

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: P963634

Luminaire Tested: **NAV-SB3A-827-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P963634  
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-SB3A-827-U-SLR-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 2700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

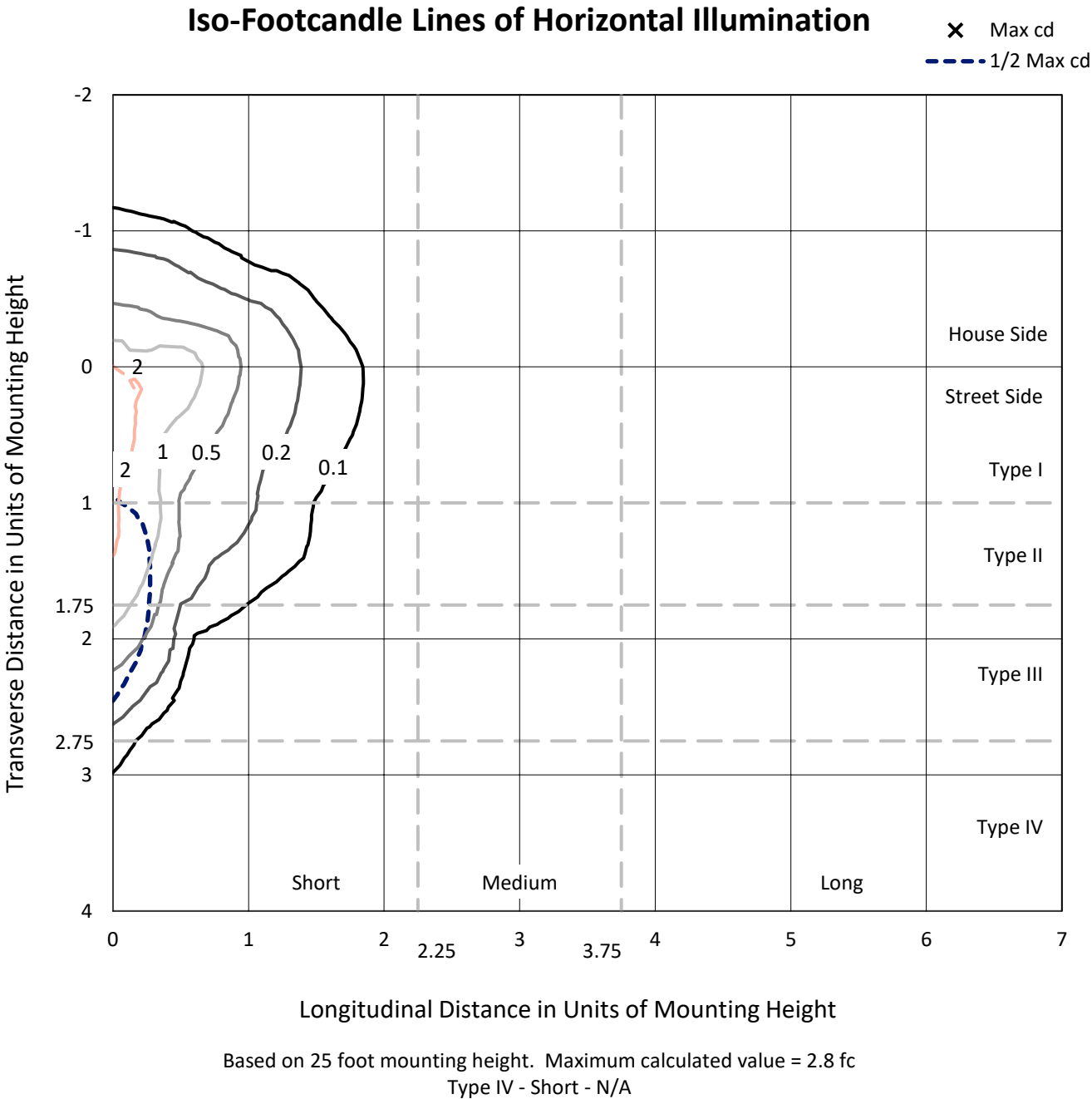
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9155.3 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G3

