

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: P963415

Luminaire Tested: **NAV-SB3A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963415
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-722-U-SLL-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 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: 8697.1 lumens
Efficiency: N/A
Efficacy: 102.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

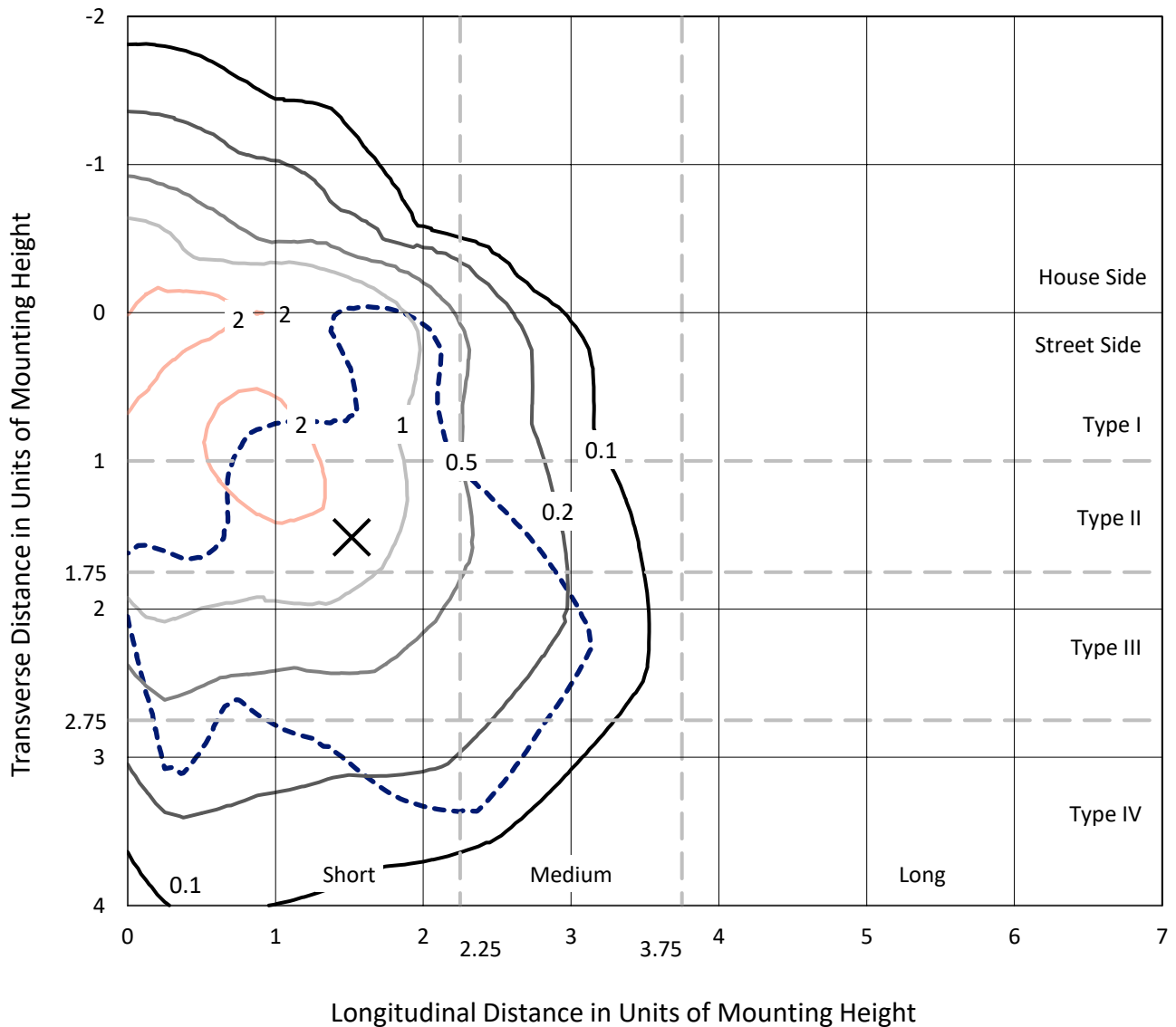
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P963415
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Iso-Footcandle Lines of Horizontal Illumination

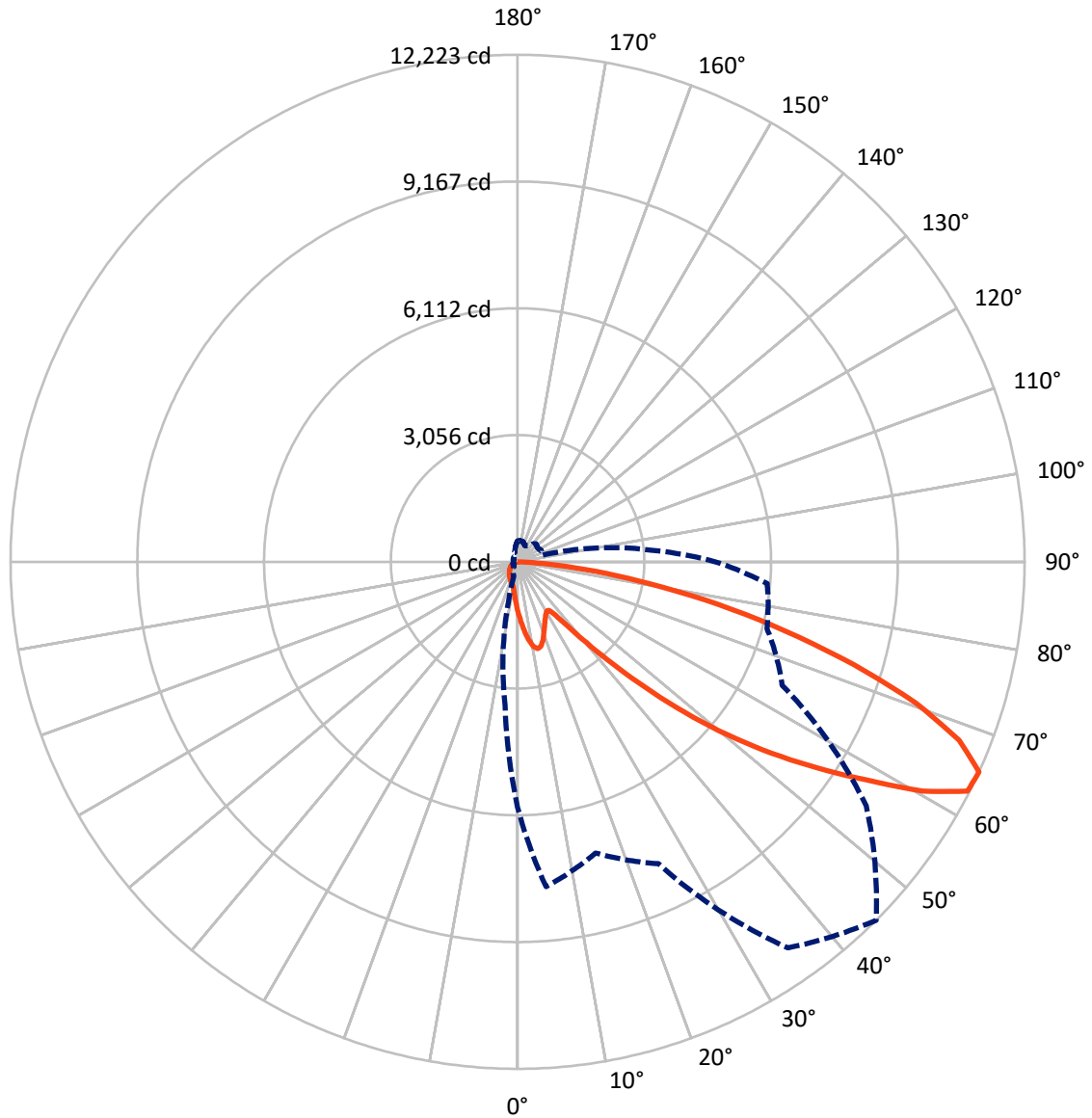
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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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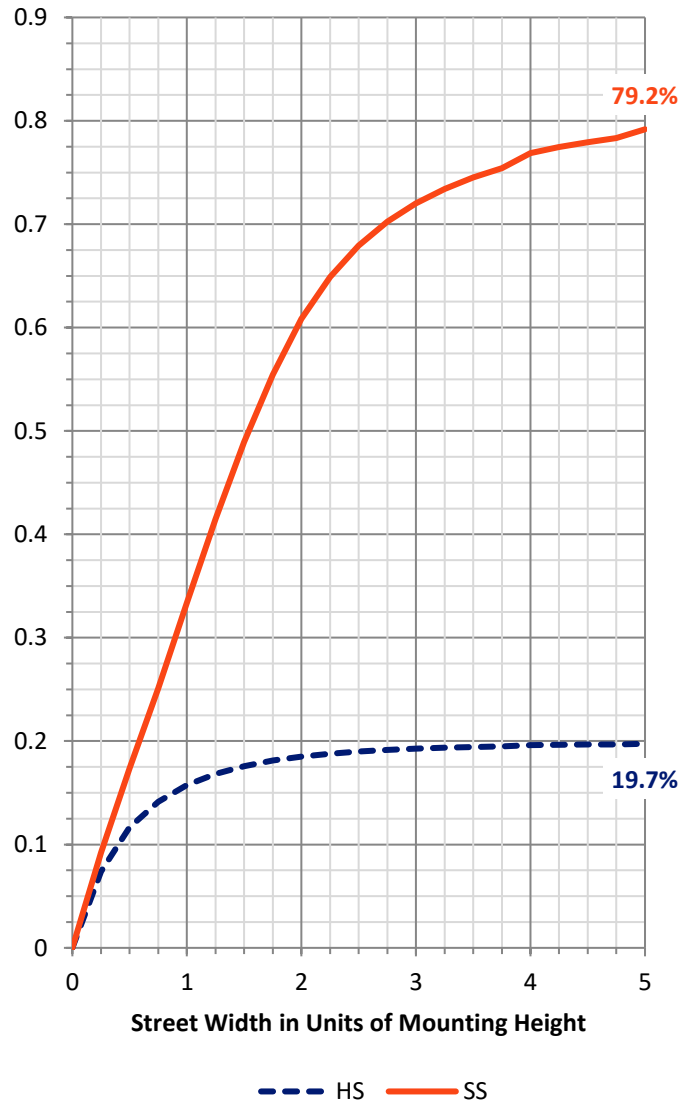
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1728.7 | 0.0 | 1728.7 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 6968.4 | 0.0 | 6968.4 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 8697.1 | 0.0 | 8697.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 118.6 | 1.4 |
| 10°-20° | 355.4 | 4.1 |
| 20°-30° | 523.6 | 6.0 |
| 30°-40° | 672.7 | 7.7 |
| 40°-50° | 1087.9 | 12.5 |
| 50°-60° | 1907.8 | 21.9 |
| 60°-70° | 2387.2 | 27.4 |
| 70°-80° | 1395.0 | 16.0 |
| 80°-90° | 248.9 | 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° | 8697.1 | 100.0 |
| 0°-180° | 8697.1 | 100.0 |

Coefficient of Utilization



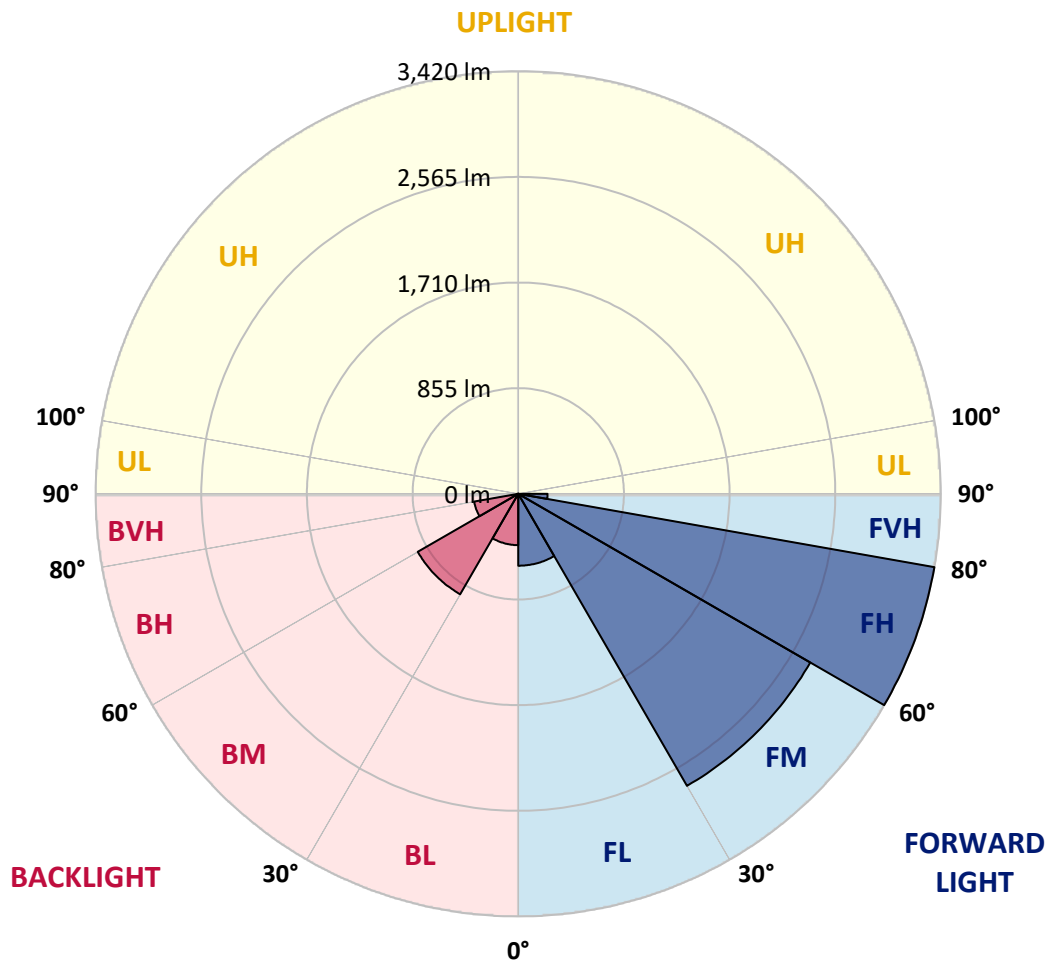
REPORT NUMBER: P963415
 CATALOG NUMBER: NAV-SB3A-722-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 581.9 | 6.7 | | | |
| FM (30°-60°) | 2729.3 | 31.4 | | | |
| FH (60°-80°) | 3420.0 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 237.2 | 2.7 | | | G3/500 |
| BL (0°-30°) | 415.7 | 4.8 | B1/500 | | |
| BM (30°-60°) | 939.2 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 362.2 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 11.7 | 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: P963415
