

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: P961307

Luminaire Tested: **NVN-SB2A-722-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P961307
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-SB2A-722-U-SLL-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 350mA 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: 5797.4 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

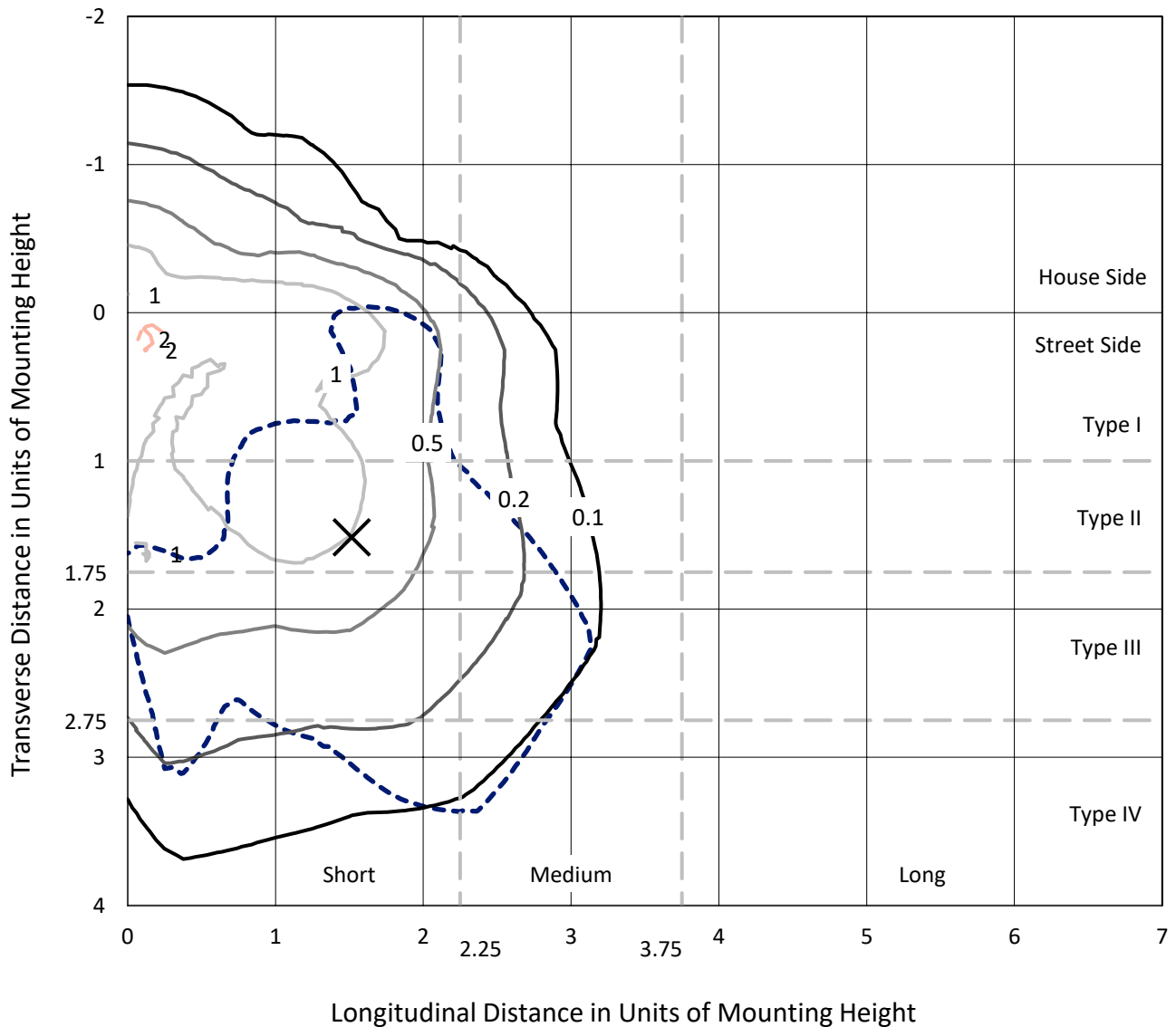
Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P961307
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Iso-Footcandle Lines of Horizontal Illumination

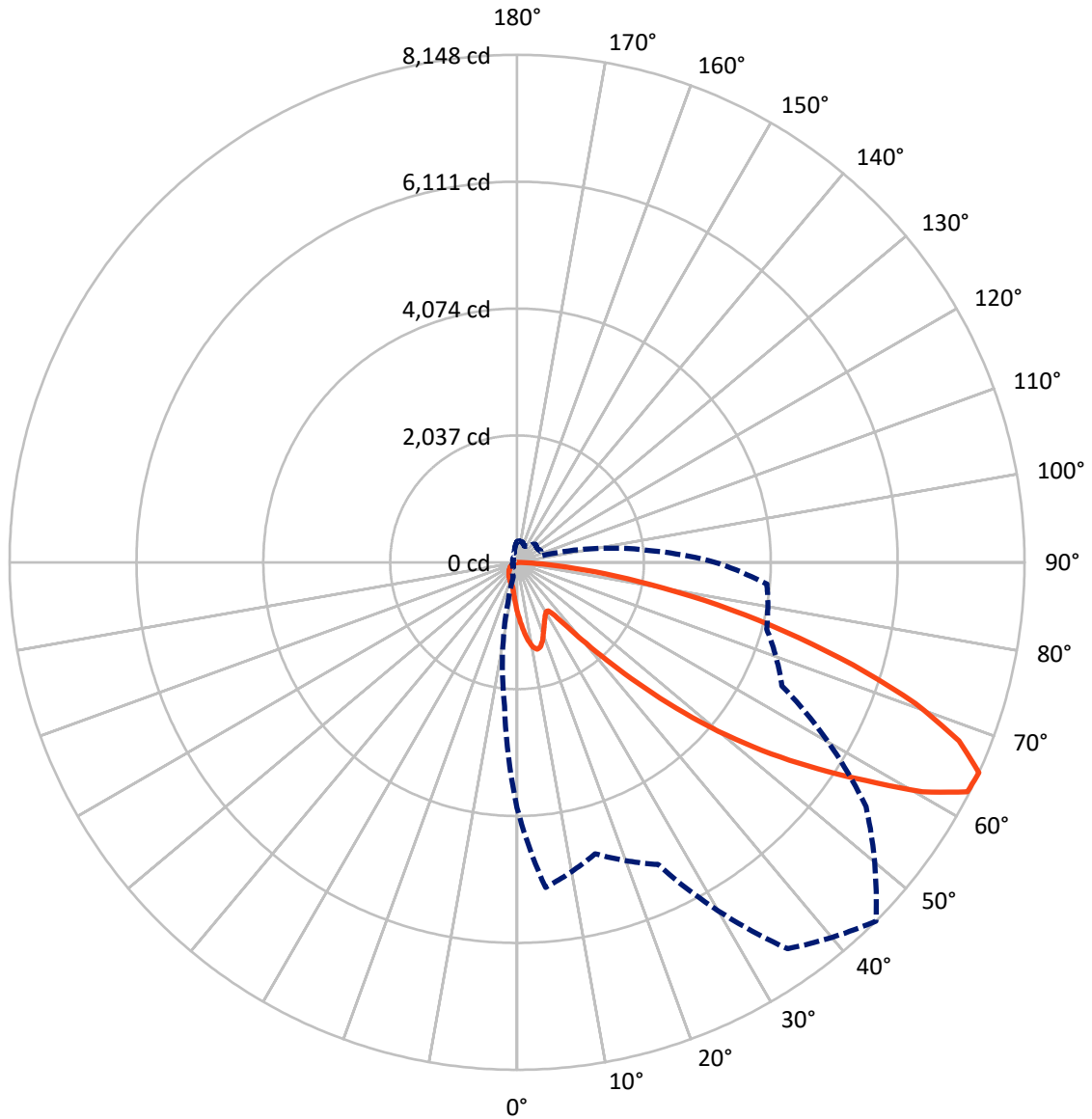
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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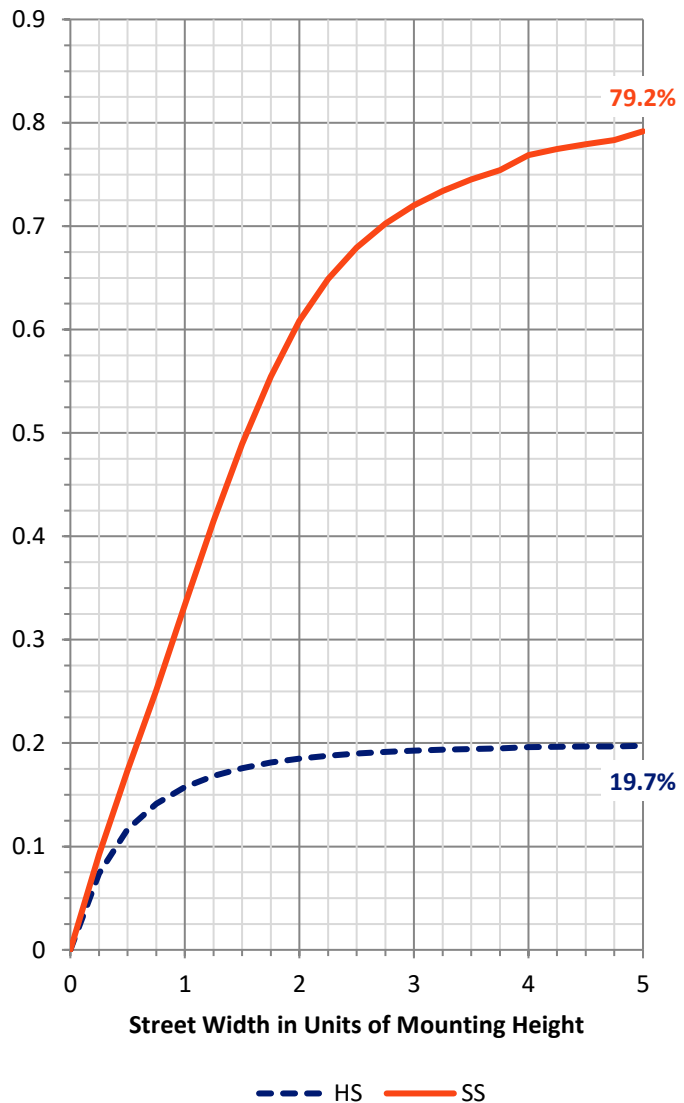
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1152.3 | 0.0 | 1152.3 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 4645.1 | 0.0 | 4645.1 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 5797.4 | 0.0 | 5797.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.0 | 1.4 |
| 10°-20° | 236.9 | 4.1 |
| 20°-30° | 349.0 | 6.0 |
| 30°-40° | 448.4 | 7.7 |
| 40°-50° | 725.2 | 12.5 |
| 50°-60° | 1271.7 | 21.9 |
| 60°-70° | 1591.3 | 27.4 |
| 70°-80° | 929.9 | 16.0 |
| 80°-90° | 165.9 | 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° | 5797.4 | 100.0 |
| 0°-180° | 5797.4 | 100.0 |

Coefficient of Utilization



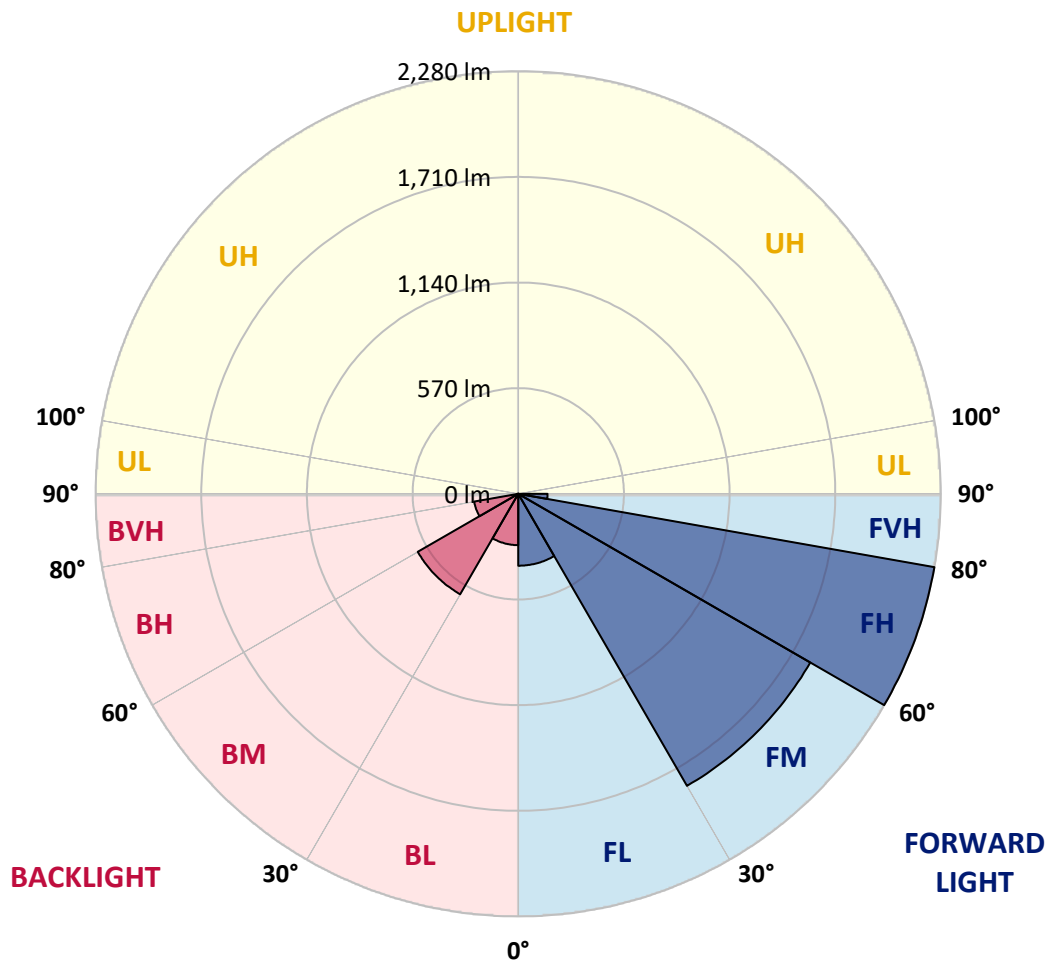
REPORT NUMBER: P961307
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 387.9 | 6.7 | | | |
| FM (30°-60°) | 1819.3 | 31.4 | | | |
| FH (60°-80°) | 2279.7 | 39.3 | | | G2/5000 |
| FVH (80°-90°) | 158.1 | 2.7 | | | G2/225 |
| BL (0°-30°) | 277.1 | 4.8 | B1/500 | | |
| BM (30°-60°) | 626.1 | 10.8 | B1/1000 | | |
| BH (60°-80°) | 241.4 | 4.2 | B1/500 | | G1/500 |
| BVH (80°-90°) | 7.8 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Short



