

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: P522655

Luminaire Tested: **GLAN-SA2A-760-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522655
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2A-760-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9203 lumens
Efficiency: N/A
Efficacy: 146.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

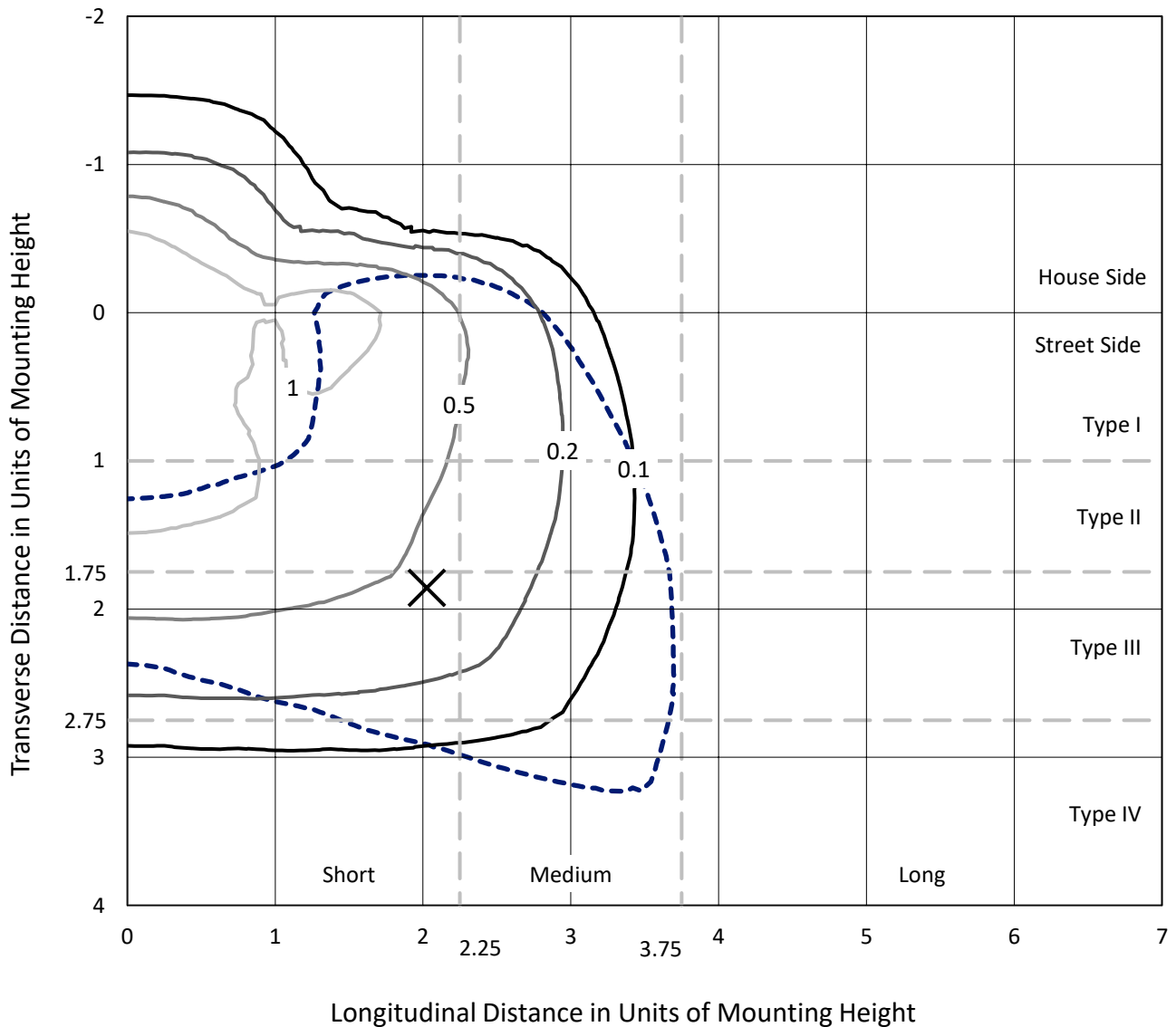
Input Watts (W): 63
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

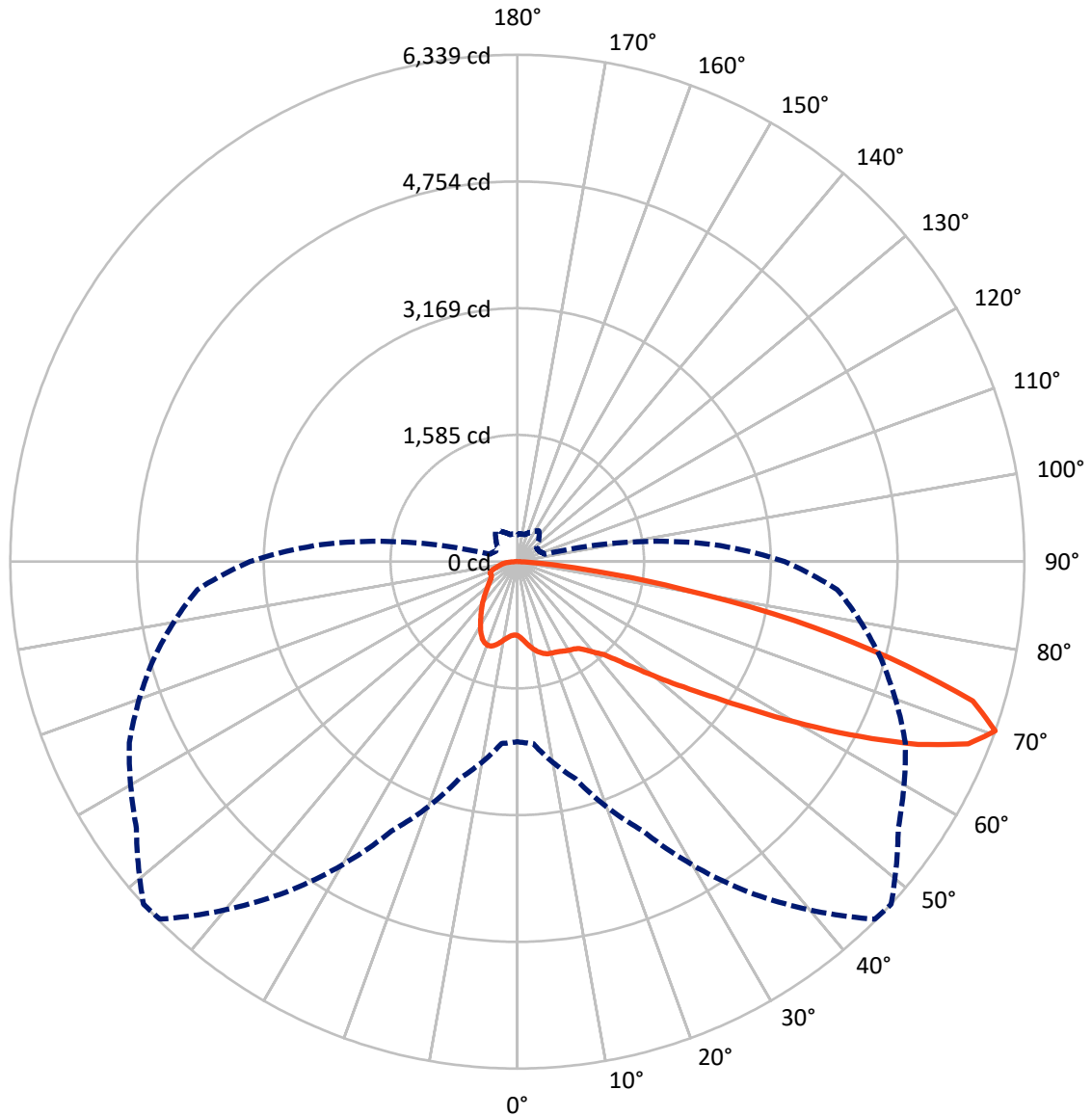
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47.5-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical



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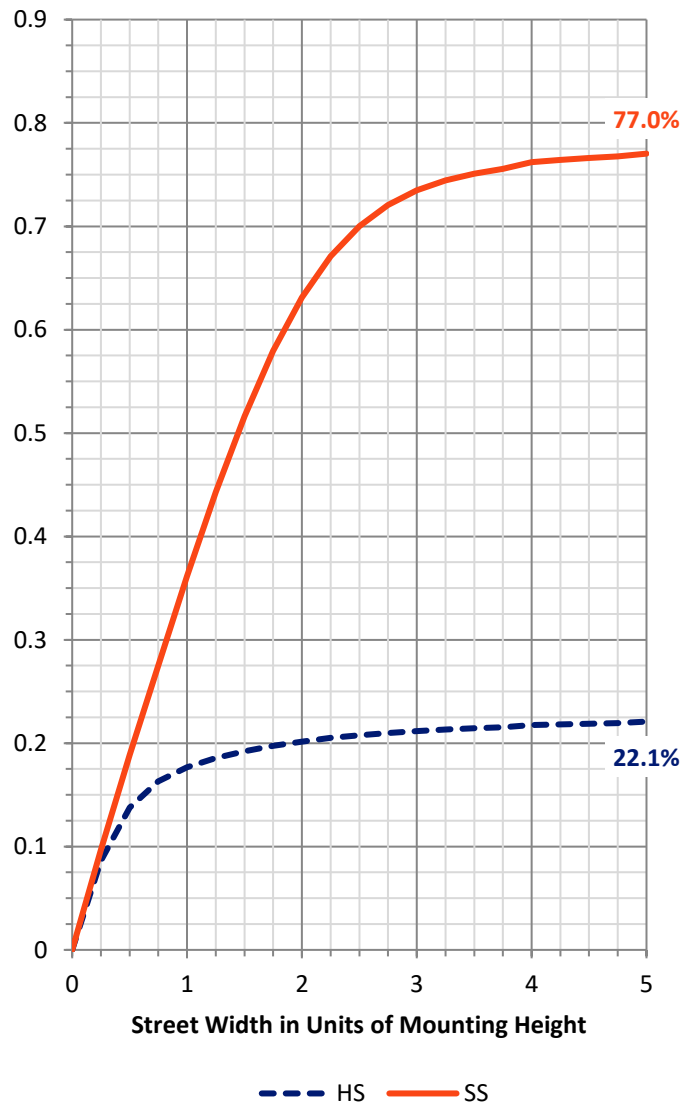
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2083.7 | 0.0 | 2083.7 |
| | % Fixture | 22.6 | 0.0 | 22.6 |
| Street Side | Lumens | 7119.3 | 0.0 | 7119.3 |
| | % Fixture | 77.4 | 0.0 | 77.4 |
| Total | Lumens | 9203.0 | 0.0 | 9203.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 95.2 | 1.0 |
| 10°-20° | 318.4 | 3.5 |
| 20°-30° | 529.4 | 5.8 |
| 30°-40° | 750.4 | 8.2 |
| 40°-50° | 1107.8 | 12.0 |
| 50°-60° | 1918.7 | 20.8 |
| 60°-70° | 2710.2 | 29.4 |
| 70°-80° | 1558.0 | 16.9 |
| 80°-90° | 215.0 | 2.3 |
| 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° | 9203.0 | 100.0 |
