

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: P959976

Luminaire Tested: **NAV-SB1B-830-U-SLR-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P959976  
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-SB1B-830-U-SLR-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(1) 80 CRI, 3000K, 450mA LIGHTSQUARE WITH 26 LEDS AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

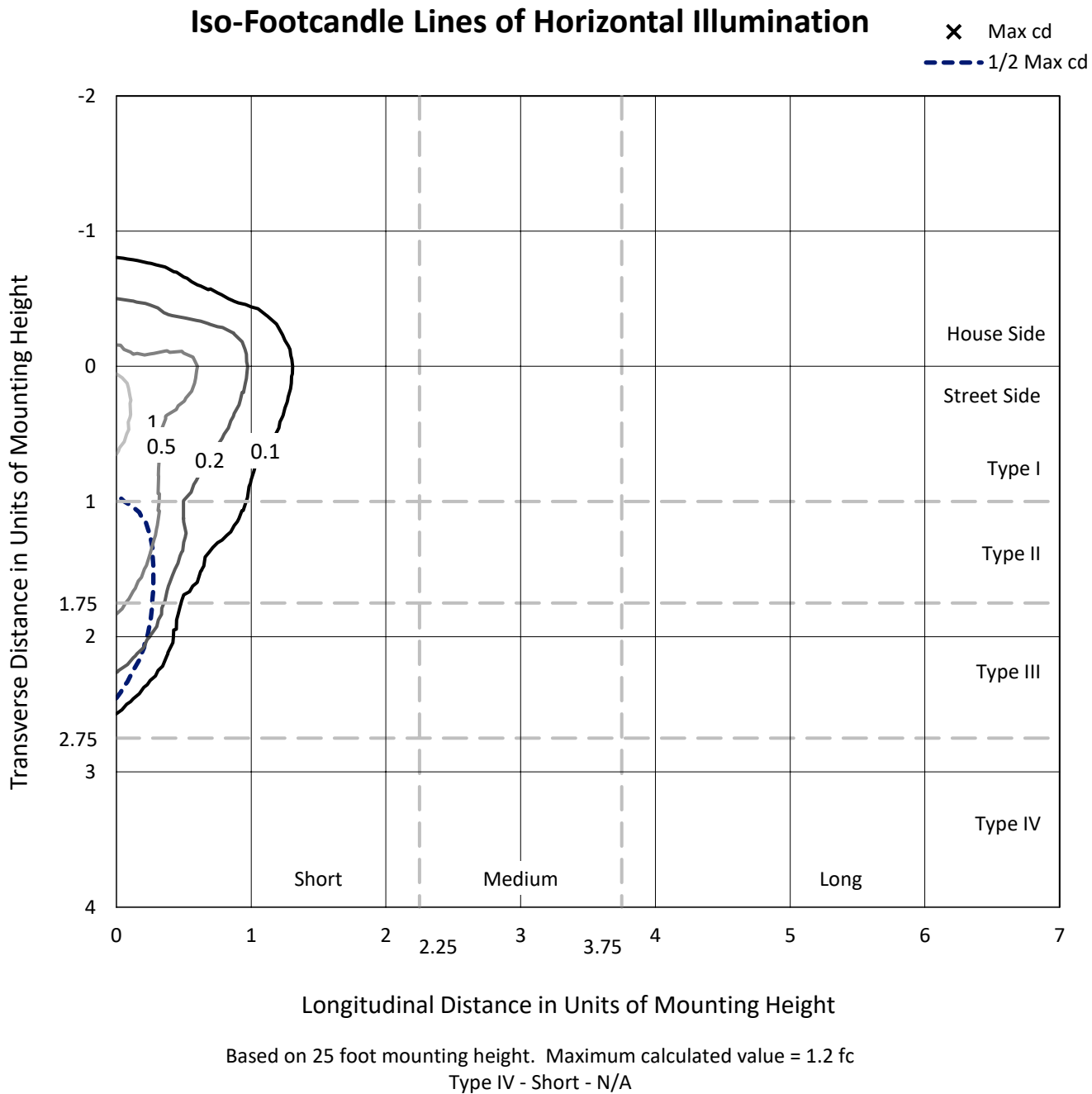
### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3959.6 lumens  
Efficiency: N/A  
Efficacy: 99.5 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

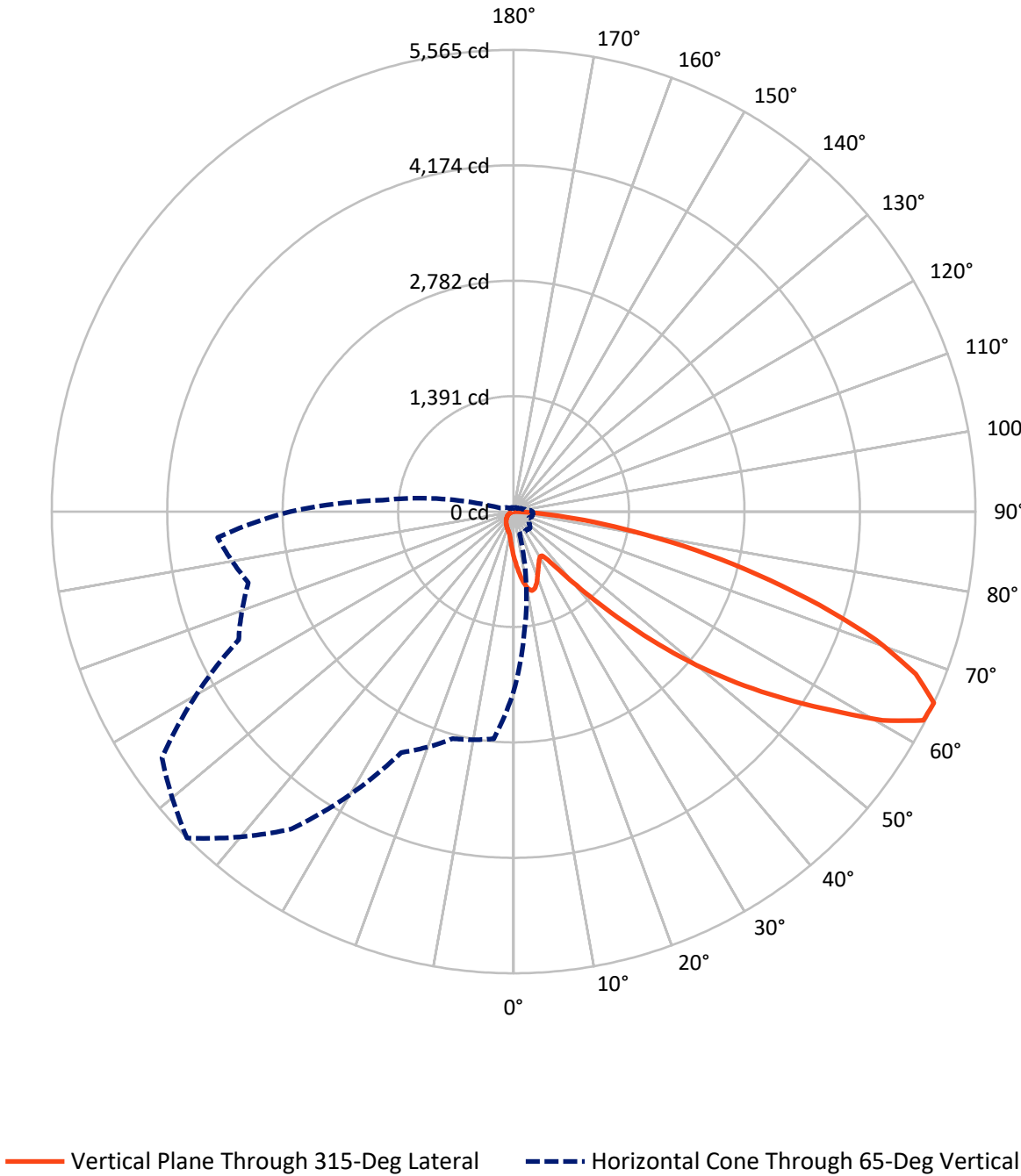


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Luminous Intensity Polar Plot



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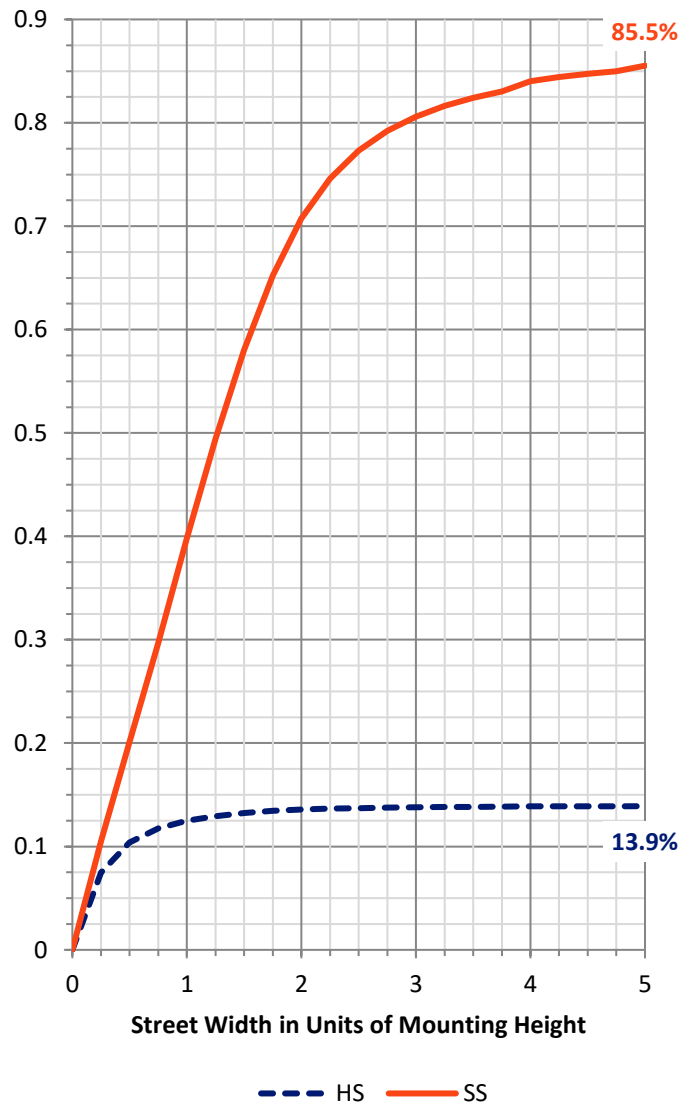
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 554.5    | 0.0    | 554.5  |
|                    | % Fixture | 14.0     | 0.0    | 14.0   |
| <b>Street Side</b> | Lumens    | 3405.1   | 0.0    | 3405.1 |
|                    | % Fixture | 86.0     | 0.0    | 86.0   |
| <b>Total</b>       | Lumens    | 3959.6   | 0.0    | 3959.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 54.0   | 1.4       |
| 10°-20°   | 161.8  | 4.1       |
| 20°-30°   | 238.4  | 6.0       |
| 30°-40°   | 306.3  | 7.7       |
| 40°-50°   | 495.3  | 12.5      |
| 50°-60°   | 868.6  | 21.9      |
| 60°-70°   | 1086.8 | 27.4      |
| 70°-80°   | 635.1  | 16.0      |
| 80°-90°   | 113.3  | 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°    | 3959.6 | 100.0     |
| 0°-180°   | 3959.6 | 100.0     |

**Coefficient of Utilization**



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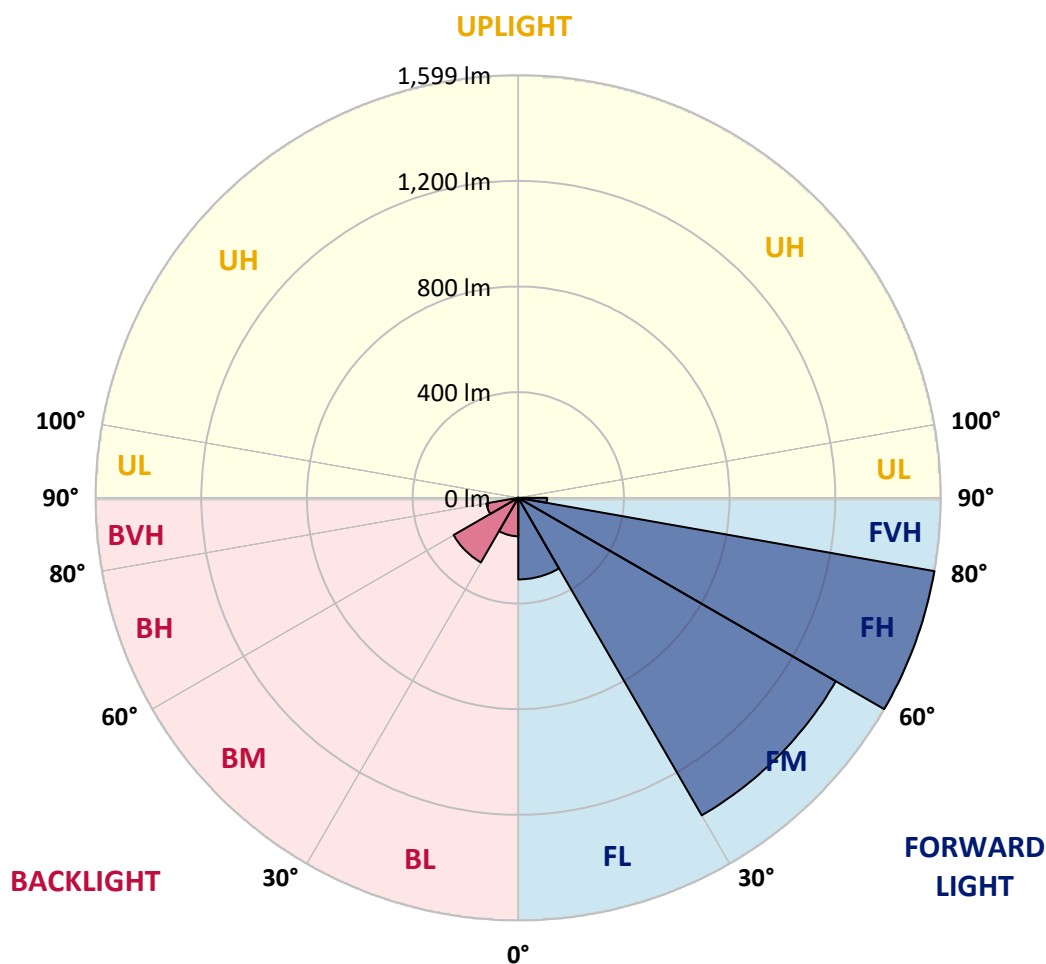
CATALOG NUMBER: NAV-SB1B-830-U-SLR-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 308.8  | 7.8       |                         |      |         |
| FM   | (30°-60°)   | 1387.8 | 35.0      |                         |      |         |
| FH   | (60°-80°)   | 1599.5 | 40.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 109.0  | 2.8       |                         |      | G2/225  |
