

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: P959791

Luminaire Tested: **NAV-SB1B-730-U-SLR**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P959791
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-SB1B-730-U-SLR
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5753.3 lumens
Efficiency: N/A
Efficacy: 144.6 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

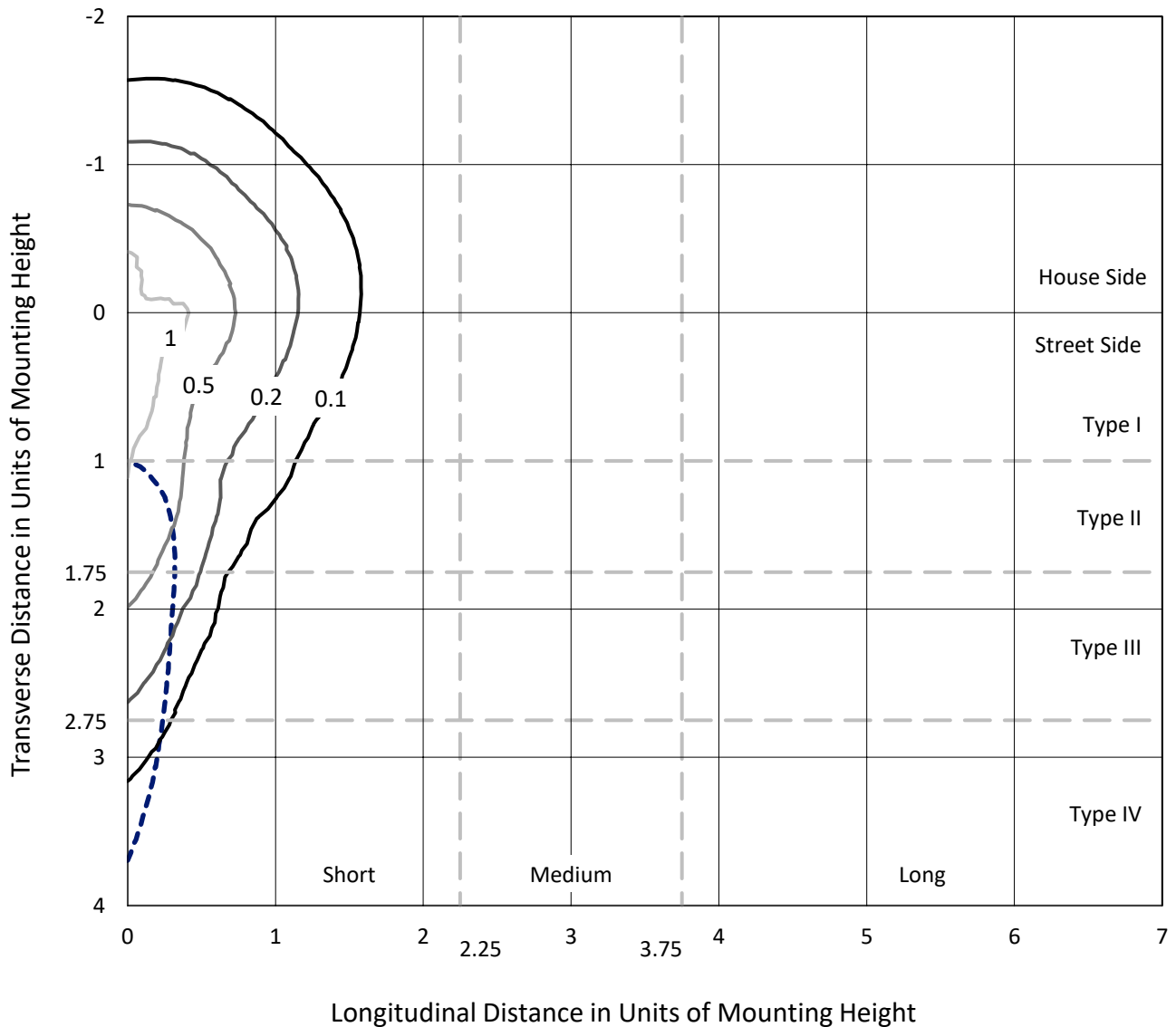
Input Watts (W): 39.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

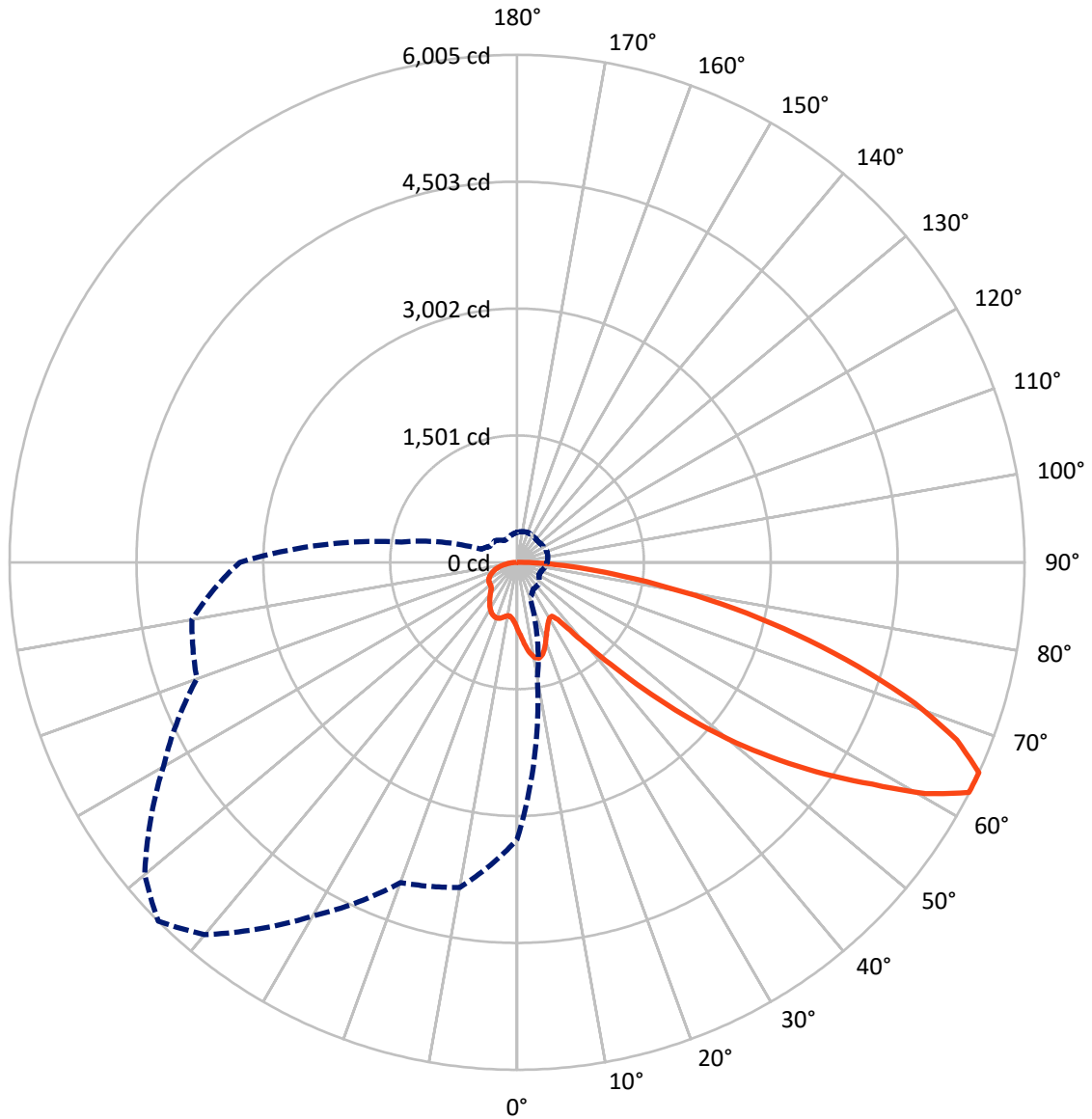
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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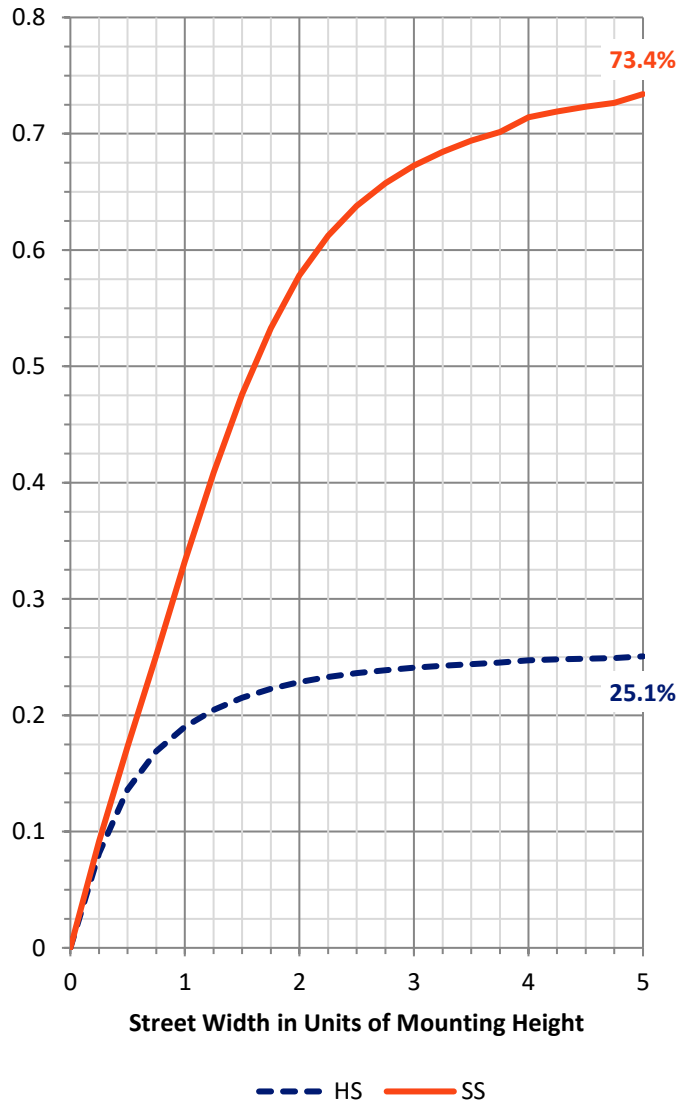
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1462.2 | 0.0 | 1462.2 |
| | % Fixture | 25.4 | 0.0 | 25.4 |
| Street Side | Lumens | 4291.1 | 0.0 | 4291.1 |
| | % Fixture | 74.6 | 0.0 | 74.6 |
| Total | Lumens | 5753.3 | 0.0 | 5753.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 78.5 | 1.4 |
| 10°-20° | 246.4 | 4.3 |
| 20°-30° | 380.5 | 6.6 |
| 30°-40° | 482.2 | 8.4 |
| 40°-50° | 727.4 | 12.6 |
| 50°-60° | 1175.1 | 20.4 |
| 60°-70° | 1465.0 | 25.5 |
| 70°-80° | 960.7 | 16.7 |
| 80°-90° | 237.5 | 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° | 5753.3 | 100.0 |
| 0°-180° | 5753.3 | 100.0 |

Coefficient of Utilization

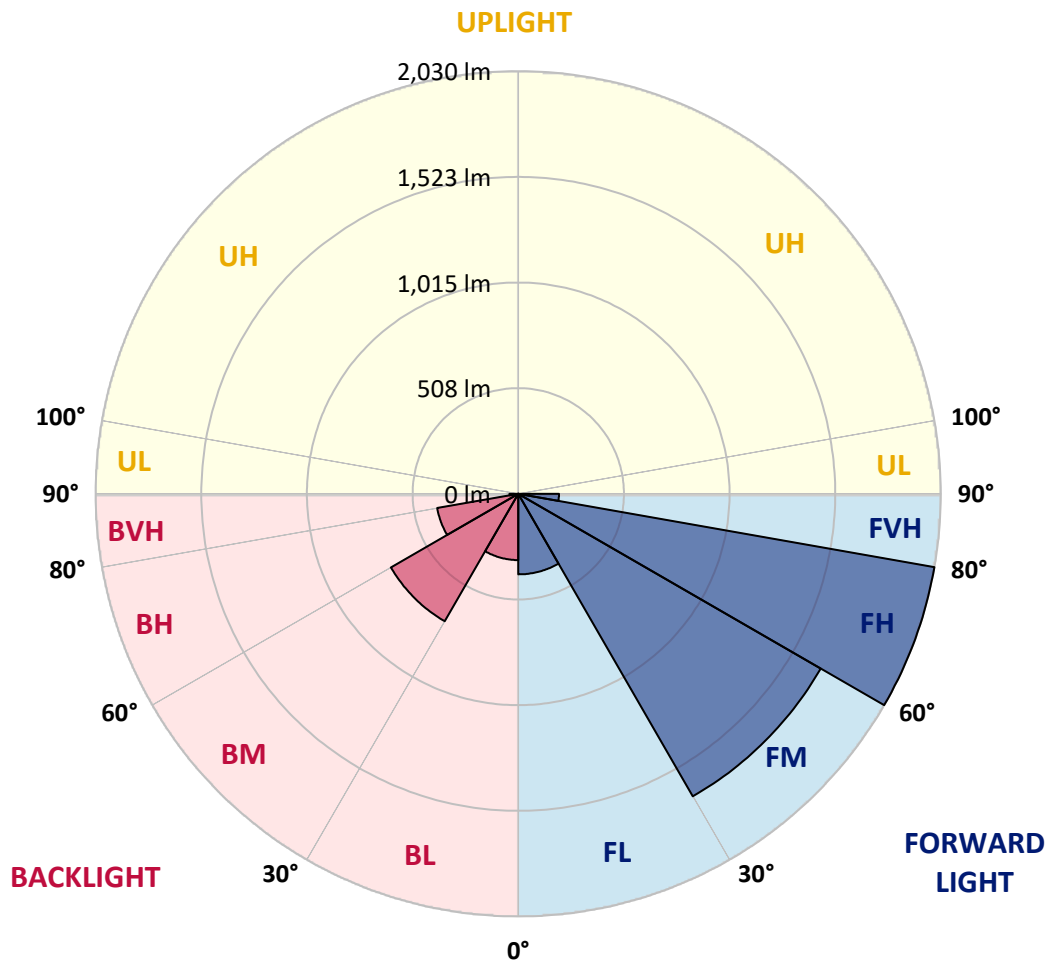


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 387.0 | 6.7 | | | |
| FM (30°-60°) | 1678.1 | 29.2 | | | |
| FH (60°-80°) | 2030.4 | 35.3 | | | G2/5000 |
| FVH (80°-90°) | 195.7 | 3.4 | | | G2/225 |
| BL (0°-30°) | 318.4 | 5.5 | B1/500 | | |
| BM (30°-60°) | 706.6 | 12.3 | B1/1000 | | |
| BH (60°-80°) | 395.3 | 6.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 41.9 | 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° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 850.7 | 844.3 | 837.7 | 830.8 | 823.9 | 816.9 | 809.9 | 803.2 | 796.5 | 790.1 | 782.9 |
| 5° | 914.8 | 900.5 | 886.0 | 871.7 | 857.2 | 842.8 | 828.3 | 814.8 | 801.3 | 788.5 | 775.9 |
| 7.5° | 979.2 | 955.4 | 931.6 | 909.7 | 887.6 | 866.2 | 844.9 | 826.0 | 807.2 | 789.8 | 773.5 |
| 10° | 1028.5 | 998.5 | 968.3 | 939.3 | 910.3 | 884.3 | 858.3 | 836.0 | 813.6 | 792.2 | 774.7 |
| 12.5° | 1058.7 | 1025.7 | 992.6 | 959.7 | 926.8 | 896.2 | 865.5 | 840.3 | 815.1 | 792.5 | 776.2 |
| 15° | 1077.1 | 1042.6 | 1008.2 | 972.5 | 936.7 | 901.5 | 866.2 | 837.0 | 807.8 | 782.8 | 769.8 |
| 17.5° | 1087.4 | 1052.5 | 1017.5 | 978.6 | 939.6 | 898.6 | 857.7 | 822.6 | 787.4 | 758.1 | 750.0 |
| 20° | 1098.8 | 1062.5 | 1026.1 | 983.4 | 940.5 | 890.9 | 841.2 | 797.7 | 754.2 | 720.0 | 717.8 |
| 22.5° | 1112.0 | 1074.9 | 1037.8 | 989.8 | 941.8 | 881.4 | 820.9 | 768.5 | 716.1 | 677.1 | 681.3 |
| 25° | 1129.0 | 1092.6 | 1056.3 | 1001.4 | 946.6 | 872.0 | 797.3 | 735.9 | 674.6 | 634.7 | 645.9 |
| 27.5° | 1152.1 | 1117.5 | 1082.7 | 1019.7 | 956.6 | 865.6 | 774.7 | 706.1 | 637.6 | 601.3 | 614.9 |
| 30° | 1183.2 | 1149.6 | 1116.2 | 1043.2 | 970.3 | 862.7 | 755.1 | 681.2 | 607.4 | 577.0 | 587.6 |
| 32.5° | 1220.0 | 1186.7 | 1153.6 | 1067.8 | 982.2 | 859.1 | 735.9 | 659.8 | 583.6 | 559.0 | 563.9 |
| 35° | 1264.5 | 1232.8 | 1201.0 | 1095.9 | 990.9 | 852.2 | 713.7 | 638.7 | 563.8 | 543.2 | 541.3 |
