

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: STREETWORKS

Report Number: P964717

Luminaire Tested: **NVN-SB3C-830-U-SLL-HSS**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P964717  
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: STREETWORKS  
Catalog Number: NVN-SB3C-830-U-SLL-HSS  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 80 CRI, 3000K, 615mA 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: 15794.2 lumens  
Efficiency: N/A  
Efficacy: 105.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3  
  
Input Watts (W): 149.1  
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



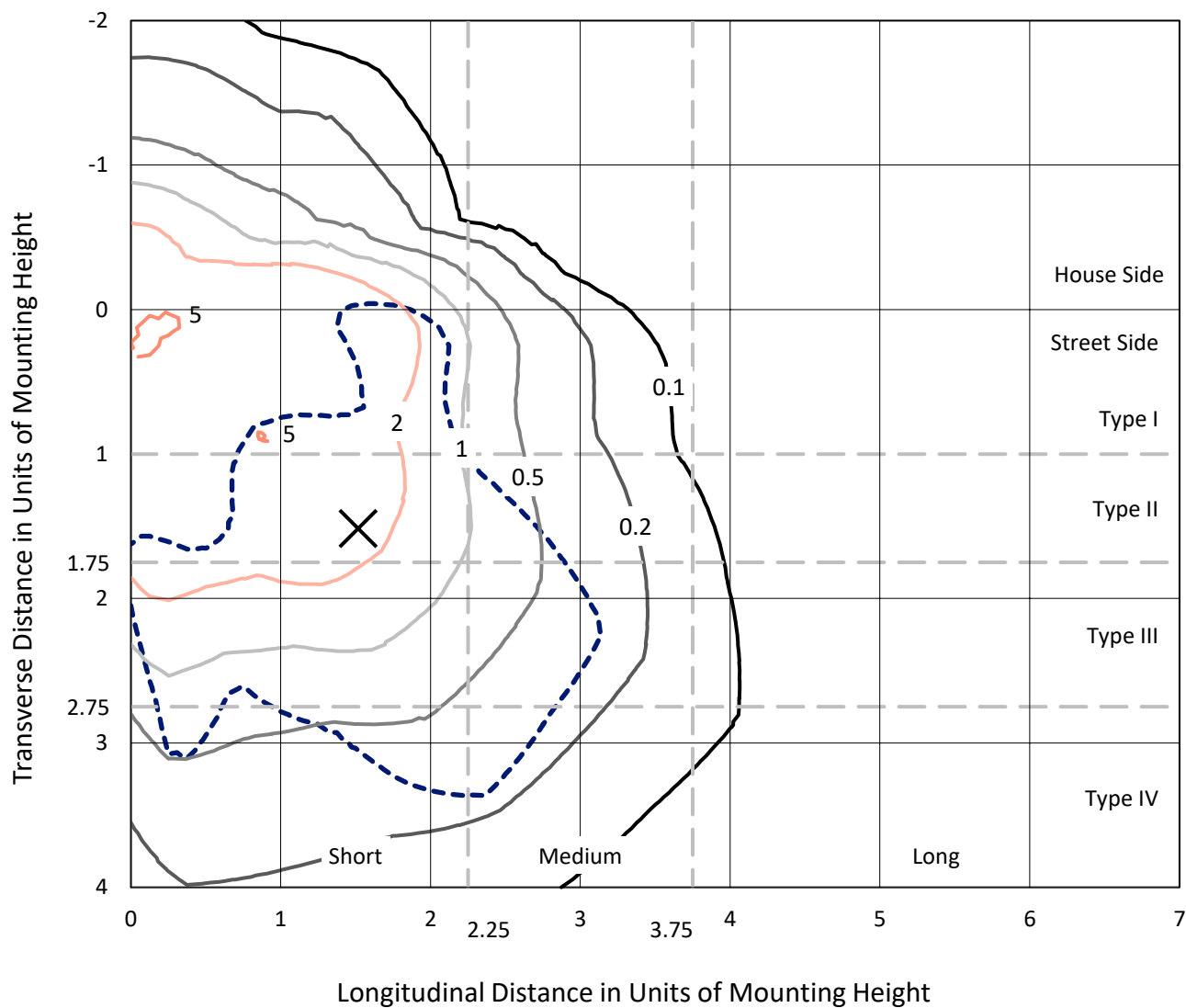
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



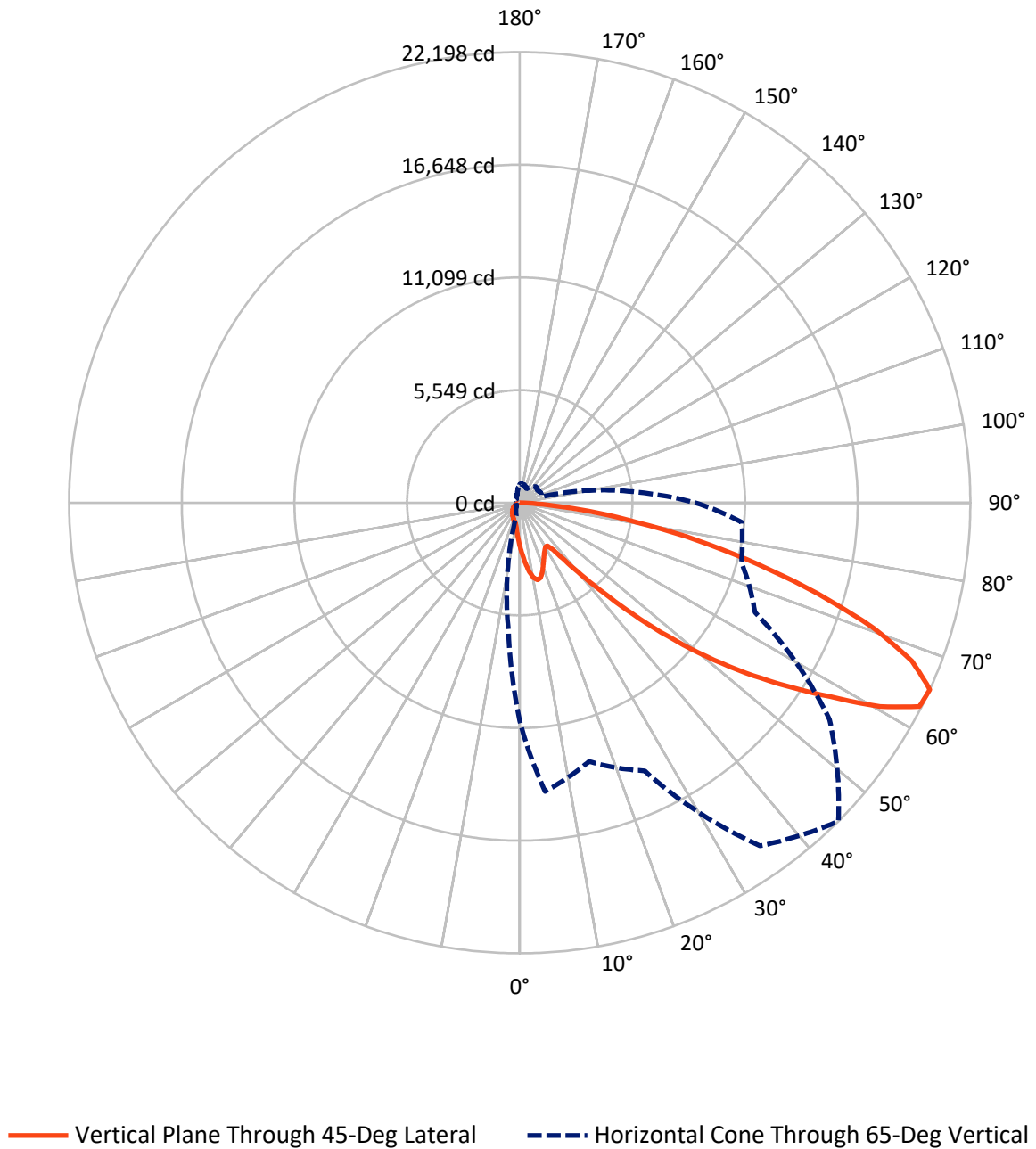
Based on 25 foot mounting height. Maximum calculated value = 5.7 fc

Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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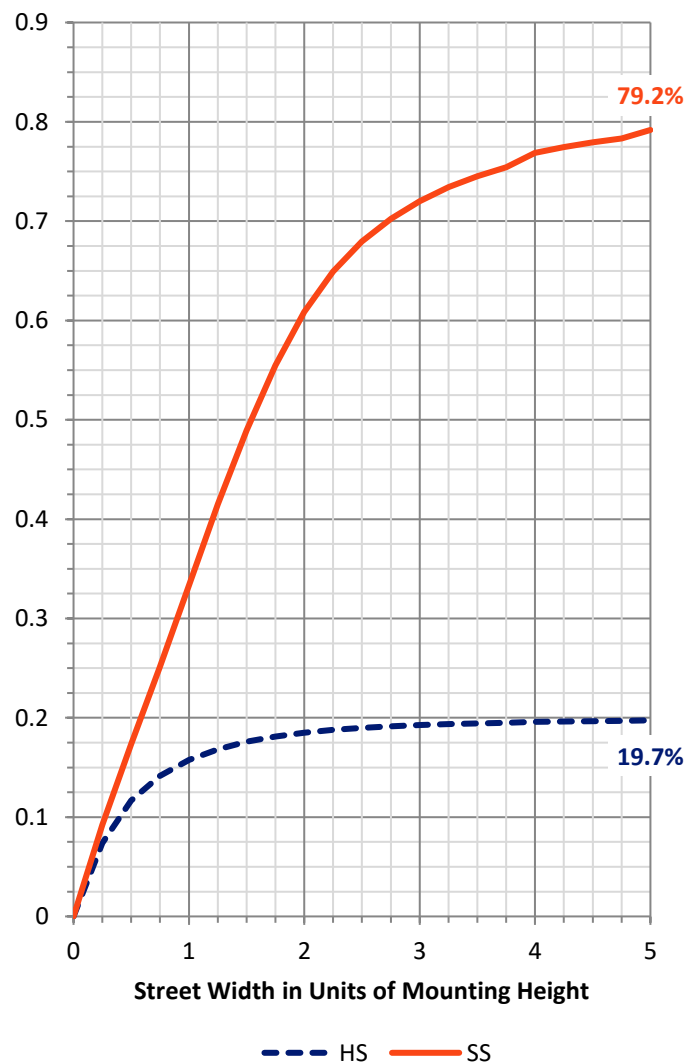
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3139.4   | 0.0    | 3139.4  |
|                    | % Fixture | 19.9     | 0.0    | 19.9    |
| <b>Street Side</b> | Lumens    | 12654.8  | 0.0    | 12654.8 |
|                    | % Fixture | 80.1     | 0.0    | 80.1    |
| <b>Total</b>       | Lumens    | 15794.2  | 0.0    | 15794.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 215.3   | 1.4       |
| 10°-20°   | 645.5   | 4.1       |
| 20°-30°   | 950.9   | 6.0       |
| 30°-40°   | 1221.6  | 7.7       |
| 40°-50°   | 1975.7  | 12.5      |
| 50°-60°   | 3464.7  | 21.9      |
| 60°-70°   | 4335.2  | 27.4      |
| 70°-80°   | 2533.3  | 16.0      |
| 80°-90°   | 452.0   | 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°    | 15794.2 | 100.0     |
| 0°-180°   | 15794.2 | 100.0     |

**Coefficient of Utilization**



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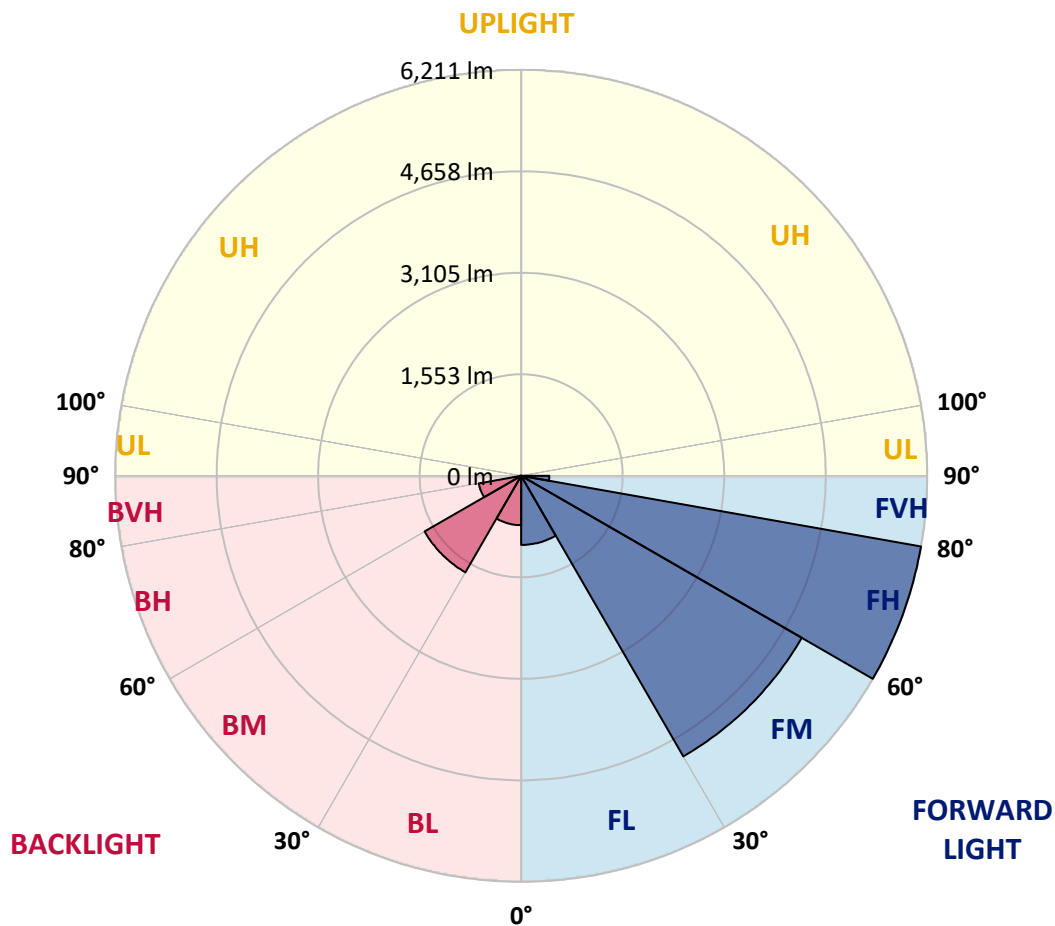
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1056.8 | 6.7       |                         |      |         |
| FM   | (30°-60°)   | 4956.4 | 31.4      |                         |      |         |
| FH   | (60°-80°)   | 6210.8 | 39.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 430.8  | 2.7       |                         |      | G3/500  |
