

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: P967819

Luminaire Tested: **NAV-SB5A-760-U-SLR-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P967819
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-SB5A-760-U-SLR-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 5700K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18753.4 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

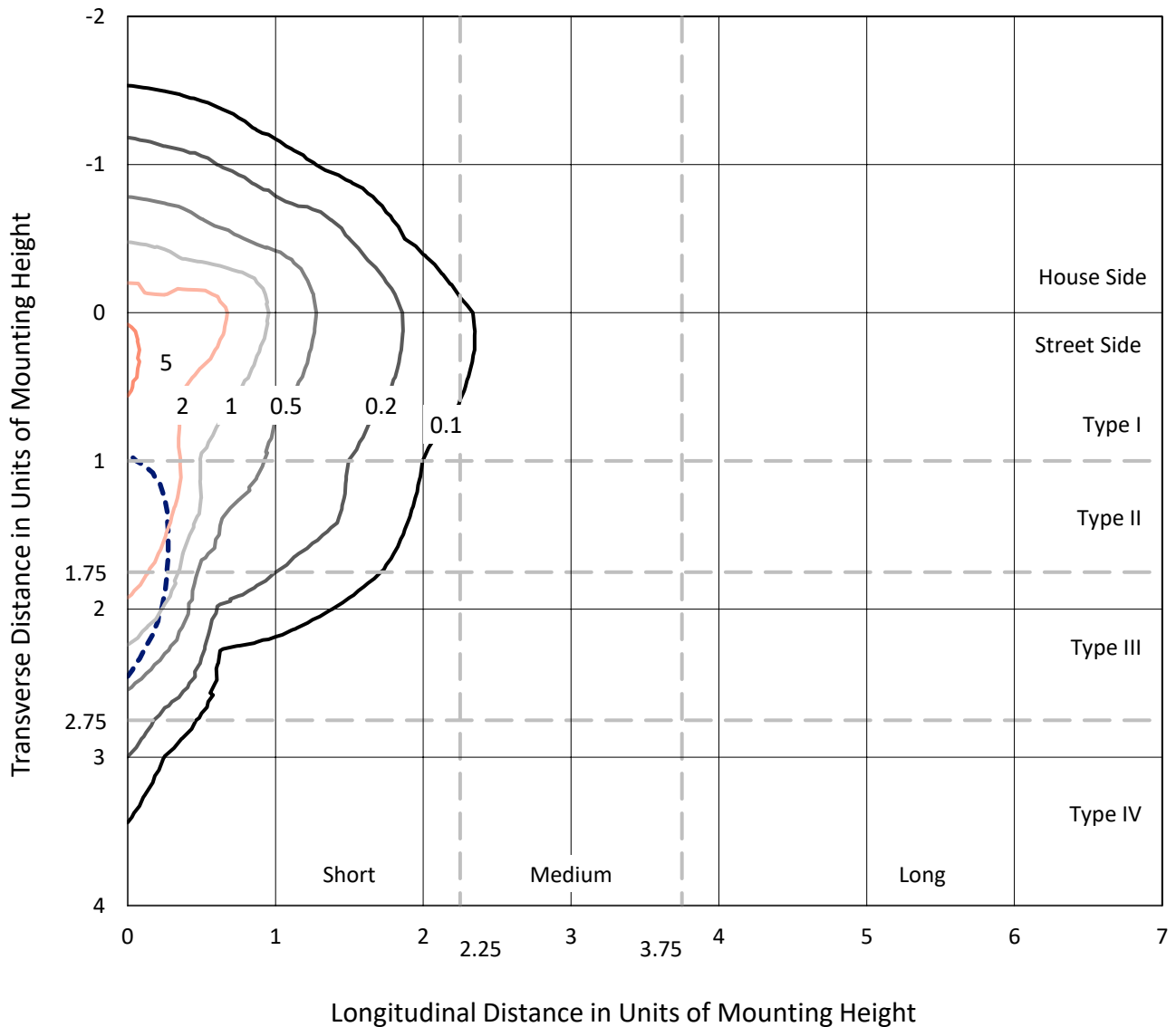
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P967819
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Iso-Footcandle Lines of Horizontal Illumination

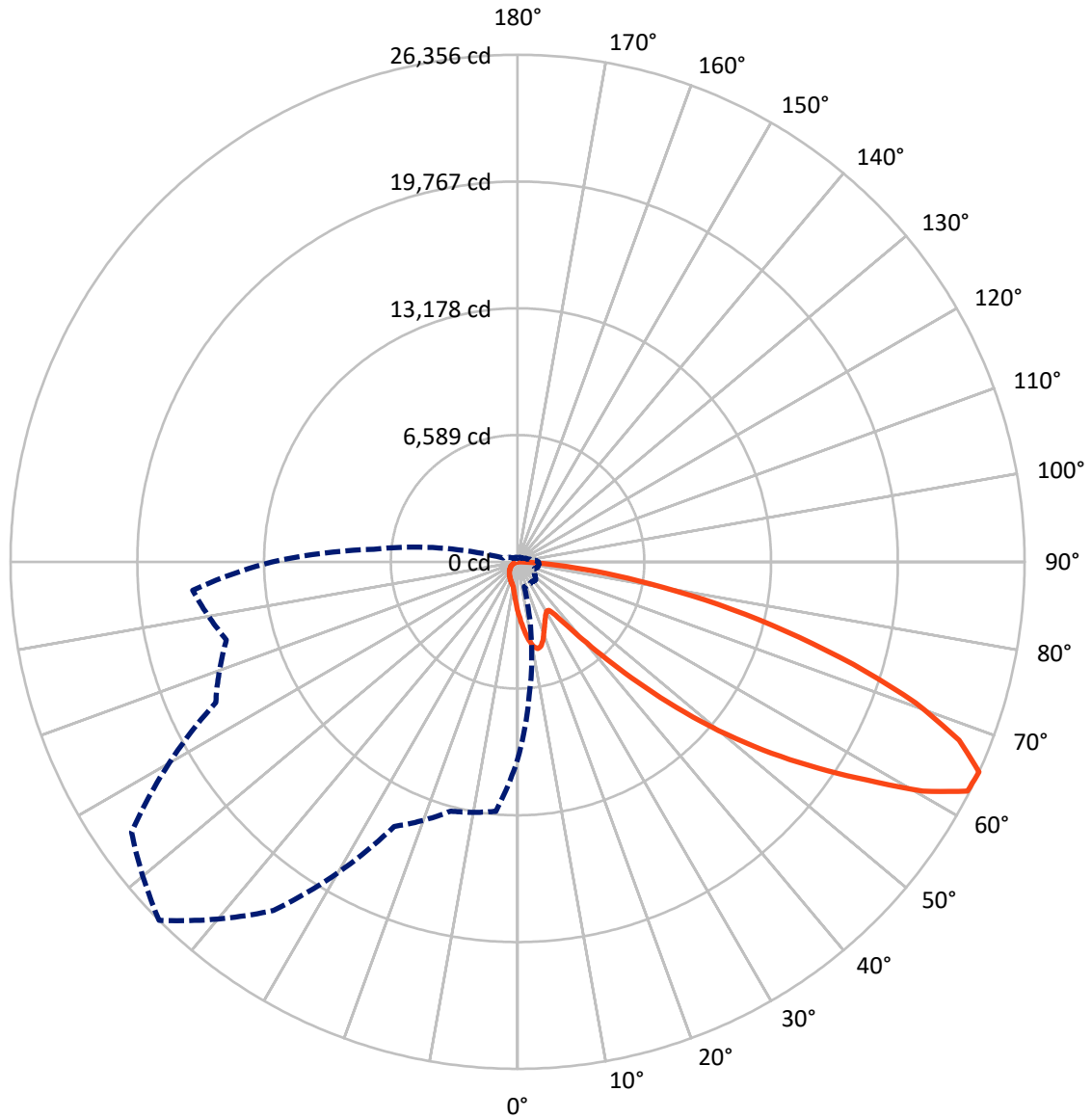
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 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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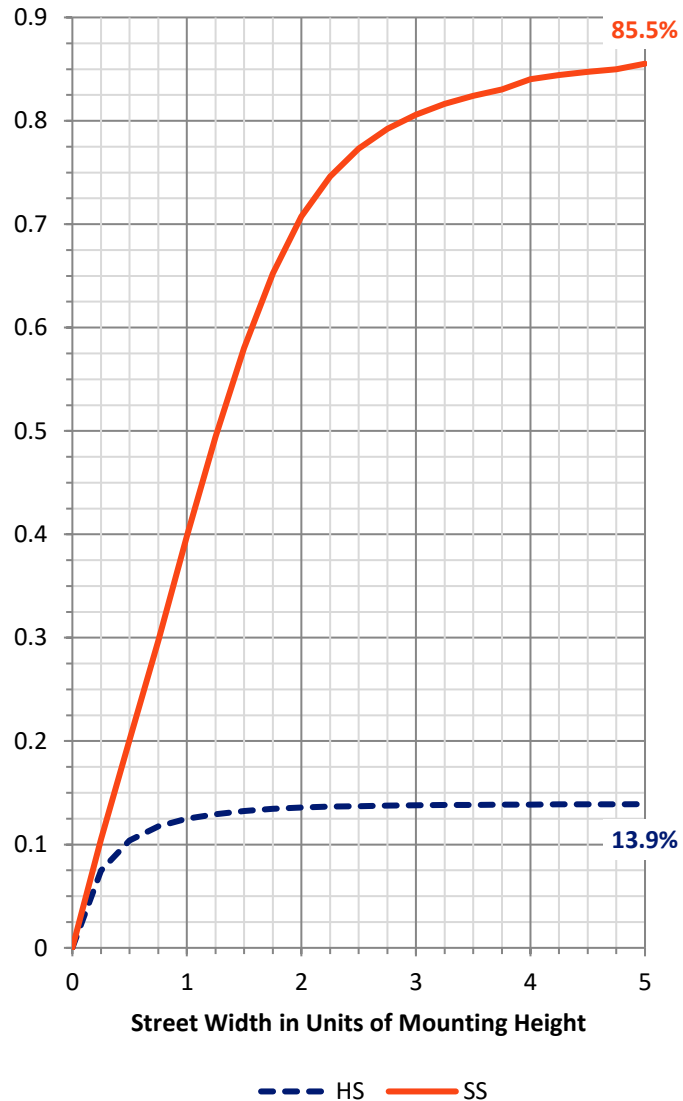
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2626.3 | 0.0 | 2626.3 |
| | % Fixture | 14.0 | 0.0 | 14.0 |
| Street Side | Lumens | 16127.1 | 0.0 | 16127.1 |
| | % Fixture | 86.0 | 0.0 | 86.0 |
| Total | Lumens | 18753.4 | 0.0 | 18753.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 255.7 | 1.4 |
| 10°-20° | 766.4 | 4.1 |
| 20°-30° | 1129.0 | 6.0 |
| 30°-40° | 1450.5 | 7.7 |
| 40°-50° | 2345.9 | 12.5 |
| 50°-60° | 4113.8 | 21.9 |
| 60°-70° | 5147.5 | 27.4 |
| 70°-80° | 3007.9 | 16.0 |
| 80°-90° | 536.7 | 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° | 18753.4 | 100.0 |
| 0°-180° | 18753.4 | 100.0 |

Coefficient of Utilization



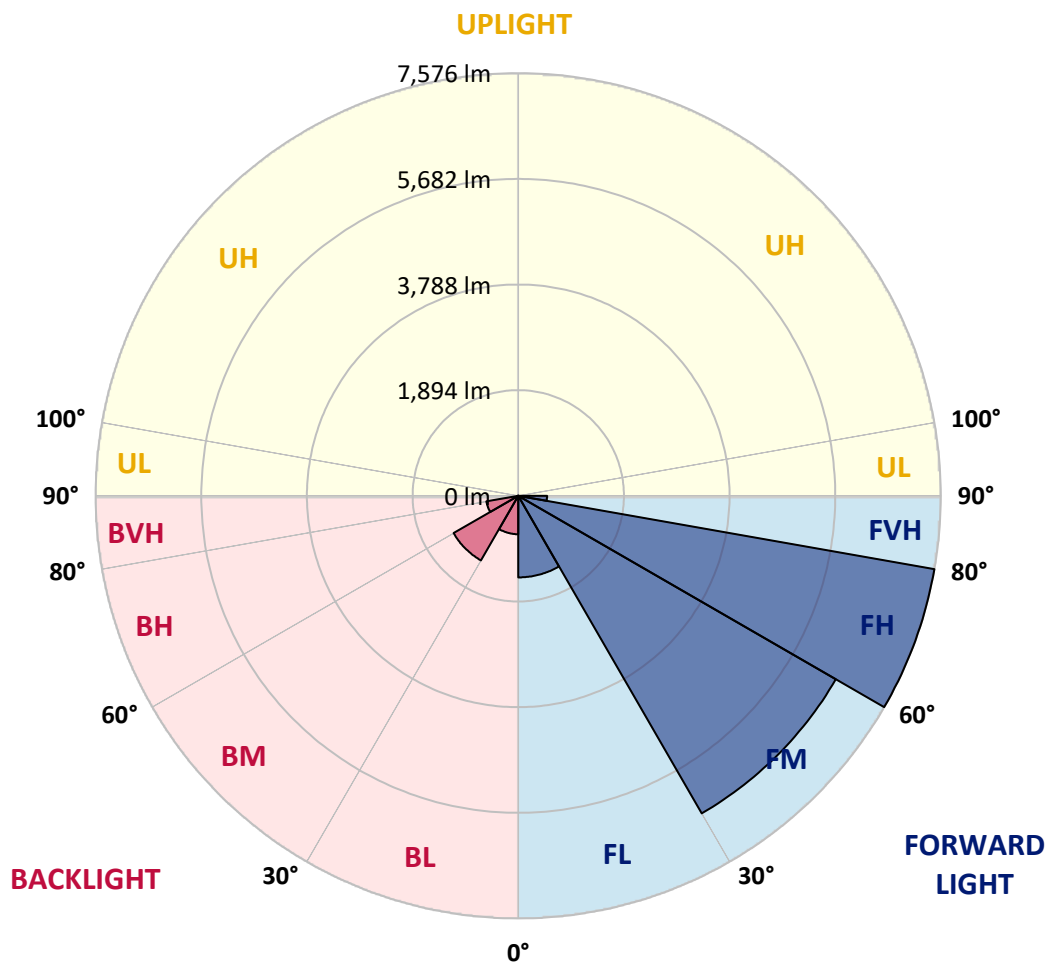
REPORT NUMBER: P967819
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1462.7 | 7.8 | | | |
| FM (30°-60°) | 6572.9 | 35.0 | | | |
| FH (60°-80°) | 7575.5 | 40.4 | | | G4/12000 |
| FVH (80°-90°) | 516.0 | 2.8 | | | G4/750 |
| BL (0°-30°) | 688.4 | 3.7 | B2/1000 | | |
| BM (30°-60°) | 1337.4 | 7.1 | B2/2500 | | |
| BH (60°-80°) | 579.9 | 3.1 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 20.6 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G4

