

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: P959481

Luminaire Tested: **NAV-SB1A-835-U-SLR**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P959481  
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-SB1A-835-U-SLR  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3500K, 350mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: -

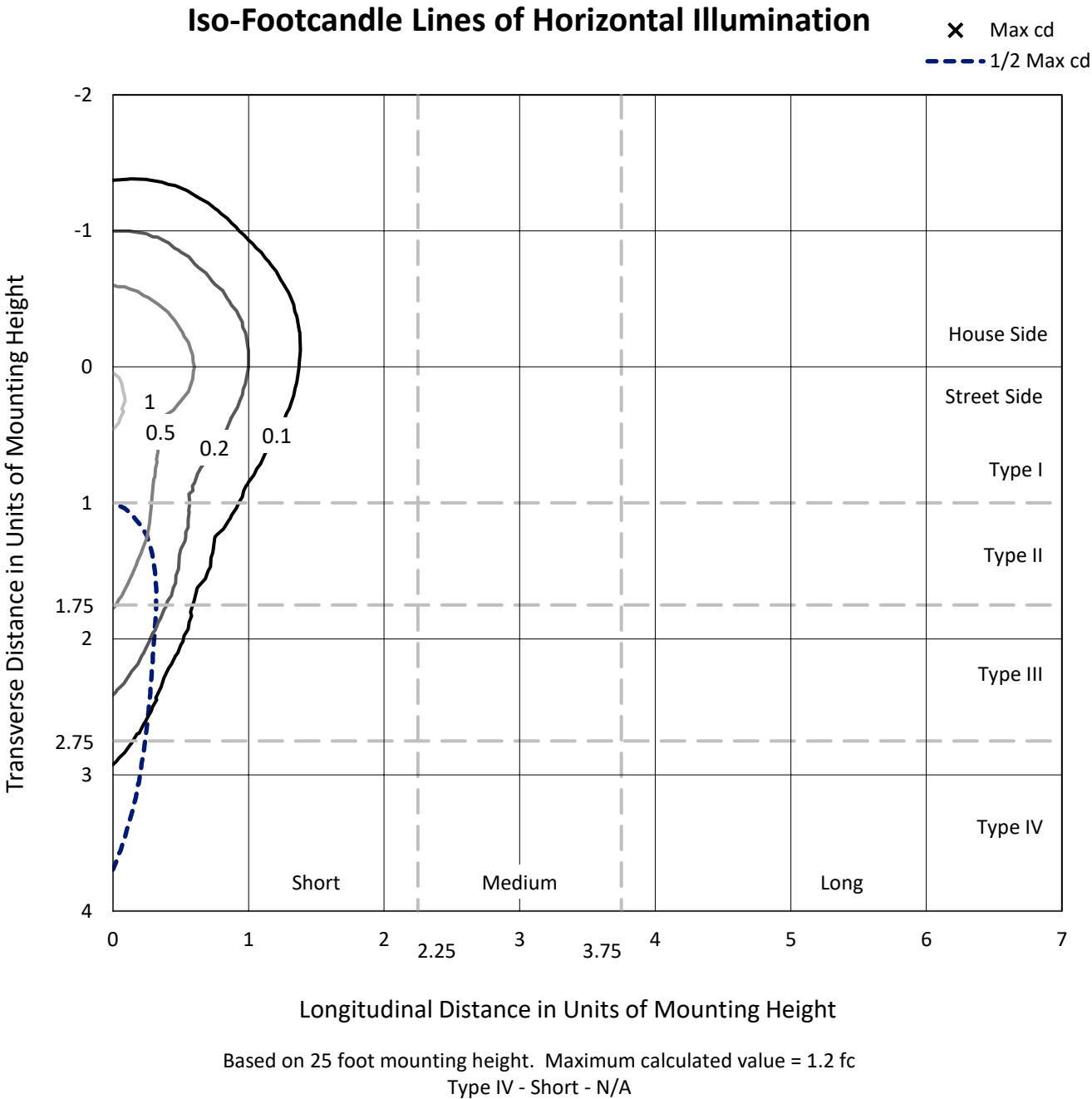
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4250.7 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

Input Watts (W): 30.9  
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

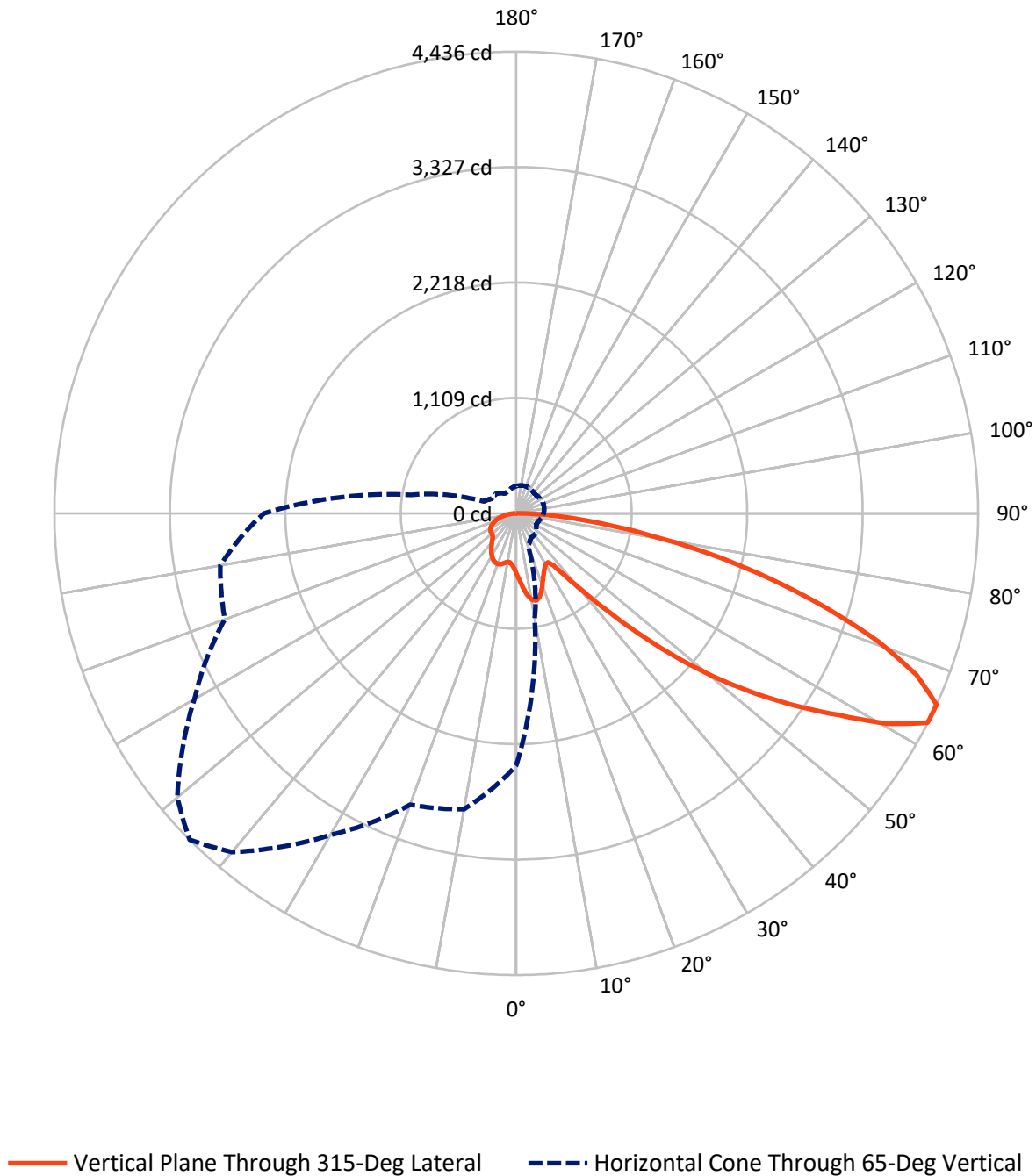


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## Luminous Intensity Polar Plot



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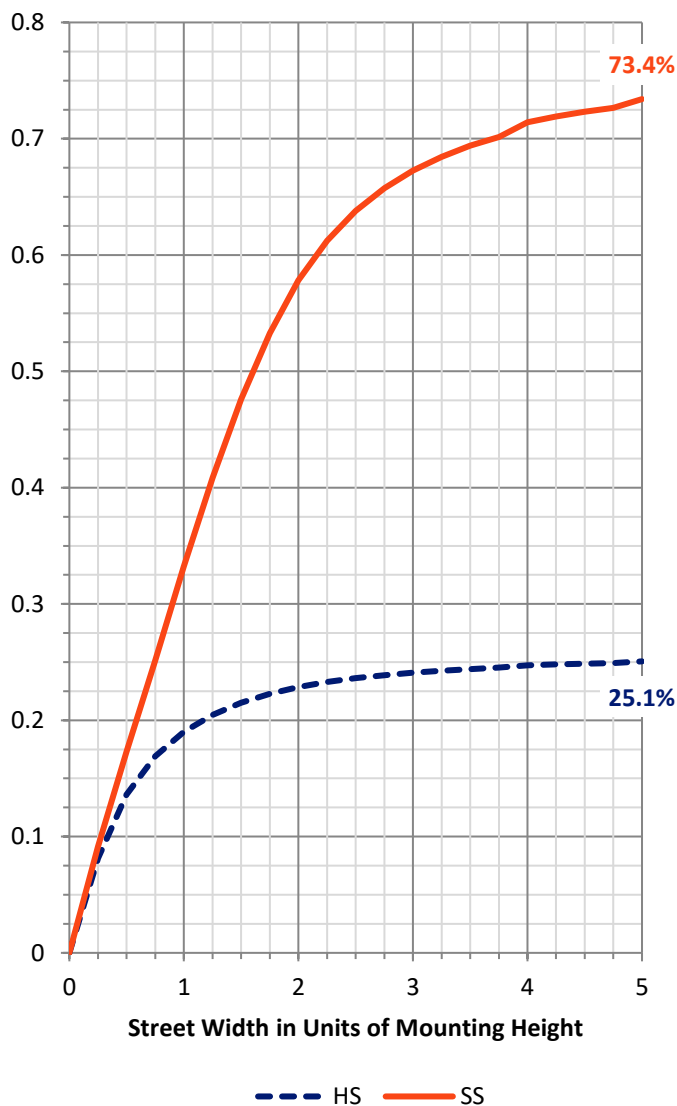
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1080.3   | 0.0    | 1080.3 |
|                    | % Fixture | 25.4     | 0.0    | 25.4   |
| <b>Street Side</b> | Lumens    | 3170.4   | 0.0    | 3170.4 |
|                    | % Fixture | 74.6     | 0.0    | 74.6   |
| <b>Total</b>       | Lumens    | 4250.7   | 0.0    | 4250.7 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.0   | 1.4       |
| 10°-20°   | 182.0  | 4.3       |
| 20°-30°   | 281.2  | 6.6       |
| 30°-40°   | 356.3  | 8.4       |
| 40°-50°   | 537.4  | 12.6      |
| 50°-60°   | 868.2  | 20.4      |
| 60°-70°   | 1082.4 | 25.5      |
| 70°-80°   | 709.8  | 16.7      |
| 80°-90°   | 175.5  | 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°    | 4250.7 | 100.0     |
| 0°-180°   | 4250.7 | 100.0     |

**Coefficient of Utilization**



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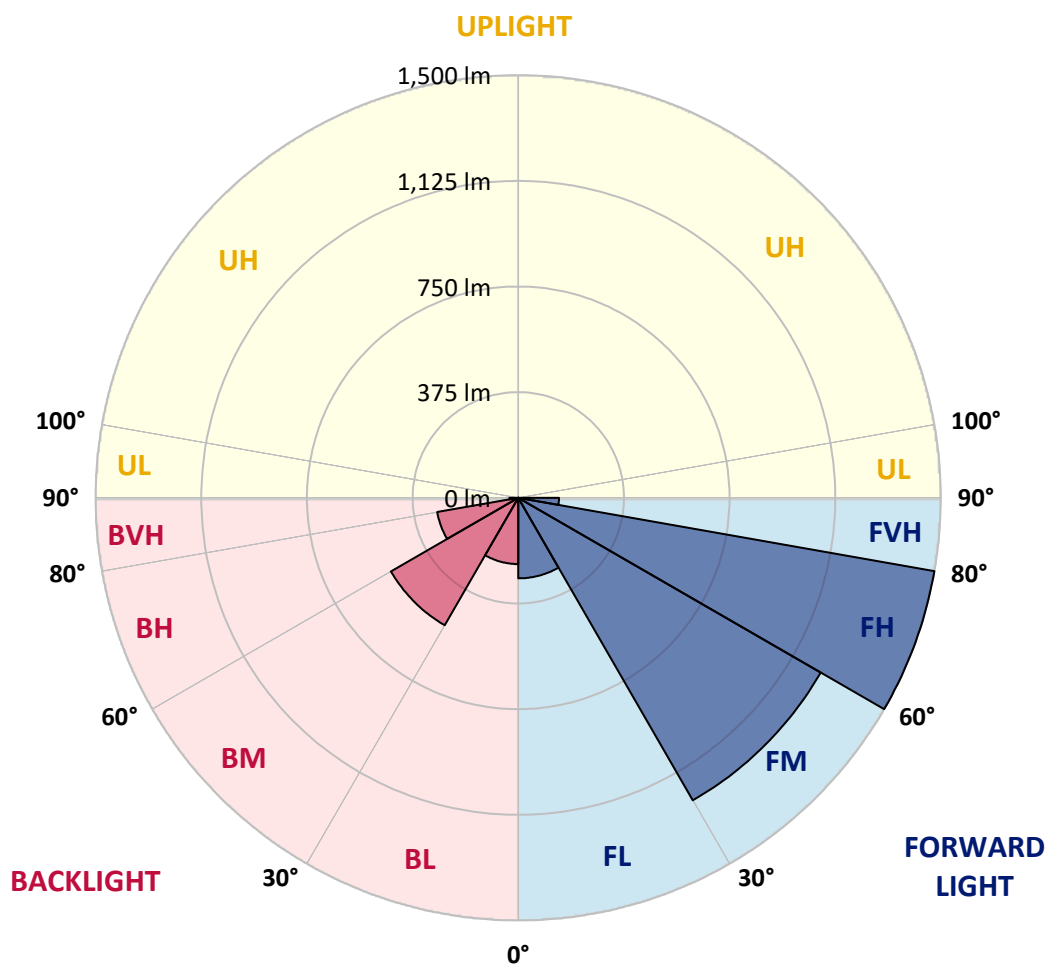
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 285.9  | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 1239.8 | 29.2      |                         |      |         |
| FH   | (60°-80°)   | 1500.1 | 35.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 144.5  | 3.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 235.3  | 5.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 522.1  | 12.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 292.1  | 6.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 30.9   | 0.7       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 584.5  | 584.5  | 584.5  | 584.5  | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 |
| 2.5°  | 628.5  | 623.7  | 618.9  | 613.8  | 608.6 | 603.5 | 598.4 | 593.5 | 588.5 | 583.7 | 578.4 |
| 5°    | 675.9  | 665.2  | 654.6  | 644.0  | 633.3 | 622.7 | 612.0 | 602.0 | 592.0 | 582.6 | 573.3 |
| 7.5°  | 723.4  | 705.9  | 688.3  | 672.1  | 655.8 | 640.0 | 624.2 | 610.3 | 596.3 | 583.5 | 571.4 |
| 10°   | 759.9  | 737.7  | 715.4  | 694.0  | 672.5 | 653.3 | 634.2 | 617.7 | 601.2 | 585.3 | 572.4 |
| 12.5° | 782.2  | 757.8  | 733.4  | 709.1  | 684.8 | 662.2 | 639.5 | 620.8 | 602.2 | 585.5 | 573.5 |
| 15°   | 795.8  | 770.3  | 744.9  | 718.5  | 692.1 | 666.0 | 639.9 | 618.4 | 596.8 | 578.3 | 568.7 |
| 17.5° | 803.4  | 777.6  | 751.7  | 723.0  | 694.2 | 664.0 | 633.7 | 607.7 | 581.8 | 560.1 | 554.1 |
| 20°   | 811.8  | 785.0  | 758.2  | 726.5  | 694.9 | 658.3 | 621.6 | 589.4 | 557.2 | 531.9 | 530.3 |
| 22.5° | 821.5  | 794.2  | 766.7  | 731.2  | 695.8 | 651.2 | 606.5 | 567.7 | 529.1 | 500.3 | 503.4 |
| 25°   | 834.1  | 807.3  | 780.4  | 739.8  | 699.4 | 644.2 | 589.1 | 543.8 | 498.4 | 468.8 | 477.1 |