| BL   | (0°-30°)    | 145.3  | 3.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 282.4  | 7.1       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 122.4  | 3.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.4    | 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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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°   | 90°   |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 548.3  | 548.3  | 548.3  | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 |
| 2.5°  | 619.5  | 608.8  | 602.6  | 587.0 | 571.4 | 558.9 | 542.0 | 530.8 | 517.4 | 504.6 | 493.1 |
| 5°    | 690.4  | 673.2  | 652.5  | 624.1 | 598.2 | 571.7 | 546.1 | 520.7 | 493.9 | 469.4 | 454.5 |
| 7.5°  | 750.4  | 725.6  | 689.0  | 651.4 | 618.4 | 586.5 | 556.5 | 523.0 | 490.5 | 452.0 | 431.5 |
| 10°   | 796.2  | 764.5  | 716.6  | 667.2 | 629.2 | 597.1 | 568.0 | 539.6 | 506.9 | 460.4 | 434.8 |
| 12.5° | 824.0  | 790.3  | 733.2  | 675.4 | 632.0 | 596.0 | 573.4 | 560.8 | 548.0 | 501.9 | 471.9 |
| 15°   | 844.5  | 807.9  | 745.0  | 681.1 | 625.8 | 581.6 | 564.9 | 577.5 | 592.1 | 562.7 | 528.1 |
| 17.5° | 865.8  | 827.3  | 760.2  | 683.6 | 608.8 | 553.5 | 546.3 | 578.8 | 612.9 | 611.5 | 577.2 |
| 20°   | 886.0  | 847.8  | 773.6  | 681.9 | 581.6 | 519.4 | 525.6 | 567.1 | 606.7 | 623.3 | 604.8 |
| 22.5° | 909.2  | 868.8  | 786.4  | 675.7 | 546.1 | 487.5 | 507.1 | 548.6 | 583.2 | 602.8 | 597.1 |
| 25°   | 937.6  | 895.2  | 804.4  | 666.4 | 507.9 | 460.9 | 488.3 | 527.0 | 555.1 | 568.8 | 568.5 |
| 27.5° | 968.1  | 926.9  | 828.4  | 661.4 | 477.0 | 442.2 | 467.0 | 501.3 | 526.4 | 536.0 | 536.0 |
| 30°   | 1006.0 | 963.7  | 856.8  | 656.0 | 456.9 | 431.2 | 444.8 | 471.6 | 496.2 | 505.7 | 505.7 |
| 32.5° | 1047.4 | 1004.6 | 884.1  | 642.9 | 444.6 | 423.1 | 423.3 | 440.2 | 462.6 | 474.1 | 475.7 |
| 35°   | 1099.3 | 1053.7 | 913.3  | 614.3 | 434.8 | 413.5 | 402.3 | 410.5 | 429.1 | 442.7 | 446.3 |
| 37.5° | 1173.2 | 1118.1 | 948.9  | 573.4 | 420.4 | 398.8 | 380.3 | 382.1 | 396.4 | 411.3 | 416.8 |
