

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: P971524

Luminaire Tested: **NVN-SB6D-760-U-T4W**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P971524  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB6D-760-U-T4W  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 66786.9 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5  
  
Input Watts (W): 440.1  
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

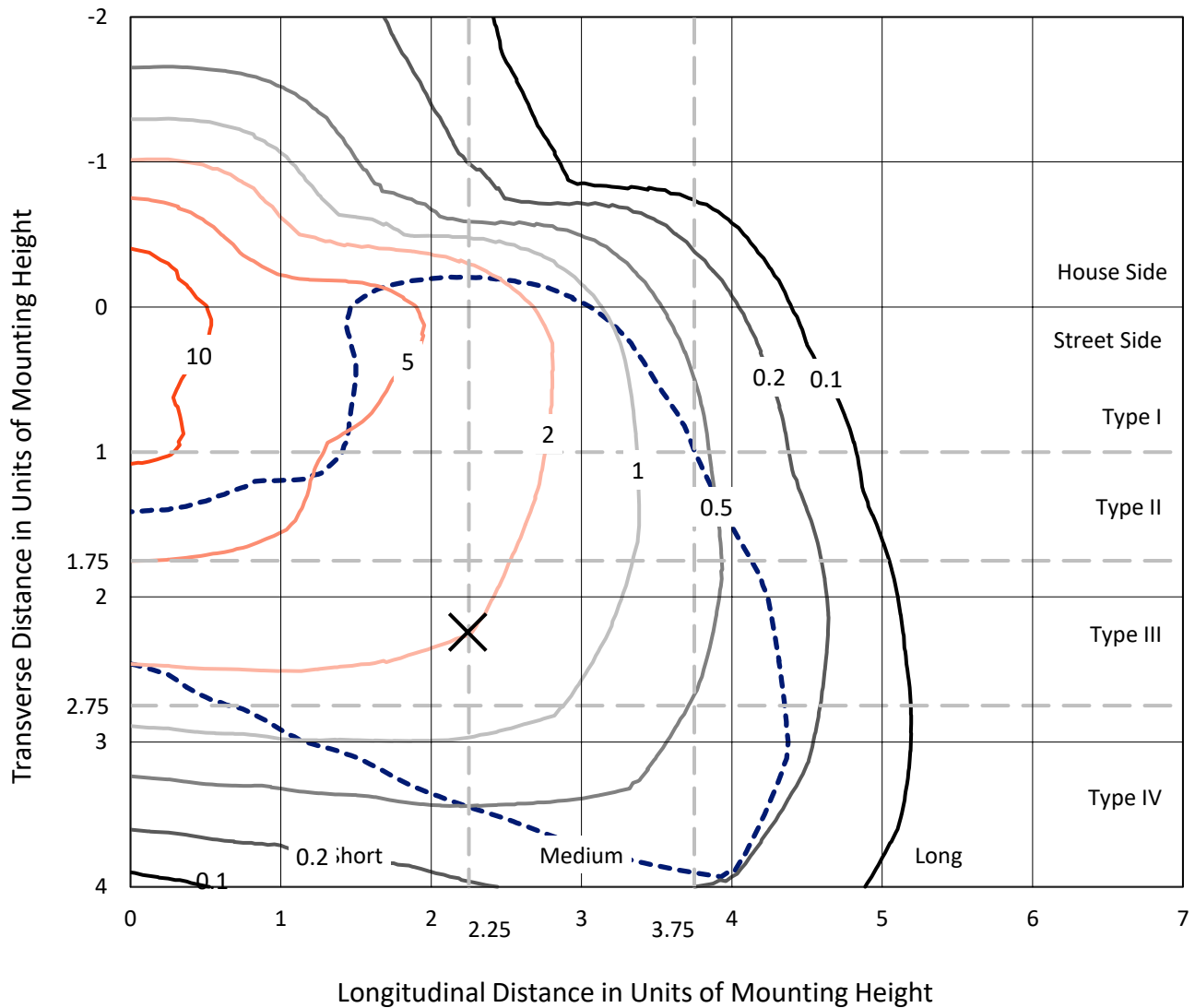


REPORT NUMBER: P971524

CATALOG NUMBER: NVN-SB6D-760-U-T4W

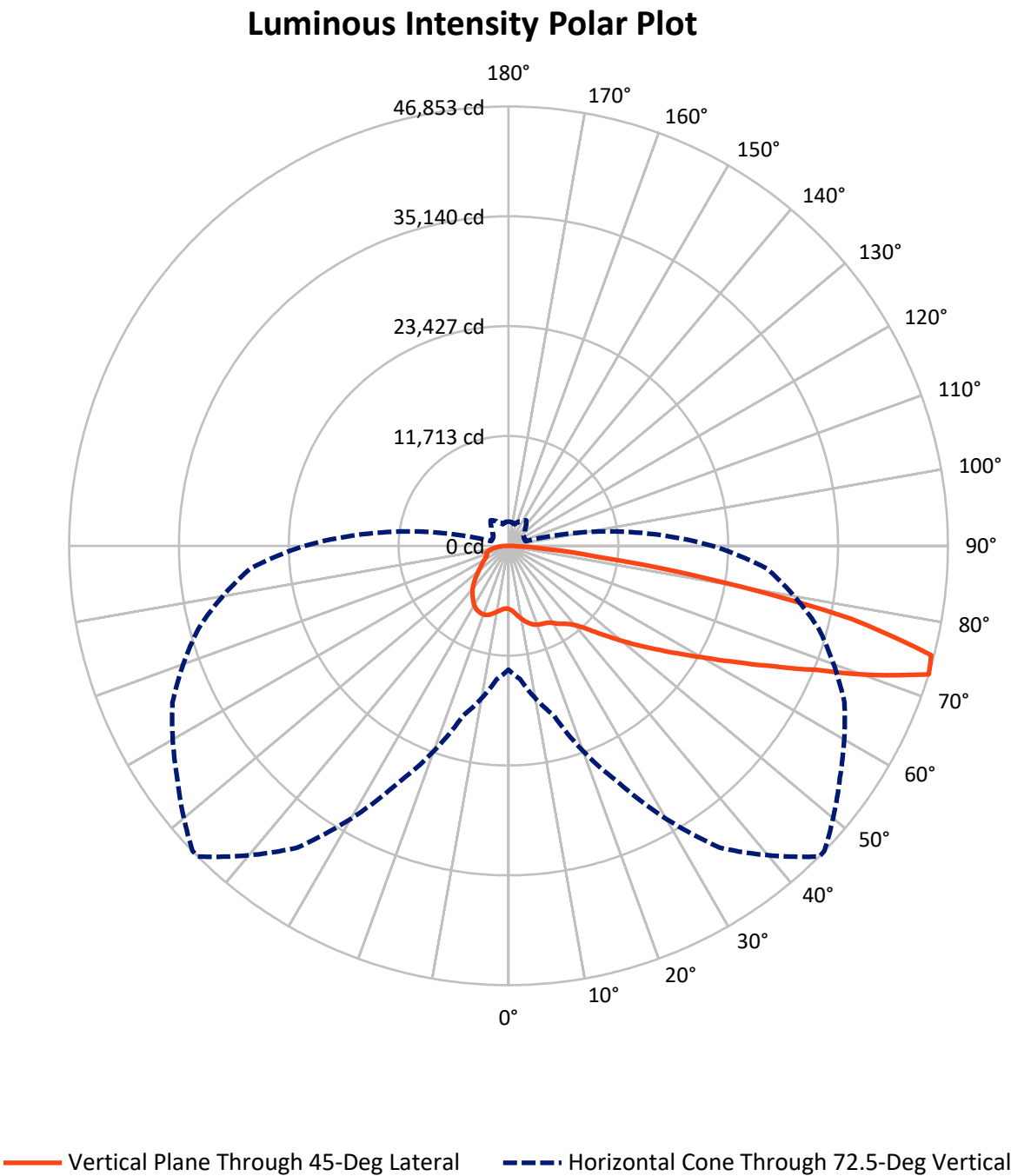
## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type IV - Short - N/A