| 27.5° | 851.2  | 825.5  | 799.9  | 753.4  | 706.7 | 639.6 | 572.4 | 521.7 | 471.1 | 444.2 | 454.3 |
| 30°   | 874.2  | 849.4  | 824.7  | 770.8  | 716.9 | 637.3 | 557.9 | 503.4 | 448.8 | 426.3 | 434.2 |
| 32.5° | 901.3  | 876.8  | 852.3  | 788.9  | 725.6 | 634.7 | 543.8 | 487.5 | 431.2 | 413.1 | 416.6 |
| 35°   | 934.3  | 910.8  | 887.3  | 809.6  | 732.1 | 629.7 | 527.3 | 471.9 | 416.6 | 401.4 | 400.0 |
| 37.5° | 989.8  | 959.9  | 930.0  | 832.9  | 735.8 | 620.9 | 506.0 | 453.6 | 401.1 | 387.8 | 382.4 |
| 40°   | 1073.7 | 1030.1 | 986.5  | 862.3  | 738.3 | 609.0 | 479.8 | 431.6 | 383.6 | 371.6 | 363.4 |
| 42.5° | 1184.9 | 1122.0 | 1059.0 | 901.0  | 742.8 | 596.7 | 450.6 | 407.5 | 364.4 | 353.4 | 343.1 |
| 45°   | 1322.4 | 1237.4 | 1152.5 | 951.7  | 750.8 | 585.2 | 419.6 | 381.8 | 344.1 | 332.8 | 322.9 |
| 47.5° | 1494.1 | 1374.6 | 1255.1 | 1005.7 | 756.3 | 575.7 | 395.1 | 361.5 | 327.9 | 313.4 | 304.8 |
| 50°   | 1719.3 | 1539.1 | 1359.0 | 1055.9 | 752.8 | 565.4 | 378.1 | 348.1 | 318.0 | 299.0 | 289.0 |
| 52.5° | 1977.8 | 1712.1 | 1446.3 | 1088.4 | 730.6 | 548.0 | 365.4 | 339.2 | 313.0 | 291.1 | 277.2 |
| 55°   | 2253.1 | 1865.3 | 1477.5 | 1081.3 | 685.0 | 519.1 | 353.2 | 332.7 | 312.2 | 291.9 | 270.9 |
| 57.5° | 2503.4 | 1973.8 | 1444.4 | 1030.7 | 617.2 | 478.4 | 339.6 | 325.1 | 310.7 | 292.7 | 267.1 |
| 60°   | 2654.6 | 2001.0 | 1347.4 | 936.7  | 526.1 | 425.5 | 324.8 | 313.4 | 302.1 | 290.3 | 263.6 |
| 62.5° | 2577.8 | 1886.7 | 1195.7 | 809.6  | 423.6 | 362.2 | 300.7 | 293.2 | 285.7 | 284.1 | 259.4 |
| 65°   | 2424.0 | 1725.1 | 1026.0 | 680.0  | 333.9 | 305.2 | 276.5 | 273.0 | 269.4 | 269.6 | 250.7 |
| 67.5° | 2218.0 | 1532.6 | 847.2  | 552.9  | 258.6 | 250.5 | 242.3 | 244.4 | 246.3 | 245.8 | 235.2 |
| 70°   | 1970.6 | 1322.7 | 674.8  | 435.3  | 195.9 | 198.2 | 200.6 | 209.8 | 219.0 | 219.0 | 215.6 |
| 72.5° | 1675.6 | 1095.0 | 514.6  | 332.8  | 151.1 | 158.2 | 165.2 | 178.2 | 191.4 | 193.5 | 193.6 |
| 75°   | 1302.5 | 834.1  | 365.8  | 241.6  | 117.4 | 123.7 | 130.1 | 144.7 | 159.4 | 169.5 | 168.7 |
| 77.5° | 930.6  | 583.8  | 237.1  | 163.7  | 90.3  | 94.7  | 99.0  | 113.3 | 127.5 | 144.2 | 143.8 |
| 80°   | 609.1  | 376.2  | 143.2  | 105.5  | 67.8  | 69.5  | 71.3  | 83.4  | 95.4  | 115.4 | 115.3 |
| 82.5° | 354.0  | 217.7  | 81.4   | 64.9   | 48.4  | 48.7  | 49.1  | 57.9  | 66.8  | 83.8  | 84.9  |
| 85°   | 155.8  | 97.9   | 40.1   | 34.6   | 29.3  | 29.1  | 28.9  | 35.5  | 41.9  | 54.6  | 55.9  |
| 87.5° | 48.2   | 32.1   | 15.9   | 14.3   | 12.8  | 12.7  | 12.5  | 15.2  | 17.8  | 23.1  | 24.7  |
| 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 95°   | 100°  | 105°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 |
| 2.5°  | 574.1 | 569.8 | 565.9 | 562.1 | 558.7 | 555.3 | 551.9 | 548.5 | 545.9 | 543.2 | 541.1 |
| 5°    | 565.2 | 557.0 | 550.2 | 543.5 | 537.4 | 531.4 | 525.9 | 520.5 | 516.3 | 512.1 | 509.1 |
| 7.5°  | 560.7 | 549.8 | 540.9 | 531.9 | 524.4 | 516.8 | 510.0 | 503.4 | 498.5 | 493.4 | 489.9 |
| 10°   | 561.0 | 549.6 | 540.6 | 531.7 | 523.5 | 515.3 | 507.8 | 500.3 | 494.4 | 488.3 | 484.4 |
| 12.5° | 564.2 | 554.8 | 548.9 | 542.9 | 536.6 | 530.1 | 522.4 | 514.7 | 507.0 | 499.4 | 494.4 |
| 15°   | 564.3 | 559.8 | 560.6 | 561.4 | 559.8 | 558.1 | 551.3 | 544.6 | 533.7 | 522.9 | 515.2 |
| 17.5° | 555.8 | 557.4 | 567.1 | 577.0 | 582.1 | 587.3 | 581.9 | 576.5 | 562.0 | 547.7 | 536.4 |
| 20°   | 537.9 | 545.6 | 562.5 | 579.5 | 590.4 | 601.4 | 598.8 | 596.2 | 579.8 | 563.4 | 549.6 |
