

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: P964526

Luminaire Tested: **NVN-SB3C-730-U-SL2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P964526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB3C-730-U-SL2
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22892.3 lumens
Efficiency: N/A
Efficacy: 153.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

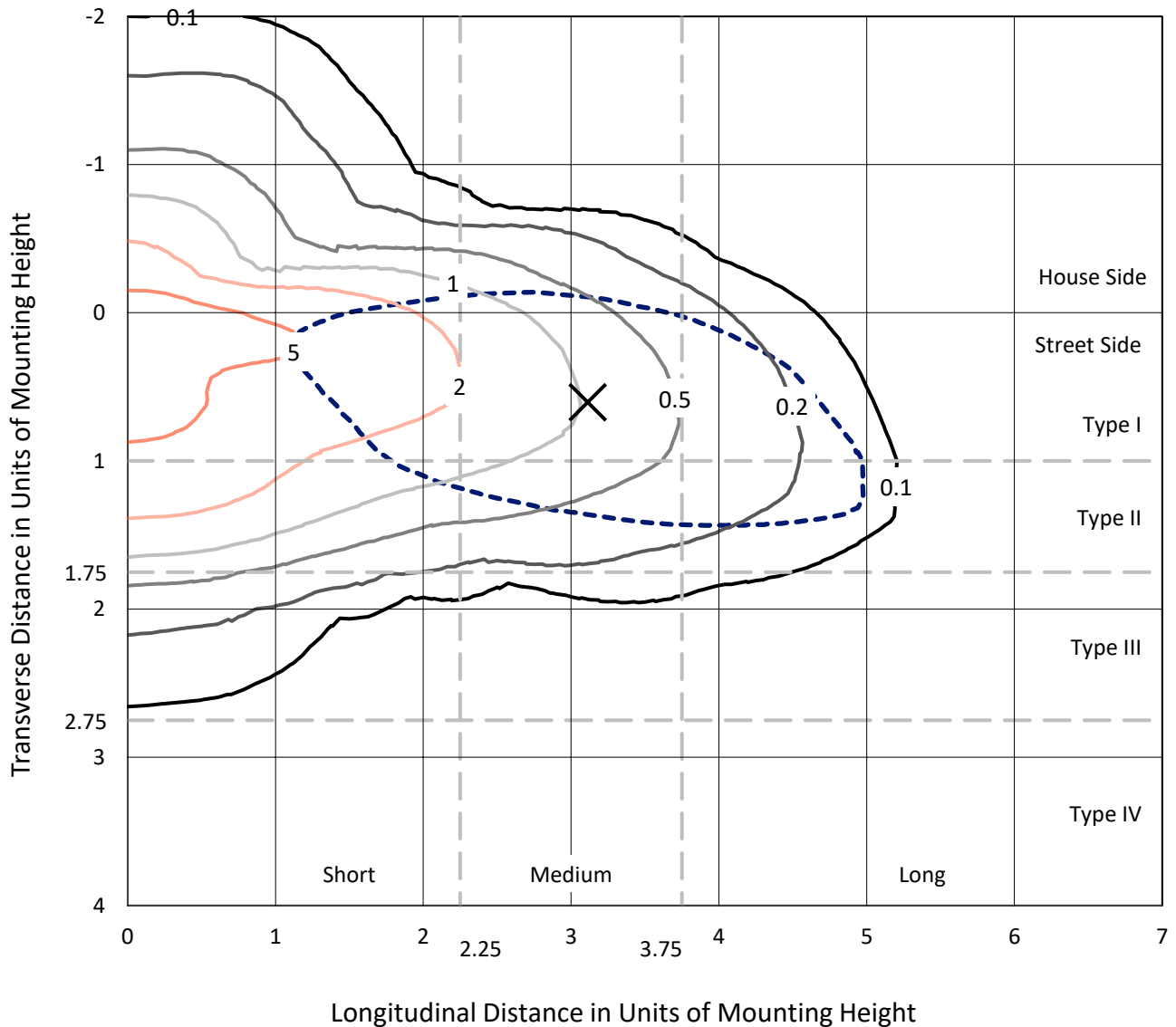
Input Watts (W): 149.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

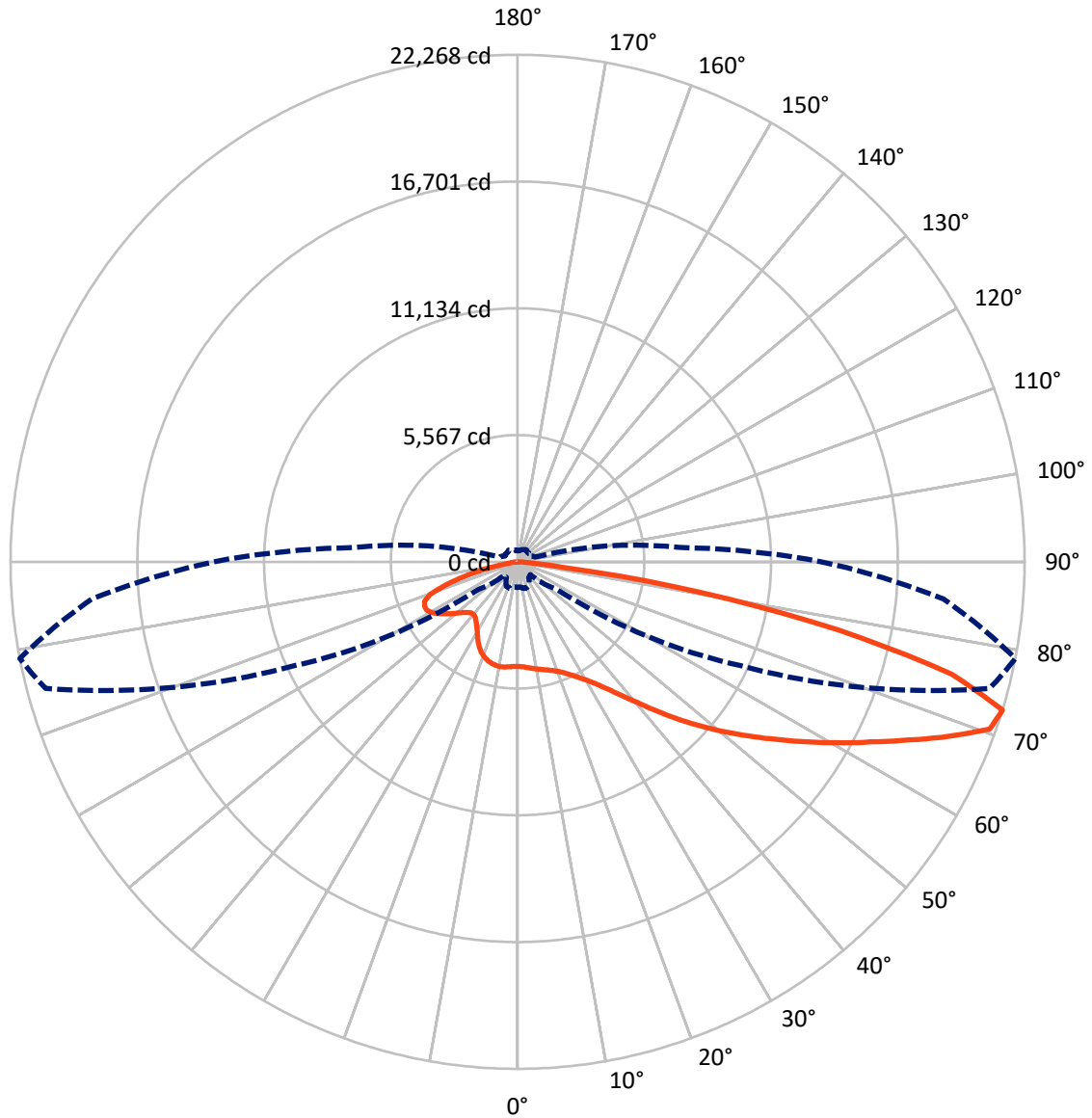
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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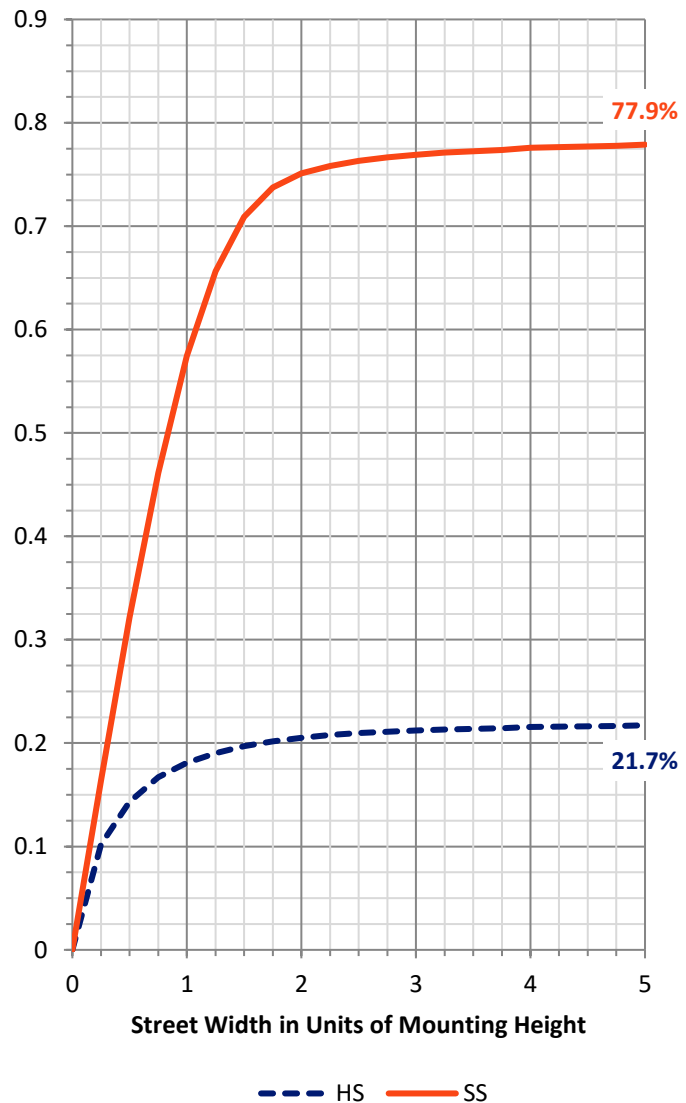
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 5037.6 | 0.0 | 5037.6 |
| | % Fixture | 22.0 | 0.0 | 22.0 |
| Street Side | Lumens | 17854.8 | 0.0 | 17854.8 |
| | % Fixture | 78.0 | 0.0 | 78.0 |
| Total | Lumens | 22892.3 | 0.0 | 22892.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 417.1 | 1.8 |
| 10°-20° | 1090.6 | 4.8 |
| 20°-30° | 1759.8 | 7.7 |
| 30°-40° | 2641.2 | 11.5 |
| 40°-50° | 3746.6 | 16.4 |
| 50°-60° | 4731.5 | 20.7 |
| 60°-70° | 4805.5 | 21.0 |
| 70°-80° | 3275.1 | 14.3 |
| 80°-90° | 424.9 | 1.9 |
| 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° | 22892.3 | 100.0 |
| 0°-180° | 22892.3 | 100.0 |

Coefficient of Utilization