| BL   | (0°-30°)    | 754.8  | 4.8       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1705.6 | 10.8      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 657.8  | 4.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 21.2   | 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-G3**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  | 2187.0  |
| 2.5°  | 2450.3  | 2468.8  | 2510.1  | 2532.0  | 2565.7  | 2567.8  | 2567.8  | 2538.4  | 2537.4  | 2477.5  | 2471.0  |
| 5°    | 2738.6  | 2782.2  | 2880.0  | 2981.3  | 3003.0  | 3008.5  | 2997.6  | 2938.9  | 2895.3  | 2778.9  | 2753.9  |
| 7.5°  | 3024.8  | 3108.6  | 3257.7  | 3392.5  | 3436.1  | 3436.1  | 3410.0  | 3314.2  | 3225.0  | 3056.3  | 2993.2  |
| 10°   | 3262.0  | 3367.5  | 3569.9  | 3721.2  | 3771.2  | 3760.3  | 3707.0  | 3586.3  | 3463.3  | 3258.7  | 3176.1  |
| 12.5° | 3418.7  | 3537.3  | 3759.2  | 3881.1  | 3932.2  | 3903.9  | 3843.0  | 3725.5  | 3596.0  | 3380.6  | 3287.0  |
| 15°   | 3497.0  | 3621.0  | 3813.6  | 3877.9  | 3863.7  | 3834.3  | 3826.7  | 3770.2  | 3672.2  | 3470.9  | 3368.7  |
| 17.5° | 3530.7  | 3646.1  | 3779.9  | 3739.6  | 3620.0  | 3597.1  | 3673.3  | 3745.0  | 3721.2  | 3549.3  | 3453.5  |
| 20°   | 3562.3  | 3659.1  | 3699.4  | 3521.0  | 3312.1  | 3291.4  | 3437.1  | 3641.7  | 3746.2  | 3622.1  | 3534.0  |
| 22.5° | 3605.8  | 3665.7  | 3583.0  | 3290.2  | 3065.1  | 3017.2  | 3178.2  | 3486.1  | 3753.8  | 3714.6  | 3626.4  |
| 25°   | 3665.7  | 3682.0  | 3454.6  | 3071.6  | 2845.3  | 2797.4  | 2947.6  | 3313.1  | 3740.7  | 3814.7  | 3739.6  |
| 27.5° | 3737.5  | 3703.7  | 3331.7  | 2888.8  | 2670.1  | 2625.4  | 2775.6  | 3146.6  | 3703.7  | 3914.8  | 3861.5  |
| 30°   | 3831.0  | 3732.0  | 3209.8  | 2747.3  | 2545.0  | 2512.3  | 2657.0  | 3003.0  | 3658.0  | 4042.1  | 4012.8  |
| 32.5° | 3925.7  | 3744.0  | 3096.6  | 2664.7  | 2516.7  | 2528.7  | 2647.3  | 2925.8  | 3608.0  | 4164.0  | 4178.1  |
| 35°   | 4027.9  | 3782.0  | 3041.1  | 2746.3  | 2752.7  | 2857.2  | 2906.2  | 2997.6  | 3600.4  | 4329.4  | 4384.8  |
| 37.5° | 4167.2  | 3866.9  | 3107.5  | 3152.1  | 3378.4  | 3595.0  | 3554.7  | 3349.1  | 3688.5  | 4576.3  | 4679.7  |
