

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: P648781

Luminaire Tested: **GLAN-SA2C-835-U-T3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648781
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2C-835-U-T3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6610.9 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

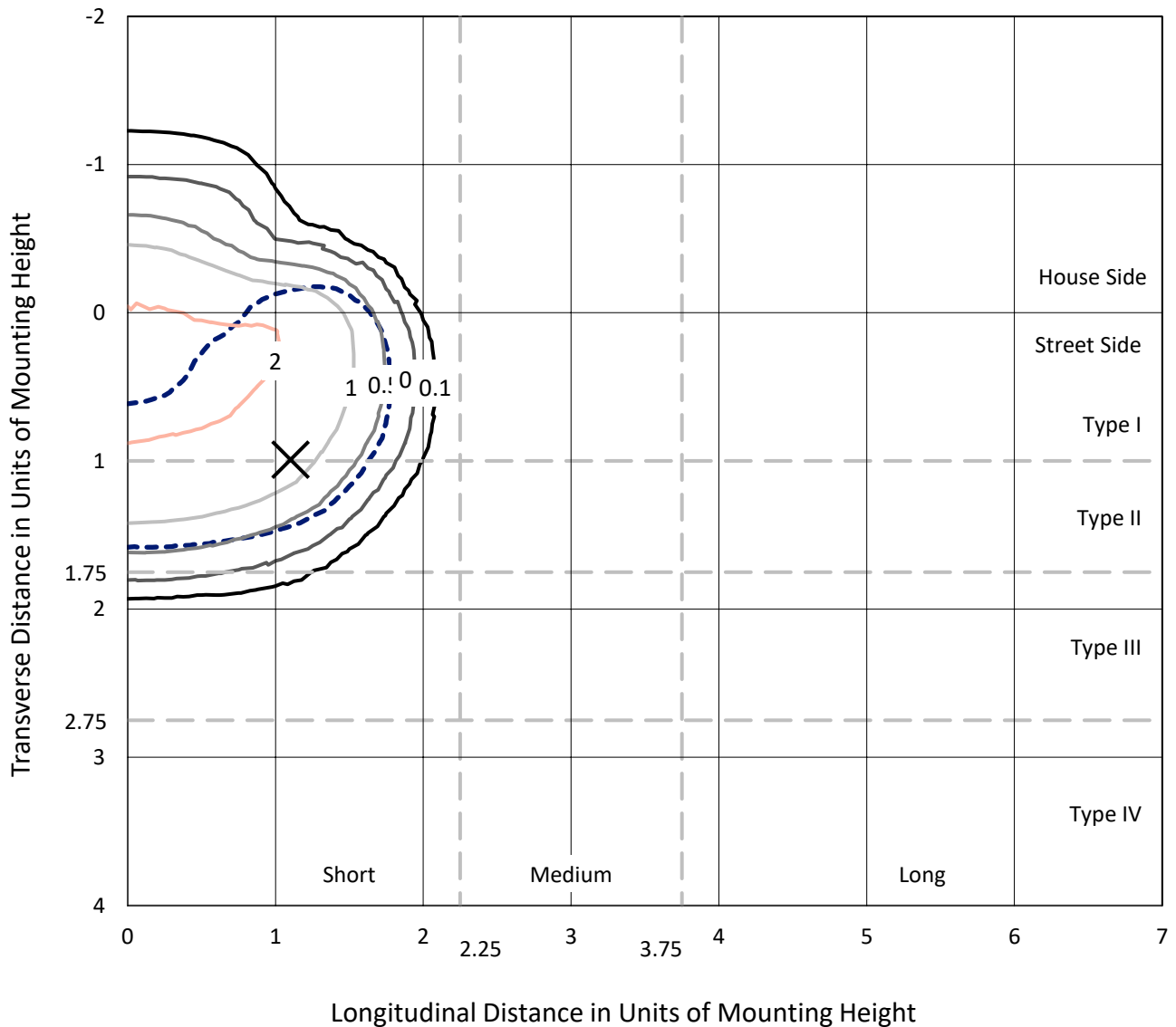
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

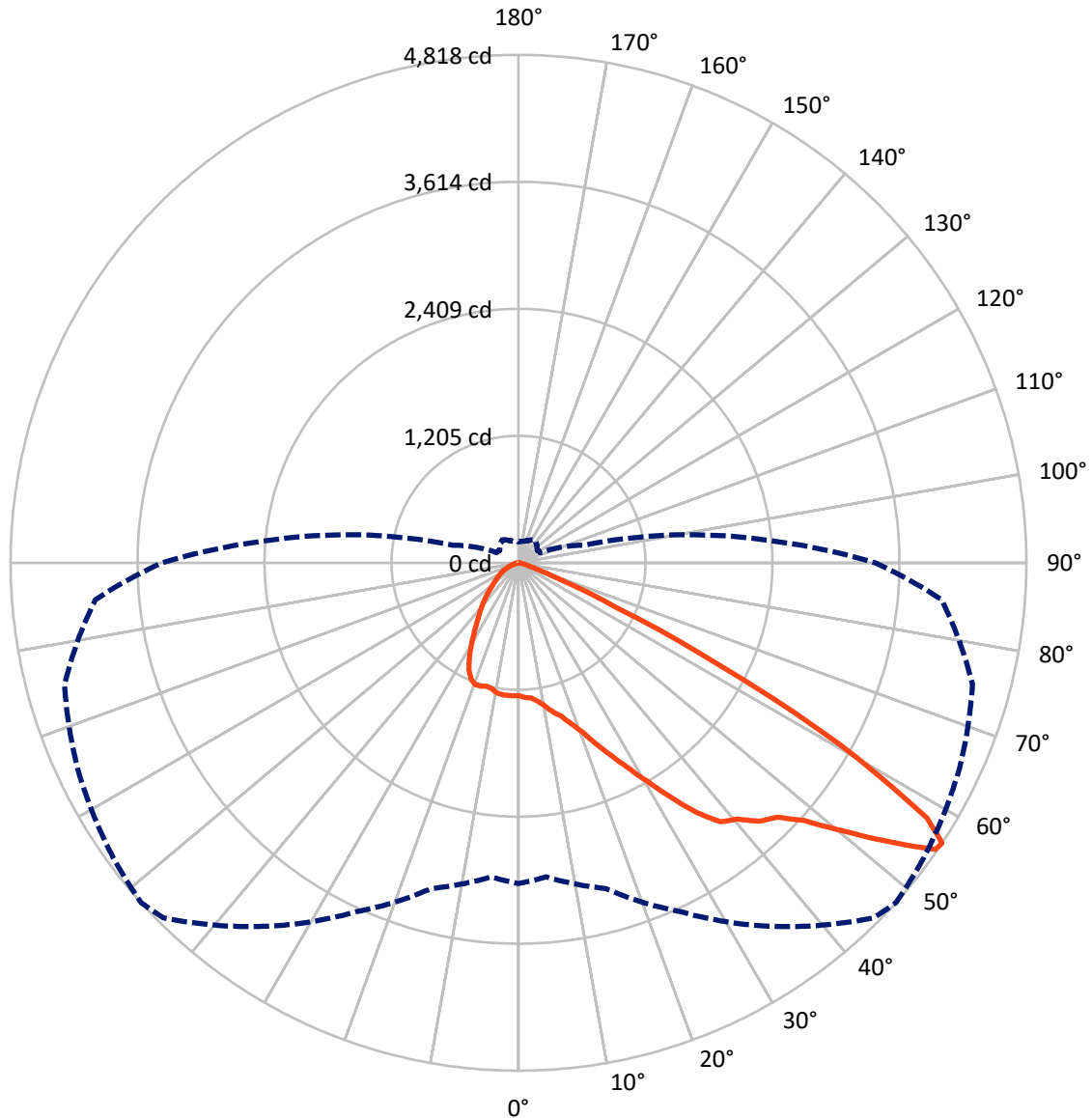
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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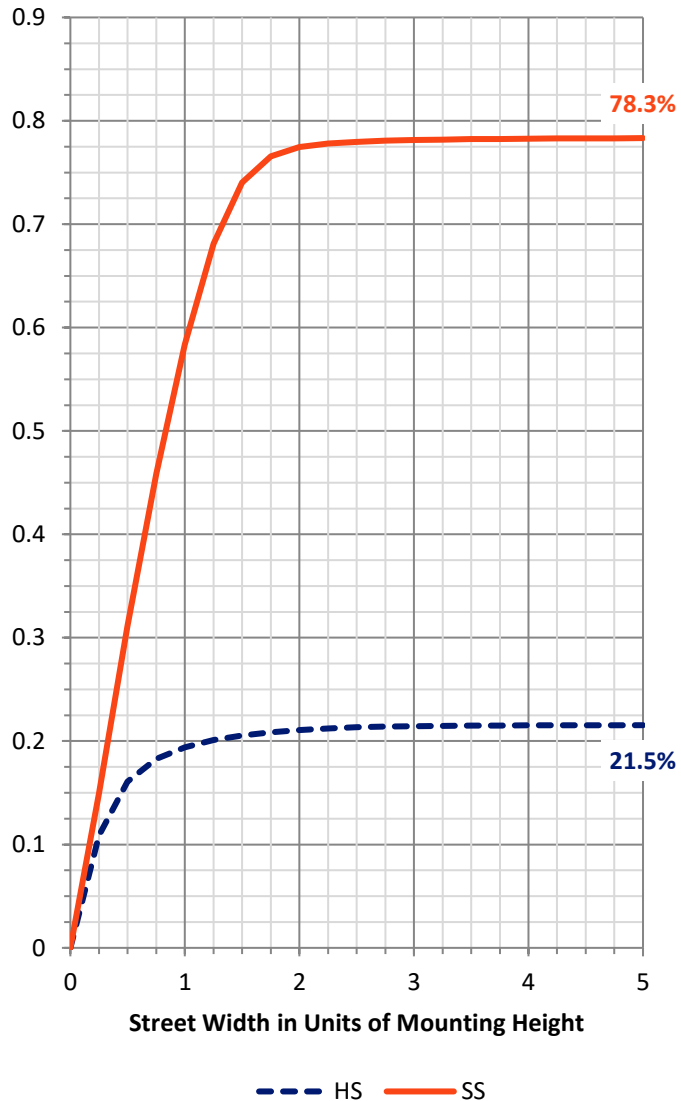
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1437.7 | 0.0 | 1437.7 |
| | % Fixture | 21.7 | 0.0 | 21.7 |
| Street Side | Lumens | 5173.1 | 0.0 | 5173.1 |
| | % Fixture | 78.3 | 0.0 | 78.3 |
| Total | Lumens | 6610.9 | 0.0 | 6610.9 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 123.0 | 1.9 |
| 10°-20° | 393.1 | 5.9 |
| 20°-30° | 713.0 | 10.8 |
| 30°-40° | 1119.9 | 16.9 |
| 40°-50° | 1633.8 | 24.7 |
| 50°-60° | 1968.4 | 29.8 |
| 60°-70° | 576.3 | 8.7 |
| 70°-80° | 73.1 | 1.1 |
| 80°-90° | 10.2 | 0.2 |
| 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° | 6610.9 | 100.0 |
| 0°-180° | 6610.9 | 100.0 |

Coefficient of Utilization

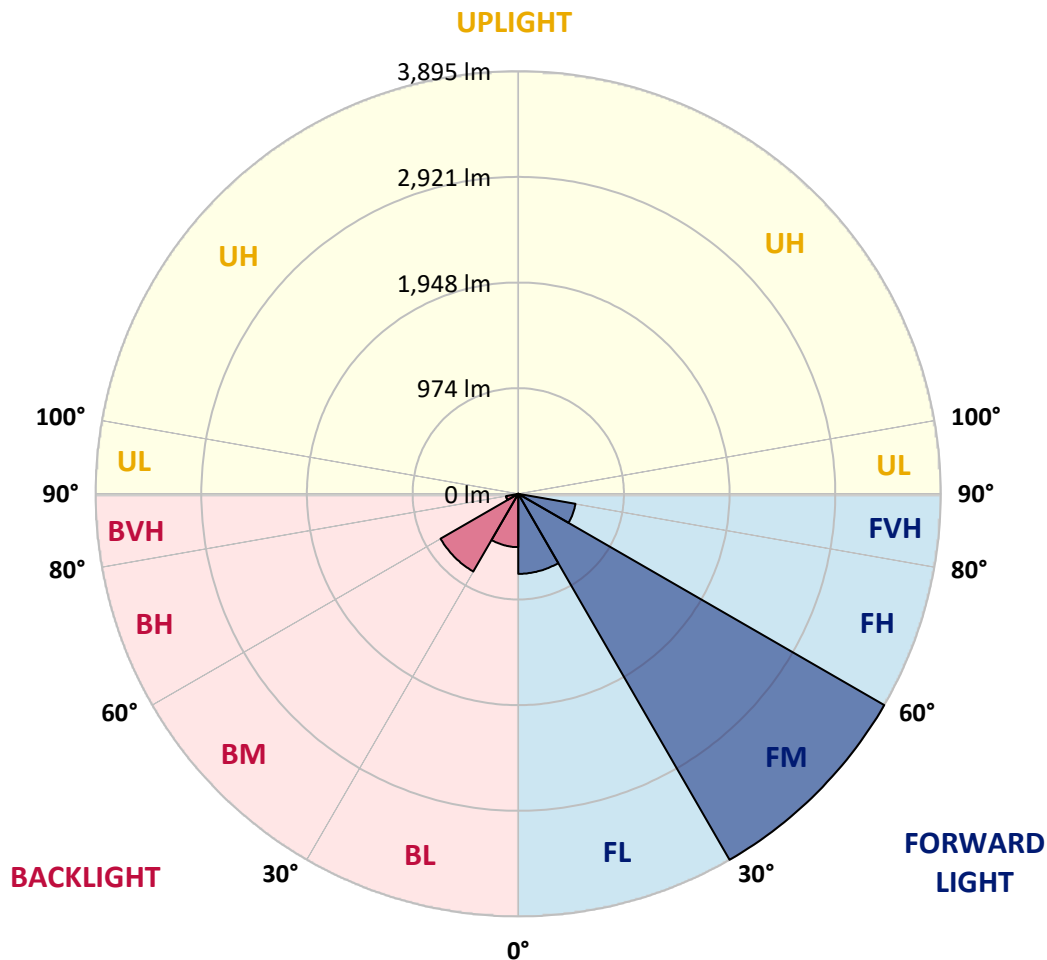


