

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: P964131

Luminaire Tested: **NAV-SB3B-760-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964131
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-760-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 5700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

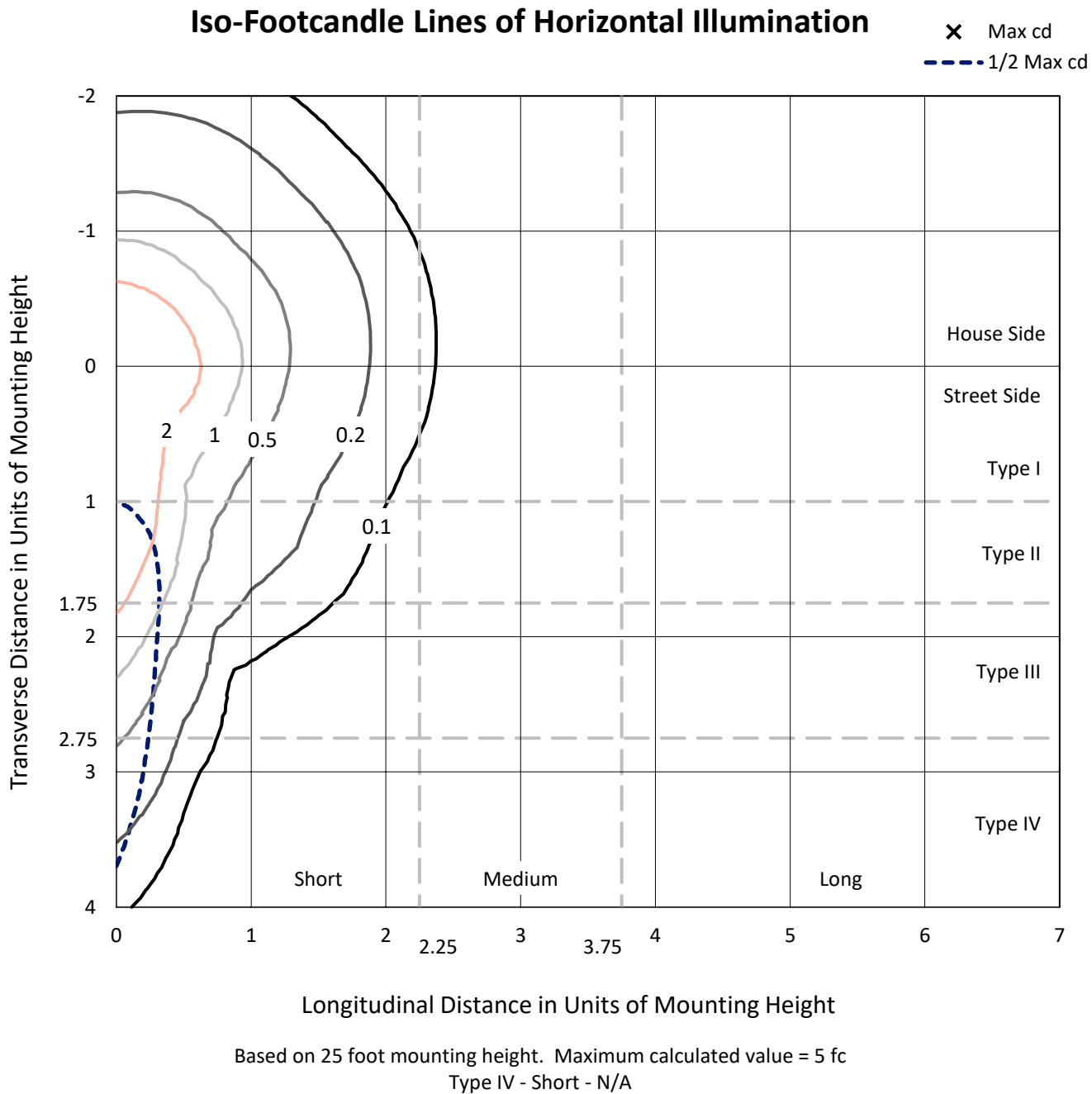
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18256.3 lumens
Efficiency: N/A
Efficacy: 167.2 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): 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

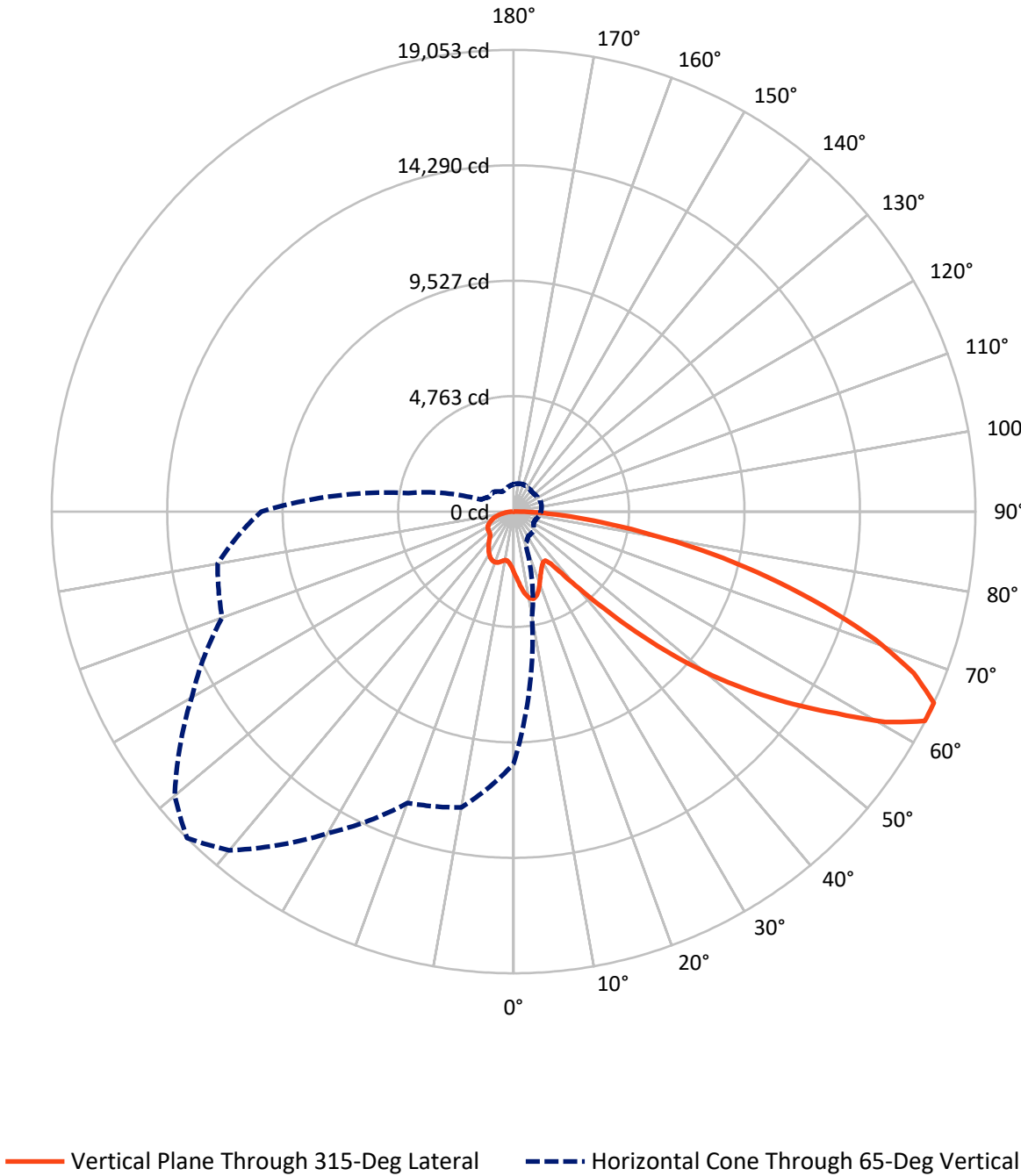


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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4639.8	0.0	4639.8
	% Fixture	25.4	0.0	25.4
Street Side	Lumens	13616.4	0.0	13616.4
	% Fixture	74.6	0.0	74.6
Total	Lumens	18256.3	0.0	18256.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.0	1.4
10°-20°	781.8	4.3
20°-30°	1207.5	6.6
30°-40°	1530.3	8.4
40°-50°	2308.0	12.6
50°-60°	3728.9	20.4
60°-70°	4648.7	25.5
70°-80°	3048.4	16.7
80°-90°	753.6	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°	18256.3	100.0
0°-180°	18256.3	100.0

Coefficient of Utilization



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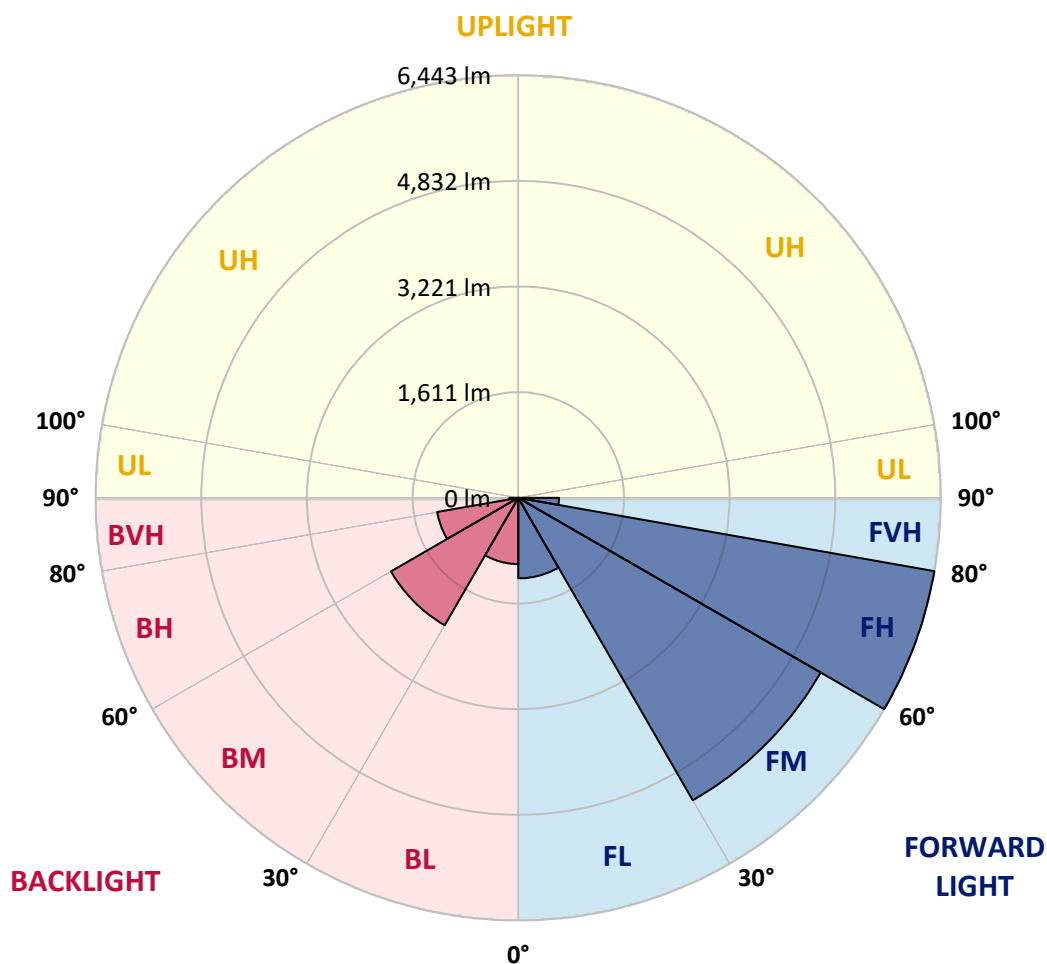
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1227.9	6.7			
FM	(30°-60°)	5325.0	29.2			
FH	(60°-80°)	6442.7	35.3			G3/7500
FVH	(80°-90°)	620.8	3.4			G4/750
BL	(0°-30°)	1010.4	5.5	B3/2500		
BM	(30°-60°)	2242.2	12.3	B2/2500		
BH	(60°-80°)	1254.4	6.9	B3/2500		G3/2500
BVH	(80°-90°)	132.8	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°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2699.6	2678.9	2658.2	2636.2	2614.3	2592.1	2569.9	2548.8	2527.5	2507.0	2484.2
5°	2902.9	2857.2	2811.5	2765.8	2720.2	2674.2	2628.4	2585.6	2542.6	2502.2	2462.3
7.5°	3107.2	3031.6	2956.2	2886.5	2816.7	2748.8	2680.9	2621.1	2561.3	2506.0	2454.4
10°	3263.7	3168.3	3072.7	2980.6	2888.4	2806.0	2723.5	2652.8	2581.9	2513.8	2458.2
12.5°	3359.5	3254.7	3149.8	3045.4	2941.0	2843.7	2746.4	2666.3	2586.3	2514.7	2463.0
15°	3417.9	3308.5	3199.1	3085.9	2972.6	2860.6	2748.5	2655.9	2563.2	2483.9	2442.5
17.5°	3450.6	3339.8	3228.9	3105.2	2981.6	2851.5	2721.6	2610.1	2498.6	2405.4	2379.8
20°	3486.7	3371.5	3256.2	3120.4	2984.5	2827.0	2669.3	2531.2	2393.1	2284.5	2277.8
22.5°	3528.7	3410.9	3293.1	3140.8	2988.4	2796.7	2605.0	2438.6	2272.2	2148.7	2161.8
25°	3582.6	3467.2	3351.9	3177.8	3003.7	2766.8	2530.1	2335.3	2140.5	2013.8	2049.5
27.5°	3655.8	3545.8	3435.7	3235.6	3035.4	2746.9	2458.4	2240.8	2023.1	1907.8	1951.2
30°	3754.5	3648.2	3541.9	3310.4	3078.9	2737.6	2395.9	2161.7	1927.6	1830.8	1864.8
