

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: P526801

Luminaire Tested: **GLAN-SA1D-735-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526801
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-735-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4256 lumens
Efficiency: N/A
Efficacy: 65.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G0

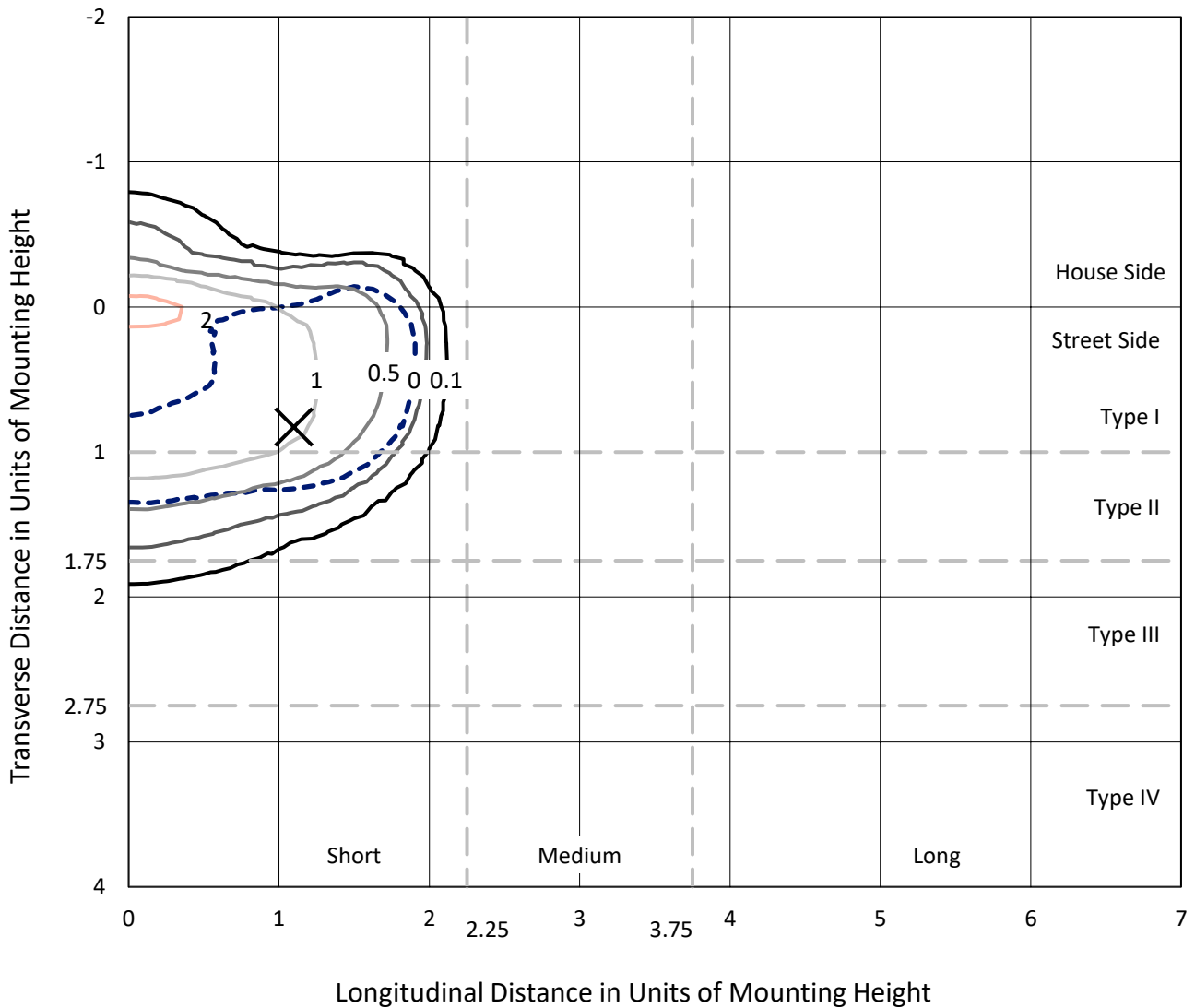
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

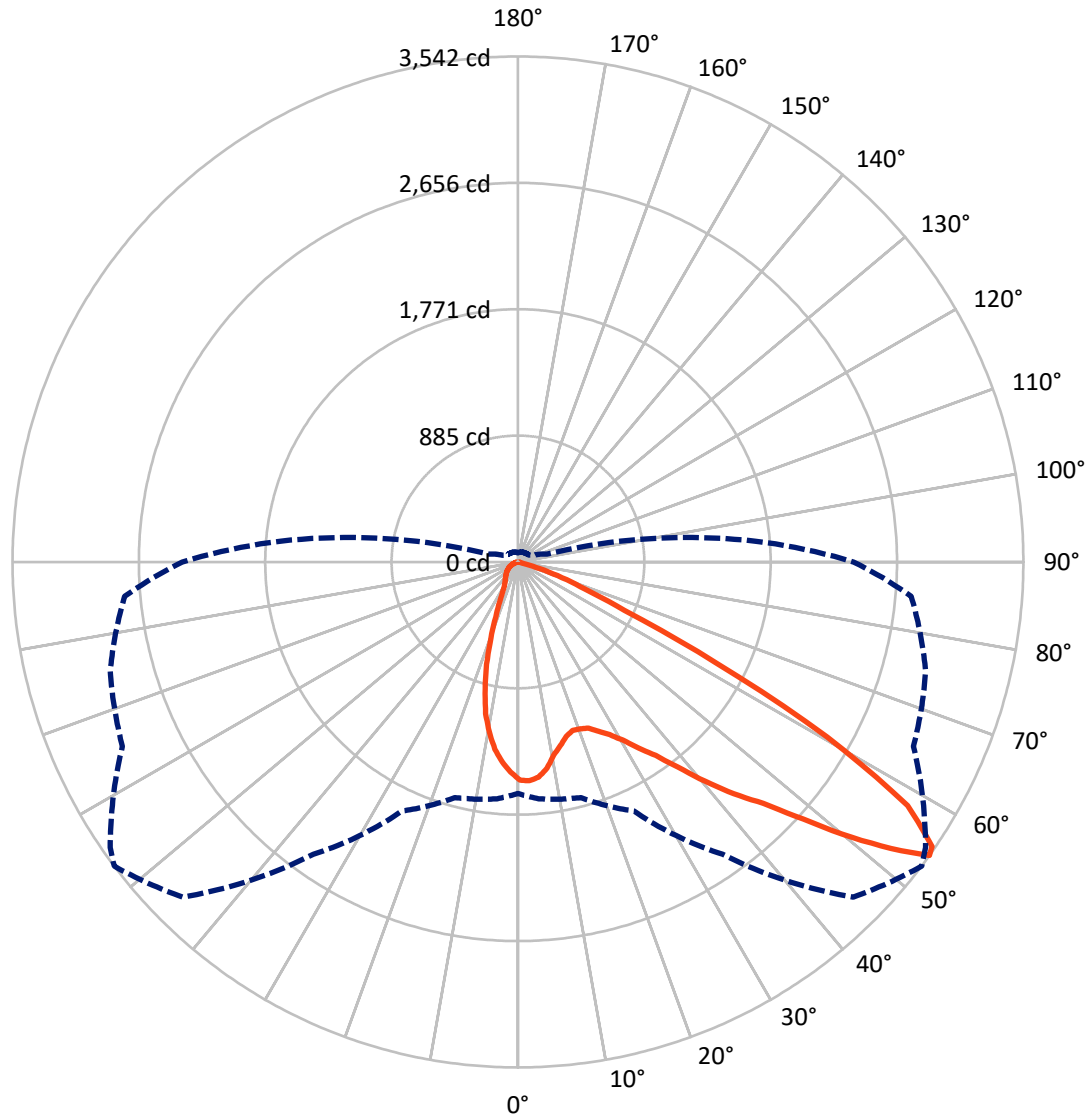
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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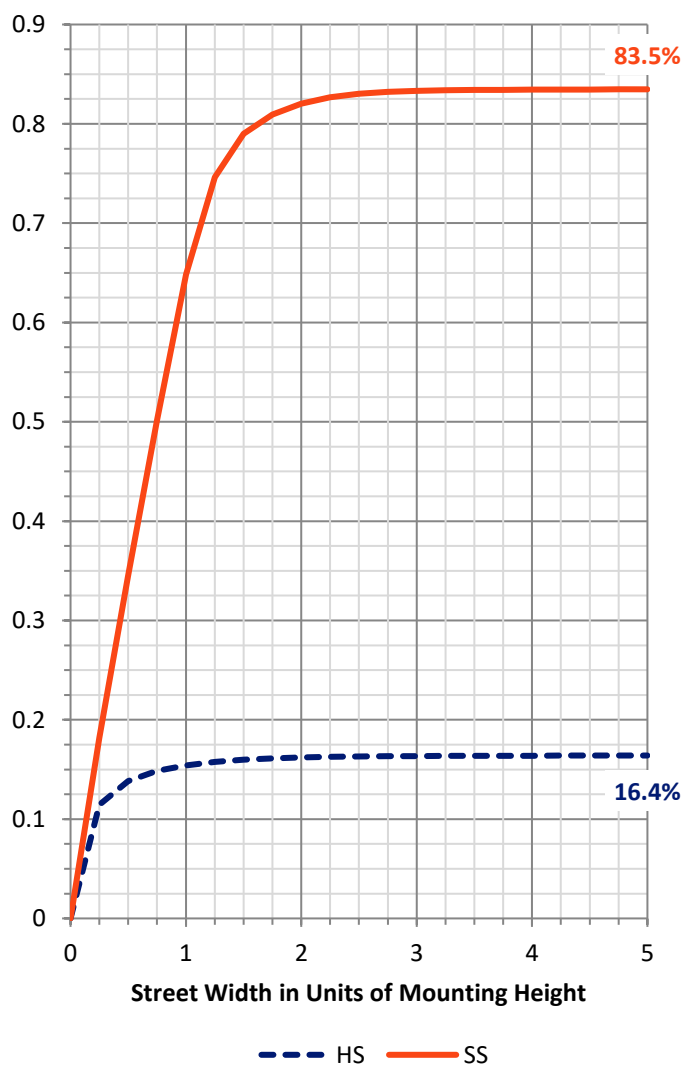
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 704.2 | 0.0 | 704.2 |
| | % Fixture | 16.5 | 0.0 | 16.5 |
| Street Side | Lumens | 3551.8 | 0.0 | 3551.8 |
| | % Fixture | 83.5 | 0.0 | 83.5 |
| Total | Lumens | 4256.0 | 0.0 | 4256.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 131.2 | 3.1 |
| 10°-20° | 300.7 | 7.1 |
| 20°-30° | 427.4 | 10.0 |
| 30°-40° | 659.5 | 15.5 |
| 40°-50° | 1034.1 | 24.3 |
| 50°-60° | 1201.2 | 28.2 |
| 60°-70° | 453.9 | 10.7 |
| 70°-80° | 43.2 | 1.0 |
| 80°-90° | 4.9 | 0.1 |
| 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° | 4256.0 | 100.0 |
| 0°-180° | 4256.0 | 100.0 |

Coefficient of Utilization