REPORT NUMBER: P961307
 CATALOG NUMBER: NVN-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 |
| 2.5° | 899.4 | 906.2 | 921.4 | 929.4 | 941.8 | 942.5 | 942.5 | 931.7 | 931.3 | 909.4 | 907.0 |
| 5° | 1005.2 | 1021.2 | 1057.2 | 1094.3 | 1102.3 | 1104.3 | 1100.3 | 1078.7 | 1062.7 | 1020.0 | 1010.9 |
| 7.5° | 1110.3 | 1141.0 | 1195.8 | 1245.3 | 1261.3 | 1261.3 | 1251.6 | 1216.5 | 1183.8 | 1121.9 | 1098.7 |
| 10° | 1197.3 | 1236.0 | 1310.4 | 1365.9 | 1384.3 | 1380.3 | 1360.7 | 1316.4 | 1271.2 | 1196.2 | 1165.8 |
| 12.5° | 1254.8 | 1298.4 | 1379.9 | 1424.5 | 1443.4 | 1432.9 | 1410.6 | 1367.5 | 1320.0 | 1240.9 | 1206.5 |
| 15° | 1283.6 | 1329.1 | 1399.8 | 1423.4 | 1418.2 | 1407.4 | 1404.7 | 1383.9 | 1347.9 | 1274.0 | 1236.5 |
| 17.5° | 1296.0 | 1338.3 | 1387.4 | 1372.7 | 1328.7 | 1320.3 | 1348.3 | 1374.6 | 1365.9 | 1302.8 | 1267.6 |
| 20° | 1307.6 | 1343.2 | 1357.9 | 1292.4 | 1215.8 | 1208.2 | 1261.7 | 1336.7 | 1375.0 | 1329.5 | 1297.1 |
| 22.5° | 1323.6 | 1345.5 | 1315.2 | 1207.8 | 1125.0 | 1107.5 | 1166.6 | 1279.6 | 1377.9 | 1363.5 | 1331.2 |
| 25° | 1345.5 | 1351.5 | 1268.0 | 1127.5 | 1044.4 | 1026.8 | 1081.9 | 1216.2 | 1373.1 | 1400.3 | 1372.7 |
| 27.5° | 1371.9 | 1359.5 | 1222.9 | 1060.4 | 980.1 | 963.7 | 1018.8 | 1155.0 | 1359.5 | 1436.9 | 1417.4 |
| 30° | 1406.2 | 1369.9 | 1178.1 | 1008.4 | 934.2 | 922.2 | 975.3 | 1102.3 | 1342.7 | 1483.7 | 1472.9 |
| 32.5° | 1440.9 | 1374.2 | 1136.6 | 978.1 | 923.7 | 928.1 | 971.7 | 1073.9 | 1324.3 | 1528.4 | 1533.6 |
| 35° | 1478.5 | 1388.3 | 1116.2 | 1008.0 | 1010.4 | 1048.8 | 1066.7 | 1100.3 | 1321.5 | 1589.2 | 1609.5 |
| 37.5° | 1529.6 | 1419.4 | 1140.6 | 1157.0 | 1240.0 | 1319.6 | 1304.8 | 1229.3 | 1353.9 | 1679.8 | 1717.7 |
| 40° | 1603.1 | 1474.2 | 1246.9 | 1410.6 | 1581.2 | 1710.1 | 1653.8 | 1463.7 | 1452.9 | 1810.4 | 1867.1 |