Type IV Short



REPORT NUMBER: P967819
 CATALOG NUMBER: NAV-SB5A-760-U-SLR-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 |
| 2.5° | 2934.0 | 2883.5 | 2853.8 | 2780.2 | 2706.5 | 2647.2 | 2567.0 | 2514.0 | 2450.8 | 2390.0 | 2335.8 |
| 5° | 3269.9 | 3188.5 | 3090.3 | 2955.9 | 2833.2 | 2707.8 | 2586.4 | 2466.3 | 2339.7 | 2223.4 | 2152.3 |
| 7.5° | 3554.1 | 3436.5 | 3263.4 | 3085.0 | 2928.7 | 2777.6 | 2635.5 | 2476.6 | 2322.9 | 2140.7 | 2043.8 |
| 10° | 3771.1 | 3621.2 | 3393.9 | 3160.0 | 2980.5 | 2828.0 | 2689.8 | 2555.4 | 2400.3 | 2180.8 | 2059.3 |
| 12.5° | 3902.9 | 3742.7 | 3472.7 | 3198.8 | 2993.4 | 2822.8 | 2715.6 | 2656.2 | 2595.5 | 2377.1 | 2235.0 |
| 15° | 3999.8 | 3826.6 | 3528.3 | 3225.9 | 2963.7 | 2754.4 | 2675.6 | 2735.0 | 2804.7 | 2665.2 | 2501.1 |
| 17.5° | 4100.5 | 3918.4 | 3600.5 | 3237.6 | 2883.5 | 2621.3 | 2587.7 | 2741.5 | 2902.9 | 2896.4 | 2733.7 |
| 20° | 4196.1 | 4015.2 | 3663.9 | 3229.8 | 2754.4 | 2459.8 | 2489.5 | 2685.9 | 2873.2 | 2952.0 | 2864.2 |
| 22.5° | 4305.9 | 4114.8 | 3724.5 | 3200.0 | 2586.4 | 2308.6 | 2401.7 | 2598.1 | 2762.1 | 2855.1 | 2828.0 |
| 25° | 4440.3 | 4240.0 | 3809.8 | 3156.2 | 2405.6 | 2183.4 | 2312.5 | 2496.0 | 2629.0 | 2693.6 | 2692.4 |
| 27.5° | 4585.0 | 4390.0 | 3923.5 | 3132.9 | 2259.5 | 2094.2 | 2211.7 | 2374.5 | 2493.4 | 2538.6 | 2538.6 |
| 30° | 4764.6 | 4564.3 | 4057.9 | 3107.1 | 2164.0 | 2042.5 | 2107.1 | 2233.7 | 2350.0 | 2395.2 | 2395.2 |
| 32.5° | 4960.9 | 4758.2 | 4187.1 | 3045.1 | 2105.9 | 2003.8 | 2005.0 | 2085.2 | 2191.0 | 2245.4 | 2253.1 |
| 35° | 5206.4 | 4990.6 | 4325.3 | 2909.4 | 2059.3 | 1958.6 | 1905.6 | 1944.3 | 2032.2 | 2096.7 | 2113.5 |
| 37.5° | 5556.5 | 5295.6 | 4494.5 | 2715.6 | 1990.9 | 1888.8 | 1800.9 | 1809.9 | 1877.2 | 1948.2 | 1974.0 |
| 40° | 6039.7 | 5705.0 | 4693.5 | 2514.0 | 1892.7 | 1790.6 | 1685.9 | 1682.0 | 1731.1 | 1800.9 | 1829.3 |
| 42.5° | 6693.4 | 6246.3 | 4932.5 | 2321.5 | 1798.4 | 1671.8 | 1564.5 | 1558.0 | 1596.8 | 1657.5 | 1687.3 |
