

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: STREETWORKS

Report Number: P961586

Luminaire Tested: **NVN-SB2A-835-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961586
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: STREETWORKS
Catalog Number: NVN-SB2A-835-U-SLL-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6508.7 lumens
Efficiency: N/A
Efficacy: 113.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

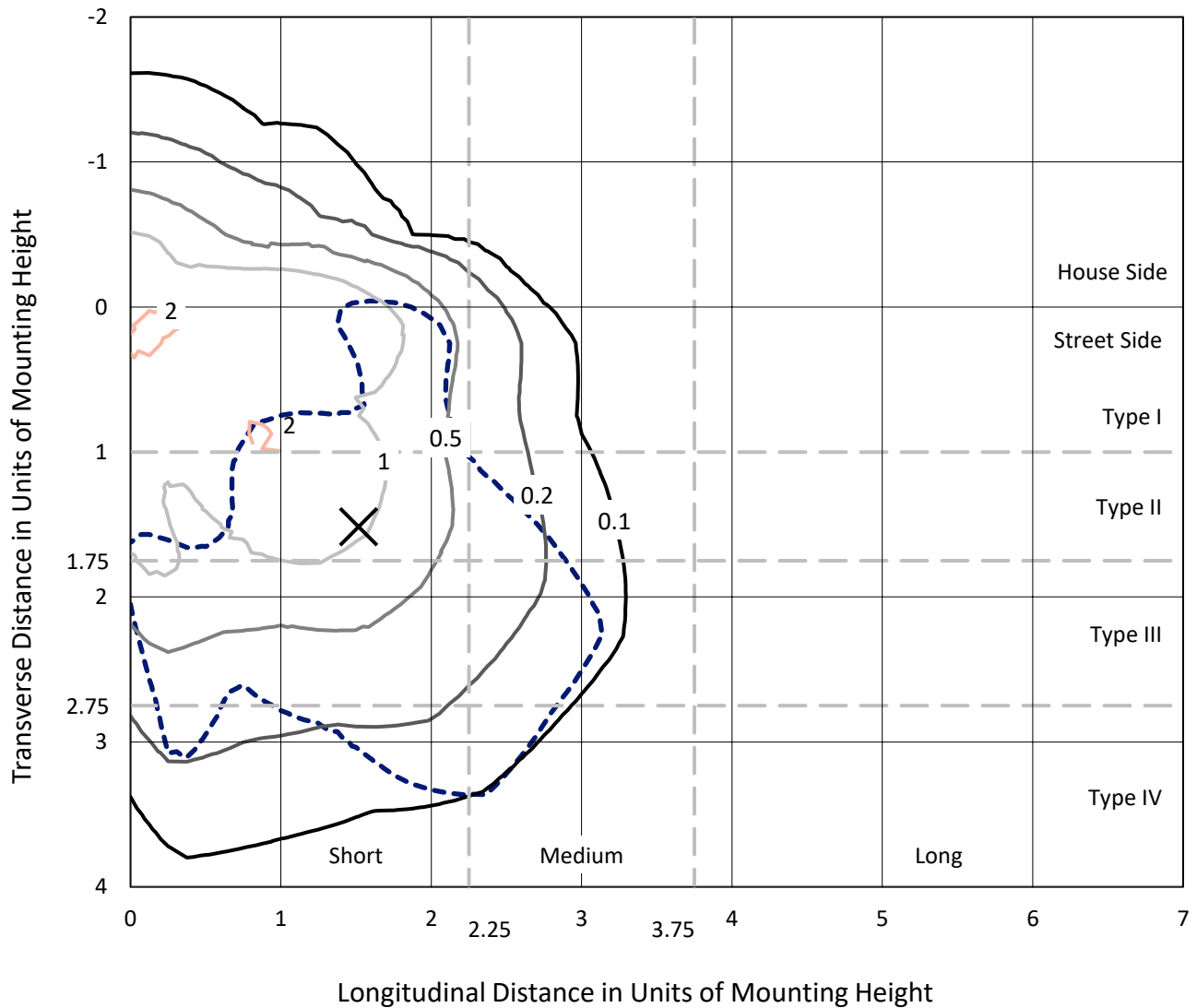
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P961586
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Iso-Footcandle Lines of Horizontal Illumination

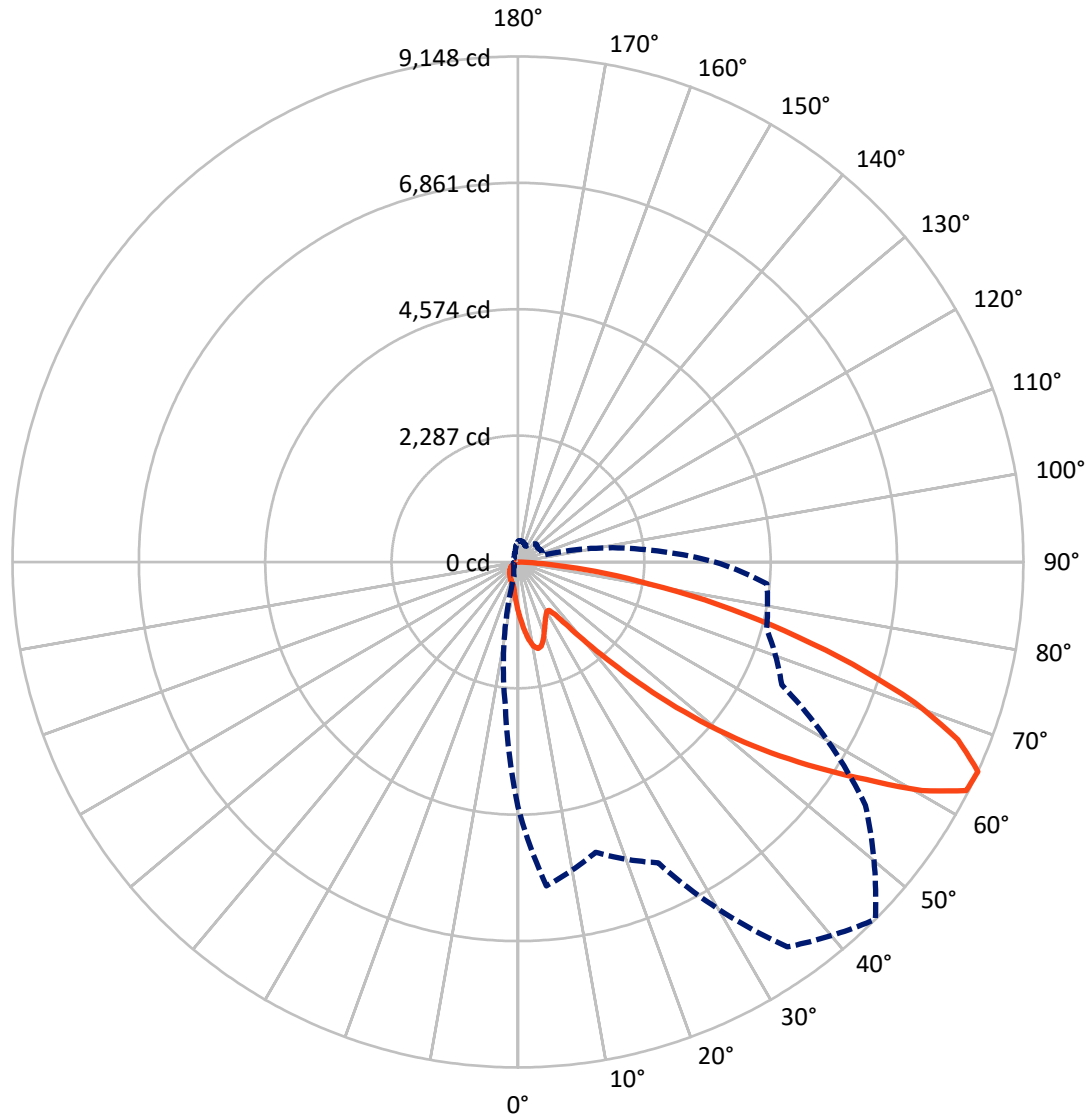
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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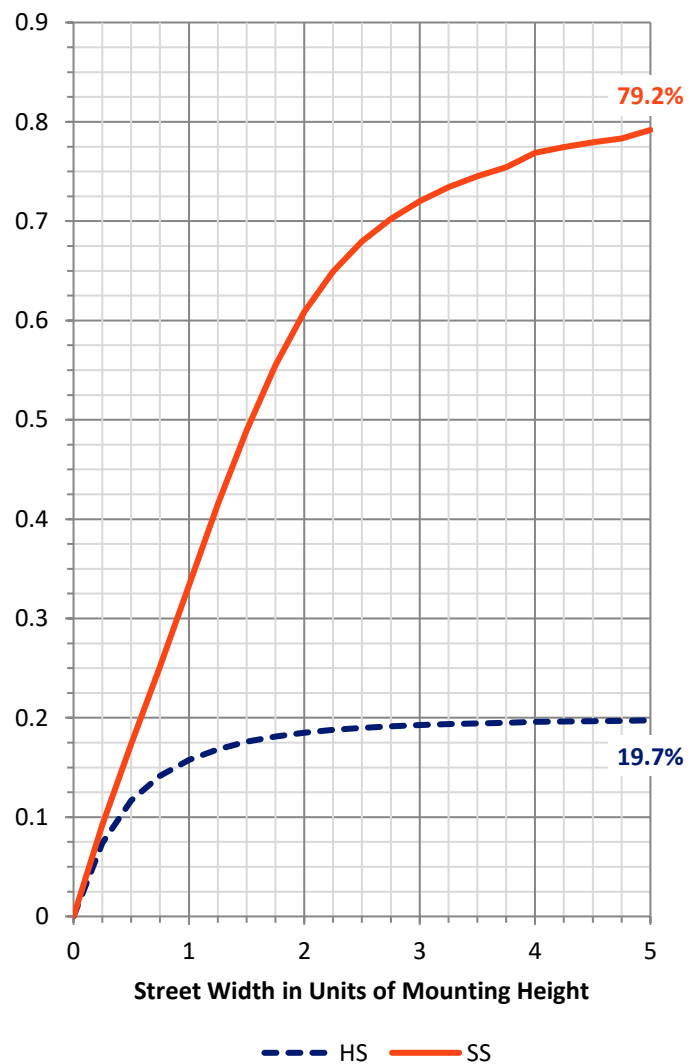
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1293.7 | 0.0 | 1293.7 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 5215.0 | 0.0 | 5215.0 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 6508.7 | 0.0 | 6508.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 88.7 | 1.4 |
| 10°-20° | 266.0 | 4.1 |
| 20°-30° | 391.9 | 6.0 |
| 30°-40° | 503.4 | 7.7 |
| 40°-50° | 814.2 | 12.5 |
| 50°-60° | 1427.8 | 21.9 |
| 60°-70° | 1786.5 | 27.4 |
| 70°-80° | 1044.0 | 16.0 |
| 80°-90° | 186.3 | 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° | 6508.7 | 100.0 |
| 0°-180° | 6508.7 | 100.0 |

Coefficient of Utilization



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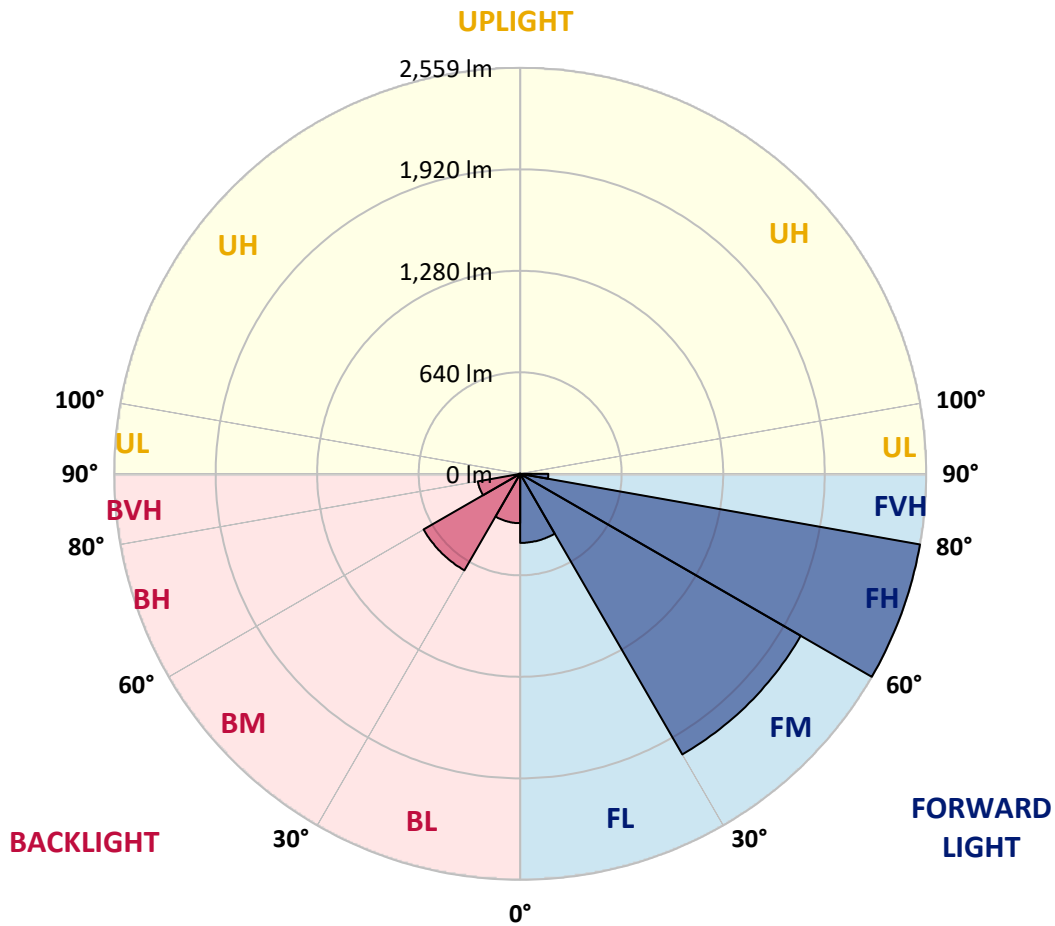
CATALOG NUMBER: NVN-SB2A-835-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 435.5 | 6.7 | | | |
| FM (30°-60°) | 2042.5 | 31.4 | | | |
| FH (60°-80°) | 2559.4 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 177.5 | 2.7 | | | G2/225 |