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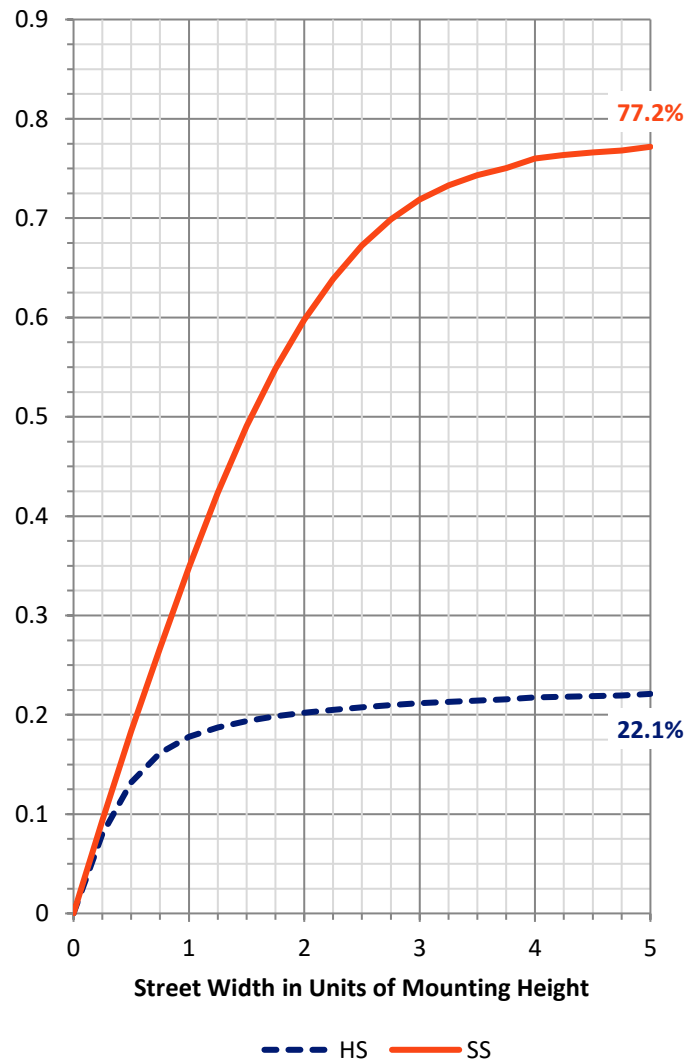
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15098.2  | 0.0    | 15098.2 |
|                    | % Fixture | 22.6     | 0.0    | 22.6    |
| <b>Street Side</b> | Lumens    | 51688.7  | 0.0    | 51688.7 |
|                    | % Fixture | 77.4     | 0.0    | 77.4    |
| <b>Total</b>       | Lumens    | 66786.9  | 0.0    | 66786.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 685.7   | 1.0       |
| 10°-20°   | 2286.4  | 3.4       |
| 20°-30°   | 3977.3  | 6.0       |
| 30°-40°   | 5701.6  | 8.5       |
| 40°-50°   | 8028.2  | 12.0      |
| 50°-60°   | 12296.9 | 18.4      |
| 60°-70°   | 17813.8 | 26.7      |
| 70°-80°   | 14225.4 | 21.3      |
| 80°-90°   | 1771.7  | 2.7       |
| 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°    | 66786.9 | 100.0     |
| 0°-180°   | 66786.9 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P971524