| 45° | 7556.4 | 6938.8 | 5225.8 | 2156.2 | 1724.7 | 1555.4 | 1449.6 | 1447.0 | 1479.3 | 1532.2 | 1563.2 |
| 47.5° | 8660.9 | 7901.3 | 5519.0 | 2043.8 | 1685.9 | 1463.7 | 1355.3 | 1360.4 | 1388.8 | 1436.6 | 1458.6 |
| 50° | 10091.1 | 9155.8 | 5608.2 | 1987.0 | 1685.9 | 1414.6 | 1271.2 | 1297.0 | 1320.3 | 1356.5 | 1369.4 |
| 52.5° | 11805.5 | 10359.9 | 5313.6 | 1935.3 | 1696.3 | 1421.1 | 1200.2 | 1255.7 | 1272.5 | 1303.5 | 1308.7 |
| 55° | 13394.6 | 10950.3 | 4568.2 | 1864.3 | 1698.8 | 1461.1 | 1139.5 | 1222.1 | 1253.2 | 1264.7 | 1263.5 |
| 57.5° | 14317.0 | 10747.4 | 3693.6 | 1744.0 | 1688.5 | 1488.3 | 1100.7 | 1180.8 | 1240.2 | 1247.9 | 1236.4 |
| 60° | 14141.3 | 10035.6 | 2719.4 | 1652.4 | 1612.3 | 1477.9 | 1089.1 | 1117.5 | 1211.9 | 1223.4 | 1208.0 |
| 62.5° | 12787.4 | 8841.9 | 1887.4 | 1581.3 | 1444.3 | 1432.7 | 1085.2 | 1018.0 | 1149.8 | 1178.2 | 1156.3 |
| 65° | 10278.5 | 6960.9 | 1333.2 | 1361.7 | 1266.1 | 1334.6 | 1064.6 | 914.7 | 1074.9 | 1113.7 | 1080.0 |
| 67.5° | 7456.9 | 4710.3 | 962.5 | 1103.3 | 1147.2 | 1175.7 | 1018.0 | 839.8 | 989.6 | 1041.3 | 997.3 |
| 70° | 4785.2 | 2543.7 | 675.7 | 728.7 | 966.4 | 998.7 | 938.0 | 772.5 | 903.0 | 962.5 | 914.7 |
| 72.5° | 3401.6 | 1502.4 | 485.7 | 510.3 | 776.4 | 832.0 | 825.5 | 697.6 | 802.3 | 874.6 | 817.7 |
| 75° | 2347.5 | 828.1 | 328.1 | 364.3 | 563.2 | 675.7 | 636.9 | 599.4 | 679.6 | 753.2 | 697.6 |
| 77.5° | 1471.5 | 370.7 | 196.4 | 253.2 | 369.5 | 530.9 | 436.6 | 463.8 | 529.7 | 598.2 | 540.0 |
| 80° | 819.1 | 143.4 | 109.8 | 168.0 | 201.5 | 386.3 | 241.6 | 298.5 | 390.1 | 439.2 | 392.8 |
| 82.5° | 178.2 | 18.0 | 49.1 | 72.4 | 78.8 | 224.8 | 127.9 | 173.1 | 245.5 | 241.6 | 209.3 |
| 85° | 0.0 | 0.0 | 9.0 | 10.4 | 5.1 | 96.9 | 46.5 | 56.9 | 80.1 | 74.9 | 56.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 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-SB5A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 |
| 2.5° | 2325.4 | 2262.2 | 2215.6 | 2192.4 | 2173.0 | 2191.0 | 2201.4 | 2201.4 | 2245.4 | 2271.2 | 2281.5 |