| 37.5° | 1339.7 | 1299.2 | 1258.7 | 1127.4 | 996.0 | 840.5 | 684.9 | 613.9 | 542.8 | 524.9 | 517.6 |
| 40° | 1453.2 | 1394.2 | 1335.2 | 1167.3 | 999.3 | 824.3 | 649.3 | 584.2 | 519.2 | 502.9 | 491.8 |
| 42.5° | 1603.8 | 1518.6 | 1433.5 | 1219.4 | 1005.4 | 807.6 | 609.9 | 551.6 | 493.2 | 478.3 | 464.3 |
| 45° | 1789.8 | 1674.8 | 1559.9 | 1288.1 | 1016.3 | 792.1 | 568.0 | 516.8 | 465.7 | 450.5 | 437.0 |
| 47.5° | 2022.3 | 1860.6 | 1698.8 | 1361.3 | 1023.7 | 779.3 | 534.8 | 489.3 | 443.8 | 424.2 | 412.7 |
| 50° | 2327.1 | 2083.3 | 1839.5 | 1429.2 | 1018.8 | 765.3 | 511.8 | 471.1 | 430.4 | 404.7 | 391.1 |
| 52.5° | 2677.0 | 2317.2 | 1957.4 | 1473.2 | 988.9 | 741.7 | 494.6 | 459.1 | 423.6 | 394.0 | 375.2 |
| 55° | 3049.5 | 2524.7 | 1999.9 | 1463.5 | 927.1 | 702.6 | 478.1 | 450.4 | 422.6 | 395.1 | 366.6 |
| 57.5° | 3388.2 | 2671.7 | 1955.0 | 1395.1 | 835.3 | 647.5 | 459.6 | 440.0 | 420.5 | 396.2 | 361.5 |
| 60° | 3593.0 | 2708.4 | 1823.7 | 1267.9 | 712.2 | 575.8 | 439.6 | 424.2 | 408.9 | 392.9 | 356.8 |
| 62.5° | 3489.1 | 2553.7 | 1618.4 | 1095.8 | 573.4 | 490.3 | 407.0 | 396.8 | 386.6 | 384.7 | 351.2 |
| 65° | 3280.9 | 2334.8 | 1388.8 | 920.3 | 451.9 | 413.2 | 374.3 | 369.5 | 364.7 | 364.9 | 339.4 |
| 67.5° | 3002.1 | 2074.4 | 1146.7 | 748.4 | 350.1 | 339.1 | 328.0 | 330.8 | 333.4 | 332.7 | 318.4 |
| 70° | 2667.2 | 1790.3 | 913.3 | 589.3 | 265.2 | 268.3 | 271.4 | 283.9 | 296.4 | 296.4 | 291.7 |
| 72.5° | 2267.9 | 1482.1 | 696.4 | 450.5 | 204.6 | 214.0 | 223.6 | 241.3 | 259.0 | 262.0 | 262.1 |
| 75° | 1762.9 | 1129.0 | 495.1 | 327.0 | 158.9 | 167.5 | 176.1 | 196.0 | 215.8 | 229.5 | 228.4 |
| 77.5° | 1259.5 | 790.2 | 320.8 | 221.5 | 122.3 | 128.1 | 134.1 | 153.3 | 172.6 | 195.2 | 194.5 |
| 80° | 824.4 | 509.1 | 193.8 | 142.8 | 91.6 | 94.1 | 96.6 | 112.9 | 129.1 | 156.2 | 156.1 |
| 82.5° | 479.2 | 294.7 | 110.2 | 87.8 | 65.5 | 65.9 | 66.4 | 78.4 | 90.5 | 113.6 | 114.8 |
| 85° | 210.8 | 132.5 | 54.3 | 46.9 | 39.7 | 39.4 | 39.2 | 48.0 | 56.8 | 73.9 | 75.5 |
| 87.5° | 65.3 | 43.5 | 21.5 | 19.5 | 17.3 | 17.1 | 16.9 | 20.5 | 24.1 | 31.3 | 33.4 |
| 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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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 777.1 | 771.2 | 766.0 | 760.8 | 756.1 | 751.6 | 747.0 | 742.4 | 738.8 | 735.2 | 732.4 |
| 5° | 765.0 | 754.0 | 744.8 | 735.5 | 727.3 | 719.2 | 711.9 | 704.5 | 698.7 | 693.1 | 689.1 |
| 7.5° | 758.8 | 744.3 | 732.1 | 720.0 | 709.7 | 699.5 | 690.4 | 681.4 | 674.7 | 667.9 | 663.2 |
| 10° | 759.2 | 743.8 | 731.6 | 719.6 | 708.5 | 697.5 | 687.3 | 677.1 | 669.0 | 660.9 | 655.7 |
| 12.5° | 763.5 | 751.0 | 742.9 | 734.9 | 726.2 | 717.6 | 707.0 | 696.6 | 686.2 | 675.9 | 669.1 |
| 15° | 763.7 | 757.7 | 758.8 | 759.8 | 757.6 | 755.3 | 746.2 | 737.1 | 722.4 | 707.7 | 697.3 |
| 17.5° | 752.2 | 754.4 | 767.6 | 780.8 | 787.9 | 794.9 | 787.5 | 780.2 | 760.8 | 741.3 | 726.0 |
| 20° | 728.2 | 738.4 | 761.5 | 784.4 | 799.2 | 813.8 | 810.5 | 807.1 | 784.8 | 762.6 | 743.8 |
| 22.5° | 696.6 | 711.9 | 738.1 | 764.3 | 783.5 | 802.7 | 804.7 | 806.8 | 785.6 | 764.2 | 745.0 |
| 25° | 663.5 | 681.1 | 704.7 | 728.3 | 747.1 | 766.0 | 773.1 | 780.0 | 762.6 | 745.3 | 728.1 |
