

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: P966331

Luminaire Tested: **NAV-SB4B-835-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P966331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: NAV-SB4B-835-U-SLR-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

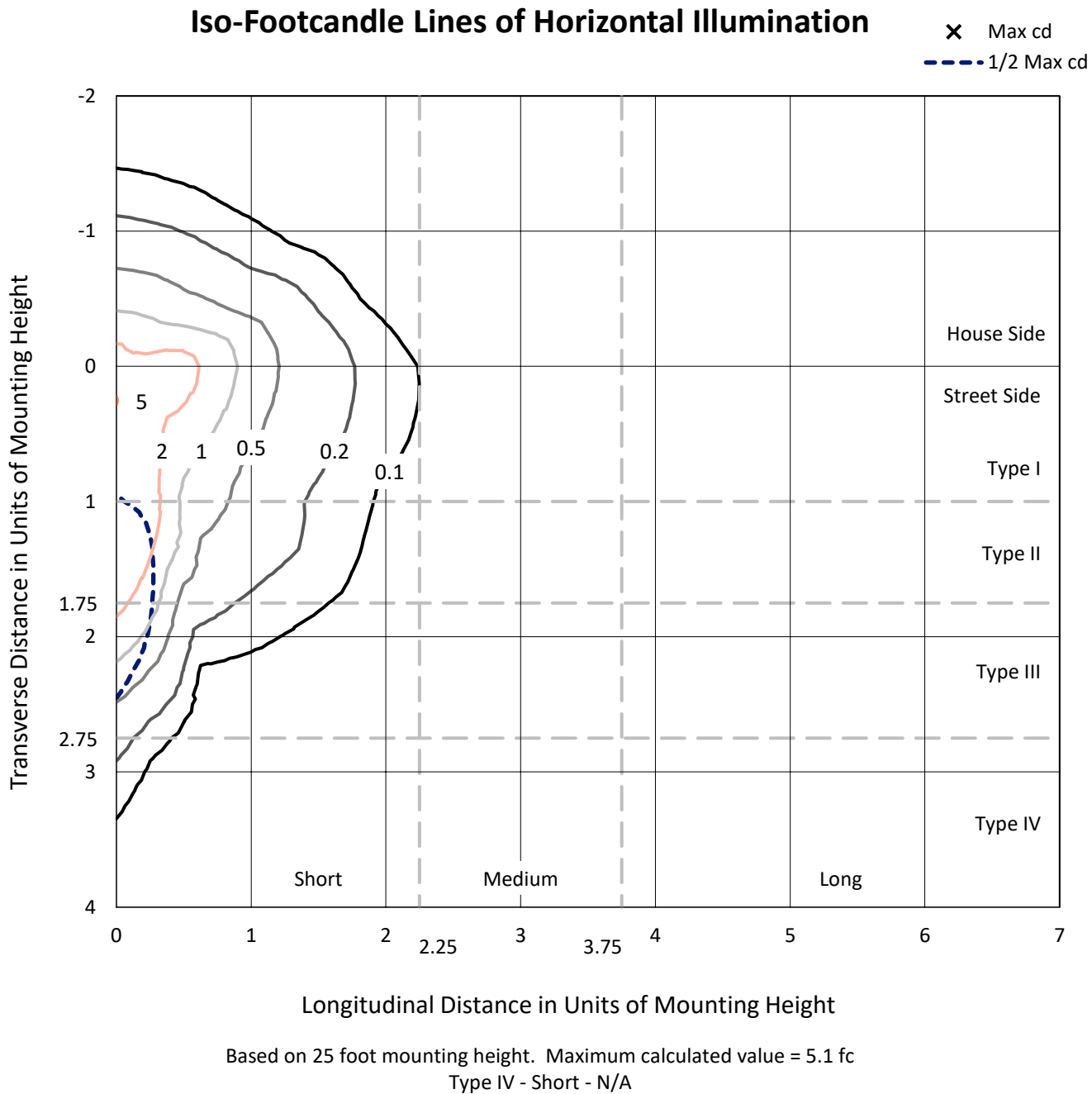
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16375.4 lumens  
Efficiency: N/A  
Efficacy: 111.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 147  
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

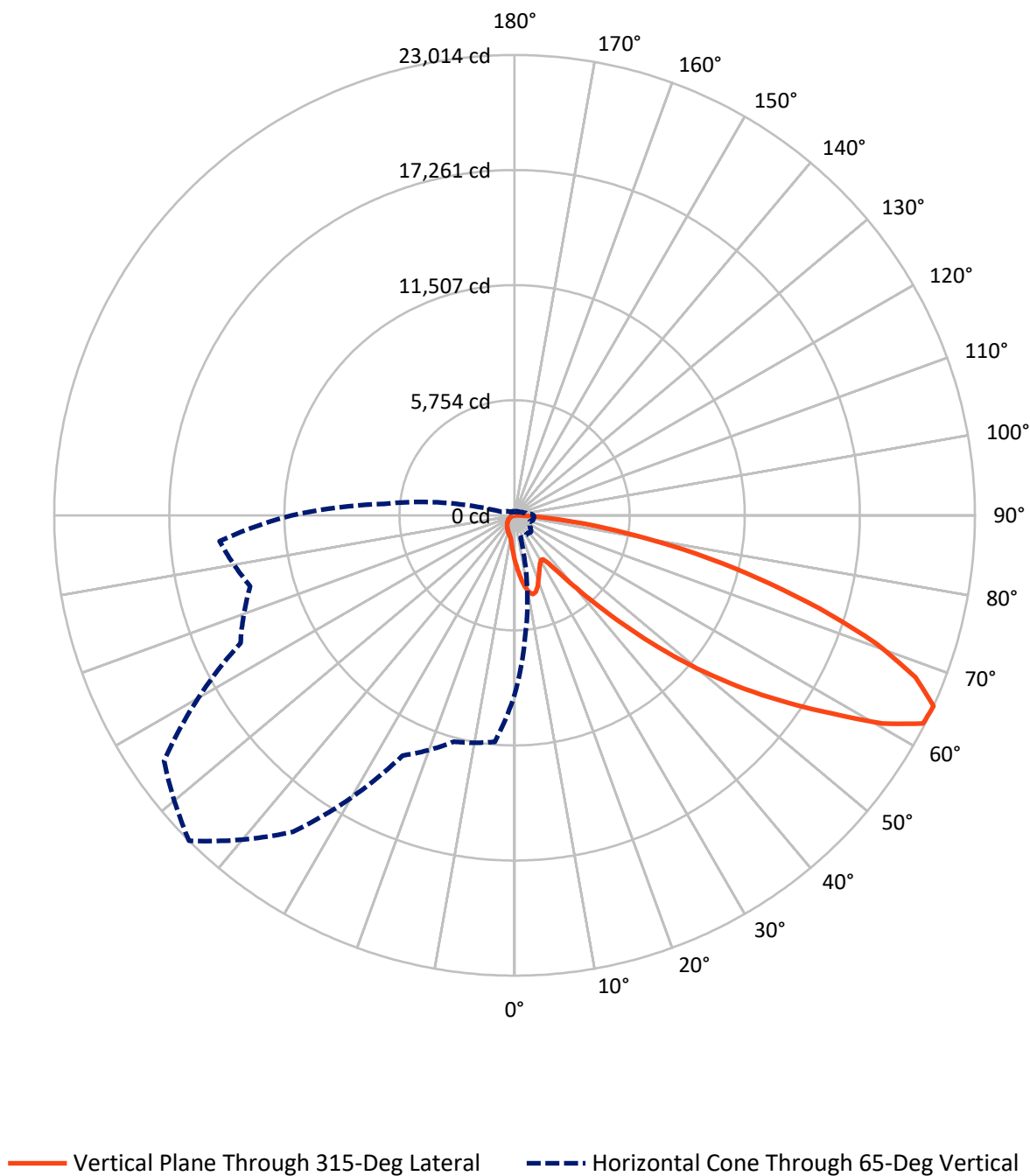


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## Luminous Intensity Polar Plot



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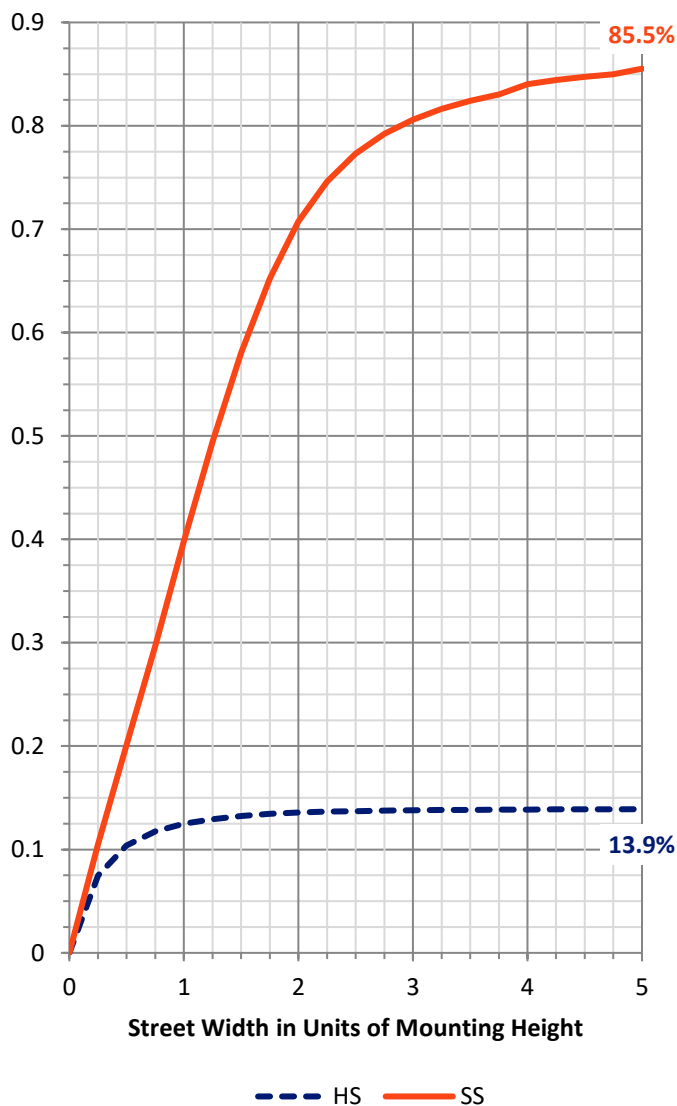
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2293.2   | 0.0    | 2293.2  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 14082.1  | 0.0    | 14082.1 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 16375.4  | 0.0    | 16375.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 223.2   | 1.4       |
| 10°-20°   | 669.2   | 4.1       |
| 20°-30°   | 985.9   | 6.0       |
| 30°-40°   | 1266.6  | 7.7       |
| 40°-50°   | 2048.4  | 12.5      |
| 50°-60°   | 3592.1  | 21.9      |
| 60°-70°   | 4494.8  | 27.4      |
| 70°-80°   | 2626.5  | 16.0      |
| 80°-90°   | 468.6   | 2.9       |
| 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°    | 16375.4 | 100.0     |
| 0°-180°   | 16375.4 | 100.0     |

**Coefficient of Utilization**



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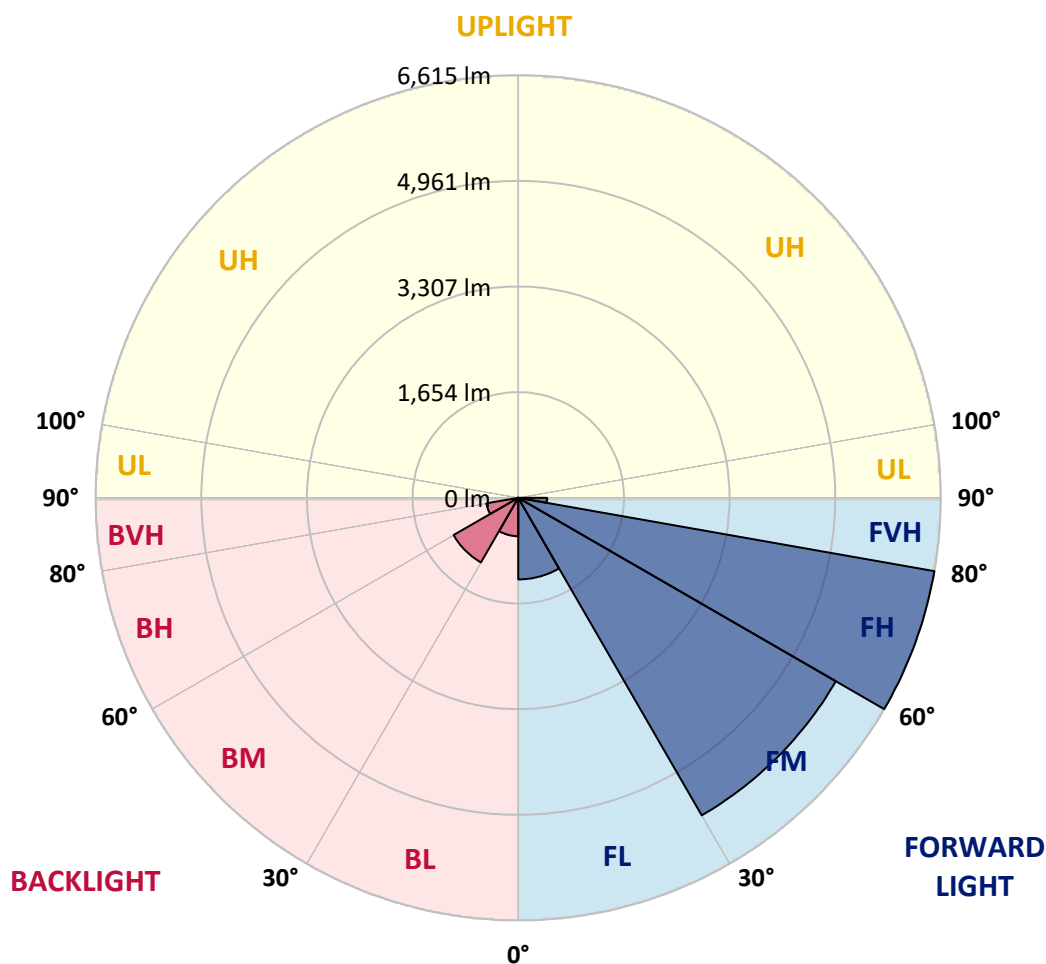
CATALOG NUMBER: NAV-SB4B-835-U-SLR-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1277.2 | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 5739.4 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 6614.9 | 40.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 450.6  | 2.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 601.1  | 3.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1167.8 | 7.1       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 506.4  | 3.1       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 18.0   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G3**

