

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: P963973

Luminaire Tested: **NVN-SB3B-727-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P963973
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-SB3B-727-U-SLL-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2700K, 450mA 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: 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: B2 - U0 - G3

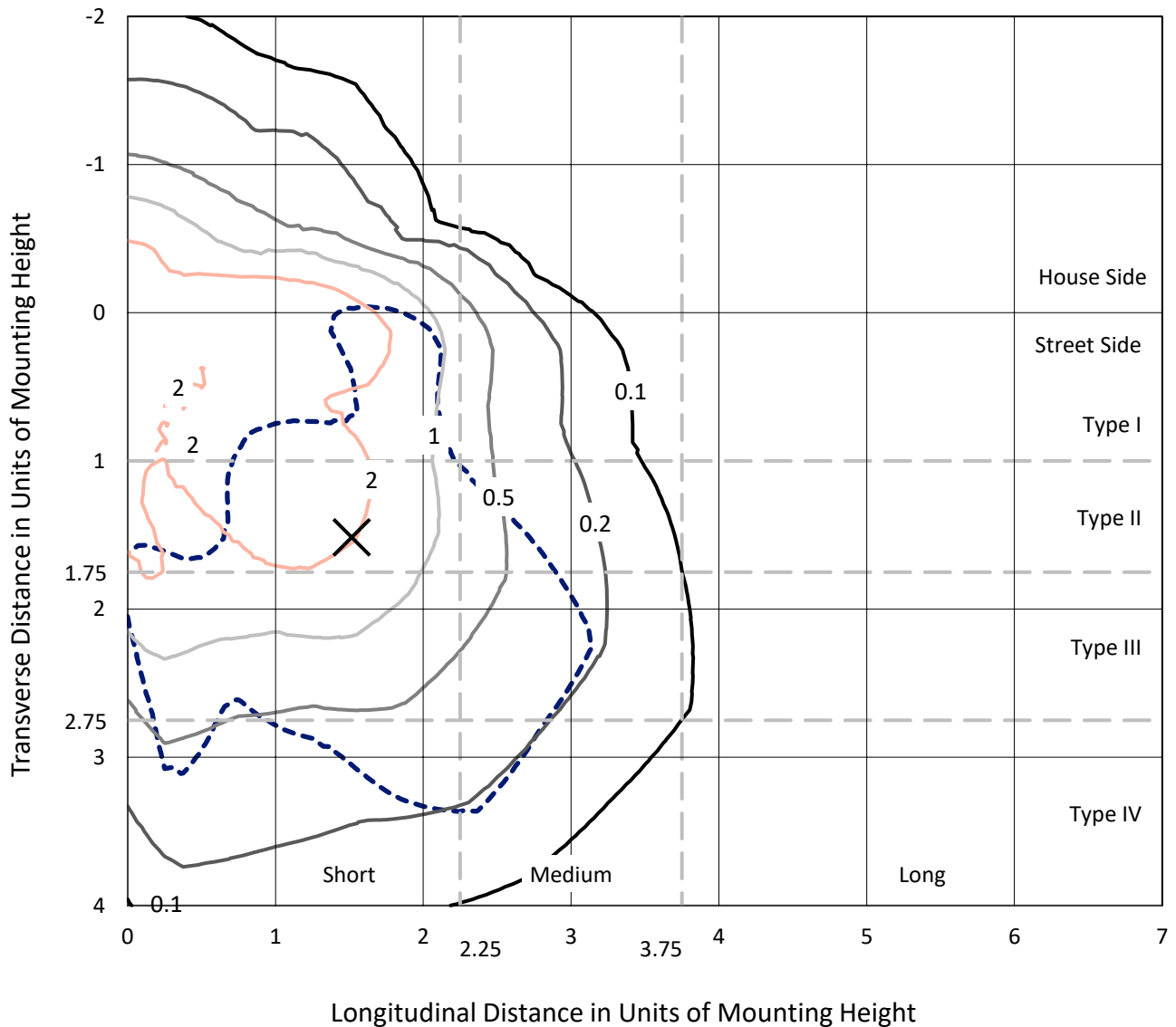
Input Watts (W): 109.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P963973
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Iso-Footcandle Lines of Horizontal Illumination

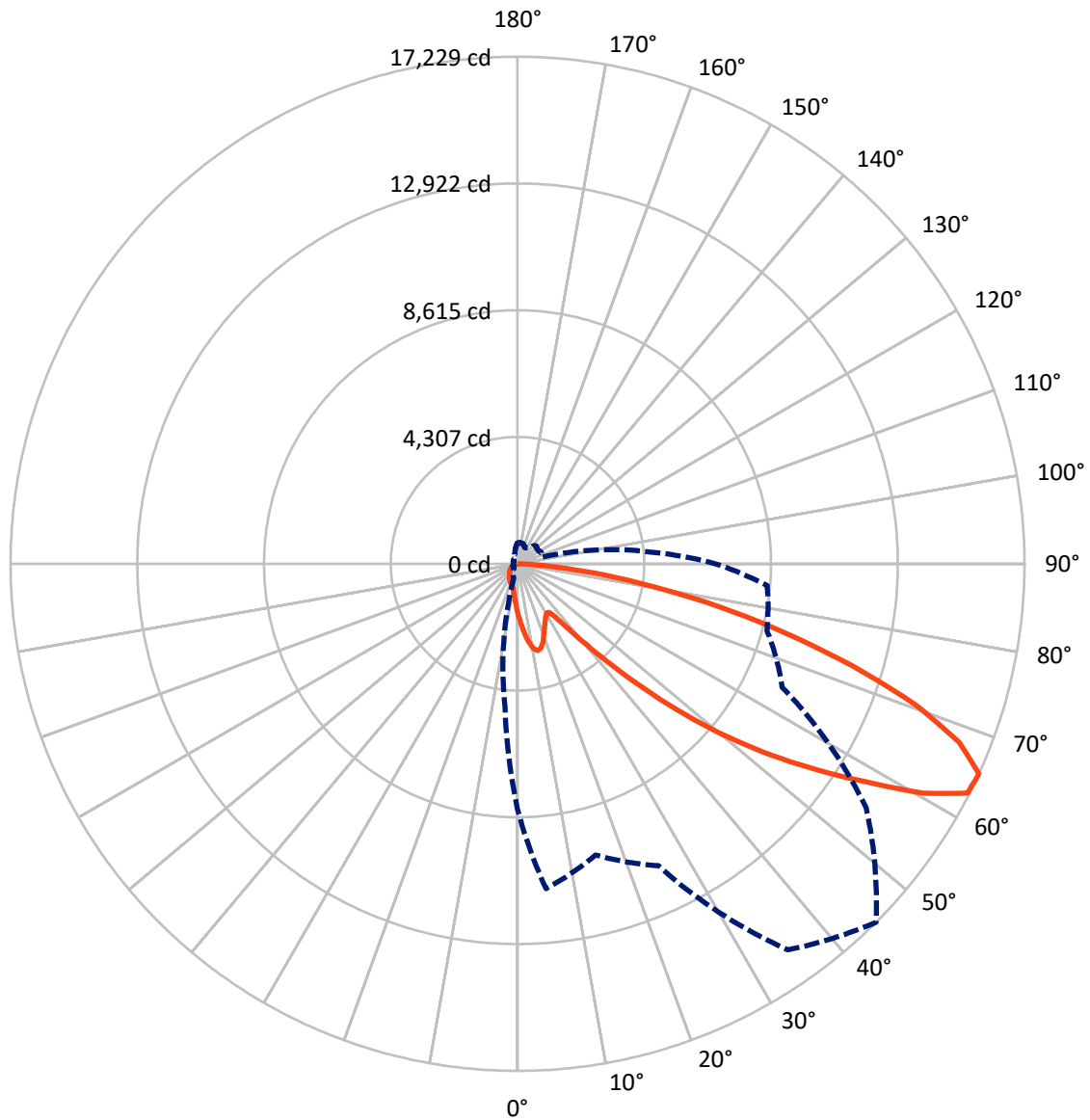
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.5 fc
 Type IV - Short - N/A

REPORT NUMBER: P963973
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2436.7 | 0.0 | 2436.7 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 9822.3 | 0.0 | 9822.3 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | 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



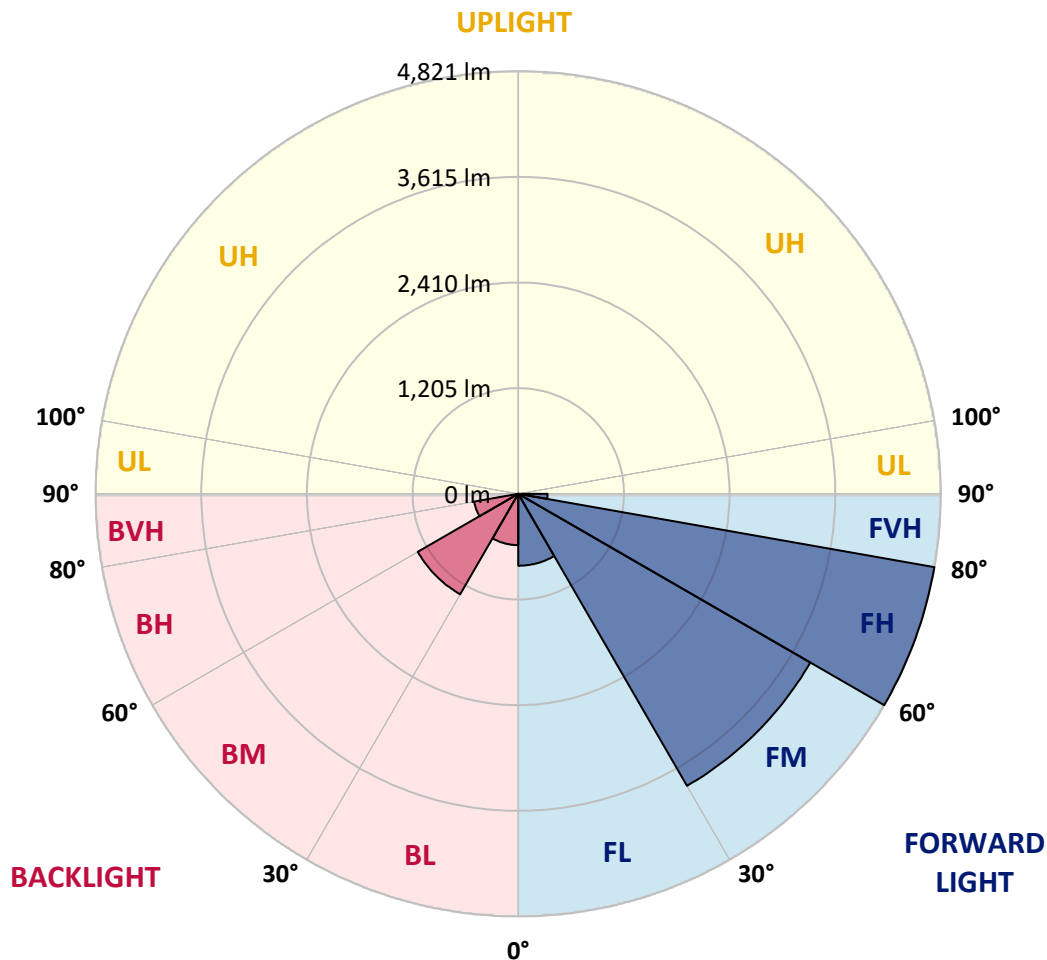
REPORT NUMBER: P963973
 CATALOG NUMBER: NVN-SB3B-727-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 820.3 | 6.7 | | | |
| FM (30°-60°) | 3847.0 | 31.4 | | | |
| FH (60°-80°) | 4820.6 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 334.4 | 2.7 | | | G3/500 |
| BL (0°-30°) | 585.9 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1323.9 | 10.8 | B2/2500 | | |
| BH (60°-80°) | 510.5 | 4.2 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 16.4 | 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



REPORT NUMBER: P963973
 CATALOG NUMBER: NVN-SB3B-727-U-SLL-HSS

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° | 1901.9 | 1916.2 | 1948.3 | 1965.2 | 1991.4 | 1993.0 | 1993.0 | 1970.3 | 1969.4 | 1923.0 | 1917.9 |
