

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: P964223

Luminaire Tested: **NAV-SB3B-835-U-SLR-HSS**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P964223  
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-SB3B-835-U-SLR-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3500K, 450mA 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: 12259 lumens  
Efficiency: N/A  
Efficacy: 112.3 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): 109.2  
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

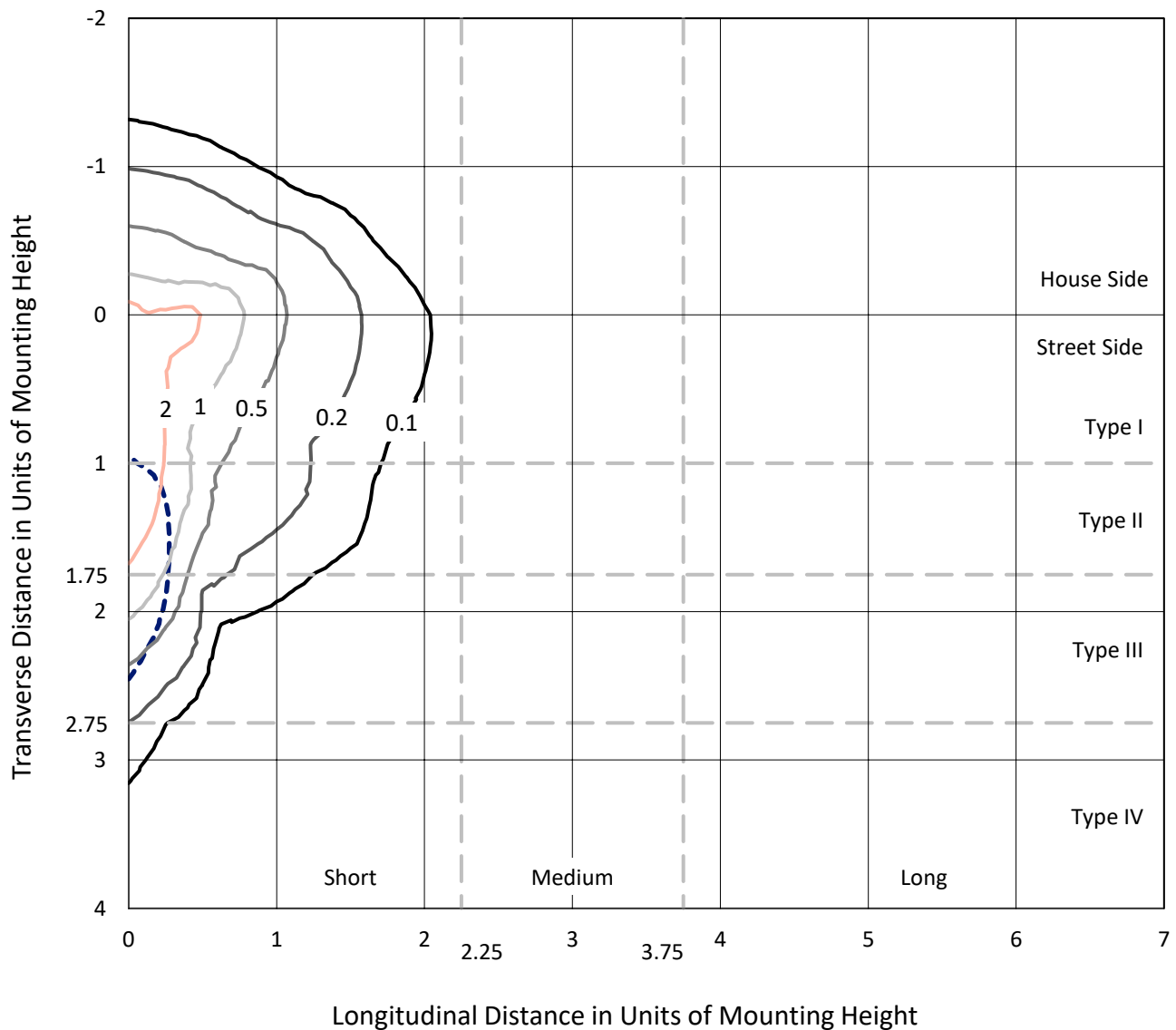


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## Iso-Footcandle Lines of Horizontal Illumination

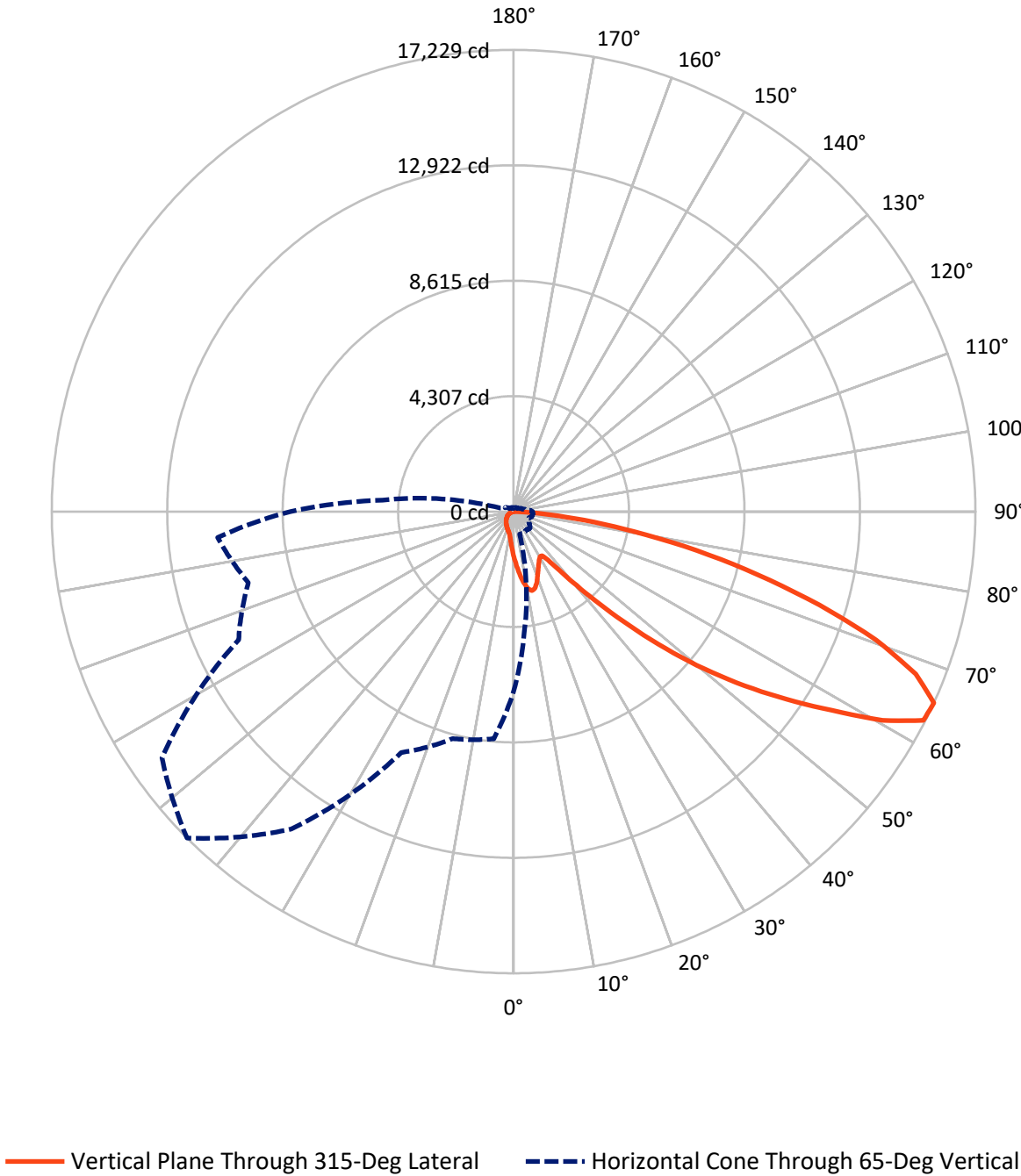
× Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc  
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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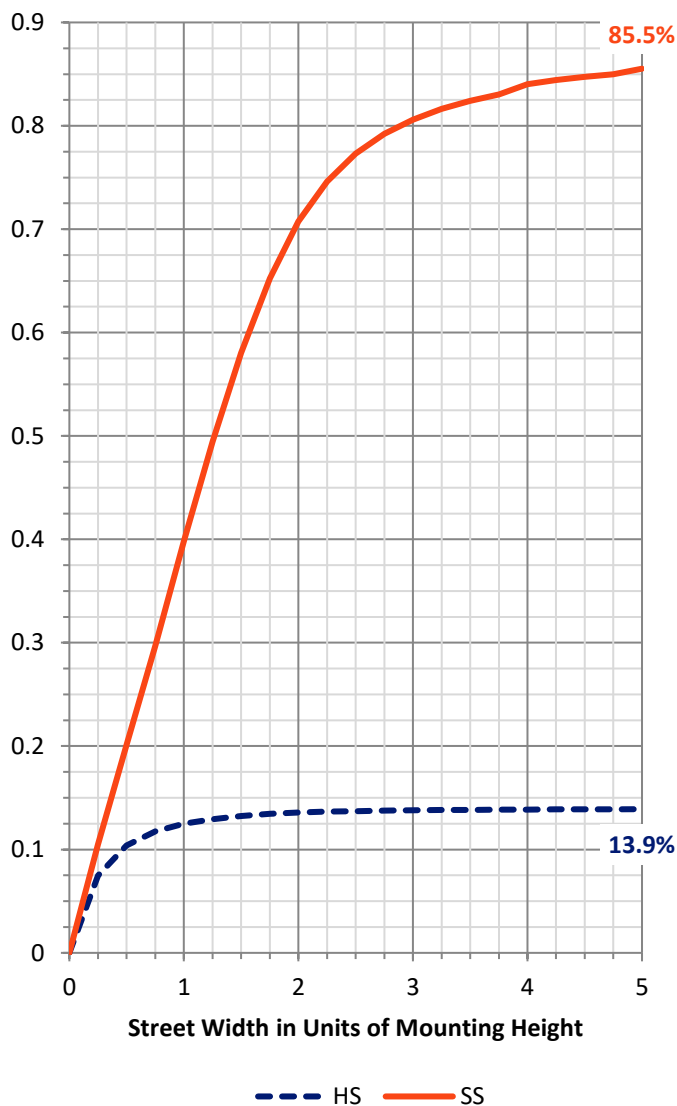
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 1716.8   | 0.0    | 1716.8  |
|                    | % Fixture | 14.0     | 0.0    | 14.0    |
| <b>Street Side</b> | Lumens    | 10542.2  | 0.0    | 10542.2 |
|                    | % Fixture | 86.0     | 0.0    | 86.0    |
| <b>Total</b>       | Lumens    | 12259.0  | 0.0    | 12259.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 167.1   | 1.4       |
| 10°-20°   | 501.0   | 4.1       |
| 20°-30°   | 738.1   | 6.0       |
| 30°-40°   | 948.2   | 7.7       |
| 40°-50°   | 1533.5  | 12.5      |
| 50°-60°   | 2689.2  | 21.9      |
| 60°-70°   | 3364.9  | 27.4      |
| 70°-80°   | 1966.3  | 16.0      |
| 80°-90°   | 350.8   | 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°    | 12259.0 | 100.0     |
| 0°-180°   | 12259.0 | 100.0     |

**Coefficient of Utilization**



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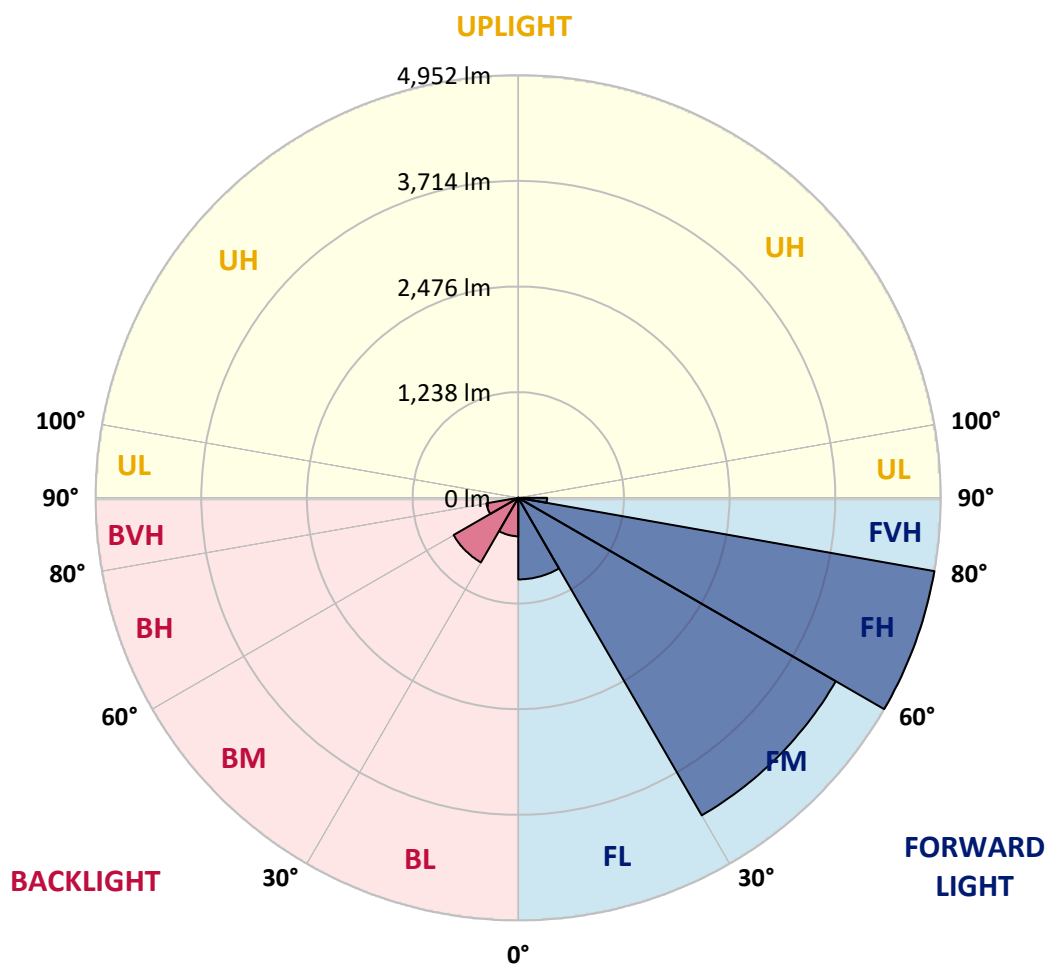
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 956.2  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 4296.6 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 4952.1 | 40.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 337.3  | 2.8       |                         |      | G3/500  |