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 737.6 | 11.2 | | | |
| FM (30°-60°) | 3895.1 | 58.9 | | | |
| FH (60°-80°) | 535.2 | 8.1 | | | G0/660 |
| FVH (80°-90°) | 5.1 | 0.1 | | | G0/10 |
| BL (0°-30°) | 491.4 | 7.4 | B1/500 | | |
| BM (30°-60°) | 827.0 | 12.5 | B1/1000 | | |
| BH (60°-80°) | 114.2 | 1.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 5.1 | 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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 48° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 |
| 2.5° | 1285.5 | 1279.5 | 1279.5 | 1269.9 | 1280.8 | 1275.9 | 1279.5 | 1267.5 | 1279.5 | 1261.5 | 1275.9 |
| 5° | 1291.6 | 1292.7 | 1288.0 | 1294.0 | 1294.0 | 1301.2 | 1289.1 | 1300.0 | 1306.0 | 1292.7 | 1286.8 |
| 7.5° | 1322.9 | 1325.3 | 1324.1 | 1319.3 | 1328.9 | 1327.7 | 1326.5 | 1318.0 | 1320.5 | 1315.7 | 1308.4 |
| 10° | 1384.3 | 1383.0 | 1389.0 | 1377.1 | 1369.8 | 1378.2 | 1380.7 | 1367.4 | 1357.8 | 1354.2 | 1331.3 |
| 12.5° | 1473.3 | 1458.9 | 1450.4 | 1438.4 | 1442.1 | 1430.0 | 1451.7 | 1428.8 | 1424.0 | 1402.3 | 1379.4 |
| 15° | 1545.6 | 1543.1 | 1544.3 | 1525.0 | 1503.4 | 1508.2 | 1508.2 | 1496.2 | 1489.0 | 1462.5 | 1430.0 |
| 17.5° | 1693.6 | 1643.0 | 1653.9 | 1629.8 | 1611.7 | 1610.6 | 1599.7 | 1602.1 | 1582.8 | 1527.5 | 1478.1 |