32.5°	3871.1	3765.7	3660.6	3388.5	3116.5	2726.0	2335.3	2093.7	1852.0	1774.0	1789.0
35°	4012.7	3911.9	3811.1	3477.5	3144.1	2704.3	2264.5	2026.7	1788.8	1723.8	1717.6
37.5°	4251.1	4122.5	3994.1	3577.2	3160.5	2666.9	2173.4	1947.9	1722.4	1665.5	1642.7
40°	4611.4	4424.1	4236.8	3703.8	3170.7	2615.6	2060.6	1853.9	1647.3	1595.7	1560.6
42.5°	5089.2	4818.8	4548.5	3869.5	3190.3	2562.6	1935.1	1750.2	1565.2	1517.7	1473.4
45°	5679.2	5314.6	4950.0	4087.3	3224.6	2513.4	1802.2	1639.9	1477.7	1429.6	1386.7
47.5°	6417.1	5904.0	5390.7	4319.5	3248.3	2472.7	1697.2	1552.8	1408.4	1346.2	1309.3
50°	7384.3	6610.6	5836.9	4534.9	3232.8	2428.4	1623.9	1494.9	1365.8	1284.1	1241.3
52.5°	8494.5	7352.9	6211.4	4674.7	3138.0	2353.6	1569.3	1456.7	1344.3	1250.4	1190.4
55°	9676.5	8011.1	6345.9	4644.0	2942.0	2229.5	1517.0	1429.1	1341.1	1253.8	1163.5
57.5°	10751.5	8477.6	6203.5	4427.0	2650.5	2054.5	1458.5	1396.4	1334.1	1257.2	1147.3
60°	11401.3	8594.1	5786.8	4023.3	2259.7	1827.4	1395.0	1346.2	1297.3	1246.5	1132.1
62.5°	11071.3	8103.3	5135.2	3477.4	1819.5	1555.5	1291.6	1259.1	1226.8	1220.5	1114.4
65°	10411.0	7408.8	4406.7	2920.4	1434.2	1311.0	1187.8	1172.5	1157.1	1157.9	1077.0
67.5°	9526.2	6582.4	3638.6	2374.7	1110.9	1075.9	1040.9	1049.4	1057.9	1055.8	1010.3
70°	8463.2	5680.7	2898.1	1869.8	841.4	851.5	861.4	901.1	940.6	940.6	925.8
72.5°	7196.4	4703.1	2209.8	1429.5	649.0	679.3	709.5	765.8	821.9	831.4	831.6
75°	5593.9	3582.5	1571.0	1037.5	504.0	531.4	558.7	621.8	684.7	728.3	724.6
77.5°	3996.8	2507.5	1018.0	703.0	388.1	406.6	425.3	486.5	547.7	619.4	617.5
80°	2615.9	1615.5	615.1	452.9	290.9	298.6	306.4	358.1	409.9	495.6	495.4
82.5°	1520.6	935.0	349.5	278.6	207.9	209.2	210.7	248.9	287.1	360.3	364.3
85°	669.0	420.6	172.2	148.9	125.7	125.0	124.2	152.2	180.1	234.5	239.8
87.5°	207.2	137.8	68.4	61.7	55.1	54.4	53.7	65.1	76.6	99.2	106.0
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°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2465.7	2447.3	2430.6	2414.1	2399.5	2385.0	2370.3	2355.8	2344.5	2333.1	2324.0
5°	2427.4	2392.4	2363.1	2333.9	2308.1	2282.3	2258.9	2235.3	2217.4	2199.2	2186.6
7.5°	2407.9	2361.6	2323.1	2284.5	2252.0	2219.4	2190.7	2162.1	2140.7	2119.3	2104.2
10°	2409.3	2360.3	2321.7	2283.3	2248.2	2213.2	2180.9	2148.7	2123.1	2097.4	2080.5
12.5°	2422.9	2383.0	2357.4	2332.0	2304.4	2277.0	2243.6	2210.3	2177.6	2144.8	2123.2
15°	2423.3	2404.2	2407.7	2411.2	2404.0	2397.0	2368.0	2338.9	2292.3	2245.7	2212.8
17.5°	2386.9	2393.8	2435.8	2477.8	2500.2	2522.4	2499.1	2475.7	2414.0	2352.2	2303.7
20°	2310.6	2343.3	2416.2	2489.2	2536.0	2582.7	2571.8	2561.0	2490.3	2419.8	2360.3
22.5°	2210.3	2258.8	2342.0	2425.5	2486.2	2547.0	2553.6	2560.0	2492.6	2425.1	2363.9
