

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: P964007

Luminaire Tested: **NAV-SB3B-730-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964007
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-SB3B-730-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 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: 17255.9 lumens
Efficiency: N/A
Efficacy: 158.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

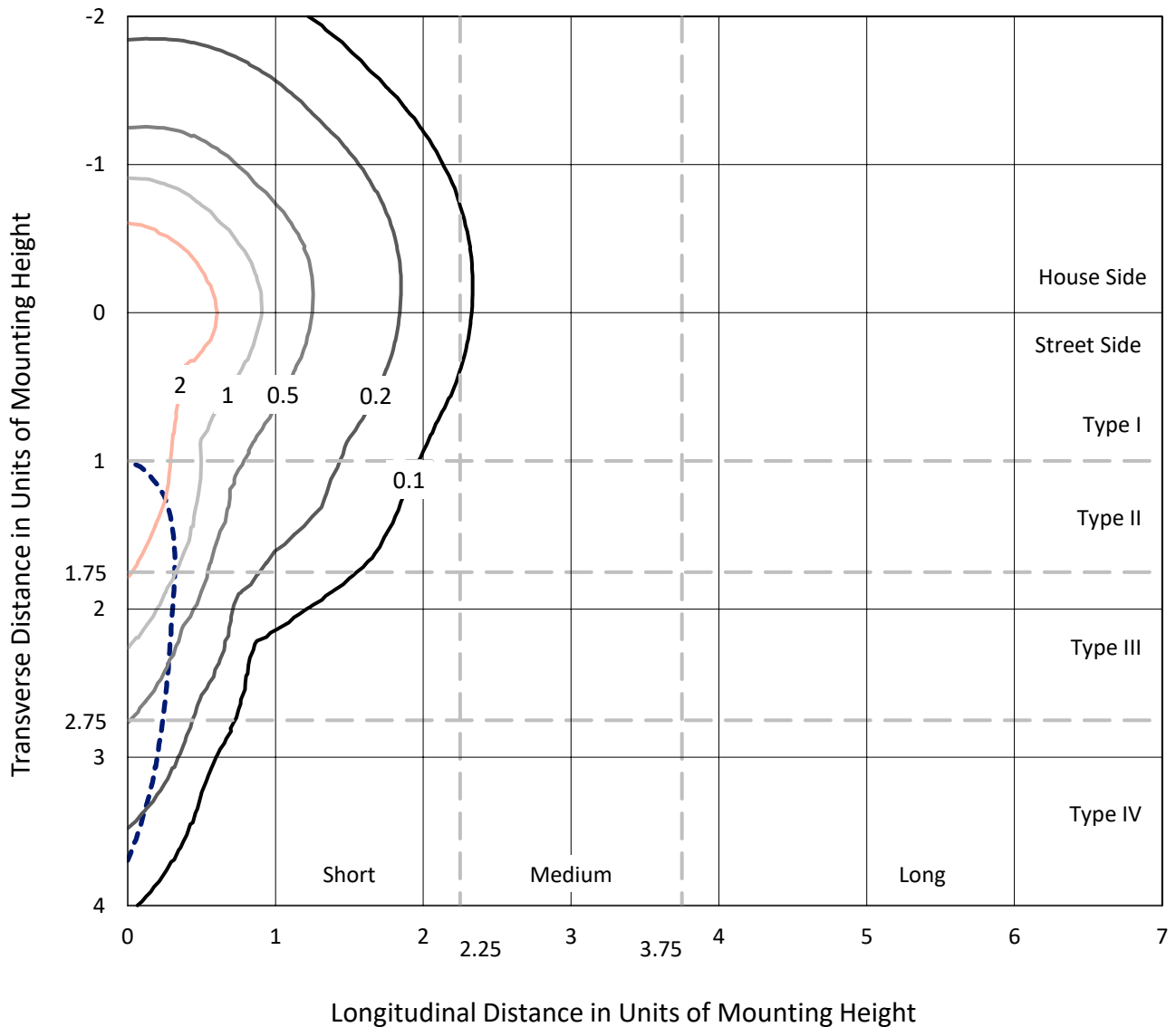
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

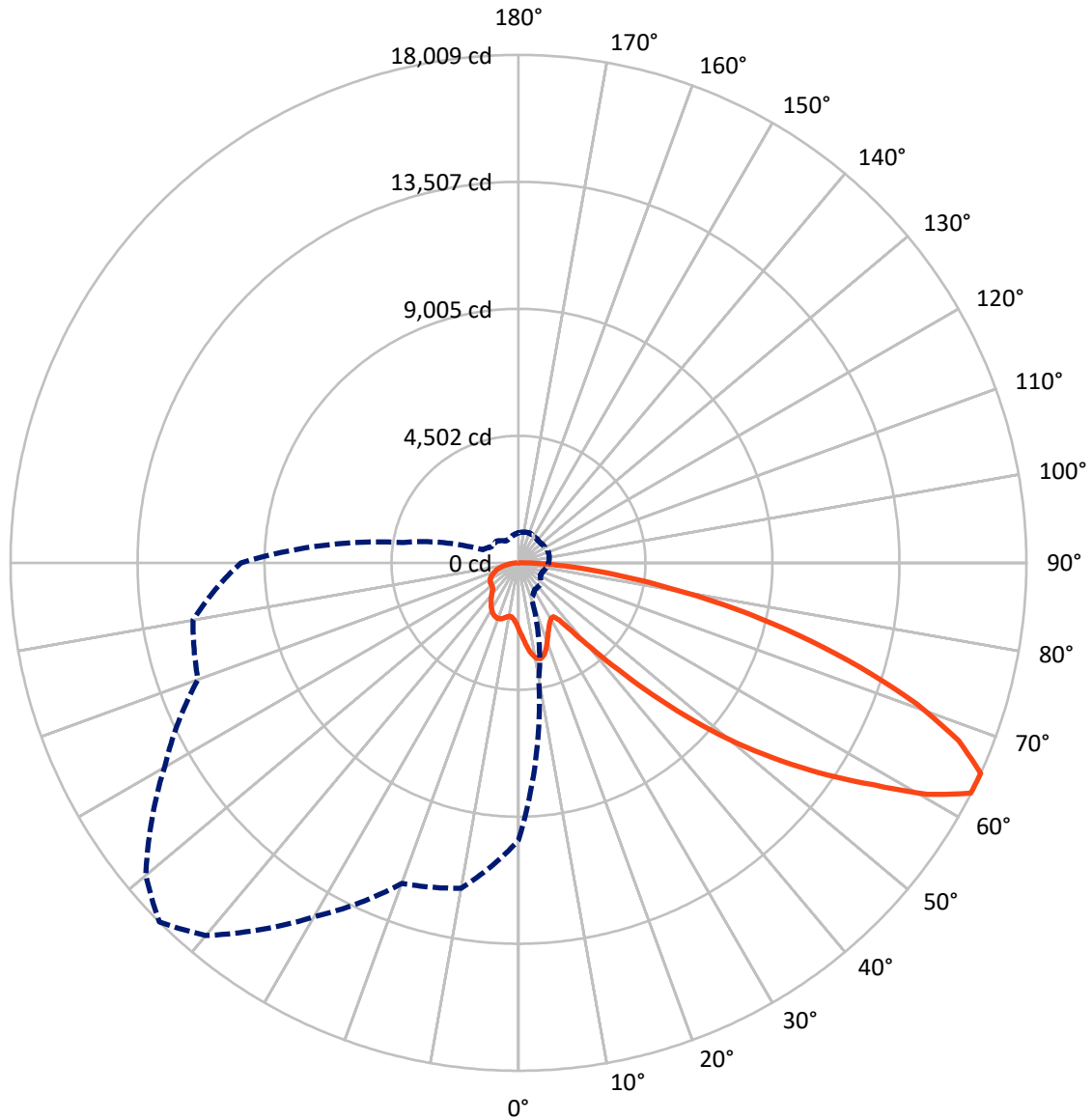
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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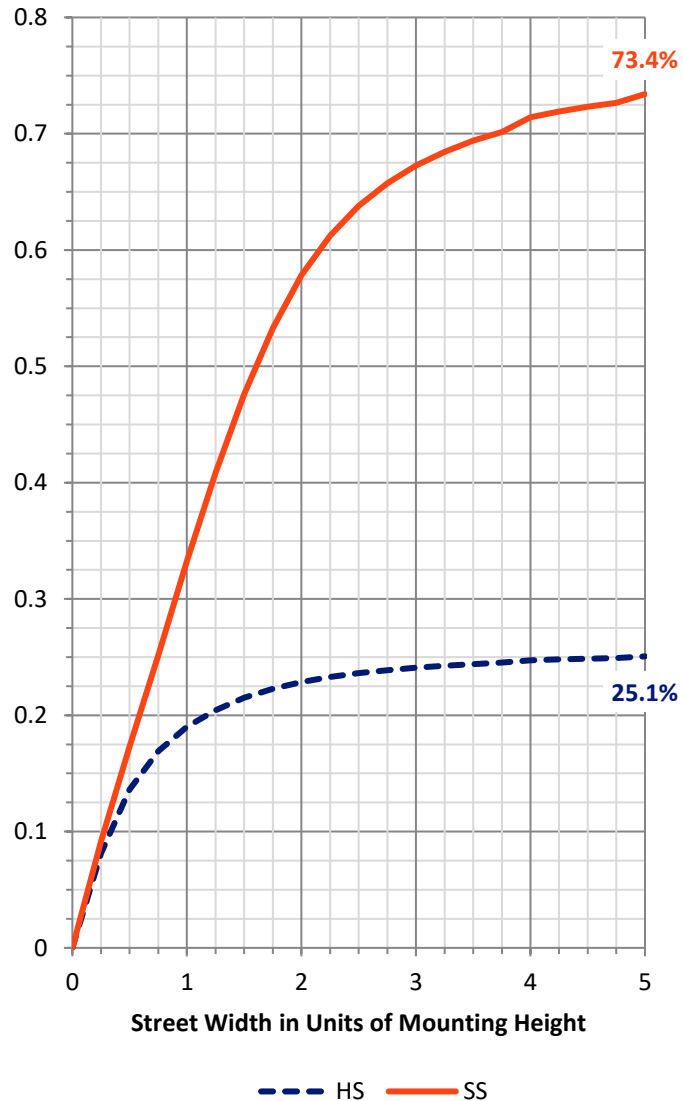
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4385.6	0.0	4385.6
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	12870.3	0.0	12870.3
	% Fixture	74.6	0.0	74.6
Total	Lumens	17255.9	0.0	17255.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.4	1.4
10°-20°	738.9	4.3
20°-30°	1141.4	6.6
30°-40°	1446.4	8.4
40°-50°	2181.5	12.6
50°-60°	3524.6	20.4
60°-70°	4394.0	25.5
70°-80°	2881.4	16.7
80°-90°	712.3	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°	17255.9	100.0
0°-180°	17255.9	100.0

Coefficient of Utilization



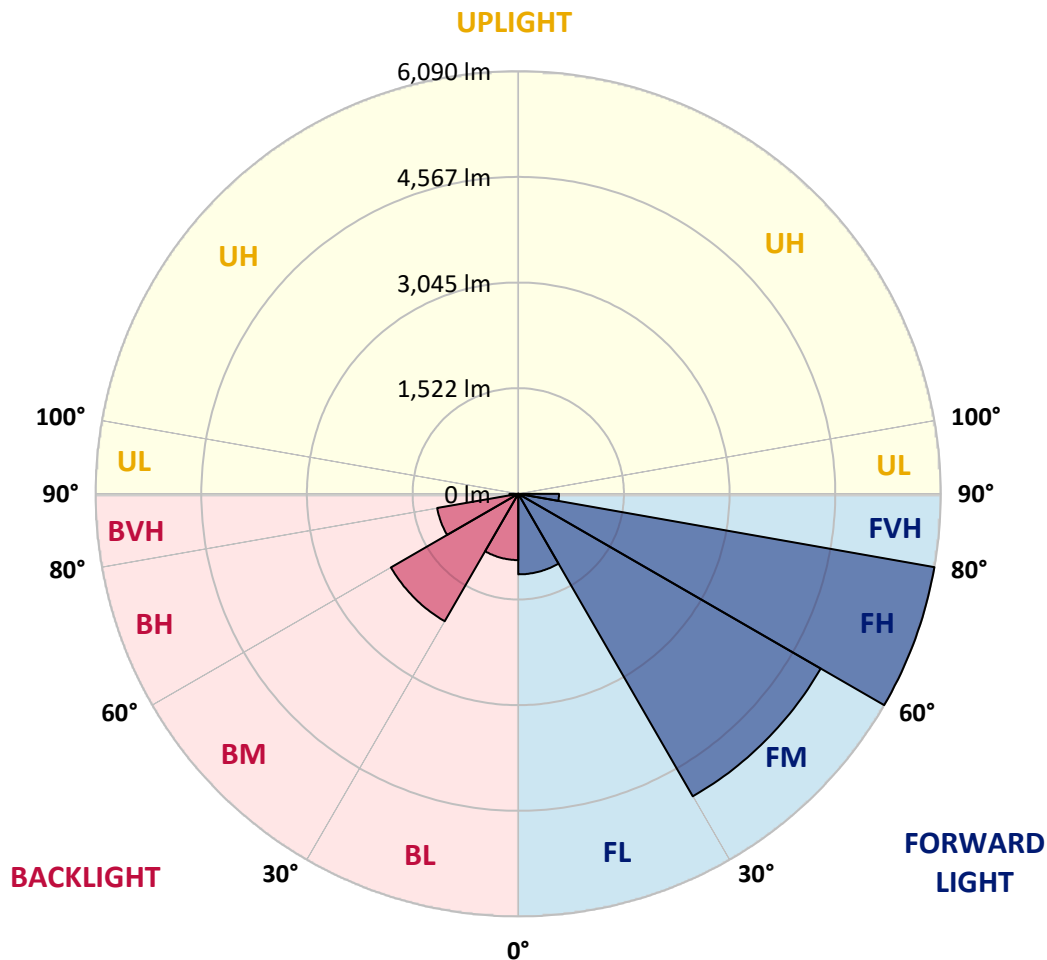
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1160.7	6.7			
FM	(30°-60°)	5033.2	29.2			
FH	(60°-80°)	6089.7	35.3			G3/7500
FVH	(80°-90°)	586.8	3.4			G4/750
BL	(0°-30°)	955.0	5.5	B2/1000		
BM	(30°-60°)	2119.4	12.3	B2/2500		
BH	(60°-80°)	1185.7	6.9	B3/2500		G3/2500
BVH	(80°-90°)	125.5	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°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2551.7	2532.2	2512.6	2491.8	2471.0	2450.1	2429.1	2409.1	2389.1	2369.6	2348.1
5°	2743.8	2700.7	2657.4	2614.3	2571.1	2527.8	2484.4	2443.8	2403.3	2365.1	2327.3
7.5°	2936.9	2865.5	2794.3	2728.3	2662.3	2598.2	2534.0	2477.4	2420.9	2368.8	2319.9
10°	3084.8	2994.6	2904.4	2817.2	2730.2	2652.3	2574.3	2507.5	2440.4	2376.1	2323.5
12.5°	3175.4	3076.3	2977.2	2878.5	2779.8	2687.9	2595.9	2520.3	2444.6	2377.0	2328.1
15°	3230.6	3127.2	3023.9	2916.7	2809.7	2703.8	2597.9	2510.3	2422.7	2347.8	2308.6
17.5°	3261.5	3156.7	3051.9	2935.1	2818.2	2695.3	2572.4	2467.1	2361.7	2273.6	2249.5
20°	3295.7	3186.7	3077.8	2949.3	2821.0	2672.1	2523.0	2392.5	2262.0	2159.3	2152.9
22.5°	3335.2	3224.0	3112.6	2968.7	2824.6	2643.5	2462.3	2305.0	2147.8	2030.9	2043.4
25°	3386.3	3277.1	3168.2	3003.7	2839.0	2615.2	2391.5	2207.3	2023.1	1903.4	1937.1
27.5°	3455.5	3351.4	3247.4	3058.3	2869.1	2596.3	2323.7	2118.0	1912.2	1803.3	1844.3
30°	3548.8	3448.3	3347.9	3129.0	2910.2	2587.5	2264.6	2043.3	1821.9	1730.4	1762.6
