

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: P967817

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

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P967817  
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-SLL-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(5) 70 CRI, 5700K, 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: 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



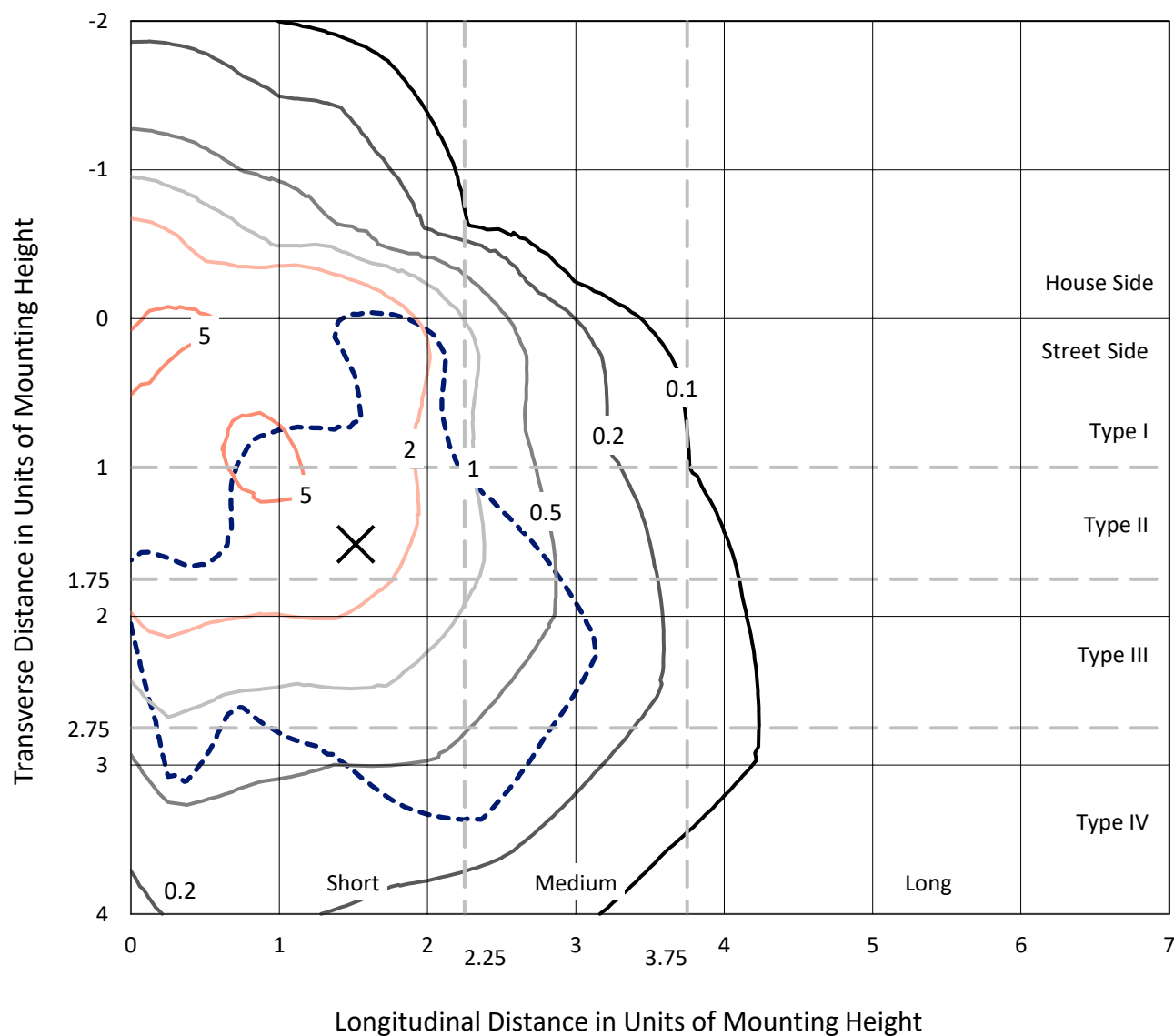
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

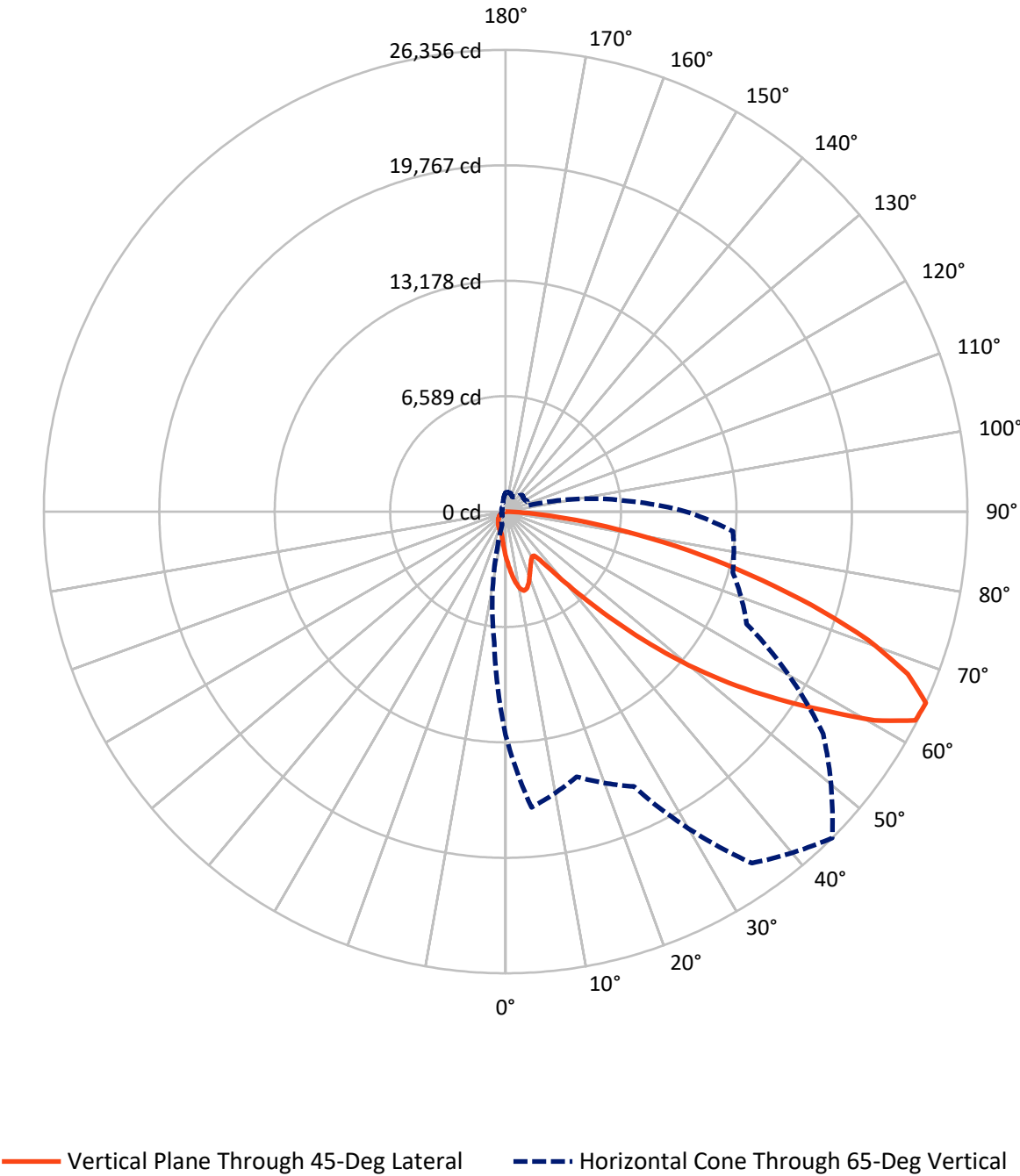


Based on 25 foot mounting height. Maximum calculated value = 6.8 fc

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    | 3727.6   | 0.0    | 3727.6  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 15025.8  | 0.0    | 15025.8 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | 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**



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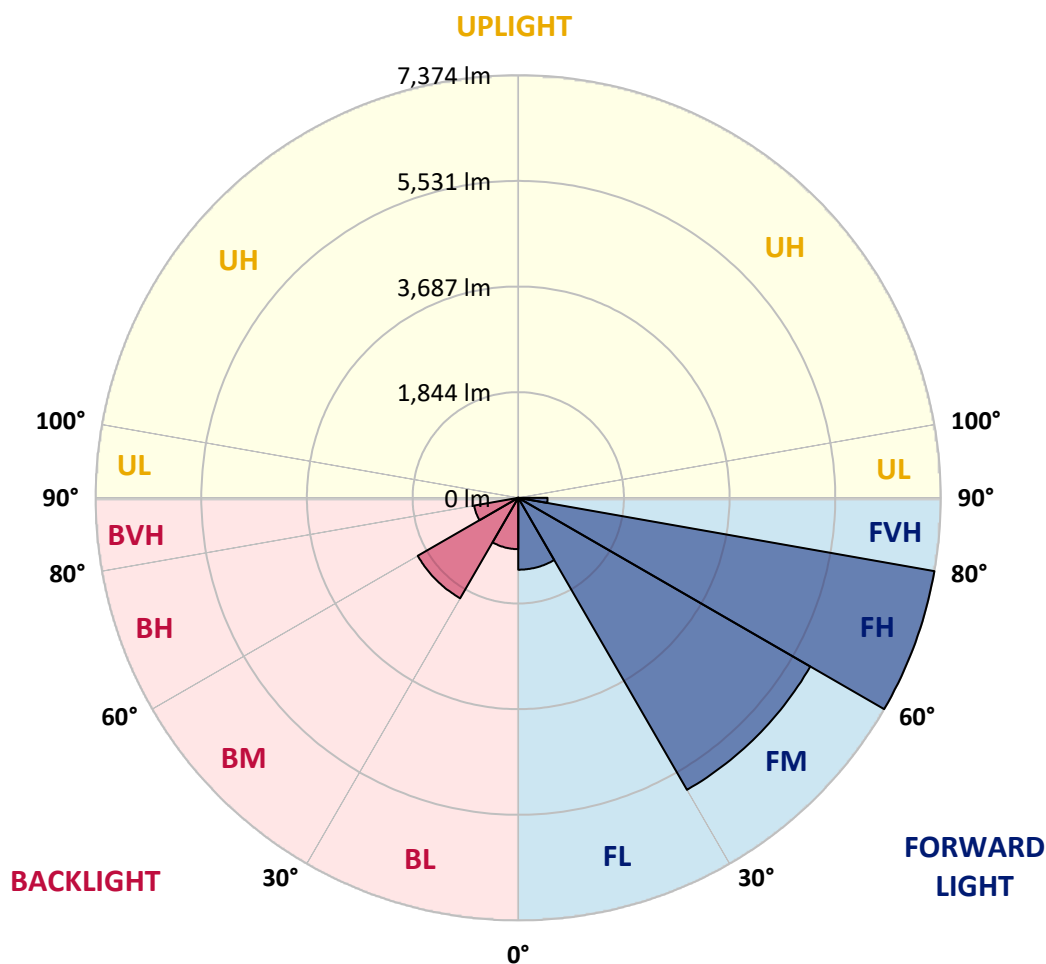
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1254.8 | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 5885.0 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 7374.4 | 39.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 511.5  | 2.7       |                         |      | G4/750  |
| BL   | (0°-30°)    | 896.3  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 2025.2 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 781.0  | 4.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 25.1   | 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



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**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°  | 2909.4  | 2931.4  | 2980.5  | 3006.3  | 3046.3  | 3049.0  | 3049.0  | 3014.0  | 3012.8  | 2941.6  | 2934.0  |
| 5°    | 3251.7  | 3303.5  | 3419.7  | 3539.8  | 3565.7  | 3572.1  | 3559.2  | 3489.4  | 3437.7  | 3299.6  | 3269.9  |
| 7.5°  | 3591.5  | 3691.0  | 3867.9  | 4028.1  | 4079.9  | 4079.9  | 4048.9  | 3935.2  | 3829.2  | 3629.0  | 3554.1  |