| 0°-180° | 9203.0 | 100.0 |



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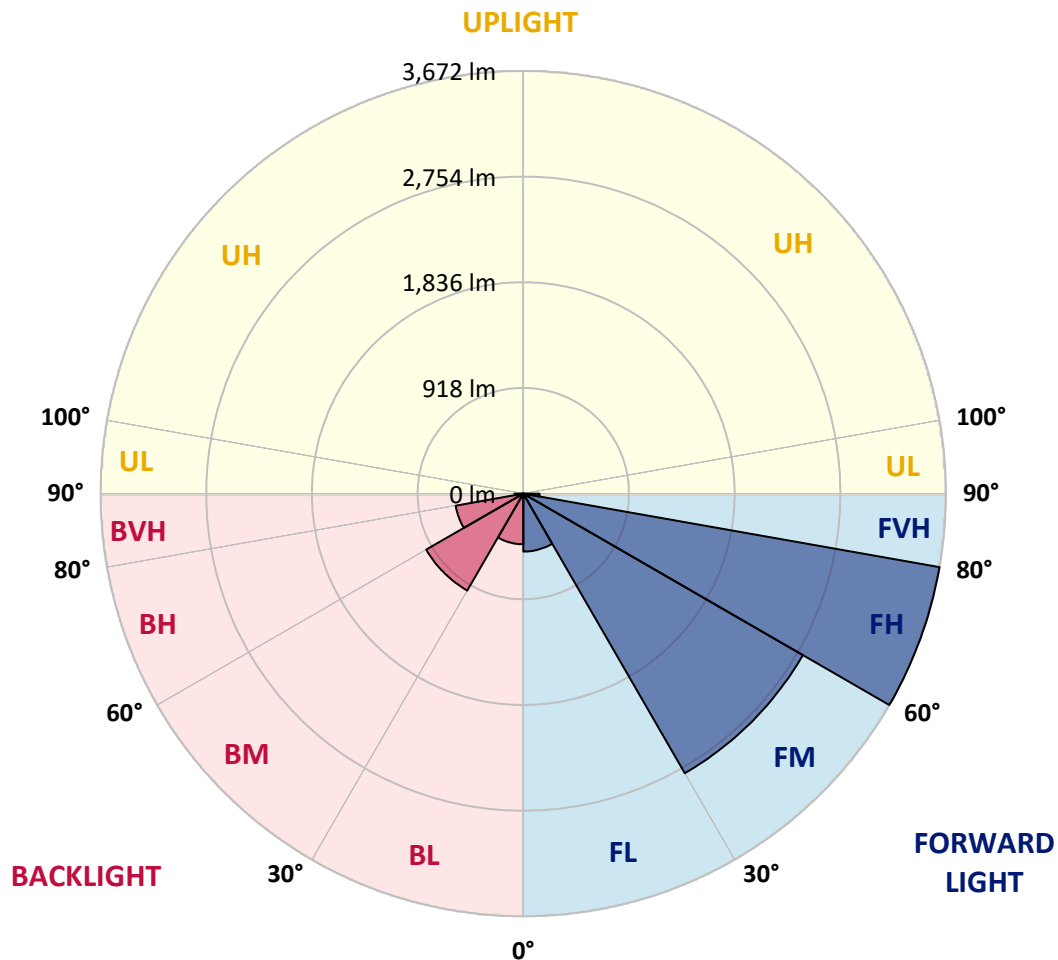
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 503.3 | 5.5 | | | |
| FM | (30°-60°) | 2804.0 | 30.5 | | | |
| FH | (60°-80°) | 3671.6 | 39.9 | | | G2/5000 |
| FVH | (80°-90°) | 140.4 | 1.5 | | | G2/225 |
| BL | (0°-30°) | 439.8 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 972.9 | 10.6 | B1/1000 | | |
| BH | (60°-80°) | 596.5 | 6.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 74.5 | 0.8 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 47.5° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 |
| 2.5° | 983.5 | 980.0 | 979.5 | 972.1 | 968.2 | 960.8 | 957.9 | 951.0 | 942.6 | 934.2 | 926.3 |
| 5° | 1060.8 | 1060.8 | 1057.3 | 1047.0 | 1030.7 | 1014.0 | 1006.6 | 993.3 | 969.7 | 950.5 | 934.2 |
| 7.5° | 1140.1 | 1141.0 | 1134.2 | 1118.9 | 1095.7 | 1068.7 | 1061.8 | 1042.1 | 1008.6 | 980.5 | 956.4 |
| 10° | 1208.5 | 1208.5 | 1199.2 | 1178.5 | 1149.4 | 1119.9 | 1113.0 | 1090.8 | 1053.4 | 1018.4 | 986.9 |
| 12.5° | 1260.7 | 1260.7 | 1248.4 | 1221.3 | 1189.8 | 1163.2 | 1155.3 | 1134.2 | 1099.2 | 1060.3 | 1020.4 |
| 15° | 1294.7 | 1292.2 | 1278.4 | 1247.9 | 1217.4 | 1194.2 | 1188.8 | 1171.1 | 1139.1 | 1099.7 | 1054.9 |
| 17.5° | 1296.2 | 1295.2 | 1281.9 | 1256.3 | 1229.7 | 1213.9 | 1210.5 | 1198.7 | 1173.6 | 1136.1 | 1088.8 |