25°	2105.4	2161.2	2236.0	2311.0	2370.8	2430.6	2453.0	2475.3	2419.9	2364.8	2310.2
27.5°	2005.1	2059.1	2120.6	2182.1	2230.1	2278.1	2302.9	2327.9	2288.4	2249.2	2206.8
30°	1907.5	1950.5	2001.6	2052.7	2092.4	2132.3	2152.5	2172.8	2142.8	2112.7	2082.5
32.5°	1814.4	1839.8	1880.5	1921.4	1959.5	1997.7	2020.2	2042.7	2015.2	1987.5	1963.3
35°	1724.6	1731.5	1762.7	1793.6	1831.5	1869.3	1896.2	1923.2	1903.6	1884.1	1861.7
37.5°	1635.0	1627.2	1649.5	1671.9	1709.5	1747.2	1780.6	1813.9	1804.8	1795.8	1775.3
40°	1543.1	1525.7	1541.8	1557.9	1594.3	1630.7	1669.0	1707.4	1709.7	1711.9	1694.3
42.5°	1450.3	1427.1	1440.2	1453.4	1487.9	1522.5	1563.9	1605.4	1616.4	1627.5	1612.7
45°	1364.2	1341.7	1352.7	1363.9	1396.6	1429.4	1472.3	1515.3	1531.1	1547.0	1533.8
47.5°	1290.5	1271.6	1282.0	1292.3	1324.4	1356.4	1398.7	1441.1	1459.4	1477.7	1468.5
50°	1224.5	1207.8	1224.0	1240.2	1270.5	1300.6	1338.6	1376.6	1400.0	1423.6	1423.0
52.5°	1173.9	1157.4	1181.8	1206.1	1233.8	1261.5	1296.8	1332.3	1360.1	1388.0	1393.0
55°	1137.2	1111.2	1145.7	1180.3	1210.1	1239.9	1271.0	1302.0	1331.4	1361.0	1367.9
57.5°	1109.2	1071.0	1108.2	1145.3	1180.5	1215.5	1246.1	1276.8	1306.7	1336.3	1343.4
60°	1082.7	1033.2	1065.8	1098.4	1138.7	1178.9	1210.0	1241.3	1271.1	1300.9	1308.6
62.5°	1052.5	990.8	1011.5	1032.2	1079.1	1126.1	1159.4	1192.6	1220.0	1247.3	1254.7
65°	1011.3	945.5	953.5	961.3	1011.7	1062.0	1093.9	1125.7	1149.7	1173.8	1181.4
67.5°	955.6	900.9	898.4	895.8	942.3	988.8	1019.0	1049.1	1069.9	1090.7	1098.1
70°	886.8	847.9	839.3	830.6	871.5	912.2	938.3	964.3	983.1	1001.8	1009.0
72.5°	804.8	778.2	765.5	752.9	785.0	817.1	840.6	864.1	882.5	900.9	909.4
75°	704.1	683.5	671.4	659.1	683.0	706.8	728.2	749.5	766.2	783.0	791.8
77.5°	601.1	584.6	572.3	559.9	579.3	598.7	617.0	635.3	652.9	670.5	678.8
80°	481.5	467.7	457.4	447.0	463.2	479.3	494.7	510.0	523.5	536.8	547.8
82.5°	357.6	350.9	343.5	336.2	334.9	333.5	328.1	322.7	351.3	379.8	398.4
85°	232.7	225.4	217.2	209.0	202.1	195.1	180.1	165.2	191.9	218.6	241.8
87.5°	103.1	100.1	98.6	97.1	96.9	96.6	85.2	73.7	84.9	96.1	105.5
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°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2314.9	2307.7	2300.6	2294.1	2287.4	2279.2	2287.4	2294.1	2300.6	2307.7	2314.9
5°	2174.0	2165.0	2156.1	2149.2	2142.5	2135.7	2142.5	2149.2	2156.1	2165.0	2174.0
7.5°	2089.3	2078.9	2068.8	2062.5	2056.5	2051.8	2056.5	2062.5	2068.8	2078.9	2089.3
10°	2063.6	2053.9	2044.2	2038.9	2033.7	2031.7	2033.7	2038.9	2044.2	2053.9	2063.6
12.5°	2101.5	2090.6	2079.8	2075.3	2070.9	2070.2	2070.9	2075.3	2079.8	2090.6	2101.5
15°	2179.8	2164.7	2149.6	2143.9	2138.0	2137.6	2138.0	2143.9	2149.6	2164.7	2179.8
17.5°	2255.1	2232.8	2210.3	2203.0	2195.5	2194.4	2195.5	2203.0	2210.3	2232.8	2255.1