| 40°   | 4367.4  | 4016.1  | 3397.0  | 3843.0  | 4307.7  | 4659.0  | 4505.7  | 3987.8  | 3958.3  | 4932.2  | 5086.7  |
| 42.5° | 4659.0  | 4253.2  | 3910.5  | 4687.3  | 5475.1  | 6054.0  | 5642.6  | 4811.3  | 4430.6  | 5440.3  | 5637.2  |
| 45°   | 5089.9  | 4637.3  | 4531.7  | 5578.5  | 6914.6  | 7826.4  | 6971.2  | 5689.5  | 5092.1  | 6209.6  | 6364.0  |
| 47.5° | 5687.3  | 5202.0  | 5113.8  | 6517.5  | 8664.2  | 9843.7  | 8444.4  | 6503.3  | 5845.1  | 7258.4  | 7294.3  |
| 50°   | 6480.5  | 5962.5  | 5665.5  | 7544.6  | 10582.4 | 11900.0 | 9916.6  | 7288.9  | 6707.9  | 8540.2  | 8498.8  |
| 52.5° | 7527.2  | 7023.4  | 6308.6  | 8522.8  | 12555.1 | 13912.9 | 11395.2 | 7978.7  | 7778.5  | 10027.6 | 9942.7  |
| 55°   | 8954.7  | 8619.6  | 7187.7  | 9456.3  | 14526.6 | 15937.8 | 12816.2 | 8629.4  | 9193.0  | 11794.6 | 11280.9 |
| 57.5° | 10726.1 | 10965.4 | 8455.3  | 10538.9 | 16299.1 | 18024.7 | 14243.7 | 9539.0  | 11029.6 | 13770.5 | 12057.9 |
| 60°   | 11868.6 | 14084.9 | 10882.7 | 12139.5 | 18313.1 | 20384.8 | 16200.1 | 11269.1 | 12959.9 | 14478.7 | 11909.9 |
| 62.5° | 11592.1 | 15077.2 | 13790.0 | 14182.8 | 20164.9 | 22100.6 | 18117.3 | 13006.6 | 13323.3 | 13435.3 | 10769.6 |
| 65°   | 10744.6 | 14276.4 | 13197.1 | 14580.0 | 20633.9 | 22197.5 | 18629.7 | 12782.5 | 11301.6 | 10968.7 | 8656.5  |
| 67.5° | 9578.2  | 13326.5 | 11788.0 | 13526.7 | 19786.3 | 20843.9 | 17675.5 | 11307.1 | 8733.8  | 8231.2  | 6280.3  |
| 70°   | 8319.3  | 12275.5 | 10863.2 | 12345.1 | 18170.6 | 18485.0 | 16053.2 | 9944.9  | 6423.9  | 5558.9  | 4030.2  |
| 72.5° | 7124.6  | 11180.9 | 10229.9 | 11134.1 | 16015.1 | 15364.4 | 13941.2 | 8740.4  | 4677.6  | 4009.5  | 2864.9  |
| 75°   | 5902.7  | 9566.2  | 9327.9  | 9695.7  | 13180.7 | 12102.5 | 11583.4 | 7236.7  | 3671.1  | 2900.7  | 1977.0  |
| 77.5° | 4554.6  | 7474.9  | 8023.3  | 7764.4  | 9277.9  | 8989.6  | 8978.7  | 5438.1  | 2682.0  | 1935.6  | 1239.3  |
| 80°   | 3117.3  | 5209.7  | 6268.3  | 5477.3  | 6021.3  | 5874.4  | 6762.2  | 3648.3  | 1945.4  | 1165.3  | 689.8   |
| 82.5° | 1832.3  | 3171.7  | 4363.1  | 2651.6  | 3329.4  | 3417.6  | 4026.9  | 1774.6  | 1144.6  | 268.8   | 150.2   |
| 85°   | 743.1   | 1252.3  | 1706.1  | 1038.0  | 1606.0  | 1354.6  | 1528.7  | 498.4   | 318.8   | 6.6     | 0.0     |