| 27.5° | 631.9 | 648.9 | 668.3 | 687.7 | 702.7 | 717.9 | 725.7 | 733.6 | 721.2 | 708.8 | 695.5 |
| 30° | 601.2 | 614.7 | 630.8 | 646.9 | 659.4 | 672.0 | 678.3 | 684.7 | 675.3 | 665.8 | 656.3 |
| 32.5° | 571.7 | 579.7 | 592.7 | 605.5 | 617.6 | 629.6 | 636.6 | 643.7 | 635.1 | 626.4 | 618.7 |
| 35° | 543.5 | 545.7 | 555.4 | 565.3 | 577.2 | 589.1 | 597.6 | 606.1 | 599.9 | 593.8 | 586.7 |
| 37.5° | 515.3 | 512.8 | 519.9 | 526.8 | 538.7 | 550.6 | 561.2 | 571.6 | 568.8 | 565.9 | 559.4 |
| 40° | 486.3 | 480.8 | 485.8 | 491.0 | 502.5 | 513.9 | 526.0 | 538.1 | 538.8 | 539.5 | 533.9 |
| 42.5° | 457.0 | 449.8 | 453.9 | 458.1 | 468.9 | 479.8 | 492.8 | 505.9 | 509.4 | 512.9 | 508.3 |
| 45° | 429.9 | 422.8 | 426.3 | 429.8 | 440.1 | 450.5 | 464.0 | 477.5 | 482.6 | 487.6 | 483.4 |
| 47.5° | 406.7 | 400.8 | 404.1 | 407.2 | 417.4 | 427.4 | 440.7 | 454.2 | 459.9 | 465.7 | 462.8 |
| 50° | 385.9 | 380.6 | 385.7 | 390.8 | 400.4 | 409.9 | 421.9 | 433.8 | 441.3 | 448.6 | 448.4 |
| 52.5° | 369.9 | 364.8 | 372.4 | 380.1 | 388.8 | 397.5 | 408.7 | 419.8 | 428.7 | 437.4 | 439.0 |
| 55° | 358.4 | 350.1 | 361.1 | 372.0 | 381.4 | 390.7 | 400.6 | 410.3 | 419.5 | 428.9 | 431.1 |
| 57.5° | 349.5 | 337.5 | 349.2 | 361.0 | 372.0 | 383.0 | 392.7 | 402.4 | 411.7 | 421.2 | 423.3 |
| 60° | 341.2 | 325.5 | 335.9 | 346.1 | 358.9 | 371.6 | 381.3 | 391.1 | 400.6 | 410.0 | 412.5 |
| 62.5° | 331.7 | 312.2 | 318.8 | 325.3 | 340.1 | 354.9 | 365.3 | 375.9 | 384.5 | 393.1 | 395.4 |
| 65° | 318.7 | 298.0 | 300.5 | 303.0 | 318.8 | 334.7 | 344.7 | 354.8 | 362.3 | 369.9 | 372.3 |
| 67.5° | 301.1 | 283.9 | 283.1 | 282.3 | 296.9 | 311.6 | 321.1 | 330.6 | 337.1 | 343.7 | 346.0 |
| 70° | 279.5 | 267.2 | 264.4 | 261.8 | 274.6 | 287.5 | 295.7 | 303.9 | 309.8 | 315.7 | 318.0 |
| 72.5° | 253.7 | 245.3 | 241.2 | 237.3 | 247.4 | 257.5 | 264.9 | 272.3 | 278.1 | 283.9 | 286.6 |
| 75° | 221.9 | 215.4 | 211.6 | 207.7 | 215.2 | 222.7 | 229.5 | 236.2 | 241.5 | 246.7 | 249.6 |
| 77.5° | 189.4 | 184.2 | 180.3 | 176.4 | 182.6 | 188.7 | 194.4 | 200.2 | 205.7 | 211.3 | 213.9 |
| 80° | 151.8 | 147.4 | 144.1 | 140.8 | 146.0 | 151.0 | 155.9 | 160.7 | 164.9 | 169.1 | 172.6 |
| 82.5° | 112.6 | 110.6 | 108.2 | 106.0 | 105.6 | 105.1 | 103.4 | 101.7 | 110.7 | 119.7 | 125.6 |
| 85° | 73.3 | 71.0 | 68.5 | 65.9 | 63.7 | 61.5 | 56.8 | 52.1 | 60.5 | 68.9 | 76.2 |
| 87.5° | 32.5 | 31.6 | 31.1 | 30.6 | 30.5 | 30.4 | 26.9 | 23.3 | 26.8 | 30.3 | 33.2 |
| 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° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 729.5 | 727.2 | 725.0 | 722.9 | 720.9 | 718.3 | 720.9 | 722.9 | 725.0 | 727.2 | 729.5 |
| 5° | 685.1 | 682.3 | 679.5 | 677.3 | 675.2 | 673.0 | 675.2 | 677.3 | 679.5 | 682.3 | 685.1 |
| 7.5° | 658.4 | 655.2 | 651.9 | 650.0 | 648.1 | 646.7 | 648.1 | 650.0 | 651.9 | 655.2 | 658.4 |
| 10° | 650.4 | 647.3 | 644.2 | 642.6 | 640.9 | 640.2 | 640.9 | 642.6 | 644.2 | 647.3 | 650.4 |
| 12.5° | 662.3 | 658.9 | 655.4 | 654.1 | 652.6 | 652.4 | 652.6 | 654.1 | 655.4 | 658.9 | 662.3 |
| 15° | 687.0 | 682.1 | 677.4 | 675.6 | 673.8 | 673.6 | 673.8 | 675.6 | 677.4 | 682.1 | 687.0 |
| 17.5° | 710.6 | 703.7 | 696.6 | 694.2 | 691.9 | 691.6 | 691.9 | 694.2 | 696.6 | 703.7 | 710.6 |
| 20° | 725.1 | 716.1 | 707.0 | 704.2 | 701.3 | 700.4 | 701.3 | 704.2 | 707.0 | 716.1 | 725.1 |