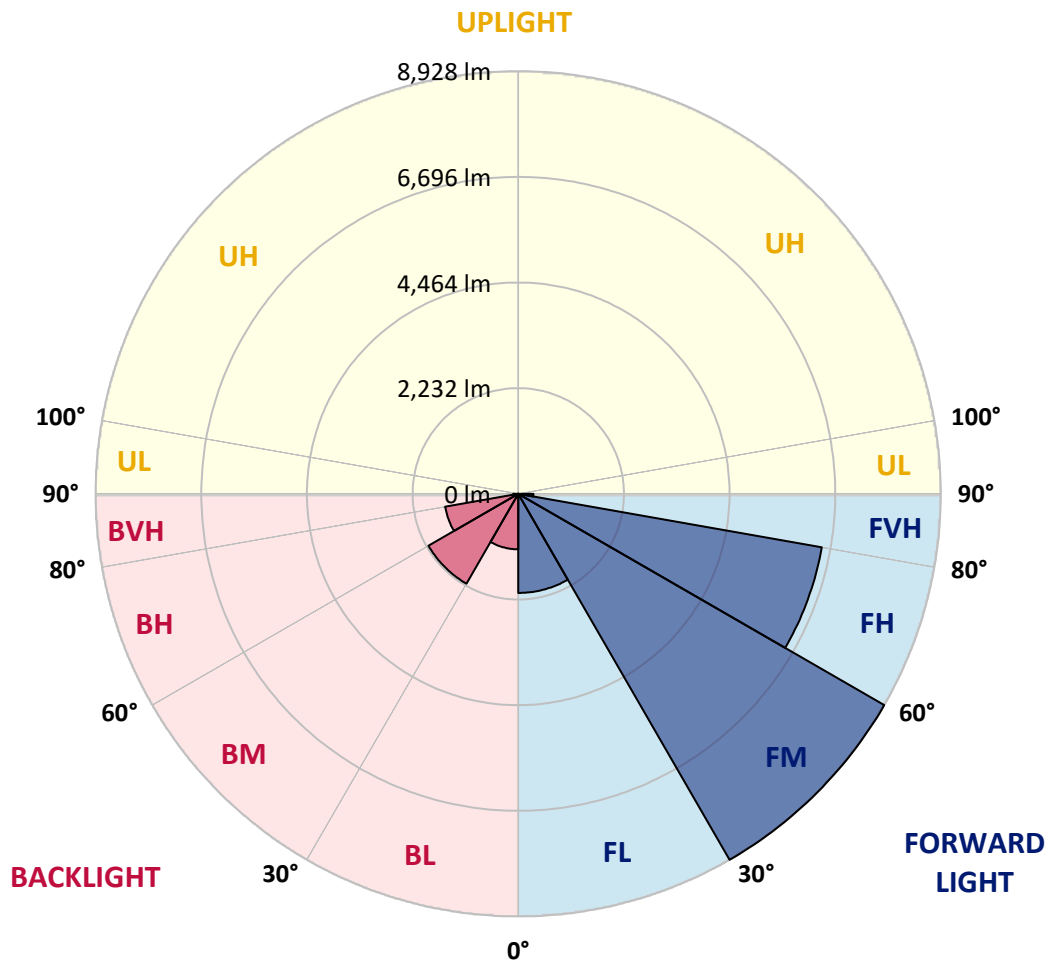


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2094.1 | 9.1 | | | |
| FM (30°-60°) | 8928.5 | 39.0 | | | |
| FH (60°-80°) | 6512.1 | 28.4 | | | G3/7500 |
| FVH (80°-90°) | 320.1 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1173.4 | 5.1 | B3/2500 | | |
| BM (30°-60°) | 2190.8 | 9.6 | B2/2500 | | |
| BH (60°-80°) | 1568.5 | 6.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 104.8 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 79° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 |
| 2.5° | 4597.8 | 4576.0 | 4589.3 | 4584.5 | 4590.6 | 4597.8 | 4600.3 | 4603.9 | 4616.0 | 4614.8 | 4613.6 |
| 5° | 4588.1 | 4566.4 | 4584.5 | 4578.5 | 4594.3 | 4611.2 | 4625.7 | 4639.0 | 4658.4 | 4666.8 | 4654.7 |
| 7.5° | 4567.6 | 4553.0 | 4571.2 | 4589.3 | 4618.4 | 4643.9 | 4664.5 | 4694.7 | 4722.6 | 4727.4 | 4735.9 |
| 10° | 4447.7 | 4436.8 | 4479.1 | 4526.4 | 4606.3 | 4675.3 | 4720.1 | 4755.3 | 4785.5 | 4790.3 | 4802.5 |
| 12.5° | 4322.9 | 4309.6 | 4356.9 | 4421.0 | 4550.6 | 4675.3 | 4769.8 | 4815.8 | 4842.4 | 4858.2 | 4876.3 |
| 15° | 4302.3 | 4291.5 | 4318.1 | 4373.8 | 4481.6 | 4642.6 | 4803.7 | 4888.4 | 4911.5 | 4929.6 | 4936.9 |
| 17.5° | 4401.7 | 4381.1 | 4392.0 | 4411.4 | 4474.3 | 4612.4 | 4830.3 | 4970.8 | 5005.9 | 5025.3 | 5025.3 |
| 20° | 4631.8 | 4602.7 | 4585.7 | 4547.0 | 4536.1 | 4617.2 | 4828.0 | 5070.1 | 5116.1 | 5140.4 | 5146.4 |