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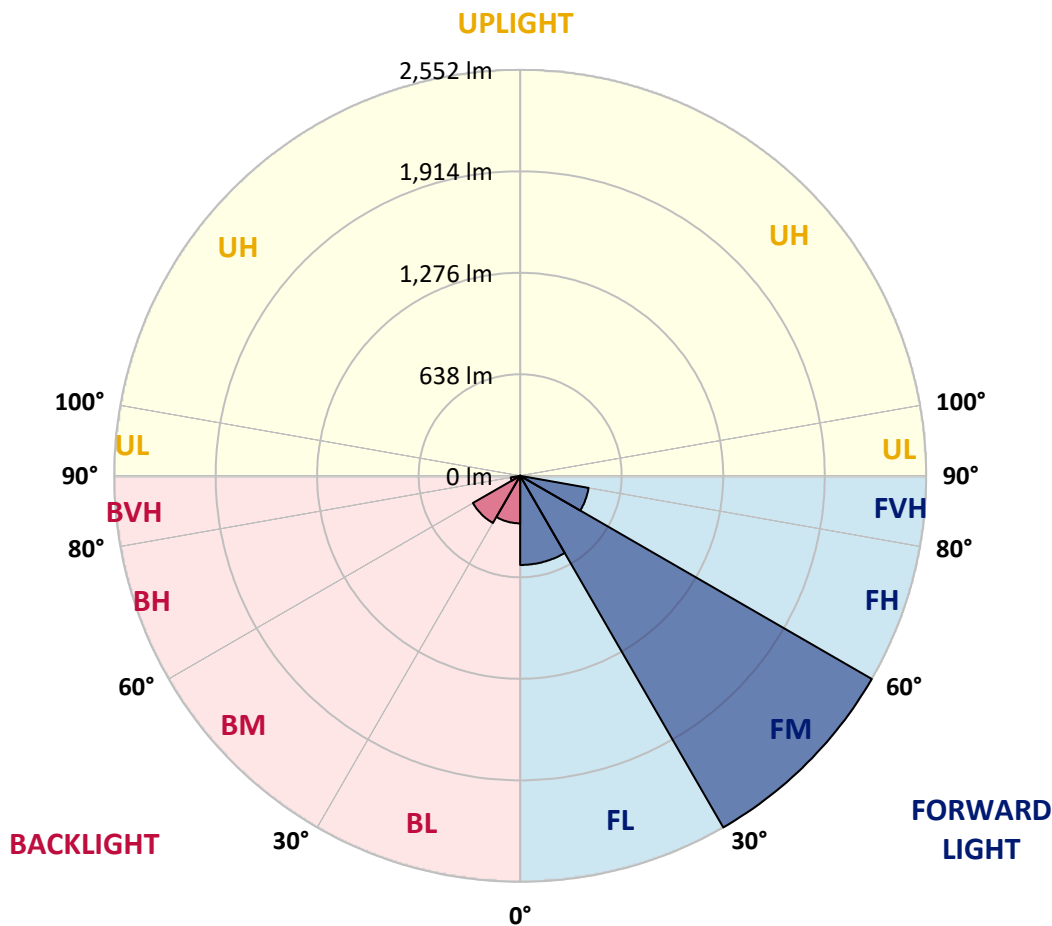
CATALOG NUMBER: GLAN-SA1D-735-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 560.4 | 13.2 | | | |
| FM (30°-60°) | 2552.2 | 60.0 | | | |
| FH (60°-80°) | 436.7 | 10.3 | | | G0/660 |
| FVH (80°-90°) | 2.5 | 0.1 | | | G0/10 |
| BL (0°-30°) | 298.8 | 7.0 | B1/500 | | |
| BM (30°-60°) | 342.7 | 8.1 | B1/1000 | | |
| BH (60°-80°) | 60.3 | 1.4 | B0/110 | | G0/110 |
| BVH (80°-90°) | 2.4 | 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-G0

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 53° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 |
| 2.5° | 1520.8 | 1507.3 | 1520.8 | 1522.3 | 1531.9 | 1540.6 | 1535.0 | 1547.7 | 1540.6 | 1532.6 | 1530.3 |
| 5° | 1397.9 | 1416.1 | 1416.9 | 1445.4 | 1439.1 | 1491.4 | 1514.4 | 1508.1 | 1546.9 | 1544.5 | 1539.0 |
| 7.5° | 1287.6 | 1280.5 | 1290.0 | 1323.3 | 1365.3 | 1425.6 | 1458.9 | 1458.1 | 1513.6 | 1553.3 | 1549.3 |
| 10° | 1185.4 | 1184.6 | 1204.4 | 1230.6 | 1266.2 | 1329.7 | 1375.7 | 1398.7 | 1485.1 | 1545.3 | 1554.1 |
| 12.5° | 1116.4 | 1113.2 | 1134.6 | 1156.0 | 1212.3 | 1261.5 | 1320.2 | 1331.3 | 1430.4 | 1517.6 | 1531.9 |
| 15° | 1071.2 | 1078.3 | 1079.9 | 1121.1 | 1156.8 | 1221.8 | 1267.8 | 1290.8 | 1405.0 | 1495.4 | 1550.1 |