| 42.5° | 1710.1 | 1561.2 | 1435.4 | 1720.6 | 2009.7 | 2222.2 | 2071.2 | 1766.1 | 1626.3 | 1996.9 | 2069.2 |
| 45° | 1868.3 | 1702.1 | 1663.4 | 2047.6 | 2538.1 | 2872.8 | 2558.8 | 2088.3 | 1869.1 | 2279.3 | 2336.0 |
| 47.5° | 2087.5 | 1909.5 | 1877.1 | 2392.2 | 3180.3 | 3613.2 | 3099.6 | 2387.1 | 2145.4 | 2664.3 | 2677.4 |
| 50° | 2378.7 | 2188.6 | 2079.6 | 2769.3 | 3884.3 | 4368.0 | 3640.0 | 2675.5 | 2462.2 | 3134.8 | 3119.6 |
| 52.5° | 2762.9 | 2578.0 | 2315.6 | 3128.3 | 4608.4 | 5106.9 | 4182.7 | 2928.6 | 2855.1 | 3680.7 | 3649.5 |
| 55° | 3286.9 | 3163.9 | 2638.4 | 3471.1 | 5332.2 | 5850.1 | 4704.3 | 3167.5 | 3374.4 | 4329.3 | 4140.8 |
| 57.5° | 3937.1 | 4025.0 | 3103.6 | 3868.3 | 5982.7 | 6616.2 | 5228.3 | 3501.4 | 4048.5 | 5054.6 | 4426.0 |
| 60° | 4356.5 | 5170.0 | 3994.6 | 4455.9 | 6722.0 | 7482.4 | 5946.3 | 4136.4 | 4757.0 | 5314.5 | 4371.6 |
| 62.5° | 4255.0 | 5534.2 | 5061.8 | 5205.9 | 7401.7 | 8112.3 | 6650.1 | 4774.1 | 4890.4 | 4931.6 | 3953.0 |
| 65° | 3943.9 | 5240.3 | 4844.0 | 5351.7 | 7573.8 | 8147.7 | 6838.2 | 4691.9 | 4148.4 | 4026.2 | 3177.5 |
| 67.5° | 3515.7 | 4891.6 | 4326.9 | 4965.1 | 7262.7 | 7650.9 | 6487.9 | 4150.3 | 3205.8 | 3021.3 | 2305.2 |
| 70° | 3053.7 | 4505.8 | 3987.5 | 4531.3 | 6669.7 | 6785.1 | 5892.4 | 3650.3 | 2357.9 | 2040.5 | 1479.3 |
| 72.5° | 2615.2 | 4104.0 | 3755.0 | 4086.9 | 5878.5 | 5639.7 | 5117.2 | 3208.2 | 1717.0 | 1471.7 | 1051.5 |
| 75° | 2166.6 | 3511.3 | 3423.9 | 3558.9 | 4838.1 | 4442.3 | 4251.8 | 2656.3 | 1347.5 | 1064.8 | 725.7 |
| 77.5° | 1671.8 | 2743.7 | 2945.0 | 2850.0 | 3405.6 | 3299.7 | 3295.7 | 1996.1 | 984.5 | 710.5 | 454.9 |
| 80° | 1144.2 | 1912.2 | 2300.8 | 2010.4 | 2210.2 | 2156.3 | 2482.1 | 1339.2 | 714.1 | 427.7 | 253.2 |
| 82.5° | 672.6 | 1164.2 | 1601.6 | 973.3 | 1222.1 | 1254.5 | 1478.2 | 651.4 | 420.1 | 98.6 | 55.1 |
| 85° | 272.8 | 459.7 | 626.3 | 381.0 | 589.5 | 497.2 | 561.1 | 183.0 | 117.1 | 2.4 | 0.0 |
