

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: P947706

Luminaire Tested: **GLAN-SB3A-722-U-T4W**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P947706
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: GLAN-SB3A-722-U-T4W
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11097 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

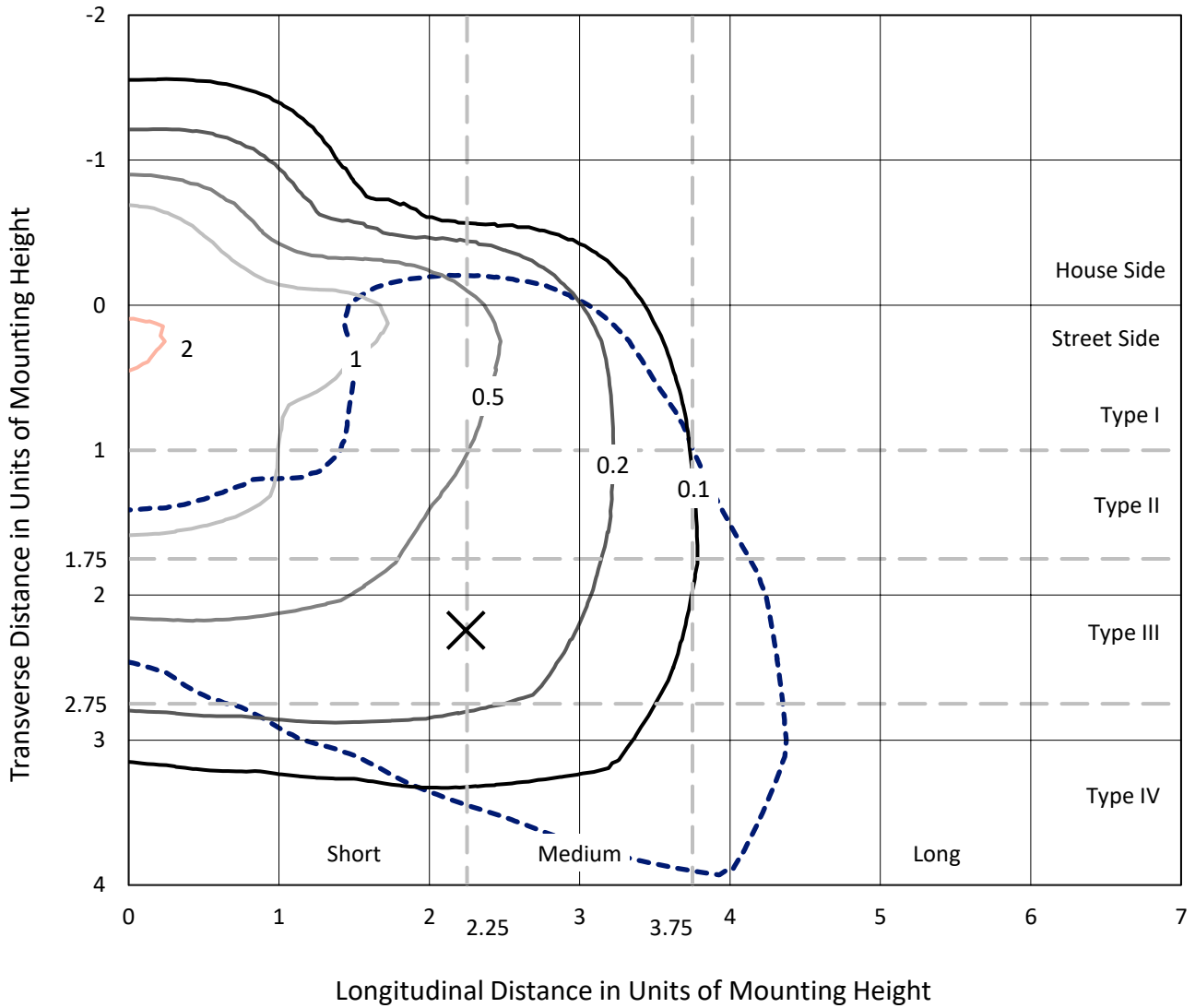
Input Watts (W): 84.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

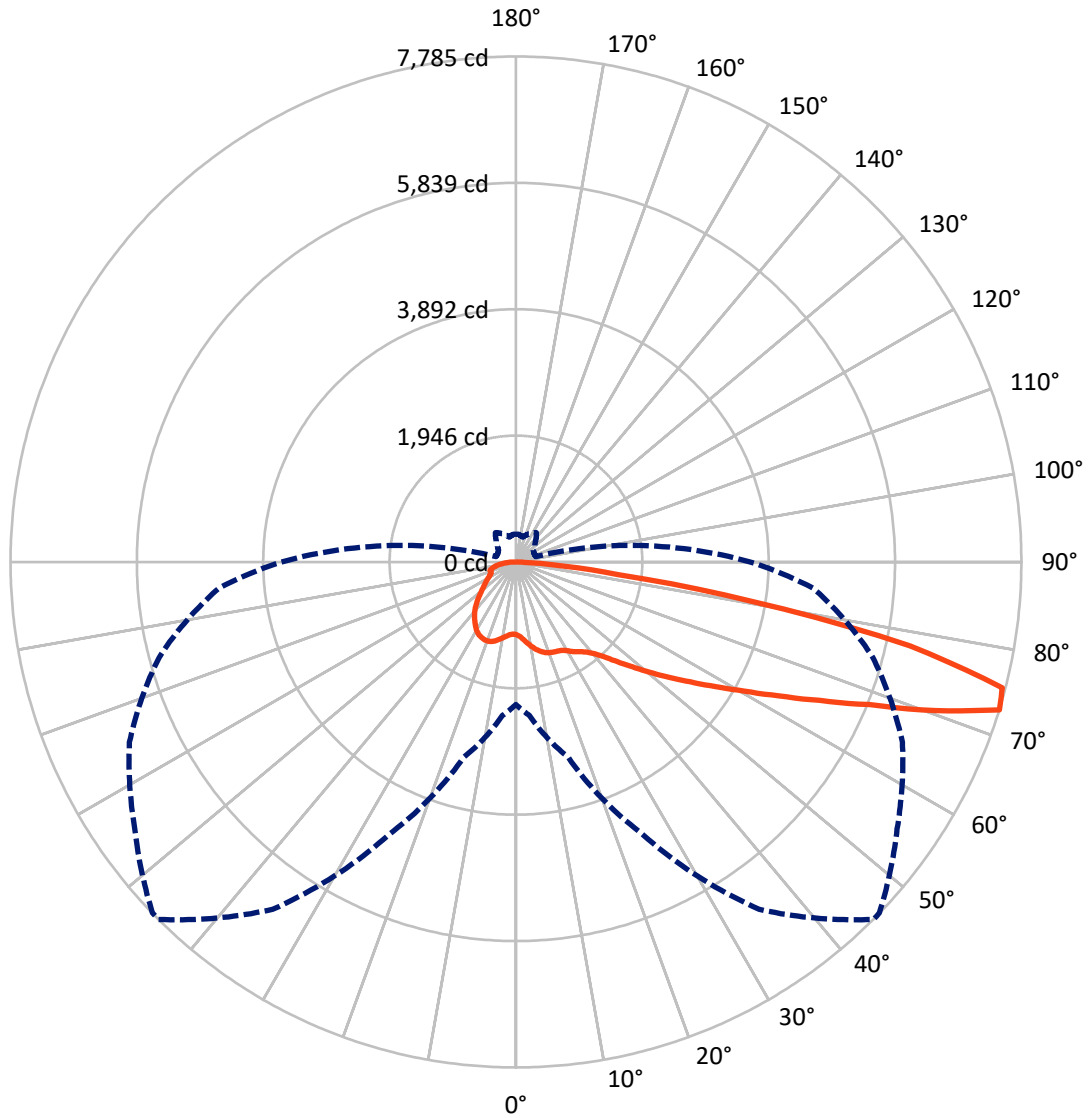
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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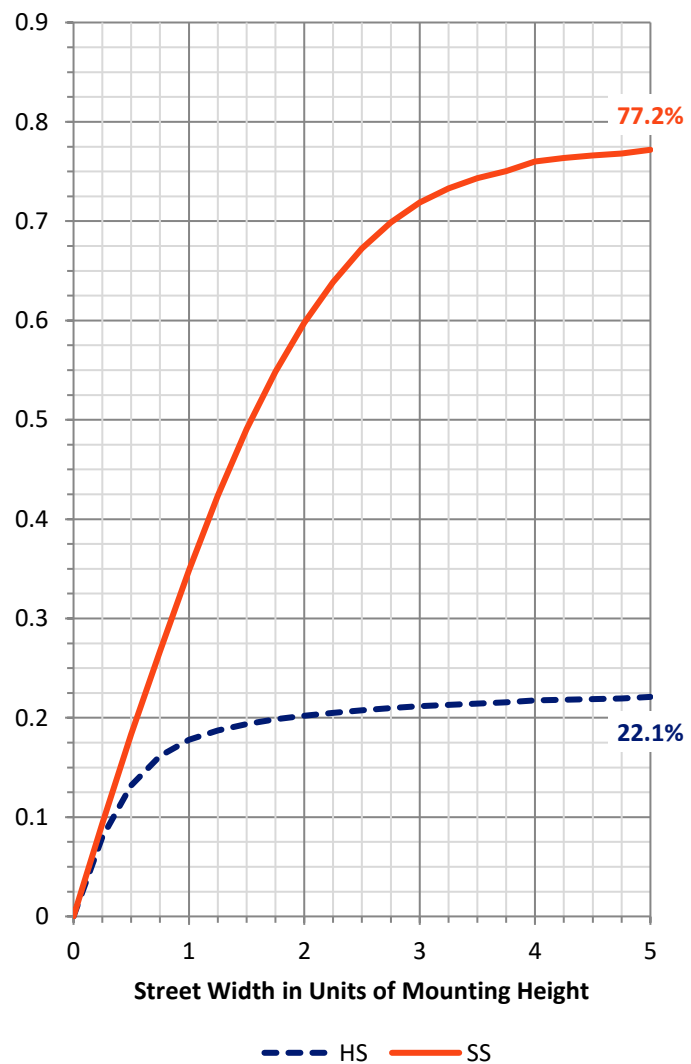
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2508.7 | 0.0 | 2508.7 |
| | % Fixture | 22.6 | 0.0 | 22.6 |
| Street Side | Lumens | 8588.3 | 0.0 | 8588.3 |
| | % Fixture | 77.4 | 0.0 | 77.4 |
| Total | Lumens | 11097.0 | 0.0 | 11097.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 113.9 | 1.0 |
| 10°-20° | 379.9 | 3.4 |
| 20°-30° | 660.8 | 6.0 |
| 30°-40° | 947.4 | 8.5 |
| 40°-50° | 1333.9 | 12.0 |
| 50°-60° | 2043.2 | 18.4 |
| 60°-70° | 2959.9 | 26.7 |
| 70°-80° | 2363.6 | 21.3 |
| 80°-90° | 294.4 | 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° | 11097.0 | 100.0 |
| 0°-180° | 11097.0 | 100.0 |

Coefficient of Utilization



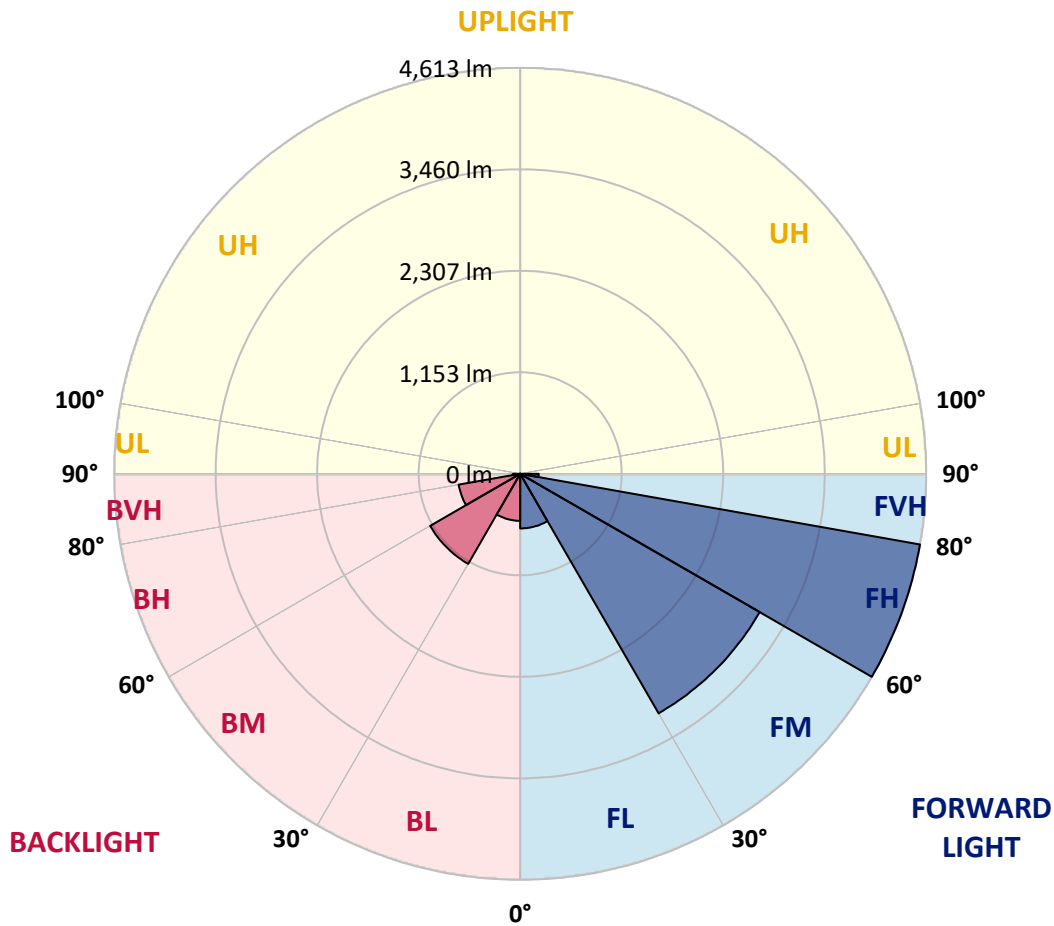
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 620.6 | 5.6 | | | |