| 5° | 2107.1 | 1993.4 | 1906.9 | 1848.7 | 1813.8 | 1825.4 | 1838.4 | 1852.6 | 1908.1 | 1945.7 | 1970.2 |
| 7.5° | 1956.0 | 1781.6 | 1649.7 | 1568.4 | 1525.7 | 1532.2 | 1541.3 | 1552.9 | 1607.1 | 1644.6 | 1676.9 |
| 10° | 1927.5 | 1676.9 | 1490.9 | 1383.6 | 1332.0 | 1323.0 | 1317.7 | 1313.8 | 1346.1 | 1374.6 | 1400.5 |
| 12.5° | 2043.8 | 1682.0 | 1422.4 | 1291.9 | 1228.6 | 1201.5 | 1170.4 | 1145.9 | 1151.1 | 1169.2 | 1201.5 |
| 15° | 2251.8 | 1747.9 | 1400.5 | 1244.1 | 1165.3 | 1120.1 | 1083.9 | 1054.2 | 1047.8 | 1054.2 | 1059.3 |
| 17.5° | 2489.5 | 1837.1 | 1397.9 | 1202.7 | 1104.5 | 1058.1 | 1028.4 | 1001.2 | 992.2 | 993.5 | 1000.0 |
| 20° | 2647.2 | 1908.1 | 1390.1 | 1156.3 | 1046.4 | 1005.1 | 979.3 | 952.1 | 943.1 | 945.7 | 947.0 |
| 22.5° | 2662.6 | 1945.7 | 1378.5 | 1104.5 | 988.3 | 953.5 | 927.6 | 903.0 | 901.8 | 901.8 | 909.5 |
| 25° | 2578.7 | 1945.7 | 1353.9 | 1058.1 | 932.7 | 901.8 | 878.5 | 848.8 | 853.9 | 856.5 | 866.8 |
| 27.5° | 2448.2 | 1899.1 | 1307.4 | 1020.6 | 885.0 | 852.7 | 829.4 | 802.3 | 808.7 | 812.6 | 824.2 |
| 30° | 2319.0 | 1839.7 | 1251.8 | 978.0 | 839.8 | 802.3 | 785.5 | 762.2 | 764.9 | 770.0 | 782.9 |
| 32.5° | 2198.8 | 1776.4 | 1186.0 | 943.1 | 794.5 | 757.1 | 744.2 | 718.3 | 722.2 | 727.3 | 741.6 |
| 35° | 2079.9 | 1706.6 | 1108.4 | 901.8 | 753.2 | 715.8 | 705.4 | 675.7 | 678.2 | 686.0 | 701.5 |
| 37.5° | 1952.1 | 1632.9 | 1045.2 | 860.4 | 713.1 | 674.3 | 664.0 | 633.0 | 635.6 | 644.6 | 662.8 |
| 40° | 1817.7 | 1560.7 | 983.2 | 816.5 | 670.5 | 631.7 | 622.7 | 589.1 | 591.7 | 602.0 | 621.5 |
| 42.5° | 1682.0 | 1481.8 | 935.3 | 759.6 | 626.6 | 585.3 | 576.2 | 545.2 | 549.1 | 560.7 | 580.0 |
| 45° | 1556.8 | 1387.5 | 904.4 | 696.4 | 585.3 | 538.7 | 529.7 | 501.2 | 509.0 | 521.9 | 541.3 |
| 47.5° | 1449.6 | 1290.6 | 891.4 | 643.4 | 541.3 | 491.0 | 483.2 | 459.9 | 472.8 | 487.1 | 502.6 |
| 50° | 1357.8 | 1197.6 | 874.6 | 589.1 | 500.0 | 449.6 | 441.9 | 426.3 | 443.1 | 457.4 | 471.5 |
| 52.5° | 1291.9 | 1091.6 | 838.4 | 540.0 | 463.8 | 414.7 | 412.2 | 404.4 | 419.8 | 432.8 | 445.7 |