| 10°   | 3873.2  | 3998.4  | 4238.8  | 4418.4  | 4477.8  | 4464.9  | 4401.6  | 4258.2  | 4112.2  | 3869.3  | 3771.1  |
| 12.5° | 4059.2  | 4200.0  | 4463.6  | 4608.3  | 4669.0  | 4635.4  | 4563.0  | 4423.5  | 4269.7  | 4014.0  | 3902.9  |
| 15°   | 4152.2  | 4299.5  | 4528.1  | 4604.4  | 4587.6  | 4552.7  | 4543.6  | 4476.5  | 4360.2  | 4121.2  | 3999.8  |
| 17.5° | 4192.2  | 4329.2  | 4488.1  | 4440.3  | 4298.2  | 4271.1  | 4361.5  | 4446.8  | 4418.4  | 4214.2  | 4100.5  |
| 20°   | 4229.8  | 4344.7  | 4392.5  | 4180.7  | 3932.6  | 3908.0  | 4081.1  | 4324.1  | 4448.1  | 4300.8  | 4196.1  |
| 22.5° | 4281.4  | 4352.5  | 4254.3  | 3906.8  | 3639.4  | 3582.5  | 3773.6  | 4139.3  | 4457.1  | 4410.6  | 4305.9  |
| 25°   | 4352.5  | 4371.8  | 4101.8  | 3647.1  | 3378.4  | 3321.5  | 3499.8  | 3933.8  | 4441.6  | 4529.5  | 4440.3  |
| 27.5° | 4437.7  | 4397.7  | 3955.9  | 3430.1  | 3170.3  | 3117.4  | 3295.7  | 3736.2  | 4397.7  | 4648.3  | 4585.0  |
| 30°   | 4548.8  | 4431.3  | 3811.2  | 3262.1  | 3021.8  | 2983.1  | 3154.8  | 3565.7  | 4343.4  | 4799.5  | 4764.6  |
| 32.5° | 4661.2  | 4445.4  | 3676.8  | 3163.9  | 2988.2  | 3002.4  | 3143.3  | 3473.9  | 4284.0  | 4944.2  | 4960.9  |
| 35°   | 4782.6  | 4490.7  | 3610.9  | 3260.8  | 3268.5  | 3392.5  | 3450.7  | 3559.2  | 4275.0  | 5140.5  | 5206.4  |
| 37.5° | 4948.0  | 4591.5  | 3689.7  | 3742.7  | 4011.4  | 4268.5  | 4220.6  | 3976.5  | 4379.6  | 5433.8  | 5556.5  |
| 40°   | 5185.8  | 4768.4  | 4033.4  | 4563.0  | 5114.6  | 5531.9  | 5349.8  | 4734.9  | 4699.9  | 5856.2  | 6039.7  |
| 42.5° | 5531.9  | 5050.1  | 4643.1  | 5565.5  | 6500.9  | 7188.2  | 6699.9  | 5712.8  | 5260.7  | 6459.5  | 6693.4  |
| 45°   | 6043.6  | 5506.1  | 5380.8  | 6623.7  | 8210.1  | 9292.8  | 8277.3  | 6755.4  | 6046.2  | 7372.9  | 7556.4  |
| 47.5° | 6752.8  | 6176.6  | 6072.0  | 7738.5  | 10287.5 | 11688.0 | 10026.6 | 7721.7  | 6940.2  | 8618.4  | 8660.9  |
| 50°   | 7694.7  | 7079.7  | 6727.0  | 8958.1  | 12565.2 | 14129.6 | 11774.5 | 8654.5  | 7964.7  | 10140.2 | 10091.1 |
| 52.5° | 8937.5  | 8339.3  | 7490.5  | 10119.5 | 14907.4 | 16519.7 | 13530.2 | 9473.6  | 9235.9  | 11906.3 | 11805.5 |