| 17.5° | 1063.3 | 1072.8 | 1073.6 | 1107.7 | 1145.7 | 1200.4 | 1240.9 | 1271.8 | 1383.6 | 1506.5 | 1550.9 |
| 20° | 1079.1 | 1073.6 | 1078.3 | 1099.7 | 1137.0 | 1189.3 | 1248.0 | 1258.3 | 1376.4 | 1512.0 | 1559.6 |
| 22.5° | 1124.3 | 1122.7 | 1110.8 | 1128.3 | 1154.4 | 1209.2 | 1264.7 | 1280.5 | 1397.1 | 1540.6 | 1566.7 |
| 25° | 1174.3 | 1183.0 | 1171.9 | 1169.5 | 1187.7 | 1241.7 | 1315.4 | 1336.0 | 1466.0 | 1592.1 | 1588.9 |
| 27.5° | 1267.8 | 1259.1 | 1259.1 | 1248.0 | 1243.2 | 1269.4 | 1370.1 | 1404.2 | 1543.0 | 1658.7 | 1614.3 |
| 30° | 1357.4 | 1366.9 | 1359.8 | 1363.8 | 1332.0 | 1329.7 | 1447.8 | 1489.8 | 1679.3 | 1760.2 | 1668.2 |
| 32.5° | 1499.3 | 1486.7 | 1498.6 | 1488.2 | 1446.2 | 1403.4 | 1553.3 | 1596.9 | 1844.3 | 1876.8 | 1749.1 |
| 35° | 1617.5 | 1611.9 | 1662.7 | 1661.1 | 1592.9 | 1550.9 | 1665.1 | 1730.1 | 1959.2 | 2016.3 | 1844.3 |
| 37.5° | 1785.6 | 1775.3 | 1833.2 | 1860.9 | 1799.9 | 1737.2 | 1825.2 | 1900.5 | 2066.3 | 2128.1 | 1941.8 |
| 40° | 1958.4 | 1984.6 | 2062.3 | 2108.3 | 2043.3 | 1960.0 | 2021.1 | 2044.1 | 2137.6 | 2201.1 | 2008.4 |
| 42.5° | 2177.3 | 2215.3 | 2294.6 | 2334.3 | 2328.7 | 2238.3 | 2220.1 | 2219.3 | 2189.2 | 2180.4 | 2057.5 |
| 45° | 2387.4 | 2373.1 | 2495.2 | 2581.6 | 2651.4 | 2625.2 | 2412.0 | 2388.2 | 2270.8 | 2211.4 | 2070.2 |