Type IV Short



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CATALOG NUMBER: NAV-SB4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2267.5  | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 |
| 2.5°  | 2561.9  | 2517.9 | 2492.0 | 2427.6 | 2363.3 | 2311.5 | 2241.6 | 2195.2 | 2140.0 | 2087.0 | 2039.5 |
| 5°    | 2855.2  | 2784.1 | 2698.4 | 2581.1 | 2473.9 | 2364.5 | 2258.5 | 2153.5 | 2042.9 | 1941.5 | 1879.4 |
| 7.5°  | 3103.4  | 3000.7 | 2849.6 | 2693.9 | 2557.4 | 2425.4 | 2301.3 | 2162.5 | 2028.3 | 1869.3 | 1784.6 |
| 10°   | 3292.9  | 3162.0 | 2963.5 | 2759.3 | 2602.5 | 2469.4 | 2348.7 | 2231.3 | 2096.0 | 1904.2 | 1798.2 |
| 12.5° | 3408.0  | 3268.1 | 3032.4 | 2793.1 | 2613.8 | 2464.9 | 2371.2 | 2319.4 | 2266.4 | 2075.7 | 1951.6 |
| 15°   | 3492.6  | 3341.4 | 3080.8 | 2816.8 | 2587.8 | 2405.1 | 2336.3 | 2388.1 | 2449.1 | 2327.3 | 2184.0 |
| 17.5° | 3580.5  | 3421.6 | 3144.0 | 2827.1 | 2517.9 | 2288.9 | 2259.6 | 2393.8 | 2534.8 | 2529.2 | 2387.0 |
| 20°   | 3664.1  | 3506.1 | 3199.2 | 2820.2 | 2405.1 | 2147.9 | 2173.8 | 2345.3 | 2508.9 | 2577.7 | 2501.0 |
| 22.5° | 3759.9  | 3592.9 | 3252.3 | 2794.3 | 2258.5 | 2015.9 | 2097.1 | 2268.6 | 2411.8 | 2493.1 | 2469.4 |
| 25°   | 3877.3  | 3702.4 | 3326.7 | 2755.9 | 2100.5 | 1906.5 | 2019.2 | 2179.5 | 2295.7 | 2352.1 | 2350.9 |
| 27.5° | 4003.6  | 3833.3 | 3426.1 | 2735.6 | 1973.0 | 1828.6 | 1931.3 | 2073.5 | 2177.2 | 2216.7 | 2216.7 |
| 30°   | 4160.4  | 3985.5 | 3543.3 | 2713.1 | 1889.6 | 1783.5 | 1839.9 | 1950.5 | 2052.0 | 2091.5 | 2091.5 |
| 32.5° | 4331.9  | 4154.7 | 3656.2 | 2659.0 | 1838.7 | 1749.7 | 1750.8 | 1820.7 | 1913.3 | 1960.6 | 1967.4 |
| 35°   | 4546.2  | 4357.8 | 3776.8 | 2540.5 | 1798.2 | 1710.2 | 1664.0 | 1697.8 | 1774.5 | 1830.9 | 1845.5 |
| 37.5° | 4851.9  | 4624.1 | 3924.6 | 2371.2 | 1738.4 | 1649.2 | 1572.6 | 1580.4 | 1639.1 | 1701.2 | 1723.7 |
| 40°   | 5273.8  | 4981.7 | 4098.4 | 2195.2 | 1652.6 | 1563.5 | 1472.2 | 1468.8 | 1511.7 | 1572.6 | 1597.4 |
| 42.5° | 5844.7  | 5454.3 | 4307.0 | 2027.1 | 1570.3 | 1459.7 | 1366.1 | 1360.5 | 1394.3 | 1447.3 | 1473.3 |
| 45°   | 6598.2  | 6059.0 | 4563.1 | 1882.8 | 1506.0 | 1358.2 | 1265.8 | 1263.4 | 1291.7 | 1337.9 | 1365.0 |