| BL (0°-30°) | 311.1 | 4.8 | B1/500 | | |
| BM (30°-60°) | 702.9 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 271.1 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 8.7 | 0.1 | | | G0/10 |
| 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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 CATALOG NUMBER: NVN-SB2A-835-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 |
| 2.5° | 1009.7 | 1017.4 | 1034.4 | 1043.3 | 1057.3 | 1058.2 | 1058.2 | 1046.1 | 1045.6 | 1021.0 | 1018.2 |
| 5° | 1128.6 | 1146.6 | 1186.8 | 1228.6 | 1237.6 | 1239.7 | 1235.3 | 1211.0 | 1193.2 | 1145.1 | 1134.9 |
| 7.5° | 1246.5 | 1281.0 | 1342.4 | 1398.1 | 1416.0 | 1416.0 | 1405.3 | 1365.8 | 1329.0 | 1259.5 | 1233.5 |
| 10° | 1344.3 | 1387.7 | 1471.2 | 1533.5 | 1554.1 | 1549.6 | 1527.7 | 1477.8 | 1427.2 | 1343.0 | 1308.8 |
| 12.5° | 1408.9 | 1457.7 | 1549.2 | 1599.4 | 1620.4 | 1608.8 | 1583.7 | 1535.2 | 1481.9 | 1393.2 | 1354.5 |
| 15° | 1441.1 | 1492.2 | 1571.6 | 1598.1 | 1592.2 | 1580.1 | 1577.0 | 1553.7 | 1513.3 | 1430.4 | 1388.2 |
| 17.5° | 1455.0 | 1502.5 | 1557.7 | 1541.1 | 1491.8 | 1482.4 | 1513.7 | 1543.3 | 1533.5 | 1462.7 | 1423.2 |
| 20° | 1468.0 | 1507.9 | 1524.5 | 1451.0 | 1364.9 | 1356.4 | 1416.4 | 1500.7 | 1543.8 | 1492.7 | 1456.3 |
| 22.5° | 1485.9 | 1510.6 | 1476.5 | 1355.9 | 1263.1 | 1243.3 | 1309.7 | 1436.6 | 1546.9 | 1530.7 | 1494.4 |
| 25° | 1510.6 | 1517.3 | 1423.6 | 1265.8 | 1172.5 | 1152.8 | 1214.6 | 1365.3 | 1541.5 | 1572.0 | 1541.1 |
| 27.5° | 1540.2 | 1526.3 | 1373.0 | 1190.4 | 1100.3 | 1082.0 | 1143.8 | 1296.7 | 1526.3 | 1613.2 | 1591.3 |
| 30° | 1578.8 | 1537.9 | 1322.8 | 1132.2 | 1048.8 | 1035.4 | 1094.9 | 1237.6 | 1507.5 | 1665.7 | 1653.6 |