32.5°	3658.9	3559.4	3460.0	3202.8	2945.7	2576.6	2207.3	1979.0	1750.5	1676.7	1691.0
35°	3792.8	3697.6	3602.3	3287.0	2971.8	2556.0	2140.5	1915.6	1690.8	1629.3	1623.5
37.5°	4018.1	3896.6	3775.2	3381.3	2987.3	2520.8	2054.3	1841.2	1628.0	1574.3	1552.7
40°	4358.7	4181.7	4004.7	3500.9	2997.0	2472.3	1947.6	1752.3	1557.0	1508.3	1475.1
42.5°	4810.3	4554.8	4299.4	3657.4	3015.4	2422.2	1829.1	1654.2	1479.4	1434.5	1392.7
45°	5368.0	5023.4	4678.7	3863.3	3047.9	2375.6	1703.4	1550.1	1396.8	1351.3	1310.7
47.5°	6065.4	5580.4	5095.3	4082.8	3070.3	2337.2	1604.1	1467.7	1331.2	1272.4	1237.6
50°	6979.6	6248.4	5517.1	4286.3	3055.7	2295.4	1534.9	1413.0	1291.0	1213.7	1173.2
52.5°	8029.0	6950.0	5871.1	4418.6	2966.0	2224.6	1483.3	1376.9	1270.6	1181.8	1125.2
55°	9146.3	7572.1	5998.1	4389.5	2780.7	2107.3	1433.9	1350.7	1267.6	1185.0	1099.7
57.5°	10162.4	8013.0	5863.6	4184.5	2505.3	1942.0	1378.5	1319.8	1261.1	1188.3	1084.4
60°	10776.5	8123.1	5469.7	3802.9	2135.9	1727.2	1318.7	1272.4	1226.3	1178.2	1070.1
62.5°	10464.6	7659.2	4853.8	3286.9	1719.8	1470.4	1220.9	1190.1	1159.6	1153.6	1053.3
65°	9840.5	7002.9	4165.2	2760.3	1355.6	1239.1	1122.7	1108.2	1093.7	1094.5	1017.9
67.5°	9004.2	6221.7	3439.3	2244.6	1050.0	1017.0	983.8	991.9	1000.0	997.9	955.0
70°	7999.4	5369.4	2739.3	1767.3	795.3	804.8	814.2	851.7	889.1	889.1	875.0
72.5°	6802.1	4445.3	2088.7	1351.2	613.5	642.1	670.6	723.8	776.8	785.8	786.0
75°	5287.5	3386.2	1484.9	980.6	476.4	502.2	528.1	587.6	647.2	688.4	684.9
77.5°	3777.7	2370.0	962.3	664.5	366.7	384.4	402.0	459.8	517.6	585.5	583.6
80°	2472.5	1526.9	581.4	428.1	275.0	282.3	289.6	338.6	387.4	468.4	468.2
82.5°	1437.3	883.8	330.4	263.3	196.5	197.7	199.3	235.2	271.3	340.5	344.4
85°	632.3	397.5	162.8	140.7	118.8	118.2	117.5	143.9	170.3	221.7	226.7
87.5°	195.8	130.2	64.7	58.3	52.1	51.5	50.8	61.6	72.4	93.8	100.1
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°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2330.5	2313.2	2297.4	2281.8	2268.0	2254.3	2240.4	2226.7	2216.0	2205.3	2196.7
5°	2294.4	2261.3	2233.6	2206.0	2181.6	2157.2	2135.1	2112.8	2095.8	2078.7	2066.8
7.5°	2275.9	2232.1	2195.8	2159.3	2128.6	2097.9	2070.7	2043.6	2023.4	2003.2	1988.9
10°	2277.2	2231.0	2194.5	2158.1	2125.0	2091.9	2061.5	2030.9	2006.7	1982.4	1966.6
12.5°	2290.2	2252.4	2228.2	2204.2	2178.1	2152.3	2120.7	2089.2	2058.2	2027.2	2006.8
15°	2290.6	2272.5	2275.8	2279.1	2272.3	2265.6	2238.2	2210.7	2166.6	2122.6	2091.5
17.5°	2256.1	2262.7	2302.4	2342.0	2363.1	2384.3	2362.1	2340.1	2281.6	2223.3	2177.4
20°	2183.9	2214.8	2283.8	2352.8	2397.0	2441.1	2430.9	2420.6	2353.9	2287.3	2231.0
22.5°	2089.2	2135.0	2213.7	2292.5	2350.0	2407.4	2413.7	2419.7	2356.0	2292.2	2234.3