| 47.5° | 7562.8  | 6899.4 | 4819.2 | 1784.6 | 1472.2 | 1278.2 | 1183.4 | 1187.9 | 1212.7 | 1254.4 | 1273.7 |
| 50°   | 8811.5  | 7994.8 | 4897.0 | 1735.0 | 1472.2 | 1235.2 | 1110.1 | 1132.6 | 1152.9 | 1184.5 | 1195.8 |
| 52.5° | 10308.5 | 9046.1 | 4639.9 | 1689.9 | 1481.2 | 1240.9 | 1048.0 | 1096.5 | 1111.2 | 1138.3 | 1142.8 |
| 55°   | 11696.1 | 9561.7 | 3988.9 | 1627.8 | 1483.5 | 1275.9 | 995.0  | 1067.1 | 1094.3 | 1104.4 | 1103.3 |
| 57.5° | 12501.5 | 9384.6 | 3225.3 | 1522.9 | 1474.5 | 1299.6 | 961.1  | 1031.0 | 1083.0 | 1089.8 | 1079.6 |
| 60°   | 12348.1 | 8763.0 | 2374.6 | 1442.8 | 1407.8 | 1290.6 | 951.0  | 975.8  | 1058.1 | 1068.3 | 1054.7 |
| 62.5° | 11165.8 | 7720.7 | 1648.1 | 1380.8 | 1261.2 | 1251.0 | 947.6  | 889.0  | 1004.0 | 1028.8 | 1009.6 |
| 65°   | 8975.1  | 6078.1 | 1164.2 | 1189.0 | 1105.6 | 1165.3 | 929.6  | 798.7  | 938.6  | 972.4  | 943.1  |
| 67.5° | 6511.3  | 4113.0 | 840.4  | 963.4  | 1001.7 | 1026.5 | 889.0  | 733.3  | 864.1  | 909.3  | 870.8  |
| 70°   | 4178.4  | 2221.2 | 590.0  | 636.2  | 843.8  | 872.0  | 819.0  | 674.6  | 788.5  | 840.4  | 798.7  |
| 72.5° | 2970.2  | 1312.0 | 424.1  | 445.6  | 677.9  | 726.5  | 720.9  | 609.2  | 700.6  | 763.7  | 714.1  |
| 75°   | 2049.8  | 723.1  | 286.5  | 318.2  | 491.9  | 590.0  | 556.2  | 523.5  | 593.4  | 657.6  | 609.2  |
| 77.5° | 1284.9  | 323.8  | 171.5  | 221.1  | 322.7  | 463.6  | 381.3  | 405.0  | 462.5  | 522.3  | 471.5  |
| 80°   | 715.2   | 125.3  | 95.8   | 146.7  | 176.0  | 337.3  | 210.9  | 260.6  | 340.7  | 383.6  | 343.0  |
| 82.5° | 155.7   | 15.8   | 42.8   | 63.1   | 68.8   | 196.3  | 111.7  | 151.2  | 214.3  | 210.9  | 182.8  |
| 85°   | 0.0     | 0.0    | 7.9    | 9.0    | 4.5    | 84.6   | 40.6   | 49.6   | 69.9   | 65.4   | 49.6   |
| 87.5° | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 0.0    |
| 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):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 |
| 2.5°  | 2030.5 | 1975.3 | 1934.7 | 1914.4 | 1897.5 | 1913.3 | 1922.3 | 1922.3 | 1960.6 | 1983.2 | 1992.2 |
| 5°    | 1839.9 | 1740.7 | 1665.1 | 1614.3 | 1583.8 | 1594.0 | 1605.3 | 1617.7 | 1666.2 | 1698.9 | 1720.4 |
| 7.5°  | 1708.0 | 1555.6 | 1440.5 | 1369.5 | 1332.3 | 1337.9 | 1345.8 | 1356.0 | 1403.3 | 1436.0 | 1464.3 |