| 32.5° | 1617.8 | 1542.9 | 1276.1 | 1098.1 | 1037.1 | 1042.0 | 1090.9 | 1205.7 | 1486.9 | 1716.0 | 1721.8 |
| 35° | 1659.9 | 1558.6 | 1253.3 | 1131.7 | 1134.4 | 1177.4 | 1197.6 | 1235.3 | 1483.7 | 1784.1 | 1807.0 |
| 37.5° | 1717.3 | 1593.6 | 1280.6 | 1299.0 | 1392.3 | 1481.4 | 1464.8 | 1380.2 | 1520.1 | 1885.9 | 1928.5 |
| 40° | 1799.8 | 1655.0 | 1399.8 | 1583.7 | 1775.2 | 1920.0 | 1856.8 | 1643.3 | 1631.2 | 2032.6 | 2096.2 |
| 42.5° | 1920.0 | 1752.7 | 1611.5 | 1931.6 | 2256.2 | 2494.8 | 2325.3 | 1982.8 | 1825.8 | 2241.9 | 2323.1 |
| 45° | 2097.6 | 1911.0 | 1867.5 | 2298.9 | 2849.5 | 3225.3 | 2872.8 | 2344.6 | 2098.5 | 2558.9 | 2622.6 |
| 47.5° | 2343.7 | 2143.7 | 2107.4 | 2685.8 | 3570.5 | 4056.5 | 3479.9 | 2680.0 | 2408.8 | 2991.2 | 3006.0 |
| 50° | 2670.5 | 2457.1 | 2334.7 | 3109.1 | 4361.0 | 4904.0 | 4086.6 | 3003.8 | 2764.3 | 3519.3 | 3502.3 |
| 52.5° | 3102.0 | 2894.3 | 2599.7 | 3512.2 | 5173.9 | 5733.5 | 4695.9 | 3288.0 | 3205.5 | 4132.3 | 4097.3 |
| 55° | 3690.2 | 3552.1 | 2962.0 | 3896.9 | 5986.4 | 6567.9 | 5281.5 | 3556.1 | 3788.4 | 4860.4 | 4648.9 |
| 57.5° | 4420.2 | 4518.8 | 3484.4 | 4343.0 | 6716.8 | 7428.0 | 5869.8 | 3931.0 | 4545.3 | 5674.8 | 4969.0 |
| 60° | 4891.0 | 5804.4 | 4484.8 | 5002.6 | 7546.8 | 8400.5 | 6676.0 | 4644.0 | 5340.8 | 5966.6 | 4908.0 |
| 62.5° | 4777.1 | 6213.2 | 5682.8 | 5844.7 | 8309.9 | 9107.6 | 7466.1 | 5360.0 | 5490.5 | 5536.6 | 4438.1 |
| 65° | 4427.8 | 5883.3 | 5438.4 | 6008.3 | 8503.2 | 9147.5 | 7677.2 | 5267.6 | 4657.4 | 4520.1 | 3567.3 |
| 67.5° | 3947.2 | 5491.8 | 4857.8 | 5574.4 | 8153.9 | 8589.7 | 7284.1 | 4659.6 | 3599.2 | 3392.0 | 2588.1 |
| 70° | 3428.3 | 5058.7 | 4476.7 | 5087.4 | 7488.0 | 7617.6 | 6615.5 | 4098.3 | 2647.3 | 2290.8 | 1660.8 |
| 72.5° | 2936.0 | 4607.6 | 4215.7 | 4588.3 | 6599.8 | 6331.6 | 5745.1 | 3601.8 | 1927.6 | 1652.3 | 1180.6 |