| 87.5° | 187.2   | 400.4   | 280.7   | 116.4   | 186.0   | 170.9   | 134.9   | 60.9    | 13.0    | 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°    | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 |
| 2.5°  | 2428.5 | 2403.5 | 2341.5 | 2279.5 | 2229.5 | 2161.9 | 2117.3 | 2064.0 | 2012.9 | 1967.2 | 1958.5 |
| 5°    | 2685.3 | 2602.7 | 2489.5 | 2386.1 | 2280.5 | 2178.3 | 2077.1 | 1970.5 | 1872.6 | 1812.7 | 1774.6 |
| 7.5°  | 2894.2 | 2748.4 | 2598.3 | 2466.7 | 2339.4 | 2219.6 | 2085.8 | 1956.3 | 1802.9 | 1721.3 | 1647.3 |
| 10°   | 3049.8 | 2858.3 | 2661.4 | 2510.1 | 2381.8 | 2265.4 | 2152.2 | 2021.6 | 1836.6 | 1734.4 | 1623.4 |
| 12.5° | 3152.1 | 2924.7 | 2694.0 | 2521.0 | 2377.4 | 2287.1 | 2237.1 | 2185.9 | 2002.0 | 1882.3 | 1721.3 |
| 15°   | 3222.8 | 2971.5 | 2716.9 | 2496.0 | 2319.8 | 2253.4 | 2303.4 | 2362.2 | 2244.6 | 2106.5 | 1896.5 |
| 17.5° | 3300.1 | 3032.5 | 2726.7 | 2428.5 | 2207.6 | 2179.4 | 2308.8 | 2444.8 | 2439.4 | 2302.4 | 2096.6 |
| 20°   | 3381.7 | 3085.8 | 2720.1 | 2319.8 | 2071.6 | 2096.6 | 2262.1 | 2419.8 | 2486.2 | 2412.2 | 2229.5 |
| 22.5° | 3465.4 | 3136.9 | 2695.1 | 2178.3 | 1944.3 | 2022.7 | 2188.1 | 2326.2 | 2404.6 | 2381.8 | 2242.5 |
| 25°   | 3571.0 | 3208.7 | 2658.1 | 2025.9 | 1838.8 | 1947.6 | 2102.2 | 2214.2 | 2268.6 | 2267.5 | 2171.8 |
| 27.5° | 3697.2 | 3304.4 | 2638.6 | 1903.0 | 1763.7 | 1862.7 | 1999.9 | 2099.9 | 2138.0 | 2138.0 | 2061.9 |
| 30°   | 3844.1 | 3417.6 | 2616.8 | 1822.4 | 1720.3 | 1774.6 | 1881.3 | 1979.2 | 2017.3 | 2017.3 | 1953.0 |
| 32.5° | 4007.3 | 3526.4 | 2564.5 | 1773.6 | 1687.6 | 1688.7 | 1756.1 | 1845.3 | 1891.0 | 1897.6 | 1851.9 |
| 35°   | 4203.1 | 3642.8 | 2450.3 | 1734.4 | 1649.5 | 1604.8 | 1637.5 | 1711.5 | 1765.9 | 1780.0 | 1751.7 |
| 37.5° | 4460.0 | 3785.3 | 2287.1 | 1676.7 | 1590.7 | 1516.8 | 1524.4 | 1581.0 | 1640.8 | 1662.6 | 1644.1 |
| 40°   | 4804.9 | 3952.9 | 2117.3 | 1594.0 | 1508.1 | 1419.9 | 1416.7 | 1458.0 | 1516.8 | 1540.7 | 1530.9 |
| 42.5° | 5260.7 | 4154.2 | 1955.2 | 1514.5 | 1407.9 | 1317.6 | 1312.2 | 1344.8 | 1395.9 | 1421.0 | 1416.7 |
| 45°   | 5843.9 | 4401.1 | 1816.0 | 1452.5 | 1310.1 | 1220.8 | 1218.6 | 1245.8 | 1290.5 | 1316.5 | 1311.1 |
| 47.5° | 6654.6 | 4648.2 | 1721.3 | 1419.9 | 1232.8 | 1141.3 | 1145.7 | 1169.6 | 1209.9 | 1228.5 | 1220.8 |