| BL   | (0°-30°)    | 450.0  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 874.2  | 7.1       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 379.1  | 3.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 13.5   | 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



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 |
| 2.5°  | 1917.9 | 1885.0 | 1865.5 | 1817.4 | 1769.3 | 1730.4 | 1678.0 | 1643.4 | 1602.1 | 1562.4 | 1526.8 |
| 5°    | 2137.4 | 2084.2 | 2020.1 | 1932.2 | 1852.1 | 1770.1 | 1690.7 | 1612.2 | 1529.4 | 1453.4 | 1406.9 |
| 7.5°  | 2323.3 | 2246.4 | 2133.2 | 2016.7 | 1914.5 | 1815.7 | 1722.8 | 1619.0 | 1518.4 | 1399.3 | 1336.0 |
| 10°   | 2465.1 | 2367.1 | 2218.5 | 2065.7 | 1948.3 | 1848.7 | 1758.3 | 1670.4 | 1569.1 | 1425.6 | 1346.1 |
| 12.5° | 2551.3 | 2446.6 | 2270.1 | 2091.0 | 1956.7 | 1845.3 | 1775.2 | 1736.4 | 1696.7 | 1553.9 | 1461.0 |
| 15°   | 2614.7 | 2501.4 | 2306.4 | 2108.7 | 1937.4 | 1800.5 | 1749.0 | 1787.8 | 1833.4 | 1742.2 | 1635.0 |
| 17.5° | 2680.5 | 2561.4 | 2353.7 | 2116.3 | 1885.0 | 1713.5 | 1691.6 | 1792.1 | 1897.6 | 1893.4 | 1787.0 |
| 20°   | 2743.0 | 2624.7 | 2395.0 | 2111.3 | 1800.5 | 1607.9 | 1627.4 | 1755.7 | 1878.2 | 1929.8 | 1872.3 |
| 22.5° | 2814.8 | 2689.8 | 2434.8 | 2091.8 | 1690.7 | 1509.1 | 1570.0 | 1698.3 | 1805.5 | 1866.4 | 1848.7 |
| 25°   | 2902.6 | 2771.7 | 2490.4 | 2063.1 | 1572.5 | 1427.2 | 1511.7 | 1631.6 | 1718.6 | 1760.8 | 1759.9 |
| 27.5° | 2997.2 | 2869.7 | 2564.8 | 2048.0 | 1477.0 | 1369.0 | 1445.8 | 1552.3 | 1630.0 | 1659.5 | 1659.5 |
| 30°   | 3114.6 | 2983.7 | 2652.6 | 2031.0 | 1414.6 | 1335.2 | 1377.4 | 1460.2 | 1536.2 | 1565.7 | 1565.7 |
| 32.5° | 3242.9 | 3110.4 | 2737.1 | 1990.5 | 1376.6 | 1309.8 | 1310.7 | 1363.0 | 1432.3 | 1467.8 | 1472.8 |
| 35°   | 3403.4 | 3262.4 | 2827.5 | 1901.9 | 1346.1 | 1280.3 | 1245.7 | 1271.0 | 1328.4 | 1370.6 | 1381.6 |
| 37.5° | 3632.3 | 3461.6 | 2938.1 | 1775.2 | 1301.4 | 1234.7 | 1177.2 | 1183.2 | 1227.1 | 1273.6 | 1290.4 |
| 40°   | 3948.1 | 3729.4 | 3068.1 | 1643.4 | 1237.2 | 1170.6 | 1102.1 | 1099.5 | 1131.7 | 1177.2 | 1195.9 |
| 42.5° | 4375.4 | 4083.2 | 3224.3 | 1517.6 | 1175.6 | 1092.9 | 1022.7 | 1018.4 | 1043.9 | 1083.5 | 1102.9 |
| 45°   | 4939.6 | 4535.9 | 3416.1 | 1409.5 | 1127.4 | 1016.8 | 947.5  | 945.9  | 967.0  | 1001.6 | 1021.8 |