 CATALOG NUMBER: NAV-SB3A-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|---------|---------|---------|--------|--------|--------|--------|
| 0° | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 |
| 2.5° | 1349.3 | 1359.5 | 1382.2 | 1394.2 | 1412.8 | 1414.0 | 1414.0 | 1397.8 | 1397.2 | 1364.3 | 1360.7 |
| 5° | 1508.1 | 1532.0 | 1585.9 | 1641.6 | 1653.6 | 1656.6 | 1650.7 | 1618.3 | 1594.3 | 1530.2 | 1516.4 |
| 7.5° | 1665.6 | 1711.7 | 1793.9 | 1868.2 | 1892.0 | 1892.0 | 1877.7 | 1825.0 | 1775.8 | 1682.9 | 1648.2 |
| 10° | 1796.2 | 1854.3 | 1965.7 | 2049.1 | 2076.6 | 2070.6 | 2041.3 | 1974.8 | 1907.1 | 1794.5 | 1748.9 |
| 12.5° | 1882.5 | 1947.8 | 2070.0 | 2137.1 | 2165.3 | 2149.7 | 2116.2 | 2051.4 | 1980.2 | 1861.5 | 1810.0 |
| 15° | 1925.7 | 1993.9 | 2100.0 | 2135.4 | 2127.6 | 2111.4 | 2107.2 | 2076.0 | 2022.1 | 1911.2 | 1854.9 |
| 17.5° | 1944.2 | 2007.8 | 2081.4 | 2059.2 | 1993.3 | 1980.7 | 2022.7 | 2062.2 | 2049.1 | 1954.4 | 1901.7 |
| 20° | 1961.5 | 2014.9 | 2037.1 | 1938.8 | 1823.8 | 1812.4 | 1892.7 | 2005.3 | 2062.8 | 1994.5 | 1946.0 |
| 22.5° | 1985.5 | 2018.5 | 1973.0 | 1811.8 | 1687.8 | 1661.4 | 1750.1 | 1919.6 | 2067.0 | 2045.5 | 1996.9 |
| 25° | 2018.5 | 2027.4 | 1902.3 | 1691.4 | 1566.7 | 1540.4 | 1623.1 | 1824.4 | 2059.8 | 2100.6 | 2059.2 |
| 27.5° | 2058.1 | 2039.4 | 1834.5 | 1590.7 | 1470.3 | 1445.8 | 1528.4 | 1732.8 | 2039.4 | 2155.7 | 2126.4 |
| 30° | 2109.6 | 2055.0 | 1767.5 | 1512.8 | 1401.4 | 1383.4 | 1463.1 | 1653.6 | 2014.3 | 2225.8 | 2209.6 |
| 32.5° | 2161.7 | 2061.7 | 1705.2 | 1467.3 | 1385.8 | 1392.4 | 1457.8 | 1611.1 | 1986.8 | 2292.9 | 2300.7 |
| 35° | 2218.0 | 2082.6 | 1674.6 | 1512.2 | 1515.9 | 1573.4 | 1600.3 | 1650.7 | 1982.6 | 2383.9 | 2414.5 |
| 37.5° | 2294.7 | 2129.3 | 1711.1 | 1735.7 | 1860.4 | 1979.6 | 1957.4 | 1844.2 | 2031.0 | 2520.0 | 2577.0 |