Input Watts (W): 84.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

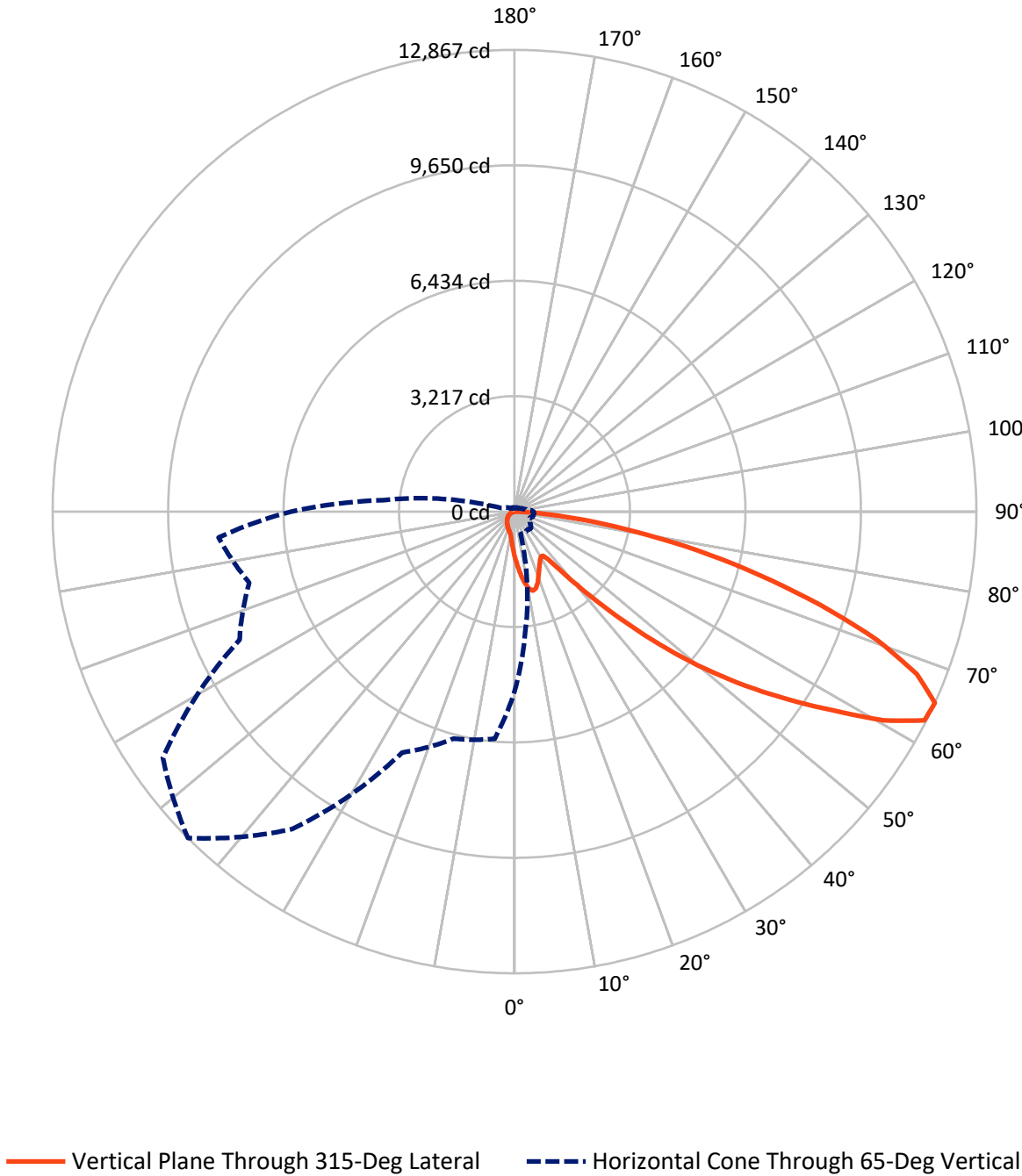


REPORT NUMBER: P963634  
CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS



REPORT NUMBER: P963634  
CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P963634

CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

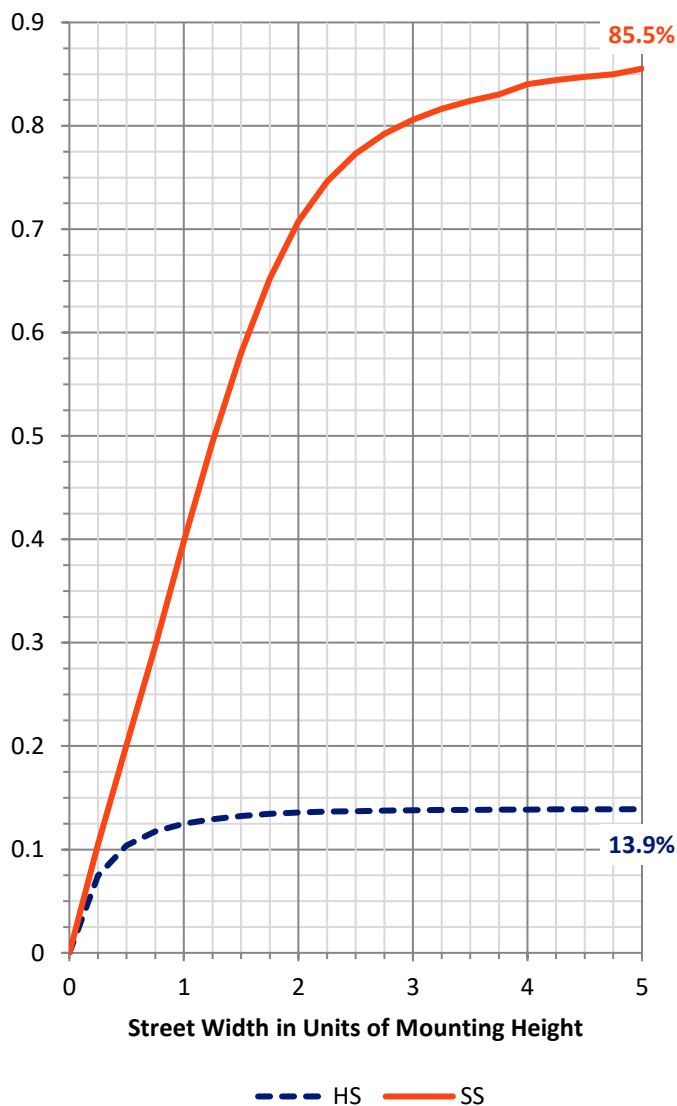
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1282.1   | 0.0    | 1282.1 |
|                    | % Fixture | 14.0     | 0.0    | 14.0   |
| <b>Street Side</b> | Lumens    | 7873.2   | 0.0    | 7873.2 |
|                    | % Fixture | 86.0     | 0.0    | 86.0   |
| <b>Total</b>       | Lumens    | 9155.3   | 0.0    | 9155.3 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 124.8  | 1.4       |
| 10°-20°   | 374.1  | 4.1       |
| 20°-30°   | 551.2  | 6.0       |
| 30°-40°   | 708.1  | 7.7       |
| 40°-50°   | 1145.3 | 12.5      |
| 50°-60°   | 2008.3 | 21.9      |
| 60°-70°   | 2513.0 | 27.4      |
| 70°-80°   | 1468.5 | 16.0      |
| 80°-90°   | 262.0  | 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°    | 9155.3 | 100.0     |
| 0°-180°   | 9155.3 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P963634