25°	1989.9	2042.7	2113.5	2184.4	2240.9	2297.4	2318.5	2339.6	2287.3	2235.1	2183.7
27.5°	1895.2	1946.3	2004.4	2062.5	2107.9	2153.2	2176.7	2200.3	2163.1	2125.8	2085.9
30°	1803.0	1843.7	1891.8	1940.1	1977.7	2015.5	2034.5	2053.7	2025.4	1997.0	1968.4
32.5°	1714.9	1738.9	1777.5	1816.1	1852.1	1888.3	1909.5	1930.8	1904.8	1878.6	1855.8
35°	1630.1	1636.7	1666.0	1695.4	1731.1	1766.9	1792.4	1817.8	1799.3	1780.8	1759.7
37.5°	1545.4	1538.0	1559.2	1580.2	1615.8	1651.5	1683.0	1714.5	1706.0	1697.4	1678.0
40°	1458.6	1442.1	1457.3	1472.5	1507.0	1541.3	1577.6	1613.9	1616.0	1618.0	1601.6
42.5°	1370.8	1348.9	1361.3	1373.8	1406.4	1439.1	1478.3	1517.4	1527.9	1538.3	1524.4
45°	1289.3	1268.1	1278.6	1289.1	1320.1	1351.1	1391.6	1432.2	1447.3	1462.3	1449.8
47.5°	1219.8	1201.9	1211.8	1221.5	1251.8	1282.1	1322.0	1362.1	1379.4	1396.8	1388.1
50°	1157.3	1141.6	1156.9	1172.3	1200.9	1229.4	1265.3	1301.1	1323.4	1345.6	1345.0
52.5°	1109.6	1094.0	1117.0	1140.0	1166.2	1192.4	1225.8	1259.2	1285.6	1311.9	1316.6
55°	1074.9	1050.3	1083.0	1115.6	1143.8	1172.0	1201.3	1230.6	1258.4	1286.4	1292.9
57.5°	1048.4	1012.3	1047.4	1082.6	1115.7	1148.9	1177.8	1206.9	1235.0	1263.1	1269.8
60°	1023.4	976.5	1007.4	1038.2	1076.2	1114.3	1143.7	1173.2	1201.4	1229.7	1237.0
62.5°	994.9	936.4	956.0	975.6	1020.0	1064.4	1095.8	1127.2	1153.1	1179.0	1185.9
65°	955.9	893.7	901.3	908.7	956.2	1003.9	1033.9	1063.9	1086.7	1109.5	1116.6
67.5°	903.2	851.6	849.1	846.8	890.7	934.7	963.2	991.6	1011.3	1030.9	1037.9
70°	838.2	801.4	793.2	785.0	823.7	862.2	886.8	911.4	929.2	947.0	953.7
72.5°	760.8	735.5	723.5	711.6	742.0	772.3	794.5	816.7	834.1	851.6	859.6
75°	665.5	646.1	634.6	623.0	645.5	668.1	688.3	708.4	724.3	740.0	748.5
77.5°	568.1	552.5	540.9	529.2	547.6	565.9	583.2	600.4	617.2	633.8	641.5
80°	455.2	442.1	432.3	422.5	437.8	452.9	467.6	482.2	494.8	507.4	517.7
82.5°	337.9	331.6	324.7	317.8	316.5	315.2	310.2	305.0	332.0	359.0	376.6
85°	219.9	213.1	205.3	197.6	191.1	184.4	170.3	156.1	181.4	206.6	228.6
87.5°	97.5	94.7	93.3	91.7	91.5	91.2	80.5	69.7	80.3	90.9	99.7
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°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2188.0	2181.3	2174.5	2168.3	2162.0	2154.3	2162.0	2168.3	2174.5	2181.3	2188.0
5°	2054.9	2046.4	2037.9	2031.4	2025.0	2018.6	2025.0	2031.4	2037.9	2046.4	2054.9
7.5°	1974.8	1965.0	1955.4	1949.5	1943.8	1939.4	1943.8	1949.5	1955.4	1965.0	1974.8
10°	1950.6	1941.4	1932.1	1927.2	1922.3	1920.3	1922.3	1927.2	1932.1	1941.4	1950.6
12.5°	1986.3	1976.0	1965.8	1961.6	1957.4	1956.7	1957.4	1961.6	1965.8	1976.0	1986.3
15°	2060.4	2046.0	2031.9	2026.4	2020.9	2020.5	2020.9	2026.4	2031.9	2046.0	2060.4
17.5°	2131.6	2110.4	2089.2	2082.3	2075.3	2074.2	2075.3	2082.3	2089.2	2110.4	2131.6