| 40°   | 1275.2 | 1204.6 | 991.0  | 530.8 | 399.6 | 378.0 | 356.0 | 355.2 | 365.5 | 380.3 | 386.2 |
| 42.5° | 1413.3 | 1318.9 | 1041.4 | 490.2 | 379.7 | 353.0 | 330.4 | 328.9 | 337.1 | 349.9 | 356.3 |
| 45°   | 1595.4 | 1465.0 | 1103.4 | 455.3 | 364.2 | 328.4 | 306.1 | 305.6 | 312.3 | 323.5 | 330.0 |
| 47.5° | 1828.7 | 1668.3 | 1165.3 | 431.5 | 356.0 | 309.0 | 286.2 | 287.2 | 293.3 | 303.3 | 307.9 |
| 50°   | 2130.7 | 1933.2 | 1184.1 | 419.5 | 356.0 | 298.7 | 268.4 | 273.9 | 278.8 | 286.4 | 289.2 |
| 52.5° | 2492.6 | 2187.4 | 1122.0 | 408.6 | 358.1 | 300.0 | 253.4 | 265.2 | 268.7 | 275.2 | 276.3 |
| 55°   | 2828.1 | 2312.0 | 964.5  | 393.6 | 358.6 | 308.5 | 240.6 | 258.0 | 264.6 | 267.0 | 266.8 |
| 57.5° | 3022.8 | 2269.2 | 779.8  | 368.3 | 356.5 | 314.3 | 232.4 | 249.3 | 261.9 | 263.5 | 261.1 |
| 60°   | 2985.8 | 2118.9 | 574.2  | 348.9 | 340.4 | 312.0 | 229.9 | 236.0 | 255.8 | 258.3 | 255.0 |
| 62.5° | 2700.0 | 1866.8 | 398.5  | 333.8 | 304.9 | 302.5 | 229.1 | 214.9 | 242.7 | 248.8 | 244.2 |
| 65°   | 2170.2 | 1469.7 | 281.5  | 287.5 | 267.3 | 281.8 | 224.8 | 193.1 | 226.9 | 235.1 | 228.1 |
| 67.5° | 1574.4 | 994.6  | 203.3  | 233.0 | 242.2 | 248.3 | 214.9 | 177.3 | 208.9 | 219.9 | 210.5 |
| 70°   | 1010.3 | 537.1  | 142.7  | 153.9 | 204.1 | 210.8 | 198.0 | 163.1 | 190.6 | 203.3 | 193.1 |
| 72.5° | 718.2  | 317.2  | 102.6  | 107.7 | 163.9 | 175.7 | 174.4 | 147.3 | 169.4 | 184.7 | 172.7 |
| 75°   | 495.6  | 174.9  | 69.3   | 76.9  | 118.9 | 142.7 | 134.5 | 126.6 | 143.5 | 159.0 | 147.3 |
| 77.5° | 310.7  | 78.3   | 41.5   | 53.5  | 78.0  | 112.1 | 92.1  | 97.9  | 111.8 | 126.3 | 114.0 |
| 80°   | 172.9  | 30.2   | 23.2   | 35.5  | 42.5  | 81.6  | 51.0  | 63.0  | 82.4  | 92.8  | 82.9  |
| 82.5° | 37.6   | 3.8    | 10.4   | 15.3  | 16.6  | 47.5  | 27.0  | 36.6  | 51.9  | 51.0  | 44.2  |
| 85°   | 0.0    | 0.0    | 1.9    | 2.2   | 1.1   | 20.5  | 9.8   | 12.0  | 16.9  | 15.8  | 12.0  |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 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°    | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 |