| 55° | 1235.0 | 981.8 | 780.3 | 497.4 | 431.5 | 385.0 | 387.6 | 383.7 | 396.6 | 406.9 | 418.6 |
| 57.5° | 1183.4 | 886.2 | 706.6 | 463.8 | 396.6 | 359.2 | 367.0 | 361.7 | 368.2 | 374.6 | 388.9 |
| 60° | 1121.4 | 789.4 | 618.8 | 426.3 | 355.3 | 333.3 | 342.3 | 328.1 | 326.9 | 329.4 | 333.3 |
| 62.5° | 1029.6 | 658.9 | 527.1 | 379.9 | 319.1 | 304.9 | 308.7 | 281.7 | 261.0 | 261.0 | 264.9 |
| 65° | 901.8 | 529.7 | 441.9 | 328.1 | 277.8 | 266.1 | 263.5 | 224.8 | 196.4 | 193.8 | 205.4 |
| 67.5° | 753.2 | 435.4 | 367.0 | 276.4 | 231.2 | 223.4 | 226.1 | 197.6 | 169.2 | 166.7 | 179.6 |
| 70° | 613.7 | 360.5 | 295.8 | 220.9 | 178.2 | 186.0 | 197.6 | 169.2 | 142.1 | 138.3 | 149.9 |
| 72.5° | 498.7 | 286.8 | 231.2 | 169.2 | 131.8 | 153.8 | 168.0 | 138.3 | 112.4 | 109.8 | 120.1 |
| 75° | 385.0 | 210.5 | 165.3 | 115.0 | 95.6 | 118.9 | 131.8 | 100.8 | 80.1 | 76.3 | 85.3 |
| 77.5° | 257.1 | 130.5 | 93.0 | 72.4 | 56.9 | 81.4 | 87.8 | 53.0 | 46.5 | 45.2 | 51.7 |
| 80° | 156.3 | 60.7 | 40.1 | 34.8 | 19.4 | 29.7 | 34.8 | 21.9 | 24.5 | 25.8 | 31.0 |
| 82.5° | 78.8 | 16.8 | 6.5 | 1.3 | 0.0 | 0.0 | 10.4 | 5.1 | 10.4 | 12.9 | 19.4 |
| 85° | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 6.5 | 11.6 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.1 |
| 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-SB5A-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 |
| 2.5° | 2353.9 | 2408.1 | 2459.8 | 2542.5 | 2627.8 | 2711.7 | 2797.0 | 2879.6 | 2909.4 | 2931.4 | 2980.5 |
| 5° | 2082.6 | 2184.6 | 2303.5 | 2467.6 | 2643.3 | 2824.1 | 3007.6 | 3175.6 | 3251.7 | 3303.5 | 3419.7 |
| 7.5° | 1802.3 | 1935.3 | 2105.9 | 2352.6 | 2627.8 | 2915.8 | 3203.9 | 3468.8 | 3591.5 | 3691.0 | 3867.9 |
| 10° | 1524.5 | 1669.1 | 1884.9 | 2166.5 | 2538.6 | 2952.0 | 3349.9 | 3714.3 | 3873.2 | 3998.4 | 4238.8 |
| 12.5° | 1280.3 | 1415.9 | 1642.0 | 1953.3 | 2399.1 | 2923.6 | 3434.0 | 3871.8 | 4059.2 | 4200.0 | 4463.6 |
| 15° | 1108.4 | 1204.1 | 1404.4 | 1740.2 | 2233.7 | 2831.9 | 3439.1 | 3946.8 | 4152.2 | 4299.5 | 4528.1 |