20°	2174.7	2147.8	2120.6	2112.0	2103.3	2100.6	2103.3	2112.0	2120.6	2147.8	2174.7
22.5°	2176.4	2147.9	2119.3	2109.7	2100.1	2096.0	2100.1	2109.7	2119.3	2147.9	2176.4
25°	2132.3	2107.5	2082.8	2073.8	2064.9	2059.6	2064.9	2073.8	2082.8	2107.5	2132.3
27.5°	2046.0	2029.4	2012.7	2008.6	2004.5	2003.2	2004.5	2008.6	2012.7	2029.4	2046.0
30°	1939.6	1931.1	1922.6	1922.6	1922.6	1923.9	1922.6	1922.6	1922.6	1931.1	1939.6
32.5°	1832.9	1827.4	1821.7	1822.6	1823.4	1824.7	1823.4	1822.6	1821.7	1827.4	1832.9
35°	1738.6	1730.2	1721.8	1720.0	1718.2	1717.3	1718.2	1720.0	1721.8	1730.2	1738.6
37.5°	1658.6	1643.2	1627.8	1619.7	1611.6	1607.1	1611.6	1619.7	1627.8	1643.2	1658.6
40°	1585.1	1562.6	1540.5	1525.3	1510.3	1501.4	1510.3	1525.3	1540.5	1562.6	1585.1
42.5°	1510.5	1482.8	1455.0	1433.1	1411.1	1396.8	1411.1	1433.1	1455.0	1482.8	1510.5
45°	1437.3	1405.5	1373.8	1348.1	1322.2	1305.6	1322.2	1348.1	1373.8	1405.5	1437.3
47.5°	1379.2	1351.1	1322.8	1299.0	1275.2	1259.2	1275.2	1299.0	1322.8	1351.1	1379.2
50°	1344.7	1322.0	1299.5	1277.5	1255.4	1240.1	1255.4	1277.5	1299.5	1322.0	1344.7
52.5°	1321.3	1303.0	1284.5	1264.8	1245.2	1231.0	1245.2	1264.8	1284.5	1303.0	1321.3
55°	1299.5	1283.5	1267.4	1250.2	1232.9	1220.1	1232.9	1250.2	1267.4	1283.5	1299.5
57.5°	1276.3	1260.1	1243.9	1226.8	1209.6	1196.5	1209.6	1226.8	1243.9	1260.1	1276.3
60°	1244.2	1228.4	1212.7	1194.9	1177.3	1163.7	1177.3	1194.9	1212.7	1228.4	1244.2
62.5°	1193.0	1178.6	1164.4	1145.8	1127.2	1110.8	1127.2	1145.8	1164.4	1178.6	1193.0
65°	1123.8	1110.0	1096.2	1078.2	1060.3	1046.2	1060.3	1078.2	1096.2	1110.0	1123.8
67.5°	1044.8	1032.2	1019.6	1002.9	986.0	973.3	986.0	1002.9	1019.6	1032.2	1044.8
70°	960.4	950.2	939.8	923.8	907.8	893.2	907.8	923.8	939.8	950.2	960.4
72.5°	867.6	859.0	850.4	835.2	819.9	805.9	819.9	835.2	850.4	859.0	867.6
75°	756.9	752.7	748.5	735.6	722.7	709.3	722.7	735.6	748.5	752.7	756.9
77.5°	649.3	643.6	637.6	624.6	611.7	601.0	611.7	624.6	637.6	643.6	649.3
80°	528.1	525.5	523.1	505.7	488.2	468.0	488.2	505.7	523.1	525.5	528.1
82.5°	394.2	393.2	392.0	377.3	362.5	349.6	362.5	377.3	392.0	393.2	394.2
85°	250.4	248.6	246.7	235.2	223.8	212.2	223.8	235.2	246.7	248.6	250.4
87.5°	108.5	106.4	103.9	98.2	92.1	86.5	92.1	98.2	103.9	106.4	108.5
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: P964007
 CATALOG NUMBER: NAV-SB3B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2196.7	2205.3	2216.0	2226.7	2240.4	2254.3	2268.0	2281.8	2297.4	2313.2	2330.5
5°	2066.8	2078.7	2095.8	2112.8	2135.1	2157.2	2181.6	2206.0	2233.6	2261.3	2294.4
7.5°	1988.9	2003.2	2023.4	2043.6	2070.7	2097.9	2128.6	2159.3	2195.8	2232.1	2275.9