| 55°   | 10632.4 | 10234.5 | 8534.4  | 11228.1 | 17248.3 | 18924.0 | 15217.5 | 10246.2 | 10915.3 | 14004.4 | 13394.6 |
| 57.5° | 12735.7 | 13019.9 | 10039.5 | 12513.5 | 19352.8 | 21401.8 | 16912.4 | 11326.2 | 13096.1 | 16350.5 | 14317.0 |
| 60°   | 14092.2 | 16723.8 | 12921.8 | 14413.9 | 21744.1 | 24204.0 | 19235.3 | 13380.4 | 15388.0 | 17191.5 | 14141.3 |
| 62.5° | 13764.0 | 17902.0 | 16373.8 | 16840.1 | 23943.1 | 26241.3 | 21511.7 | 15443.6 | 15819.4 | 15952.6 | 12787.4 |
| 65°   | 12757.7 | 16951.2 | 15669.6 | 17311.6 | 24499.9 | 26356.3 | 22120.1 | 15177.4 | 13419.1 | 13023.8 | 10278.5 |
| 67.5° | 11372.7 | 15823.3 | 13996.6 | 16061.0 | 23493.4 | 24749.1 | 20987.2 | 13425.6 | 10370.2 | 9773.4  | 7456.9  |
| 70°   | 9877.9  | 14575.4 | 12898.5 | 14658.0 | 21574.9 | 21948.3 | 19060.9 | 11808.1 | 7627.4  | 6600.4  | 4785.2  |
| 72.5° | 8459.4  | 13275.7 | 12146.6 | 13220.1 | 19015.7 | 18243.2 | 16553.2 | 10377.9 | 5554.0  | 4760.7  | 3401.6  |
| 75°   | 7008.6  | 11358.5 | 11075.5 | 11512.3 | 15650.2 | 14370.0 | 13753.8 | 8592.5  | 4358.9  | 3444.2  | 2347.5  |
| 77.5° | 5407.9  | 8875.5  | 9526.6  | 9219.1  | 11016.2 | 10673.8 | 10660.8 | 6457.0  | 3184.6  | 2298.4  | 1471.5  |
| 80°   | 3701.4  | 6185.7  | 7442.7  | 6503.5  | 7149.5  | 6975.0  | 8029.2  | 4331.8  | 2309.9  | 1383.6  | 819.1   |
| 82.5° | 2175.6  | 3766.0  | 5180.6  | 3148.4  | 3953.2  | 4057.9  | 4781.4  | 2107.1  | 1359.0  | 319.1   | 178.2   |
| 85°   | 882.4   | 1487.0  | 2025.7  | 1232.5  | 1906.9  | 1608.4  | 1815.2  | 591.7   | 378.5   | 7.8     | 0.0     |
| 87.5° | 222.2   | 475.4   | 333.3   | 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     | 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°    | 2596.7  | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 | 2596.7 |
| 2.5°  | 2883.5  | 2853.8 | 2780.2 | 2706.5 | 2647.2 | 2567.0 | 2514.0 | 2450.8 | 2390.0 | 2335.8 | 2325.4 |
| 5°    | 3188.5  | 3090.3 | 2955.9 | 2833.2 | 2707.8 | 2586.4 | 2466.3 | 2339.7 | 2223.4 | 2152.3 | 2107.1 |
| 7.5°  | 3436.5  | 3263.4 | 3085.0 | 2928.7 | 2777.6 | 2635.5 | 2476.6 | 2322.9 | 2140.7 | 2043.8 | 1956.0 |