| 22.5° | 514.7 | 525.9 | 545.3 | 564.7 | 578.9 | 593.1 | 594.6 | 596.0 | 580.4 | 564.7 | 550.4 |
| 25°   | 490.2 | 503.2 | 520.6 | 538.1 | 552.0 | 565.9 | 571.1 | 576.4 | 563.4 | 550.6 | 537.9 |
| 27.5° | 466.9 | 479.4 | 493.7 | 508.1 | 519.3 | 530.4 | 536.2 | 542.0 | 532.8 | 523.7 | 513.8 |
| 30°   | 444.1 | 454.2 | 466.1 | 478.0 | 487.2 | 496.5 | 501.2 | 505.9 | 498.9 | 491.9 | 484.8 |
| 32.5° | 422.4 | 428.3 | 437.9 | 447.3 | 456.2 | 465.1 | 470.4 | 475.6 | 469.2 | 462.8 | 457.2 |
| 35°   | 401.5 | 403.1 | 410.4 | 417.6 | 426.4 | 435.2 | 441.5 | 447.8 | 443.2 | 438.7 | 433.5 |
| 37.5° | 380.7 | 378.8 | 384.1 | 389.3 | 398.0 | 406.8 | 414.6 | 422.3 | 420.2 | 418.1 | 413.4 |
| 40°   | 359.3 | 355.3 | 359.0 | 362.7 | 371.2 | 379.7 | 388.6 | 397.6 | 398.1 | 398.5 | 394.5 |
| 42.5° | 337.6 | 332.3 | 335.4 | 338.5 | 346.4 | 354.4 | 364.2 | 373.8 | 376.4 | 378.9 | 375.6 |
| 45°   | 317.6 | 312.4 | 315.0 | 317.5 | 325.1 | 332.8 | 342.8 | 352.8 | 356.5 | 360.2 | 357.1 |
| 47.5° | 300.4 | 296.0 | 298.5 | 300.8 | 308.3 | 315.8 | 325.6 | 335.6 | 339.8 | 344.1 | 341.9 |
| 50°   | 285.1 | 281.3 | 285.0 | 288.7 | 295.8 | 302.9 | 311.7 | 320.5 | 326.0 | 331.5 | 331.3 |
| 52.5° | 273.4 | 269.5 | 275.1 | 280.8 | 287.3 | 293.7 | 302.0 | 310.2 | 316.7 | 323.2 | 324.3 |
| 55°   | 264.8 | 258.7 | 266.8 | 274.8 | 281.8 | 288.7 | 295.9 | 303.1 | 310.0 | 316.9 | 318.5 |
| 57.5° | 258.3 | 249.4 | 258.0 | 266.7 | 274.8 | 283.0 | 290.2 | 297.2 | 304.2 | 311.1 | 312.7 |
| 60°   | 252.0 | 240.6 | 248.2 | 255.7 | 265.1 | 274.5 | 281.8 | 289.0 | 295.9 | 302.9 | 304.7 |
| 62.5° | 245.1 | 230.7 | 235.5 | 240.4 | 251.2 | 262.2 | 270.0 | 277.7 | 284.0 | 290.4 | 292.1 |
| 65°   | 235.4 | 220.2 | 222.0 | 223.9 | 235.5 | 247.3 | 254.7 | 262.1 | 267.7 | 273.3 | 275.1 |
| 67.5° | 222.5 | 209.7 | 209.2 | 208.6 | 219.5 | 230.2 | 237.3 | 244.3 | 249.1 | 253.9 | 255.6 |
| 70°   | 206.4 | 197.4 | 195.4 | 193.4 | 202.8 | 212.4 | 218.4 | 224.5 | 228.9 | 233.3 | 234.9 |
| 72.5° | 187.4 | 181.2 | 178.2 | 175.3 | 182.8 | 190.2 | 195.7 | 201.2 | 205.5 | 209.7 | 211.8 |
| 75°   | 163.9 | 159.2 | 156.3 | 153.4 | 159.0 | 164.6 | 169.5 | 174.5 | 178.5 | 182.3 | 184.4 |
| 77.5° | 139.9 | 136.1 | 133.2 | 130.4 | 134.9 | 139.4 | 143.7 | 147.9 | 152.0 | 156.1 | 158.1 |
| 80°   | 112.1 | 108.9 | 106.5 | 104.0 | 107.8 | 111.6 | 115.2 | 118.8 | 121.9 | 124.9 | 127.5 |
| 82.5° | 83.2  | 81.7  | 79.9  | 78.3  | 78.0  | 77.7  | 76.4  | 75.1  | 81.8  | 88.5  | 92.8  |
| 85°   | 54.1  | 52.5  | 50.5  | 48.7  | 47.0  | 45.4  | 41.9  | 38.4  | 44.7  | 50.9  | 56.3  |
| 87.5° | 24.0  | 23.4  | 23.0  | 22.7  | 22.5  | 22.4  | 19.8  | 17.1  | 19.8  | 22.3  | 24.6  |
| 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°    | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 |
| 2.5°  | 538.9 | 537.3 | 535.7 | 534.1 | 532.6 | 530.6 | 532.6 | 534.1 | 535.7 | 537.3 | 538.9 |
| 5°    | 506.1 | 504.1 | 502.0 | 500.4 | 498.9 | 497.2 | 498.9 | 500.4 | 502.0 | 504.1 | 506.1 |
| 7.5°  | 486.5 | 484.0 | 481.6 | 480.2 | 478.8 | 477.8 | 478.8 | 480.2 | 481.6 | 484.0 | 486.5 |
| 10°   | 480.5 | 478.2 | 475.9 | 474.8 | 473.6 | 473.0 | 473.6 | 474.8 | 475.9 | 478.2 | 480.5 |
| 12.5° | 489.3 | 486.8 | 484.2 | 483.2 | 482.2 | 482.0 | 482.2 | 483.2 | 484.2 | 486.8 | 489.3 |
| 15°   | 507.5 | 504.0 | 500.5 | 499.2 | 497.8 | 497.7 | 497.8 | 499.2 | 500.5 | 504.0 | 507.5 |