| 2.5°  | 491.0 | 477.6 | 467.8 | 462.9 | 458.8 | 462.6 | 464.8 | 464.8 | 474.1 | 479.5 | 481.7 |
| 5°    | 444.8 | 420.9 | 402.6 | 390.3 | 382.9 | 385.4 | 388.2 | 391.1 | 402.9 | 410.8 | 415.9 |
| 7.5°  | 413.0 | 376.2 | 348.3 | 331.2 | 322.2 | 323.5 | 325.4 | 327.9 | 339.4 | 347.3 | 354.0 |
| 10°   | 407.0 | 354.0 | 314.8 | 292.1 | 281.3 | 279.3 | 278.2 | 277.4 | 284.2 | 290.3 | 295.7 |
| 12.5° | 431.5 | 355.2 | 300.3 | 272.8 | 259.4 | 253.7 | 247.1 | 241.9 | 243.0 | 246.8 | 253.7 |
| 15°   | 475.4 | 369.1 | 295.7 | 262.7 | 246.0 | 236.5 | 228.9 | 222.6 | 221.2 | 222.6 | 223.7 |
| 17.5° | 525.6 | 387.9 | 295.1 | 254.0 | 233.2 | 223.4 | 217.1 | 211.4 | 209.5 | 209.7 | 211.2 |
| 20°   | 558.9 | 402.9 | 293.5 | 244.2 | 221.0 | 212.2 | 206.7 | 201.0 | 199.2 | 199.7 | 200.0 |
| 22.5° | 562.2 | 410.8 | 291.1 | 233.2 | 208.7 | 201.3 | 195.9 | 190.6 | 190.4 | 190.4 | 192.0 |
| 25°   | 544.5 | 410.8 | 285.9 | 223.4 | 196.9 | 190.4 | 185.5 | 179.2 | 180.3 | 180.8 | 183.1 |
| 27.5° | 516.9 | 401.0 | 276.0 | 215.5 | 186.9 | 180.0 | 175.1 | 169.4 | 170.8 | 171.6 | 174.0 |
| 30°   | 489.6 | 388.5 | 264.3 | 206.5 | 177.3 | 169.4 | 165.8 | 160.9 | 161.4 | 162.6 | 165.3 |
| 32.5° | 464.2 | 375.0 | 250.4 | 199.2 | 167.8 | 159.8 | 157.1 | 151.7 | 152.5 | 153.5 | 156.6 |
| 35°   | 439.2 | 360.3 | 234.0 | 190.4 | 159.0 | 151.1 | 148.9 | 142.7 | 143.2 | 144.8 | 148.1 |
| 37.5° | 412.2 | 344.8 | 220.7 | 181.6 | 150.6 | 142.4 | 140.2 | 133.7 | 134.2 | 136.1 | 139.9 |
| 40°   | 383.8 | 329.5 | 207.6 | 172.4 | 141.6 | 133.4 | 131.5 | 124.4 | 124.9 | 127.1 | 131.2 |
| 42.5° | 355.2 | 312.8 | 197.5 | 160.4 | 132.3 | 123.6 | 121.7 | 115.1 | 115.9 | 118.4 | 122.5 |
| 45°   | 328.7 | 292.9 | 191.0 | 147.0 | 123.6 | 113.8 | 111.8 | 105.9 | 107.5 | 110.2 | 114.3 |
| 47.5° | 306.1 | 272.5 | 188.2 | 135.8 | 114.3 | 103.6 | 102.0 | 97.1  | 99.8  | 102.8 | 106.1 |
| 50°   | 286.7 | 252.9 | 184.7 | 124.4 | 105.6 | 94.9  | 93.3  | 90.0  | 93.6  | 96.6  | 99.5  |
| 52.5° | 272.8 | 230.5 | 177.0 | 114.0 | 97.9  | 87.5  | 87.0  | 85.4  | 88.7  | 91.4  | 94.1  |