| 75° | 2432.5 | 3942.2 | 3844.0 | 3995.6 | 5431.8 | 4987.3 | 4773.5 | 2982.2 | 1512.9 | 1195.4 | 814.7 |
| 77.5° | 1877.0 | 3080.4 | 3306.3 | 3199.6 | 3823.4 | 3704.6 | 3700.0 | 2241.1 | 1105.3 | 797.7 | 510.8 |
| 80° | 1284.6 | 2146.9 | 2583.1 | 2257.2 | 2481.3 | 2420.8 | 2786.7 | 1503.5 | 801.8 | 480.2 | 284.2 |
| 82.5° | 755.1 | 1307.1 | 1798.1 | 1092.8 | 1372.1 | 1408.4 | 1659.5 | 731.3 | 471.7 | 110.7 | 61.9 |
| 85° | 306.3 | 516.1 | 703.0 | 427.7 | 661.8 | 558.2 | 630.0 | 205.4 | 131.4 | 2.7 | 0.0 |
| 87.5° | 77.1 | 165.0 | 115.7 | 48.0 | 76.7 | 70.4 | 55.6 | 25.1 | 5.3 | 0.0 | 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° | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 |
| 2.5° | 1000.8 | 990.5 | 964.9 | 939.4 | 918.7 | 890.9 | 872.6 | 850.5 | 829.5 | 810.7 | 807.1 |
| 5° | 1106.6 | 1072.6 | 1025.9 | 983.3 | 939.8 | 897.7 | 856.0 | 812.0 | 771.6 | 747.0 | 731.3 |
| 7.5° | 1192.7 | 1132.6 | 1070.7 | 1016.5 | 964.0 | 914.7 | 859.6 | 806.2 | 743.0 | 709.3 | 678.9 |
| 10° | 1256.9 | 1177.9 | 1096.8 | 1034.4 | 981.5 | 933.6 | 886.9 | 833.1 | 756.9 | 714.7 | 669.0 |
| 12.5° | 1299.0 | 1205.3 | 1110.2 | 1038.9 | 979.7 | 942.5 | 921.9 | 900.8 | 825.0 | 775.7 | 709.3 |
| 15° | 1328.1 | 1224.6 | 1119.6 | 1028.6 | 955.9 | 928.6 | 949.3 | 973.4 | 925.1 | 868.1 | 781.6 |
| 17.5° | 1360.0 | 1249.7 | 1123.6 | 1000.8 | 909.8 | 898.1 | 951.5 | 1007.5 | 1005.3 | 948.7 | 864.1 |
| 20° | 1393.6 | 1271.6 | 1120.9 | 955.9 | 853.7 | 864.1 | 932.2 | 997.2 | 1024.6 | 994.0 | 918.7 |
| 22.5° | 1428.1 | 1292.7 | 1110.7 | 897.7 | 801.2 | 833.5 | 901.7 | 958.7 | 991.0 | 981.5 | 924.1 |
| 25° | 1471.6 | 1322.2 | 1095.4 | 834.9 | 757.8 | 802.6 | 866.3 | 912.5 | 934.9 | 934.4 | 894.9 |