| 17.5° | 525.1 | 519.9 | 514.7 | 512.9 | 511.2 | 511.0 | 511.2 | 512.9 | 514.7 | 519.9 | 525.1 |
| 20°   | 535.8 | 529.1 | 522.3 | 520.3 | 518.1 | 517.4 | 518.1 | 520.3 | 522.3 | 529.1 | 535.8 |
| 22.5° | 536.1 | 529.1 | 522.0 | 519.7 | 517.3 | 516.3 | 517.3 | 519.7 | 522.0 | 529.1 | 536.1 |
| 25°   | 525.2 | 519.2 | 513.1 | 510.9 | 508.6 | 507.4 | 508.6 | 510.9 | 513.1 | 519.2 | 525.2 |
| 27.5° | 504.0 | 499.9 | 495.8 | 494.8 | 493.7 | 493.4 | 493.7 | 494.8 | 495.8 | 499.9 | 504.0 |
| 30°   | 477.8 | 475.7 | 473.6 | 473.6 | 473.6 | 474.0 | 473.6 | 473.6 | 473.6 | 475.7 | 477.8 |
| 32.5° | 451.5 | 450.2 | 448.7 | 449.0 | 449.2 | 449.5 | 449.2 | 449.0 | 448.7 | 450.2 | 451.5 |
| 35°   | 428.2 | 426.2 | 424.1 | 423.7 | 423.2 | 423.0 | 423.2 | 423.7 | 424.1 | 426.2 | 428.2 |
| 37.5° | 408.6 | 404.8 | 401.0 | 399.0 | 397.0 | 395.9 | 397.0 | 399.0 | 401.0 | 404.8 | 408.6 |
| 40°   | 390.4 | 384.9 | 379.5 | 375.8 | 372.1 | 369.8 | 372.1 | 375.8 | 379.5 | 384.9 | 390.4 |
| 42.5° | 372.1 | 365.3 | 358.4 | 353.0 | 347.6 | 344.1 | 347.6 | 353.0 | 358.4 | 365.3 | 372.1 |
| 45°   | 354.0 | 346.2 | 338.5 | 332.1 | 325.7 | 321.6 | 325.7 | 332.1 | 338.5 | 346.2 | 354.0 |
| 47.5° | 339.8 | 332.8 | 325.8 | 320.0 | 314.2 | 310.2 | 314.2 | 320.0 | 325.8 | 332.8 | 339.8 |
| 50°   | 331.3 | 325.6 | 320.1 | 314.7 | 309.2 | 305.4 | 309.2 | 314.7 | 320.1 | 325.6 | 331.3 |
| 52.5° | 325.5 | 320.9 | 316.4 | 311.6 | 306.7 | 303.2 | 306.7 | 311.6 | 316.4 | 320.9 | 325.5 |
| 55°   | 320.1 | 316.2 | 312.2 | 307.9 | 303.7 | 300.5 | 303.7 | 307.9 | 312.2 | 316.2 | 320.1 |
| 57.5° | 314.4 | 310.4 | 306.5 | 302.2 | 298.0 | 294.7 | 298.0 | 302.2 | 306.5 | 310.4 | 314.4 |
| 60°   | 306.5 | 302.6 | 298.7 | 294.4 | 290.0 | 286.7 | 290.0 | 294.4 | 298.7 | 302.6 | 306.5 |
| 62.5° | 293.9 | 290.4 | 286.8 | 282.3 | 277.7 | 273.7 | 277.7 | 282.3 | 286.8 | 290.4 | 293.9 |
| 65°   | 276.9 | 273.5 | 270.1 | 265.6 | 261.2 | 257.7 | 261.2 | 265.6 | 270.1 | 273.5 | 276.9 |
| 67.5° | 257.4 | 254.3 | 251.1 | 247.0 | 242.9 | 239.7 | 242.9 | 247.0 | 251.1 | 254.3 | 257.4 |
| 70°   | 236.6 | 234.0 | 231.5 | 227.6 | 223.7 | 220.1 | 223.7 | 227.6 | 231.5 | 234.0 | 236.6 |
| 72.5° | 213.7 | 211.6 | 209.5 | 205.7 | 201.9 | 198.5 | 201.9 | 205.7 | 209.5 | 211.6 | 213.7 |
| 75°   | 186.4 | 185.4 | 184.4 | 181.2 | 178.0 | 174.8 | 178.0 | 181.2 | 184.4 | 185.4 | 186.4 |
| 77.5° | 160.0 | 158.6 | 157.0 | 153.9 | 150.7 | 148.0 | 150.7 | 153.9 | 157.0 | 158.6 | 160.0 |
| 80°   | 130.1 | 129.5 | 128.8 | 124.5 | 120.2 | 115.3 | 120.2 | 124.5 | 128.8 | 129.5 | 130.1 |
| 82.5° | 97.1  | 96.9  | 96.6  | 93.0  | 89.3  | 86.1  | 89.3  | 93.0  | 96.6  | 96.9  | 97.1  |
| 85°   | 61.7  | 61.2  | 60.8  | 57.9  | 55.1  | 52.3  | 55.1  | 57.9  | 60.8  | 61.2  | 61.7  |
| 87.5° | 26.8  | 26.2  | 25.6  | 24.2  | 22.7  | 21.3  | 22.7  | 24.2  | 25.6  | 26.2  | 26.8  |
| 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: P959481

CATALOG NUMBER: NAV-SB1A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  | 185°  | 190°  | 195°  | 200°  | 205°  | 210°  | 215°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 |
| 2.5°  | 541.1 | 543.2 | 545.9 | 548.5 | 551.9 | 555.3 | 558.7 | 562.1 | 565.9 | 569.8 | 574.1 |
| 5°    | 509.1 | 512.1 | 516.3 | 520.5 | 525.9 | 531.4 | 537.4 | 543.5 | 550.2 | 557.0 | 565.2 |
| 7.5°  | 489.9 | 493.4 | 498.5 | 503.4 | 510.0 | 516.8 | 524.4 | 531.9 | 540.9 | 549.8 | 560.7 |
| 10°   | 484.4 | 488.3 | 494.4 | 500.3 | 507.8 | 515.3 | 523.5 | 531.7 | 540.6 | 549.6 | 561.0 |