| 17.5° | 1012.9 | 1045.2 | 1175.7 | 1523.1 | 2050.3 | 2711.7 | 3391.3 | 3972.6 | 4192.2 | 4329.2 | 4488.1 |
| 20° | 961.1 | 966.4 | 1002.6 | 1241.5 | 1815.2 | 2599.3 | 3346.0 | 3998.4 | 4229.8 | 4344.7 | 4392.5 |
| 22.5° | 919.8 | 919.8 | 928.9 | 1015.5 | 1511.6 | 2464.9 | 3331.9 | 4043.7 | 4281.4 | 4352.5 | 4254.3 |
| 25° | 882.4 | 882.4 | 885.0 | 908.3 | 1197.6 | 2259.5 | 3322.8 | 4113.4 | 4352.5 | 4371.8 | 4101.8 |
| 27.5° | 843.6 | 844.9 | 844.9 | 857.8 | 965.0 | 1980.5 | 3284.0 | 4203.9 | 4437.7 | 4397.7 | 3955.9 |
| 30° | 804.8 | 807.5 | 807.5 | 816.5 | 853.9 | 1653.6 | 3207.8 | 4312.4 | 4548.8 | 4431.3 | 3811.2 |
| 32.5° | 766.1 | 768.6 | 768.6 | 776.4 | 803.6 | 1320.3 | 3112.2 | 4411.9 | 4661.2 | 4445.4 | 3676.8 |
| 35° | 726.0 | 729.9 | 727.3 | 737.7 | 766.1 | 1050.3 | 2990.7 | 4511.3 | 4782.6 | 4490.7 | 3610.9 |
| 37.5° | 686.0 | 688.6 | 687.3 | 697.6 | 729.9 | 906.9 | 2849.9 | 4586.3 | 4948.0 | 4591.5 | 3689.7 |
| 40° | 646.0 | 644.6 | 644.6 | 656.3 | 691.2 | 865.6 | 2673.0 | 4705.2 | 5185.8 | 4768.4 | 4033.4 |
| 42.5° | 604.6 | 604.6 | 602.0 | 615.0 | 657.5 | 834.6 | 2503.8 | 4918.4 | 5531.9 | 5050.1 | 4643.1 |
| 45° | 567.1 | 565.9 | 560.7 | 572.4 | 625.2 | 780.3 | 2444.3 | 5316.3 | 6043.6 | 5506.1 | 5380.8 |
| 47.5° | 530.9 | 529.7 | 516.8 | 527.1 | 586.5 | 731.2 | 2666.5 | 5967.3 | 6752.8 | 6176.6 | 6072.0 |
| 50° | 498.7 | 500.0 | 475.4 | 484.5 | 547.8 | 693.7 | 3148.4 | 6812.3 | 7694.7 | 7079.7 | 6727.0 |
| 52.5° | 468.9 | 468.9 | 436.6 | 441.9 | 500.0 | 660.2 | 3607.0 | 7728.2 | 8937.5 | 8339.3 | 7490.5 |
| 55° | 439.2 | 436.6 | 400.5 | 403.0 | 452.1 | 612.3 | 3675.4 | 8622.2 | 10632.4 | 10234.5 | 8534.4 |
| 57.5° | 405.7 | 400.5 | 367.0 | 367.0 | 408.3 | 577.5 | 3185.9 | 9309.6 | 12735.7 | 13019.9 | 10039.5 |
| 60° | 364.3 | 360.5 | 338.5 | 332.0 | 373.4 | 608.4 | 2247.9 | 9389.6 | 14092.2 | 16723.8 | 12921.8 |
| 62.5° | 311.4 | 316.5 | 304.9 | 295.8 | 339.8 | 631.7 | 1332.0 | 8745.0 | 13764.0 | 17902.0 | 16373.8 |