20°	2300.9	2272.2	2243.5	2234.4	2225.3	2222.4	2225.3	2234.4	2243.5	2272.2	2300.9
22.5°	2302.6	2272.3	2242.1	2232.0	2221.9	2217.6	2221.9	2232.0	2242.1	2272.3	2302.6
25°	2255.9	2229.7	2203.5	2194.0	2184.6	2179.0	2184.6	2194.0	2203.5	2229.7	2255.9
27.5°	2164.6	2147.1	2129.4	2125.0	2120.7	2119.3	2120.7	2125.0	2129.4	2147.1	2164.6
30°	2052.0	2043.1	2034.0	2034.0	2034.0	2035.4	2034.0	2034.0	2034.0	2043.1	2052.0
32.5°	1939.2	1933.3	1927.4	1928.1	1929.0	1930.5	1929.0	1928.1	1927.4	1933.3	1939.2
35°	1839.5	1830.4	1821.6	1819.7	1817.7	1816.8	1817.7	1819.7	1821.6	1830.4	1839.5
37.5°	1754.7	1738.4	1722.2	1713.6	1705.1	1700.3	1705.1	1713.6	1722.2	1738.4	1754.7
40°	1676.9	1653.2	1629.7	1613.8	1598.0	1588.5	1598.0	1613.8	1629.7	1653.2	1676.9
42.5°	1598.2	1568.8	1539.3	1516.2	1492.9	1477.7	1492.9	1516.2	1539.3	1568.8	1598.2
45°	1520.6	1487.0	1453.4	1426.2	1398.9	1381.4	1398.9	1426.2	1453.4	1487.0	1520.6
47.5°	1459.2	1429.4	1399.5	1374.2	1349.1	1332.3	1349.1	1374.2	1399.5	1429.4	1459.2
50°	1422.6	1398.7	1374.8	1351.6	1328.2	1312.0	1328.2	1351.6	1374.8	1398.7	1422.6
52.5°	1398.0	1378.5	1359.0	1338.1	1317.3	1302.4	1317.3	1338.1	1359.0	1378.5	1398.0
55°	1374.8	1357.9	1340.9	1322.7	1304.3	1290.9	1304.3	1322.7	1340.9	1357.9	1374.8
57.5°	1350.3	1333.2	1316.1	1298.0	1279.7	1265.8	1279.7	1298.0	1316.1	1333.2	1350.3
60°	1316.4	1299.6	1282.9	1264.2	1245.6	1231.1	1245.6	1264.2	1282.9	1299.6	1316.4
62.5°	1262.1	1247.0	1231.8	1212.3	1192.6	1175.3	1192.6	1212.3	1231.8	1247.0	1262.1
65°	1188.9	1174.3	1159.8	1140.7	1121.8	1106.9	1121.8	1140.7	1159.8	1174.3	1188.9
67.5°	1105.4	1092.0	1078.7	1061.0	1043.2	1029.8	1043.2	1061.0	1078.7	1092.0	1105.4
70°	1016.1	1005.2	994.4	977.3	960.4	945.0	960.4	977.3	994.4	1005.2	1016.1
72.5°	917.9	908.8	899.7	883.6	867.5	852.5	867.5	883.6	899.7	908.8	917.9
75°	800.7	796.3	791.8	778.3	764.6	750.4	764.6	778.3	791.8	796.3	800.7
77.5°	687.1	680.9	674.6	660.8	647.2	635.8	647.2	660.8	674.6	680.9	687.1
80°	558.7	556.1	553.4	535.0	516.5	495.2	516.5	535.0	553.4	556.1	558.7
82.5°	417.1	415.9	414.7	399.2	383.6	369.9	383.6	399.2	414.7	415.9	417.1
85°	264.9	263.0	261.1	248.9	236.8	224.5	236.8	248.9	261.1	263.0	264.9
87.5°	114.8	112.5	110.0	103.8	97.5	91.5	97.5	103.8	110.0	112.5	114.8
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: P964131

CATALOG NUMBER: NAV-SB3B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2324.0	2333.1	2344.5	2355.8	2370.3	2385.0	2399.5	2414.1	2430.6	2447.3	2465.7
5°	2186.6	2199.2	2217.4	2235.3	2258.9	2282.3	2308.1	2333.9	2363.1	2392.4	2427.4
7.5°	2104.2	2119.3	2140.7	2162.1	2190.7	2219.4	2252.0	2284.5	2323.1	2361.6	2407.9
10°	2080.5	2097.4	2123.1	2148.7	2180.9	2213.2	2248.2	2283.3	2321.7	2360.3	2409.3