| 22.5° | 725.6 | 716.2 | 706.6 | 703.4 | 700.2 | 698.8 | 700.2 | 703.4 | 706.6 | 716.2 | 725.6 |
| 25° | 710.9 | 702.6 | 694.4 | 691.5 | 688.5 | 686.7 | 688.5 | 691.5 | 694.4 | 702.6 | 710.9 |
| 27.5° | 682.1 | 676.6 | 671.1 | 669.7 | 668.3 | 667.9 | 668.3 | 669.7 | 671.1 | 676.6 | 682.1 |
| 30° | 646.7 | 643.9 | 641.0 | 641.0 | 641.0 | 641.4 | 641.0 | 641.0 | 641.0 | 643.9 | 646.7 |
| 32.5° | 611.1 | 609.3 | 607.4 | 607.6 | 607.9 | 608.3 | 607.9 | 607.6 | 607.4 | 609.3 | 611.1 |
| 35° | 579.6 | 576.9 | 574.1 | 573.5 | 572.9 | 572.6 | 572.9 | 573.5 | 574.1 | 576.9 | 579.6 |
| 37.5° | 553.0 | 547.9 | 542.7 | 540.1 | 537.3 | 535.9 | 537.3 | 540.1 | 542.7 | 547.9 | 553.0 |
| 40° | 528.5 | 521.0 | 513.6 | 508.6 | 503.6 | 500.6 | 503.6 | 508.6 | 513.6 | 521.0 | 528.5 |
| 42.5° | 503.7 | 494.4 | 485.1 | 477.9 | 470.5 | 465.7 | 470.5 | 477.9 | 485.1 | 494.4 | 503.7 |
| 45° | 479.2 | 468.6 | 458.1 | 449.5 | 440.9 | 435.3 | 440.9 | 449.5 | 458.1 | 468.6 | 479.2 |
| 47.5° | 459.8 | 450.5 | 441.1 | 433.1 | 425.2 | 419.8 | 425.2 | 433.1 | 441.1 | 450.5 | 459.8 |
| 50° | 448.3 | 440.7 | 433.3 | 425.9 | 418.6 | 413.5 | 418.6 | 425.9 | 433.3 | 440.7 | 448.3 |
| 52.5° | 440.5 | 434.4 | 428.2 | 421.7 | 415.1 | 410.4 | 415.1 | 421.7 | 428.2 | 434.4 | 440.5 |
| 55° | 433.3 | 427.9 | 422.6 | 416.9 | 411.0 | 406.8 | 411.0 | 416.9 | 422.6 | 427.9 | 433.3 |
| 57.5° | 425.6 | 420.1 | 414.7 | 409.1 | 403.3 | 398.9 | 403.3 | 409.1 | 414.7 | 420.1 | 425.6 |
| 60° | 414.8 | 409.6 | 404.3 | 398.4 | 392.6 | 388.0 | 392.6 | 398.4 | 404.3 | 409.6 | 414.8 |
| 62.5° | 397.8 | 393.0 | 388.3 | 382.0 | 375.9 | 370.3 | 375.9 | 382.0 | 388.3 | 393.0 | 397.8 |
| 65° | 374.6 | 370.1 | 365.5 | 359.5 | 353.5 | 348.8 | 353.5 | 359.5 | 365.5 | 370.1 | 374.6 |
| 67.5° | 348.4 | 344.1 | 340.0 | 334.4 | 328.8 | 324.5 | 328.8 | 334.4 | 340.0 | 344.1 | 348.4 |
| 70° | 320.2 | 316.8 | 313.3 | 308.0 | 302.7 | 297.8 | 302.7 | 308.0 | 313.3 | 316.8 | 320.2 |
| 72.5° | 289.3 | 286.4 | 283.5 | 278.5 | 273.4 | 268.7 | 273.4 | 278.5 | 283.5 | 286.4 | 289.3 |
| 75° | 252.4 | 250.9 | 249.6 | 245.3 | 241.0 | 236.5 | 241.0 | 245.3 | 249.6 | 250.9 | 252.4 |
| 77.5° | 216.5 | 214.5 | 212.6 | 208.3 | 204.0 | 200.4 | 204.0 | 208.3 | 212.6 | 214.5 | 216.5 |
| 80° | 176.1 | 175.3 | 174.5 | 168.6 | 162.8 | 156.0 | 162.8 | 168.6 | 174.5 | 175.3 | 176.1 |
| 82.5° | 131.4 | 131.1 | 130.7 | 125.8 | 120.8 | 116.5 | 120.8 | 125.8 | 130.7 | 131.1 | 131.4 |
| 85° | 83.4 | 82.9 | 82.3 | 78.4 | 74.6 | 70.7 | 74.6 | 78.4 | 82.3 | 82.9 | 83.4 |
| 87.5° | 36.2 | 35.5 | 34.6 | 32.7 | 30.7 | 28.8 | 30.7 | 32.7 | 34.6 | 35.5 | 36.2 |
| 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: P959791
 CATALOG NUMBER: NAV-SB1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 732.4 | 735.2 | 738.8 | 742.4 | 747.0 | 751.6 | 756.1 | 760.8 | 766.0 | 771.2 | 777.1 |
| 5° | 689.1 | 693.1 | 698.7 | 704.5 | 711.9 | 719.2 | 727.3 | 735.5 | 744.8 | 754.0 | 765.0 |
| 7.5° | 663.2 | 667.9 | 674.7 | 681.4 | 690.4 | 699.5 | 709.7 | 720.0 | 732.1 | 744.3 | 758.8 |
| 10° | 655.7 | 660.9 | 669.0 | 677.1 | 687.3 | 697.5 | 708.5 | 719.6 | 731.6 | 743.8 | 759.2 |
| 12.5° | 669.1 | 675.9 | 686.2 | 696.6 | 707.0 | 717.6 | 726.2 | 734.9 | 742.9 | 751.0 | 763.5 |