| 22.5° | 4938.1 | 4918.8 | 4882.4 | 4784.3 | 4677.8 | 4676.6 | 4874.0 | 5197.3 | 5283.3 | 5306.2 | 5291.7 |
| 25° | 5308.7 | 5279.6 | 5233.5 | 5100.4 | 4895.7 | 4794.0 | 4951.5 | 5359.5 | 5503.6 | 5509.7 | 5467.2 |
| 27.5° | 5734.9 | 5691.3 | 5628.4 | 5452.8 | 5176.7 | 4978.1 | 5070.1 | 5546.0 | 5756.7 | 5754.2 | 5667.1 |
| 30° | 6184.1 | 6140.6 | 6073.9 | 5860.8 | 5513.3 | 5226.3 | 5234.8 | 5747.0 | 6057.0 | 6043.7 | 5894.8 |
| 32.5° | 6512.3 | 6479.6 | 6466.3 | 6301.6 | 5900.8 | 5519.3 | 5423.7 | 5969.8 | 6427.6 | 6415.5 | 6207.2 |
| 35° | 6764.2 | 6721.7 | 6737.5 | 6654.0 | 6323.4 | 5847.5 | 5654.9 | 6235.0 | 6878.0 | 6876.8 | 6617.6 |
| 37.5° | 7013.7 | 6976.0 | 6989.4 | 6933.7 | 6714.6 | 6264.1 | 5937.1 | 6559.5 | 7436.3 | 7462.8 | 7114.1 |
| 40° | 7241.3 | 7201.3 | 7254.5 | 7202.5 | 7018.5 | 6707.3 | 6258.0 | 6926.4 | 8082.8 | 8133.7 | 7714.8 |
| 42.5° | 7378.2 | 7346.6 | 7435.0 | 7436.3 | 7282.4 | 7081.4 | 6610.4 | 7330.9 | 8831.2 | 8945.1 | 8453.4 |
| 45° | 7425.3 | 7414.4 | 7547.6 | 7575.5 | 7516.1 | 7298.2 | 6927.7 | 7771.7 | 9637.7 | 9841.1 | 9295.0 |
| 47.5° | 7374.5 | 7353.9 | 7538.0 | 7640.9 | 7688.1 | 7399.9 | 7190.4 | 8248.8 | 10461.0 | 10759.0 | 10212.9 |
| 50° | 7117.8 | 7077.8 | 7351.5 | 7568.2 | 7736.5 | 7466.5 | 7455.6 | 8799.7 | 11397.2 | 11722.8 | 11135.6 |