| 5° | 2125.6 | 2159.5 | 2235.4 | 2313.9 | 2330.8 | 2335.1 | 2326.6 | 2281.0 | 2247.2 | 2156.9 | 2137.4 |
| 7.5° | 2347.8 | 2412.7 | 2528.5 | 2633.2 | 2666.9 | 2666.9 | 2646.8 | 2572.4 | 2503.2 | 2372.3 | 2323.3 |
| 10° | 2531.9 | 2613.8 | 2770.9 | 2888.2 | 2927.1 | 2918.7 | 2877.3 | 2783.5 | 2688.1 | 2529.3 | 2465.1 |
| 12.5° | 2653.5 | 2745.6 | 2917.8 | 3012.4 | 3052.0 | 3030.1 | 2982.9 | 2891.6 | 2791.2 | 2623.9 | 2551.3 |
| 15° | 2714.3 | 2810.5 | 2960.0 | 3009.8 | 2998.8 | 2976.1 | 2970.1 | 2926.3 | 2850.2 | 2694.0 | 2614.7 |
| 17.5° | 2740.4 | 2830.0 | 2933.9 | 2902.6 | 2809.7 | 2792.0 | 2851.1 | 2906.8 | 2888.2 | 2754.8 | 2680.5 |
| 20° | 2764.9 | 2840.1 | 2871.3 | 2732.9 | 2570.7 | 2554.7 | 2667.9 | 2826.6 | 2907.7 | 2811.4 | 2743.0 |
| 22.5° | 2798.8 | 2845.2 | 2781.0 | 2553.8 | 2379.0 | 2341.8 | 2466.9 | 2705.8 | 2913.6 | 2883.2 | 2814.8 |
| 25° | 2845.2 | 2857.8 | 2681.3 | 2384.0 | 2208.4 | 2171.3 | 2287.8 | 2571.5 | 2903.4 | 2960.9 | 2902.6 |
| 27.5° | 2901.0 | 2874.7 | 2585.9 | 2242.2 | 2072.4 | 2037.8 | 2154.3 | 2442.4 | 2874.7 | 3038.6 | 2997.2 |
| 30° | 2973.5 | 2896.6 | 2491.4 | 2132.4 | 1975.3 | 1950.0 | 2062.3 | 2330.8 | 2839.2 | 3137.4 | 3114.6 |
| 32.5° | 3047.0 | 2906.0 | 2403.5 | 2068.2 | 1953.3 | 1962.7 | 2054.7 | 2270.9 | 2800.4 | 3231.9 | 3242.9 |
| 35° | 3126.4 | 2935.5 | 2360.5 | 2131.6 | 2136.6 | 2217.7 | 2255.7 | 2326.6 | 2794.5 | 3360.4 | 3403.4 |
| 37.5° | 3234.5 | 3001.4 | 2411.9 | 2446.6 | 2622.3 | 2790.3 | 2759.0 | 2599.4 | 2862.9 | 3552.0 | 3632.3 |
| 40° | 3389.9 | 3117.1 | 2636.6 | 2982.9 | 3343.4 | 3616.2 | 3497.1 | 3095.2 | 3072.3 | 3828.2 | 3948.1 |
| 42.5° | 3616.2 | 3301.2 | 3035.2 | 3638.1 | 4249.6 | 4698.9 | 4379.6 | 3734.5 | 3438.9 | 4222.6 | 4375.4 |