| 47.5° | 5661.7 | 5165.1 | 3607.8 | 1336.0 | 1102.1 | 956.8  | 885.9  | 889.3  | 907.8  | 939.1  | 953.5  |
| 50°   | 6596.5 | 5985.1 | 3666.0 | 1298.9 | 1102.1 | 924.8  | 831.0  | 847.9  | 863.0  | 886.7  | 895.2  |
| 52.5° | 7717.2 | 6772.2 | 3473.5 | 1265.1 | 1108.8 | 929.0  | 784.5  | 820.8  | 831.9  | 852.1  | 855.5  |
| 55°   | 8756.0 | 7158.1 | 2986.2 | 1218.6 | 1110.6 | 955.2  | 744.9  | 798.9  | 819.2  | 826.8  | 825.9  |
| 57.5° | 9359.0 | 7025.6 | 2414.5 | 1140.1 | 1103.8 | 972.9  | 719.6  | 771.9  | 810.8  | 815.8  | 808.2  |
| 60°   | 9244.1 | 6560.2 | 1777.7 | 1080.1 | 1054.0 | 966.2  | 712.0  | 730.5  | 792.1  | 799.8  | 789.7  |
| 62.5° | 8359.1 | 5779.9 | 1233.8 | 1033.7 | 944.1  | 936.5  | 709.4  | 665.4  | 751.6  | 770.2  | 755.8  |
| 65°   | 6719.0 | 4550.3 | 871.6  | 890.1  | 827.6  | 872.4  | 695.9  | 597.9  | 702.6  | 728.0  | 706.0  |
| 67.5° | 4874.6 | 3079.1 | 629.1  | 721.2  | 749.9  | 768.5  | 665.4  | 548.9  | 646.9  | 680.7  | 652.0  |
| 70°   | 3128.1 | 1662.9 | 441.7  | 476.3  | 631.7  | 652.8  | 613.2  | 505.0  | 590.3  | 629.1  | 597.9  |
| 72.5° | 2223.6 | 982.2  | 317.5  | 333.5  | 507.6  | 543.9  | 539.7  | 456.0  | 524.5  | 571.7  | 534.5  |
| 75°   | 1534.5 | 541.3  | 214.5  | 238.1  | 368.2  | 441.7  | 416.4  | 391.9  | 444.2  | 492.3  | 456.0  |
| 77.5° | 961.9  | 242.4  | 128.3  | 165.5  | 241.5  | 347.1  | 285.5  | 303.2  | 346.2  | 391.0  | 353.0  |
| 80°   | 535.5  | 93.8   | 71.8   | 109.8  | 131.7  | 252.6  | 158.0  | 195.1  | 255.0  | 287.1  | 256.8  |
| 82.5° | 116.5  | 11.8   | 32.1   | 47.3   | 51.6   | 147.0  | 83.6   | 113.2  | 160.4  | 158.0  | 136.8  |
| 85°   | 0.0    | 0.0    | 5.9    | 6.8    | 3.4    | 63.3   | 30.4   | 37.2   | 52.4   | 49.0   | 37.2   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 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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**CANDELA DISTRIBUTION (continued):**

|       | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   | 185°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 |
| 2.5°  | 1520.2 | 1478.8 | 1448.3 | 1433.2 | 1420.4 | 1432.3 | 1439.1 | 1439.1 | 1467.8 | 1484.6 | 1491.4 |
| 5°    | 1377.4 | 1303.1 | 1246.5 | 1208.5 | 1185.7 | 1193.3 | 1201.7 | 1211.0 | 1247.3 | 1271.8 | 1287.9 |