10°	1966.6	1982.4	2006.7	2030.9	2061.5	2091.9	2125.0	2158.1	2194.5	2231.0	2277.2
12.5°	2006.8	2027.2	2058.2	2089.2	2120.7	2152.3	2178.1	2204.2	2228.2	2252.4	2290.2
15°	2091.5	2122.6	2166.6	2210.7	2238.2	2265.6	2272.3	2279.1	2275.8	2272.5	2290.6
17.5°	2177.4	2223.3	2281.6	2340.1	2362.1	2384.3	2363.1	2342.0	2302.4	2262.7	2256.1
20°	2231.0	2287.3	2353.9	2420.6	2430.9	2441.1	2397.0	2352.8	2283.8	2214.8	2183.9
22.5°	2234.3	2292.2	2356.0	2419.7	2413.7	2407.4	2350.0	2292.5	2213.7	2135.0	2089.2
25°	2183.7	2235.1	2287.3	2339.6	2318.5	2297.4	2240.9	2184.4	2113.5	2042.7	1989.9
27.5°	2085.9	2125.8	2163.1	2200.3	2176.7	2153.2	2107.9	2062.5	2004.4	1946.3	1895.2
30°	1968.4	1997.0	2025.4	2053.7	2034.5	2015.5	1977.7	1940.1	1891.8	1843.7	1803.0
32.5°	1855.8	1878.6	1904.8	1930.8	1909.5	1888.3	1852.1	1816.1	1777.5	1738.9	1714.9
35°	1759.7	1780.8	1799.3	1817.8	1792.4	1766.9	1731.1	1695.4	1666.0	1636.7	1630.1
37.5°	1678.0	1697.4	1706.0	1714.5	1683.0	1651.5	1615.8	1580.2	1559.2	1538.0	1545.4
40°	1601.6	1618.0	1616.0	1613.9	1577.6	1541.3	1507.0	1472.5	1457.3	1442.1	1458.6
42.5°	1524.4	1538.3	1527.9	1517.4	1478.3	1439.1	1406.4	1373.8	1361.3	1348.9	1370.8
45°	1449.8	1462.3	1447.3	1432.2	1391.6	1351.1	1320.1	1289.1	1278.6	1268.1	1289.3
47.5°	1388.1	1396.8	1379.4	1362.1	1322.0	1282.1	1251.8	1221.5	1211.8	1201.9	1219.8
50°	1345.0	1345.6	1323.4	1301.1	1265.3	1229.4	1200.9	1172.3	1156.9	1141.6	1157.3
52.5°	1316.6	1311.9	1285.6	1259.2	1225.8	1192.4	1166.2	1140.0	1117.0	1094.0	1109.6
55°	1292.9	1286.4	1258.4	1230.6	1201.3	1172.0	1143.8	1115.6	1083.0	1050.3	1074.9
57.5°	1269.8	1263.1	1235.0	1206.9	1177.8	1148.9	1115.7	1082.6	1047.4	1012.3	1048.4
60°	1237.0	1229.7	1201.4	1173.2	1143.7	1114.3	1076.2	1038.2	1007.4	976.5	1023.4
62.5°	1185.9	1179.0	1153.1	1127.2	1095.8	1064.4	1020.0	975.6	956.0	936.4	994.9
65°	1116.6	1109.5	1086.7	1063.9	1033.9	1003.9	956.2	908.7	901.3	893.7	955.9
67.5°	1037.9	1030.9	1011.3	991.6	963.2	934.7	890.7	846.8	849.1	851.6	903.2
70°	953.7	947.0	929.2	911.4	886.8	862.2	823.7	785.0	793.2	801.4	838.2
72.5°	859.6	851.6	834.1	816.7	794.5	772.3	742.0	711.6	723.5	735.5	760.8
75°	748.5	740.0	724.3	708.4	688.3	668.1	645.5	623.0	634.6	646.1	665.5
77.5°	641.5	633.8	617.2	600.4	583.2	565.9	547.6	529.2	540.9	552.5	568.1
80°	517.7	507.4	494.8	482.2	467.6	452.9	437.8	422.5	432.3	442.1	455.2
82.5°	376.6	359.0	332.0	305.0	310.2	315.2	316.5	317.8	324.7	331.6	337.9
85°	228.6	206.6	181.4	156.1	170.3	184.4	191.1	197.6	205.3	213.1	219.9
87.5°	99.7	90.9	80.3	69.7	80.5	91.2	91.5	91.7	93.3	94.7	97.5
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: P964007
 CATALOG NUMBER: NAV-SB3B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2348.1	2369.6	2389.1	2409.1	2429.1	2450.1	2471.0	2491.8	2512.6	2532.2	2551.7