| 20° | 1809.1 | 1787.5 | 1770.7 | 1729.7 | 1702.0 | 1710.5 | 1705.6 | 1693.6 | 1687.6 | 1615.3 | 1545.6 |
| 22.5° | 1912.7 | 1919.9 | 1892.2 | 1881.4 | 1842.9 | 1846.5 | 1856.1 | 1845.3 | 1799.5 | 1724.9 | 1621.4 |
| 25° | 2058.4 | 2049.9 | 2012.5 | 1999.3 | 1963.2 | 1976.4 | 2013.8 | 2005.3 | 1976.4 | 1841.7 | 1680.4 |
| 27.5° | 2230.5 | 2201.6 | 2208.8 | 2148.6 | 2113.7 | 2151.0 | 2195.5 | 2237.7 | 2155.8 | 1978.9 | 1750.2 |
| 30° | 2352.1 | 2321.9 | 2319.6 | 2317.1 | 2308.7 | 2352.1 | 2403.8 | 2442.3 | 2376.1 | 2116.1 | 1865.7 |
| 32.5° | 2412.2 | 2419.5 | 2439.9 | 2432.7 | 2506.1 | 2595.2 | 2649.4 | 2704.7 | 2621.6 | 2340.0 | 2018.6 |
| 35° | 2572.3 | 2526.6 | 2572.3 | 2577.1 | 2653.0 | 2841.9 | 2910.6 | 3043.0 | 3022.5 | 2656.6 | 2205.2 |
| 37.5° | 2666.2 | 2662.6 | 2668.6 | 2714.3 | 2787.8 | 3021.3 | 3118.8 | 3221.1 | 3182.6 | 2846.8 | 2437.5 |
| 40° | 2821.5 | 2831.1 | 2829.9 | 2864.8 | 2945.4 | 3156.1 | 3195.8 | 3278.9 | 3282.5 | 3110.4 | 2779.3 |
| 42.5° | 3070.6 | 3032.1 | 3006.8 | 3043.0 | 3156.1 | 3272.9 | 3352.3 | 3335.4 | 3454.6 | 3430.6 | 3218.7 |
| 45° | 3294.6 | 3317.4 | 3280.1 | 3340.3 | 3381.2 | 3443.8 | 3441.4 | 3477.5 | 3629.1 | 3743.5 | 3549.7 |
| 47.5° | 3503.9 | 3518.4 | 3536.5 | 3577.4 | 3666.5 | 3676.1 | 3655.6 | 3640.0 | 3849.5 | 3967.4 | 3806.1 |