| 40° | 2405.0 | 2211.4 | 1870.5 | 2116.2 | 2372.0 | 2565.5 | 2481.0 | 2195.9 | 2179.7 | 2715.9 | 2801.0 |
| 42.5° | 2565.5 | 2342.0 | 2153.3 | 2581.1 | 3014.8 | 3333.6 | 3107.2 | 2649.4 | 2439.7 | 2995.7 | 3104.1 |
| 45° | 2802.8 | 2553.6 | 2495.5 | 3071.8 | 3807.6 | 4309.6 | 3838.7 | 3132.9 | 2804.0 | 3419.3 | 3504.4 |
| 47.5° | 3131.7 | 2864.5 | 2816.0 | 3588.8 | 4771.0 | 5420.4 | 4649.9 | 3581.0 | 3218.6 | 3996.9 | 4016.7 |
| 50° | 3568.4 | 3283.3 | 3119.7 | 4154.4 | 5827.2 | 6552.8 | 5460.6 | 4013.7 | 3693.7 | 4702.7 | 4679.8 |
| 52.5° | 4144.9 | 3867.4 | 3473.8 | 4693.1 | 6913.5 | 7661.3 | 6274.8 | 4393.5 | 4283.3 | 5521.7 | 5474.9 |
| 55° | 4931.0 | 4746.4 | 3957.9 | 5207.1 | 7999.1 | 8776.3 | 7057.3 | 4751.8 | 5062.2 | 6494.7 | 6211.9 |
| 57.5° | 5906.4 | 6038.2 | 4656.0 | 5803.2 | 8975.1 | 9925.4 | 7843.4 | 5252.7 | 6073.5 | 7582.7 | 6639.6 |
| 60° | 6535.4 | 7755.9 | 5992.6 | 6684.6 | 10084.2 | 11224.9 | 8920.6 | 6205.3 | 7136.4 | 7972.8 | 6558.2 |
| 62.5° | 6383.3 | 8302.3 | 7593.5 | 7809.8 | 11103.9 | 12169.7 | 9976.3 | 7162.1 | 7336.4 | 7398.2 | 5930.3 |
| 65° | 5916.5 | 7861.3 | 7266.9 | 8028.5 | 11362.1 | 12223.1 | 10258.5 | 7038.7 | 6223.3 | 6039.9 | 4766.8 |
| 67.5° | 5274.2 | 7338.3 | 6491.1 | 7448.6 | 10895.3 | 11477.7 | 9733.1 | 6226.3 | 4809.3 | 4532.5 | 3458.2 |
| 70° | 4581.0 | 6759.5 | 5981.8 | 6797.9 | 10005.6 | 10178.8 | 8839.7 | 5476.2 | 3537.4 | 3061.1 | 2219.2 |
| 72.5° | 3923.2 | 6156.8 | 5633.1 | 6131.0 | 8818.8 | 8460.5 | 7676.8 | 4812.9 | 2575.7 | 2207.8 | 1577.6 |
| 75° | 3250.4 | 5267.7 | 5136.5 | 5338.9 | 7258.0 | 6664.2 | 6378.5 | 3984.9 | 2021.5 | 1597.4 | 1088.7 |
| 77.5° | 2508.0 | 4116.1 | 4418.1 | 4275.5 | 5108.9 | 4950.1 | 4944.1 | 2994.5 | 1476.9 | 1065.9 | 682.4 |
| 80° | 1716.6 | 2868.7 | 3451.7 | 3016.1 | 3315.7 | 3234.8 | 3723.6 | 2008.9 | 1071.2 | 641.6 | 379.9 |
| 82.5° | 1008.9 | 1746.5 | 2402.6 | 1460.1 | 1833.4 | 1881.9 | 2217.4 | 977.2 | 630.3 | 148.0 | 82.7 |
| 85° | 409.2 | 689.6 | 939.4 | 571.5 | 884.4 | 745.9 | 841.8 | 274.4 | 175.6 | 3.6 | 0.0 |