| 20° | 1267.6 | 1269.6 | 1260.7 | 1242.5 | 1229.7 | 1222.8 | 1221.3 | 1217.4 | 1199.7 | 1164.7 | 1117.4 |
| 22.5° | 1237.1 | 1240.5 | 1232.2 | 1222.3 | 1221.3 | 1228.2 | 1229.2 | 1230.2 | 1218.9 | 1184.9 | 1141.5 |
| 25° | 1229.7 | 1232.2 | 1223.8 | 1214.9 | 1220.3 | 1238.6 | 1242.5 | 1246.4 | 1237.6 | 1209.0 | 1170.1 |
| 27.5° | 1267.1 | 1265.2 | 1248.9 | 1229.7 | 1233.1 | 1257.8 | 1263.2 | 1267.6 | 1263.2 | 1238.6 | 1205.6 |
| 30° | 1373.0 | 1366.6 | 1334.1 | 1278.0 | 1260.2 | 1277.5 | 1282.9 | 1295.2 | 1295.2 | 1277.0 | 1244.0 |
| 32.5° | 1550.3 | 1538.0 | 1478.4 | 1368.1 | 1306.5 | 1296.2 | 1301.6 | 1321.8 | 1332.1 | 1317.8 | 1281.9 |
| 35° | 1765.5 | 1752.7 | 1667.5 | 1519.3 | 1391.2 | 1333.6 | 1332.1 | 1354.8 | 1382.4 | 1350.3 | 1303.6 |
| 37.5° | 1981.7 | 1968.4 | 1866.0 | 1699.5 | 1514.8 | 1412.4 | 1403.5 | 1411.4 | 1423.2 | 1364.6 | 1333.6 |
| 40° | 2197.9 | 2182.1 | 2092.5 | 1900.9 | 1666.0 | 1516.8 | 1493.7 | 1458.2 | 1453.3 | 1411.4 | 1391.7 |
| 42.5° | 2412.1 | 2397.8 | 2352.5 | 2127.0 | 1847.2 | 1618.7 | 1583.3 | 1522.2 | 1540.9 | 1515.8 | 1498.6 |
| 45° | 2628.3 | 2629.3 | 2581.0 | 2380.6 | 2065.9 | 1806.9 | 1759.1 | 1663.6 | 1707.9 | 1698.5 | 1708.4 |
| 47.5° | 2819.9 | 2817.4 | 2800.2 | 2626.8 | 2337.3 | 2049.2 | 1987.6 | 1876.8 | 1952.6 | 1987.1 | 2062.5 |