| 10°   | 3621.2  | 3393.9 | 3160.0 | 2980.5 | 2828.0 | 2689.8 | 2555.4 | 2400.3 | 2180.8 | 2059.3 | 1927.5 |
| 12.5° | 3742.7  | 3472.7 | 3198.8 | 2993.4 | 2822.8 | 2715.6 | 2656.2 | 2595.5 | 2377.1 | 2235.0 | 2043.8 |
| 15°   | 3826.6  | 3528.3 | 3225.9 | 2963.7 | 2754.4 | 2675.6 | 2735.0 | 2804.7 | 2665.2 | 2501.1 | 2251.8 |
| 17.5° | 3918.4  | 3600.5 | 3237.6 | 2883.5 | 2621.3 | 2587.7 | 2741.5 | 2902.9 | 2896.4 | 2733.7 | 2489.5 |
| 20°   | 4015.2  | 3663.9 | 3229.8 | 2754.4 | 2459.8 | 2489.5 | 2685.9 | 2873.2 | 2952.0 | 2864.2 | 2647.2 |
| 22.5° | 4114.8  | 3724.5 | 3200.0 | 2586.4 | 2308.6 | 2401.7 | 2598.1 | 2762.1 | 2855.1 | 2828.0 | 2662.6 |
| 25°   | 4240.0  | 3809.8 | 3156.2 | 2405.6 | 2183.4 | 2312.5 | 2496.0 | 2629.0 | 2693.6 | 2692.4 | 2578.7 |
| 27.5° | 4390.0  | 3923.5 | 3132.9 | 2259.5 | 2094.2 | 2211.7 | 2374.5 | 2493.4 | 2538.6 | 2538.6 | 2448.2 |
| 30°   | 4564.3  | 4057.9 | 3107.1 | 2164.0 | 2042.5 | 2107.1 | 2233.7 | 2350.0 | 2395.2 | 2395.2 | 2319.0 |
| 32.5° | 4758.2  | 4187.1 | 3045.1 | 2105.9 | 2003.8 | 2005.0 | 2085.2 | 2191.0 | 2245.4 | 2253.1 | 2198.8 |
| 35°   | 4990.6  | 4325.3 | 2909.4 | 2059.3 | 1958.6 | 1905.6 | 1944.3 | 2032.2 | 2096.7 | 2113.5 | 2079.9 |
| 37.5° | 5295.6  | 4494.5 | 2715.6 | 1990.9 | 1888.8 | 1800.9 | 1809.9 | 1877.2 | 1948.2 | 1974.0 | 1952.1 |
| 40°   | 5705.0  | 4693.5 | 2514.0 | 1892.7 | 1790.6 | 1685.9 | 1682.0 | 1731.1 | 1800.9 | 1829.3 | 1817.7 |
| 42.5° | 6246.3  | 4932.5 | 2321.5 | 1798.4 | 1671.8 | 1564.5 | 1558.0 | 1596.8 | 1657.5 | 1687.3 | 1682.0 |
| 45°   | 6938.8  | 5225.8 | 2156.2 | 1724.7 | 1555.4 | 1449.6 | 1447.0 | 1479.3 | 1532.2 | 1563.2 | 1556.8 |
| 47.5° | 7901.3  | 5519.0 | 2043.8 | 1685.9 | 1463.7 | 1355.3 | 1360.4 | 1388.8 | 1436.6 | 1458.6 | 1449.6 |
| 50°   | 9155.8  | 5608.2 | 1987.0 | 1685.9 | 1414.6 | 1271.2 | 1297.0 | 1320.3 | 1356.5 | 1369.4 | 1357.8 |
| 52.5° | 10359.9 | 5313.6 | 1935.3 | 1696.3 | 1421.1 | 1200.2 | 1255.7 | 1272.5 | 1303.5 | 1308.7 | 1291.9 |
| 55°   | 10950.3 | 4568.2 | 1864.3 | 1698.8 | 1461.1 | 1139.5 | 1222.1 | 1253.2 | 1264.7 | 1263.5 | 1235.0 |