5°	2327.3	2365.1	2403.3	2443.8	2484.4	2527.8	2571.1	2614.3	2657.4	2700.7	2743.8
7.5°	2319.9	2368.8	2420.9	2477.4	2534.0	2598.2	2662.3	2728.3	2794.3	2865.5	2936.9
10°	2323.5	2376.1	2440.4	2507.5	2574.3	2652.3	2730.2	2817.2	2904.4	2994.6	3084.8
12.5°	2328.1	2377.0	2444.6	2520.3	2595.9	2687.9	2779.8	2878.5	2977.2	3076.3	3175.4
15°	2308.6	2347.8	2422.7	2510.3	2597.9	2703.8	2809.7	2916.7	3023.9	3127.2	3230.6
17.5°	2249.5	2273.6	2361.7	2467.1	2572.4	2695.3	2818.2	2935.1	3051.9	3156.7	3261.5
20°	2152.9	2159.3	2262.0	2392.5	2523.0	2672.1	2821.0	2949.3	3077.8	3186.7	3295.7
22.5°	2043.4	2030.9	2147.8	2305.0	2462.3	2643.5	2824.6	2968.7	3112.6	3224.0	3335.2
25°	1937.1	1903.4	2023.1	2207.3	2391.5	2615.2	2839.0	3003.7	3168.2	3277.1	3386.3
27.5°	1844.3	1803.3	1912.2	2118.0	2323.7	2596.3	2869.1	3058.3	3247.4	3351.4	3455.5
30°	1762.6	1730.4	1821.9	2043.3	2264.6	2587.5	2910.2	3129.0	3347.9	3448.3	3548.8
32.5°	1691.0	1676.7	1750.5	1979.0	2207.3	2576.6	2945.7	3202.8	3460.0	3559.4	3658.9
35°	1623.5	1629.3	1690.8	1915.6	2140.5	2556.0	2971.8	3287.0	3602.3	3697.6	3792.8
37.5°	1552.7	1574.3	1628.0	1841.2	2054.3	2520.8	2987.3	3381.3	3775.2	3896.6	4018.1
40°	1475.1	1508.3	1557.0	1752.3	1947.6	2472.3	2997.0	3500.9	4004.7	4181.7	4358.7
42.5°	1392.7	1434.5	1479.4	1654.2	1829.1	2422.2	3015.4	3657.4	4299.4	4554.8	4810.3
45°	1310.7	1351.3	1396.8	1550.1	1703.4	2375.6	3047.9	3863.3	4678.7	5023.4	5368.0
47.5°	1237.6	1272.4	1331.2	1467.7	1604.1	2337.2	3070.3	4082.8	5095.3	5580.4	6065.4
50°	1173.2	1213.7	1291.0	1413.0	1534.9	2295.4	3055.7	4286.3	5517.1	6248.4	6979.6
52.5°	1125.2	1181.8	1270.6	1376.9	1483.3	2224.6	2966.0	4418.6	5871.1	6950.0	8029.0
55°	1099.7	1185.0	1267.6	1350.7	1433.9	2107.3	2780.7	4389.5	5998.1	7572.1	9146.3
57.5°	1084.4	1188.3	1261.1	1319.8	1378.5	1942.0	2505.3	4184.5	5863.6	8013.0	10162.4
60°	1070.1	1178.2	1226.3	1272.4	1318.7	1727.2	2135.9	3802.9	5469.7	8123.1	10776.5
62.5°	1053.3	1153.6	1159.6	1190.1	1220.9	1470.4	1719.8	3286.9	4853.8	7659.2	10464.6
65°	1017.9	1094.5	1093.7	1108.2	1122.7	1239.1	1355.6	2760.3	4165.2	7002.9	9840.5
67.5°	955.0	997.9	1000.0	991.9	983.8	1017.0	1050.0	2244.6	3439.3	6221.7	9004.2
70°	875.0	889.1	889.1	851.7	814.2	804.8	795.3	1767.3	2739.3	5369.4	7999.4
72.5°	786.0	785.8	776.8	723.8	670.6	642.1	613.5	1351.2	2088.7	4445.3	6802.1
75°	684.9	688.4	647.2	587.6	528.1	502.2	476.4	980.6	1484.9	3386.2	5287.5
77.5°	583.6	585.5	517.6	459.8	402.0	384.4	366.7	664.5	962.3	2370.0	3777.7
80°	468.2	468.4	387.4	338.6	289.6	282.3	275.0	428.1	581.4	1526.9	2472.5
82.5°	344.4	340.5	271.3	235.2	199.3	197.7	196.5	263.3	330.4	883.8	1437.3
85°	226.7	221.7	170.3	143.9	117.5	118.2	118.8	140.7	162.8	397.5	632.3