| 27.5° | 1523.7 | 1361.7 | 1087.3 | 784.2 | 726.8 | 767.6 | 824.1 | 865.4 | 881.1 | 881.1 | 849.7 |
| 30° | 1584.1 | 1408.4 | 1078.4 | 751.0 | 708.9 | 731.3 | 775.2 | 815.6 | 831.3 | 831.3 | 804.8 |
| 32.5° | 1651.4 | 1453.2 | 1056.9 | 730.8 | 695.5 | 695.9 | 723.6 | 760.4 | 779.3 | 782.0 | 763.1 |
| 35° | 1732.1 | 1501.2 | 1009.7 | 714.7 | 679.8 | 661.3 | 674.9 | 705.3 | 727.7 | 733.6 | 721.9 |
| 37.5° | 1837.9 | 1559.9 | 942.5 | 691.0 | 655.5 | 625.0 | 628.2 | 651.5 | 676.2 | 685.1 | 677.5 |
| 40° | 1980.1 | 1629.0 | 872.6 | 656.9 | 621.5 | 585.2 | 583.8 | 600.9 | 625.0 | 634.9 | 630.9 |
| 42.5° | 2168.0 | 1712.0 | 805.8 | 624.1 | 580.3 | 543.0 | 540.8 | 554.2 | 575.2 | 585.6 | 583.8 |
| 45° | 2408.2 | 1813.7 | 748.4 | 598.6 | 539.9 | 503.1 | 502.1 | 513.4 | 531.8 | 542.5 | 540.3 |
| 47.5° | 2742.3 | 1915.5 | 709.3 | 585.2 | 508.0 | 470.4 | 472.1 | 482.1 | 498.6 | 506.2 | 503.1 |
| 50° | 3177.7 | 1946.5 | 689.6 | 585.2 | 491.0 | 441.2 | 450.2 | 458.3 | 470.8 | 475.3 | 471.3 |
| 52.5° | 3595.6 | 1844.2 | 671.7 | 588.8 | 493.2 | 416.6 | 435.8 | 441.7 | 452.4 | 454.2 | 448.3 |
| 55° | 3800.5 | 1585.5 | 647.0 | 589.6 | 507.2 | 395.4 | 424.1 | 434.9 | 439.0 | 438.5 | 428.7 |
| 57.5° | 3730.1 | 1282.0 | 605.4 | 586.0 | 516.5 | 382.0 | 409.8 | 430.5 | 433.2 | 429.1 | 410.7 |
| 60° | 3483.1 | 943.8 | 573.5 | 559.5 | 512.9 | 378.0 | 387.9 | 420.6 | 424.7 | 419.2 | 389.2 |
| 62.5° | 3068.7 | 655.1 | 548.8 | 501.3 | 497.2 | 376.7 | 353.3 | 399.0 | 409.0 | 401.3 | 357.3 |
| 65° | 2415.9 | 462.7 | 472.6 | 439.4 | 463.2 | 369.5 | 317.4 | 373.1 | 386.5 | 374.8 | 312.9 |
| 67.5° | 1634.8 | 334.0 | 382.9 | 398.2 | 408.1 | 353.3 | 291.4 | 343.5 | 361.4 | 346.1 | 261.4 |
| 70° | 882.8 | 234.5 | 252.9 | 335.4 | 346.6 | 325.5 | 268.1 | 313.4 | 334.0 | 317.4 | 213.0 |