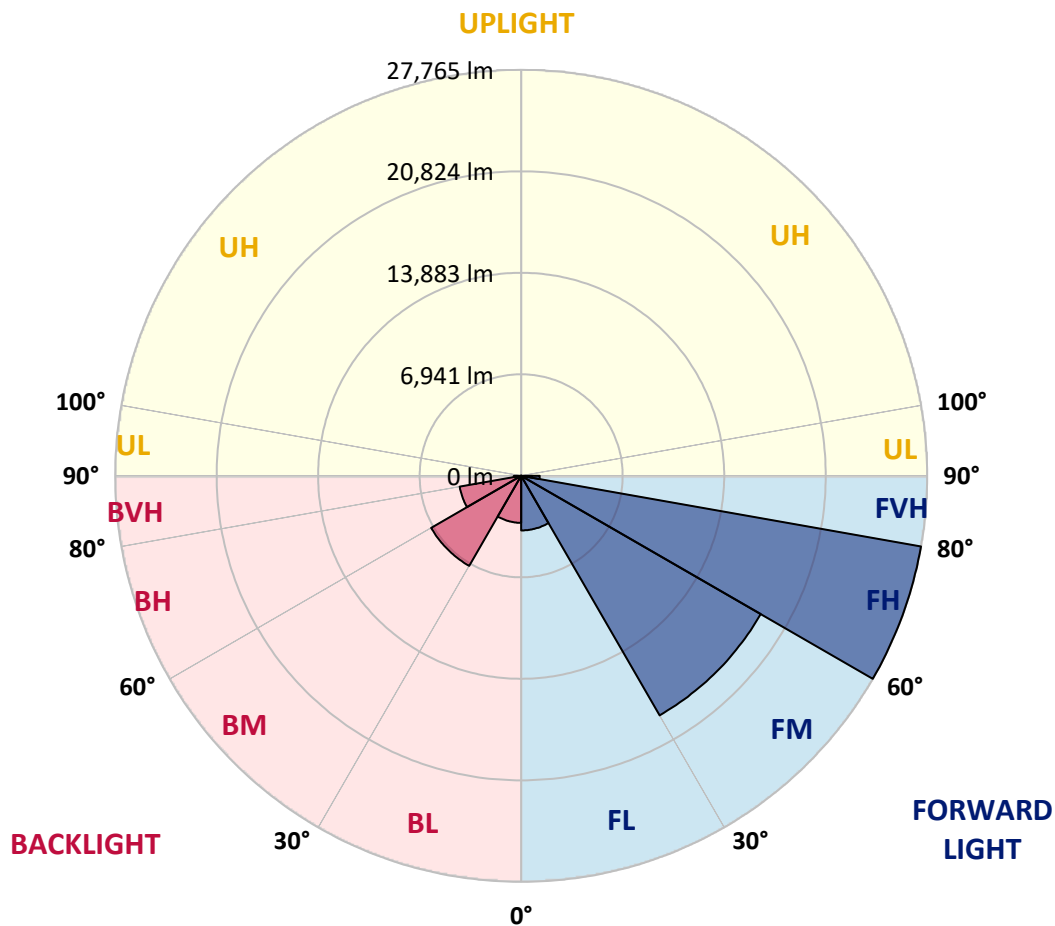
CATALOG NUMBER: NVN-SB6D-760-U-T4W

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3734.8  | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 18917.5 | 28.3      |                         |      |         |
| FH   | (60°-80°)   | 27765.3 | 41.6      |                         |      | G5      |
| FVH  | (80°-90°)   | 1271.1  | 1.9       |                         |      | G5      |
| BL   | (0°-30°)    | 3214.5  | 4.8       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 7109.1  | 10.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 4273.9  | 6.4       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 500.7   | 0.7       |                         |      | G4/750  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type IV Short