| 50° | 3005.5 | 3004.1 | 3005.0 | 2906.1 | 2652.4 | 2337.3 | 2269.3 | 2153.1 | 2324.0 | 2443.6 | 2578.6 |
| 52.5° | 3271.5 | 3279.8 | 3220.2 | 3194.1 | 3035.6 | 2677.5 | 2602.7 | 2482.5 | 2762.7 | 2951.4 | 3214.8 |
| 55° | 3538.4 | 3531.5 | 3484.7 | 3511.8 | 3436.4 | 3080.4 | 3002.1 | 2906.5 | 3251.3 | 3457.6 | 3853.6 |
| 57.5° | 3695.5 | 3697.9 | 3745.7 | 3878.2 | 3931.4 | 3582.7 | 3511.8 | 3437.9 | 3800.4 | 3946.6 | 4421.9 |
| 60° | 3836.8 | 3848.1 | 3985.5 | 4235.7 | 4380.0 | 4199.8 | 4136.7 | 4064.8 | 4304.2 | 4362.3 | 4915.3 |
| 62.5° | 3881.1 | 3916.1 | 4155.9 | 4530.2 | 4817.3 | 4896.1 | 4817.8 | 4659.2 | 4783.8 | 4761.2 | 5249.7 |
| 65° | 3660.0 | 3707.8 | 4137.7 | 4640.5 | 5207.9 | 5557.0 | 5507.3 | 5212.8 | 5192.6 | 5056.2 | 5304.4 |
| 67.5° | 3077.9 | 3125.7 | 3677.8 | 4409.1 | 5369.4 | 6129.3 | 6079.5 | 5616.6 | 5440.8 | 5083.7 | 4890.7 |
| 70° | 2252.1 | 2282.1 | 2810.0 | 3712.2 | 5044.8 | 6321.3 | 6338.6 | 5813.6 | 5352.1 | 4709.0 | 4015.6 |
| 72.5° | 1297.7 | 1364.1 | 1734.0 | 2611.6 | 4121.5 | 5835.7 | 5955.4 | 5403.9 | 4791.7 | 3928.4 | 2807.6 |
| 75° | 558.0 | 559.4 | 801.7 | 1440.5 | 2791.3 | 4690.8 | 4806.5 | 4479.5 | 3763.0 | 2716.5 | 1499.1 |
| 77.5° | 265.4 | 270.4 | 352.6 | 643.2 | 1536.5 | 3240.9 | 3553.2 | 3164.6 | 2406.7 | 1305.0 | 566.3 |
| 80° | 172.4 | 175.8 | 215.7 | 319.1 | 753.5 | 1879.3 | 2096.9 | 1825.6 | 1061.8 | 466.4 | 244.3 |