| 87.5° | 68.7 | 147.0 | 103.0 | 42.7 | 68.3 | 62.7 | 49.5 | 22.3 | 4.8 | 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 |

REPORT NUMBER: P961307
 CATALOG NUMBER: NVN-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 |
| 2.5° | 891.4 | 882.2 | 859.5 | 836.7 | 818.4 | 793.6 | 777.2 | 757.6 | 738.8 | 722.1 | 718.9 |
| 5° | 985.6 | 955.3 | 913.8 | 875.9 | 837.1 | 799.6 | 762.4 | 723.2 | 687.4 | 665.3 | 651.4 |
| 7.5° | 1062.3 | 1008.8 | 953.8 | 905.4 | 858.6 | 814.8 | 765.6 | 718.1 | 661.7 | 631.8 | 604.6 |
| 10° | 1119.5 | 1049.2 | 976.9 | 921.4 | 874.2 | 831.5 | 790.0 | 742.0 | 674.1 | 636.6 | 595.8 |
| 12.5° | 1157.0 | 1073.6 | 988.8 | 925.4 | 872.7 | 839.5 | 821.1 | 802.4 | 734.8 | 691.0 | 631.8 |
| 15° | 1183.0 | 1090.7 | 997.2 | 916.1 | 851.5 | 827.1 | 845.5 | 867.0 | 823.9 | 773.2 | 696.1 |
| 17.5° | 1211.3 | 1113.0 | 1000.8 | 891.4 | 810.4 | 799.9 | 847.5 | 897.4 | 895.4 | 845.1 | 769.6 |
| 20° | 1241.3 | 1132.6 | 998.5 | 851.5 | 760.4 | 769.6 | 830.4 | 888.3 | 912.6 | 885.4 | 818.4 |
| 22.5° | 1272.0 | 1151.4 | 989.2 | 799.6 | 713.7 | 742.4 | 803.2 | 853.8 | 882.6 | 874.2 | 823.1 |
| 25° | 1310.8 | 1177.7 | 975.7 | 743.6 | 675.0 | 714.9 | 771.6 | 812.7 | 832.7 | 832.3 | 797.1 |
| 27.5° | 1357.1 | 1212.9 | 968.5 | 698.5 | 647.4 | 683.8 | 734.1 | 770.8 | 784.7 | 784.7 | 756.9 |
| 30° | 1411.0 | 1254.5 | 960.5 | 668.9 | 631.4 | 651.4 | 690.5 | 726.5 | 740.5 | 740.5 | 716.9 |
| 32.5° | 1470.9 | 1294.4 | 941.4 | 651.0 | 619.4 | 619.8 | 644.6 | 677.3 | 694.1 | 696.5 | 679.8 |
| 35° | 1542.8 | 1337.1 | 899.4 | 636.6 | 605.5 | 589.1 | 601.1 | 628.2 | 648.2 | 653.3 | 643.0 |
| 37.5° | 1637.0 | 1389.5 | 839.5 | 615.4 | 583.9 | 556.8 | 559.5 | 580.3 | 602.3 | 610.3 | 603.4 |
| 40° | 1763.6 | 1451.0 | 777.2 | 585.1 | 553.5 | 521.2 | 520.0 | 535.2 | 556.8 | 565.5 | 561.9 |
| 42.5° | 1931.0 | 1524.8 | 717.7 | 556.0 | 516.8 | 483.7 | 481.6 | 493.6 | 512.4 | 521.6 | 520.0 |