| 45° | 3950.7 | 3599.3 | 3517.4 | 4329.8 | 5366.9 | 6074.6 | 5410.8 | 4416.0 | 3952.3 | 4819.7 | 4939.6 |
| 47.5° | 4414.3 | 4037.7 | 3969.2 | 5058.7 | 6724.9 | 7640.4 | 6554.3 | 5047.7 | 4536.8 | 5633.8 | 5661.7 |
| 50° | 5030.0 | 4628.0 | 4397.4 | 5855.9 | 8213.7 | 9236.5 | 7696.9 | 5657.4 | 5206.5 | 6628.6 | 6596.5 |
| 52.5° | 5842.4 | 5451.4 | 4896.5 | 6615.1 | 9744.9 | 10798.9 | 8844.6 | 6192.8 | 6037.5 | 7783.0 | 7717.2 |
| 55° | 6950.4 | 6690.3 | 5578.9 | 7339.7 | 11275.1 | 12370.5 | 9947.5 | 6697.9 | 7135.3 | 9154.6 | 8756.0 |
| 57.5° | 8325.3 | 8511.1 | 6562.8 | 8180.0 | 12650.9 | 13990.2 | 11055.5 | 7403.9 | 8560.9 | 10688.2 | 9359.0 |
| 60° | 9212.0 | 10932.2 | 8446.8 | 9422.3 | 14214.1 | 15822.0 | 12574.0 | 8746.6 | 10059.0 | 11238.0 | 9244.1 |
| 62.5° | 8997.4 | 11702.4 | 10703.5 | 11008.3 | 15651.4 | 17153.8 | 14062.1 | 10095.3 | 10341.1 | 10428.1 | 8359.1 |
| 65° | 8339.6 | 11080.9 | 10243.1 | 11316.5 | 16015.4 | 17229.0 | 14459.8 | 9921.4 | 8771.9 | 8513.5 | 6719.0 |
| 67.5° | 7434.3 | 10343.7 | 9149.5 | 10499.1 | 15357.6 | 16178.4 | 13719.2 | 8776.3 | 6778.9 | 6388.7 | 4874.6 |
| 70° | 6457.2 | 9527.9 | 8431.6 | 9581.9 | 14103.4 | 14347.5 | 12460.0 | 7718.9 | 4986.0 | 4314.6 | 3128.1 |
| 72.5° | 5529.9 | 8678.3 | 7940.2 | 8642.0 | 12430.5 | 11925.5 | 10820.8 | 6784.0 | 3630.6 | 3112.0 | 2223.6 |
| 75° | 4581.5 | 7425.0 | 7240.1 | 7525.4 | 10230.5 | 9393.6 | 8990.7 | 5616.9 | 2849.4 | 2251.5 | 1534.5 |
| 77.5° | 3535.1 | 5801.8 | 6227.5 | 6026.5 | 7201.2 | 6977.4 | 6969.0 | 4220.8 | 2081.8 | 1502.4 | 961.9 |
| 80° | 2419.5 | 4043.5 | 4865.3 | 4251.3 | 4673.6 | 4559.5 | 5248.7 | 2831.7 | 1510.0 | 904.5 | 535.5 |
| 82.5° | 1422.2 | 2461.7 | 3386.5 | 2058.1 | 2584.2 | 2652.6 | 3125.5 | 1377.4 | 888.5 | 208.6 | 116.5 |
| 85° | 576.8 | 972.0 | 1324.2 | 805.6 | 1246.5 | 1051.4 | 1186.5 | 386.8 | 247.4 | 5.0 | 0.0 |