| 65° | 245.5 | 266.1 | 263.5 | 257.1 | 373.4 | 532.3 | 786.8 | 7507.3 | 12757.7 | 16951.2 | 15669.6 |
| 67.5° | 209.3 | 223.4 | 219.7 | 219.7 | 391.4 | 404.4 | 494.8 | 5865.3 | 11372.7 | 15823.3 | 13996.6 |
| 70° | 178.2 | 192.5 | 178.2 | 178.2 | 295.8 | 245.5 | 342.3 | 4095.4 | 9877.9 | 14575.4 | 12898.5 |
| 72.5° | 147.3 | 161.5 | 146.0 | 135.6 | 236.5 | 183.5 | 250.6 | 2559.3 | 8459.4 | 13275.7 | 12146.6 |
| 75° | 112.4 | 129.1 | 117.6 | 104.7 | 156.3 | 136.9 | 189.9 | 1487.0 | 7008.6 | 11358.5 | 11075.5 |
| 77.5° | 71.0 | 93.0 | 87.8 | 73.6 | 115.0 | 99.5 | 136.9 | 885.0 | 5407.9 | 8875.5 | 9526.6 |
| 80° | 44.0 | 47.8 | 49.1 | 46.5 | 65.9 | 67.1 | 93.0 | 503.9 | 3701.4 | 6185.7 | 7442.7 |
| 82.5° | 28.4 | 28.4 | 21.9 | 24.5 | 32.3 | 38.7 | 53.0 | 189.9 | 2175.6 | 3766.0 | 5180.6 |
| 85° | 20.7 | 18.0 | 11.6 | 11.6 | 15.5 | 19.4 | 20.7 | 58.1 | 882.4 | 1487.0 | 2025.7 |
| 87.5° | 10.4 | 9.0 | 3.9 | 5.1 | 7.8 | 6.5 | 5.1 | 2.6 | 222.2 | 475.4 | 333.3 |
| 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° | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 |
| 2.5° | 3006.3 | 3046.3 | 3049.0 | 3049.0 | 3014.0 | 3012.8 | 2941.6 | 2934.0 |
| 5° | 3539.8 | 3565.7 | 3572.1 | 3559.2 | 3489.4 | 3437.7 | 3299.6 | 3269.9 |
| 7.5° | 4028.1 | 4079.9 | 4079.9 | 4048.9 | 3935.2 | 3829.2 | 3629.0 | 3554.1 |
| 10° | 4418.4 | 4477.8 | 4464.9 | 4401.6 | 4258.2 | 4112.2 | 3869.3 | 3771.1 |
| 12.5° | 4608.3 | 4669.0 | 4635.4 | 4563.0 | 4423.5 | 4269.7 | 4014.0 | 3902.9 |
| 15° | 4604.4 | 4587.6 | 4552.7 | 4543.6 | 4476.5 | 4360.2 | 4121.2 | 3999.8 |
| 17.5° | 4440.3 | 4298.2 | 4271.1 | 4361.5 | 4446.8 | 4418.4 | 4214.2 | 4100.5 |
| 20° | 4180.7 | 3932.6 | 3908.0 | 4081.1 | 4324.1 | 4448.1 | 4300.8 | 4196.1 |
| 22.5° | 3906.8 | 3639.4 | 3582.5 | 3773.6 | 4139.3 | 4457.1 | 4410.6 | 4305.9 |
| 25° | 3647.1 | 3378.4 | 3321.5 | 3499.8 | 3933.8 | 4441.6 | 4529.5 | 4440.3 |
| 27.5° | 3430.1 | 3170.3 | 3117.4 | 3295.7 | 3736.2 | 4397.7 | 4648.3 | 4585.0 |
| 30° | 3262.1 | 3021.8 | 2983.1 | 3154.8 | 3565.7 | 4343.4 | 4799.5 | 4764.6 |