| 45° | 2145.1 | 1615.5 | 666.6 | 533.2 | 480.8 | 448.1 | 447.3 | 457.3 | 473.7 | 483.3 | 481.2 |
| 47.5° | 2442.6 | 1706.1 | 631.8 | 521.2 | 452.5 | 418.9 | 420.6 | 429.4 | 444.1 | 450.9 | 448.1 |
| 50° | 2830.4 | 1733.7 | 614.3 | 521.2 | 437.4 | 393.0 | 401.0 | 408.2 | 419.3 | 423.3 | 419.7 |
| 52.5° | 3202.6 | 1642.7 | 598.3 | 524.4 | 439.3 | 371.0 | 388.2 | 393.4 | 402.9 | 404.6 | 399.3 |
| 55° | 3385.2 | 1412.2 | 576.3 | 525.2 | 451.7 | 352.3 | 377.8 | 387.4 | 391.0 | 390.6 | 381.8 |
| 57.5° | 3322.4 | 1141.8 | 539.2 | 522.0 | 460.1 | 340.3 | 365.0 | 383.5 | 385.8 | 382.2 | 365.8 |
| 60° | 3102.4 | 840.7 | 510.8 | 498.5 | 456.8 | 336.7 | 345.4 | 374.6 | 378.2 | 373.4 | 346.7 |
| 62.5° | 2733.4 | 583.5 | 488.8 | 446.5 | 442.9 | 335.5 | 314.7 | 355.5 | 364.3 | 357.4 | 318.3 |
| 65° | 2151.9 | 412.2 | 421.0 | 391.3 | 412.6 | 329.1 | 282.8 | 332.3 | 344.3 | 333.8 | 278.8 |
| 67.5° | 1456.1 | 297.6 | 341.1 | 354.6 | 363.5 | 314.7 | 259.6 | 306.0 | 321.8 | 308.3 | 232.9 |
| 70° | 786.4 | 208.9 | 225.3 | 298.8 | 308.7 | 290.0 | 238.8 | 279.2 | 297.6 | 282.8 | 189.7 |
| 72.5° | 464.5 | 150.2 | 157.7 | 240.1 | 257.2 | 255.2 | 215.7 | 248.0 | 270.4 | 252.8 | 154.2 |
| 75° | 256.0 | 101.5 | 112.6 | 174.1 | 208.9 | 196.9 | 185.3 | 210.1 | 232.9 | 215.7 | 119.0 |
| 77.5° | 114.6 | 60.7 | 78.3 | 114.2 | 164.1 | 135.0 | 143.4 | 163.8 | 184.9 | 167.0 | 79.4 |
| 80° | 44.3 | 33.9 | 52.0 | 62.3 | 119.4 | 74.7 | 92.2 | 120.6 | 135.8 | 121.5 | 48.3 |
| 82.5° | 5.6 | 15.2 | 22.3 | 24.4 | 69.5 | 39.6 | 53.5 | 75.8 | 74.7 | 64.7 | 24.4 |
| 85° | 0.0 | 2.8 | 3.2 | 1.6 | 29.9 | 14.3 | 17.5 | 24.8 | 23.2 | 17.5 | 1.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 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 |

REPORT NUMBER: P961307
 CATALOG NUMBER: NVN-SB2A-722-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 | 802.8 |
