

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: P965192

Luminaire Tested: **NVN-SB3D-760-U-T2**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P965192  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: NVN-SB3D-760-U-T2  
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 5700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 32806.1 lumens  
Efficiency: N/A  
Efficacy: 150.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B4 - U0 - G4

Input Watts (W): 218.1  
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

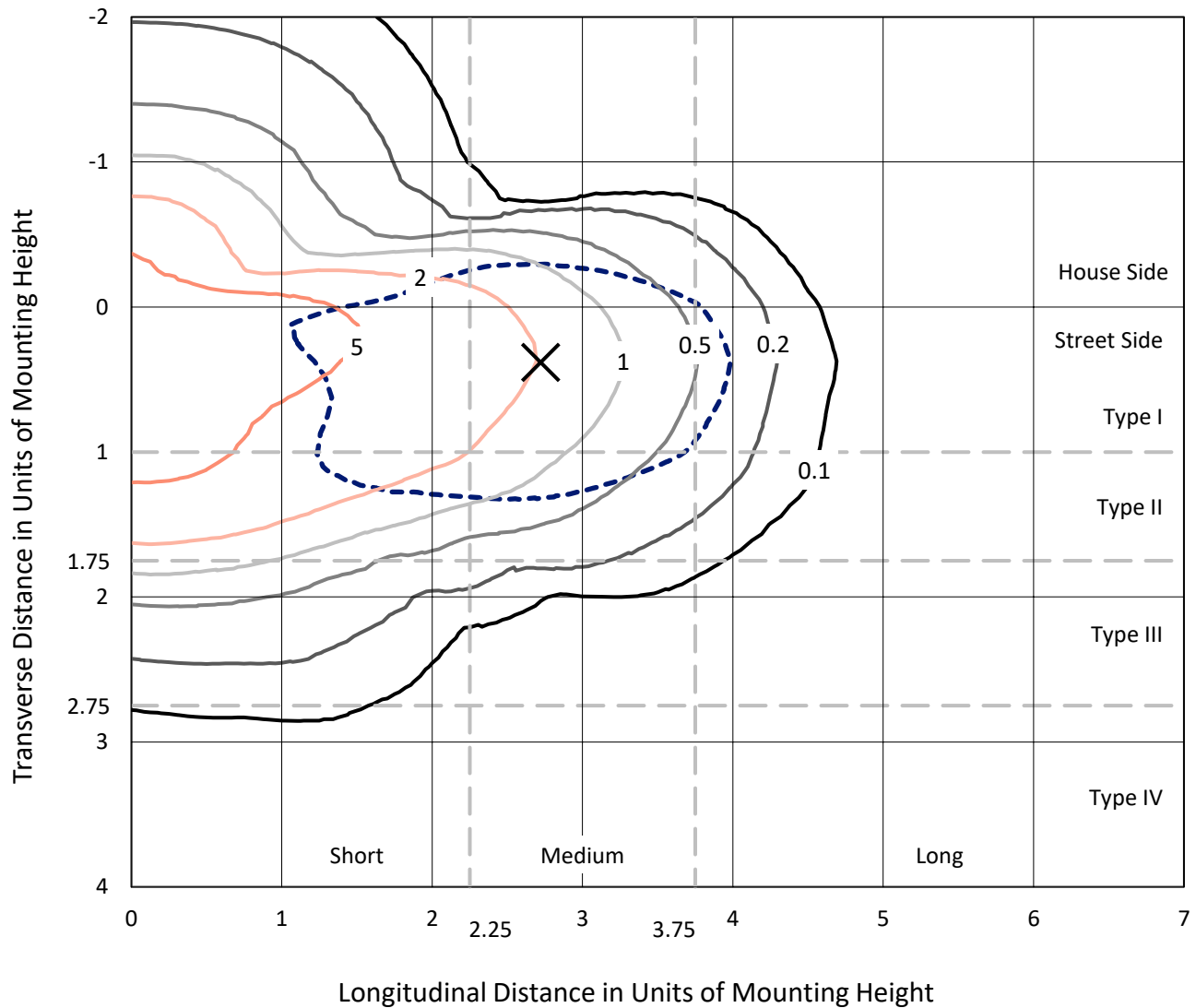


REPORT NUMBER: P965192

CATALOG NUMBER: NVN-SB3D-760-U-T2

## Iso-Footcandle Lines of Horizontal Illumination

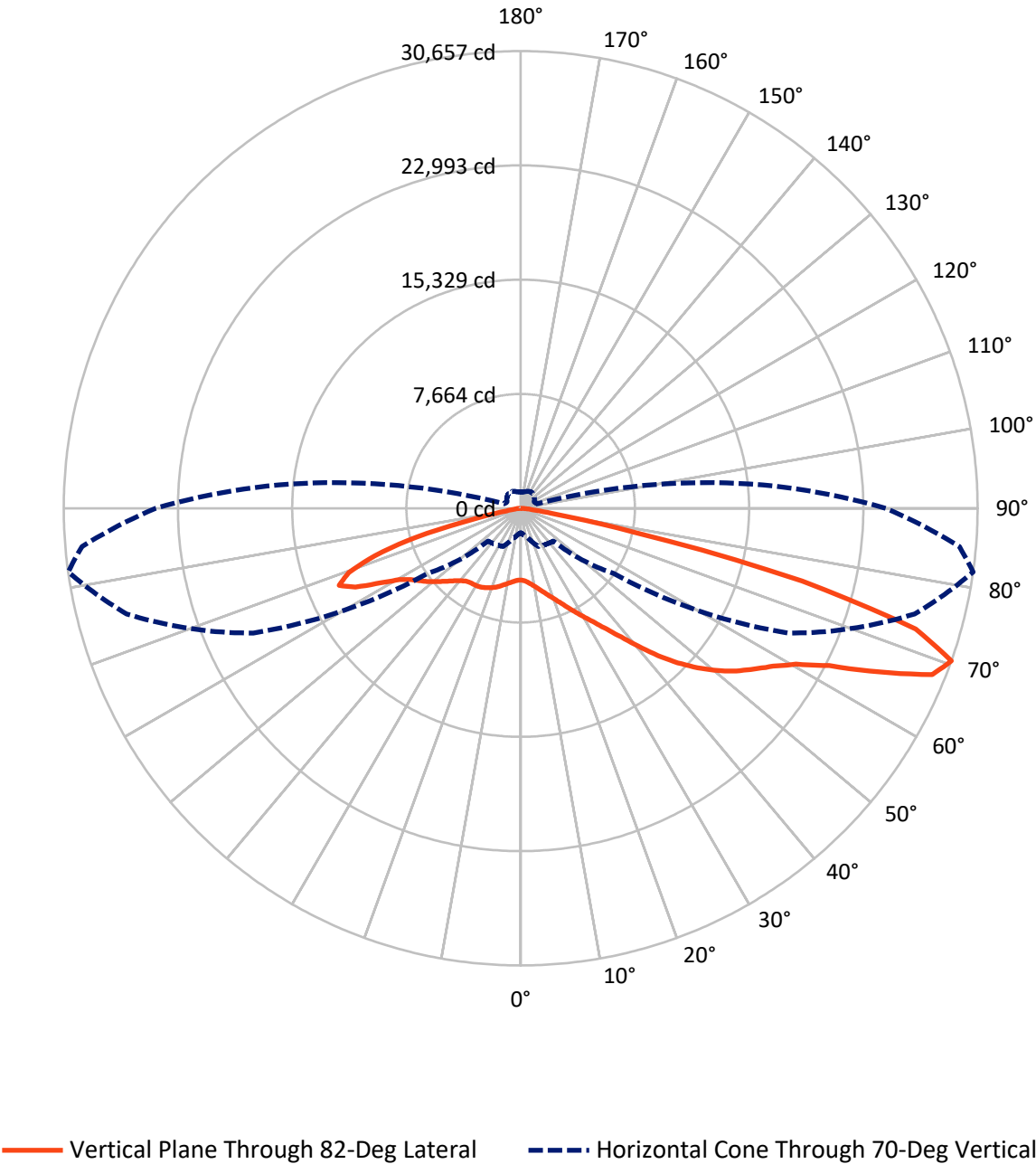
✕ Max cd  
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
Type II - Medium - N/A