| 55°   | 260.8 | 207.4 | 164.7 | 105.1 | 91.1  | 81.3  | 81.8  | 81.0  | 83.7  | 85.9  | 88.4  |
| 57.5° | 249.9 | 187.2 | 149.2 | 97.9  | 83.7  | 75.8  | 77.5  | 76.4  | 77.7  | 79.1  | 82.1  |
| 60°   | 236.8 | 166.7 | 130.7 | 90.0  | 75.0  | 70.4  | 72.3  | 69.3  | 69.0  | 69.6  | 70.4  |
| 62.5° | 217.4 | 139.1 | 111.3 | 80.2  | 67.3  | 64.4  | 65.2  | 59.4  | 55.1  | 55.1  | 56.0  |
| 65°   | 190.4 | 111.8 | 93.3  | 69.3  | 58.6  | 56.2  | 55.7  | 47.5  | 41.5  | 40.9  | 43.4  |
| 67.5° | 159.0 | 91.9  | 77.5  | 58.3  | 48.8  | 47.2  | 47.8  | 41.7  | 35.8  | 35.2  | 37.9  |
| 70°   | 129.6 | 76.1  | 62.4  | 46.6  | 37.6  | 39.3  | 41.7  | 35.8  | 30.0  | 29.2  | 31.7  |
| 72.5° | 105.3 | 60.6  | 48.8  | 35.8  | 27.8  | 32.5  | 35.5  | 29.2  | 23.8  | 23.2  | 25.3  |
| 75°   | 81.3  | 44.5  | 35.0  | 24.3  | 20.2  | 25.1  | 27.8  | 21.3  | 16.9  | 16.1  | 18.0  |
| 77.5° | 54.3  | 27.6  | 19.7  | 15.3  | 12.0  | 17.2  | 18.6  | 11.2  | 9.8   | 9.5   | 10.9  |
| 80°   | 33.0  | 12.8  | 8.4   | 7.4   | 4.1   | 6.3   | 7.4   | 4.6   | 5.2   | 5.4   | 6.6   |
| 82.5° | 16.6  | 3.6   | 1.3   | 0.3   | 0.0   | 0.0   | 2.2   | 1.1   | 2.2   | 2.8   | 4.1   |
| 85°   | 1.3   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.5   | 1.3   | 2.5   |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 1.1   |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 195°  | 205°  | 215°  | 225°  | 235°  | 245°  | 255°  | 265°   | 270°   | 275°   | 285°   |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3 | 548.3  | 548.3  | 548.3  | 548.3  |
| 2.5°  | 497.0 | 508.4 | 519.4 | 536.8 | 554.8 | 572.6 | 590.6 | 608.0  | 614.3  | 618.9  | 629.2  |
| 5°    | 439.7 | 461.2 | 486.4 | 521.0 | 558.1 | 596.2 | 635.0 | 670.5  | 686.5  | 697.5  | 722.0  |
| 7.5°  | 380.5 | 408.6 | 444.6 | 496.7 | 554.8 | 615.6 | 676.5 | 732.4  | 758.3  | 779.3  | 816.7  |
| 10°   | 321.8 | 352.4 | 398.0 | 457.5 | 536.0 | 623.3 | 707.4 | 784.2  | 817.7  | 844.2  | 894.9  |
| 12.5° | 270.3 | 299.0 | 346.7 | 412.5 | 506.6 | 617.3 | 725.0 | 817.5  | 857.1  | 886.8  | 942.4  |