| 47.5° | 2479.4 | 2474.6 | 2557.8 | 2711.7 | 2949.5 | 2982.0 | 2691.1 | 2599.1 | 2408.8 | 2341.4 | 2139.2 |
| 50° | 2360.4 | 2385.0 | 2467.5 | 2637.9 | 3002.7 | 3250.8 | 3033.6 | 2909.9 | 2569.7 | 2500.0 | 2302.5 |
| 52.5° | 1971.9 | 1988.6 | 2067.1 | 2283.5 | 2821.9 | 3409.4 | 3361.8 | 3290.5 | 2865.5 | 2749.7 | 2587.2 |
| 54° | 1621.5 | 1665.9 | 1708.7 | 1925.9 | 2500.0 | 3321.4 | 3541.8 | 3487.1 | 3058.2 | 2957.5 | 2766.4 |
| 55° | 1412.1 | 1438.3 | 1469.2 | 1685.7 | 2277.2 | 3172.3 | 3521.2 | 3526.0 | 3187.4 | 3022.5 | 2886.9 |
| 57.5° | 1031.5 | 1049.8 | 1018.1 | 1114.0 | 1563.6 | 2576.1 | 3220.7 | 3349.1 | 3361.8 | 3120.0 | 2960.6 |
| 60° | 788.1 | 796.1 | 760.4 | 775.4 | 972.1 | 1768.1 | 2491.2 | 2645.9 | 3032.8 | 2726.7 | 2507.9 |
| 62.5° | 611.3 | 612.9 | 612.1 | 638.3 | 670.0 | 1040.3 | 1558.0 | 1695.2 | 2090.8 | 1936.2 | 1703.1 |
| 65° | 450.4 | 443.2 | 455.9 | 535.2 | 571.7 | 654.1 | 820.6 | 920.5 | 1136.2 | 959.4 | 685.8 |
| 67.5° | 291.8 | 294.2 | 306.8 | 398.0 | 490.0 | 501.9 | 505.1 | 497.1 | 497.9 | 274.3 | 172.1 |
| 70° | 175.2 | 179.2 | 175.2 | 225.2 | 350.5 | 360.0 | 329.0 | 321.1 | 250.6 | 65.0 | 64.2 |
| 72.5° | 103.9 | 98.3 | 88.0 | 96.7 | 145.9 | 174.4 | 157.0 | 156.2 | 98.3 | 38.1 | 38.1 |
| 75° | 43.6 | 39.6 | 32.5 | 29.3 | 38.9 | 37.3 | 37.3 | 33.3 | 26.2 | 25.4 | 23.8 |