| 87.5° | 103.0 | 220.5 | 154.6 | 64.1 | 102.5 | 94.1 | 74.3 | 33.5 | 7.2 | 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° | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 |
| 2.5° | 1337.3 | 1323.5 | 1289.3 | 1255.2 | 1227.6 | 1190.5 | 1165.9 | 1136.5 | 1108.4 | 1083.2 | 1078.5 |
| 5° | 1478.7 | 1433.2 | 1370.8 | 1313.9 | 1255.8 | 1199.5 | 1143.8 | 1085.1 | 1031.1 | 998.1 | 977.2 |
| 7.5° | 1593.7 | 1513.4 | 1430.8 | 1358.2 | 1288.1 | 1222.2 | 1148.5 | 1077.3 | 992.8 | 947.8 | 907.1 |
| 10° | 1679.4 | 1574.0 | 1465.5 | 1382.2 | 1311.5 | 1247.4 | 1185.1 | 1113.3 | 1011.4 | 955.0 | 893.9 |
| 12.5° | 1735.7 | 1610.5 | 1483.5 | 1388.3 | 1309.1 | 1259.4 | 1231.8 | 1203.7 | 1102.4 | 1036.5 | 947.8 |
| 15° | 1774.7 | 1636.2 | 1496.1 | 1374.4 | 1277.4 | 1240.9 | 1268.3 | 1300.7 | 1236.0 | 1159.9 | 1044.3 |
| 17.5° | 1817.2 | 1669.8 | 1501.4 | 1337.3 | 1215.6 | 1200.1 | 1271.4 | 1346.2 | 1343.3 | 1267.8 | 1154.6 |
| 20° | 1862.1 | 1699.1 | 1497.8 | 1277.4 | 1140.7 | 1154.6 | 1245.6 | 1332.5 | 1369.0 | 1328.3 | 1227.6 |
| 22.5° | 1908.2 | 1727.3 | 1484.1 | 1199.5 | 1070.7 | 1113.8 | 1204.9 | 1280.9 | 1324.1 | 1311.5 | 1234.8 |
| 25° | 1966.4 | 1766.9 | 1463.7 | 1115.6 | 1012.6 | 1072.5 | 1157.5 | 1219.2 | 1249.2 | 1248.7 | 1195.9 |
| 27.5° | 2035.9 | 1819.6 | 1452.9 | 1047.9 | 971.2 | 1025.7 | 1101.3 | 1156.3 | 1177.3 | 1177.3 | 1135.4 |
| 30° | 2116.7 | 1881.9 | 1440.9 | 1003.6 | 947.2 | 977.2 | 1035.9 | 1089.9 | 1110.8 | 1110.8 | 1075.4 |
| 32.5° | 2206.6 | 1941.9 | 1412.1 | 976.6 | 929.3 | 929.9 | 967.0 | 1016.2 | 1041.3 | 1044.9 | 1019.8 |
| 35° | 2314.4 | 2005.9 | 1349.3 | 955.0 | 908.3 | 883.8 | 901.7 | 942.5 | 972.4 | 980.2 | 964.6 |
| 37.5° | 2455.9 | 2084.4 | 1259.4 | 923.3 | 876.0 | 835.2 | 839.4 | 870.5 | 903.5 | 915.5 | 905.3 |
| 40° | 2645.8 | 2176.7 | 1165.9 | 877.7 | 830.5 | 781.9 | 780.1 | 802.9 | 835.2 | 848.4 | 843.0 |
| 42.5° | 2896.9 | 2287.5 | 1076.7 | 834.0 | 775.3 | 725.6 | 722.5 | 740.6 | 768.6 | 782.5 | 780.1 |