| 2.5° | 699.4 | 684.9 | 677.7 | 671.8 | 677.3 | 680.5 | 680.5 | 694.1 | 702.1 | 705.3 | 727.6 |
| 5° | 616.2 | 589.5 | 571.5 | 560.8 | 564.4 | 568.4 | 572.7 | 589.9 | 601.5 | 609.1 | 643.8 |
| 7.5° | 550.7 | 510.0 | 484.8 | 471.7 | 473.7 | 476.4 | 480.0 | 496.8 | 508.4 | 518.4 | 557.1 |
| 10° | 518.4 | 460.8 | 427.7 | 411.7 | 409.0 | 407.3 | 406.2 | 416.2 | 425.0 | 433.0 | 471.3 |
| 12.5° | 520.0 | 439.7 | 399.3 | 379.8 | 371.5 | 361.8 | 354.2 | 355.9 | 361.4 | 371.5 | 395.8 |
| 15° | 540.4 | 433.0 | 384.6 | 360.3 | 346.2 | 335.1 | 325.8 | 323.9 | 325.8 | 327.5 | 342.7 |
| 17.5° | 568.0 | 432.1 | 371.9 | 341.4 | 327.1 | 318.0 | 309.5 | 306.7 | 307.1 | 309.1 | 313.1 |
| 20° | 589.9 | 429.8 | 357.4 | 323.5 | 310.7 | 302.7 | 294.4 | 291.5 | 292.3 | 292.7 | 297.1 |
| 22.5° | 601.5 | 426.1 | 341.4 | 305.6 | 294.8 | 286.8 | 279.2 | 278.8 | 278.8 | 281.2 | 284.3 |
| 25° | 601.5 | 418.5 | 327.1 | 288.3 | 278.8 | 271.6 | 262.4 | 264.0 | 264.8 | 267.9 | 272.8 |
| 27.5° | 587.1 | 404.2 | 315.5 | 273.6 | 263.6 | 256.4 | 248.0 | 250.0 | 251.2 | 254.8 | 260.8 |
| 30° | 568.7 | 387.0 | 302.4 | 259.6 | 248.0 | 242.8 | 235.6 | 236.5 | 238.0 | 242.0 | 248.8 |
| 32.5° | 549.2 | 366.6 | 291.5 | 245.6 | 234.0 | 230.0 | 222.0 | 223.2 | 224.9 | 229.3 | 236.9 |
| 35° | 527.6 | 342.7 | 278.8 | 232.9 | 221.3 | 218.0 | 208.9 | 209.7 | 212.1 | 216.9 | 224.5 |
| 37.5° | 504.8 | 323.1 | 266.0 | 220.5 | 208.5 | 205.3 | 195.7 | 196.5 | 199.3 | 204.9 | 212.1 |
| 40° | 482.5 | 303.9 | 252.5 | 207.3 | 195.3 | 192.5 | 182.1 | 183.0 | 186.1 | 192.1 | 199.7 |
| 42.5° | 458.1 | 289.2 | 234.8 | 193.7 | 180.9 | 178.1 | 168.5 | 169.7 | 173.3 | 179.3 | 187.0 |
| 45° | 429.0 | 279.5 | 215.2 | 180.9 | 166.6 | 163.8 | 155.0 | 157.3 | 161.3 | 167.4 | 175.4 |
| 47.5° | 398.9 | 275.6 | 198.8 | 167.4 | 151.8 | 149.3 | 142.2 | 146.2 | 150.6 | 155.4 | 164.1 |
| 50° | 370.2 | 270.4 | 182.1 | 154.6 | 139.0 | 136.6 | 131.8 | 136.9 | 141.3 | 145.8 | 154.2 |