REPORT NUMBER: P965192  
CATALOG NUMBER: NVN-SB3D-760-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P965192

CATALOG NUMBER: NVN-SB3D-760-U-T2

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8087.5   | 0.0    | 8087.5  |
|                    | % Fixture | 24.7     | 0.0    | 24.7    |
| <b>Street Side</b> | Lumens    | 24718.6  | 0.0    | 24718.6 |
|                    | % Fixture | 75.3     | 0.0    | 75.3    |
| <b>Total</b>       | Lumens    | 32806.1  | 0.0    | 32806.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 454.1   | 1.4       |
| 10°-20°   | 1304.7  | 4.0       |
| 20°-30°   | 2182.7  | 6.7       |
| 30°-40°   | 3409.9  | 10.4      |
| 40°-50°   | 5430.7  | 16.6      |
| 50°-60°   | 7557.5  | 23.0      |
| 60°-70°   | 7905.5  | 24.1      |
| 70°-80°   | 4131.8  | 12.6      |
| 80°-90°   | 429.0   | 1.3       |
| 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°    | 32806.1 | 100.0     |
| 0°-180°   | 32806.1 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P965192

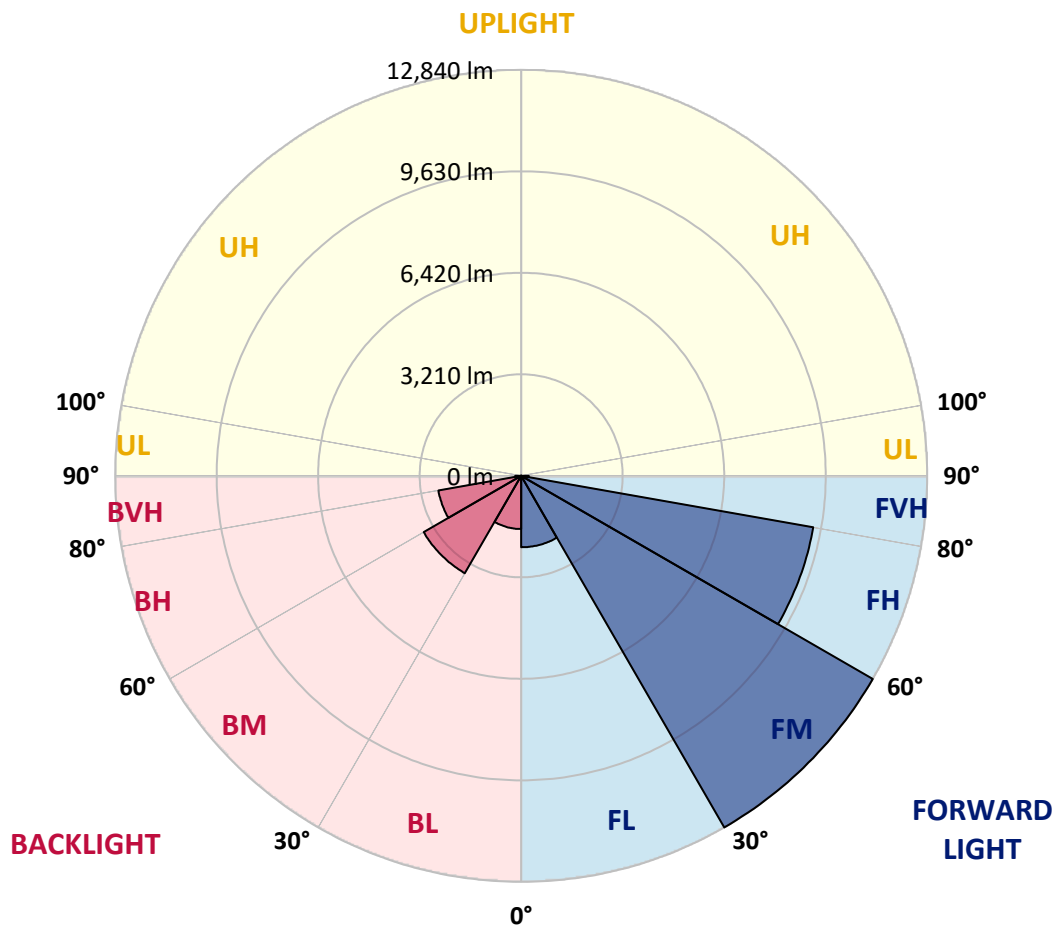
CATALOG NUMBER: NVN-SB3D-760-U-T2

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2259.1  | 6.9       |                         |      |          |
| FM   | (30°-60°)   | 12840.0 | 39.1      |                         |      |          |
| FH   | (60°-80°)   | 9379.4  | 28.6      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 240.2   | 0.7       |                         |      | G3/500   |
| BL   | (0°-30°)    | 1682.5  | 5.1       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 3558.2  | 10.8      | B3/5000                 |      |          |
| BH   | (60°-80°)   | 2658.0  | 8.1       | B4/5000                 |      | G4/5000  |
| BVH  | (80°-90°)   | 188.9   | 0.6       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B4-U0-G4**