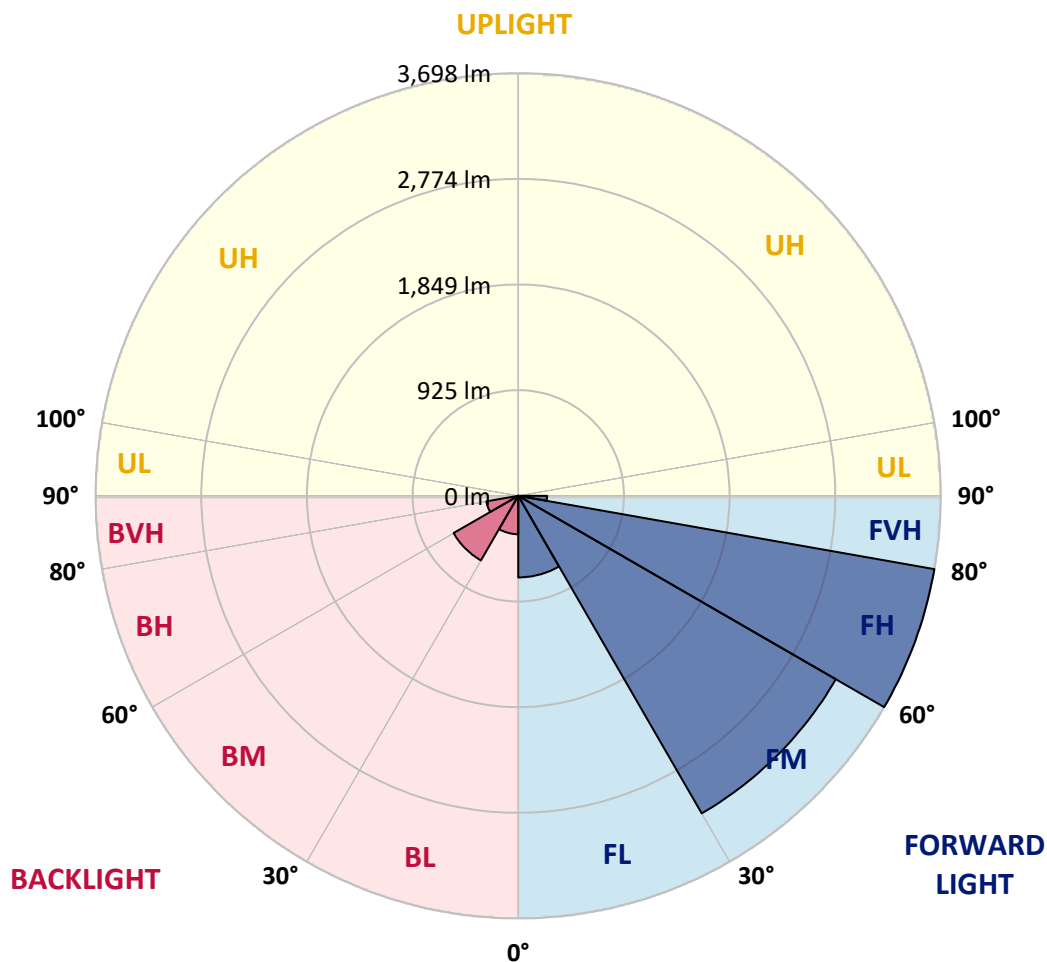
CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 714.1  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 3208.8 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 3698.3 | 40.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 251.9  | 2.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 336.1  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 652.9  | 7.1       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 283.1  | 3.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 10.1   | 0.1       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short