| 12.5° | 494.4 | 499.4 | 507.0 | 514.7 | 522.4 | 530.1 | 536.6 | 542.9 | 548.9 | 554.8 | 564.2 |
| 15°   | 515.2 | 522.9 | 533.7 | 544.6 | 551.3 | 558.1 | 559.8 | 561.4 | 560.6 | 559.8 | 564.3 |
| 17.5° | 536.4 | 547.7 | 562.0 | 576.5 | 581.9 | 587.3 | 582.1 | 577.0 | 567.1 | 557.4 | 555.8 |
| 20°   | 549.6 | 563.4 | 579.8 | 596.2 | 598.8 | 601.4 | 590.4 | 579.5 | 562.5 | 545.6 | 537.9 |
| 22.5° | 550.4 | 564.7 | 580.4 | 596.0 | 594.6 | 593.1 | 578.9 | 564.7 | 545.3 | 525.9 | 514.7 |
| 25°   | 537.9 | 550.6 | 563.4 | 576.4 | 571.1 | 565.9 | 552.0 | 538.1 | 520.6 | 503.2 | 490.2 |
| 27.5° | 513.8 | 523.7 | 532.8 | 542.0 | 536.2 | 530.4 | 519.3 | 508.1 | 493.7 | 479.4 | 466.9 |
| 30°   | 484.8 | 491.9 | 498.9 | 505.9 | 501.2 | 496.5 | 487.2 | 478.0 | 466.1 | 454.2 | 444.1 |
| 32.5° | 457.2 | 462.8 | 469.2 | 475.6 | 470.4 | 465.1 | 456.2 | 447.3 | 437.9 | 428.3 | 422.4 |
| 35°   | 433.5 | 438.7 | 443.2 | 447.8 | 441.5 | 435.2 | 426.4 | 417.6 | 410.4 | 403.1 | 401.5 |
| 37.5° | 413.4 | 418.1 | 420.2 | 422.3 | 414.6 | 406.8 | 398.0 | 389.3 | 384.1 | 378.8 | 380.7 |
| 40°   | 394.5 | 398.5 | 398.1 | 397.6 | 388.6 | 379.7 | 371.2 | 362.7 | 359.0 | 355.3 | 359.3 |
| 42.5° | 375.6 | 378.9 | 376.4 | 373.8 | 364.2 | 354.4 | 346.4 | 338.5 | 335.4 | 332.3 | 337.6 |
| 45°   | 357.1 | 360.2 | 356.5 | 352.8 | 342.8 | 332.8 | 325.1 | 317.5 | 315.0 | 312.4 | 317.6 |
| 47.5° | 341.9 | 344.1 | 339.8 | 335.6 | 325.6 | 315.8 | 308.3 | 300.8 | 298.5 | 296.0 | 300.4 |
| 50°   | 331.3 | 331.5 | 326.0 | 320.5 | 311.7 | 302.9 | 295.8 | 288.7 | 285.0 | 281.3 | 285.1 |
| 52.5° | 324.3 | 323.2 | 316.7 | 310.2 | 302.0 | 293.7 | 287.3 | 280.8 | 275.1 | 269.5 | 273.4 |
| 55°   | 318.5 | 316.9 | 310.0 | 303.1 | 295.9 | 288.7 | 281.8 | 274.8 | 266.8 | 258.7 | 264.8 |
| 57.5° | 312.7 | 311.1 | 304.2 | 297.2 | 290.2 | 283.0 | 274.8 | 266.7 | 258.0 | 249.4 | 258.3 |
| 60°   | 304.7 | 302.9 | 295.9 | 289.0 | 281.8 | 274.5 | 265.1 | 255.7 | 248.2 | 240.6 | 252.0 |
| 62.5° | 292.1 | 290.4 | 284.0 | 277.7 | 270.0 | 262.2 | 251.2 | 240.4 | 235.5 | 230.7 | 245.1 |
| 65°   | 275.1 | 273.3 | 267.7 | 262.1 | 254.7 | 247.3 | 235.5 | 223.9 | 222.0 | 220.2 | 235.4 |
| 67.5° | 255.6 | 253.9 | 249.1 | 244.3 | 237.3 | 230.2 | 219.5 | 208.6 | 209.2 | 209.7 | 222.5 |
| 70°   | 234.9 | 233.3 | 228.9 | 224.5 | 218.4 | 212.4 | 202.8 | 193.4 | 195.4 | 197.4 | 206.4 |
| 72.5° | 211.8 | 209.7 | 205.5 | 201.2 | 195.7 | 190.2 | 182.8 | 175.3 | 178.2 | 181.2 | 187.4 |
| 75°   | 184.4 | 182.3 | 178.5 | 174.5 | 169.5 | 164.6 | 159.0 | 153.4 | 156.3 | 159.2 | 163.9 |
| 77.5° | 158.1 | 156.1 | 152.0 | 147.9 | 143.7 | 139.4 | 134.9 | 130.4 | 133.2 | 136.1 | 139.9 |
| 80°   | 127.5 | 124.9 | 121.9 | 118.8 | 115.2 | 111.6 | 107.8 | 104.0 | 106.5 | 108.9 | 112.1 |
| 82.5° | 92.8  | 88.5  | 81.8  | 75.1  | 76.4  | 77.7  | 78.0  | 78.3  | 79.9  | 81.7  | 83.2  |
| 85°   | 56.3  | 50.9  | 44.7  | 38.4  | 41.9  | 45.4  | 47.0  | 48.7  | 50.5  | 52.5  | 54.1  |
| 87.5° | 24.6  | 22.3  | 19.8  | 17.1  | 19.8  | 22.4  | 22.5  | 22.7  | 23.0  | 23.4  | 24.0  |
| 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: P959481

CATALOG NUMBER: NAV-SB1A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 220°  | 225°  | 230°  | 235°  | 240°  | 245°  | 250°  | 255°   | 260°   | 265°   | 270°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5 | 584.5  | 584.5  | 584.5  | 584.5  |
| 2.5°  | 578.4 | 583.7 | 588.5 | 593.5 | 598.4 | 603.5 | 608.6 | 613.8  | 618.9  | 623.7  | 628.5  |