| 50° | 3629.1 | 3642.4 | 3726.6 | 3800.1 | 3966.2 | 3987.8 | 3999.9 | 3960.2 | 4102.2 | 4115.4 | 4048.0 |
| 52.5° | 3595.5 | 3609.9 | 3727.9 | 3969.8 | 4234.6 | 4433.2 | 4397.1 | 4329.7 | 4321.3 | 4373.1 | 4271.9 |
| 55° | 3296.9 | 3283.7 | 3446.2 | 3822.9 | 4318.9 | 4795.6 | 4800.3 | 4729.3 | 4593.3 | 4558.4 | 4238.2 |
| 56° | 3043.0 | 2991.2 | 3198.2 | 3653.2 | 4210.5 | 4764.2 | 4818.4 | 4742.6 | 4615.0 | 4458.5 | 4029.9 |
| 57.5° | 2492.8 | 2542.2 | 2748.0 | 3124.8 | 3836.2 | 4539.1 | 4570.4 | 4552.4 | 4456.1 | 4193.7 | 3546.1 |
| 60° | 1374.6 | 1461.3 | 1643.0 | 2104.1 | 2731.2 | 3483.5 | 3508.8 | 3655.6 | 3673.7 | 3211.5 | 2439.9 |
| 62.5° | 583.8 | 574.2 | 763.1 | 1102.6 | 1555.2 | 2102.8 | 2149.8 | 2300.3 | 2327.9 | 1851.3 | 1224.1 |
| 65° | 237.1 | 250.4 | 345.5 | 554.9 | 822.2 | 958.2 | 1024.3 | 1073.7 | 1165.2 | 764.4 | 451.4 |
| 67.5° | 156.4 | 155.3 | 203.4 | 316.6 | 442.9 | 427.3 | 427.3 | 451.4 | 417.7 | 311.8 | 195.0 |
| 70° | 112.0 | 115.6 | 145.6 | 219.1 | 275.6 | 204.6 | 196.2 | 187.8 | 213.1 | 205.9 | 157.7 |
| 72.5° | 73.4 | 78.2 | 97.5 | 131.2 | 143.2 | 112.0 | 112.0 | 134.8 | 175.7 | 166.1 | 128.8 |
| 75° | 48.2 | 49.3 | 60.2 | 75.8 | 71.0 | 57.8 | 63.8 | 90.3 | 127.6 | 122.8 | 91.5 |
| 77.5° | 32.5 | 33.7 | 41.0 | 49.3 | 39.7 | 32.5 | 34.9 | 45.7 | 62.6 | 62.6 | 48.2 |
| 80° | 12.1 | 13.2 | 16.8 | 15.7 | 18.1 | 22.9 | 25.3 | 31.3 | 37.3 | 37.3 | 32.5 |