| 15°   | 234.0 | 254.2 | 296.5 | 367.5 | 471.6 | 597.9 | 726.1 | 833.3  | 876.7  | 907.7  | 956.1  |
| 17.5° | 213.8 | 220.7 | 248.3 | 321.6 | 432.9 | 572.6 | 716.1 | 838.8  | 885.2  | 914.1  | 947.6  |
| 20°   | 203.0 | 204.1 | 211.7 | 262.1 | 383.2 | 548.8 | 706.5 | 844.2  | 893.1  | 917.4  | 927.4  |
| 22.5° | 194.2 | 194.2 | 196.1 | 214.4 | 319.2 | 520.5 | 703.5 | 853.8  | 903.9  | 919.0  | 898.2  |
| 25°   | 186.3 | 186.3 | 186.9 | 191.8 | 252.9 | 477.0 | 701.6 | 868.5  | 919.0  | 923.1  | 866.0  |
| 27.5° | 178.1 | 178.4 | 178.4 | 181.1 | 203.8 | 418.2 | 693.4 | 887.6  | 937.0  | 928.5  | 835.3  |
| 30°   | 169.9 | 170.5 | 170.5 | 172.4 | 180.3 | 349.1 | 677.3 | 910.5  | 960.4  | 935.6  | 804.7  |
| 32.5° | 161.7 | 162.3 | 162.3 | 163.9 | 169.6 | 278.8 | 657.1 | 931.5  | 984.2  | 938.6  | 776.3  |
| 35°   | 153.3 | 154.2 | 153.5 | 155.8 | 161.7 | 221.8 | 631.5 | 952.5  | 1009.8 | 948.1  | 762.4  |
| 37.5° | 144.8 | 145.3 | 145.1 | 147.3 | 154.2 | 191.5 | 601.8 | 968.3  | 1044.7 | 969.4  | 779.0  |
| 40°   | 136.4 | 136.1 | 136.1 | 138.6 | 146.0 | 182.8 | 564.4 | 993.4  | 1094.9 | 1006.9 | 851.6  |
| 42.5° | 127.6 | 127.6 | 127.1 | 129.9 | 138.9 | 176.2 | 528.6 | 1038.4 | 1168.0 | 1066.3 | 980.3  |
| 45°   | 119.7 | 119.5 | 118.4 | 120.8 | 132.0 | 164.7 | 516.1 | 1122.5 | 1276.0 | 1162.6 | 1136.1 |
| 47.5° | 112.1 | 111.8 | 109.1 | 111.3 | 123.8 | 154.4 | 563.0 | 1259.9 | 1425.8 | 1304.1 | 1282.1 |
| 50°   | 105.3 | 105.6 | 100.3 | 102.3 | 115.6 | 146.5 | 664.7 | 1438.4 | 1624.6 | 1494.8 | 1420.3 |
| 52.5° | 99.0  | 99.0  | 92.1  | 93.3  | 105.6 | 139.4 | 761.6 | 1631.7 | 1887.0 | 1760.7 | 1581.6 |
| 55°   | 92.8  | 92.1  | 84.6  | 85.1  | 95.4  | 129.3 | 776.0 | 1820.5 | 2245.0 | 2160.9 | 1802.0 |
| 57.5° | 85.7  | 84.6  | 77.5  | 77.5  | 86.2  | 122.0 | 672.7 | 1965.6 | 2689.0 | 2749.0 | 2119.7 |
| 60°   | 76.9  | 76.1  | 71.4  | 70.1  | 78.8  | 128.4 | 474.6 | 1982.6 | 2975.4 | 3531.0 | 2728.2 |
| 62.5° | 65.7  | 66.8  | 64.4  | 62.4  | 71.8  | 133.4 | 281.3 | 1846.4 | 2906.1 | 3779.8 | 3457.1 |