| 72.5° | 521.5 | 168.6 | 177.1 | 269.5 | 288.7 | 286.5 | 242.1 | 278.5 | 303.6 | 283.8 | 173.1 |
| 75° | 287.4 | 113.9 | 126.5 | 195.5 | 234.5 | 221.1 | 208.1 | 235.9 | 261.4 | 242.1 | 133.7 |
| 77.5° | 128.6 | 68.2 | 87.8 | 128.2 | 184.3 | 151.6 | 160.9 | 183.9 | 207.6 | 187.5 | 89.3 |
| 80° | 49.8 | 38.1 | 58.3 | 69.9 | 134.1 | 83.8 | 103.6 | 135.4 | 152.4 | 136.3 | 54.2 |
| 82.5° | 6.3 | 17.0 | 25.1 | 27.4 | 78.0 | 44.4 | 60.1 | 85.2 | 83.8 | 72.7 | 27.4 |
| 85° | 0.0 | 3.2 | 3.6 | 1.7 | 33.6 | 16.1 | 19.7 | 27.8 | 26.0 | 19.7 | 2.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 0.0 | 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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 CATALOG NUMBER: NVN-SB2A-835-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 | 901.3 |
| 2.5° | 785.2 | 769.0 | 761.0 | 754.2 | 760.4 | 764.0 | 764.0 | 779.3 | 788.2 | 791.8 | 816.9 |
| 5° | 691.9 | 661.8 | 641.6 | 629.6 | 633.6 | 638.1 | 643.0 | 662.3 | 675.3 | 683.8 | 722.8 |
| 7.5° | 618.3 | 572.6 | 544.4 | 529.5 | 531.8 | 534.9 | 538.9 | 557.8 | 570.8 | 582.0 | 625.5 |
| 10° | 582.0 | 517.4 | 480.2 | 462.3 | 459.1 | 457.4 | 456.0 | 467.2 | 477.0 | 486.1 | 529.1 |
| 12.5° | 583.8 | 493.6 | 448.3 | 426.4 | 417.0 | 406.2 | 397.7 | 399.5 | 405.8 | 417.0 | 444.3 |
| 15° | 606.7 | 486.1 | 431.8 | 404.5 | 388.8 | 376.2 | 365.9 | 363.7 | 365.9 | 367.7 | 384.7 |
| 17.5° | 637.7 | 485.1 | 417.5 | 383.3 | 367.3 | 356.9 | 347.5 | 344.4 | 344.8 | 347.1 | 351.6 |
| 20° | 662.3 | 482.5 | 401.3 | 363.2 | 348.8 | 339.9 | 330.5 | 327.3 | 328.2 | 328.6 | 333.6 |
| 22.5° | 675.3 | 478.5 | 383.3 | 343.0 | 330.9 | 322.0 | 313.4 | 312.9 | 312.9 | 315.7 | 319.3 |
| 25° | 675.3 | 469.9 | 367.3 | 323.7 | 312.9 | 304.9 | 294.6 | 296.4 | 297.2 | 300.8 | 306.3 |