Type II Medium



REPORT NUMBER: P965192

CATALOG NUMBER: NVN-SB3D-760-U-T2

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 75°     | 82°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  | 4809.8  |
| 2.5°  | 4924.7  | 4952.5  | 4943.9  | 4935.2  | 4935.2  | 4923.0  | 4921.2  | 4903.8  | 4889.9  | 4867.2  | 4862.0  |
| 5°    | 4987.3  | 5017.0  | 5013.5  | 5020.4  | 5043.1  | 5048.3  | 5053.5  | 5043.1  | 5015.2  | 4987.3  | 4975.1  |
| 7.5°  | 4931.7  | 4964.7  | 4975.1  | 5017.0  | 5086.6  | 5149.3  | 5196.2  | 5215.4  | 5189.3  | 5149.3  | 5130.1  |
| 10°   | 4743.6  | 4780.2  | 4816.8  | 4916.0  | 5039.6  | 5187.5  | 5312.9  | 5387.7  | 5382.5  | 5344.2  | 5311.1  |
| 12.5° | 4362.4  | 4400.7  | 4479.0  | 4672.3  | 4898.6  | 5159.6  | 5392.9  | 5549.7  | 5603.6  | 5575.7  | 5518.3  |
| 15°   | 4057.8  | 4090.9  | 4150.0  | 4348.5  | 4642.6  | 5039.6  | 5422.6  | 5727.2  | 5864.7  | 5849.1  | 5779.4  |
| 17.5° | 4049.1  | 4063.0  | 4099.6  | 4193.6  | 4419.9  | 4851.5  | 5391.2  | 5901.2  | 6164.1  | 6162.4  | 6075.4  |
| 20°   | 4202.3  | 4207.5  | 4228.3  | 4247.5  | 4376.3  | 4708.8  | 5311.1  | 6045.8  | 6500.1  | 6500.1  | 6406.0  |
| 22.5° | 4414.7  | 4411.2  | 4432.0  | 4414.7  | 4477.3  | 4696.7  | 5260.6  | 6172.9  | 6874.4  | 6902.2  | 6783.9  |
| 25°   | 4733.2  | 4715.8  | 4710.6  | 4670.5  | 4682.7  | 4809.8  | 5316.4  | 6317.3  | 7318.3  | 7375.7  | 7227.8  |
| 27.5° | 5157.9  | 5130.1  | 5111.0  | 5018.7  | 4987.3  | 5043.1  | 5486.9  | 6491.4  | 7812.7  | 7911.9  | 7723.9  |
| 30°   | 5711.5  | 5661.1  | 5633.2  | 5473.0  | 5359.9  | 5368.5  | 5744.6  | 6722.9  | 8329.7  | 8489.8  | 8251.4  |
| 32.5° | 6467.0  | 6388.7  | 6313.8  | 6051.0  | 5843.8  | 5776.0  | 6077.1  | 7043.2  | 8890.2  | 9146.1  | 8839.7  |
| 35°   | 7313.1  | 7250.3  | 7170.3  | 6764.7  | 6446.1  | 6289.5  | 6526.2  | 7490.6  | 9546.4  | 9952.0  | 9553.4  |
| 37.5° | 8127.7  | 8073.7  | 8112.1  | 7565.4  | 7154.6  | 6926.5  | 7114.6  | 8091.1  | 10356.0 | 10954.8 | 10448.2 |
| 40°   | 8970.3  | 8928.5  | 8933.7  | 8411.5  | 7932.8  | 7676.8  | 7828.3  | 8844.9  | 11283.8 | 12147.2 | 11524.0 |
| 42.5° | 9885.9  | 9854.6  | 9750.1  | 9287.1  | 8749.2  | 8510.7  | 8650.0  | 9715.4  | 12279.5 | 13505.0 | 12704.3 |