| 87.5° | 145.2 | 310.8 | 217.9 | 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 | 0.0 | 0.0 | 0.0 |

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 CATALOG NUMBER: NVN-SB3B-727-U-SLL-HSS

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° | 1885.0 | 1865.5 | 1817.4 | 1769.3 | 1730.4 | 1678.0 | 1643.4 | 1602.1 | 1562.4 | 1526.8 | 1520.2 |
| 5° | 2084.2 | 2020.1 | 1932.2 | 1852.1 | 1770.1 | 1690.7 | 1612.2 | 1529.4 | 1453.4 | 1406.9 | 1377.4 |
| 7.5° | 2246.4 | 2133.2 | 2016.7 | 1914.5 | 1815.7 | 1722.8 | 1619.0 | 1518.4 | 1399.3 | 1336.0 | 1278.6 |
| 10° | 2367.1 | 2218.5 | 2065.7 | 1948.3 | 1848.7 | 1758.3 | 1670.4 | 1569.1 | 1425.6 | 1346.1 | 1260.0 |
| 12.5° | 2446.6 | 2270.1 | 2091.0 | 1956.7 | 1845.3 | 1775.2 | 1736.4 | 1696.7 | 1553.9 | 1461.0 | 1336.0 |
| 15° | 2501.4 | 2306.4 | 2108.7 | 1937.4 | 1800.5 | 1749.0 | 1787.8 | 1833.4 | 1742.2 | 1635.0 | 1472.0 |
| 17.5° | 2561.4 | 2353.7 | 2116.3 | 1885.0 | 1713.5 | 1691.6 | 1792.1 | 1897.6 | 1893.4 | 1787.0 | 1627.4 |
| 20° | 2624.7 | 2395.0 | 2111.3 | 1800.5 | 1607.9 | 1627.4 | 1755.7 | 1878.2 | 1929.8 | 1872.3 | 1730.4 |
| 22.5° | 2689.8 | 2434.8 | 2091.8 | 1690.7 | 1509.1 | 1570.0 | 1698.3 | 1805.5 | 1866.4 | 1848.7 | 1740.6 |
| 25° | 2771.7 | 2490.4 | 2063.1 | 1572.5 | 1427.2 | 1511.7 | 1631.6 | 1718.6 | 1760.8 | 1759.9 | 1685.6 |
| 27.5° | 2869.7 | 2564.8 | 2048.0 | 1477.0 | 1369.0 | 1445.8 | 1552.3 | 1630.0 | 1659.5 | 1659.5 | 1600.3 |
| 30° | 2983.7 | 2652.6 | 2031.0 | 1414.6 | 1335.2 | 1377.4 | 1460.2 | 1536.2 | 1565.7 | 1565.7 | 1515.9 |
| 32.5° | 3110.4 | 2737.1 | 1990.5 | 1376.6 | 1309.8 | 1310.7 | 1363.0 | 1432.3 | 1467.8 | 1472.8 | 1437.4 |
| 35° | 3262.4 | 2827.5 | 1901.9 | 1346.1 | 1280.3 | 1245.7 | 1271.0 | 1328.4 | 1370.6 | 1381.6 | 1359.7 |