| FM (30°-60°) | 3143.2 | 28.3 | | | |
| FH (60°-80°) | 4613.3 | 41.6 | | | G2/5000 |
| FVH (80°-90°) | 211.2 | 1.9 | | | G2/225 |
| BL (0°-30°) | 534.1 | 4.8 | B2/1000 | | |
| BM (30°-60°) | 1181.2 | 10.6 | B2/2500 | | |
| BH (60°-80°) | 710.1 | 6.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 83.2 | 0.7 | | | 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° | 46° | 55° | 65° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 |
| 2.5° | 1163.3 | 1170.9 | 1163.9 | 1157.5 | 1154.5 | 1146.9 | 1146.4 | 1141.7 | 1138.8 | 1130.6 |
| 5° | 1244.6 | 1254.5 | 1242.8 | 1230.0 | 1218.3 | 1199.6 | 1197.2 | 1183.8 | 1168.6 | 1151.0 |
| 7.5° | 1336.4 | 1345.1 | 1331.7 | 1312.4 | 1291.9 | 1260.9 | 1260.4 | 1235.8 | 1211.8 | 1182.0 |
| 10° | 1416.4 | 1428.1 | 1410.0 | 1383.7 | 1358.0 | 1322.9 | 1318.8 | 1290.8 | 1260.4 | 1221.8 |
| 12.5° | 1487.2 | 1495.4 | 1477.8 | 1445.7 | 1415.9 | 1380.8 | 1375.5 | 1344.5 | 1310.6 | 1266.8 |
| 15° | 1543.3 | 1553.8 | 1530.4 | 1495.9 | 1464.4 | 1429.9 | 1425.2 | 1397.1 | 1363.2 | 1317.1 |
| 17.5° | 1580.1 | 1588.9 | 1564.9 | 1526.3 | 1495.9 | 1467.3 | 1463.8 | 1440.4 | 1410.6 | 1363.8 |
| 20° | 1594.2 | 1603.5 | 1578.4 | 1539.2 | 1511.1 | 1488.9 | 1487.2 | 1470.2 | 1449.8 | 1407.1 |
| 22.5° | 1608.2 | 1616.9 | 1584.2 | 1543.3 | 1518.7 | 1504.7 | 1504.1 | 1493.0 | 1484.8 | 1449.8 |