| 15° | 697.3 | 707.7 | 722.4 | 737.1 | 746.2 | 755.3 | 757.6 | 759.8 | 758.8 | 757.7 | 763.7 |
| 17.5° | 726.0 | 741.3 | 760.8 | 780.2 | 787.5 | 794.9 | 787.9 | 780.8 | 767.6 | 754.4 | 752.2 |
| 20° | 743.8 | 762.6 | 784.8 | 807.1 | 810.5 | 813.8 | 799.2 | 784.4 | 761.5 | 738.4 | 728.2 |
| 22.5° | 745.0 | 764.2 | 785.6 | 806.8 | 804.7 | 802.7 | 783.5 | 764.3 | 738.1 | 711.9 | 696.6 |
| 25° | 728.1 | 745.3 | 762.6 | 780.0 | 773.1 | 766.0 | 747.1 | 728.3 | 704.7 | 681.1 | 663.5 |
| 27.5° | 695.5 | 708.8 | 721.2 | 733.6 | 725.7 | 717.9 | 702.7 | 687.7 | 668.3 | 648.9 | 631.9 |
| 30° | 656.3 | 665.8 | 675.3 | 684.7 | 678.3 | 672.0 | 659.4 | 646.9 | 630.8 | 614.7 | 601.2 |
| 32.5° | 618.7 | 626.4 | 635.1 | 643.7 | 636.6 | 629.6 | 617.6 | 605.5 | 592.7 | 579.7 | 571.7 |
| 35° | 586.7 | 593.8 | 599.9 | 606.1 | 597.6 | 589.1 | 577.2 | 565.3 | 555.4 | 545.7 | 543.5 |
| 37.5° | 559.4 | 565.9 | 568.8 | 571.6 | 561.2 | 550.6 | 538.7 | 526.8 | 519.9 | 512.8 | 515.3 |
| 40° | 533.9 | 539.5 | 538.8 | 538.1 | 526.0 | 513.9 | 502.5 | 491.0 | 485.8 | 480.8 | 486.3 |
| 42.5° | 508.3 | 512.9 | 509.4 | 505.9 | 492.8 | 479.8 | 468.9 | 458.1 | 453.9 | 449.8 | 457.0 |
| 45° | 483.4 | 487.6 | 482.6 | 477.5 | 464.0 | 450.5 | 440.1 | 429.8 | 426.3 | 422.8 | 429.9 |
| 47.5° | 462.8 | 465.7 | 459.9 | 454.2 | 440.7 | 427.4 | 417.4 | 407.2 | 404.1 | 400.8 | 406.7 |
| 50° | 448.4 | 448.6 | 441.3 | 433.8 | 421.9 | 409.9 | 400.4 | 390.8 | 385.7 | 380.6 | 385.9 |
| 52.5° | 439.0 | 437.4 | 428.7 | 419.8 | 408.7 | 397.5 | 388.8 | 380.1 | 372.4 | 364.8 | 369.9 |
| 55° | 431.1 | 428.9 | 419.5 | 410.3 | 400.6 | 390.7 | 381.4 | 372.0 | 361.1 | 350.1 | 358.4 |
| 57.5° | 423.3 | 421.2 | 411.7 | 402.4 | 392.7 | 383.0 | 372.0 | 361.0 | 349.2 | 337.5 | 349.5 |
| 60° | 412.5 | 410.0 | 400.6 | 391.1 | 381.3 | 371.6 | 358.9 | 346.1 | 335.9 | 325.5 | 341.2 |
| 62.5° | 395.4 | 393.1 | 384.5 | 375.9 | 365.3 | 354.9 | 340.1 | 325.3 | 318.8 | 312.2 | 331.7 |
| 65° | 372.3 | 369.9 | 362.3 | 354.8 | 344.7 | 334.7 | 318.8 | 303.0 | 300.5 | 298.0 | 318.7 |
| 67.5° | 346.0 | 343.7 | 337.1 | 330.6 | 321.1 | 311.6 | 296.9 | 282.3 | 283.1 | 283.9 | 301.1 |
| 70° | 318.0 | 315.7 | 309.8 | 303.9 | 295.7 | 287.5 | 274.6 | 261.8 | 264.4 | 267.2 | 279.5 |
| 72.5° | 286.6 | 283.9 | 278.1 | 272.3 | 264.9 | 257.5 | 247.4 | 237.3 | 241.2 | 245.3 | 253.7 |
| 75° | 249.6 | 246.7 | 241.5 | 236.2 | 229.5 | 222.7 | 215.2 | 207.7 | 211.6 | 215.4 | 221.9 |
| 77.5° | 213.9 | 211.3 | 205.7 | 200.2 | 194.4 | 188.7 | 182.6 | 176.4 | 180.3 | 184.2 | 189.4 |
| 80° | 172.6 | 169.1 | 164.9 | 160.7 | 155.9 | 151.0 | 146.0 | 140.8 | 144.1 | 147.4 | 151.8 |
| 82.5° | 125.6 | 119.7 | 110.7 | 101.7 | 103.4 | 105.1 | 105.6 | 106.0 | 108.2 | 110.6 | 112.6 |
| 85° | 76.2 | 68.9 | 60.5 | 52.1 | 56.8 | 61.5 | 63.7 | 65.9 | 68.5 | 71.0 | 73.3 |
| 87.5° | 33.2 | 30.3 | 26.8 | 23.3 | 26.9 | 30.4 | 30.5 | 30.6 | 31.1 | 31.6 | 32.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P959791
 CATALOG NUMBER: NAV-SB1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 782.9 | 790.1 | 796.5 | 803.2 | 809.9 | 816.9 | 823.9 | 830.8 | 837.7 | 844.3 | 850.7 |
| 5° | 775.9 | 788.5 | 801.3 | 814.8 | 828.3 | 842.8 | 857.2 | 871.7 | 886.0 | 900.5 | 914.8 |