| 45°   | 10911.2 | 10892.1 | 10794.6 | 10263.6 | 9647.4  | 9379.4  | 9567.3  | 10676.2 | 13280.4 | 14782.8 | 13889.8 |
| 47.5° | 11797.3 | 11813.0 | 11800.8 | 11353.4 | 10714.5 | 10321.1 | 10545.7 | 11679.0 | 14211.7 | 15983.8 | 15026.5 |
| 50°   | 12223.8 | 12305.6 | 12425.8 | 12286.5 | 11889.6 | 11489.2 | 11532.7 | 12646.9 | 15099.6 | 17110.2 | 16116.2 |
| 52.5° | 12001.0 | 12155.9 | 12483.2 | 12706.0 | 12859.1 | 12775.6 | 12659.0 | 13607.7 | 15935.2 | 18126.8 | 17146.7 |
| 55°   | 11170.7 | 11388.3 | 11931.3 | 12469.2 | 13250.9 | 13858.4 | 14011.5 | 14673.1 | 16749.8 | 19021.5 | 18121.6 |
| 57.5° | 9657.9  | 10011.3 | 10498.7 | 11586.7 | 12902.7 | 14382.4 | 15588.7 | 16151.0 | 17613.3 | 19977.2 | 19141.7 |
| 60°   | 7064.1  | 7537.6  | 8143.4  | 9762.3  | 11684.2 | 14102.2 | 16930.8 | 18421.0 | 18840.5 | 21214.9 | 20469.9 |
| 62.5° | 4520.9  | 4813.3  | 5370.3  | 6895.3  | 9104.4  | 12665.9 | 17341.7 | 21258.5 | 20920.8 | 23244.7 | 22461.3 |
| 65°   | 3095.1  | 3283.1  | 3793.2  | 4649.6  | 5885.5  | 9428.1  | 16241.5 | 23385.7 | 24224.7 | 26461.7 | 25866.4 |
| 67.5° | 2249.1  | 2391.8  | 2827.1  | 3577.4  | 3834.9  | 5579.2  | 12603.3 | 23288.2 | 27436.5 | 29776.1 | 28850.1 |
| 70°   | 1639.8  | 1740.8  | 2106.4  | 2827.1  | 2950.7  | 3103.8  | 7635.1  | 19796.2 | 27366.9 | 30657.0 | 29548.1 |
| 72.5° | 1215.0  | 1284.7  | 1530.1  | 2193.4  | 2388.4  | 2095.9  | 3779.3  | 14387.6 | 23516.3 | 27729.0 | 26839.4 |
| 75°   | 879.1   | 931.3   | 1112.3  | 1678.1  | 1911.4  | 1596.3  | 1885.3  | 8408.0  | 16403.4 | 19505.5 | 19662.2 |
| 77.5° | 672.0   | 712.0   | 830.4   | 1229.0  | 1530.1  | 1197.6  | 1169.8  | 3868.0  | 7777.8  | 7816.1  | 8254.8  |
| 80°   | 539.7   | 565.8   | 630.2   | 865.2   | 1173.3  | 896.5   | 762.5   | 1561.5  | 2458.0  | 2080.2  | 2182.9  |
| 82.5° | 396.9   | 440.4   | 532.7   | 607.5   | 839.1   | 618.0   | 464.8   | 788.5   | 934.8   | 804.2   | 811.2   |
| 85°   | 226.3   | 255.9   | 322.1   | 435.2   | 536.2   | 377.7   | 266.3   | 349.9   | 435.2   | 356.9   | 318.6   |
| 87.5° | 80.1    | 104.4   | 113.2   | 170.6   | 233.3   | 156.6   | 102.7   | 101.0   | 142.8   | 106.2   | 88.8    |
| 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: P965192