| 10°   | 1683.2 | 1464.3 | 1301.9 | 1208.2 | 1163.1 | 1155.2 | 1150.7 | 1147.3 | 1175.5 | 1200.3 | 1222.8 |
| 12.5° | 1784.6 | 1468.8 | 1242.0 | 1128.1 | 1072.9 | 1049.1 | 1022.0 | 1000.6 | 1005.1 | 1020.9 | 1049.1 |
| 15°   | 1966.3 | 1526.3 | 1222.8 | 1086.4 | 1017.5 | 978.1  | 946.5  | 920.6  | 914.9  | 920.6  | 925.1  |
| 17.5° | 2173.8 | 1604.1 | 1220.6 | 1050.2 | 964.5  | 923.9  | 898.0  | 874.2  | 866.3  | 867.5  | 873.1  |
| 20°   | 2311.5 | 1666.2 | 1213.8 | 1009.6 | 913.8  | 877.7  | 855.1  | 831.4  | 823.5  | 825.7  | 826.9  |
| 22.5° | 2325.0 | 1698.9 | 1203.7 | 964.5  | 862.9  | 832.5  | 810.0  | 788.5  | 787.4  | 787.4  | 794.2  |
| 25°   | 2251.7 | 1698.9 | 1182.2 | 923.9  | 814.5  | 787.4  | 767.1  | 741.2  | 745.7  | 747.9  | 757.0  |
| 27.5° | 2137.7 | 1658.3 | 1141.6 | 891.2  | 772.7  | 744.6  | 724.3  | 700.6  | 706.2  | 709.6  | 719.8  |
| 30°   | 2024.9 | 1606.4 | 1093.2 | 853.9  | 733.3  | 700.6  | 685.9  | 665.5  | 667.8  | 672.3  | 683.7  |
| 32.5° | 1920.0 | 1551.1 | 1035.6 | 823.5  | 693.8  | 661.0  | 649.7  | 627.2  | 630.6  | 635.1  | 647.5  |
| 35°   | 1816.2 | 1490.2 | 967.9  | 787.4  | 657.6  | 624.9  | 615.9  | 590.0  | 592.2  | 599.0  | 612.5  |
| 37.5° | 1704.6 | 1425.9 | 912.7  | 751.3  | 622.7  | 588.9  | 579.8  | 552.8  | 555.0  | 562.9  | 578.7  |
| 40°   | 1587.2 | 1362.7 | 858.4  | 713.0  | 585.5  | 551.7  | 543.8  | 514.4  | 516.7  | 525.7  | 542.6  |
| 42.5° | 1468.8 | 1294.0 | 816.7  | 663.3  | 547.1  | 511.1  | 503.2  | 476.0  | 479.4  | 489.6  | 506.6  |
| 45°   | 1359.4 | 1211.6 | 789.7  | 608.0  | 511.1  | 470.4  | 462.5  | 437.7  | 444.4  | 455.7  | 472.6  |
| 47.5° | 1265.8 | 1127.0 | 778.4  | 561.8  | 472.6  | 428.7  | 421.9  | 401.6  | 412.9  | 425.3  | 438.8  |
| 50°   | 1185.6 | 1045.7 | 763.7  | 514.4  | 436.5  | 392.6  | 385.8  | 372.3  | 386.9  | 399.3  | 411.7  |
| 52.5° | 1128.1 | 953.2  | 732.2  | 471.5  | 405.0  | 362.1  | 359.9  | 353.1  | 366.6  | 377.9  | 389.2  |
| 55°   | 1078.5 | 857.3  | 681.4  | 434.3  | 376.8  | 336.2  | 338.5  | 335.1  | 346.3  | 355.4  | 365.5  |
| 57.5° | 1033.3 | 773.9  | 617.0  | 405.0  | 346.3  | 313.6  | 320.4  | 315.9  | 321.5  | 327.2  | 339.6  |