| 65°   | 51.9  | 56.2  | 55.7  | 54.3  | 78.8  | 112.3 | 166.2 | 1585.1 | 2693.6 | 3579.1 | 3308.5 |
| 67.5° | 44.2  | 47.2  | 46.3  | 46.3  | 82.6  | 85.4  | 104.4 | 1238.4 | 2401.3 | 3340.9 | 2955.2 |
| 70°   | 37.6  | 40.7  | 37.6  | 37.6  | 62.4  | 51.9  | 72.3  | 864.7  | 2085.7 | 3077.5 | 2723.3 |
| 72.5° | 31.1  | 34.1  | 30.9  | 28.6  | 49.9  | 38.7  | 52.9  | 540.4  | 1786.2 | 2803.1 | 2564.7 |
| 75°   | 23.8  | 27.3  | 24.8  | 22.1  | 33.0  | 28.9  | 40.1  | 314.0  | 1479.8 | 2398.2 | 2338.4 |
| 77.5° | 15.0  | 19.7  | 18.6  | 15.6  | 24.3  | 21.0  | 28.9  | 186.9  | 1141.8 | 1873.9 | 2011.5 |
| 80°   | 9.2   | 10.0  | 10.4  | 9.8   | 13.9  | 14.1  | 19.7  | 106.4  | 781.5  | 1306.1 | 1571.4 |
| 82.5° | 6.0   | 6.0   | 4.6   | 5.2   | 6.9   | 8.2   | 11.2  | 40.1   | 459.3  | 795.1  | 1093.8 |
| 85°   | 4.4   | 3.8   | 2.5   | 2.5   | 3.3   | 4.1   | 4.4   | 12.3   | 186.3  | 314.0  | 427.7  |
| 87.5° | 2.2   | 1.9   | 0.8   | 1.1   | 1.6   | 1.3   | 1.1   | 0.5    | 46.9   | 100.3  | 70.4   |
| 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: P959976

CATALOG NUMBER: NAV-SB1B-830-U-SLR-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 548.3  | 548.3  | 548.3  | 548.3  | 548.3  | 548.3  | 548.3  | 548.3  |
| 2.5°  | 634.8  | 643.2  | 643.7  | 643.7  | 636.4  | 636.1  | 621.2  | 619.5  |
| 5°    | 747.4  | 752.9  | 754.2  | 751.5  | 736.8  | 725.8  | 696.7  | 690.4  |
| 7.5°  | 850.5  | 861.4  | 861.4  | 854.8  | 830.9  | 808.5  | 766.2  | 750.4  |
| 10°   | 932.9  | 945.5  | 942.7  | 929.4  | 899.0  | 868.3  | 816.9  | 796.2  |
| 12.5° | 973.0  | 985.8  | 978.7  | 963.4  | 934.0  | 901.5  | 847.5  | 824.0  |
| 15°   | 972.2  | 968.6  | 961.2  | 959.3  | 945.2  | 920.7  | 870.1  | 844.5  |
| 17.5° | 937.6  | 907.5  | 901.8  | 920.9  | 938.9  | 932.9  | 889.8  | 865.8  |
| 20°   | 882.7  | 830.4  | 825.1  | 861.7  | 913.0  | 939.2  | 908.0  | 886.0  |
| 22.5° | 824.8  | 768.4  | 756.4  | 796.7  | 873.9  | 941.1  | 931.2  | 909.2  |
| 25°   | 770.1  | 713.3  | 701.3  | 738.9  | 830.6  | 937.8  | 956.3  | 937.6  |
| 27.5° | 724.2  | 669.4  | 658.2  | 695.9  | 788.8  | 928.5  | 981.4  | 968.1  |