| 82.5° | 0.0 | 1.2 | 3.6 | 8.5 | 13.2 | 18.1 | 20.4 | 24.0 | 27.7 | 31.3 | 30.1 |
| 85° | 0.0 | 1.2 | 3.6 | 6.0 | 9.6 | 10.8 | 12.1 | 8.5 | 7.2 | 7.2 | 6.0 |
| 87.5° | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 | 1.2 | 1.2 |
| 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-SA2C-835-U-T3-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 | 1262.7 |
| 2.5° | 1262.7 | 1261.5 | 1261.5 | 1257.9 | 1265.1 | 1261.5 | 1263.9 | 1262.7 | 1247.0 | 1259.1 | 1250.6 |
| 5° | 1275.9 | 1284.4 | 1271.1 | 1268.7 | 1259.1 | 1262.7 | 1262.7 | 1250.6 | 1261.5 | 1260.2 | 1257.9 |
| 7.5° | 1309.6 | 1295.2 | 1280.8 | 1266.3 | 1263.9 | 1260.2 | 1247.0 | 1242.2 | 1250.6 | 1241.0 | 1255.5 |
| 10° | 1324.1 | 1326.5 | 1304.8 | 1285.5 | 1267.5 | 1242.2 | 1224.1 | 1213.3 | 1200.1 | 1214.5 | 1223.0 |
| 12.5° | 1390.3 | 1366.2 | 1328.9 | 1298.8 | 1237.4 | 1212.2 | 1194.1 | 1189.2 | 1212.2 | 1216.9 | 1208.5 |
| 15° | 1413.2 | 1409.6 | 1361.4 | 1294.0 | 1230.2 | 1200.1 | 1203.7 | 1194.1 | 1196.5 | 1184.4 | 1186.9 |
| 17.5° | 1460.1 | 1419.2 | 1362.6 | 1278.3 | 1229.0 | 1221.7 | 1200.1 | 1161.6 | 1139.9 | 1130.3 | 1138.7 |
| 20° | 1511.8 | 1472.1 | 1390.3 | 1284.4 | 1239.8 | 1220.5 | 1149.5 | 1102.6 | 1058.1 | 1034.0 | 1035.2 |
| 22.5° | 1557.6 | 1508.2 | 1378.2 | 1286.8 | 1249.4 | 1170.0 | 1084.5 | 991.8 | 936.5 | 899.2 | 900.4 |