| 52.5° | 6656.4 | 6626.1 | 6937.3 | 7313.9 | 7630.0 | 7499.2 | 7753.5 | 9401.5 | 12286.0 | 12707.3 | 12081.3 |
| 55° | 6066.7 | 6026.7 | 6369.5 | 6861.0 | 7364.8 | 7488.3 | 8051.4 | 10074.8 | 13334.6 | 13762.1 | 13058.5 |
| 57.5° | 5131.9 | 5051.9 | 5485.5 | 6066.7 | 6932.5 | 7475.0 | 8361.3 | 10744.5 | 14400.2 | 14912.4 | 14101.1 |
| 60° | 3768.4 | 3649.7 | 4181.3 | 4870.3 | 6087.3 | 7345.5 | 8745.2 | 11495.2 | 15678.9 | 16140.3 | 15239.4 |
| 62.5° | 2194.2 | 2125.1 | 2472.7 | 3115.7 | 4588.1 | 6582.6 | 8960.8 | 12368.3 | 16935.9 | 17420.2 | 16358.3 |
| 65° | 1703.8 | 1684.4 | 1714.6 | 1764.3 | 2553.8 | 4928.4 | 8295.9 | 13219.5 | 18534.3 | 18873.3 | 17524.3 |
| 67.5° | 1558.4 | 1544.0 | 1557.3 | 1464.0 | 1295.7 | 2745.2 | 6563.2 | 13435.1 | 20246.5 | 20452.3 | 18545.1 |
| 70° | 1385.3 | 1368.4 | 1411.9 | 1332.0 | 1019.6 | 1248.4 | 4240.6 | 12652.8 | 21608.7 | 21995.1 | 19321.4 |
| 72.5° | 1128.5 | 1109.2 | 1210.9 | 1174.5 | 858.5 | 801.7 | 2130.0 | 10794.1 | 21465.9 | 22267.5 | 18765.6 |
| 75° | 867.0 | 856.1 | 977.2 | 1007.5 | 699.9 | 630.9 | 1022.0 | 8023.5 | 18890.2 | 19697.9 | 16173.0 |
| 77.5° | 673.2 | 664.8 | 726.5 | 836.7 | 564.3 | 489.2 | 628.4 | 5089.4 | 14235.5 | 14377.2 | 11145.2 |
| 80° | 504.9 | 480.7 | 537.6 | 647.8 | 439.5 | 357.2 | 426.2 | 2968.0 | 8998.3 | 8156.7 | 4850.9 |
| 82.5° | 316.0 | 303.9 | 351.2 | 432.3 | 310.0 | 245.8 | 277.3 | 1639.6 | 3606.2 | 2123.9 | 936.0 |