| 45° | 3218.0 | 2423.5 | 1000.0 | 799.8 | 721.4 | 672.2 | 671.1 | 686.0 | 710.6 | 725.0 | 722.0 |
| 47.5° | 3664.4 | 2559.5 | 947.8 | 781.9 | 678.9 | 628.5 | 630.9 | 644.1 | 666.2 | 676.4 | 672.2 |
| 50° | 4246.1 | 2600.8 | 921.5 | 781.9 | 656.1 | 589.6 | 601.6 | 612.3 | 629.1 | 635.1 | 629.7 |
| 52.5° | 4804.5 | 2464.3 | 897.5 | 786.7 | 659.1 | 556.6 | 582.4 | 590.2 | 604.5 | 606.9 | 599.1 |
| 55° | 5078.4 | 2118.6 | 864.6 | 787.9 | 677.6 | 528.5 | 566.8 | 581.2 | 586.6 | 586.0 | 572.8 |
| 57.5° | 4984.3 | 1713.0 | 808.8 | 783.1 | 690.2 | 510.4 | 547.7 | 575.1 | 578.8 | 573.4 | 548.8 |
| 60° | 4654.1 | 1261.2 | 766.3 | 747.7 | 685.4 | 505.1 | 518.2 | 562.0 | 567.3 | 560.2 | 520.1 |
| 62.5° | 4100.5 | 875.4 | 733.4 | 669.8 | 664.4 | 503.3 | 472.1 | 533.2 | 546.4 | 536.3 | 477.5 |
| 65° | 3228.1 | 618.3 | 631.5 | 587.1 | 618.9 | 493.7 | 424.1 | 498.5 | 516.5 | 500.9 | 418.2 |
| 67.5° | 2184.5 | 446.4 | 511.7 | 532.1 | 545.2 | 472.1 | 389.4 | 458.9 | 482.9 | 462.6 | 349.3 |
| 70° | 1179.7 | 313.3 | 337.9 | 448.1 | 463.1 | 435.0 | 358.2 | 418.8 | 446.4 | 424.1 | 284.6 |
| 72.5° | 696.8 | 225.3 | 236.7 | 360.1 | 385.8 | 382.8 | 323.5 | 372.1 | 405.6 | 379.2 | 231.2 |
| 75° | 384.1 | 152.2 | 168.9 | 261.3 | 313.3 | 295.4 | 278.0 | 315.2 | 349.3 | 323.5 | 178.6 |
| 77.5° | 172.0 | 91.0 | 117.5 | 171.4 | 246.2 | 202.5 | 215.0 | 245.7 | 277.4 | 250.4 | 119.2 |
| 80° | 66.5 | 50.9 | 77.9 | 93.5 | 179.2 | 112.0 | 138.4 | 180.9 | 203.7 | 182.1 | 72.5 |
| 82.5° | 8.4 | 22.8 | 33.5 | 36.6 | 104.2 | 59.3 | 80.3 | 113.9 | 112.0 | 97.1 | 36.6 |
| 85° | 0.0 | 4.2 | 4.8 | 2.4 | 44.9 | 21.5 | 26.3 | 37.1 | 34.7 | 26.3 | 3.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 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: NAV-SB3A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 |
| 2.5° | 1049.1 | 1027.6 | 1016.7 | 1007.8 | 1016.2 | 1020.9 | 1020.9 | 1041.3 | 1053.3 | 1058.1 | 1091.6 |