| 25° | 1664.9 | 1667.2 | 1623.4 | 1564.3 | 1529.3 | 1517.0 | 1516.4 | 1515.8 | 1519.3 | 1491.8 |
| 27.5° | 1714.0 | 1713.4 | 1676.0 | 1620.5 | 1566.1 | 1540.4 | 1539.8 | 1545.6 | 1556.7 | 1533.9 |
| 30° | 1785.9 | 1779.5 | 1735.0 | 1677.2 | 1627.5 | 1587.7 | 1584.2 | 1579.0 | 1587.7 | 1569.6 |
| 32.5° | 1938.5 | 1918.0 | 1846.1 | 1743.2 | 1678.3 | 1647.9 | 1643.3 | 1610.5 | 1614.0 | 1602.9 |
| 35° | 2157.1 | 2130.2 | 2034.3 | 1868.3 | 1741.5 | 1698.2 | 1695.9 | 1654.4 | 1647.3 | 1637.4 |
| 37.5° | 2417.2 | 2383.9 | 2272.3 | 2049.5 | 1850.2 | 1756.7 | 1753.2 | 1715.7 | 1687.1 | 1676.6 |
| 40° | 2678.5 | 2636.5 | 2544.1 | 2270.5 | 2010.4 | 1854.3 | 1843.2 | 1786.5 | 1753.7 | 1736.2 |
| 42.5° | 2932.3 | 2897.2 | 2818.3 | 2518.4 | 2208.0 | 1996.9 | 1972.4 | 1875.3 | 1850.8 | 1834.4 |
| 45° | 3156.7 | 3125.2 | 3067.3 | 2783.2 | 2439.5 | 2191.0 | 2167.0 | 2008.6 | 2001.0 | 2001.0 |
| 47.5° | 3339.1 | 3332.1 | 3270.7 | 3053.3 | 2712.5 | 2412.0 | 2370.5 | 2193.9 | 2214.4 | 2246.0 |
| 50° | 3541.4 | 3522.1 | 3456.6 | 3319.2 | 3033.4 | 2665.1 | 2631.2 | 2421.3 | 2497.9 | 2584.4 |
| 52.5° | 3727.3 | 3737.8 | 3664.7 | 3596.3 | 3395.8 | 2947.5 | 2887.8 | 2689.7 | 2855.1 | 2998.3 |
| 55° | 3918.4 | 3919.0 | 3898.6 | 3889.2 | 3775.8 | 3259.6 | 3194.1 | 3012.3 | 3275.4 | 3453.1 |
| 57.5° | 4097.9 | 4099.1 | 4129.5 | 4211.9 | 4216.6 | 3619.7 | 3545.5 | 3408.7 | 3742.5 | 3923.7 |
| 60° | 4258.1 | 4266.3 | 4349.3 | 4542.2 | 4604.2 | 4032.4 | 3962.3 | 3876.9 | 4225.3 | 4407.7 |