| 85° | 180.4 | 175.6 | 191.4 | 247.0 | 168.3 | 141.7 | 158.7 | 724.2 | 658.8 | 452.8 | 282.2 |
| 87.5° | 72.7 | 70.2 | 87.2 | 110.2 | 61.8 | 52.1 | 55.7 | 174.4 | 145.3 | 134.4 | 93.3 |
| 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-SB3C-730-U-SL2

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 | 4595.4 |
| 2.5° | 4608.7 | 4608.7 | 4591.8 | 4565.1 | 4534.9 | 4515.5 | 4484.1 | 4475.6 | 4442.9 | 4433.1 | 4448.9 |
| 5° | 4664.5 | 4654.7 | 4602.7 | 4527.6 | 4424.7 | 4330.2 | 4226.1 | 4160.7 | 4068.6 | 4035.9 | 4060.2 |
| 7.5° | 4734.7 | 4708.0 | 4618.4 | 4453.7 | 4238.2 | 4026.3 | 3805.9 | 3638.7 | 3479.0 | 3422.1 | 3429.3 |
| 10° | 4798.8 | 4761.3 | 4608.7 | 4320.6 | 3947.6 | 3580.6 | 3229.5 | 2983.7 | 2797.2 | 2721.0 | 2737.9 |
| 12.5° | 4863.0 | 4794.0 | 4544.5 | 4099.0 | 3534.6 | 3037.0 | 2662.8 | 2471.5 | 2356.5 | 2264.4 | 2294.7 |
| 15° | 4923.6 | 4826.7 | 4445.2 | 3802.2 | 3081.8 | 2576.8 | 2300.7 | 2148.2 | 2056.1 | 1995.6 | 2006.4 |
| 17.5° | 4993.8 | 4854.6 | 4296.3 | 3425.7 | 2650.6 | 2258.4 | 2033.1 | 1941.1 | 1922.9 | 1915.6 | 1920.5 |
| 20° | 5091.9 | 4880.0 | 4100.2 | 3004.3 | 2333.4 | 2004.1 | 1887.8 | 1879.3 | 1878.1 | 1874.5 | 1886.6 |
| 22.5° | 5197.3 | 4910.3 | 3841.0 | 2621.6 | 2063.4 | 1845.4 | 1824.8 | 1807.9 | 1797.0 | 1795.8 | 1809.1 |