| 5°    | 573.3 | 582.6 | 592.0 | 602.0 | 612.0 | 622.7 | 633.3 | 644.0  | 654.6  | 665.2  | 675.9  |
| 7.5°  | 571.4 | 583.5 | 596.3 | 610.3 | 624.2 | 640.0 | 655.8 | 672.1  | 688.3  | 705.9  | 723.4  |
| 10°   | 572.4 | 585.3 | 601.2 | 617.7 | 634.2 | 653.3 | 672.5 | 694.0  | 715.4  | 737.7  | 759.9  |
| 12.5° | 573.5 | 585.5 | 602.2 | 620.8 | 639.5 | 662.2 | 684.8 | 709.1  | 733.4  | 757.8  | 782.2  |
| 15°   | 568.7 | 578.3 | 596.8 | 618.4 | 639.9 | 666.0 | 692.1 | 718.5  | 744.9  | 770.3  | 795.8  |
| 17.5° | 554.1 | 560.1 | 581.8 | 607.7 | 633.7 | 664.0 | 694.2 | 723.0  | 751.7  | 777.6  | 803.4  |
| 20°   | 530.3 | 531.9 | 557.2 | 589.4 | 621.6 | 658.3 | 694.9 | 726.5  | 758.2  | 785.0  | 811.8  |
| 22.5° | 503.4 | 500.3 | 529.1 | 567.7 | 606.5 | 651.2 | 695.8 | 731.2  | 766.7  | 794.2  | 821.5  |
| 25°   | 477.1 | 468.8 | 498.4 | 543.8 | 589.1 | 644.2 | 699.4 | 739.8  | 780.4  | 807.3  | 834.1  |
| 27.5° | 454.3 | 444.2 | 471.1 | 521.7 | 572.4 | 639.6 | 706.7 | 753.4  | 799.9  | 825.5  | 851.2  |
| 30°   | 434.2 | 426.3 | 448.8 | 503.4 | 557.9 | 637.3 | 716.9 | 770.8  | 824.7  | 849.4  | 874.2  |
| 32.5° | 416.6 | 413.1 | 431.2 | 487.5 | 543.8 | 634.7 | 725.6 | 788.9  | 852.3  | 876.8  | 901.3  |
| 35°   | 400.0 | 401.4 | 416.6 | 471.9 | 527.3 | 629.7 | 732.1 | 809.6  | 887.3  | 910.8  | 934.3  |
| 37.5° | 382.4 | 387.8 | 401.1 | 453.6 | 506.0 | 620.9 | 735.8 | 832.9  | 930.0  | 959.9  | 989.8  |
| 40°   | 363.4 | 371.6 | 383.6 | 431.6 | 479.8 | 609.0 | 738.3 | 862.3  | 986.5  | 1030.1 | 1073.7 |
| 42.5° | 343.1 | 353.4 | 364.4 | 407.5 | 450.6 | 596.7 | 742.8 | 901.0  | 1059.0 | 1122.0 | 1184.9 |
| 45°   | 322.9 | 332.8 | 344.1 | 381.8 | 419.6 | 585.2 | 750.8 | 951.7  | 1152.5 | 1237.4 | 1322.4 |
| 47.5° | 304.8 | 313.4 | 327.9 | 361.5 | 395.1 | 575.7 | 756.3 | 1005.7 | 1255.1 | 1374.6 | 1494.1 |
| 50°   | 289.0 | 299.0 | 318.0 | 348.1 | 378.1 | 565.4 | 752.8 | 1055.9 | 1359.0 | 1539.1 | 1719.3 |
| 52.5° | 277.2 | 291.1 | 313.0 | 339.2 | 365.4 | 548.0 | 730.6 | 1088.4 | 1446.3 | 1712.1 | 1977.8 |
| 55°   | 270.9 | 291.9 | 312.2 | 332.7 | 353.2 | 519.1 | 685.0 | 1081.3 | 1477.5 | 1865.3 | 2253.1 |
| 57.5° | 267.1 | 292.7 | 310.7 | 325.1 | 339.6 | 478.4 | 617.2 | 1030.7 | 1444.4 | 1973.8 | 2503.4 |
| 60°   | 263.6 | 290.3 | 302.1 | 313.4 | 324.8 | 425.5 | 526.1 | 936.7  | 1347.4 | 2001.0 | 2654.6 |
| 62.5° | 259.4 | 284.1 | 285.7 | 293.2 | 300.7 | 362.2 | 423.6 | 809.6  | 1195.7 | 1886.7 | 2577.8 |
| 65°   | 250.7 | 269.6 | 269.4 | 273.0 | 276.5 | 305.2 | 333.9 | 680.0  | 1026.0 | 1725.1 | 2424.0 |
| 67.5° | 235.2 | 245.8 | 246.3 | 244.4 | 242.3 | 250.5 | 258.6 | 552.9  | 847.2  | 1532.6 | 2218.0 |
| 70°   | 215.6 | 219.0 | 219.0 | 209.8 | 200.6 | 198.2 | 195.9 | 435.3  | 674.8  | 1322.7 | 1970.6 |
| 72.5° | 193.6 | 193.5 | 191.4 | 178.2 | 165.2 | 158.2 | 151.1 | 332.8  | 514.6  | 1095.0 | 1675.6 |
| 75°   | 168.7 | 169.5 | 159.4 | 144.7 | 130.1 | 123.7 | 117.4 | 241.6  | 365.8  | 834.1  | 1302.5 |
| 77.5° | 143.8 | 144.2 | 127.5 | 113.3 | 99.0  | 94.7  | 90.3  | 163.7  | 237.1  | 583.8  | 930.6  |
| 80°   | 115.3 | 115.4 | 95.4  | 83.4  | 71.3  | 69.5  | 67.8  | 105.5  | 143.2  | 376.2  | 609.1  |
| 82.5° | 84.9  | 83.8  | 66.8  | 57.9  | 49.1  | 48.7  | 48.4  | 64.9   | 81.4   | 217.7  | 354.0  |
| 85°   | 55.9  | 54.6  | 41.9  | 35.5  | 28.9  | 29.1  | 29.3  | 34.6   | 40.1   | 97.9   | 155.8  |