| 32.5° | 3163.9 | 2988.2 | 3002.4 | 3143.3 | 3473.9 | 4284.0 | 4944.2 | 4960.9 |
| 35° | 3260.8 | 3268.5 | 3392.5 | 3450.7 | 3559.2 | 4275.0 | 5140.5 | 5206.4 |
| 37.5° | 3742.7 | 4011.4 | 4268.5 | 4220.6 | 3976.5 | 4379.6 | 5433.8 | 5556.5 |
| 40° | 4563.0 | 5114.6 | 5531.9 | 5349.8 | 4734.9 | 4699.9 | 5856.2 | 6039.7 |
| 42.5° | 5565.5 | 6500.9 | 7188.2 | 6699.9 | 5712.8 | 5260.7 | 6459.5 | 6693.4 |
| 45° | 6623.7 | 8210.1 | 9292.8 | 8277.3 | 6755.4 | 6046.2 | 7372.9 | 7556.4 |
| 47.5° | 7738.5 | 10287.5 | 11688.0 | 10026.6 | 7721.7 | 6940.2 | 8618.4 | 8660.9 |
| 50° | 8958.1 | 12565.2 | 14129.6 | 11774.5 | 8654.5 | 7964.7 | 10140.2 | 10091.1 |
| 52.5° | 10119.5 | 14907.4 | 16519.7 | 13530.2 | 9473.6 | 9235.9 | 11906.3 | 11805.5 |
| 55° | 11228.1 | 17248.3 | 18924.0 | 15217.5 | 10246.2 | 10915.3 | 14004.4 | 13394.6 |
| 57.5° | 12513.5 | 19352.8 | 21401.8 | 16912.4 | 11326.2 | 13096.1 | 16350.5 | 14317.0 |
| 60° | 14413.9 | 21744.1 | 24204.0 | 19235.3 | 13380.4 | 15388.0 | 17191.5 | 14141.3 |
| 62.5° | 16840.1 | 23943.1 | 26241.3 | 21511.7 | 15443.6 | 15819.4 | 15952.6 | 12787.4 |
| 65° | 17311.6 | 24499.9 | 26356.3 | 22120.1 | 15177.4 | 13419.1 | 13023.8 | 10278.5 |
| 67.5° | 16061.0 | 23493.4 | 24749.1 | 20987.2 | 13425.6 | 10370.2 | 9773.4 | 7456.9 |
| 70° | 14658.0 | 21574.9 | 21948.3 | 19060.9 | 11808.1 | 7627.4 | 6600.4 | 4785.2 |
| 72.5° | 13220.1 | 19015.7 | 18243.2 | 16553.2 | 10377.9 | 5554.0 | 4760.7 | 3401.6 |
| 75° | 11512.3 | 15650.2 | 14370.0 | 13753.8 | 8592.5 | 4358.9 | 3444.2 | 2347.5 |
| 77.5° | 9219.1 | 11016.2 | 10673.8 | 10660.8 | 6457.0 | 3184.6 | 2298.4 | 1471.5 |
| 80° | 6503.5 | 7149.5 | 6975.0 | 8029.2 | 4331.8 | 2309.9 | 1383.6 | 819.1 |
| 82.5° | 3148.4 | 3953.2 | 4057.9 | 4781.4 | 2107.1 | 1359.0 | 319.1 | 178.2 |
| 85° | 1232.5 | 1906.9 | 1608.4 | 1815.2 | 591.7 | 378.5 | 7.8 | 0.0 |
| 87.5° | 138.3 | 220.9 | 202.8 | 160.2 | 72.4 | 15.5 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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