| 25° | 5322.0 | 4919.9 | 3516.5 | 2308.0 | 1833.3 | 1770.4 | 1746.2 | 1720.7 | 1713.5 | 1713.5 | 1720.7 |
| 27.5° | 5443.1 | 4887.3 | 3138.7 | 2035.5 | 1703.8 | 1701.3 | 1669.8 | 1661.4 | 1660.2 | 1663.8 | 1673.5 |
| 30° | 5564.1 | 4825.5 | 2763.3 | 1783.7 | 1628.7 | 1628.7 | 1617.8 | 1623.8 | 1628.7 | 1640.8 | 1649.2 |
| 32.5° | 5727.6 | 4760.1 | 2449.6 | 1597.2 | 1563.3 | 1551.1 | 1562.1 | 1574.2 | 1579.0 | 1594.8 | 1608.1 |
| 35° | 5967.3 | 4714.1 | 2200.3 | 1495.5 | 1495.5 | 1479.7 | 1485.8 | 1483.4 | 1472.5 | 1465.2 | 1482.1 |
| 37.5° | 6284.7 | 4711.7 | 1994.3 | 1448.2 | 1438.6 | 1436.1 | 1437.4 | 1421.6 | 1379.2 | 1328.4 | 1329.6 |
| 40° | 6666.1 | 4777.0 | 1835.8 | 1415.5 | 1408.2 | 1422.8 | 1415.5 | 1373.2 | 1257.0 | 1168.5 | 1166.1 |
| 42.5° | 7178.3 | 4963.6 | 1734.0 | 1375.6 | 1397.4 | 1415.5 | 1386.5 | 1239.9 | 1161.2 | 1102.0 | 1099.5 |
| 45° | 7781.3 | 5266.2 | 1681.9 | 1333.2 | 1376.8 | 1398.6 | 1258.2 | 1193.9 | 1131.0 | 1059.5 | 1054.7 |
| 47.5° | 8464.2 | 5647.7 | 1669.8 | 1293.2 | 1330.8 | 1344.1 | 1203.7 | 1174.5 | 1103.1 | 1025.6 | 1019.6 |
| 50° | 9207.8 | 6099.4 | 1702.5 | 1246.0 | 1264.2 | 1218.2 | 1185.5 | 1158.9 | 1085.0 | 1008.7 | 1000.2 |
| 52.5° | 9976.7 | 6597.1 | 1767.9 | 1181.8 | 1197.6 | 1146.8 | 1178.2 | 1155.2 | 1074.1 | 971.2 | 963.9 |
| 55° | 10732.4 | 7098.4 | 1830.9 | 1106.8 | 1129.8 | 1082.6 | 1157.6 | 1140.7 | 1024.4 | 908.2 | 902.1 |