| 87.5° | 24.7  | 23.1  | 17.8  | 15.2  | 12.5  | 12.7  | 12.8  | 14.3   | 15.9   | 32.1   | 48.2   |
| 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: P959481

CATALOG NUMBER: NAV-SB1A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  |
| 2.5°  | 631.0  | 633.3  | 636.7  | 640.1  | 642.2  | 644.2  | 645.1  | 646.2  | 645.8  | 646.2  | 645.1  |
| 5°    | 684.2  | 692.6  | 700.8  | 709.1  | 713.6  | 718.1  | 720.8  | 723.5  | 725.6  | 723.5  | 720.8  |
| 7.5°  | 737.0  | 750.5  | 762.7  | 774.9  | 782.2  | 789.6  | 793.6  | 797.4  | 799.4  | 797.4  | 793.6  |
| 10°   | 775.9  | 791.9  | 806.3  | 820.5  | 829.1  | 837.7  | 841.6  | 845.4  | 847.0  | 845.4  | 841.6  |
| 12.5° | 799.6  | 816.9  | 829.8  | 842.8  | 849.0  | 855.3  | 857.4  | 859.5  | 859.7  | 859.5  | 857.4  |
| 15°   | 810.8  | 825.7  | 833.8  | 841.9  | 842.1  | 842.3  | 840.2  | 837.9  | 835.3  | 837.9  | 840.2  |
| 17.5° | 813.5  | 823.7  | 823.8  | 823.9  | 814.9  | 805.8  | 797.4  | 789.1  | 783.2  | 789.1  | 797.4  |
| 20°   | 815.4  | 818.9  | 808.2  | 797.6  | 777.6  | 757.5  | 742.9  | 728.3  | 719.3  | 728.3  | 742.9  |
| 22.5° | 816.9  | 812.3  | 790.3  | 768.2  | 738.7  | 709.2  | 691.0  | 672.7  | 662.8  | 672.7  | 691.0  |
| 25°   | 819.6  | 804.9  | 771.5  | 738.0  | 702.1  | 666.4  | 647.1  | 628.0  | 618.6  | 628.0  | 647.1  |
| 27.5° | 825.1  | 799.1  | 754.6  | 710.3  | 670.6  | 630.9  | 612.0  | 593.2  | 584.2  | 593.2  | 612.0  |
| 30°   | 835.3  | 796.4  | 741.8  | 687.2  | 645.9  | 604.4  | 586.9  | 569.4  | 561.2  | 569.4  | 586.9  |
| 32.5° | 848.1  | 794.9  | 733.1  | 671.3  | 632.4  | 593.5  | 579.7  | 566.0  | 560.1  | 566.0  | 579.7  |
| 35°   | 869.2  | 804.0  | 739.6  | 675.3  | 648.2  | 621.3  | 618.1  | 614.8  | 614.4  | 614.8  | 618.1  |
| 37.5° | 913.2  | 836.6  | 778.0  | 719.4  | 717.7  | 716.0  | 730.6  | 745.3  | 753.0  | 745.3  | 730.6  |
| 40°   | 990.4  | 907.0  | 863.5  | 820.0  | 850.6  | 881.4  | 917.1  | 952.7  | 970.5  | 952.7  | 917.1  |
| 42.5° | 1102.3 | 1019.6 | 994.6  | 969.4  | 1036.5 | 1103.5 | 1168.3 | 1233.2 | 1271.3 | 1233.2 | 1168.3 |
| 45°   | 1248.0 | 1173.7 | 1162.7 | 1151.6 | 1259.0 | 1366.4 | 1472.9 | 1579.5 | 1644.3 | 1579.5 | 1472.9 |
| 47.5° | 1421.9 | 1349.6 | 1347.4 | 1345.1 | 1500.0 | 1654.9 | 1810.9 | 1967.0 | 2058.5 | 1967.0 | 1810.9 |
| 50°   | 1630.1 | 1540.9 | 1541.2 | 1541.6 | 1741.3 | 1940.8 | 2146.8 | 2352.8 | 2477.3 | 2352.8 | 2146.8 |
| 52.5° | 1869.7 | 1761.7 | 1750.8 | 1739.8 | 1978.2 | 2216.8 | 2471.6 | 2726.4 | 2875.6 | 2726.4 | 2471.6 |
| 55°   | 2146.2 | 2039.4 | 1996.9 | 1954.3 | 2219.6 | 2485.0 | 2788.8 | 3092.6 | 3270.2 | 3092.6 | 2788.8 |
| 57.5° | 2445.1 | 2387.0 | 2301.6 | 2216.2 | 2484.2 | 2752.1 | 3096.2 | 3440.3 | 3660.5 | 3440.3 | 3096.2 |
| 60°   | 2745.0 | 2835.3 | 2729.2 | 2623.1 | 2876.7 | 3130.2 | 3498.6 | 3867.0 | 4105.0 | 3867.0 | 3498.6 |
| 62.5° | 2824.5 | 3071.3 | 3059.3 | 3047.3 | 3279.6 | 3512.0 | 3862.5 | 4213.0 | 4432.9 | 4213.0 | 3862.5 |
| 65°   | 2655.6 | 2887.2 | 2933.0 | 2978.9 | 3274.1 | 3569.3 | 3909.1 | 4249.0 | 4436.3 | 4249.0 | 3909.1 |
| 67.5° | 2438.3 | 2658.5 | 2680.1 | 2701.5 | 3009.1 | 3316.7 | 3658.0 | 3999.3 | 4146.0 | 3999.3 | 3658.0 |
| 70°   | 2210.1 | 2449.6 | 2459.3 | 2468.9 | 2743.9 | 3019.0 | 3312.8 | 3606.5 | 3688.1 | 3606.5 | 3312.8 |
| 72.5° | 1950.5 | 2225.4 | 2232.3 | 2239.2 | 2454.5 | 2669.6 | 2889.7 | 3109.6 | 3117.8 | 3109.6 | 2889.7 |
| 75°   | 1587.0 | 1871.5 | 1897.1 | 1922.6 | 2090.1 | 2257.5 | 2412.3 | 2567.2 | 2525.7 | 2567.2 | 2412.3 |