| 77.5° | 8.7 | 8.7 | 6.3 | 7.1 | 9.5 | 11.1 | 13.5 | 13.5 | 15.9 | 15.9 | 15.1 |
| 80° | 0.0 | 0.8 | 2.4 | 4.8 | 7.1 | 10.3 | 11.9 | 11.9 | 13.5 | 13.5 | 11.1 |
| 82.5° | 0.0 | 0.8 | 2.4 | 4.8 | 6.3 | 9.5 | 11.9 | 11.9 | 13.5 | 14.3 | 11.9 |
| 85° | 0.0 | 0.8 | 2.4 | 4.0 | 6.3 | 7.9 | 7.9 | 7.1 | 5.6 | 4.8 | 3.2 |
| 87.5° | 0.0 | 0.0 | 0.8 | 1.6 | 0.8 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 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-SA1D-735-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 | 1528.7 |
| 2.5° | 1535.8 | 1535.0 | 1516.0 | 1485.1 | 1477.9 | 1451.8 | 1448.6 | 1432.7 | 1441.5 | 1412.1 | 1409.0 |
| 5° | 1523.1 | 1513.6 | 1490.6 | 1470.8 | 1412.9 | 1371.7 | 1339.2 | 1299.5 | 1276.5 | 1280.5 | 1265.4 |
| 7.5° | 1541.4 | 1516.8 | 1476.4 | 1407.4 | 1336.8 | 1264.7 | 1225.8 | 1144.9 | 1115.6 | 1072.0 | 1065.6 |
| 10° | 1522.3 | 1504.1 | 1441.5 | 1327.3 | 1229.8 | 1125.9 | 1034.7 | 945.1 | 876.9 | 847.6 | 841.3 |
| 12.5° | 1520.8 | 1489.0 | 1384.4 | 1257.5 | 1116.4 | 967.3 | 834.9 | 723.1 | 655.7 | 617.7 | 608.9 |
| 15° | 1496.2 | 1458.1 | 1320.2 | 1149.7 | 954.6 | 769.1 | 624.8 | 517.0 | 465.4 | 443.2 | 449.6 |
| 17.5° | 1498.6 | 1441.5 | 1255.9 | 1035.5 | 795.3 | 564.5 | 426.6 | 371.1 | 357.6 | 363.1 | 363.1 |
| 20° | 1496.2 | 1404.2 | 1178.2 | 903.9 | 608.9 | 391.7 | 313.2 | 293.4 | 302.1 | 319.5 | 315.6 |