| 37.5° | 3461.6 | 2938.1 | 1775.2 | 1301.4 | 1234.7 | 1177.2 | 1183.2 | 1227.1 | 1273.6 | 1290.4 | 1276.0 |
| 40° | 3729.4 | 3068.1 | 1643.4 | 1237.2 | 1170.6 | 1102.1 | 1099.5 | 1131.7 | 1177.2 | 1195.9 | 1188.3 |
| 42.5° | 4083.2 | 3224.3 | 1517.6 | 1175.6 | 1092.9 | 1022.7 | 1018.4 | 1043.9 | 1083.5 | 1102.9 | 1099.5 |
| 45° | 4535.9 | 3416.1 | 1409.5 | 1127.4 | 1016.8 | 947.5 | 945.9 | 967.0 | 1001.6 | 1021.8 | 1017.6 |
| 47.5° | 5165.1 | 3607.8 | 1336.0 | 1102.1 | 956.8 | 885.9 | 889.3 | 907.8 | 939.1 | 953.5 | 947.5 |
| 50° | 5985.1 | 3666.0 | 1298.9 | 1102.1 | 924.8 | 831.0 | 847.9 | 863.0 | 886.7 | 895.2 | 887.5 |
| 52.5° | 6772.2 | 3473.5 | 1265.1 | 1108.8 | 929.0 | 784.5 | 820.8 | 831.9 | 852.1 | 855.5 | 844.5 |
| 55° | 7158.1 | 2986.2 | 1218.6 | 1110.6 | 955.2 | 744.9 | 798.9 | 819.2 | 826.8 | 825.9 | 807.4 |
| 57.5° | 7025.6 | 2414.5 | 1140.1 | 1103.8 | 972.9 | 719.6 | 771.9 | 810.8 | 815.8 | 808.2 | 773.6 |
| 60° | 6560.2 | 1777.7 | 1080.1 | 1054.0 | 966.2 | 712.0 | 730.5 | 792.1 | 799.8 | 789.7 | 733.1 |
| 62.5° | 5779.9 | 1233.8 | 1033.7 | 944.1 | 936.5 | 709.4 | 665.4 | 751.6 | 770.2 | 755.8 | 673.1 |
| 65° | 4550.3 | 871.6 | 890.1 | 827.6 | 872.4 | 695.9 | 597.9 | 702.6 | 728.0 | 706.0 | 589.5 |
| 67.5° | 3079.1 | 629.1 | 721.2 | 749.9 | 768.5 | 665.4 | 548.9 | 646.9 | 680.7 | 652.0 | 492.3 |
| 70° | 1662.9 | 441.7 | 476.3 | 631.7 | 652.8 | 613.2 | 505.0 | 590.3 | 629.1 | 597.9 | 401.2 |
| 72.5° | 982.2 | 317.5 | 333.5 | 507.6 | 543.9 | 539.7 | 456.0 | 524.5 | 571.7 | 534.5 | 326.0 |
| 75° | 541.3 | 214.5 | 238.1 | 368.2 | 441.7 | 416.4 | 391.9 | 444.2 | 492.3 | 456.0 | 251.6 |
| 77.5° | 242.4 | 128.3 | 165.5 | 241.5 | 347.1 | 285.5 | 303.2 | 346.2 | 391.0 | 353.0 | 168.1 |
| 80° | 93.8 | 71.8 | 109.8 | 131.7 | 252.6 | 158.0 | 195.1 | 255.0 | 287.1 | 256.8 | 102.2 |