| 60°   | 979.2  | 689.3  | 540.4  | 372.3  | 310.3  | 291.0  | 299.0  | 286.5  | 285.4  | 287.6  | 291.0  |
| 62.5° | 899.1  | 575.3  | 460.2  | 331.7  | 278.6  | 266.2  | 269.6  | 245.9  | 227.9  | 227.9  | 231.2  |
| 65°   | 787.4  | 462.5  | 385.8  | 286.5  | 242.5  | 232.4  | 230.1  | 196.3  | 171.5  | 169.2  | 179.4  |
| 67.5° | 657.6  | 380.2  | 320.4  | 241.4  | 201.9  | 195.2  | 197.4  | 172.6  | 147.8  | 145.5  | 156.8  |
| 70°   | 535.9  | 314.8  | 258.3  | 192.9  | 155.7  | 162.5  | 172.6  | 147.8  | 124.1  | 120.7  | 130.9  |
| 72.5° | 435.4  | 250.4  | 201.9  | 147.8  | 115.1  | 134.3  | 146.7  | 120.7  | 98.2   | 95.8   | 105.0  |
| 75°   | 336.2  | 183.9  | 144.4  | 100.4  | 83.4   | 103.8  | 115.1  | 87.9   | 69.9   | 66.5   | 74.4   |
| 77.5° | 224.5  | 114.0  | 81.2   | 63.1   | 49.6   | 71.0   | 76.7   | 46.2   | 40.6   | 39.5   | 45.1   |
| 80°   | 136.5  | 53.0   | 35.0   | 30.4   | 16.9   | 25.9   | 30.4   | 19.2   | 21.4   | 22.5   | 27.1   |
| 82.5° | 68.8   | 14.7   | 5.6    | 1.1    | 0.0    | 0.0    | 9.0    | 4.5    | 9.0    | 11.3   | 16.9   |
| 85°   | 5.6    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.3    | 5.6    | 10.1   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.5    |
| 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°    | 275°    | 285°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°    | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5 | 2267.5  | 2267.5  | 2267.5  |
| 2.5°  | 2055.4 | 2102.8 | 2147.9 | 2220.0 | 2294.6 | 2367.9 | 2442.4 | 2514.5 | 2540.5  | 2559.6  | 2602.5  |
| 5°    | 1818.5 | 1907.6 | 2011.4 | 2154.7 | 2308.1 | 2466.0 | 2626.2 | 2772.8 | 2839.5  | 2884.6  | 2986.0  |
| 7.5°  | 1573.7 | 1689.9 | 1838.7 | 2054.3 | 2294.6 | 2546.1 | 2797.6 | 3029.0 | 3136.1  | 3223.0  | 3377.5  |
| 10°   | 1331.2 | 1457.4 | 1645.8 | 1891.8 | 2216.7 | 2577.7 | 2925.1 | 3243.3 | 3382.0  | 3491.5  | 3701.3  |
| 12.5° | 1118.0 | 1236.4 | 1433.8 | 1705.7 | 2094.9 | 2552.9 | 2998.4 | 3380.9 | 3544.4  | 3667.4  | 3897.6  |
| 15°   | 967.9  | 1051.3 | 1226.2 | 1519.6 | 1950.5 | 2472.8 | 3002.9 | 3446.4 | 3625.7  | 3754.3  | 3953.9  |
| 17.5° | 884.5  | 912.7  | 1026.5 | 1330.0 | 1790.3 | 2367.9 | 2961.2 | 3468.9 | 3660.7  | 3780.2  | 3919.0  |