| 82.5° | 104.4 | 105.4 | 144.3 | 195.0 | 414.7 | 851.0 | 1003.2 | 792.4 | 453.1 | 279.2 | 143.8 |
| 85° | 63.5 | 64.0 | 87.7 | 120.7 | 251.7 | 294.0 | 301.9 | 299.4 | 265.9 | 182.7 | 76.8 |
| 87.5° | 30.5 | 31.5 | 45.3 | 57.1 | 99.0 | 91.1 | 86.2 | 100.0 | 125.6 | 98.5 | 33.0 |
| 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: GLAN-SA2A-760-U-T4W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 | 923.9 |
| 2.5° | 922.9 | 921.4 | 918.0 | 916.5 | 915.5 | 916.0 | 915.5 | 915.5 | 916.0 | 916.0 | 916.0 |
| 5° | 927.3 | 924.9 | 919.4 | 919.4 | 922.4 | 929.3 | 935.7 | 940.6 | 946.0 | 945.5 | 945.5 |
| 7.5° | 946.5 | 942.1 | 935.7 | 937.7 | 945.0 | 955.9 | 967.2 | 978.0 | 988.9 | 989.9 | 989.4 |
| 10° | 974.6 | 970.2 | 963.3 | 965.7 | 977.5 | 993.8 | 1008.1 | 1023.8 | 1035.7 | 1039.1 | 1038.1 |
| 12.5° | 1006.6 | 997.7 | 991.8 | 998.7 | 1017.4 | 1039.1 | 1052.9 | 1064.7 | 1073.1 | 1078.0 | 1076.0 |
| 15° | 1039.1 | 1030.7 | 1023.8 | 1038.1 | 1060.8 | 1081.0 | 1087.9 | 1089.8 | 1091.3 | 1096.2 | 1095.2 |
| 17.5° | 1070.6 | 1059.3 | 1056.8 | 1075.6 | 1097.2 | 1106.1 | 1102.1 | 1093.8 | 1087.4 | 1091.3 | 1090.8 |
| 20° | 1098.7 | 1089.8 | 1088.8 | 1107.6 | 1115.9 | 1107.6 | 1090.8 | 1076.0 | 1064.7 | 1065.7 | 1065.2 |
| 22.5° | 1125.3 | 1118.4 | 1119.4 | 1127.3 | 1114.0 | 1085.4 | 1057.8 | 1037.6 | 1025.3 | 1027.8 | 1029.3 |