| 50°   | 7711.1 | 4723.3 | 1673.4 | 1419.9 | 1191.5 | 1070.6 | 1092.4 | 1112.0 | 1142.5 | 1153.3 | 1143.6 |
| 52.5° | 8725.1 | 4475.2 | 1630.0 | 1428.6 | 1196.9 | 1010.9 | 1057.6 | 1071.7 | 1097.9 | 1102.2 | 1088.0 |
| 55°   | 9222.3 | 3847.3 | 1570.1 | 1430.8 | 1230.6 | 959.7  | 1029.3 | 1055.4 | 1065.2 | 1064.2 | 1040.2 |
| 57.5° | 9051.6 | 3110.8 | 1468.9 | 1422.1 | 1253.5 | 927.0  | 994.5  | 1044.6 | 1051.0 | 1041.3 | 996.7  |
| 60°   | 8452.0 | 2290.4 | 1391.6 | 1357.9 | 1244.8 | 917.3  | 941.2  | 1020.6 | 1030.4 | 1017.3 | 944.4  |
| 62.5° | 7446.6 | 1589.7 | 1331.8 | 1216.5 | 1206.6 | 914.0  | 857.4  | 968.4  | 992.3  | 973.9  | 867.2  |
| 65°   | 5862.5 | 1122.9 | 1146.8 | 1066.3 | 1123.9 | 896.6  | 770.4  | 905.3  | 937.9  | 909.6  | 759.4  |
| 67.5° | 3967.1 | 810.6  | 929.2  | 966.2  | 990.1  | 857.4  | 707.2  | 833.4  | 877.0  | 840.0  | 634.4  |
| 70°   | 2142.4 | 569.1  | 613.7  | 813.8  | 841.1  | 790.0  | 650.7  | 760.6  | 810.6  | 770.4  | 516.8  |
| 72.5° | 1265.4 | 409.1  | 429.8  | 653.9  | 700.7  | 695.3  | 587.5  | 675.7  | 736.6  | 688.7  | 419.9  |
| 75°   | 697.4  | 276.3  | 306.8  | 474.4  | 569.1  | 536.4  | 504.8  | 572.4  | 634.4  | 587.5  | 324.2  |
| 77.5° | 312.3  | 165.4  | 213.3  | 311.2  | 447.2  | 367.8  | 390.6  | 446.1  | 503.8  | 454.8  | 216.5  |
| 80°   | 120.7  | 92.5   | 141.4  | 169.7  | 325.3  | 203.5  | 251.3  | 328.6  | 369.9  | 330.8  | 131.6  |
| 82.5° | 15.3   | 41.3   | 60.9   | 66.4   | 189.3  | 107.7  | 145.8  | 206.7  | 203.5  | 176.3  | 66.4   |
| 85°   | 0.0    | 7.6    | 8.7    | 4.3    | 81.6   | 39.2   | 47.9   | 67.4   | 63.1   | 47.9   | 5.4    |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 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):**

|       | 195°   | 205°   | 215°   | 225°   | 235°   | 245°   | 255°   | 265°   | 270°   | 275°   | 285°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 |
| 2.5°  | 1905.2 | 1866.0 | 1846.4 | 1830.1 | 1845.3 | 1854.0 | 1854.0 | 1891.0 | 1912.9 | 1921.5 | 1982.5 |
| 5°    | 1678.8 | 1606.0 | 1557.0 | 1527.7 | 1537.4 | 1548.3 | 1560.3 | 1607.1 | 1638.6 | 1659.3 | 1754.0 |
| 7.5°  | 1500.4 | 1389.5 | 1320.9 | 1285.0 | 1290.5 | 1298.1 | 1307.8 | 1353.5 | 1385.1 | 1412.3 | 1517.8 |