| 7.5° | 773.5 | 789.8 | 807.2 | 826.0 | 844.9 | 866.2 | 887.6 | 909.7 | 931.6 | 955.4 | 979.2 |
| 10° | 774.7 | 792.2 | 813.6 | 836.0 | 858.3 | 884.3 | 910.3 | 939.3 | 968.3 | 998.5 | 1028.5 |
| 12.5° | 776.2 | 792.5 | 815.1 | 840.3 | 865.5 | 896.2 | 926.8 | 959.7 | 992.6 | 1025.7 | 1058.7 |
| 15° | 769.8 | 782.8 | 807.8 | 837.0 | 866.2 | 901.5 | 936.7 | 972.5 | 1008.2 | 1042.6 | 1077.1 |
| 17.5° | 750.0 | 758.1 | 787.4 | 822.6 | 857.7 | 898.6 | 939.6 | 978.6 | 1017.5 | 1052.5 | 1087.4 |
| 20° | 717.8 | 720.0 | 754.2 | 797.7 | 841.2 | 890.9 | 940.5 | 983.4 | 1026.1 | 1062.5 | 1098.8 |
| 22.5° | 681.3 | 677.1 | 716.1 | 768.5 | 820.9 | 881.4 | 941.8 | 989.8 | 1037.8 | 1074.9 | 1112.0 |
| 25° | 645.9 | 634.7 | 674.6 | 735.9 | 797.3 | 872.0 | 946.6 | 1001.4 | 1056.3 | 1092.6 | 1129.0 |
| 27.5° | 614.9 | 601.3 | 637.6 | 706.1 | 774.7 | 865.6 | 956.6 | 1019.7 | 1082.7 | 1117.5 | 1152.1 |
| 30° | 587.6 | 577.0 | 607.4 | 681.2 | 755.1 | 862.7 | 970.3 | 1043.2 | 1116.2 | 1149.6 | 1183.2 |
| 32.5° | 563.9 | 559.0 | 583.6 | 659.8 | 735.9 | 859.1 | 982.2 | 1067.8 | 1153.6 | 1186.7 | 1220.0 |
| 35° | 541.3 | 543.2 | 563.8 | 638.7 | 713.7 | 852.2 | 990.9 | 1095.9 | 1201.0 | 1232.8 | 1264.5 |
| 37.5° | 517.6 | 524.9 | 542.8 | 613.9 | 684.9 | 840.5 | 996.0 | 1127.4 | 1258.7 | 1299.2 | 1339.7 |
| 40° | 491.8 | 502.9 | 519.2 | 584.2 | 649.3 | 824.3 | 999.3 | 1167.3 | 1335.2 | 1394.2 | 1453.2 |
| 42.5° | 464.3 | 478.3 | 493.2 | 551.6 | 609.9 | 807.6 | 1005.4 | 1219.4 | 1433.5 | 1518.6 | 1603.8 |
| 45° | 437.0 | 450.5 | 465.7 | 516.8 | 568.0 | 792.1 | 1016.3 | 1288.1 | 1559.9 | 1674.8 | 1789.8 |
| 47.5° | 412.7 | 424.2 | 443.8 | 489.3 | 534.8 | 779.3 | 1023.7 | 1361.3 | 1698.8 | 1860.6 | 2022.3 |
| 50° | 391.1 | 404.7 | 430.4 | 471.1 | 511.8 | 765.3 | 1018.8 | 1429.2 | 1839.5 | 2083.3 | 2327.1 |
| 52.5° | 375.2 | 394.0 | 423.6 | 459.1 | 494.6 | 741.7 | 988.9 | 1473.2 | 1957.4 | 2317.2 | 2677.0 |
| 55° | 366.6 | 395.1 | 422.6 | 450.4 | 478.1 | 702.6 | 927.1 | 1463.5 | 1999.9 | 2524.7 | 3049.5 |
| 57.5° | 361.5 | 396.2 | 420.5 | 440.0 | 459.6 | 647.5 | 835.3 | 1395.1 | 1955.0 | 2671.7 | 3388.2 |
| 60° | 356.8 | 392.9 | 408.9 | 424.2 | 439.6 | 575.8 | 712.2 | 1267.9 | 1823.7 | 2708.4 | 3593.0 |
| 62.5° | 351.2 | 384.7 | 386.6 | 396.8 | 407.0 | 490.3 | 573.4 | 1095.8 | 1618.4 | 2553.7 | 3489.1 |
| 65° | 339.4 | 364.9 | 364.7 | 369.5 | 374.3 | 413.2 | 451.9 | 920.3 | 1388.8 | 2334.8 | 3280.9 |
| 67.5° | 318.4 | 332.7 | 333.4 | 330.8 | 328.0 | 339.1 | 350.1 | 748.4 | 1146.7 | 2074.4 | 3002.1 |
| 70° | 291.7 | 296.4 | 296.4 | 283.9 | 271.4 | 268.3 | 265.2 | 589.3 | 913.3 | 1790.3 | 2667.2 |
| 72.5° | 262.1 | 262.0 | 259.0 | 241.3 | 223.6 | 214.0 | 204.6 | 450.5 | 696.4 | 1482.1 | 2267.9 |
| 75° | 228.4 | 229.5 | 215.8 | 196.0 | 176.1 | 167.5 | 158.9 | 327.0 | 495.1 | 1129.0 | 1762.9 |
| 77.5° | 194.5 | 195.2 | 172.6 | 153.3 | 134.1 | 128.1 | 122.3 | 221.5 | 320.8 | 790.2 | 1259.5 |
| 80° | 156.1 | 156.2 | 129.1 | 112.9 | 96.6 | 94.1 | 91.6 | 142.8 | 193.8 | 509.1 | 824.4 |
| 82.5° | 114.8 | 113.6 | 90.5 | 78.4 | 66.4 | 65.9 | 65.5 | 87.8 | 110.2 | 294.7 | 479.2 |
| 85° | 75.5 | 73.9 | 56.8 | 48.0 | 39.2 | 39.4 | 39.7 | 46.9 | 54.3 | 132.5 | 210.8 |
| 87.5° | 33.4 | 31.3 | 24.1 | 20.5 | 16.9 | 17.1 | 17.3 | 19.5 | 21.5 | 43.5 | 65.3 |