REPORT NUMBER: P963634

CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 |
| 2.5°  | 1432.3 | 1407.7 | 1393.2 | 1357.3 | 1321.3 | 1292.3 | 1253.2 | 1227.3 | 1196.5 | 1166.8 | 1140.3 |
| 5°    | 1596.3 | 1556.6 | 1508.6 | 1443.1 | 1383.1 | 1321.9 | 1262.7 | 1204.0 | 1142.2 | 1085.5 | 1050.7 |
| 7.5°  | 1735.0 | 1677.7 | 1593.2 | 1506.1 | 1429.8 | 1356.0 | 1286.7 | 1209.1 | 1134.0 | 1045.1 | 997.7  |
| 10°   | 1841.0 | 1767.8 | 1656.8 | 1542.7 | 1455.0 | 1380.6 | 1313.1 | 1247.5 | 1171.9 | 1064.7 | 1005.3 |
| 12.5° | 1905.4 | 1827.2 | 1695.4 | 1561.6 | 1461.3 | 1378.1 | 1325.7 | 1296.7 | 1267.1 | 1160.5 | 1091.1 |
| 15°   | 1952.6 | 1868.2 | 1722.4 | 1574.9 | 1446.8 | 1344.7 | 1306.2 | 1335.2 | 1369.3 | 1301.1 | 1221.1 |
| 17.5° | 2001.8 | 1913.0 | 1757.8 | 1580.6 | 1407.7 | 1279.7 | 1263.3 | 1338.3 | 1417.2 | 1414.1 | 1334.6 |
| 20°   | 2048.6 | 1960.2 | 1788.7 | 1576.8 | 1344.7 | 1200.9 | 1215.3 | 1311.3 | 1402.7 | 1441.1 | 1398.3 |
| 22.5° | 2102.2 | 2008.8 | 1818.4 | 1562.3 | 1262.7 | 1127.1 | 1172.5 | 1268.3 | 1348.5 | 1393.9 | 1380.6 |
| 25°   | 2167.8 | 2070.0 | 1860.0 | 1540.8 | 1174.3 | 1065.9 | 1128.9 | 1218.5 | 1283.5 | 1315.0 | 1314.4 |
| 27.5° | 2238.4 | 2143.2 | 1915.4 | 1529.5 | 1103.1 | 1022.3 | 1079.7 | 1159.3 | 1217.3 | 1239.3 | 1239.3 |
| 30°   | 2326.0 | 2228.2 | 1981.0 | 1516.8 | 1056.5 | 997.1  | 1028.7 | 1090.5 | 1147.3 | 1169.3 | 1169.3 |
| 32.5° | 2421.9 | 2322.9 | 2044.2 | 1486.6 | 1028.1 | 978.3  | 978.9  | 1017.9 | 1069.7 | 1096.1 | 1099.9 |
| 35°   | 2541.7 | 2436.4 | 2111.6 | 1420.3 | 1005.3 | 956.1  | 930.3  | 949.3  | 992.1  | 1023.7 | 1031.9 |
| 37.5° | 2712.7 | 2585.3 | 2194.2 | 1325.7 | 971.9  | 922.1  | 879.2  | 883.7  | 916.5  | 951.1  | 963.7  |
| 40°   | 2948.5 | 2785.2 | 2291.4 | 1227.3 | 923.9  | 874.1  | 823.1  | 821.1  | 845.1  | 879.2  | 893.1  |
| 42.5° | 3267.7 | 3049.5 | 2408.0 | 1133.3 | 877.9  | 816.1  | 763.8  | 760.7  | 779.5  | 809.2  | 823.7  |
| 45°   | 3689.0 | 3387.5 | 2551.2 | 1052.7 | 842.0  | 759.3  | 707.7  | 706.4  | 722.1  | 748.0  | 763.1  |
| 47.5° | 4228.2 | 3857.4 | 2694.4 | 997.7  | 823.1  | 714.6  | 661.6  | 664.1  | 678.0  | 701.3  | 712.1  |
| 50°   | 4926.5 | 4469.8 | 2737.9 | 970.1  | 823.1  | 690.6  | 620.6  | 633.2  | 644.6  | 662.3  | 668.5  |
| 52.5° | 5763.4 | 5057.7 | 2594.1 | 944.8  | 828.1  | 693.8  | 585.9  | 613.1  | 621.3  | 636.4  | 638.9  |
| 55°   | 6539.2 | 5345.9 | 2230.2 | 910.1  | 829.3  | 713.3  | 556.3  | 596.7  | 611.8  | 617.5  | 616.8  |
| 57.5° | 6989.5 | 5246.9 | 1803.2 | 851.5  | 824.3  | 726.6  | 537.4  | 576.5  | 605.5  | 609.3  | 603.6  |
| 60°   | 6903.7 | 4899.3 | 1327.7 | 806.7  | 787.1  | 721.5  | 531.7  | 545.6  | 591.6  | 597.3  | 589.7  |
| 62.5° | 6242.8 | 4316.6 | 921.5  | 772.0  | 705.1  | 699.5  | 529.8  | 497.0  | 561.3  | 575.2  | 564.5  |
| 65°   | 5017.9 | 3398.3 | 650.9  | 664.7  | 618.1  | 651.5  | 519.7  | 446.5  | 524.7  | 543.7  | 527.3  |
| 67.5° | 3640.4 | 2299.6 | 469.9  | 538.6  | 560.1  | 573.9  | 497.0  | 410.0  | 483.1  | 508.3  | 486.9  |
| 70°   | 2336.2 | 1241.9 | 329.8  | 355.7  | 471.8  | 487.5  | 457.9  | 377.2  | 440.9  | 469.9  | 446.5  |
| 72.5° | 1660.6 | 733.5  | 237.2  | 249.2  | 379.0  | 406.2  | 403.0  | 340.6  | 391.7  | 427.0  | 399.2  |
| 75°   | 1145.9 | 404.3  | 160.2  | 177.8  | 275.0  | 329.8  | 311.0  | 292.6  | 331.8  | 367.7  | 340.6  |
| 77.5° | 718.4  | 181.0  | 95.8   | 123.6  | 180.4  | 259.2  | 213.2  | 226.4  | 258.6  | 292.0  | 263.6  |
| 80°   | 399.9  | 70.0   | 53.6   | 82.0   | 98.4   | 188.6  | 118.0  | 145.7  | 190.4  | 214.4  | 191.8  |
| 82.5° | 87.0   | 8.8    | 24.0   | 35.4   | 38.4   | 109.8  | 62.4   | 84.6   | 119.8  | 118.0  | 102.2  |
| 85°   | 0.0    | 0.0    | 4.4    | 5.0    | 2.6    | 47.3   | 22.8   | 27.8   | 39.1   | 36.6   | 27.8   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    | 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    |