| 20°   | 839.3  | 843.8  | 875.4  | 1084.1 | 1585.0 | 2269.8 | 2921.8 | 3491.5 | 3693.4  | 3793.7  | 3835.6  |
| 22.5° | 803.2  | 803.2  | 811.1  | 886.7  | 1319.9 | 2152.4 | 2909.4 | 3530.9 | 3738.5  | 3800.6  | 3714.8  |
| 25°   | 770.5  | 770.5  | 772.7  | 793.0  | 1045.7 | 1973.0 | 2901.5 | 3591.8 | 3800.6  | 3817.5  | 3581.7  |
| 27.5° | 736.7  | 737.8  | 737.8  | 749.1  | 842.7  | 1729.4 | 2867.6 | 3670.8 | 3875.0  | 3840.1  | 3454.2  |
| 30°   | 702.8  | 705.1  | 705.1  | 713.0  | 745.7  | 1443.9 | 2801.0 | 3765.5 | 3972.0  | 3869.4  | 3327.9  |
| 32.5° | 668.9  | 671.2  | 671.2  | 677.9  | 701.7  | 1152.9 | 2717.6 | 3852.5 | 4070.2  | 3881.8  | 3210.5  |
| 35°   | 634.0  | 637.3  | 635.1  | 644.1  | 668.9  | 917.2  | 2611.5 | 3939.3 | 4176.2  | 3921.2  | 3153.0  |
| 37.5° | 599.0  | 601.3  | 600.1  | 609.2  | 637.3  | 791.9  | 2488.6 | 4004.8 | 4320.6  | 4009.3  | 3221.9  |
| 40°   | 564.1  | 562.9  | 562.9  | 573.1  | 603.5  | 755.8  | 2334.0 | 4108.5 | 4528.1  | 4163.8  | 3521.9  |
| 42.5° | 528.0  | 528.0  | 525.7  | 537.0  | 574.2  | 728.8  | 2186.2 | 4294.6 | 4830.5  | 4409.8  | 4054.4  |
| 45°   | 495.3  | 494.2  | 489.6  | 499.8  | 546.0  | 681.4  | 2134.4 | 4642.1 | 5277.2  | 4808.0  | 4698.5  |
| 47.5° | 463.6  | 462.5  | 451.2  | 460.2  | 512.2  | 638.5  | 2328.4 | 5210.7 | 5896.5  | 5393.4  | 5302.0  |
| 50°   | 435.4  | 436.5  | 415.1  | 423.0  | 478.3  | 605.8  | 2749.2 | 5948.5 | 6719.0  | 6182.0  | 5874.0  |
| 52.5° | 409.5  | 409.5  | 381.3  | 385.8  | 436.5  | 576.5  | 3149.6 | 6748.3 | 7804.1  | 7281.8  | 6540.7  |
| 55°   | 383.6  | 381.3  | 349.7  | 352.0  | 394.8  | 534.7  | 3209.4 | 7528.9 | 9284.2  | 8936.8  | 7452.2  |
| 57.5° | 354.2  | 349.7  | 320.4  | 320.4  | 356.5  | 504.3  | 2781.8 | 8129.1 | 11120.7 | 11368.9 | 8766.4  |
| 60°   | 318.2  | 314.8  | 295.6  | 289.9  | 326.1  | 531.4  | 1962.9 | 8199.0 | 12305.2 | 14603.2 | 11283.2 |
| 62.5° | 271.8  | 276.3  | 266.2  | 258.3  | 296.7  | 551.7  | 1163.1 | 7636.0 | 12018.7 | 15632.0 | 14297.4 |
| 65°   | 214.3  | 232.4  | 230.1  | 224.5  | 326.1  | 464.7  | 687.1  | 6555.4 | 11139.9 | 14801.7 | 13682.6 |