87.5°	100.1	93.8	72.4	61.6	50.8	51.5	52.1	58.3	64.7	130.2	195.8
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: P964007
 CATALOG NUMBER: NAV-SB3B-730-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2561.4	2571.1	2584.8	2598.7	2606.9	2615.1	2619.1	2623.2	2621.4	2623.2	2619.1
5°	2777.6	2811.5	2845.0	2878.6	2896.9	2915.1	2926.1	2937.1	2945.5	2937.1	2926.1
7.5°	2991.9	3046.8	3096.2	3145.7	3175.4	3205.3	3221.4	3237.4	3245.1	3237.4	3221.4
10°	3149.8	3214.9	3272.9	3330.8	3366.0	3401.0	3416.6	3432.2	3438.2	3432.2	3416.6
12.5°	3246.0	3316.3	3368.8	3421.0	3446.6	3472.0	3480.6	3489.1	3490.0	3489.1	3480.6
15°	3291.4	3352.1	3385.0	3418.0	3418.9	3419.7	3410.7	3401.6	3390.8	3401.6	3410.7
17.5°	3302.6	3343.7	3344.3	3344.8	3308.0	3271.1	3237.3	3203.4	3179.5	3203.4	3237.3
20°	3309.9	3324.4	3281.1	3237.9	3156.4	3075.0	3015.8	2956.5	2920.0	2956.5	3015.8
22.5°	3316.5	3297.7	3208.1	3118.6	2998.8	2879.1	2805.0	2730.8	2690.6	2730.8	2805.0
25°	3327.0	3267.9	3131.9	2995.8	2850.4	2705.0	2627.1	2549.3	2511.2	2549.3	2627.1
27.5°	3349.6	3243.7	3063.5	2883.4	2722.3	2561.2	2484.5	2407.9	2372.0	2407.9	2484.5
30°	3391.0	3233.3	3011.4	2789.6	2621.7	2453.8	2382.7	2311.7	2278.2	2311.7	2382.7
32.5°	3442.9	3226.9	2976.0	2725.1	2567.2	2409.5	2353.6	2297.7	2273.6	2297.7	2353.6
35°	3528.4	3264.0	3002.5	2741.2	2631.5	2522.0	2509.0	2496.0	2493.9	2496.0	2509.0
37.5°	3707.1	3396.0	3158.4	2920.7	2913.7	2906.6	2966.1	3025.7	3056.7	3025.7	2966.1
40°	4020.5	3682.2	3505.4	3328.7	3453.4	3578.2	3723.0	3867.7	3939.9	3867.7	3723.0
42.5°	4474.7	4139.1	4037.3	3935.5	4207.5	4479.6	4743.0	5006.3	5160.9	5006.3	4743.0
45°	5066.6	4764.9	4720.1	4675.1	5111.0	5546.9	5979.6	6412.4	6675.1	6412.4	5979.6
47.5°	5772.2	5478.8	5469.7	5460.6	6089.4	6718.1	7351.5	7984.9	8356.8	7984.9	7351.5
50°	6617.3	6255.2	6256.7	6258.2	7068.6	7879.0	8715.1	9551.3	10056.8	9551.3	8715.1
52.5°	7590.3	7151.7	7107.4	7063.0	8031.0	8998.9	10033.4	11067.9	11673.8	11067.9	10033.4
55°	8712.8	8279.4	8106.5	7933.6	9011.0	10088.2	11321.4	12554.8	13275.5	12554.8	11321.4
57.5°	9926.4	9690.2	9343.5	8996.7	10084.6	11172.3	12569.3	13966.1	14859.8	13966.1	12569.3
60°	11143.1	11509.8	11079.1	10648.4	11677.8	12707.3	14202.9	15698.6	16664.4	15698.6	14202.9
62.5°	11466.4	12468.0	12419.5	12370.8	13313.9	14257.0	15680.0	17102.8	17995.6	17102.8	15680.0
65°	10780.6	11720.8	11906.8	12092.7	13291.2	14489.7	15869.5	17249.2	18009.2	17249.2	15869.5
67.5°	9898.3	10792.4	10879.7	10966.8	12215.5	13464.1	14849.9	16235.6	16831.1	16235.6	14849.9
70°	8971.9	9944.6	9983.6	10022.7	11139.3	12255.8	13448.4	14640.8	14971.8	14640.8	13448.4
72.5°	7918.1	9034.2	9062.3	9090.2	9963.9	10837.5	11730.7	12623.7	12657.2	12623.7	11730.7