| 57.5° | 10747.4 | 3693.6 | 1744.0 | 1688.5 | 1488.3 | 1100.7 | 1180.8 | 1240.2 | 1247.9 | 1236.4 | 1183.4 |
| 60°   | 10035.6 | 2719.4 | 1652.4 | 1612.3 | 1477.9 | 1089.1 | 1117.5 | 1211.9 | 1223.4 | 1208.0 | 1121.4 |
| 62.5° | 8841.9  | 1887.4 | 1581.3 | 1444.3 | 1432.7 | 1085.2 | 1018.0 | 1149.8 | 1178.2 | 1156.3 | 1029.6 |
| 65°   | 6960.9  | 1333.2 | 1361.7 | 1266.1 | 1334.6 | 1064.6 | 914.7  | 1074.9 | 1113.7 | 1080.0 | 901.8  |
| 67.5° | 4710.3  | 962.5  | 1103.3 | 1147.2 | 1175.7 | 1018.0 | 839.8  | 989.6  | 1041.3 | 997.3  | 753.2  |
| 70°   | 2543.7  | 675.7  | 728.7  | 966.4  | 998.7  | 938.0  | 772.5  | 903.0  | 962.5  | 914.7  | 613.7  |
| 72.5° | 1502.4  | 485.7  | 510.3  | 776.4  | 832.0  | 825.5  | 697.6  | 802.3  | 874.6  | 817.7  | 498.7  |
| 75°   | 828.1   | 328.1  | 364.3  | 563.2  | 675.7  | 636.9  | 599.4  | 679.6  | 753.2  | 697.6  | 385.0  |
| 77.5° | 370.7   | 196.4  | 253.2  | 369.5  | 530.9  | 436.6  | 463.8  | 529.7  | 598.2  | 540.0  | 257.1  |
| 80°   | 143.4   | 109.8  | 168.0  | 201.5  | 386.3  | 241.6  | 298.5  | 390.1  | 439.2  | 392.8  | 156.3  |
| 82.5° | 18.0    | 49.1   | 72.4   | 78.8   | 224.8  | 127.9  | 173.1  | 245.5  | 241.6  | 209.3  | 78.8   |
| 85°   | 0.0     | 9.0    | 10.4   | 5.1    | 96.9   | 46.5   | 56.9   | 80.1   | 74.9   | 56.9   | 6.5    |
| 87.5° | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.6    | 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):**

|       | 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°  | 2262.2 | 2215.6 | 2192.4 | 2173.0 | 2191.0 | 2201.4 | 2201.4 | 2245.4 | 2271.2 | 2281.5 | 2353.9 |
| 5°    | 1993.4 | 1906.9 | 1848.7 | 1813.8 | 1825.4 | 1838.4 | 1852.6 | 1908.1 | 1945.7 | 1970.2 | 2082.6 |
| 7.5°  | 1781.6 | 1649.7 | 1568.4 | 1525.7 | 1532.2 | 1541.3 | 1552.9 | 1607.1 | 1644.6 | 1676.9 | 1802.3 |
| 10°   | 1676.9 | 1490.9 | 1383.6 | 1332.0 | 1323.0 | 1317.7 | 1313.8 | 1346.1 | 1374.6 | 1400.5 | 1524.5 |
| 12.5° | 1682.0 | 1422.4 | 1291.9 | 1228.6 | 1201.5 | 1170.4 | 1145.9 | 1151.1 | 1169.2 | 1201.5 | 1280.3 |