12.5°	2123.2	2144.8	2177.6	2210.3	2243.6	2277.0	2304.4	2332.0	2357.4	2383.0	2422.9
15°	2212.8	2245.7	2292.3	2338.9	2368.0	2397.0	2404.0	2411.2	2407.7	2404.2	2423.3
17.5°	2303.7	2352.2	2414.0	2475.7	2499.1	2522.4	2500.2	2477.8	2435.8	2393.8	2386.9
20°	2360.3	2419.8	2490.3	2561.0	2571.8	2582.7	2536.0	2489.2	2416.2	2343.3	2310.6
22.5°	2363.9	2425.1	2492.6	2560.0	2553.6	2547.0	2486.2	2425.5	2342.0	2258.8	2210.3
25°	2310.2	2364.8	2419.9	2475.3	2453.0	2430.6	2370.8	2311.0	2236.0	2161.2	2105.4
27.5°	2206.8	2249.2	2288.4	2327.9	2302.9	2278.1	2230.1	2182.1	2120.6	2059.1	2005.1
30°	2082.5	2112.7	2142.8	2172.8	2152.5	2132.3	2092.4	2052.7	2001.6	1950.5	1907.5
32.5°	1963.3	1987.5	2015.2	2042.7	2020.2	1997.7	1959.5	1921.4	1880.5	1839.8	1814.4
35°	1861.7	1884.1	1903.6	1923.2	1896.2	1869.3	1831.5	1793.6	1762.7	1731.5	1724.6
37.5°	1775.3	1795.8	1804.8	1813.9	1780.6	1747.2	1709.5	1671.9	1649.5	1627.2	1635.0
40°	1694.3	1711.9	1709.7	1707.4	1669.0	1630.7	1594.3	1557.9	1541.8	1525.7	1543.1
42.5°	1612.7	1627.5	1616.4	1605.4	1563.9	1522.5	1487.9	1453.4	1440.2	1427.1	1450.3
45°	1533.8	1547.0	1531.1	1515.3	1472.3	1429.4	1396.6	1363.9	1352.7	1341.7	1364.2
47.5°	1468.5	1477.7	1459.4	1441.1	1398.7	1356.4	1324.4	1292.3	1282.0	1271.6	1290.5
50°	1423.0	1423.6	1400.0	1376.6	1338.6	1300.6	1270.5	1240.2	1224.0	1207.8	1224.5
52.5°	1393.0	1388.0	1360.1	1332.3	1296.8	1261.5	1233.8	1206.1	1181.8	1157.4	1173.9
55°	1367.9	1361.0	1331.4	1302.0	1271.0	1239.9	1210.1	1180.3	1145.7	1111.2	1137.2
57.5°	1343.4	1336.3	1306.7	1276.8	1246.1	1215.5	1180.5	1145.3	1108.2	1071.0	1109.2
60°	1308.6	1300.9	1271.1	1241.3	1210.0	1178.9	1138.7	1098.4	1065.8	1033.2	1082.7
62.5°	1254.7	1247.3	1220.0	1192.6	1159.4	1126.1	1079.1	1032.2	1011.5	990.8	1052.5
65°	1181.4	1173.8	1149.7	1125.7	1093.9	1062.0	1011.7	961.3	953.5	945.5	1011.3
67.5°	1098.1	1090.7	1069.9	1049.1	1019.0	988.8	942.3	895.8	898.4	900.9	955.6
70°	1009.0	1001.8	983.1	964.3	938.3	912.2	871.5	830.6	839.3	847.9	886.8
72.5°	909.4	900.9	882.5	864.1	840.6	817.1	785.0	752.9	765.5	778.2	804.8
75°	791.8	783.0	766.2	749.5	728.2	706.8	683.0	659.1	671.4	683.5	704.1
77.5°	678.8	670.5	652.9	635.3	617.0	598.7	579.3	559.9	572.3	584.6	601.1
80°	547.8	536.8	523.5	510.0	494.7	479.3	463.2	447.0	457.4	467.7	481.5
82.5°	398.4	379.8	351.3	322.7	328.1	333.5	334.9	336.2	343.5	350.9	357.6
85°	241.8	218.6	191.9	165.2	180.1	195.1	202.1	209.0	217.2	225.4	232.7
87.5°	105.5	96.1	84.9	73.7	85.2	96.6	96.9	97.1	98.6	100.1	103.1
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: P964131

CATALOG NUMBER: NAV-SB3B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2484.2	2507.0	2527.5	2548.8	2569.9	2592.1	2614.3	2636.2	2658.2	2678.9	2699.6