| 5° | 924.4 | 884.4 | 857.4 | 841.2 | 846.5 | 852.6 | 859.2 | 884.9 | 902.3 | 913.7 | 965.9 |
| 7.5° | 826.3 | 765.1 | 727.3 | 707.6 | 710.6 | 714.7 | 720.2 | 745.4 | 762.7 | 777.7 | 835.8 |
| 10° | 777.7 | 691.4 | 641.6 | 617.7 | 613.6 | 611.1 | 609.4 | 624.3 | 637.4 | 649.4 | 706.9 |
| 12.5° | 780.1 | 659.7 | 599.1 | 569.8 | 557.2 | 542.8 | 531.5 | 533.8 | 542.2 | 557.2 | 593.8 |
| 15° | 810.7 | 649.4 | 577.0 | 540.4 | 519.5 | 502.7 | 488.9 | 486.0 | 488.9 | 491.3 | 514.0 |
| 17.5° | 852.0 | 648.3 | 557.8 | 512.3 | 490.7 | 476.9 | 464.3 | 460.1 | 460.7 | 463.7 | 469.8 |
| 20° | 884.9 | 644.7 | 536.3 | 485.3 | 466.2 | 454.2 | 441.6 | 437.4 | 438.6 | 439.2 | 445.8 |
| 22.5° | 902.3 | 639.3 | 512.3 | 458.4 | 442.2 | 430.2 | 418.8 | 418.2 | 418.2 | 421.8 | 426.6 |
| 25° | 902.3 | 627.9 | 490.7 | 432.6 | 418.2 | 407.4 | 393.6 | 396.1 | 397.2 | 402.0 | 409.2 |
| 27.5° | 880.8 | 606.3 | 473.3 | 410.4 | 395.4 | 384.7 | 372.1 | 375.0 | 376.9 | 382.2 | 391.2 |
| 30° | 853.2 | 580.6 | 453.6 | 389.4 | 372.1 | 364.3 | 353.5 | 354.6 | 357.1 | 363.1 | 373.3 |
| 32.5° | 823.8 | 550.0 | 437.4 | 368.5 | 351.1 | 345.1 | 333.1 | 335.0 | 337.3 | 343.9 | 355.3 |
| 35° | 791.5 | 514.0 | 418.2 | 349.3 | 331.9 | 327.2 | 313.3 | 314.6 | 318.2 | 325.3 | 336.7 |
| 37.5° | 757.3 | 484.7 | 399.0 | 330.8 | 312.7 | 307.9 | 293.6 | 294.8 | 299.0 | 307.4 | 318.2 |
| 40° | 723.8 | 455.9 | 378.6 | 311.0 | 292.9 | 288.7 | 273.2 | 274.4 | 279.2 | 288.2 | 299.6 |
| 42.5° | 687.3 | 433.8 | 352.3 | 290.6 | 271.4 | 267.2 | 252.9 | 254.6 | 260.0 | 269.1 | 280.4 |
| 45° | 643.5 | 419.4 | 323.0 | 271.4 | 249.8 | 245.7 | 232.5 | 236.1 | 242.0 | 251.0 | 263.0 |
| 47.5° | 598.5 | 413.4 | 298.4 | 251.0 | 227.7 | 224.1 | 213.3 | 219.2 | 225.9 | 233.1 | 246.2 |
| 50° | 555.4 | 405.6 | 273.2 | 231.9 | 208.5 | 204.9 | 197.7 | 205.5 | 212.1 | 218.7 | 231.2 |
| 52.5° | 506.2 | 388.9 | 250.4 | 215.0 | 192.3 | 191.2 | 187.6 | 194.7 | 200.7 | 206.7 | 217.5 |