| 82.5° | 11.8 | 32.1 | 47.3 | 51.6 | 147.0 | 83.6 | 113.2 | 160.4 | 158.0 | 136.8 | 51.6 |
| 85° | 0.0 | 5.9 | 6.8 | 3.4 | 63.3 | 30.4 | 37.2 | 52.4 | 49.0 | 37.2 | 4.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 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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 CATALOG NUMBER: NVN-SB3B-727-U-SLL-HSS

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° | 1478.8 | 1448.3 | 1433.2 | 1420.4 | 1432.3 | 1439.1 | 1439.1 | 1467.8 | 1484.6 | 1491.4 | 1538.7 |
| 5° | 1303.1 | 1246.5 | 1208.5 | 1185.7 | 1193.3 | 1201.7 | 1211.0 | 1247.3 | 1271.8 | 1287.9 | 1361.4 |
| 7.5° | 1164.6 | 1078.4 | 1025.2 | 997.3 | 1001.6 | 1007.5 | 1015.2 | 1050.6 | 1075.0 | 1096.1 | 1178.1 |
| 10° | 1096.1 | 974.6 | 904.5 | 870.7 | 864.8 | 861.4 | 858.8 | 880.0 | 898.5 | 915.4 | 996.5 |
| 12.5° | 1099.5 | 929.8 | 844.5 | 803.1 | 785.4 | 765.2 | 749.1 | 752.5 | 764.2 | 785.4 | 836.9 |
| 15° | 1142.7 | 915.4 | 813.2 | 761.8 | 732.2 | 708.6 | 689.1 | 684.9 | 689.1 | 692.5 | 724.6 |
| 17.5° | 1200.9 | 913.8 | 786.3 | 722.1 | 691.7 | 672.2 | 654.5 | 648.6 | 649.4 | 653.6 | 662.2 |
| 20° | 1247.3 | 908.7 | 755.8 | 684.1 | 657.0 | 640.1 | 622.4 | 616.5 | 618.2 | 619.0 | 628.3 |
| 22.5° | 1271.8 | 901.1 | 722.1 | 646.1 | 623.3 | 606.4 | 590.3 | 589.5 | 589.5 | 594.5 | 601.3 |
| 25° | 1271.8 | 885.1 | 691.7 | 609.8 | 589.5 | 574.3 | 554.8 | 558.2 | 560.0 | 566.6 | 576.8 |
| 27.5° | 1241.5 | 854.6 | 667.2 | 578.5 | 557.4 | 542.2 | 524.5 | 528.7 | 531.2 | 538.8 | 551.4 |
| 30° | 1202.6 | 818.4 | 639.3 | 548.9 | 524.5 | 513.4 | 498.3 | 500.0 | 503.4 | 511.8 | 526.1 |
| 32.5° | 1161.2 | 775.3 | 616.5 | 519.4 | 494.9 | 486.5 | 469.6 | 472.1 | 475.5 | 484.7 | 500.8 |
| 35° | 1115.6 | 724.6 | 589.5 | 492.3 | 467.9 | 461.1 | 441.7 | 443.4 | 448.4 | 458.6 | 474.6 |