| 7.5°  | 1278.6 | 1164.6 | 1078.4 | 1025.2 | 997.3  | 1001.6 | 1007.5 | 1015.2 | 1050.6 | 1075.0 | 1096.1 |
| 10°   | 1260.0 | 1096.1 | 974.6  | 904.5  | 870.7  | 864.8  | 861.4  | 858.8  | 880.0  | 898.5  | 915.4  |
| 12.5° | 1336.0 | 1099.5 | 929.8  | 844.5  | 803.1  | 785.4  | 765.2  | 749.1  | 752.5  | 764.2  | 785.4  |
| 15°   | 1472.0 | 1142.7 | 915.4  | 813.2  | 761.8  | 732.2  | 708.6  | 689.1  | 684.9  | 689.1  | 692.5  |
| 17.5° | 1627.4 | 1200.9 | 913.8  | 786.3  | 722.1  | 691.7  | 672.2  | 654.5  | 648.6  | 649.4  | 653.6  |
| 20°   | 1730.4 | 1247.3 | 908.7  | 755.8  | 684.1  | 657.0  | 640.1  | 622.4  | 616.5  | 618.2  | 619.0  |
| 22.5° | 1740.6 | 1271.8 | 901.1  | 722.1  | 646.1  | 623.3  | 606.4  | 590.3  | 589.5  | 589.5  | 594.5  |
| 25°   | 1685.6 | 1271.8 | 885.1  | 691.7  | 609.8  | 589.5  | 574.3  | 554.8  | 558.2  | 560.0  | 566.6  |
| 27.5° | 1600.3 | 1241.5 | 854.6  | 667.2  | 578.5  | 557.4  | 542.2  | 524.5  | 528.7  | 531.2  | 538.8  |
| 30°   | 1515.9 | 1202.6 | 818.4  | 639.3  | 548.9  | 524.5  | 513.4  | 498.3  | 500.0  | 503.4  | 511.8  |
| 32.5° | 1437.4 | 1161.2 | 775.3  | 616.5  | 519.4  | 494.9  | 486.5  | 469.6  | 472.1  | 475.5  | 484.7  |
| 35°   | 1359.7 | 1115.6 | 724.6  | 589.5  | 492.3  | 467.9  | 461.1  | 441.7  | 443.4  | 448.4  | 458.6  |
| 37.5° | 1276.0 | 1067.4 | 683.3  | 562.4  | 466.2  | 440.9  | 434.1  | 413.8  | 415.5  | 421.4  | 433.3  |
| 40°   | 1188.3 | 1020.2 | 642.7  | 533.7  | 438.3  | 413.0  | 407.0  | 385.1  | 386.8  | 393.5  | 406.2  |
| 42.5° | 1099.5 | 968.6  | 611.4  | 496.6  | 409.6  | 382.5  | 376.7  | 356.4  | 359.0  | 366.5  | 379.1  |
| 45°   | 1017.6 | 907.0  | 591.1  | 455.2  | 382.5  | 352.2  | 346.2  | 327.7  | 332.7  | 341.2  | 353.8  |
| 47.5° | 947.5  | 843.7  | 582.7  | 420.6  | 353.8  | 320.9  | 315.8  | 300.6  | 309.1  | 318.4  | 328.5  |
| 50°   | 887.5  | 782.9  | 571.7  | 385.1  | 326.9  | 293.9  | 288.8  | 278.7  | 289.7  | 299.0  | 308.2  |
| 52.5° | 844.5  | 713.6  | 548.1  | 353.0  | 303.2  | 271.1  | 269.4  | 264.3  | 274.5  | 282.9  | 291.4  |
| 55°   | 807.4  | 641.9  | 510.0  | 325.1  | 282.1  | 251.6  | 253.4  | 250.8  | 259.2  | 266.0  | 273.6  |