| 25° | 1613.0 | 1543.1 | 1383.0 | 1291.6 | 1224.1 | 1089.3 | 966.5 | 876.3 | 810.1 | 784.8 | 793.3 |
| 27.5° | 1644.2 | 1564.8 | 1409.6 | 1302.4 | 1158.0 | 975.0 | 842.6 | 758.3 | 719.8 | 707.8 | 706.6 |
| 30° | 1738.1 | 1613.0 | 1442.1 | 1280.8 | 1047.2 | 852.2 | 729.4 | 677.7 | 640.3 | 629.5 | 632.0 |
| 32.5° | 1877.8 | 1700.8 | 1484.2 | 1224.1 | 934.0 | 742.7 | 656.0 | 617.5 | 582.6 | 562.1 | 559.7 |
| 35° | 1994.5 | 1851.3 | 1528.7 | 1136.3 | 802.9 | 658.4 | 604.2 | 556.1 | 503.2 | 480.3 | 474.3 |
| 37.5° | 2217.2 | 2021.0 | 1519.1 | 1003.9 | 677.7 | 595.9 | 548.9 | 489.9 | 444.2 | 412.9 | 409.3 |
| 40° | 2513.4 | 2219.6 | 1472.1 | 842.6 | 585.0 | 540.4 | 489.9 | 433.3 | 376.8 | 350.3 | 347.9 |
| 42.5° | 2873.2 | 2462.8 | 1386.7 | 678.9 | 492.4 | 485.1 | 439.3 | 374.4 | 323.8 | 304.5 | 305.8 |
| 45° | 3165.7 | 2671.0 | 1300.0 | 545.3 | 423.7 | 430.9 | 391.2 | 329.8 | 294.9 | 279.3 | 279.3 |
| 47.5° | 3425.7 | 2811.8 | 1206.1 | 450.1 | 359.9 | 376.8 | 341.9 | 305.8 | 275.6 | 263.6 | 261.2 |
| 50° | 3676.1 | 2955.0 | 1112.3 | 364.7 | 306.9 | 323.8 | 320.2 | 291.3 | 267.2 | 252.8 | 254.0 |
| 52.5° | 3832.6 | 2978.0 | 993.1 | 298.5 | 268.4 | 287.7 | 299.7 | 273.3 | 246.7 | 238.3 | 235.9 |
| 55° | 3641.2 | 2683.0 | 770.4 | 245.5 | 227.5 | 252.8 | 275.6 | 245.5 | 225.1 | 210.6 | 209.5 |