| 15°   | 1747.9 | 1400.5 | 1244.1 | 1165.3 | 1120.1 | 1083.9 | 1054.2 | 1047.8 | 1054.2 | 1059.3 | 1108.4 |
| 17.5° | 1837.1 | 1397.9 | 1202.7 | 1104.5 | 1058.1 | 1028.4 | 1001.2 | 992.2  | 993.5  | 1000.0 | 1012.9 |
| 20°   | 1908.1 | 1390.1 | 1156.3 | 1046.4 | 1005.1 | 979.3  | 952.1  | 943.1  | 945.7  | 947.0  | 961.1  |
| 22.5° | 1945.7 | 1378.5 | 1104.5 | 988.3  | 953.5  | 927.6  | 903.0  | 901.8  | 901.8  | 909.5  | 919.8  |
| 25°   | 1945.7 | 1353.9 | 1058.1 | 932.7  | 901.8  | 878.5  | 848.8  | 853.9  | 856.5  | 866.8  | 882.4  |
| 27.5° | 1899.1 | 1307.4 | 1020.6 | 885.0  | 852.7  | 829.4  | 802.3  | 808.7  | 812.6  | 824.2  | 843.6  |
| 30°   | 1839.7 | 1251.8 | 978.0  | 839.8  | 802.3  | 785.5  | 762.2  | 764.9  | 770.0  | 782.9  | 804.8  |
| 32.5° | 1776.4 | 1186.0 | 943.1  | 794.5  | 757.1  | 744.2  | 718.3  | 722.2  | 727.3  | 741.6  | 766.1  |
| 35°   | 1706.6 | 1108.4 | 901.8  | 753.2  | 715.8  | 705.4  | 675.7  | 678.2  | 686.0  | 701.5  | 726.0  |
| 37.5° | 1632.9 | 1045.2 | 860.4  | 713.1  | 674.3  | 664.0  | 633.0  | 635.6  | 644.6  | 662.8  | 686.0  |
| 40°   | 1560.7 | 983.2  | 816.5  | 670.5  | 631.7  | 622.7  | 589.1  | 591.7  | 602.0  | 621.5  | 646.0  |
| 42.5° | 1481.8 | 935.3  | 759.6  | 626.6  | 585.3  | 576.2  | 545.2  | 549.1  | 560.7  | 580.0  | 604.6  |
| 45°   | 1387.5 | 904.4  | 696.4  | 585.3  | 538.7  | 529.7  | 501.2  | 509.0  | 521.9  | 541.3  | 567.1  |
| 47.5° | 1290.6 | 891.4  | 643.4  | 541.3  | 491.0  | 483.2  | 459.9  | 472.8  | 487.1  | 502.6  | 530.9  |
| 50°   | 1197.6 | 874.6  | 589.1  | 500.0  | 449.6  | 441.9  | 426.3  | 443.1  | 457.4  | 471.5  | 498.7  |
| 52.5° | 1091.6 | 838.4  | 540.0  | 463.8  | 414.7  | 412.2  | 404.4  | 419.8  | 432.8  | 445.7  | 468.9  |
| 55°   | 981.8  | 780.3  | 497.4  | 431.5  | 385.0  | 387.6  | 383.7  | 396.6  | 406.9  | 418.6  | 439.2  |
| 57.5° | 886.2  | 706.6  | 463.8  | 396.6  | 359.2  | 367.0  | 361.7  | 368.2  | 374.6  | 388.9  | 405.7  |
| 60°   | 789.4  | 618.8  | 426.3  | 355.3  | 333.3  | 342.3  | 328.1  | 326.9  | 329.4  | 333.3  | 364.3  |
| 62.5° | 658.9  | 527.1  | 379.9  | 319.1  | 304.9  | 308.7  | 281.7  | 261.0  | 261.0  | 264.9  | 311.4  |