| 77.5° | 1196.2 | 1461.9 | 1498.3 | 1534.9 | 1662.2 | 1789.5 | 1899.3 | 2009.2 | 1937.9 | 2009.2 | 1899.3 |
| 80°   | 832.5  | 1056.0 | 1101.4 | 1146.9 | 1243.0 | 1339.1 | 1396.8 | 1454.4 | 1339.7 | 1454.4 | 1396.8 |
| 82.5° | 506.8  | 659.6  | 710.3  | 761.2  | 827.3  | 893.5  | 917.6  | 941.6  | 851.4  | 941.6  | 917.6  |
| 85°   | 236.9  | 318.0  | 361.1  | 404.3  | 458.7  | 513.0  | 526.6  | 540.3  | 468.1  | 540.3  | 526.6  |
| 87.5° | 75.4   | 102.7  | 126.8  | 150.9  | 178.0  | 205.3  | 206.4  | 207.6  | 174.2  | 207.6  | 206.4  |
| 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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CATALOG NUMBER: NAV-SB1A-835-U-SLR

**CANDELA DISTRIBUTION (continued):**

|       | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  | 584.5  |
| 2.5°  | 644.2  | 642.2  | 640.1  | 636.7  | 633.3  | 631.0  | 628.5  |
| 5°    | 718.1  | 713.6  | 709.1  | 700.8  | 692.6  | 684.2  | 675.9  |
| 7.5°  | 789.6  | 782.2  | 774.9  | 762.7  | 750.5  | 737.0  | 723.4  |
| 10°   | 837.7  | 829.1  | 820.5  | 806.3  | 791.9  | 775.9  | 759.9  |
| 12.5° | 855.3  | 849.0  | 842.8  | 829.8  | 816.9  | 799.6  | 782.2  |
| 15°   | 842.3  | 842.1  | 841.9  | 833.8  | 825.7  | 810.8  | 795.8  |
| 17.5° | 805.8  | 814.9  | 823.9  | 823.8  | 823.7  | 813.5  | 803.4  |
| 20°   | 757.5  | 777.6  | 797.6  | 808.2  | 818.9  | 815.4  | 811.8  |
| 22.5° | 709.2  | 738.7  | 768.2  | 790.3  | 812.3  | 816.9  | 821.5  |
| 25°   | 666.4  | 702.1  | 738.0  | 771.5  | 804.9  | 819.6  | 834.1  |
| 27.5° | 630.9  | 670.6  | 710.3  | 754.6  | 799.1  | 825.1  | 851.2  |
| 30°   | 604.4  | 645.9  | 687.2  | 741.8  | 796.4  | 835.3  | 874.2  |
| 32.5° | 593.5  | 632.4  | 671.3  | 733.1  | 794.9  | 848.1  | 901.3  |
| 35°   | 621.3  | 648.2  | 675.3  | 739.6  | 804.0  | 869.2  | 934.3  |
| 37.5° | 716.0  | 717.7  | 719.4  | 778.0  | 836.6  | 913.2  | 989.8  |
| 40°   | 881.4  | 850.6  | 820.0  | 863.5  | 907.0  | 990.4  | 1073.7 |
| 42.5° | 1103.5 | 1036.5 | 969.4  | 994.6  | 1019.6 | 1102.3 | 1184.9 |
| 45°   | 1366.4 | 1259.0 | 1151.6 | 1162.7 | 1173.7 | 1248.0 | 1322.4 |
| 47.5° | 1654.9 | 1500.0 | 1345.1 | 1347.4 | 1349.6 | 1421.9 | 1494.1 |
| 50°   | 1940.8 | 1741.3 | 1541.6 | 1541.2 | 1540.9 | 1630.1 | 1719.3 |
| 52.5° | 2216.8 | 1978.2 | 1739.8 | 1750.8 | 1761.7 | 1869.7 | 1977.8 |
| 55°   | 2485.0 | 2219.6 | 1954.3 | 1996.9 | 2039.4 | 2146.2 | 2253.1 |
| 57.5° | 2752.1 | 2484.2 | 2216.2 | 2301.6 | 2387.0 | 2445.1 | 2503.4 |
| 60°   | 3130.2 | 2876.7 | 2623.1 | 2729.2 | 2835.3 | 2745.0 | 2654.6 |
| 62.5° | 3512.0 | 3279.6 | 3047.3 | 3059.3 | 3071.3 | 2824.5 | 2577.8 |
| 65°   | 3569.3 | 3274.1 | 2978.9 | 2933.0 | 2887.2 | 2655.6 | 2424.0 |
| 67.5° | 3316.7 | 3009.1 | 2701.5 | 2680.1 | 2658.5 | 2438.3 | 2218.0 |
| 70°   | 3019.0 | 2743.9 | 2468.9 | 2459.3 | 2449.6 | 2210.1 | 1970.6 |
| 72.5° | 2669.6 | 2454.5 | 2239.2 | 2232.3 | 2225.4 | 1950.5 | 1675.6 |
| 75°   | 2257.5 | 2090.1 | 1922.6 | 1897.1 | 1871.5 | 1587.0 | 1302.5 |
| 77.5° | 1789.5 | 1662.2 | 1534.9 | 1498.3 | 1461.9 | 1196.2 | 930.6  |
| 80°   | 1339.1 | 1243.0 | 1146.9 | 1101.4 | 1056.0 | 832.5  | 609.1  |
| 82.5° | 893.5  | 827.3  | 761.2  | 710.3  | 659.6  | 506.8  | 354.0  |
| 85°   | 513.0  | 458.7  | 404.3  | 361.1  | 318.0  | 236.9  | 155.8  |
| 87.5° | 205.3  | 178.0  | 150.9  | 126.8  | 102.7  | 75.4   | 48.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)