| 57.5° | 773.6  | 579.3  | 462.0  | 303.2  | 259.2  | 234.7  | 239.8  | 236.5  | 240.7  | 244.9  | 254.2  |
| 60°   | 733.1  | 516.0  | 404.6  | 278.7  | 232.3  | 217.9  | 223.8  | 214.5  | 213.7  | 215.4  | 217.9  |
| 62.5° | 673.1  | 430.7  | 344.6  | 248.3  | 208.6  | 199.3  | 201.8  | 184.1  | 170.6  | 170.6  | 173.1  |
| 65°   | 589.5  | 346.2  | 288.8  | 214.5  | 181.5  | 173.9  | 172.3  | 147.0  | 128.3  | 126.7  | 134.3  |
| 67.5° | 492.3  | 284.6  | 239.8  | 180.7  | 151.2  | 146.1  | 147.8  | 129.3  | 110.6  | 109.0  | 117.4  |
| 70°   | 401.2  | 235.6  | 193.4  | 144.4  | 116.5  | 121.6  | 129.3  | 110.6  | 92.9   | 90.4   | 98.0   |
| 72.5° | 326.0  | 187.5  | 151.2  | 110.6  | 86.1   | 100.4  | 109.8  | 90.4   | 73.5   | 71.8   | 78.5   |
| 75°   | 251.6  | 137.7  | 108.1  | 75.1   | 62.5   | 77.7   | 86.1   | 65.9   | 52.4   | 49.8   | 55.8   |
| 77.5° | 168.1  | 85.3   | 60.8   | 47.3   | 37.2   | 53.2   | 57.4   | 34.6   | 30.4   | 29.5   | 33.8   |
| 80°   | 102.2  | 39.7   | 26.1   | 22.8   | 12.7   | 19.5   | 22.8   | 14.3   | 16.1   | 16.9   | 20.3   |
| 82.5° | 51.6   | 11.0   | 4.2    | 0.8    | 0.0    | 0.0    | 6.8    | 3.4    | 6.8    | 8.4    | 12.7   |
| 85°   | 4.2    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.6    | 4.2    | 7.6    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 3.4    |
| 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°    | 285°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°    | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5 | 1697.5  | 1697.5  |
| 2.5°  | 1538.7 | 1574.2 | 1607.9 | 1662.0 | 1717.8 | 1772.6 | 1828.4 | 1882.4 | 1901.9 | 1916.2  | 1948.3  |
| 5°    | 1361.4 | 1428.0 | 1505.7 | 1613.0 | 1727.8 | 1846.1 | 1966.1 | 2075.8 | 2125.6 | 2159.5  | 2235.4  |
| 7.5°  | 1178.1 | 1265.1 | 1376.6 | 1537.9 | 1717.8 | 1906.1 | 2094.4 | 2267.5 | 2347.8 | 2412.7  | 2528.5  |
| 10°   | 996.5  | 1091.1 | 1232.2 | 1416.2 | 1659.5 | 1929.8 | 2189.8 | 2428.0 | 2531.9 | 2613.8  | 2770.9  |
| 12.5° | 836.9  | 925.6  | 1073.4 | 1276.9 | 1568.2 | 1911.1 | 2244.8 | 2531.0 | 2653.5 | 2745.6  | 2917.8  |
| 15°   | 724.6  | 787.1  | 918.0  | 1137.5 | 1460.2 | 1851.2 | 2248.1 | 2580.0 | 2714.3 | 2810.5  | 2960.0  |
| 17.5° | 662.2  | 683.3  | 768.5  | 995.7  | 1340.3 | 1772.6 | 2216.9 | 2596.9 | 2740.4 | 2830.0  | 2933.9  |