| 22.5° | 1483.5 | 1386.8 | 1106.9 | 765.1 | 448.0 | 290.2 | 251.3 | 252.1 | 265.6 | 287.0 | 291.8 |
| 25° | 1493.0 | 1347.9 | 1016.5 | 624.8 | 326.7 | 231.5 | 218.0 | 223.6 | 237.9 | 253.7 | 256.9 |
| 27.5° | 1485.9 | 1320.2 | 922.1 | 485.2 | 238.7 | 199.0 | 198.2 | 204.6 | 210.9 | 222.8 | 222.8 |
| 30° | 1493.8 | 1294.8 | 829.4 | 360.8 | 196.6 | 182.4 | 179.2 | 183.9 | 190.3 | 192.7 | 191.9 |
| 32.5° | 1523.1 | 1275.8 | 722.3 | 269.6 | 173.6 | 166.5 | 166.5 | 166.5 | 165.7 | 168.9 | 169.7 |
| 35° | 1587.4 | 1278.9 | 628.0 | 208.5 | 158.6 | 153.0 | 150.6 | 147.5 | 145.9 | 147.5 | 148.3 |
| 37.5° | 1657.1 | 1277.3 | 530.4 | 177.6 | 147.5 | 142.7 | 137.2 | 132.4 | 131.6 | 133.2 | 130.8 |
| 40° | 1688.1 | 1292.4 | 440.1 | 159.4 | 137.2 | 131.6 | 122.9 | 118.9 | 119.7 | 121.3 | 119.7 |
| 42.5° | 1730.1 | 1297.2 | 381.4 | 145.1 | 127.7 | 118.9 | 113.4 | 108.6 | 107.8 | 110.2 | 109.4 |
| 45° | 1729.3 | 1270.2 | 319.5 | 137.2 | 118.9 | 109.4 | 102.3 | 98.3 | 98.3 | 99.9 | 100.7 |
| 47.5° | 1780.0 | 1266.2 | 274.3 | 130.0 | 112.6 | 103.1 | 94.4 | 91.2 | 90.4 | 90.4 | 88.8 |
| 50° | 1898.2 | 1321.7 | 239.5 | 122.1 | 104.7 | 95.9 | 88.8 | 84.8 | 81.7 | 80.1 | 79.3 |
| 52.5° | 2128.9 | 1494.6 | 212.5 | 112.6 | 95.9 | 88.8 | 82.5 | 79.3 | 75.3 | 71.4 | 70.6 |