| 30°   | 688.8  | 638.1  | 629.9  | 666.1  | 752.9  | 917.1  | 1013.3 | 1006.0 |
| 32.5° | 668.0  | 630.9  | 634.0  | 663.7  | 733.5  | 904.6  | 1043.9 | 1047.4 |
| 35°   | 688.5  | 690.1  | 716.3  | 728.6  | 751.5  | 902.6  | 1085.4 | 1099.3 |
| 37.5° | 790.3  | 847.0  | 901.3  | 891.1  | 839.6  | 924.7  | 1147.3 | 1173.2 |
| 40°   | 963.4  | 1079.9 | 1168.0 | 1129.6 | 999.7  | 992.3  | 1236.5 | 1275.2 |
| 42.5° | 1175.1 | 1372.6 | 1517.7 | 1414.6 | 1206.2 | 1110.7 | 1363.9 | 1413.3 |
| 45°   | 1398.5 | 1733.5 | 1962.1 | 1747.6 | 1426.3 | 1276.5 | 1556.7 | 1595.4 |
| 47.5° | 1634.0 | 2172.1 | 2467.8 | 2117.0 | 1630.4 | 1465.3 | 1819.7 | 1828.7 |
| 50°   | 1891.4 | 2653.0 | 2983.4 | 2486.0 | 1827.3 | 1681.6 | 2141.0 | 2130.7 |
| 52.5° | 2136.6 | 3147.6 | 3488.0 | 2856.8 | 2000.3 | 1950.1 | 2513.9 | 2492.6 |
| 55°   | 2370.7 | 3641.8 | 3995.6 | 3213.0 | 2163.4 | 2304.7 | 2956.8 | 2828.1 |
| 57.5° | 2642.0 | 4086.2 | 4518.7 | 3570.9 | 2391.4 | 2765.1 | 3452.2 | 3022.8 |
| 60°   | 3043.3 | 4591.1 | 5110.4 | 4061.4 | 2825.1 | 3249.0 | 3629.8 | 2985.8 |
| 62.5° | 3555.6 | 5055.3 | 5540.5 | 4542.0 | 3260.7 | 3340.1 | 3368.3 | 2700.0 |
| 65°   | 3655.2 | 5172.9 | 5564.8 | 4670.4 | 3204.6 | 2833.3 | 2749.9 | 2170.2 |
| 67.5° | 3391.1 | 4960.4 | 5225.6 | 4431.2 | 2834.6 | 2189.5 | 2063.5 | 1574.4 |
| 70°   | 3094.9 | 4555.3 | 4634.1 | 4024.5 | 2493.1 | 1610.5 | 1393.6 | 1010.3 |
| 72.5° | 2791.3 | 4014.9 | 3851.8 | 3495.0 | 2191.1 | 1172.7 | 1005.2 | 718.2  |
| 75°   | 2430.7 | 3304.4 | 3034.1 | 2903.9 | 1814.2 | 920.3  | 727.2  | 495.6  |
| 77.5° | 1946.5 | 2325.9 | 2253.7 | 2250.9 | 1363.4 | 672.4  | 485.2  | 310.7  |
| 80°   | 1373.1 | 1509.5 | 1472.7 | 1695.2 | 914.6  | 487.7  | 292.1  | 172.9  |
| 82.5° | 664.7  | 834.7  | 856.8  | 1009.5 | 444.8  | 287.0  | 67.3   | 37.6   |
| 85°   | 260.2  | 402.6  | 339.6  | 383.2  | 124.9  | 79.9   | 1.6    | 0.0    |
| 87.5° | 29.2   | 46.6   | 42.8   | 33.8   | 15.3   | 3.3    | 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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