REPORT NUMBER: P971524

CATALOG NUMBER: NVN-SB6D-760-U-T4W

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 46°     | 55°     | 65°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  | 6737.5  |
| 2.5°  | 7001.4  | 7047.1  | 7004.8  | 6966.2  | 6948.6  | 6902.9  | 6899.4  | 6871.2  | 6853.6  | 6804.4  | 6790.3  |
| 5°    | 7490.4  | 7550.3  | 7479.8  | 7402.4  | 7332.1  | 7219.5  | 7205.4  | 7124.5  | 7033.0  | 6927.5  | 6867.7  |
| 7.5°  | 8042.8  | 8095.6  | 8014.7  | 7898.5  | 7775.4  | 7588.9  | 7585.4  | 7437.6  | 7293.4  | 7113.9  | 7011.9  |
| 10°   | 8524.8  | 8595.1  | 8486.1  | 8327.7  | 8172.9  | 7961.9  | 7937.2  | 7768.4  | 7585.4  | 7353.2  | 7198.4  |
| 12.5° | 8950.5  | 8999.8  | 8894.2  | 8700.7  | 8521.2  | 8310.2  | 8278.5  | 8092.1  | 7888.0  | 7624.2  | 7427.0  |
| 15°   | 9288.2  | 9351.6  | 9210.9  | 9003.3  | 8813.3  | 8605.7  | 8577.6  | 8408.7  | 8204.6  | 7926.6  | 7673.4  |
| 17.5° | 9509.9  | 9562.6  | 9418.4  | 9186.3  | 9003.3  | 8830.9  | 8809.8  | 8669.0  | 8489.6  | 8208.1  | 7937.2  |
| 20°   | 9594.3  | 9650.7  | 9499.4  | 9263.6  | 9094.7  | 8961.1  | 8950.5  | 8848.5  | 8725.3  | 8468.4  | 8194.1  |
| 22.5° | 9678.8  | 9731.6  | 9534.6  | 9288.2  | 9140.4  | 9056.1  | 9052.5  | 8985.7  | 8936.5  | 8725.3  | 8458.0  |
| 25°   | 10020.1 | 10034.1 | 9770.3  | 9414.9  | 9203.8  | 9130.0  | 9126.4  | 9122.9  | 9144.0  | 8978.7  | 8742.9  |
| 27.5° | 10315.6 | 10312.1 | 10086.9 | 9752.7  | 9425.5  | 9270.7  | 9267.1  | 9302.3  | 9369.2  | 9232.0  | 9038.4  |
| 30°   | 10748.4 | 10709.6 | 10442.3 | 10093.9 | 9794.9  | 9555.7  | 9534.6  | 9502.9  | 9555.7  | 9446.6  | 9334.0  |
| 32.5° | 11666.7 | 11543.4 | 11110.7 | 10491.5 | 10101.0 | 9918.0  | 9889.9  | 9692.8  | 9713.9  | 9647.1  | 9590.8  |
| 35°   | 12982.4 | 12820.6 | 12243.6 | 11244.5 | 10480.9 | 10220.6 | 10206.5 | 9956.7  | 9914.5  | 9854.7  | 9875.8  |
| 37.5° | 14548.1 | 14347.5 | 13675.6 | 12335.1 | 11135.4 | 10572.5 | 10551.3 | 10326.2 | 10153.8 | 10090.4 | 10210.0 |
| 40°   | 16120.8 | 15867.4 | 15311.6 | 13665.0 | 12099.4 | 11160.0 | 11093.2 | 10751.8 | 10554.8 | 10449.3 | 10702.6 |
| 42.5° | 17647.7 | 17436.6 | 16961.6 | 15156.8 | 13288.5 | 12018.4 | 11870.6 | 11286.7 | 11138.9 | 11040.4 | 11497.7 |
| 45°   | 18998.7 | 18808.8 | 18460.5 | 16750.6 | 14681.8 | 13186.5 | 13042.3 | 12088.8 | 12043.0 | 12043.0 | 12704.5 |
| 47.5° | 20096.5 | 20054.2 | 19684.8 | 18376.0 | 16324.8 | 14516.5 | 14266.7 | 13204.0 | 13327.3 | 13517.2 | 14417.9 |
| 50°   | 21313.7 | 21197.6 | 20803.6 | 19976.7 | 18256.4 | 16039.8 | 15835.7 | 14572.7 | 15033.6 | 15554.3 | 16894.8 |
| 52.5° | 22432.5 | 22495.9 | 22056.1 | 21644.4 | 20437.7 | 17739.2 | 17380.3 | 16187.6 | 17183.3 | 18045.2 | 19797.4 |
| 55°   | 23583.0 | 23586.6 | 23463.4 | 23407.1 | 22724.6 | 19617.9 | 19223.9 | 18129.7 | 19712.9 | 20782.5 | 23181.9 |
| 57.5° | 24663.1 | 24670.2 | 24853.1 | 25349.2 | 25377.4 | 21785.1 | 21338.3 | 20515.1 | 22524.1 | 23614.7 | 26672.0 |
| 60°   | 25627.2 | 25676.4 | 26176.0 | 27337.1 | 27710.0 | 24269.1 | 23846.9 | 23333.2 | 25430.1 | 26527.8 | 30341.6 |
| 62.5° | 25950.8 | 26130.2 | 27242.0 | 28892.1 | 30014.5 | 27315.9 | 26900.7 | 26594.6 | 28484.0 | 29504.3 | 33409.6 |
| 65°   | 25402.0 | 25813.6 | 27963.2 | 30176.3 | 32385.8 | 30936.2 | 30524.6 | 30190.4 | 31657.4 | 32618.0 | 35928.7 |
| 67.5° | 24054.5 | 24585.8 | 27921.1 | 31523.8 | 35263.7 | 35291.9 | 34908.3 | 34123.8 | 35059.6 | 35429.0 | 36748.4 |
| 70°   | 20504.5 | 21299.7 | 25461.8 | 32026.8 | 38567.4 | 41248.3 | 40878.8 | 38859.4 | 38454.8 | 36667.5 | 34440.4 |
| 72.5° | 13211.1 | 14280.7 | 18748.9 | 27885.8 | 39302.7 | 46853.0 | 46831.8 | 43134.0 | 39527.9 | 34261.0 | 27622.0 |
| 75°   | 4820.1  | 5474.4  | 8711.3  | 17503.4 | 32990.9 | 46567.9 | 46705.1 | 42402.3 | 36083.5 | 26464.5 | 17207.9 |
| 77.5° | 1755.6  | 1921.0  | 2842.7  | 6727.0  | 20289.9 | 37364.1 | 37649.1 | 33898.6 | 25683.4 | 13281.5 | 6818.4  |
| 80°   | 921.8   | 1013.3  | 1456.5  | 2610.6  | 8693.6  | 22189.8 | 22636.6 | 20145.7 | 12071.2 | 4000.3  | 2044.2  |
| 82.5° | 510.1   | 552.4   | 816.2   | 1417.9  | 3915.8  | 9488.8  | 9756.2  | 7958.3  | 4246.6  | 1695.8  | 844.4   |
| 85°   | 274.4   | 292.0   | 383.5   | 774.0   | 1914.0  | 3289.6  | 3363.4  | 2378.3  | 1692.3  | 995.7   | 408.2   |
| 87.5° | 80.9    | 98.5    | 126.7   | 246.3   | 749.4   | 738.8   | 756.4   | 471.5   | 668.5   | 503.1   | 133.7   |
| 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: P971524