| 20°   | 628.3  | 631.7  | 655.4  | 811.6  | 1186.5 | 1699.1 | 2187.4 | 2613.8 | 2764.9 | 2840.1  | 2871.3  |
| 22.5° | 601.3  | 601.3  | 607.2  | 663.8  | 988.1  | 1611.3 | 2178.0 | 2643.4 | 2798.8 | 2845.2  | 2781.0  |
| 25°   | 576.8  | 576.8  | 578.5  | 593.7  | 782.9  | 1477.0 | 2172.1 | 2689.0 | 2845.2 | 2857.8  | 2681.3  |
| 27.5° | 551.4  | 552.3  | 552.3  | 560.8  | 630.9  | 1294.7 | 2146.8 | 2748.0 | 2901.0 | 2874.7  | 2585.9  |
| 30°   | 526.1  | 527.8  | 527.8  | 533.7  | 558.2  | 1081.0 | 2096.9 | 2819.0 | 2973.5 | 2896.6  | 2491.4  |
| 32.5° | 500.8  | 502.5  | 502.5  | 507.6  | 525.3  | 863.0  | 2034.4 | 2884.0 | 3047.0 | 2906.0  | 2403.5  |
| 35°   | 474.6  | 477.1  | 475.5  | 482.3  | 500.8  | 686.5  | 1955.1 | 2949.0 | 3126.4 | 2935.5  | 2360.5  |
| 37.5° | 448.4  | 450.1  | 449.3  | 456.0  | 477.1  | 592.9  | 1863.0 | 2998.0 | 3234.5 | 3001.4  | 2411.9  |
| 40°   | 422.3  | 421.4  | 421.4  | 429.1  | 451.8  | 565.8  | 1747.3 | 3075.7 | 3389.9 | 3117.1  | 2636.6  |
| 42.5° | 395.2  | 395.2  | 393.5  | 402.0  | 429.9  | 545.6  | 1636.7 | 3215.1 | 3616.2 | 3301.2  | 3035.2  |
| 45°   | 370.7  | 369.9  | 366.5  | 374.1  | 408.8  | 510.0  | 1597.9 | 3475.2 | 3950.7 | 3599.3  | 3517.4  |
| 47.5° | 347.1  | 346.2  | 337.8  | 344.6  | 383.5  | 478.0  | 1743.1 | 3900.8 | 4414.3 | 4037.7  | 3969.2  |
| 50°   | 326.0  | 326.9  | 310.8  | 316.7  | 358.0  | 453.5  | 2058.1 | 4453.1 | 5030.0 | 4628.0  | 4397.4  |
| 52.5° | 306.6  | 306.6  | 285.5  | 288.8  | 326.9  | 431.5  | 2357.9 | 5051.9 | 5842.4 | 5451.4  | 4896.5  |
| 55°   | 287.1  | 285.5  | 261.8  | 263.5  | 295.6  | 400.3  | 2402.6 | 5636.3 | 6950.4 | 6690.3  | 5578.9  |
| 57.5° | 265.2  | 261.8  | 239.8  | 239.8  | 266.9  | 377.5  | 2082.6 | 6085.6 | 8325.3 | 8511.1  | 6562.8  |
| 60°   | 238.1  | 235.6  | 221.3  | 217.0  | 244.1  | 397.8  | 1469.4 | 6137.9 | 9212.0 | 10932.2 | 8446.8  |
| 62.5° | 203.6  | 206.9  | 199.3  | 193.4  | 222.1  | 413.0  | 870.7  | 5716.5 | 8997.4 | 11702.4 | 10703.5 |
| 65°   | 160.4  | 173.9  | 172.3  | 168.1  | 244.1  | 348.0  | 514.3  | 4907.5 | 8339.6 | 11080.9 | 10243.1 |
| 67.5° | 136.8  | 146.1  | 143.6  | 143.6  | 255.8  | 264.3  | 323.5  | 3834.1 | 7434.3 | 10343.7 | 9149.5  |