| 52.5° | 337.4 | 259.2 | 167.0 | 143.4 | 128.2 | 127.4 | 125.0 | 129.8 | 133.8 | 137.8 | 144.9 |
| 55° | 303.5 | 241.2 | 153.8 | 133.4 | 119.0 | 119.8 | 118.6 | 122.6 | 125.8 | 129.4 | 135.8 |
| 57.5° | 274.0 | 218.4 | 143.4 | 122.6 | 111.0 | 113.5 | 111.8 | 113.8 | 115.8 | 120.2 | 125.4 |
| 60° | 244.1 | 191.3 | 131.8 | 109.9 | 103.0 | 105.9 | 101.5 | 101.1 | 101.9 | 103.0 | 112.6 |
| 62.5° | 203.7 | 163.0 | 117.5 | 98.6 | 94.3 | 95.4 | 87.0 | 80.7 | 80.7 | 81.9 | 96.2 |
| 65° | 163.8 | 136.6 | 101.5 | 85.9 | 82.3 | 81.5 | 69.5 | 60.7 | 59.9 | 63.6 | 75.8 |
| 67.5° | 134.6 | 113.5 | 85.5 | 71.4 | 69.1 | 69.9 | 61.1 | 52.3 | 51.6 | 55.6 | 64.7 |
| 70° | 111.4 | 91.4 | 68.3 | 55.1 | 57.5 | 61.1 | 52.3 | 44.0 | 42.7 | 46.3 | 55.1 |
| 72.5° | 88.7 | 71.4 | 52.3 | 40.7 | 47.6 | 52.0 | 42.7 | 34.7 | 33.9 | 37.1 | 45.5 |
| 75° | 65.1 | 51.1 | 35.6 | 29.5 | 36.7 | 40.7 | 31.2 | 24.8 | 23.6 | 26.3 | 34.7 |
| 77.5° | 40.4 | 28.8 | 22.3 | 17.5 | 25.1 | 27.2 | 16.4 | 14.3 | 13.9 | 16.0 | 21.9 |
| 80° | 18.8 | 12.4 | 10.8 | 5.9 | 9.2 | 10.8 | 6.8 | 7.6 | 8.0 | 9.6 | 13.5 |
| 82.5° | 5.2 | 1.9 | 0.4 | 0.0 | 0.0 | 3.2 | 1.6 | 3.2 | 4.0 | 5.9 | 8.8 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.9 | 3.6 | 6.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 3.2 |
| 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: P961307
 CATALOG NUMBER: NVN-SB2A-722-U-SLL-HSS

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| 2.5° | 744.5 | 760.4 | 786.0 | 812.3 | 838.3 | 864.7 | 890.2 | 899.4 |
| 5° | 675.4 | 712.1 | 762.8 | 817.1 | 873.1 | 929.8 | 981.6 | 1005.2 |
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| 17.5° | 323.1 | 363.5 | 470.9 | 633.9 | 838.3 | 1048.4 | 1228.1 | 1296.0 |
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| 22.5° | 284.3 | 287.2 | 314.0 | 467.3 | 762.0 | 1030.0 | 1250.1 | 1323.6 |