5°	2462.3	2502.2	2542.6	2585.6	2628.4	2674.2	2720.2	2765.8	2811.5	2857.2	2902.9
7.5°	2454.4	2506.0	2561.3	2621.1	2680.9	2748.8	2816.7	2886.5	2956.2	3031.6	3107.2
10°	2458.2	2513.8	2581.9	2652.8	2723.5	2806.0	2888.4	2980.6	3072.7	3168.3	3263.7
12.5°	2463.0	2514.7	2586.3	2666.3	2746.4	2843.7	2941.0	3045.4	3149.8	3254.7	3359.5
15°	2442.5	2483.9	2563.2	2655.9	2748.5	2860.6	2972.6	3085.9	3199.1	3308.5	3417.9
17.5°	2379.8	2405.4	2498.6	2610.1	2721.6	2851.5	2981.6	3105.2	3228.9	3339.8	3450.6
20°	2277.8	2284.5	2393.1	2531.2	2669.3	2827.0	2984.5	3120.4	3256.2	3371.5	3486.7
22.5°	2161.8	2148.7	2272.2	2438.6	2605.0	2796.7	2988.4	3140.8	3293.1	3410.9	3528.7
25°	2049.5	2013.8	2140.5	2335.3	2530.1	2766.8	3003.7	3177.8	3351.9	3467.2	3582.6
27.5°	1951.2	1907.8	2023.1	2240.8	2458.4	2746.9	3035.4	3235.6	3435.7	3545.8	3655.8
30°	1864.8	1830.8	1927.6	2161.7	2395.9	2737.6	3078.9	3310.4	3541.9	3648.2	3754.5
32.5°	1789.0	1774.0	1852.0	2093.7	2335.3	2726.0	3116.5	3388.5	3660.6	3765.7	3871.1
35°	1717.6	1723.8	1788.8	2026.7	2264.5	2704.3	3144.1	3477.5	3811.1	3911.9	4012.7
37.5°	1642.7	1665.5	1722.4	1947.9	2173.4	2666.9	3160.5	3577.2	3994.1	4122.5	4251.1
40°	1560.6	1595.7	1647.3	1853.9	2060.6	2615.6	3170.7	3703.8	4236.8	4424.1	4611.4
42.5°	1473.4	1517.7	1565.2	1750.2	1935.1	2562.6	3190.3	3869.5	4548.5	4818.8	5089.2
45°	1386.7	1429.6	1477.7	1639.9	1802.2	2513.4	3224.6	4087.3	4950.0	5314.6	5679.2
47.5°	1309.3	1346.2	1408.4	1552.8	1697.2	2472.7	3248.3	4319.5	5390.7	5904.0	6417.1
50°	1241.3	1284.1	1365.8	1494.9	1623.9	2428.4	3232.8	4534.9	5836.9	6610.6	7384.3
52.5°	1190.4	1250.4	1344.3	1456.7	1569.3	2353.6	3138.0	4674.7	6211.4	7352.9	8494.5
55°	1163.5	1253.8	1341.1	1429.1	1517.0	2229.5	2942.0	4644.0	6345.9	8011.1	9676.5
57.5°	1147.3	1257.2	1334.1	1396.4	1458.5	2054.5	2650.5	4427.0	6203.5	8477.6	10751.5
60°	1132.1	1246.5	1297.3	1346.2	1395.0	1827.4	2259.7	4023.3	5786.8	8594.1	11401.3
62.5°	1114.4	1220.5	1226.8	1259.1	1291.6	1555.5	1819.5	3477.4	5135.2	8103.3	11071.3
65°	1077.0	1157.9	1157.1	1172.5	1187.8	1311.0	1434.2	2920.4	4406.7	7408.8	10411.0
67.5°	1010.3	1055.8	1057.9	1049.4	1040.9	1075.9	1110.9	2374.7	3638.6	6582.4	9526.2
70°	925.8	940.6	940.6	901.1	861.4	851.5	841.4	1869.8	2898.1	5680.7	8463.2
72.5°	831.6	831.4	821.9	765.8	709.5	679.3	649.0	1429.5	2209.8	4703.1	7196.4
75°	724.6	728.3	684.7	621.8	558.7	531.4	504.0	1037.5	1571.0	3582.5	5593.9
77.5°	617.5	619.4	547.7	486.5	425.3	406.6	388.1	703.0	1018.0	2507.5	3996.8
80°	495.4	495.6	409.9	358.1	306.4	298.6	290.9	452.9	615.1	1615.5	2615.9
82.5°	364.3	360.3	287.1	248.9	210.7	209.2	207.9	278.6	349.5	935.0	1520.6
85°	239.8	234.5	180.1	152.2	124.2	125.0	125.7	148.9	172.2	420.6	669.0