| 55° | 455.3 | 361.9 | 230.6 | 200.1 | 178.6 | 179.8 | 177.9 | 184.0 | 188.7 | 194.1 | 203.7 |
| 57.5° | 411.0 | 327.7 | 215.0 | 184.0 | 166.6 | 170.1 | 167.8 | 170.8 | 173.7 | 180.3 | 188.1 |
| 60° | 366.0 | 287.0 | 197.7 | 164.7 | 154.6 | 158.8 | 152.2 | 151.6 | 152.8 | 154.6 | 168.9 |
| 62.5° | 305.6 | 244.5 | 176.2 | 148.0 | 141.3 | 143.2 | 130.6 | 121.1 | 121.1 | 122.8 | 144.4 |
| 65° | 245.7 | 204.9 | 152.2 | 128.8 | 123.4 | 122.2 | 104.2 | 91.0 | 89.9 | 95.2 | 113.9 |
| 67.5° | 201.9 | 170.1 | 128.2 | 107.2 | 103.6 | 104.9 | 91.6 | 78.5 | 77.3 | 83.2 | 97.1 |
| 70° | 167.2 | 137.2 | 102.5 | 82.7 | 86.3 | 91.6 | 78.5 | 65.9 | 64.1 | 69.5 | 82.7 |
| 72.5° | 133.0 | 107.2 | 78.5 | 61.1 | 71.3 | 77.9 | 64.1 | 52.2 | 50.9 | 55.8 | 68.3 |
| 75° | 97.7 | 76.7 | 53.3 | 44.4 | 55.1 | 61.1 | 46.7 | 37.1 | 35.4 | 39.6 | 52.2 |
| 77.5° | 60.5 | 43.2 | 33.5 | 26.3 | 37.7 | 40.7 | 24.6 | 21.5 | 21.0 | 24.0 | 32.9 |
| 80° | 28.2 | 18.6 | 16.2 | 9.0 | 13.7 | 16.2 | 10.1 | 11.4 | 12.0 | 14.3 | 20.4 |
| 82.5° | 7.8 | 3.0 | 0.6 | 0.0 | 0.0 | 4.8 | 2.4 | 4.8 | 5.9 | 9.0 | 13.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 3.0 | 5.4 | 9.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 4.8 |
| 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):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 | 1204.3 |
| 2.5° | 1116.8 | 1140.7 | 1179.2 | 1218.6 | 1257.6 | 1297.1 | 1335.5 | 1349.3 |
| 5° | 1013.1 | 1068.3 | 1144.3 | 1225.8 | 1309.7 | 1394.8 | 1472.7 | 1508.1 |
| 7.5° | 897.5 | 976.6 | 1091.0 | 1218.6 | 1352.3 | 1485.8 | 1608.7 | 1665.6 |
| 10° | 774.1 | 874.1 | 1004.8 | 1177.3 | 1369.0 | 1553.6 | 1722.5 | 1796.2 |
| 12.5° | 656.6 | 761.5 | 905.9 | 1112.6 | 1355.9 | 1592.5 | 1795.6 | 1882.5 |
| 15° | 558.4 | 651.3 | 807.1 | 1035.9 | 1313.3 | 1594.9 | 1830.3 | 1925.7 |
| 17.5° | 484.7 | 545.2 | 706.4 | 950.8 | 1257.6 | 1572.8 | 1842.3 | 1944.2 |
| 20° | 448.1 | 464.9 | 575.7 | 841.8 | 1205.5 | 1551.7 | 1854.3 | 1961.5 |
| 22.5° | 426.6 | 430.8 | 470.9 | 701.0 | 1143.2 | 1545.2 | 1875.3 | 1985.5 |