| 70°   | 116.5  | 125.9  | 116.5  | 116.5  | 193.4  | 160.4  | 223.8  | 2677.1 | 6457.2 | 9527.9  | 8431.6  |
| 72.5° | 96.2   | 105.6  | 95.4   | 88.7   | 154.6  | 119.9  | 163.8  | 1673.0 | 5529.9 | 8678.3  | 7940.2  |
| 75°   | 73.5   | 84.5   | 76.9   | 68.4   | 102.2  | 89.5   | 124.1  | 972.0  | 4581.5 | 7425.0  | 7240.1  |
| 77.5° | 46.4   | 60.8   | 57.4   | 48.2   | 75.1   | 65.0   | 89.5   | 578.5  | 3535.1 | 5801.8  | 6227.5  |
| 80°   | 28.7   | 31.3   | 32.1   | 30.4   | 43.0   | 43.9   | 60.8   | 329.3  | 2419.5 | 4043.5  | 4865.3  |
| 82.5° | 18.6   | 18.6   | 14.3   | 16.1   | 21.1   | 25.3   | 34.6   | 124.1  | 1422.2 | 2461.7  | 3386.5  |
| 85°   | 13.5   | 11.8   | 7.6    | 7.6    | 10.1   | 12.7   | 13.5   | 38.0   | 576.8  | 972.0   | 1324.2  |
| 87.5° | 6.8    | 5.9    | 2.6    | 3.4    | 5.0    | 4.2    | 3.4    | 1.6    | 145.2  | 310.8   | 217.9   |
| 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: P964223

CATALOG NUMBER: NAV-SB3B-835-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°    | 305°    | 315°    | 325°    | 335°    | 345°    | 355°    | 360°   |
|-------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0°    | 1697.5  | 1697.5  | 1697.5  | 1697.5  | 1697.5  | 1697.5  | 1697.5  | 1697.5 |
| 2.5°  | 1965.2  | 1991.4  | 1993.0  | 1993.0  | 1970.3  | 1969.4  | 1923.0  | 1917.9 |
| 5°    | 2313.9  | 2330.8  | 2335.1  | 2326.6  | 2281.0  | 2247.2  | 2156.9  | 2137.4 |
| 7.5°  | 2633.2  | 2666.9  | 2666.9  | 2646.8  | 2572.4  | 2503.2  | 2372.3  | 2323.3 |
| 10°   | 2888.2  | 2927.1  | 2918.7  | 2877.3  | 2783.5  | 2688.1  | 2529.3  | 2465.1 |
| 12.5° | 3012.4  | 3052.0  | 3030.1  | 2982.9  | 2891.6  | 2791.2  | 2623.9  | 2551.3 |
| 15°   | 3009.8  | 2998.8  | 2976.1  | 2970.1  | 2926.3  | 2850.2  | 2694.0  | 2614.7 |
| 17.5° | 2902.6  | 2809.7  | 2792.0  | 2851.1  | 2906.8  | 2888.2  | 2754.8  | 2680.5 |
| 20°   | 2732.9  | 2570.7  | 2554.7  | 2667.9  | 2826.6  | 2907.7  | 2811.4  | 2743.0 |
| 22.5° | 2553.8  | 2379.0  | 2341.8  | 2466.9  | 2705.8  | 2913.6  | 2883.2  | 2814.8 |
| 25°   | 2384.0  | 2208.4  | 2171.3  | 2287.8  | 2571.5  | 2903.4  | 2960.9  | 2902.6 |
| 27.5° | 2242.2  | 2072.4  | 2037.8  | 2154.3  | 2442.4  | 2874.7  | 3038.6  | 2997.2 |