CATALOG NUMBER: NVN-SB3D-760-U-T2

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 4809.8  | 4809.8  | 4809.8 | 4809.8 | 4809.8 | 4809.8 | 4809.8 | 4809.8 | 4809.8 | 4809.8 | 4809.8 |
| 2.5°  | 4844.6  | 4836.0  | 4801.1 | 4754.1 | 4705.4 | 4658.3 | 4642.6 | 4609.6 | 4587.0 | 4574.8 | 4588.7 |
| 5°    | 4942.1  | 4914.3  | 4832.5 | 4728.0 | 4618.3 | 4500.0 | 4416.4 | 4339.7 | 4284.1 | 4231.8 | 4252.7 |
| 7.5°  | 5081.3  | 5032.6  | 4891.6 | 4708.8 | 4513.9 | 4317.2 | 4170.9 | 4059.5 | 3984.7 | 3935.9 | 3946.4 |
| 10°   | 5243.3  | 5168.4  | 4952.5 | 4679.2 | 4378.1 | 4096.1 | 3923.7 | 3828.0 | 3781.0 | 3754.9 | 3761.9 |
| 12.5° | 5429.5  | 5323.3  | 5015.2 | 4611.4 | 4170.9 | 3848.9 | 3730.5 | 3702.6 | 3704.3 | 3706.1 | 3709.6 |
| 15°   | 5659.3  | 5511.3  | 5065.7 | 4463.4 | 3901.2 | 3659.1 | 3638.2 | 3683.5 | 3730.5 | 3753.1 | 3751.4 |
| 17.5° | 5918.7  | 5709.8  | 5074.4 | 4219.6 | 3636.5 | 3537.3 | 3603.4 | 3700.9 | 3772.3 | 3803.6 | 3810.5 |
| 20°   | 6197.2  | 5911.7  | 5011.7 | 3875.0 | 3418.9 | 3438.1 | 3556.4 | 3681.8 | 3760.1 | 3800.1 | 3810.5 |
| 22.5° | 6515.7  | 6127.6  | 4862.0 | 3512.9 | 3241.4 | 3330.1 | 3469.4 | 3591.3 | 3673.1 | 3713.1 | 3723.5 |
| 25°   | 6879.6  | 6369.6  | 4627.1 | 3208.2 | 3088.1 | 3208.2 | 3347.5 | 3448.5 | 3514.6 | 3551.2 | 3561.7 |
| 27.5° | 7283.4  | 6621.9  | 4313.7 | 2966.4 | 2954.2 | 3082.9 | 3197.8 | 3276.2 | 3311.0 | 3338.8 | 3349.3 |
| 30°   | 7689.0  | 6851.7  | 3934.2 | 2783.5 | 2837.5 | 2959.4 | 3041.2 | 3075.9 | 3086.4 | 3091.6 | 3103.8 |
| 32.5° | 8127.7  | 7050.2  | 3535.5 | 2632.1 | 2726.1 | 2839.2 | 2887.9 | 2903.6 | 2854.9 | 2821.8 | 2832.3 |
| 35°   | 8658.7  | 7262.5  | 3145.6 | 2512.0 | 2616.4 | 2713.9 | 2729.6 | 2715.6 | 2658.1 | 2590.3 | 2593.8 |
| 37.5° | 9315.0  | 7527.2  | 2834.0 | 2426.7 | 2513.7 | 2578.1 | 2558.9 | 2555.4 | 2560.7 | 2480.6 | 2485.8 |
| 40°   | 10119.2 | 7871.8  | 2606.0 | 2360.5 | 2430.2 | 2444.1 | 2390.1 | 2419.7 | 2445.9 | 2324.0 | 2327.5 |
| 42.5° | 11012.2 | 8287.8  | 2461.4 | 2315.3 | 2360.5 | 2327.5 | 2243.8 | 2276.9 | 2273.4 | 2113.3 | 2111.6 |