| 25° | 1154.8 | 1147.9 | 1150.4 | 1137.6 | 1093.8 | 1044.0 | 1004.1 | 986.9 | 982.0 | 986.9 | 990.4 |
| 27.5° | 1193.3 | 1188.8 | 1187.3 | 1138.1 | 1057.8 | 983.0 | 937.7 | 931.3 | 935.7 | 946.5 | 951.9 |
| 30° | 1234.6 | 1234.6 | 1226.7 | 1129.7 | 1008.6 | 909.6 | 870.2 | 871.2 | 886.4 | 901.7 | 907.1 |
| 32.5° | 1274.5 | 1282.9 | 1258.3 | 1107.1 | 945.0 | 838.2 | 808.1 | 809.1 | 822.4 | 841.1 | 846.1 |
| 35° | 1307.5 | 1331.6 | 1285.3 | 1065.7 | 870.2 | 778.1 | 755.4 | 742.1 | 742.6 | 756.9 | 760.9 |
| 37.5° | 1352.8 | 1397.6 | 1301.1 | 1004.1 | 790.4 | 726.9 | 701.3 | 678.1 | 662.9 | 657.0 | 657.0 |
| 40° | 1431.6 | 1497.6 | 1305.0 | 913.0 | 715.1 | 678.1 | 641.7 | 614.1 | 584.6 | 558.0 | 553.0 |
| 42.5° | 1565.1 | 1648.3 | 1297.2 | 808.1 | 647.1 | 624.4 | 589.0 | 555.0 | 514.1 | 476.7 | 473.8 |
| 45° | 1801.4 | 1844.3 | 1276.0 | 699.3 | 586.5 | 572.7 | 538.3 | 501.3 | 458.0 | 424.5 | 422.0 |
| 47.5° | 2180.2 | 2119.6 | 1247.9 | 602.8 | 531.4 | 527.4 | 500.8 | 458.0 | 414.7 | 391.5 | 389.0 |
| 50° | 2733.2 | 2553.0 | 1244.0 | 532.9 | 487.1 | 489.0 | 467.4 | 428.0 | 390.0 | 370.8 | 367.9 |
| 52.5° | 3399.0 | 3076.4 | 1270.1 | 483.6 | 448.1 | 455.5 | 444.7 | 408.3 | 374.8 | 358.5 | 355.6 |
| 55° | 4045.1 | 3547.2 | 1285.8 | 445.2 | 411.7 | 425.5 | 427.0 | 396.4 | 365.9 | 349.7 | 347.7 |