| 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: P959791
 CATALOG NUMBER: NAV-SB1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 854.0 | 857.2 | 861.8 | 866.4 | 869.2 | 871.9 | 873.3 | 874.6 | 874.0 | 874.6 | 873.3 |
| 5° | 926.1 | 937.4 | 948.5 | 959.8 | 965.9 | 971.9 | 975.6 | 979.3 | 982.1 | 979.3 | 975.6 |
| 7.5° | 997.5 | 1015.9 | 1032.3 | 1048.8 | 1058.7 | 1068.7 | 1074.0 | 1079.4 | 1082.0 | 1079.4 | 1074.0 |
| 10° | 1050.2 | 1071.8 | 1091.2 | 1110.6 | 1122.3 | 1134.0 | 1139.2 | 1144.3 | 1146.4 | 1144.3 | 1139.2 |
| 12.5° | 1082.2 | 1105.7 | 1123.2 | 1140.6 | 1149.1 | 1157.6 | 1160.5 | 1163.3 | 1163.6 | 1163.3 | 1160.5 |
| 15° | 1097.4 | 1117.7 | 1128.6 | 1139.6 | 1139.9 | 1140.2 | 1137.1 | 1134.2 | 1130.6 | 1134.2 | 1137.1 |
| 17.5° | 1101.2 | 1114.8 | 1115.0 | 1115.2 | 1102.9 | 1090.6 | 1079.3 | 1068.0 | 1060.1 | 1068.0 | 1079.3 |
| 20° | 1103.6 | 1108.3 | 1094.0 | 1079.5 | 1052.4 | 1025.2 | 1005.5 | 985.7 | 973.5 | 985.7 | 1005.5 |
| 22.5° | 1105.8 | 1099.5 | 1069.6 | 1039.8 | 999.9 | 959.9 | 935.2 | 910.5 | 897.1 | 910.5 | 935.2 |
| 25° | 1109.3 | 1089.6 | 1044.2 | 998.9 | 950.4 | 901.9 | 875.9 | 849.9 | 837.3 | 849.9 | 875.9 |
| 27.5° | 1116.8 | 1081.5 | 1021.4 | 961.3 | 907.6 | 853.9 | 828.3 | 802.8 | 790.8 | 802.8 | 828.3 |
| 30° | 1130.6 | 1078.0 | 1004.1 | 930.1 | 874.1 | 818.2 | 794.5 | 770.7 | 759.5 | 770.7 | 794.5 |
| 32.5° | 1147.9 | 1075.8 | 992.2 | 908.6 | 856.0 | 803.3 | 784.7 | 766.1 | 758.1 | 766.1 | 784.7 |
| 35° | 1176.4 | 1088.2 | 1001.1 | 913.9 | 877.4 | 840.8 | 836.5 | 832.2 | 831.5 | 832.2 | 836.5 |
| 37.5° | 1236.0 | 1132.3 | 1053.1 | 973.9 | 971.5 | 969.1 | 988.9 | 1008.8 | 1019.2 | 1008.8 | 988.9 |
| 40° | 1340.5 | 1227.6 | 1168.7 | 1109.9 | 1151.4 | 1193.0 | 1241.3 | 1289.6 | 1313.6 | 1289.6 | 1241.3 |
| 42.5° | 1491.9 | 1380.1 | 1346.0 | 1312.1 | 1402.8 | 1493.5 | 1581.4 | 1669.1 | 1720.7 | 1669.1 | 1581.4 |
| 45° | 1689.2 | 1588.7 | 1573.7 | 1558.7 | 1704.1 | 1849.4 | 1993.7 | 2137.9 | 2225.6 | 2137.9 | 1993.7 |
| 47.5° | 1924.5 | 1826.8 | 1823.7 | 1820.6 | 2030.3 | 2239.8 | 2451.1 | 2662.2 | 2786.3 | 2662.2 | 2451.1 |
| 50° | 2206.3 | 2085.6 | 2086.1 | 2086.6 | 2356.8 | 2627.0 | 2905.8 | 3184.5 | 3353.1 | 3184.5 | 2905.8 |
| 52.5° | 2530.7 | 2384.5 | 2369.7 | 2354.8 | 2677.6 | 3000.4 | 3345.3 | 3690.2 | 3892.2 | 3690.2 | 3345.3 |
| 55° | 2905.0 | 2760.4 | 2702.8 | 2645.1 | 3004.4 | 3363.5 | 3774.8 | 4185.9 | 4426.3 | 4185.9 | 3774.8 |
| 57.5° | 3309.6 | 3230.9 | 3115.2 | 2999.7 | 3362.3 | 3725.0 | 4190.7 | 4656.5 | 4954.4 | 4656.5 | 4190.7 |
| 60° | 3715.2 | 3837.5 | 3693.9 | 3550.3 | 3893.6 | 4236.7 | 4735.4 | 5234.1 | 5556.1 | 5234.1 | 4735.4 |
| 62.5° | 3823.0 | 4157.0 | 4140.8 | 4124.6 | 4439.1 | 4753.4 | 5227.9 | 5702.3 | 5999.9 | 5702.3 | 5227.9 |
| 65° | 3594.4 | 3907.8 | 3969.8 | 4031.8 | 4431.4 | 4831.0 | 5291.0 | 5751.1 | 6004.6 | 5751.1 | 5291.0 |
| 67.5° | 3300.2 | 3598.4 | 3627.5 | 3656.5 | 4072.8 | 4489.1 | 4951.2 | 5413.1 | 5611.7 | 5413.1 | 4951.2 |
| 70° | 2991.4 | 3315.7 | 3328.7 | 3341.7 | 3714.0 | 4086.3 | 4483.9 | 4881.5 | 4991.8 | 4881.5 | 4483.9 |
| 72.5° | 2640.0 | 3012.2 | 3021.5 | 3030.8 | 3322.1 | 3613.3 | 3911.2 | 4208.9 | 4220.0 | 4208.9 | 3911.2 |
| 75° | 2148.0 | 2533.2 | 2567.7 | 2602.3 | 2828.9 | 3055.5 | 3265.1 | 3474.7 | 3418.6 | 3474.7 | 3265.1 |
