2	18951.0	19786.2	18951.0	17435.2
67.5°	10874.9	11857.3	11953.1	12048.9	13420.7	14792.6	16315.0	17837.5	18491.7	17837.5	16315.0
70°	9857.1	10925.8	10968.5	11011.5	12238.3	13465.1	14775.3	16085.3	16449.0	16085.3	14775.3
72.5°	8699.4	9925.6	9956.4	9987.1	10947.0	11906.8	12888.0	13869.2	13906.1	13869.2	12888.0
75°	7078.1	8347.2	8461.2	8575.2	9321.9	10068.7	10759.4	11450.2	11265.1	11450.2	10759.4
77.5°	5335.1	6519.8	6682.9	6846.0	7413.7	7981.4	8471.2	8961.3	8643.1	8961.3	8471.2
80°	3713.2	4709.7	4912.4	5115.1	5543.8	5972.4	6229.6	6486.8	5975.1	6486.8	6229.6
82.5°	2260.4	2941.9	3168.3	3394.7	3689.8	3984.9	4092.3	4199.5	3797.4	4199.5	4092.3
85°	1056.4	1418.0	1610.6	1803.2	2045.6	2288.0	2349.0	2409.9	2087.7	2409.9	2349.0
87.5°	336.6	458.2	565.6	673.0	794.3	915.5	920.8	925.9	777.3	925.9	920.8
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: P964472
 CATALOG NUMBER: NAV-SB3C-722-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0	2607.0
2.5°	2873.1	2864.1	2855.0	2840.0	2824.8	2814.1	2803.5
5°	3202.6	3182.6	3162.6	3125.7	3088.9	3051.7	3014.6
7.5°	3521.5	3488.8	3456.1	3401.8	3347.4	3287.1	3226.7
10°	3736.5	3698.1	3659.6	3595.8	3532.0	3460.6	3389.3
12.5°	3814.5	3786.6	3758.6	3701.2	3643.6	3566.2	3488.8
15°	3757.1	3756.1	3755.2	3718.9	3682.8	3616.1	3549.3
17.5°	3593.8	3634.3	3674.8	3674.2	3673.5	3628.4	3583.3
20°	3378.4	3467.9	3557.3	3604.8	3652.3	3636.5	3620.8
22.5°	3163.1	3294.7	3426.3	3524.7	3623.1	3643.7	3664.4
25°	2971.9	3131.7	3291.4	3440.8	3590.3	3655.4	3720.3
27.5°	2813.8	2990.8	3168.0	3365.8	3563.8	3680.2	3796.4
30°	2696.0	2880.5	3065.0	3308.6	3552.2	3725.6	3898.9
32.5°	2647.2	2820.5	2993.9	3269.5	3545.3	3782.6	4019.9
35°	2770.8	2891.1	3011.6	3298.8	3586.1	3876.6	4167.0
37.5°	3193.4	3201.2	3209.0	3470.0	3731.1	4072.8	4414.6
40°	3931.2	3794.1	3657.1	3851.3	4045.5	4417.1	4788.7
42.5°	4921.5	4622.6	4323.8	4435.6	4547.4	4916.2	5284.9
45°	6094.2	5615.3	5136.4	5185.8	5235.1	5566.4	5897.6
47.5°	7380.8	6690.2	5999.3	6009.4	6019.4	6341.7	6663.9
50°	8656.3	7766.0	6875.7	6874.0	6872.3	7270.2	7668.2
52.5°	9886.7	8823.3	7759.8	7808.7	7857.3	8339.2	8821.2
55°	11083.5	9900.0	8716.4	8906.3	9096.3	9572.5	10048.6
57.5°	12274.7	11079.5	9884.4	10265.3	10646.4	10905.8	11165.0
60°	13961.0	12830.0	11699.0	12172.2	12645.4	12242.5	11839.8
62.5°	15663.6	14627.5	13591.4	13644.8	13698.2	12597.7	11497.1
65°	15919.3	14602.5	13285.8	13081.6	12877.2	11844.3	10811.4
67.5°	14792.6	13420.7	12048.9	11953.1	11857.3	10874.9	9892.6
70°	13465.1	12238.3	11011.5	10968.5	10925.8	9857.1	8788.7
72.5°	11906.8	10947.0	9987.1	9956.4	9925.6	8699.4	7473.2
75°	10068.7	9321.9	8575.2	8461.2	8347.2	7078.1	5809.1
77.5°	7981.4	7413.7	6846.0	6682.9	6519.8	5335.1	4150.5
80°	5972.4	5543.8	5115.1	4912.4	4709.7	3713.2	2716.5
82.5°	3984.9	3689.8	3394.7	3168.3	2941.9	2260.4	1579.1
85°	2288.0	2045.6	1803.2	1610.6	1418.0	1056.4	694.7
87.5°	915.5	794.3	673.0	565.6	458.2	336.6	215.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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