| 62.5° | 4311.9 | 4341.7 | 4526.4 | 4800.6 | 4987.1 | 4538.7 | 4469.7 | 4418.8 | 4732.8 | 4902.3 |
| 65° | 4220.7 | 4289.1 | 4646.2 | 5013.9 | 5381.1 | 5140.2 | 5071.8 | 5016.3 | 5260.1 | 5419.6 |
| 67.5° | 3996.8 | 4085.0 | 4639.2 | 5237.8 | 5859.2 | 5863.9 | 5800.2 | 5669.8 | 5825.3 | 5886.7 |
| 70° | 3406.9 | 3539.0 | 4230.6 | 5321.4 | 6408.2 | 6853.6 | 6792.2 | 6456.7 | 6389.5 | 6092.5 |
| 72.5° | 2195.1 | 2372.8 | 3115.2 | 4633.4 | 6530.3 | 7784.9 | 7781.3 | 7167.0 | 6567.8 | 5692.6 |
| 75° | 800.9 | 909.6 | 1447.4 | 2908.3 | 5481.6 | 7737.5 | 7760.3 | 7045.4 | 5995.5 | 4397.2 |
| 77.5° | 291.7 | 319.2 | 472.3 | 1117.7 | 3371.3 | 6208.2 | 6255.6 | 5632.4 | 4267.4 | 2206.8 |
| 80° | 153.2 | 168.4 | 242.0 | 433.8 | 1444.5 | 3686.9 | 3761.2 | 3347.3 | 2005.7 | 664.7 |
| 82.5° | 84.8 | 91.8 | 135.6 | 235.6 | 650.6 | 1576.6 | 1621.0 | 1322.3 | 705.6 | 281.8 |
| 85° | 45.6 | 48.5 | 63.7 | 128.6 | 318.0 | 546.6 | 558.9 | 395.2 | 281.2 | 165.4 |
| 87.5° | 13.4 | 16.4 | 21.0 | 40.9 | 124.5 | 122.8 | 125.7 | 78.3 | 111.1 | 83.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

REPORT NUMBER: P947706
 CATALOG NUMBER: GLAN-SB3A-722-U-T4W

CANDELA DISTRIBUTION (continued):

| 85° | | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° |
|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1119.5 | 0° | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 | 1119.5 |