| 57.5° | 4569.6 | 3901.8 | 1215.9 | 410.2 | 380.2 | 401.4 | 412.2 | 389.5 | 361.5 | 349.2 | 347.2 |
| 60° | 4934.5 | 4069.3 | 1016.9 | 379.2 | 357.0 | 382.2 | 406.8 | 390.0 | 372.3 | 373.8 | 374.8 |
| 62.5° | 5050.8 | 3994.9 | 762.8 | 356.1 | 341.3 | 375.8 | 415.6 | 410.2 | 392.0 | 403.3 | 405.3 |
| 65° | 4858.2 | 3687.6 | 553.0 | 337.8 | 327.5 | 380.2 | 442.2 | 425.0 | 385.1 | 393.5 | 393.5 |
| 67.5° | 4213.6 | 3176.9 | 430.4 | 321.1 | 311.7 | 388.6 | 468.8 | 423.5 | 368.9 | 378.7 | 369.8 |
| 70° | 3342.4 | 2457.4 | 358.5 | 302.4 | 295.0 | 376.2 | 471.3 | 408.3 | 349.7 | 351.6 | 334.9 |
| 72.5° | 2218.1 | 1615.8 | 308.3 | 284.6 | 269.4 | 338.3 | 451.1 | 388.6 | 330.9 | 319.6 | 302.9 |
| 75° | 1086.9 | 805.7 | 268.9 | 262.5 | 235.9 | 294.5 | 423.5 | 369.8 | 310.7 | 293.0 | 283.7 |
| 77.5° | 421.1 | 342.8 | 229.5 | 234.4 | 205.4 | 259.5 | 387.1 | 343.3 | 284.2 | 260.0 | 252.6 |
| 80° | 204.4 | 194.5 | 188.1 | 195.5 | 168.9 | 221.1 | 353.6 | 320.1 | 259.5 | 232.9 | 222.1 |
| 82.5° | 127.1 | 120.2 | 144.3 | 152.2 | 130.0 | 201.9 | 335.4 | 300.4 | 228.5 | 193.0 | 184.2 |
| 85° | 64.5 | 68.9 | 96.5 | 103.9 | 93.1 | 160.5 | 276.3 | 225.6 | 165.0 | 136.9 | 137.9 |
| 87.5° | 24.6 | 33.0 | 50.7 | 54.7 | 49.7 | 84.7 | 152.2 | 131.5 | 105.9 | 71.9 | 66.5 |
| 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)