| 25° | 409.2 | 410.4 | 421.2 | 555.4 | 1047.9 | 1541.0 | 1907.6 | 2018.5 |
| 27.5° | 391.9 | 391.9 | 397.8 | 447.5 | 918.5 | 1523.0 | 1949.7 | 2058.1 |
| 30° | 374.4 | 374.4 | 378.6 | 396.1 | 766.9 | 1487.7 | 2000.0 | 2109.6 |
| 32.5° | 356.5 | 356.5 | 360.1 | 372.7 | 612.3 | 1443.3 | 2046.1 | 2161.7 |
| 35° | 338.6 | 337.3 | 342.1 | 355.3 | 487.1 | 1387.0 | 2092.2 | 2218.0 |
| 37.5° | 319.4 | 318.8 | 323.5 | 338.6 | 420.6 | 1321.7 | 2127.0 | 2294.7 |
| 40° | 299.0 | 299.0 | 304.3 | 320.5 | 401.4 | 1239.6 | 2182.1 | 2405.0 |
| 42.5° | 280.4 | 279.2 | 285.2 | 304.9 | 387.0 | 1161.1 | 2280.9 | 2565.5 |
| 45° | 262.4 | 260.0 | 265.4 | 290.0 | 361.9 | 1133.5 | 2465.4 | 2802.8 |
| 47.5° | 245.7 | 239.6 | 244.5 | 272.0 | 339.1 | 1236.7 | 2767.4 | 3131.7 |
| 50° | 231.9 | 220.5 | 224.7 | 254.0 | 321.7 | 1460.1 | 3159.3 | 3568.4 |
| 52.5° | 217.5 | 202.5 | 204.9 | 231.9 | 306.2 | 1672.8 | 3584.0 | 4144.9 |
| 55° | 202.5 | 185.7 | 187.0 | 209.7 | 284.0 | 1704.6 | 3998.6 | 4931.0 |
| 57.5° | 185.7 | 170.1 | 170.1 | 189.3 | 267.8 | 1477.4 | 4317.4 | 5906.4 |
| 60° | 167.2 | 156.9 | 154.0 | 173.1 | 282.2 | 1042.5 | 4354.5 | 6535.4 |
| 62.5° | 146.8 | 141.3 | 137.2 | 157.5 | 292.9 | 617.7 | 4055.6 | 6383.3 |
| 65° | 123.4 | 122.2 | 119.2 | 173.1 | 246.8 | 364.9 | 3481.6 | 5916.5 |
| 67.5° | 103.6 | 101.9 | 101.9 | 181.5 | 187.6 | 229.5 | 2720.1 | 5274.2 |
| 70° | 89.3 | 82.7 | 82.7 | 137.2 | 113.9 | 158.8 | 1899.3 | 4581.0 |
| 72.5° | 74.9 | 67.8 | 62.9 | 109.7 | 85.1 | 116.2 | 1186.8 | 3923.2 |
| 75° | 60.0 | 54.5 | 48.5 | 72.5 | 63.6 | 88.0 | 689.6 | 3250.4 |
| 77.5° | 43.2 | 40.7 | 34.1 | 53.3 | 46.1 | 63.6 | 410.4 | 2508.0 |
| 80° | 22.1 | 22.8 | 21.5 | 30.5 | 31.2 | 43.2 | 233.7 | 1716.6 |
| 82.5° | 13.2 | 10.1 | 11.4 | 15.0 | 17.9 | 24.6 | 88.0 | 1008.9 |
| 85° | 8.4 | 5.4 | 5.4 | 7.2 | 9.0 | 9.6 | 27.0 | 409.2 |
| 87.5° | 4.2 | 1.8 | 2.4 | 3.6 | 3.0 | 2.4 | 1.2 | 103.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)