| 56° | 3383.6 | 2399.0 | 643.9 | 226.3 | 215.5 | 243.1 | 267.2 | 234.7 | 211.9 | 203.4 | 197.4 |
| 57.5° | 2864.8 | 1963.2 | 475.4 | 201.0 | 199.8 | 226.3 | 254.0 | 223.9 | 197.4 | 190.2 | 190.2 |
| 60° | 1786.3 | 1105.0 | 287.7 | 168.5 | 173.4 | 201.0 | 228.7 | 199.8 | 175.7 | 175.7 | 179.4 |
| 62.5° | 813.7 | 459.8 | 174.5 | 143.2 | 149.2 | 173.4 | 203.4 | 180.6 | 167.3 | 180.6 | 183.0 |
| 65° | 276.9 | 198.6 | 126.4 | 114.3 | 118.0 | 143.2 | 174.5 | 183.0 | 181.7 | 190.2 | 195.0 |
| 67.5° | 155.3 | 127.6 | 105.9 | 95.1 | 92.7 | 105.9 | 143.2 | 183.0 | 175.7 | 172.1 | 174.5 |
| 70° | 131.2 | 108.4 | 93.9 | 84.3 | 80.6 | 85.4 | 110.7 | 138.4 | 123.9 | 120.3 | 118.0 |
| 72.5° | 105.9 | 90.3 | 81.8 | 75.8 | 65.0 | 55.4 | 50.6 | 52.9 | 59.0 | 62.6 | 68.6 |
| 75° | 74.6 | 68.6 | 68.6 | 61.4 | 47.0 | 34.9 | 27.7 | 22.9 | 15.7 | 10.8 | 12.1 |
| 77.5° | 42.1 | 42.1 | 43.3 | 37.3 | 30.1 | 22.9 | 16.8 | 12.1 | 6.0 | 2.4 | 1.2 |
| 80° | 28.9 | 31.3 | 33.7 | 30.1 | 25.3 | 20.4 | 14.4 | 8.5 | 3.6 | 0.0 | 0.0 |
| 82.5° | 28.9 | 32.5 | 34.9 | 30.1 | 25.3 | 19.3 | 14.4 | 8.5 | 3.6 | 1.2 | 0.0 |
| 85° | 6.0 | 7.2 | 8.5 | 9.6 | 14.4 | 14.4 | 10.8 | 7.2 | 3.6 | 1.2 | 0.0 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 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 |

(END OF REPORT)