REPORT NUMBER: P963634

CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 |
| 2.5°  | 1135.3 | 1104.3 | 1081.7 | 1070.3 | 1060.9 | 1069.7 | 1074.7 | 1074.7 | 1096.1 | 1108.7 | 1113.9 |
| 5°    | 1028.7 | 973.1  | 930.9  | 902.5  | 885.5  | 891.1  | 897.5  | 904.5  | 931.5  | 949.9  | 961.9  |
| 7.5°  | 954.9  | 869.7  | 805.4  | 765.7  | 744.9  | 748.0  | 752.5  | 758.1  | 784.6  | 802.9  | 818.7  |
| 10°   | 941.1  | 818.7  | 727.9  | 675.5  | 650.3  | 645.9  | 643.3  | 641.4  | 657.2  | 671.1  | 683.7  |
| 12.5° | 997.7  | 821.1  | 694.4  | 630.7  | 599.8  | 586.5  | 571.4  | 559.4  | 562.0  | 570.8  | 586.5  |
| 15°   | 1099.3 | 853.3  | 683.7  | 607.4  | 568.9  | 546.8  | 529.2  | 514.7  | 511.5  | 514.7  | 517.2  |
| 17.5° | 1215.3 | 896.9  | 682.4  | 587.2  | 539.3  | 516.5  | 502.0  | 488.8  | 484.4  | 485.0  | 488.2  |
| 20°   | 1292.3 | 931.5  | 678.7  | 564.5  | 510.9  | 490.7  | 478.1  | 464.8  | 460.4  | 461.7  | 462.3  |
| 22.5° | 1299.9 | 949.9  | 672.9  | 539.3  | 482.5  | 465.5  | 452.8  | 440.9  | 440.2  | 440.2  | 444.0  |
| 25°   | 1258.9 | 949.9  | 661.0  | 516.5  | 455.4  | 440.2  | 428.9  | 414.4  | 416.9  | 418.2  | 423.2  |
| 27.5° | 1195.1 | 927.1  | 638.3  | 498.3  | 432.0  | 416.3  | 404.9  | 391.7  | 394.8  | 396.7  | 402.4  |
| 30°   | 1132.1 | 898.1  | 611.1  | 477.4  | 410.0  | 391.7  | 383.5  | 372.1  | 373.4  | 375.9  | 382.2  |
| 32.5° | 1073.5 | 867.3  | 579.0  | 460.4  | 387.9  | 369.6  | 363.3  | 350.7  | 352.6  | 355.1  | 362.0  |
| 35°   | 1015.5 | 833.1  | 541.1  | 440.2  | 367.7  | 349.4  | 344.4  | 329.8  | 331.1  | 334.9  | 342.5  |
| 37.5° | 953.0  | 797.2  | 510.2  | 420.0  | 348.2  | 329.2  | 324.2  | 309.0  | 310.3  | 314.7  | 323.6  |
| 40°   | 887.4  | 761.9  | 480.0  | 398.6  | 327.4  | 308.4  | 304.0  | 287.6  | 288.8  | 293.9  | 303.4  |
| 42.5° | 821.1  | 723.4  | 456.6  | 370.8  | 305.9  | 285.7  | 281.3  | 266.2  | 268.0  | 273.7  | 283.2  |
| 45°   | 760.0  | 677.4  | 441.5  | 340.0  | 285.7  | 263.0  | 258.6  | 244.7  | 248.5  | 254.8  | 264.2  |
| 47.5° | 707.7  | 630.1  | 435.2  | 314.1  | 264.2  | 239.6  | 235.9  | 224.6  | 230.8  | 237.8  | 245.4  |
| 50°   | 662.9  | 584.7  | 427.0  | 287.6  | 244.1  | 219.5  | 215.7  | 208.2  | 216.4  | 223.2  | 230.2  |
| 52.5° | 630.7  | 532.9  | 409.3  | 263.6  | 226.4  | 202.4  | 201.2  | 197.4  | 205.0  | 211.3  | 217.6  |
| 55°   | 602.9  | 479.3  | 381.0  | 242.8  | 210.6  | 188.0  | 189.2  | 187.4  | 193.6  | 198.6  | 204.4  |
| 57.5° | 577.7  | 432.7  | 345.0  | 226.4  | 193.6  | 175.4  | 179.2  | 176.6  | 179.8  | 182.9  | 189.8  |
| 60°   | 547.5  | 385.4  | 302.1  | 208.2  | 173.4  | 162.8  | 167.2  | 160.2  | 159.6  | 160.8  | 162.8  |
| 62.5° | 502.7  | 321.6  | 257.4  | 185.4  | 155.8  | 148.8  | 150.8  | 137.5  | 127.4  | 127.4  | 129.3  |
| 65°   | 440.2  | 258.6  | 215.7  | 160.2  | 135.6  | 130.0  | 128.6  | 109.8  | 95.8   | 94.6   | 100.2  |
| 67.5° | 367.7  | 212.6  | 179.2  | 135.0  | 112.9  | 109.2  | 110.4  | 96.5   | 82.6   | 81.4   | 87.6   |
| 70°   | 299.6  | 176.0  | 144.4  | 107.8  | 87.0   | 90.8   | 96.5   | 82.6   | 69.4   | 67.4   | 73.2   |
| 72.5° | 243.4  | 140.0  | 112.9  | 82.6   | 64.4   | 75.0   | 82.0   | 67.4   | 54.8   | 53.6   | 58.6   |
| 75°   | 188.0  | 102.8  | 80.8   | 56.2   | 46.6   | 58.0   | 64.4   | 49.2   | 39.1   | 37.2   | 41.6   |
| 77.5° | 125.5  | 63.7   | 45.4   | 35.4   | 27.8   | 39.8   | 42.8   | 25.8   | 22.8   | 22.0   | 25.2   |
| 80°   | 76.4   | 29.6   | 19.6   | 17.0   | 9.4    | 14.6   | 17.0   | 10.8   | 12.0   | 12.6   | 15.2   |
| 82.5° | 38.4   | 8.2    | 3.2    | 0.6    | 0.0    | 0.0    | 5.0    | 2.6    | 5.0    | 6.4    | 9.4    |
| 85°   | 3.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.2    | 3.2    | 5.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.6    |
| 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: P963634

CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 | 1267.7 |
| 2.5°  | 1149.1 | 1175.7 | 1200.9 | 1241.3 | 1282.9 | 1323.9 | 1365.5 | 1405.9 | 1420.3 | 1431.1 | 1455.0 |
| 5°    | 1016.7 | 1066.5 | 1124.5 | 1204.7 | 1290.4 | 1378.7 | 1468.3 | 1550.3 | 1587.5 | 1612.7 | 1669.5 |
| 7.5°  | 879.9  | 944.8  | 1028.1 | 1148.5 | 1282.9 | 1423.5 | 1564.1 | 1693.4 | 1753.4 | 1802.0 | 1888.4 |
| 10°   | 744.3  | 814.9  | 920.2  | 1057.7 | 1239.3 | 1441.1 | 1635.4 | 1813.2 | 1890.8 | 1952.0 | 2069.4 |
| 12.5° | 625.0  | 691.3  | 801.7  | 953.7  | 1171.3 | 1427.3 | 1676.4 | 1890.2 | 1981.6 | 2050.4 | 2179.0 |
| 15°   | 541.1  | 587.8  | 685.6  | 849.5  | 1090.5 | 1382.5 | 1679.0 | 1926.8 | 2027.0 | 2099.0 | 2210.6 |
| 17.5° | 494.5  | 510.2  | 573.9  | 743.6  | 1000.9 | 1323.9 | 1655.6 | 1939.4 | 2046.6 | 2113.4 | 2191.0 |
| 20°   | 469.2  | 471.8  | 489.4  | 606.1  | 886.1  | 1268.9 | 1633.5 | 1952.0 | 2065.0 | 2121.0 | 2144.4 |
| 22.5° | 449.1  | 449.1  | 453.5  | 495.7  | 737.9  | 1203.4 | 1626.6 | 1974.2 | 2090.2 | 2124.8 | 2077.0 |
| 25°   | 430.8  | 430.8  | 432.0  | 443.4  | 584.7  | 1103.1 | 1622.2 | 2008.2 | 2124.8 | 2134.3 | 2002.4 |
| 27.5° | 411.8  | 412.5  | 412.5  | 418.8  | 471.1  | 966.9  | 1603.2 | 2052.4 | 2166.4 | 2147.0 | 1931.2 |
| 30°   | 392.9  | 394.2  | 394.2  | 398.6  | 416.9  | 807.3  | 1566.0 | 2105.2 | 2220.7 | 2163.4 | 1860.6 |
| 32.5° | 374.0  | 375.3  | 375.3  | 379.0  | 392.3  | 644.6  | 1519.4 | 2153.8 | 2275.6 | 2170.2 | 1795.0 |
| 35°   | 354.4  | 356.4  | 355.1  | 360.1  | 374.0  | 512.8  | 1460.1 | 2202.4 | 2334.8 | 2192.4 | 1762.8 |
| 37.5° | 334.9  | 336.2  | 335.6  | 340.6  | 356.4  | 442.8  | 1391.3 | 2239.0 | 2415.6 | 2241.6 | 1801.3 |
| 40°   | 315.4  | 314.7  | 314.7  | 320.4  | 337.4  | 422.6  | 1304.9 | 2297.0 | 2531.6 | 2328.0 | 1969.0 |
| 42.5° | 295.2  | 295.2  | 293.9  | 300.2  | 321.0  | 407.4  | 1222.3 | 2401.1 | 2700.7 | 2465.4 | 2266.8 |
| 45°   | 276.9  | 276.2  | 273.7  | 279.4  | 305.2  | 381.0  | 1193.3 | 2595.3 | 2950.5 | 2688.1 | 2626.9 |
| 47.5° | 259.2  | 258.6  | 252.3  | 257.4  | 286.4  | 357.0  | 1301.8 | 2913.3 | 3296.7 | 3015.4 | 2964.3 |
| 50°   | 243.4  | 244.1  | 232.1  | 236.5  | 267.4  | 338.7  | 1537.0 | 3325.7 | 3756.5 | 3456.3 | 3284.1 |
| 52.5° | 229.0  | 229.0  | 213.2  | 215.7  | 244.1  | 322.3  | 1761.0 | 3772.9 | 4363.2 | 4071.2 | 3656.8 |
| 55°   | 214.4  | 213.2  | 195.5  | 196.8  | 220.8  | 299.0  | 1794.4 | 4209.4 | 5190.7 | 4996.5 | 4166.4 |
| 57.5° | 198.0  | 195.5  | 179.2  | 179.2  | 199.3  | 281.9  | 1555.3 | 4544.8 | 6217.4 | 6356.2 | 4901.2 |
| 60°   | 177.8  | 176.0  | 165.2  | 162.1  | 182.2  | 297.0  | 1097.5 | 4584.0 | 6879.7 | 8164.4 | 6308.3 |
| 62.5° | 152.0  | 154.6  | 148.8  | 144.4  | 165.8  | 308.4  | 650.3  | 4269.2 | 6719.5 | 8739.7 | 7993.6 |
| 65°   | 119.8  | 130.0  | 128.6  | 125.5  | 182.2  | 259.8  | 384.1  | 3665.0 | 6228.2 | 8275.4 | 7649.8 |
| 67.5° | 102.2  | 109.2  | 107.2  | 107.2  | 191.1  | 197.4  | 241.6  | 2863.4 | 5552.1 | 7724.9 | 6833.1 |
| 70°   | 87.0   | 94.0   | 87.0   | 87.0   | 144.4  | 119.8  | 167.2  | 1999.4 | 4822.3 | 7115.7 | 6297.0 |
| 72.5° | 71.9   | 78.8   | 71.2   | 66.2   | 115.4  | 89.6   | 122.4  | 1249.5 | 4129.8 | 6481.1 | 5929.9 |
| 75°   | 54.8   | 63.0   | 57.4   | 51.0   | 76.4   | 66.8   | 92.8   | 725.9  | 3421.6 | 5545.1 | 5407.1 |
| 77.5° | 34.6   | 45.4   | 42.8   | 36.0   | 56.2   | 48.6   | 66.8   | 432.0  | 2640.1 | 4333.0 | 4650.8 |
| 80°   | 21.4   | 23.4   | 24.0   | 22.8   | 32.2   | 32.8   | 45.4   | 246.0  | 1807.0 | 3019.9 | 3633.5 |
| 82.5° | 13.8   | 13.8   | 10.8   | 12.0   | 15.8   | 19.0   | 25.8   | 92.8   | 1062.1 | 1838.5 | 2529.1 |
| 85°   | 10.0   | 8.8    | 5.6    | 5.6    | 7.6    | 9.4    | 10.0   | 28.4   | 430.8  | 725.9  | 988.9  |
| 87.5° | 5.0    | 4.4    | 1.8    | 2.6    | 3.8    | 3.2    | 2.6    | 1.2    | 108.4  | 232.1  | 162.8  |
| 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: P963634