| 27.5° | 659.1 | 453.8 | 354.2 | 307.2 | 295.9 | 287.8 | 278.5 | 280.6 | 282.1 | 286.1 | 292.8 |
| 30° | 638.5 | 434.5 | 339.4 | 291.4 | 278.5 | 272.6 | 264.6 | 265.5 | 267.2 | 271.7 | 279.3 |
| 32.5° | 616.5 | 411.6 | 327.3 | 275.7 | 262.7 | 258.3 | 249.3 | 250.6 | 252.5 | 257.4 | 265.9 |
| 35° | 592.3 | 384.7 | 312.9 | 261.4 | 248.4 | 244.8 | 234.5 | 235.4 | 238.1 | 243.4 | 251.9 |
| 37.5° | 566.7 | 362.7 | 298.6 | 247.5 | 234.0 | 230.4 | 219.7 | 220.6 | 223.8 | 230.0 | 238.1 |
| 40° | 541.6 | 341.2 | 283.4 | 232.7 | 219.2 | 216.2 | 204.5 | 205.4 | 209.0 | 215.7 | 224.2 |
| 42.5° | 514.3 | 324.6 | 263.6 | 217.5 | 203.2 | 200.0 | 189.2 | 190.5 | 194.6 | 201.3 | 209.8 |
| 45° | 481.5 | 313.9 | 241.7 | 203.2 | 187.0 | 183.9 | 173.9 | 176.7 | 181.1 | 187.9 | 196.8 |
| 47.5° | 447.9 | 309.3 | 223.2 | 187.9 | 170.4 | 167.7 | 159.6 | 164.1 | 169.0 | 174.5 | 184.3 |
| 50° | 415.6 | 303.6 | 204.5 | 173.5 | 156.0 | 153.3 | 148.0 | 153.8 | 158.8 | 163.7 | 173.1 |
| 52.5° | 378.8 | 291.0 | 187.5 | 160.9 | 143.9 | 143.0 | 140.3 | 145.8 | 150.2 | 154.7 | 162.8 |
| 55° | 340.8 | 270.8 | 172.6 | 149.8 | 133.7 | 134.5 | 133.1 | 137.7 | 141.2 | 145.2 | 152.4 |
| 57.5° | 307.6 | 245.3 | 160.9 | 137.7 | 124.6 | 127.3 | 125.6 | 127.8 | 130.1 | 135.0 | 140.8 |
| 60° | 274.0 | 214.7 | 148.0 | 123.3 | 115.7 | 118.8 | 113.9 | 113.5 | 114.3 | 115.7 | 126.5 |
| 62.5° | 228.7 | 183.0 | 131.8 | 110.7 | 105.8 | 107.2 | 97.8 | 90.6 | 90.6 | 91.9 | 108.0 |
| 65° | 183.9 | 153.3 | 113.9 | 96.5 | 92.4 | 91.4 | 78.0 | 68.2 | 67.2 | 71.3 | 85.2 |
| 67.5° | 151.1 | 127.3 | 95.9 | 80.3 | 77.6 | 78.5 | 68.6 | 58.7 | 57.8 | 62.3 | 72.7 |
| 70° | 125.0 | 102.7 | 76.7 | 61.9 | 64.6 | 68.6 | 58.7 | 49.3 | 48.0 | 52.0 | 61.9 |
| 72.5° | 99.5 | 80.3 | 58.7 | 45.7 | 53.4 | 58.3 | 48.0 | 39.1 | 38.1 | 41.7 | 51.1 |