| 10°   | 1412.3 | 1255.6 | 1165.3 | 1121.8 | 1114.2 | 1109.8 | 1106.6 | 1133.8 | 1157.7 | 1179.5 | 1283.9 |
| 12.5° | 1416.7 | 1197.9 | 1088.0 | 1034.7 | 1011.9 | 985.7  | 965.1  | 969.4  | 984.7  | 1011.9 | 1078.3 |
| 15°   | 1472.1 | 1179.5 | 1047.8 | 981.4  | 943.3  | 912.9  | 887.9  | 882.4  | 887.9  | 892.2  | 933.6  |
| 17.5° | 1547.2 | 1177.3 | 1013.0 | 930.3  | 891.1  | 866.1  | 843.3  | 835.6  | 836.7  | 842.1  | 853.0  |
| 20°   | 1607.1 | 1170.8 | 973.9  | 881.3  | 846.5  | 824.7  | 801.9  | 794.3  | 796.4  | 797.6  | 809.5  |
| 22.5° | 1638.6 | 1160.9 | 930.3  | 832.4  | 803.0  | 781.3  | 760.6  | 759.4  | 759.4  | 766.0  | 774.7  |
| 25°   | 1638.6 | 1140.3 | 891.1  | 785.6  | 759.4  | 739.8  | 714.8  | 719.2  | 721.4  | 730.1  | 743.1  |
| 27.5° | 1599.4 | 1101.2 | 859.6  | 745.3  | 718.1  | 698.5  | 675.7  | 681.1  | 684.4  | 694.1  | 710.5  |
| 30°   | 1549.4 | 1054.3 | 823.7  | 707.2  | 675.7  | 661.5  | 642.0  | 644.1  | 648.5  | 659.4  | 677.8  |
| 32.5° | 1496.1 | 998.9  | 794.3  | 669.1  | 637.7  | 626.7  | 605.0  | 608.2  | 612.5  | 624.5  | 645.2  |
| 35°   | 1437.4 | 933.6  | 759.4  | 634.4  | 602.8  | 594.1  | 569.1  | 571.2  | 577.8  | 590.8  | 611.5  |
| 37.5° | 1375.3 | 880.3  | 724.7  | 600.6  | 568.0  | 559.2  | 533.1  | 535.4  | 542.9  | 558.2  | 577.8  |
| 40°   | 1314.4 | 828.0  | 687.7  | 564.7  | 532.1  | 524.5  | 496.2  | 498.4  | 507.1  | 523.4  | 544.1  |
| 42.5° | 1248.0 | 787.7  | 639.8  | 527.7  | 492.9  | 485.2  | 459.2  | 462.4  | 472.2  | 488.5  | 509.2  |
| 45°   | 1168.6 | 761.7  | 586.5  | 492.9  | 453.8  | 446.1  | 422.2  | 428.7  | 439.6  | 455.9  | 477.6  |
| 47.5° | 1087.0 | 750.7  | 541.8  | 455.9  | 413.5  | 406.9  | 387.3  | 398.2  | 410.2  | 423.2  | 447.2  |
| 50°   | 1008.6 | 736.6  | 496.2  | 421.1  | 378.6  | 372.1  | 359.1  | 373.2  | 385.2  | 397.2  | 419.9  |
| 52.5° | 919.4  | 706.1  | 454.8  | 390.6  | 349.2  | 347.1  | 340.6  | 353.6  | 364.5  | 375.4  | 394.9  |
| 55°   | 827.0  | 657.2  | 418.9  | 363.4  | 324.2  | 326.5  | 323.2  | 334.0  | 342.8  | 352.5  | 369.9  |
| 57.5° | 746.4  | 595.2  | 390.6  | 334.0  | 302.5  | 309.0  | 304.6  | 310.1  | 315.5  | 327.5  | 341.6  |
| 60°   | 664.8  | 521.2  | 359.1  | 299.2  | 280.7  | 288.3  | 276.3  | 275.3  | 277.5  | 280.7  | 306.8  |