| 30°   | 2132.4  | 1975.3  | 1950.0  | 2062.3  | 2330.8  | 2839.2  | 3137.4  | 3114.6 |
| 32.5° | 2068.2  | 1953.3  | 1962.7  | 2054.7  | 2270.9  | 2800.4  | 3231.9  | 3242.9 |
| 35°   | 2131.6  | 2136.6  | 2217.7  | 2255.7  | 2326.6  | 2794.5  | 3360.4  | 3403.4 |
| 37.5° | 2446.6  | 2622.3  | 2790.3  | 2759.0  | 2599.4  | 2862.9  | 3552.0  | 3632.3 |
| 40°   | 2982.9  | 3343.4  | 3616.2  | 3497.1  | 3095.2  | 3072.3  | 3828.2  | 3948.1 |
| 42.5° | 3638.1  | 4249.6  | 4698.9  | 4379.6  | 3734.5  | 3438.9  | 4222.6  | 4375.4 |
| 45°   | 4329.8  | 5366.9  | 6074.6  | 5410.8  | 4416.0  | 3952.3  | 4819.7  | 4939.6 |
| 47.5° | 5058.7  | 6724.9  | 7640.4  | 6554.3  | 5047.7  | 4536.8  | 5633.8  | 5661.7 |
| 50°   | 5855.9  | 8213.7  | 9236.5  | 7696.9  | 5657.4  | 5206.5  | 6628.6  | 6596.5 |
| 52.5° | 6615.1  | 9744.9  | 10798.9 | 8844.6  | 6192.8  | 6037.5  | 7783.0  | 7717.2 |
| 55°   | 7339.7  | 11275.1 | 12370.5 | 9947.5  | 6697.9  | 7135.3  | 9154.6  | 8756.0 |
| 57.5° | 8180.0  | 12650.9 | 13990.2 | 11055.5 | 7403.9  | 8560.9  | 10688.2 | 9359.0 |
| 60°   | 9422.3  | 14214.1 | 15822.0 | 12574.0 | 8746.6  | 10059.0 | 11238.0 | 9244.1 |
| 62.5° | 11008.3 | 15651.4 | 17153.8 | 14062.1 | 10095.3 | 10341.1 | 10428.1 | 8359.1 |
| 65°   | 11316.5 | 16015.4 | 17229.0 | 14459.8 | 9921.4  | 8771.9  | 8513.5  | 6719.0 |
| 67.5° | 10499.1 | 15357.6 | 16178.4 | 13719.2 | 8776.3  | 6778.9  | 6388.7  | 4874.6 |
| 70°   | 9581.9  | 14103.4 | 14347.5 | 12460.0 | 7718.9  | 4986.0  | 4314.6  | 3128.1 |
| 72.5° | 8642.0  | 12430.5 | 11925.5 | 10820.8 | 6784.0  | 3630.6  | 3112.0  | 2223.6 |
| 75°   | 7525.4  | 10230.5 | 9393.6  | 8990.7  | 5616.9  | 2849.4  | 2251.5  | 1534.5 |
| 77.5° | 6026.5  | 7201.2  | 6977.4  | 6969.0  | 4220.8  | 2081.8  | 1502.4  | 961.9  |
| 80°   | 4251.3  | 4673.6  | 4559.5  | 5248.7  | 2831.7  | 1510.0  | 904.5   | 535.5  |
| 82.5° | 2058.1  | 2584.2  | 2652.6  | 3125.5  | 1377.4  | 888.5   | 208.6   | 116.5  |
| 85°   | 805.6   | 1246.5  | 1051.4  | 1186.5  | 386.8   | 247.4   | 5.0     | 0.0    |
| 87.5° | 90.4    | 144.4   | 132.6   | 104.8   | 47.3    | 10.1    | 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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