| 54° | 2352.5 | 1673.0 | 210.9 | 104.7 | 88.8 | 84.0 | 78.5 | 76.9 | 72.2 | 66.6 | 65.0 |
| 55° | 2453.2 | 1776.9 | 216.5 | 98.3 | 84.0 | 80.9 | 76.1 | 74.5 | 69.8 | 63.4 | 62.6 |
| 57.5° | 2536.4 | 1817.3 | 213.3 | 81.7 | 76.1 | 75.3 | 71.4 | 69.0 | 63.4 | 54.7 | 53.1 |
| 60° | 2041.7 | 1374.1 | 153.0 | 72.2 | 69.8 | 68.2 | 65.0 | 63.4 | 56.3 | 46.8 | 46.0 |
| 62.5° | 1290.0 | 790.5 | 97.5 | 63.4 | 61.1 | 58.7 | 54.7 | 53.1 | 46.8 | 37.3 | 34.9 |
| 65° | 549.5 | 327.5 | 65.8 | 56.3 | 52.3 | 48.4 | 45.2 | 42.8 | 37.3 | 27.8 | 27.0 |
| 67.5° | 142.7 | 116.6 | 54.7 | 49.2 | 43.6 | 38.1 | 35.7 | 31.7 | 25.4 | 19.0 | 18.2 |
| 70° | 64.2 | 58.7 | 46.0 | 41.2 | 34.9 | 29.3 | 26.2 | 22.2 | 16.7 | 12.7 | 11.9 |
| 72.5° | 38.1 | 37.3 | 34.9 | 30.9 | 26.2 | 22.2 | 19.0 | 15.1 | 11.1 | 7.1 | 7.1 |
| 75° | 23.8 | 23.0 | 23.8 | 21.4 | 18.2 | 16.7 | 14.3 | 10.3 | 6.3 | 3.2 | 3.2 |
| 77.5° | 14.3 | 14.3 | 14.3 | 13.5 | 12.7 | 12.7 | 10.3 | 6.3 | 3.2 | 0.8 | 0.8 |
| 80° | 11.1 | 11.1 | 11.9 | 11.1 | 11.1 | 11.1 | 8.7 | 4.8 | 1.6 | 0.0 | 0.0 |
| 82.5° | 11.1 | 11.9 | 13.5 | 12.7 | 11.1 | 9.5 | 7.9 | 4.8 | 1.6 | 0.0 | 0.0 |
| 85° | 3.2 | 2.4 | 4.0 | 5.6 | 7.9 | 7.1 | 5.6 | 4.0 | 1.6 | 0.0 | 0.0 |
| 87.5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 | 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 |

(END OF REPORT)