87.5°	106.0	99.2	76.6	65.1	53.7	54.4	55.1	61.7	68.4	137.8	207.2
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: P964131

CATALOG NUMBER: NAV-SB3B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2709.9	2720.2	2734.7	2749.3	2758.0	2766.7	2771.0	2775.3	2773.3	2775.3	2771.0
5°	2938.7	2974.5	3010.0	3045.5	3064.7	3084.0	3095.7	3107.5	3116.3	3107.5	3095.7
7.5°	3165.3	3223.4	3275.8	3328.1	3359.5	3391.0	3408.1	3425.0	3433.2	3425.0	3408.1
10°	3332.5	3401.3	3462.7	3524.0	3561.2	3598.2	3614.8	3631.2	3637.5	3631.2	3614.8
12.5°	3434.2	3508.6	3564.0	3619.4	3646.3	3673.3	3682.3	3691.4	3692.4	3691.4	3682.3
15°	3482.2	3546.4	3581.2	3616.1	3617.0	3618.0	3608.4	3598.8	3587.4	3598.8	3608.4
17.5°	3494.0	3537.5	3538.2	3538.7	3499.8	3460.7	3424.9	3389.2	3363.8	3389.2	3424.9
20°	3501.8	3517.1	3471.3	3425.6	3339.4	3253.4	3190.6	3127.9	3089.4	3127.9	3190.6
22.5°	3508.8	3488.9	3394.2	3299.4	3172.7	3046.0	2967.6	2889.2	2846.6	2889.2	2967.6
25°	3520.0	3457.3	3313.4	3169.5	3015.7	2861.8	2779.4	2697.1	2656.8	2697.1	2779.4
27.5°	3543.8	3431.8	3241.2	3050.6	2880.1	2709.6	2628.5	2547.4	2509.4	2547.4	2628.5
30°	3587.6	3420.7	3186.1	2951.4	2773.8	2596.1	2520.9	2445.6	2410.2	2445.6	2520.9
32.5°	3642.4	3414.0	3148.5	2883.0	2716.0	2549.1	2490.0	2430.9	2405.4	2430.9	2490.0
35°	3732.9	3453.3	3176.6	2900.0	2784.1	2668.2	2654.4	2640.6	2638.6	2640.6	2654.4
37.5°	3922.1	3592.9	3341.5	3090.1	3082.6	3075.1	3138.1	3201.1	3233.9	3201.1	3138.1
40°	4253.5	3895.6	3708.7	3521.7	3653.6	3785.6	3938.8	4092.0	4168.3	4092.0	3938.8
42.5°	4734.1	4379.0	4271.4	4163.7	4451.5	4739.3	5017.9	5296.5	5460.1	5296.5	5017.9
45°	5360.2	5041.3	4993.7	4946.1	5407.3	5868.5	6326.3	6784.2	7062.0	6784.2	6326.3
47.5°	6106.8	5796.5	5786.8	5777.2	6442.4	7107.6	7777.7	8447.7	8841.3	8447.7	7777.7
50°	7001.0	6617.8	6619.4	6621.1	7478.4	8335.7	9220.4	10105.0	10639.8	10105.0	9220.4
52.5°	8030.4	7566.3	7519.4	7472.5	8496.5	9520.6	10615.1	11709.6	12350.6	11709.6	10615.1
55°	9217.9	8759.4	8576.5	8393.5	9533.3	10673.0	11977.8	13282.7	14045.1	13282.7	11977.8
57.5°	10501.8	10252.0	9885.1	9518.4	10669.2	11820.1	13297.9	14775.8	15721.2	14775.8	13297.9
60°	11789.1	12177.1	11721.4	11265.8	12354.8	13444.0	15026.3	16608.7	17630.6	16608.7	15026.3
62.5°	12131.1	13190.8	13139.5	13088.0	14085.8	15083.6	16589.0	18094.4	19039.0	18094.4	16589.0
65°	11405.6	12400.2	12597.0	12793.7	14061.7	15329.7	16789.5	18249.2	19053.4	18249.2	16789.5
67.5°	10472.2	11418.2	11510.4	11602.6	12923.7	14244.7	15710.8	17176.8	17806.8	17176.8	15710.8
70°	9492.1	10521.1	10562.3	10603.6	11785.0	12966.4	14228.0	15489.6	15839.7	15489.6	14228.0
72.5°	8377.1	9558.0	9587.6	9617.3	10541.5	11465.9	12410.8	13355.5	13391.0	13355.5	12410.8