| 62.5° | 554.9  | 443.9  | 319.9  | 268.8  | 256.8  | 260.0  | 237.2  | 219.8  | 219.8  | 223.0  | 262.2  |
| 65°   | 446.1  | 372.1  | 276.3  | 233.9  | 224.2  | 221.9  | 189.3  | 165.4  | 163.2  | 173.0  | 206.7  |
| 67.5° | 366.6  | 309.0  | 232.9  | 194.7  | 188.2  | 190.4  | 166.5  | 142.6  | 140.3  | 151.3  | 176.3  |
| 70°   | 303.6  | 249.2  | 186.0  | 150.2  | 156.7  | 166.5  | 142.6  | 119.7  | 116.4  | 126.2  | 150.2  |
| 72.5° | 241.6  | 194.7  | 142.6  | 111.0  | 129.5  | 141.4  | 116.4  | 94.7   | 92.5   | 101.2  | 124.0  |
| 75°   | 177.3  | 139.3  | 96.9   | 80.6   | 100.1  | 111.0  | 84.9   | 67.4   | 64.2   | 71.9   | 94.7   |
| 77.5° | 109.9  | 78.3   | 60.9   | 47.9   | 68.6   | 74.0   | 44.6   | 39.2   | 38.1   | 43.6   | 59.9   |
| 80°   | 51.1   | 33.7   | 29.4   | 16.3   | 25.0   | 29.4   | 18.4   | 20.7   | 21.7   | 26.1   | 37.0   |
| 82.5° | 14.1   | 5.4    | 1.1    | 0.0    | 0.0    | 8.7    | 4.3    | 8.7    | 10.9   | 16.3   | 24.0   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 2.2    | 5.4    | 9.8    | 17.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 4.3    | 8.7    |
| 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: P964717

CATALOG NUMBER: NVN-SB3C-830-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 295°   | 305°   | 315°   | 325°   | 335°   | 345°   | 355°   | 360°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|
| 0°    | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0 | 2187.0  |
| 2.5°  | 2028.2 | 2071.6 | 2141.3 | 2213.1 | 2283.8 | 2355.7 | 2425.3 | 2450.3  |
| 5°    | 1839.9 | 1940.0 | 2078.2 | 2226.2 | 2378.5 | 2533.0 | 2674.4 | 2738.6  |
| 7.5°  | 1630.0 | 1773.6 | 1981.3 | 2213.1 | 2455.7 | 2698.4 | 2921.5 | 3024.8  |
| 10°   | 1405.8 | 1587.5 | 1824.7 | 2138.0 | 2486.2 | 2821.3 | 3128.2 | 3262.0  |
| 12.5° | 1192.5 | 1382.9 | 1645.1 | 2020.5 | 2462.3 | 2892.0 | 3260.9 | 3418.7  |
| 15°   | 1014.0 | 1182.7 | 1465.6 | 1881.3 | 2385.0 | 2896.4 | 3324.0 | 3497.0  |
| 17.5° | 880.3  | 990.1  | 1282.8 | 1726.7 | 2283.8 | 2856.2 | 3345.8 | 3530.7  |
| 20°   | 813.8  | 844.3  | 1045.6 | 1528.7 | 2189.2 | 2818.0 | 3367.5 | 3562.3  |
| 22.5° | 774.7  | 782.3  | 855.3  | 1273.0 | 2076.0 | 2806.1 | 3405.7 | 3605.8  |