CATALOG NUMBER: NVN-SB6D-760-U-T4W

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 6737.5  | 6737.5  | 6737.5 | 6737.5 | 6737.5 | 6737.5 | 6737.5 | 6737.5 | 6737.5 | 6737.5 | 6737.5 |
| 2.5°  | 6769.2  | 6758.6  | 6719.9 | 6702.3 | 6681.3 | 6677.7 | 6695.3 | 6698.8 | 6702.3 | 6705.9 | 6719.9 |
| 5°    | 6832.5  | 6797.3  | 6762.1 | 6741.0 | 6748.1 | 6751.6 | 6786.7 | 6811.4 | 6829.0 | 6843.0 | 6850.1 |
| 7.5°  | 6955.6  | 6927.5  | 6867.7 | 6864.1 | 6874.7 | 6906.3 | 6952.2 | 7008.4 | 7040.1 | 7064.7 | 7071.8 |
| 10°   | 7138.6  | 7085.8  | 7015.4 | 7026.0 | 7047.1 | 7092.9 | 7187.8 | 7233.6 | 7286.3 | 7332.1 | 7321.6 |
| 12.5° | 7325.1  | 7279.3  | 7198.4 | 7205.4 | 7240.6 | 7321.6 | 7413.0 | 7469.3 | 7504.5 | 7539.7 | 7553.7 |
| 15°   | 7567.8  | 7486.9  | 7399.0 | 7399.0 | 7462.3 | 7550.3 | 7592.5 | 7638.2 | 7659.3 | 7698.0 | 7712.1 |
| 17.5° | 7817.6  | 7712.1  | 7596.0 | 7588.9 | 7666.3 | 7708.5 | 7733.2 | 7740.2 | 7747.3 | 7789.5 | 7803.5 |
| 20°   | 8067.4  | 7951.3  | 7785.9 | 7771.9 | 7789.5 | 7782.4 | 7778.9 | 7771.9 | 7782.4 | 7835.2 | 7856.3 |
| 22.5° | 8313.7  | 8180.0  | 7951.3 | 7888.0 | 7838.7 | 7771.9 | 7768.4 | 7764.9 | 7771.9 | 7824.6 | 7859.8 |
| 25°   | 8602.2  | 8440.4  | 8134.3 | 7944.3 | 7778.9 | 7687.4 | 7698.0 | 7701.5 | 7708.5 | 7750.7 | 7807.0 |
| 27.5° | 8915.3  | 8735.9  | 8303.1 | 7926.6 | 7627.6 | 7564.3 | 7546.7 | 7557.2 | 7581.9 | 7648.8 | 7715.6 |
| 30°   | 9228.5  | 9017.3  | 8458.0 | 7856.3 | 7437.6 | 7349.7 | 7293.4 | 7318.0 | 7395.4 | 7462.3 | 7536.1 |
| 32.5° | 9513.4  | 9302.3  | 8581.1 | 7701.5 | 7194.9 | 7057.6 | 6983.7 | 7015.4 | 7092.9 | 7117.5 | 7205.4 |
| 35°   | 9847.7  | 9608.5  | 8633.9 | 7455.2 | 6931.0 | 6719.9 | 6621.4 | 6575.7 | 6614.3 | 6589.7 | 6667.1 |
| 37.5° | 10220.6 | 9970.8  | 8626.8 | 7131.5 | 6621.4 | 6378.7 | 6241.4 | 6069.0 | 5988.2 | 5903.7 | 5956.5 |
| 40°   | 10773.0 | 10414.1 | 8542.3 | 6741.0 | 6237.9 | 6016.2 | 5769.9 | 5478.0 | 5295.0 | 5129.6 | 5140.2 |
| 42.5° | 11525.9 | 11029.8 | 8387.6 | 6311.7 | 5805.2 | 5597.6 | 5263.4 | 4922.0 | 4633.6 | 4359.1 | 4334.5 |