75°	6442.5	7597.6	7701.3	7805.1	8484.7	9164.4	9793.2	10421.9	10253.5	10421.9	9793.2
77.5°	4856.0	5934.3	6082.8	6231.2	6747.9	7264.6	7710.6	8156.5	7867.0	8156.5	7710.6
80°	3379.7	4286.8	4471.3	4655.7	5046.0	5436.0	5670.2	5904.3	5438.5	5904.3	5670.2
82.5°	2057.4	2677.7	2883.7	3089.9	3358.5	3627.1	3724.7	3822.4	3456.4	3822.4	3724.7
85°	961.6	1290.7	1466.0	1641.2	1861.9	2082.6	2138.0	2193.5	1900.2	2193.5	2138.0
87.5°	306.4	417.0	514.9	612.6	722.9	833.3	838.0	842.7	707.5	842.7	838.0
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: P964007
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CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9	2372.9
2.5°	2615.1	2606.9	2598.7	2584.8	2571.1	2561.4	2551.7
5°	2915.1	2896.9	2878.6	2845.0	2811.5	2777.6	2743.8
7.5°	3205.3	3175.4	3145.7	3096.2	3046.8	2991.9	2936.9
10°	3401.0	3366.0	3330.8	3272.9	3214.9	3149.8	3084.8
12.5°	3472.0	3446.6	3421.0	3368.8	3316.3	3246.0	3175.4
15°	3419.7	3418.9	3418.0	3385.0	3352.1	3291.4	3230.6
17.5°	3271.1	3308.0	3344.8	3344.3	3343.7	3302.6	3261.5
20°	3075.0	3156.4	3237.9	3281.1	3324.4	3309.9	3295.7
22.5°	2879.1	2998.8	3118.6	3208.1	3297.7	3316.5	3335.2
25°	2705.0	2850.4	2995.8	3131.9	3267.9	3327.0	3386.3
27.5°	2561.2	2722.3	2883.4	3063.5	3243.7	3349.6	3455.5
30°	2453.8	2621.7	2789.6	3011.4	3233.3	3391.0	3548.8
32.5°	2409.5	2567.2	2725.1	2976.0	3226.9	3442.9	3658.9
35°	2522.0	2631.5	2741.2	3002.5	3264.0	3528.4	3792.8
37.5°	2906.6	2913.7	2920.7	3158.4	3396.0	3707.1	4018.1
40°	3578.2	3453.4	3328.7	3505.4	3682.2	4020.5	4358.7
42.5°	4479.6	4207.5	3935.5	4037.3	4139.1	4474.7	4810.3
45°	5546.9	5111.0	4675.1	4720.1	4764.9	5066.6	5368.0
47.5°	6718.1	6089.4	5460.6	5469.7	5478.8	5772.2	6065.4
50°	7879.0	7068.6	6258.2	6256.7	6255.2	6617.3	6979.6
52.5°	8998.9	8031.0	7063.0	7107.4	7151.7	7590.3	8029.0
55°	10088.2	9011.0	7933.6	8106.5	8279.4	8712.8	9146.3
57.5°	11172.3	10084.6	8996.7	9343.5	9690.2	9926.4	10162.4
60°	12707.3	11677.8	10648.4	11079.1	11509.8	11143.1	10776.5
62.5°	14257.0	13313.9	12370.8	12419.5	12468.0	11466.4	10464.6
65°	14489.7	13291.2	12092.7	11906.8	11720.8	10780.6	9840.5
67.5°	13464.1	12215.5	10966.8	10879.7	10792.4	9898.3	9004.2
70°	12255.8	11139.3	10022.7	9983.6	9944.6	8971.9	7999.4
72.5°	10837.5	9963.9	9090.2	9062.3	9034.2	7918.1	6802.1
75°	9164.4	8484.7	7805.1	7701.3	7597.6	6442.5	5287.5
77.5°	7264.6	6747.9	6231.2	6082.8	5934.3	4856.0	3777.7
80°	5436.0	5046.0	4655.7	4471.3	4286.8	3379.7	2472.5
82.5°	3627.1	3358.5	3089.9	2883.7	2677.7	2057.4	1437.3
85°	2082.6	1861.9	1641.2	1466.0	1290.7	961.6	632.3
87.5°	833.3	722.9	612.6	514.9	417.0	306.4	195.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)