75°	6816.0	8038.0	8147.8	8257.5	8976.6	9695.8	10360.9	11026.1	10847.9	11026.1	10360.9
77.5°	5137.5	6278.4	6435.5	6592.4	7139.1	7685.8	8157.6	8629.4	8323.0	8629.4	8157.6
80°	3575.6	4535.3	4730.5	4925.6	5338.5	5751.2	5998.9	6246.7	5753.8	6246.7	5998.9
82.5°	2176.7	2832.9	3050.9	3269.0	3553.2	3837.4	3940.7	4044.0	3656.7	4044.0	3940.7
85°	1017.2	1365.5	1550.9	1736.4	1969.8	2203.3	2262.0	2320.6	2010.4	2320.6	2262.0
87.5°	324.1	441.2	544.7	648.1	764.9	881.6	886.6	891.5	748.5	891.5	886.6
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: P964131

CATALOG NUMBER: NAV-SB3B-760-U-SLR

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4	2510.4
2.5°	2766.7	2758.0	2749.3	2734.7	2720.2	2709.9	2699.6
5°	3084.0	3064.7	3045.5	3010.0	2974.5	2938.7	2902.9
7.5°	3391.0	3359.5	3328.1	3275.8	3223.4	3165.3	3107.2
10°	3598.2	3561.2	3524.0	3462.7	3401.3	3332.5	3263.7
12.5°	3673.3	3646.3	3619.4	3564.0	3508.6	3434.2	3359.5
15°	3618.0	3617.0	3616.1	3581.2	3546.4	3482.2	3417.9
17.5°	3460.7	3499.8	3538.7	3538.2	3537.5	3494.0	3450.6
20°	3253.4	3339.4	3425.6	3471.3	3517.1	3501.8	3486.7
22.5°	3046.0	3172.7	3299.4	3394.2	3488.9	3508.8	3528.7
25°	2861.8	3015.7	3169.5	3313.4	3457.3	3520.0	3582.6
27.5°	2709.6	2880.1	3050.6	3241.2	3431.8	3543.8	3655.8
30°	2596.1	2773.8	2951.4	3186.1	3420.7	3587.6	3754.5
32.5°	2549.1	2716.0	2883.0	3148.5	3414.0	3642.4	3871.1
35°	2668.2	2784.1	2900.0	3176.6	3453.3	3732.9	4012.7
37.5°	3075.1	3082.6	3090.1	3341.5	3592.9	3922.1	4251.1
40°	3785.6	3653.6	3521.7	3708.7	3895.6	4253.5	4611.4
42.5°	4739.3	4451.5	4163.7	4271.4	4379.0	4734.1	5089.2
45°	5868.5	5407.3	4946.1	4993.7	5041.3	5360.2	5679.2
47.5°	7107.6	6442.4	5777.2	5786.8	5796.5	6106.8	6417.1
50°	8335.7	7478.4	6621.1	6619.4	6617.8	7001.0	7384.3
52.5°	9520.6	8496.5	7472.5	7519.4	7566.3	8030.4	8494.5
55°	10673.0	9533.3	8393.5	8576.5	8759.4	9217.9	9676.5
57.5°	11820.1	10669.2	9518.4	9885.1	10252.0	10501.8	10751.5
60°	13444.0	12354.8	11265.8	11721.4	12177.1	11789.1	11401.3
62.5°	15083.6	14085.8	13088.0	13139.5	13190.8	12131.1	11071.3
65°	15329.7	14061.7	12793.7	12597.0	12400.2	11405.6	10411.0
67.5°	14244.7	12923.7	11602.6	11510.4	11418.2	10472.2	9526.2
70°	12966.4	11785.0	10603.6	10562.3	10521.1	9492.1	8463.2
72.5°	11465.9	10541.5	9617.3	9587.6	9558.0	8377.1	7196.4
75°	9695.8	8976.6	8257.5	8147.8	8038.0	6816.0	5593.9
77.5°	7685.8	7139.1	6592.4	6435.5	6278.4	5137.5	3996.8
80°	5751.2	5338.5	4925.6	4730.5	4535.3	3575.6	2615.9
82.5°	3837.4	3553.2	3269.0	3050.9	2832.9	2176.7	1520.6
85°	2203.3	1969.8	1736.4	1550.9	1365.5	1017.2	669.0
87.5°	881.6	764.9	648.1	544.7	441.2	324.1	207.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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