| 37.5° | 1067.4 | 683.3 | 562.4 | 466.2 | 440.9 | 434.1 | 413.8 | 415.5 | 421.4 | 433.3 | 448.4 |
| 40° | 1020.2 | 642.7 | 533.7 | 438.3 | 413.0 | 407.0 | 385.1 | 386.8 | 393.5 | 406.2 | 422.3 |
| 42.5° | 968.6 | 611.4 | 496.6 | 409.6 | 382.5 | 376.7 | 356.4 | 359.0 | 366.5 | 379.1 | 395.2 |
| 45° | 907.0 | 591.1 | 455.2 | 382.5 | 352.2 | 346.2 | 327.7 | 332.7 | 341.2 | 353.8 | 370.7 |
| 47.5° | 843.7 | 582.7 | 420.6 | 353.8 | 320.9 | 315.8 | 300.6 | 309.1 | 318.4 | 328.5 | 347.1 |
| 50° | 782.9 | 571.7 | 385.1 | 326.9 | 293.9 | 288.8 | 278.7 | 289.7 | 299.0 | 308.2 | 326.0 |
| 52.5° | 713.6 | 548.1 | 353.0 | 303.2 | 271.1 | 269.4 | 264.3 | 274.5 | 282.9 | 291.4 | 306.6 |
| 55° | 641.9 | 510.0 | 325.1 | 282.1 | 251.6 | 253.4 | 250.8 | 259.2 | 266.0 | 273.6 | 287.1 |
| 57.5° | 579.3 | 462.0 | 303.2 | 259.2 | 234.7 | 239.8 | 236.5 | 240.7 | 244.9 | 254.2 | 265.2 |
| 60° | 516.0 | 404.6 | 278.7 | 232.3 | 217.9 | 223.8 | 214.5 | 213.7 | 215.4 | 217.9 | 238.1 |
| 62.5° | 430.7 | 344.6 | 248.3 | 208.6 | 199.3 | 201.8 | 184.1 | 170.6 | 170.6 | 173.1 | 203.6 |
| 65° | 346.2 | 288.8 | 214.5 | 181.5 | 173.9 | 172.3 | 147.0 | 128.3 | 126.7 | 134.3 | 160.4 |
| 67.5° | 284.6 | 239.8 | 180.7 | 151.2 | 146.1 | 147.8 | 129.3 | 110.6 | 109.0 | 117.4 | 136.8 |
| 70° | 235.6 | 193.4 | 144.4 | 116.5 | 121.6 | 129.3 | 110.6 | 92.9 | 90.4 | 98.0 | 116.5 |
| 72.5° | 187.5 | 151.2 | 110.6 | 86.1 | 100.4 | 109.8 | 90.4 | 73.5 | 71.8 | 78.5 | 96.2 |
| 75° | 137.7 | 108.1 | 75.1 | 62.5 | 77.7 | 86.1 | 65.9 | 52.4 | 49.8 | 55.8 | 73.5 |
| 77.5° | 85.3 | 60.8 | 47.3 | 37.2 | 53.2 | 57.4 | 34.6 | 30.4 | 29.5 | 33.8 | 46.4 |
| 80° | 39.7 | 26.1 | 22.8 | 12.7 | 19.5 | 22.8 | 14.3 | 16.1 | 16.9 | 20.3 | 28.7 |