| 25° | 272.8 | 273.6 | 280.7 | 370.2 | 698.5 | 1027.3 | 1271.6 | 1345.5 |
| 27.5° | 261.2 | 261.2 | 265.2 | 298.4 | 612.2 | 1015.3 | 1299.6 | 1371.9 |
| 30° | 249.6 | 249.6 | 252.5 | 264.0 | 511.2 | 991.7 | 1333.1 | 1406.2 |
| 32.5° | 237.6 | 237.6 | 240.1 | 248.5 | 408.2 | 962.1 | 1363.9 | 1440.9 |
| 35° | 225.6 | 224.9 | 228.1 | 236.9 | 324.7 | 924.6 | 1394.6 | 1478.5 |
| 37.5° | 212.9 | 212.5 | 215.7 | 225.6 | 280.3 | 881.0 | 1417.8 | 1529.6 |
| 40° | 199.3 | 199.3 | 202.8 | 213.7 | 267.6 | 826.4 | 1454.6 | 1603.1 |
| 42.5° | 187.0 | 186.1 | 190.1 | 203.3 | 258.0 | 774.0 | 1520.5 | 1710.1 |
| 45° | 175.0 | 173.3 | 176.9 | 193.3 | 241.2 | 755.6 | 1643.5 | 1868.3 |
| 47.5° | 163.8 | 159.8 | 163.0 | 181.3 | 226.0 | 824.3 | 1844.7 | 2087.5 |
| 50° | 154.6 | 147.0 | 149.8 | 169.3 | 214.4 | 973.3 | 2106.0 | 2378.7 |
| 52.5° | 144.9 | 135.0 | 136.6 | 154.6 | 204.1 | 1115.1 | 2389.1 | 2762.9 |
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| 57.5° | 123.8 | 113.5 | 113.5 | 126.2 | 178.6 | 984.9 | 2877.9 | 3937.1 |
| 60° | 111.4 | 104.7 | 102.6 | 115.4 | 188.1 | 694.9 | 2902.7 | 4356.5 |
| 62.5° | 97.9 | 94.3 | 91.4 | 105.1 | 195.3 | 411.7 | 2703.4 | 4255.0 |
| 65° | 82.3 | 81.5 | 79.4 | 115.4 | 164.5 | 243.2 | 2320.8 | 3943.9 |
| 67.5° | 69.1 | 67.9 | 67.9 | 121.1 | 125.0 | 152.9 | 1813.2 | 3515.7 |
| 70° | 59.6 | 55.1 | 55.1 | 91.4 | 75.8 | 105.9 | 1266.1 | 3053.7 |
| 72.5° | 49.9 | 45.1 | 41.9 | 73.1 | 56.7 | 77.5 | 791.2 | 2615.2 |
| 75° | 40.0 | 36.4 | 32.4 | 48.3 | 42.3 | 58.7 | 459.7 | 2166.6 |
| 77.5° | 28.8 | 27.2 | 22.8 | 35.6 | 30.7 | 42.3 | 273.6 | 1671.8 |
| 80° | 14.8 | 15.2 | 14.3 | 20.4 | 20.8 | 28.8 | 155.8 | 1144.2 |
| 82.5° | 8.8 | 6.8 | 7.6 | 9.9 | 12.0 | 16.4 | 58.7 | 672.6 |
| 85° | 5.6 | 3.6 | 3.6 | 4.8 | 5.9 | 6.4 | 17.9 | 272.8 |
| 87.5° | 2.8 | 1.2 | 1.6 | 2.4 | 1.9 | 1.6 | 0.8 | 68.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)