| 25°   | 743.1  | 745.3  | 764.9  | 1008.6 | 1903.0 | 2798.5 | 3464.4 | 3665.7  |
| 27.5° | 711.6  | 711.6  | 722.4  | 812.8  | 1668.0 | 2765.9 | 3540.6 | 3737.5  |
| 30°   | 680.0  | 680.0  | 687.7  | 719.2  | 1392.7 | 2701.7 | 3632.0 | 3831.0  |
| 32.5° | 647.4  | 647.4  | 653.9  | 676.8  | 1112.0 | 2621.1 | 3715.7 | 3925.7  |
| 35°   | 614.8  | 612.5  | 621.3  | 645.2  | 884.6  | 2518.8 | 3799.5 | 4027.9  |
| 37.5° | 579.9  | 578.8  | 587.5  | 614.8  | 763.8  | 2400.2 | 3862.6 | 4167.2  |
| 40°   | 542.9  | 542.9  | 552.8  | 582.1  | 729.0  | 2251.2 | 3962.8 | 4367.4  |
| 42.5° | 509.2  | 507.1  | 517.9  | 553.8  | 702.8  | 2108.6 | 4142.2 | 4659.0  |
| 45°   | 476.5  | 472.2  | 482.1  | 526.6  | 657.2  | 2058.6 | 4477.4 | 5089.9  |
| 47.5° | 446.1  | 435.2  | 443.9  | 493.9  | 615.8  | 2245.8 | 5025.8 | 5687.3  |
| 50°   | 421.1  | 400.4  | 408.1  | 461.4  | 584.2  | 2651.6 | 5737.3 | 6480.5  |
| 52.5° | 394.9  | 367.8  | 372.1  | 421.1  | 556.0  | 3037.9 | 6508.7 | 7527.2  |
| 55°   | 367.8  | 337.3  | 339.5  | 380.8  | 515.8  | 3095.5 | 7261.7 | 8954.7  |
| 57.5° | 337.3  | 309.0  | 309.0  | 343.8  | 486.4  | 2683.1 | 7840.5 | 10726.1 |
| 60°   | 303.6  | 285.1  | 279.6  | 314.5  | 512.5  | 1893.2 | 7908.0 | 11868.6 |
| 62.5° | 266.6  | 256.8  | 249.2  | 286.2  | 532.1  | 1121.8 | 7365.0 | 11592.1 |
| 65°   | 224.2  | 221.9  | 216.5  | 314.5  | 448.2  | 662.7  | 6322.7 | 10744.6 |
| 67.5° | 188.2  | 185.0  | 185.0  | 329.6  | 340.6  | 416.8  | 4939.8 | 9578.2  |
| 70°   | 162.2  | 150.2  | 150.2  | 249.2  | 206.7  | 288.3  | 3449.1 | 8319.3  |
| 72.5° | 136.0  | 123.0  | 114.3  | 199.2  | 154.5  | 211.0  | 2155.5 | 7124.6  |
| 75°   | 108.9  | 99.0   | 88.1   | 131.6  | 115.3  | 159.9  | 1252.3 | 5902.7  |
| 77.5° | 78.3   | 74.0   | 62.0   | 96.9   | 83.7   | 115.3  | 745.3  | 4554.6  |
| 80°   | 40.3   | 41.3   | 39.2   | 55.5   | 56.6   | 78.3   | 424.4  | 3117.3  |
| 82.5° | 24.0   | 18.4   | 20.7   | 27.2   | 32.6   | 44.6   | 159.9  | 1832.3  |
| 85°   | 15.3   | 9.8    | 9.8    | 13.0   | 16.3   | 17.4   | 49.0   | 743.1   |
| 87.5° | 7.6    | 3.3    | 4.3    | 6.6    | 5.4    | 4.3    | 2.2    | 187.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     |

(END OF REPORT)