CATALOG NUMBER: NAV-SB3A-827-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°    | 315°    | 325°    | 335°   | 345°   | 355°   | 360°   |
|-------|--------|---------|---------|---------|--------|--------|--------|--------|
| 0°    | 1267.7 | 1267.7  | 1267.7  | 1267.7  | 1267.7 | 1267.7 | 1267.7 | 1267.7 |
| 2.5°  | 1467.7 | 1487.2  | 1488.5  | 1488.5  | 1471.4 | 1470.8 | 1436.1 | 1432.3 |
| 5°    | 1728.2 | 1740.8  | 1743.9  | 1737.6  | 1703.6 | 1678.3 | 1610.8 | 1596.3 |
| 7.5°  | 1966.6 | 1991.8  | 1991.8  | 1976.6  | 1921.2 | 1869.4 | 1771.6 | 1735.0 |
| 10°   | 2157.0 | 2186.0  | 2179.8  | 2148.8  | 2078.8 | 2007.6 | 1889.0 | 1841.0 |
| 12.5° | 2249.8 | 2279.4  | 2263.0  | 2227.6  | 2159.6 | 2084.4 | 1959.6 | 1905.4 |
| 15°   | 2247.8 | 2239.6  | 2222.6  | 2218.2  | 2185.4 | 2128.6 | 2012.0 | 1952.6 |
| 17.5° | 2167.8 | 2098.4  | 2085.2  | 2129.2  | 2170.8 | 2157.0 | 2057.4 | 2001.8 |
| 20°   | 2041.0 | 1919.8  | 1907.8  | 1992.4  | 2111.0 | 2171.6 | 2099.6 | 2048.6 |
| 22.5° | 1907.2 | 1776.7  | 1749.0  | 1842.3  | 2020.8 | 2176.0 | 2153.2 | 2102.2 |
| 25°   | 1780.5 | 1649.3  | 1621.6  | 1708.6  | 1920.5 | 2168.4 | 2211.2 | 2167.8 |
| 27.5° | 1674.5 | 1547.7  | 1521.9  | 1608.9  | 1824.0 | 2147.0 | 2269.2 | 2238.4 |
| 30°   | 1592.5 | 1475.2  | 1456.3  | 1540.2  | 1740.8 | 2120.4 | 2343.0 | 2326.0 |
| 32.5° | 1544.6 | 1458.8  | 1465.7  | 1534.5  | 1696.0 | 2091.4 | 2413.7 | 2421.9 |
| 35°   | 1591.9 | 1595.7  | 1656.2  | 1684.6  | 1737.6 | 2087.0 | 2509.6 | 2541.7 |
| 37.5° | 1827.2 | 1958.4  | 2083.8  | 2060.6  | 1941.4 | 2138.0 | 2652.7 | 2712.7 |
| 40°   | 2227.6 | 2497.0  | 2700.7  | 2611.7  | 2311.6 | 2294.5 | 2859.0 | 2948.5 |
| 42.5° | 2717.1 | 3173.7  | 3509.2  | 3270.9  | 2789.0 | 2568.2 | 3153.5 | 3267.7 |
| 45°   | 3233.7 | 4008.2  | 4536.6  | 4041.0  | 3297.9 | 2951.7 | 3599.4 | 3689.0 |
| 47.5° | 3777.9 | 5022.3  | 5706.0  | 4894.9  | 3769.7 | 3388.1 | 4207.4 | 4228.2 |
| 50°   | 4373.3 | 6134.2  | 6898.0  | 5748.2  | 4225.0 | 3888.3 | 4950.4 | 4926.5 |
| 52.5° | 4940.3 | 7277.7  | 8064.8  | 6605.4  | 4625.0 | 4508.9 | 5812.6 | 5763.4 |
| 55°   | 5481.5 | 8420.6  | 9238.5  | 7429.1  | 5002.1 | 5328.9 | 6836.9 | 6539.2 |
| 57.5° | 6109.0 | 9447.9  | 10448.2 | 8256.6  | 5529.4 | 6393.4 | 7982.2 | 6989.5 |
| 60°   | 7036.7 | 10615.4 | 11816.2 | 9390.5  | 6532.2 | 7512.3 | 8392.8 | 6903.7 |
| 62.5° | 8221.2 | 11688.9 | 12810.9 | 10501.8 | 7539.5 | 7723.0 | 7787.9 | 6242.8 |
| 65°   | 8451.4 | 11960.7 | 12867.0 | 10798.9 | 7409.5 | 6551.1 | 6358.2 | 5017.9 |
| 67.5° | 7840.9 | 11469.3 | 12082.4 | 10245.8 | 6554.3 | 5062.7 | 4771.3 | 3640.4 |
| 70°   | 7155.9 | 10532.8 | 10715.0 | 9305.5  | 5764.6 | 3723.7 | 3222.3 | 2336.2 |
| 72.5° | 6454.0 | 9283.3  | 8906.2  | 8081.2  | 5066.5 | 2711.4 | 2324.2 | 1660.6 |
| 75°   | 5620.2 | 7640.4  | 7015.3  | 6714.5  | 4194.8 | 2128.0 | 1681.4 | 1145.9 |
| 77.5° | 4500.7 | 5378.0  | 5210.9  | 5204.5  | 3152.3 | 1554.7 | 1122.1 | 718.4  |
| 80°   | 3174.9 | 3490.3  | 3405.2  | 3919.8  | 2114.8 | 1127.7 | 675.5  | 399.9  |
| 82.5° | 1537.0 | 1930.0  | 1981.0  | 2334.2  | 1028.7 | 663.5  | 155.8  | 87.0   |
| 85°   | 601.7  | 930.9   | 785.3   | 886.1   | 288.8  | 184.8  | 3.8    | 0.0    |
| 87.5° | 67.4   | 107.8   | 99.0    | 78.2    | 35.4   | 7.6    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)