| 82.5° | 11.0 | 4.2 | 0.8 | 0.0 | 0.0 | 6.8 | 3.4 | 6.8 | 8.4 | 12.7 | 18.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.2 | 7.6 | 13.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.4 | 6.8 |
| 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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| 32.5° | 502.5 | 502.5 | 507.6 | 525.3 | 863.0 | 2034.4 | 2884.0 | 3047.0 |
| 35° | 477.1 | 475.5 | 482.3 | 500.8 | 686.5 | 1955.1 | 2949.0 | 3126.4 |
| 37.5° | 450.1 | 449.3 | 456.0 | 477.1 | 592.9 | 1863.0 | 2998.0 | 3234.5 |
| 40° | 421.4 | 421.4 | 429.1 | 451.8 | 565.8 | 1747.3 | 3075.7 | 3389.9 |
| 42.5° | 395.2 | 393.5 | 402.0 | 429.9 | 545.6 | 1636.7 | 3215.1 | 3616.2 |
| 45° | 369.9 | 366.5 | 374.1 | 408.8 | 510.0 | 1597.9 | 3475.2 | 3950.7 |
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| 55° | 285.5 | 261.8 | 263.5 | 295.6 | 400.3 | 2402.6 | 5636.3 | 6950.4 |
| 57.5° | 261.8 | 239.8 | 239.8 | 266.9 | 377.5 | 2082.6 | 6085.6 | 8325.3 |
| 60° | 235.6 | 221.3 | 217.0 | 244.1 | 397.8 | 1469.4 | 6137.9 | 9212.0 |
| 62.5° | 206.9 | 199.3 | 193.4 | 222.1 | 413.0 | 870.7 | 5716.5 | 8997.4 |
| 65° | 173.9 | 172.3 | 168.1 | 244.1 | 348.0 | 514.3 | 4907.5 | 8339.6 |
| 67.5° | 146.1 | 143.6 | 143.6 | 255.8 | 264.3 | 323.5 | 3834.1 | 7434.3 |
| 70° | 125.9 | 116.5 | 116.5 | 193.4 | 160.4 | 223.8 | 2677.1 | 6457.2 |
| 72.5° | 105.6 | 95.4 | 88.7 | 154.6 | 119.9 | 163.8 | 1673.0 | 5529.9 |
| 75° | 84.5 | 76.9 | 68.4 | 102.2 | 89.5 | 124.1 | 972.0 | 4581.5 |
| 77.5° | 60.8 | 57.4 | 48.2 | 75.1 | 65.0 | 89.5 | 578.5 | 3535.1 |
| 80° | 31.3 | 32.1 | 30.4 | 43.0 | 43.9 | 60.8 | 329.3 | 2419.5 |
| 82.5° | 18.6 | 14.3 | 16.1 | 21.1 | 25.3 | 34.6 | 124.1 | 1422.2 |
| 85° | 11.8 | 7.6 | 7.6 | 10.1 | 12.7 | 13.5 | 38.0 | 576.8 |
| 87.5° | 5.9 | 2.6 | 3.4 | 5.0 | 4.2 | 3.4 | 1.6 | 145.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)