| 67.5° | 182.8  | 195.2  | 191.8  | 191.8  | 341.8  | 353.1  | 432.0  | 5121.5 | 9930.6  | 13816.9 | 12221.8 |
| 70°   | 155.7  | 168.1  | 155.7  | 155.7  | 258.3  | 214.3  | 299.0  | 3576.0 | 8625.4  | 12727.1 | 11262.9 |
| 72.5° | 128.6  | 141.0  | 127.5  | 118.5  | 206.4  | 160.2  | 218.8  | 2234.7 | 7386.8  | 11592.3 | 10606.3 |
| 75°   | 98.2   | 112.9  | 102.7  | 91.3   | 136.5  | 119.6  | 165.8  | 1298.5 | 6119.9  | 9918.2  | 9671.2  |
| 77.5° | 62.0   | 81.2   | 76.7   | 64.3   | 100.4  | 86.8   | 119.6  | 772.7  | 4722.2  | 7750.0  | 8318.6  |
| 80°   | 38.3   | 41.7   | 42.8   | 40.6   | 57.5   | 58.6   | 81.2   | 439.9  | 3232.0  | 5401.3  | 6498.9  |
| 82.5° | 24.8   | 24.8   | 19.2   | 21.4   | 28.2   | 33.8   | 46.2   | 165.8  | 1899.7  | 3288.4  | 4523.6  |
| 85°   | 18.0   | 15.8   | 10.1   | 10.1   | 13.5   | 16.9   | 18.0   | 50.7   | 770.5   | 1298.5  | 1768.8  |
| 87.5° | 9.0    | 7.9    | 3.4    | 4.5    | 6.8    | 5.6    | 4.5    | 2.3    | 194.0   | 415.1   | 291.0   |
| 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: P966331

CATALOG NUMBER: NAV-SB4B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°    |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2267.5  | 2267.5  | 2267.5  | 2267.5  | 2267.5  | 2267.5  | 2267.5  | 2267.5  |
| 2.5°  | 2625.0  | 2660.1  | 2662.3  | 2662.3  | 2631.9  | 2630.8  | 2568.6  | 2561.9  |
| 5°    | 3091.0  | 3113.5  | 3119.2  | 3107.9  | 3047.0  | 3001.8  | 2881.2  | 2855.2  |
| 7.5°  | 3517.4  | 3562.5  | 3562.5  | 3535.4  | 3436.2  | 3343.7  | 3168.8  | 3103.4  |
| 10°   | 3858.1  | 3910.0  | 3898.7  | 3843.4  | 3718.2  | 3590.7  | 3378.6  | 3292.9  |
| 12.5° | 4023.9  | 4076.9  | 4047.6  | 3984.4  | 3862.6  | 3728.3  | 3505.0  | 3408.0  |
| 15°   | 4020.6  | 4005.9  | 3975.4  | 3967.5  | 3908.8  | 3807.4  | 3598.6  | 3492.6  |
| 17.5° | 3877.3  | 3753.1  | 3729.5  | 3808.5  | 3882.9  | 3858.1  | 3679.9  | 3580.5  |
| 20°   | 3650.5  | 3434.0  | 3412.5  | 3563.6  | 3775.7  | 3884.0  | 3755.4  | 3664.1  |
| 22.5° | 3411.4  | 3177.8  | 3128.2  | 3295.2  | 3614.5  | 3891.9  | 3851.3  | 3759.9  |
| 25°   | 3184.6  | 2950.0  | 2900.3  | 3056.0  | 3435.1  | 3878.4  | 3955.1  | 3877.3  |
| 27.5° | 2995.0  | 2768.3  | 2722.1  | 2877.8  | 3262.5  | 3840.1  | 4058.9  | 4003.6  |