| 57.5° | 11500.1 | 7597.3 | 1892.7 | 1040.2 | 1064.4 | 1020.8 | 1124.9 | 1102.0 | 968.7 | 850.0 | 847.7 |
| 60° | 12298.1 | 8081.6 | 1921.8 | 976.0 | 992.9 | 963.9 | 1075.3 | 1035.4 | 905.8 | 790.7 | 787.1 |
| 62.5° | 13045.2 | 8484.8 | 1874.5 | 911.8 | 922.7 | 910.6 | 1009.9 | 956.6 | 842.8 | 724.2 | 722.9 |
| 65° | 13794.8 | 8724.6 | 1729.2 | 848.8 | 851.3 | 845.2 | 917.9 | 871.9 | 769.0 | 666.0 | 658.8 |
| 67.5° | 14474.0 | 8859.1 | 1497.9 | 781.0 | 775.0 | 772.5 | 831.9 | 779.8 | 697.5 | 607.9 | 600.6 |
| 70° | 14618.1 | 8517.5 | 1144.3 | 701.1 | 701.1 | 695.1 | 737.5 | 684.2 | 618.8 | 546.1 | 543.7 |
| 72.5° | 13351.5 | 7165.0 | 812.5 | 610.3 | 620.0 | 607.9 | 643.0 | 598.2 | 538.8 | 490.5 | 475.9 |
| 75° | 10766.3 | 5254.2 | 590.9 | 517.0 | 534.0 | 513.4 | 546.1 | 514.7 | 463.8 | 462.6 | 416.6 |
| 77.5° | 7397.5 | 3248.8 | 428.7 | 426.2 | 438.4 | 411.7 | 449.3 | 432.3 | 386.3 | 365.7 | 342.7 |
| 80° | 3156.9 | 1295.7 | 312.4 | 329.3 | 329.3 | 305.1 | 348.7 | 353.6 | 313.6 | 303.9 | 303.9 |
| 82.5° | 628.4 | 368.1 | 219.1 | 226.4 | 213.1 | 205.8 | 247.0 | 273.7 | 377.8 | 420.1 | 421.4 |
| 85° | 188.9 | 135.6 | 132.0 | 123.5 | 109.0 | 110.2 | 145.3 | 274.9 | 339.1 | 193.7 | 167.1 |
| 87.5° | 52.1 | 33.9 | 35.2 | 27.9 | 23.0 | 30.2 | 49.6 | 208.3 | 113.8 | 48.5 | 41.2 |
| 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)