| 45°   | 11922.6 | 8740.5  | 2411.0 | 2282.2 | 2296.1 | 2230.0 | 2137.6 | 2146.4 | 2073.3 | 1928.7 | 1934.0 |
| 47.5° | 12827.9 | 9226.1  | 2442.4 | 2254.3 | 2216.0 | 2141.1 | 2069.8 | 2031.4 | 1923.6 | 1815.7 | 1815.7 |
| 50°   | 13715.6 | 9736.2  | 2557.2 | 2198.6 | 2106.4 | 2062.8 | 2010.6 | 1942.7 | 1827.8 | 1735.5 | 1728.6 |
| 52.5° | 14539.0 | 10249.8 | 2686.0 | 2106.4 | 1968.8 | 1995.0 | 1961.8 | 1883.5 | 1770.4 | 1676.4 | 1678.1 |
| 55°   | 15318.9 | 10763.3 | 2736.5 | 1979.3 | 1840.0 | 1935.7 | 1916.6 | 1772.1 | 1636.3 | 1559.7 | 1552.8 |
| 57.5° | 16168.5 | 11381.3 | 2680.8 | 1817.4 | 1735.5 | 1867.9 | 1794.8 | 1634.6 | 1556.3 | 1498.9 | 1493.6 |
| 60°   | 17345.2 | 12350.8 | 2560.7 | 1617.1 | 1636.3 | 1766.9 | 1641.5 | 1575.4 | 1490.1 | 1425.7 | 1422.2 |
| 62.5° | 19300.1 | 14159.6 | 2367.4 | 1418.7 | 1519.7 | 1617.1 | 1568.5 | 1502.3 | 1415.2 | 1352.6 | 1352.6 |
| 65°   | 22189.8 | 16673.3 | 2003.7 | 1263.8 | 1389.2 | 1471.0 | 1490.1 | 1423.9 | 1333.4 | 1267.3 | 1270.8 |
| 67.5° | 24626.9 | 18250.4 | 1516.2 | 1135.0 | 1255.1 | 1352.6 | 1406.5 | 1342.1 | 1246.4 | 1182.0 | 1183.8 |
| 70°   | 24492.9 | 17105.0 | 1157.6 | 1007.9 | 1136.7 | 1235.9 | 1305.5 | 1255.1 | 1152.4 | 1091.5 | 1096.6 |
| 72.5° | 21754.6 | 14309.3 | 936.5  | 879.1  | 1016.6 | 1114.1 | 1197.6 | 1159.4 | 1054.9 | 995.7  | 995.7  |
| 75°   | 15982.1 | 10157.4 | 748.6  | 748.6  | 866.9  | 987.1  | 1079.3 | 1054.9 | 959.2  | 917.4  | 905.2  |
| 77.5° | 6736.8  | 4261.4  | 586.6  | 621.5  | 720.7  | 847.8  | 962.7  | 971.4  | 887.8  | 940.0  | 853.0  |
| 80°   | 1791.3  | 1175.1  | 447.4  | 489.1  | 565.8  | 699.8  | 837.3  | 833.8  | 743.3  | 694.5  | 645.9  |
| 82.5° | 682.3   | 463.1   | 318.6  | 344.7  | 409.1  | 536.2  | 663.3  | 684.1  | 593.6  | 513.5  | 513.5  |
| 85°   | 262.8   | 198.4   | 196.7  | 207.2  | 238.5  | 355.2  | 501.3  | 518.8  | 447.4  | 379.5  | 391.7  |
| 87.5° | 67.9    | 59.1    | 73.1   | 69.6   | 109.7  | 189.7  | 287.2  | 297.7  | 273.3  | 158.4  | 226.3  |
| 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)