| 30°   | 2848.5  | 2638.7  | 2604.7  | 2754.8  | 3113.5  | 3792.6  | 4190.9  | 4160.4  |
| 32.5° | 2762.7  | 2609.2  | 2621.6  | 2744.6  | 3033.5  | 3740.7  | 4317.2  | 4331.9  |
| 35°   | 2847.3  | 2854.1  | 2962.4  | 3013.1  | 3107.9  | 3732.8  | 4488.7  | 4546.2  |
| 37.5° | 3268.1  | 3502.7  | 3727.2  | 3685.5  | 3472.3  | 3824.3  | 4744.7  | 4851.9  |
| 40°   | 3984.4  | 4466.1  | 4830.5  | 4671.4  | 4134.4  | 4104.0  | 5113.6  | 5273.8  |
| 42.5° | 4859.8  | 5676.6  | 6276.7  | 5850.3  | 4988.5  | 4593.6  | 5640.5  | 5844.7  |
| 45°   | 5783.8  | 7169.1  | 8114.4  | 7227.7  | 5898.8  | 5279.5  | 6438.0  | 6598.2  |
| 47.5° | 6757.3  | 8983.0  | 10205.8 | 8755.1  | 6742.7  | 6060.1  | 7525.6  | 7562.8  |
| 50°   | 7822.2  | 10971.8 | 12337.9 | 10281.5 | 7557.1  | 6954.7  | 8854.4  | 8811.5  |
| 52.5° | 8836.3  | 13017.1 | 14424.9 | 11814.6 | 8272.3  | 8064.7  | 10396.5 | 10308.5 |
| 55°   | 9804.2  | 15061.1 | 16524.3 | 13287.8 | 8946.9  | 9531.3  | 12228.6 | 11696.1 |
| 57.5° | 10926.7 | 16898.9 | 18688.0 | 14767.9 | 9890.0  | 11435.5 | 14277.1 | 12501.5 |
| 60°   | 12586.2 | 18987.0 | 21134.9 | 16796.2 | 11683.7 | 13436.7 | 15011.5 | 12348.1 |
| 62.5° | 14704.8 | 20906.9 | 22913.9 | 18783.8 | 13485.2 | 13813.5 | 13929.7 | 11165.8 |
| 65°   | 15116.5 | 21393.2 | 23014.2 | 19315.2 | 13252.8 | 11717.5 | 11372.3 | 8975.1  |
| 67.5° | 14024.5 | 20514.4 | 21610.9 | 18325.9 | 11723.1 | 9055.3  | 8534.0  | 6511.3  |
| 70°   | 12799.4 | 18839.2 | 19165.1 | 16643.9 | 10310.8 | 6660.2  | 5763.5  | 4178.4  |
| 72.5° | 11543.8 | 16604.4 | 15929.8 | 14454.2 | 9062.0  | 4849.7  | 4157.0  | 2970.2  |
| 75°   | 10052.5 | 13665.7 | 12547.7 | 12009.7 | 7503.0  | 3806.2  | 3007.5  | 2049.8  |
| 77.5° | 8050.0  | 9619.2  | 9320.3  | 9309.0  | 5638.2  | 2780.7  | 2006.8  | 1284.9  |
| 80°   | 5678.8  | 6242.9  | 6090.5  | 7011.1  | 3782.5  | 2017.0  | 1208.2  | 715.2   |
| 82.5° | 2749.2  | 3452.0  | 3543.3  | 4175.0  | 1839.9  | 1186.7  | 278.6   | 155.7   |
| 85°   | 1076.2  | 1665.1  | 1404.5  | 1585.0  | 516.7   | 330.6   | 6.8     | 0.0     |
| 87.5° | 120.7   | 192.9   | 177.1   | 139.9   | 63.1    | 13.5    | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

(END OF REPORT)