| 1128.2 | 2.5° | 1124.7 | 1123.0 | 1116.5 | 1113.6 | 1110.1 | 1109.5 | 1112.5 | 1113.0 | 1113.6 | 1114.2 |
| 1141.1 | 5° | 1135.3 | 1129.4 | 1123.6 | 1120.1 | 1121.2 | 1121.8 | 1127.7 | 1131.7 | 1134.7 | 1137.0 |
| 1165.1 | 7.5° | 1155.7 | 1151.0 | 1141.1 | 1140.5 | 1142.3 | 1147.5 | 1155.1 | 1164.5 | 1169.7 | 1173.8 |
| 1196.1 | 10° | 1186.1 | 1177.3 | 1165.7 | 1167.4 | 1170.9 | 1178.5 | 1194.3 | 1201.9 | 1210.7 | 1218.3 |
| 1234.0 | 12.5° | 1217.1 | 1209.5 | 1196.1 | 1197.2 | 1203.1 | 1216.5 | 1231.7 | 1241.1 | 1246.9 | 1252.8 |
| 1275.0 | 15° | 1257.4 | 1244.0 | 1229.4 | 1229.4 | 1239.9 | 1254.5 | 1261.5 | 1269.1 | 1272.6 | 1279.1 |
| 1318.8 | 17.5° | 1298.9 | 1281.4 | 1262.1 | 1260.9 | 1273.8 | 1280.8 | 1284.9 | 1286.1 | 1287.2 | 1294.3 |
| 1361.5 | 20° | 1340.4 | 1321.2 | 1293.7 | 1291.3 | 1294.3 | 1293.1 | 1292.5 | 1291.3 | 1293.1 | 1301.9 |
| 1405.3 | 22.5° | 1381.4 | 1359.1 | 1321.2 | 1310.6 | 1302.4 | 1291.3 | 1290.8 | 1290.2 | 1291.3 | 1300.1 |
| 1452.7 | 25° | 1429.3 | 1402.4 | 1351.5 | 1320.0 | 1292.5 | 1277.3 | 1279.1 | 1279.6 | 1280.8 | 1287.8 |
| 1501.8 | 27.5° | 1481.3 | 1451.5 | 1379.6 | 1317.1 | 1267.4 | 1256.8 | 1253.9 | 1255.7 | 1259.8 | 1270.9 |
| 1550.9 | 30° | 1533.4 | 1498.3 | 1405.3 | 1305.4 | 1235.8 | 1221.2 | 1211.8 | 1215.9 | 1228.8 | 1239.9 |
| 1593.6 | 32.5° | 1580.7 | 1545.6 | 1425.8 | 1279.6 | 1195.5 | 1172.7 | 1160.4 | 1165.7 | 1178.5 | 1182.6 |