| 65°   | 529.7  | 441.9  | 328.1  | 277.8  | 266.1  | 263.5  | 224.8  | 196.4  | 193.8  | 205.4  | 245.5  |
| 67.5° | 435.4  | 367.0  | 276.4  | 231.2  | 223.4  | 226.1  | 197.6  | 169.2  | 166.7  | 179.6  | 209.3  |
| 70°   | 360.5  | 295.8  | 220.9  | 178.2  | 186.0  | 197.6  | 169.2  | 142.1  | 138.3  | 149.9  | 178.2  |
| 72.5° | 286.8  | 231.2  | 169.2  | 131.8  | 153.8  | 168.0  | 138.3  | 112.4  | 109.8  | 120.1  | 147.3  |
| 75°   | 210.5  | 165.3  | 115.0  | 95.6   | 118.9  | 131.8  | 100.8  | 80.1   | 76.3   | 85.3   | 112.4  |
| 77.5° | 130.5  | 93.0   | 72.4   | 56.9   | 81.4   | 87.8   | 53.0   | 46.5   | 45.2   | 51.7   | 71.0   |
| 80°   | 60.7   | 40.1   | 34.8   | 19.4   | 29.7   | 34.8   | 21.9   | 24.5   | 25.8   | 31.0   | 44.0   |
| 82.5° | 16.8   | 6.5    | 1.3    | 0.0    | 0.0    | 10.4   | 5.1    | 10.4   | 12.9   | 19.4   | 28.4   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.6    | 6.5    | 11.6   | 20.7   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 5.1    | 10.4   |
| 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: P967817

CATALOG NUMBER: NAV-SB5A-760-U-SLL-HSS

**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°  | 2408.1 | 2459.8 | 2542.5 | 2627.8 | 2711.7 | 2797.0 | 2879.6 | 2909.4  |
| 5°    | 2184.6 | 2303.5 | 2467.6 | 2643.3 | 2824.1 | 3007.6 | 3175.6 | 3251.7  |
| 7.5°  | 1935.3 | 2105.9 | 2352.6 | 2627.8 | 2915.8 | 3203.9 | 3468.8 | 3591.5  |
| 10°   | 1669.1 | 1884.9 | 2166.5 | 2538.6 | 2952.0 | 3349.9 | 3714.3 | 3873.2  |
| 12.5° | 1415.9 | 1642.0 | 1953.3 | 2399.1 | 2923.6 | 3434.0 | 3871.8 | 4059.2  |
| 15°   | 1204.1 | 1404.4 | 1740.2 | 2233.7 | 2831.9 | 3439.1 | 3946.8 | 4152.2  |
| 17.5° | 1045.2 | 1175.7 | 1523.1 | 2050.3 | 2711.7 | 3391.3 | 3972.6 | 4192.2  |
| 20°   | 966.4  | 1002.6 | 1241.5 | 1815.2 | 2599.3 | 3346.0 | 3998.4 | 4229.8  |
| 22.5° | 919.8  | 928.9  | 1015.5 | 1511.6 | 2464.9 | 3331.9 | 4043.7 | 4281.4  |
| 25°   | 882.4  | 885.0  | 908.3  | 1197.6 | 2259.5 | 3322.8 | 4113.4 | 4352.5  |