| 75° | 73.1 | 57.4 | 39.9 | 33.2 | 41.2 | 45.7 | 35.0 | 27.8 | 26.4 | 29.6 | 39.1 |
| 77.5° | 45.3 | 32.3 | 25.1 | 19.7 | 28.3 | 30.4 | 18.3 | 16.1 | 15.7 | 17.9 | 24.7 |
| 80° | 21.1 | 13.9 | 12.1 | 6.8 | 10.4 | 12.1 | 7.6 | 8.5 | 8.9 | 10.8 | 15.3 |
| 82.5° | 5.8 | 2.3 | 0.4 | 0.0 | 0.0 | 3.6 | 1.7 | 3.6 | 4.5 | 6.8 | 9.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 2.3 | 4.0 | 7.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.7 | 3.6 |
| 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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| 35° | 253.4 | 252.5 | 256.0 | 265.9 | 364.5 | 1038.0 | 1565.8 | 1659.9 |
| 37.5° | 239.0 | 238.5 | 242.1 | 253.4 | 314.8 | 989.1 | 1591.7 | 1717.3 |
| 40° | 223.8 | 223.8 | 227.8 | 239.8 | 300.4 | 927.7 | 1633.0 | 1799.8 |
| 42.5° | 209.8 | 209.0 | 213.4 | 228.3 | 289.7 | 869.0 | 1707.0 | 1920.0 |
| 45° | 196.4 | 194.6 | 198.6 | 217.0 | 270.8 | 848.4 | 1845.1 | 2097.6 |
| 47.5° | 183.9 | 179.4 | 183.0 | 203.6 | 253.8 | 925.5 | 2071.1 | 2343.7 |
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| 65° | 92.4 | 91.4 | 89.3 | 129.6 | 184.7 | 273.1 | 2605.5 | 4427.8 |
| 67.5° | 77.6 | 76.3 | 76.3 | 135.8 | 140.3 | 171.7 | 2035.6 | 3947.2 |
| 70° | 66.8 | 61.9 | 61.9 | 102.7 | 85.2 | 118.8 | 1421.4 | 3428.3 |
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| 77.5° | 32.3 | 30.4 | 25.5 | 39.9 | 34.5 | 47.6 | 307.2 | 1877.0 |
| 80° | 16.6 | 17.0 | 16.1 | 22.9 | 23.3 | 32.3 | 174.9 | 1284.6 |
| 82.5° | 9.8 | 7.6 | 8.5 | 11.2 | 13.4 | 18.3 | 65.9 | 755.1 |
| 85° | 6.3 | 4.0 | 4.0 | 5.3 | 6.8 | 7.2 | 20.2 | 306.3 |
| 87.5° | 3.2 | 1.3 | 1.7 | 2.7 | 2.3 | 1.7 | 0.9 | 77.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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