| 1640.9 | 35° | 1636.2 | 1596.5 | 1434.6 | 1238.7 | 1151.6 | 1116.5 | 1100.2 | 1092.6 | 1099.0 | 1094.9 |
| 1696.5 | 37.5° | 1698.2 | 1656.7 | 1433.4 | 1184.9 | 1100.2 | 1059.8 | 1037.0 | 1008.4 | 995.0 | 980.9 |
| 1778.3 | 40° | 1790.0 | 1730.4 | 1419.4 | 1120.1 | 1036.5 | 999.6 | 958.7 | 910.2 | 879.8 | 852.3 |
| 1910.4 | 42.5° | 1915.1 | 1832.7 | 1393.6 | 1048.7 | 964.6 | 930.1 | 874.5 | 817.8 | 769.9 | 724.3 |
| 2110.9 | 45° | 2101.6 | 1966.5 | 1361.5 | 972.7 | 886.8 | 852.9 | 792.7 | 729.0 | 674.6 | 616.1 |
| 2395.6 | 47.5° | 2370.5 | 2146.6 | 1331.1 | 886.2 | 805.0 | 774.0 | 719.6 | 660.6 | 596.3 | 539.6 |
| 2807.2 | 50° | 2739.9 | 2405.0 | 1303.0 | 802.0 | 724.3 | 700.9 | 657.7 | 597.4 | 532.6 | 487.0 |
| 3289.4 | 52.5° | 3209.9 | 2756.3 | 1291.3 | 720.8 | 648.9 | 640.1 | 605.6 | 549.5 | 488.1 | 449.5 |
| 3851.8 | 55° | 3749.5 | 3176.6 | 1291.3 | 643.0 | 582.8 | 585.7 | 561.8 | 509.8 | 456.6 | 422.1 |
| 4431.7 | 57.5° | 4300.2 | 3602.2 | 1268.0 | 571.1 | 526.7 | 539.0 | 523.8 | 478.2 | 430.3 | 394.6 |
| 5041.4 | 60° | 4807.6 | 3958.8 | 1173.3 | 505.7 | 477.0 | 496.3 | 486.4 | 447.2 | 388.7 | 358.9 |
| 5551.2 | 62.5° | 5197.5 | 4159.9 | 990.9 | 453.6 | 436.1 | 458.3 | 453.0 | 406.3 | 381.1 | 368.9 |
| 5969.7 | 65° | 5392.8 | 4127.1 | 757.6 | 407.5 | 401.6 | 436.1 | 425.0 | 423.2 | 403.4 | 389.3 |
| 6105.9 | 67.5° | 5272.9 | 3845.4 | 549.5 | 373.5 | 381.7 | 415.6 | 458.3 | 465.3 | 428.5 | 401.0 |