| 45°   | 12648.2 | 11835.5 | 8194.1 | 5854.4 | 5337.3 | 5133.2 | 4770.8 | 4387.3 | 4060.1 | 3708.2 | 3666.0 |
| 47.5° | 14266.7 | 12919.1 | 8011.1 | 5333.7 | 4844.7 | 4658.2 | 4331.0 | 3975.7 | 3588.6 | 3247.4 | 3208.7 |
| 50°   | 16490.2 | 14474.2 | 7842.3 | 4827.0 | 4359.1 | 4218.4 | 3958.0 | 3595.7 | 3205.2 | 2930.7 | 2913.2 |
| 52.5° | 19318.9 | 16588.7 | 7771.9 | 4338.0 | 3905.2 | 3852.6 | 3644.9 | 3307.2 | 2937.8 | 2705.6 | 2688.0 |
| 55°   | 22566.2 | 19118.3 | 7771.9 | 3870.1 | 3507.8 | 3525.3 | 3381.1 | 3067.9 | 2747.8 | 2540.2 | 2519.0 |
| 57.5° | 25880.4 | 21679.7 | 7631.1 | 3437.3 | 3170.0 | 3243.8 | 3152.4 | 2878.0 | 2589.5 | 2374.8 | 2339.7 |
| 60°   | 28934.3 | 23825.8 | 7061.2 | 3043.3 | 2870.9 | 2987.1 | 2927.2 | 2691.4 | 2339.7 | 2160.2 | 2132.1 |
| 62.5° | 31281.1 | 25036.0 | 5963.4 | 2730.2 | 2624.6 | 2758.4 | 2726.7 | 2445.2 | 2294.0 | 2220.0 | 2195.4 |
| 65°   | 32456.1 | 24839.0 | 4559.7 | 2452.2 | 2417.1 | 2624.6 | 2557.8 | 2547.2 | 2427.6 | 2343.1 | 2315.1 |
| 67.5° | 31734.9 | 23143.3 | 3307.2 | 2248.1 | 2297.4 | 2501.5 | 2758.4 | 2800.5 | 2578.9 | 2413.6 | 2385.4 |
| 70°   | 28572.0 | 20075.3 | 2462.8 | 2054.7 | 2146.1 | 2505.0 | 3145.3 | 2930.7 | 2529.6 | 2336.2 | 2304.5 |
| 72.5° | 21735.9 | 14970.2 | 1910.4 | 1850.6 | 1949.1 | 2522.6 | 3317.7 | 2870.9 | 2388.9 | 2582.4 | 2561.3 |
| 75°   | 12430.1 | 8218.7  | 1534.0 | 1600.8 | 1702.8 | 2357.3 | 3229.8 | 2716.1 | 2279.8 | 2371.3 | 2371.3 |
| 77.5° | 4739.1  | 3159.5  | 1266.6 | 1354.5 | 1368.6 | 2058.2 | 3089.0 | 2705.6 | 2170.7 | 2118.0 | 1931.5 |
| 80°   | 1643.1  | 1234.9  | 1048.5 | 1076.6 | 1059.0 | 1829.5 | 2962.4 | 2353.7 | 1776.7 | 1590.3 | 1537.5 |
| 82.5° | 672.0   | 615.7   | 830.4  | 795.1  | 752.9  | 1421.4 | 2392.5 | 1924.5 | 1453.0 | 1284.2 | 1270.1 |
| 85°   | 292.0   | 390.5   | 548.9  | 482.0  | 436.2  | 985.1  | 1917.5 | 1628.9 | 1227.8 | 1059.0 | 1055.4 |
| 87.5° | 59.9    | 147.8   | 232.2  | 218.1  | 225.2  | 657.9  | 1361.6 | 1157.5 | 869.0  | 650.9  | 510.1  |
| 90°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)