| 77.5° | 1619.1 | 1978.6 | 2028.1 | 2077.6 | 2249.9 | 2422.1 | 2570.8 | 2719.4 | 2623.0 | 2719.4 | 2570.8 |
| 80° | 1126.8 | 1429.3 | 1490.8 | 1552.3 | 1682.4 | 1812.4 | 1890.5 | 1968.6 | 1813.3 | 1968.6 | 1890.5 |
| 82.5° | 685.9 | 892.8 | 961.4 | 1030.2 | 1119.7 | 1209.3 | 1241.9 | 1274.4 | 1152.4 | 1274.4 | 1241.9 |
| 85° | 320.6 | 430.3 | 488.7 | 547.2 | 620.8 | 694.3 | 712.9 | 731.3 | 633.6 | 731.3 | 712.9 |
| 87.5° | 102.2 | 139.0 | 171.7 | 204.3 | 241.1 | 277.9 | 279.4 | 281.0 | 235.9 | 281.0 | 279.4 |
| 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: P959791
 CATALOG NUMBER: NAV-SB1B-730-U-SLR

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 | 791.1 |
| 2.5° | 871.9 | 869.2 | 866.4 | 861.8 | 857.2 | 854.0 | 850.7 |
| 5° | 971.9 | 965.9 | 959.8 | 948.5 | 937.4 | 926.1 | 914.8 |
| 7.5° | 1068.7 | 1058.7 | 1048.8 | 1032.3 | 1015.9 | 997.5 | 979.2 |
| 10° | 1134.0 | 1122.3 | 1110.6 | 1091.2 | 1071.8 | 1050.2 | 1028.5 |
| 12.5° | 1157.6 | 1149.1 | 1140.6 | 1123.2 | 1105.7 | 1082.2 | 1058.7 |
| 15° | 1140.2 | 1139.9 | 1139.6 | 1128.6 | 1117.7 | 1097.4 | 1077.1 |
| 17.5° | 1090.6 | 1102.9 | 1115.2 | 1115.0 | 1114.8 | 1101.2 | 1087.4 |
| 20° | 1025.2 | 1052.4 | 1079.5 | 1094.0 | 1108.3 | 1103.6 | 1098.8 |
| 22.5° | 959.9 | 999.9 | 1039.8 | 1069.6 | 1099.5 | 1105.8 | 1112.0 |
| 25° | 901.9 | 950.4 | 998.9 | 1044.2 | 1089.6 | 1109.3 | 1129.0 |
| 27.5° | 853.9 | 907.6 | 961.3 | 1021.4 | 1081.5 | 1116.8 | 1152.1 |
| 30° | 818.2 | 874.1 | 930.1 | 1004.1 | 1078.0 | 1130.6 | 1183.2 |
| 32.5° | 803.3 | 856.0 | 908.6 | 992.2 | 1075.8 | 1147.9 | 1220.0 |
| 35° | 840.8 | 877.4 | 913.9 | 1001.1 | 1088.2 | 1176.4 | 1264.5 |
| 37.5° | 969.1 | 971.5 | 973.9 | 1053.1 | 1132.3 | 1236.0 | 1339.7 |
| 40° | 1193.0 | 1151.4 | 1109.9 | 1168.7 | 1227.6 | 1340.5 | 1453.2 |
| 42.5° | 1493.5 | 1402.8 | 1312.1 | 1346.0 | 1380.1 | 1491.9 | 1603.8 |
| 45° | 1849.4 | 1704.1 | 1558.7 | 1573.7 | 1588.7 | 1689.2 | 1789.8 |
| 47.5° | 2239.8 | 2030.3 | 1820.6 | 1823.7 | 1826.8 | 1924.5 | 2022.3 |
| 50° | 2627.0 | 2356.8 | 2086.6 | 2086.1 | 2085.6 | 2206.3 | 2327.1 |
| 52.5° | 3000.4 | 2677.6 | 2354.8 | 2369.7 | 2384.5 | 2530.7 | 2677.0 |
| 55° | 3363.5 | 3004.4 | 2645.1 | 2702.8 | 2760.4 | 2905.0 | 3049.5 |
| 57.5° | 3725.0 | 3362.3 | 2999.7 | 3115.2 | 3230.9 | 3309.6 | 3388.2 |
| 60° | 4236.7 | 3893.6 | 3550.3 | 3693.9 | 3837.5 | 3715.2 | 3593.0 |
| 62.5° | 4753.4 | 4439.1 | 4124.6 | 4140.8 | 4157.0 | 3823.0 | 3489.1 |
| 65° | 4831.0 | 4431.4 | 4031.8 | 3969.8 | 3907.8 | 3594.4 | 3280.9 |
| 67.5° | 4489.1 | 4072.8 | 3656.5 | 3627.5 | 3598.4 | 3300.2 | 3002.1 |
| 70° | 4086.3 | 3714.0 | 3341.7 | 3328.7 | 3315.7 | 2991.4 | 2667.2 |
| 72.5° | 3613.3 | 3322.1 | 3030.8 | 3021.5 | 3012.2 | 2640.0 | 2267.9 |
| 75° | 3055.5 | 2828.9 | 2602.3 | 2567.7 | 2533.2 | 2148.0 | 1762.9 |
| 77.5° | 2422.1 | 2249.9 | 2077.6 | 2028.1 | 1978.6 | 1619.1 | 1259.5 |
| 80° | 1812.4 | 1682.4 | 1552.3 | 1490.8 | 1429.3 | 1126.8 | 824.4 |
| 82.5° | 1209.3 | 1119.7 | 1030.2 | 961.4 | 892.8 | 685.9 | 479.2 |
| 85° | 694.3 | 620.8 | 547.2 | 488.7 | 430.3 | 320.6 | 210.8 |
| 87.5° | 277.9 | 241.1 | 204.3 | 171.7 | 139.0 | 102.2 | 65.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)