| 5722.5 | 70° | 4747.4 | 3335.6 | 409.2 | 341.4 | 356.6 | 416.2 | 522.6 | 487.0 | 420.3 | 388.2 |
| 4589.5 | 72.5° | 3611.5 | 2487.4 | 317.4 | 307.5 | 323.9 | 419.1 | 551.3 | 477.0 | 396.9 | 429.1 |
| 2859.2 | 75° | 2065.3 | 1365.6 | 254.9 | 266.0 | 282.9 | 391.7 | 536.6 | 451.3 | 378.8 | 394.0 |
| 1132.9 | 77.5° | 787.4 | 525.0 | 210.4 | 225.1 | 227.4 | 342.0 | 513.3 | 449.5 | 360.7 | 351.9 |
| 339.6 | 80° | 273.0 | 205.2 | 174.2 | 178.9 | 176.0 | 304.0 | 492.2 | 391.1 | 295.2 | 264.2 |
| 140.3 | 82.5° | 111.7 | 102.3 | 138.0 | 132.1 | 125.1 | 236.2 | 397.5 | 319.8 | 241.4 | 213.4 |
| 67.8 | 85° | 48.5 | 64.9 | 91.2 | 80.1 | 72.5 | 163.7 | 318.6 | 270.7 | 204.0 | 176.0 |
| 22.2 | 87.5° | 9.9 | 24.6 | 38.6 | 36.2 | 37.4 | 109.3 | 226.2 | 192.3 | 144.4 | 108.1 |
| 0.0 | 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

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| <u>180°</u> |
|-------------|
| 1119.5 |
| 1116.5 |
| 1138.2 |
| 1175.0 |
| 1216.5 |
| 1255.1 |
| 1281.4 |
| 1296.6 |
| 1305.4 |
| 1306.0 |
| 1297.2 |
| 1282.0 |
| 1252.2 |
| 1197.2 |
| 1107.8 |
| 989.7 |
| 854.1 |
| 720.2 |
| 609.1 |
| 533.1 |
| 484.0 |
| 446.6 |
| 418.6 |
| 388.7 |
| 354.3 |
| 364.8 |
| 384.7 |
| 396.3 |
| 382.9 |
| 425.6 |
| 394.0 |
| 320.9 |
| 255.5 |
| 211.0 |
| 175.4 |
| 84.8 |
| 0.0 |

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