| 27.5° | 844.9  | 844.9  | 857.8  | 965.0  | 1980.5 | 3284.0 | 4203.9 | 4437.7  |
| 30°   | 807.5  | 807.5  | 816.5  | 853.9  | 1653.6 | 3207.8 | 4312.4 | 4548.8  |
| 32.5° | 768.6  | 768.6  | 776.4  | 803.6  | 1320.3 | 3112.2 | 4411.9 | 4661.2  |
| 35°   | 729.9  | 727.3  | 737.7  | 766.1  | 1050.3 | 2990.7 | 4511.3 | 4782.6  |
| 37.5° | 688.6  | 687.3  | 697.6  | 729.9  | 906.9  | 2849.9 | 4586.3 | 4948.0  |
| 40°   | 644.6  | 644.6  | 656.3  | 691.2  | 865.6  | 2673.0 | 4705.2 | 5185.8  |
| 42.5° | 604.6  | 602.0  | 615.0  | 657.5  | 834.6  | 2503.8 | 4918.4 | 5531.9  |
| 45°   | 565.9  | 560.7  | 572.4  | 625.2  | 780.3  | 2444.3 | 5316.3 | 6043.6  |
| 47.5° | 529.7  | 516.8  | 527.1  | 586.5  | 731.2  | 2666.5 | 5967.3 | 6752.8  |
| 50°   | 500.0  | 475.4  | 484.5  | 547.8  | 693.7  | 3148.4 | 6812.3 | 7694.7  |
| 52.5° | 468.9  | 436.6  | 441.9  | 500.0  | 660.2  | 3607.0 | 7728.2 | 8937.5  |
| 55°   | 436.6  | 400.5  | 403.0  | 452.1  | 612.3  | 3675.4 | 8622.2 | 10632.4 |
| 57.5° | 400.5  | 367.0  | 367.0  | 408.3  | 577.5  | 3185.9 | 9309.6 | 12735.7 |
| 60°   | 360.5  | 338.5  | 332.0  | 373.4  | 608.4  | 2247.9 | 9389.6 | 14092.2 |
| 62.5° | 316.5  | 304.9  | 295.8  | 339.8  | 631.7  | 1332.0 | 8745.0 | 13764.0 |
| 65°   | 266.1  | 263.5  | 257.1  | 373.4  | 532.3  | 786.8  | 7507.3 | 12757.7 |
| 67.5° | 223.4  | 219.7  | 219.7  | 391.4  | 404.4  | 494.8  | 5865.3 | 11372.7 |
| 70°   | 192.5  | 178.2  | 178.2  | 295.8  | 245.5  | 342.3  | 4095.4 | 9877.9  |
| 72.5° | 161.5  | 146.0  | 135.6  | 236.5  | 183.5  | 250.6  | 2559.3 | 8459.4  |
| 75°   | 129.1  | 117.6  | 104.7  | 156.3  | 136.9  | 189.9  | 1487.0 | 7008.6  |
| 77.5° | 93.0   | 87.8   | 73.6   | 115.0  | 99.5   | 136.9  | 885.0  | 5407.9  |
| 80°   | 47.8   | 49.1   | 46.5   | 65.9   | 67.1   | 93.0   | 503.9  | 3701.4  |
| 82.5° | 28.4   | 21.9   | 24.5   | 32.3   | 38.7   | 53.0   | 189.9  | 2175.6  |
| 85°   | 18.0   | 11.6   | 11.6   | 15.5   | 19.4   | 20.7   | 58.1   | 882.4   |
| 87.5° | 9.0    | 3.9    | 5.1    | 7.8    | 6.5    | 5.1    | 2.6    | 222.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

(END OF REPORT)