

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: P652672

Luminaire Tested: **GLAN-SA1C-840-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1C-840-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5157 lumens
Efficiency: N/A
Efficacy: 90.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

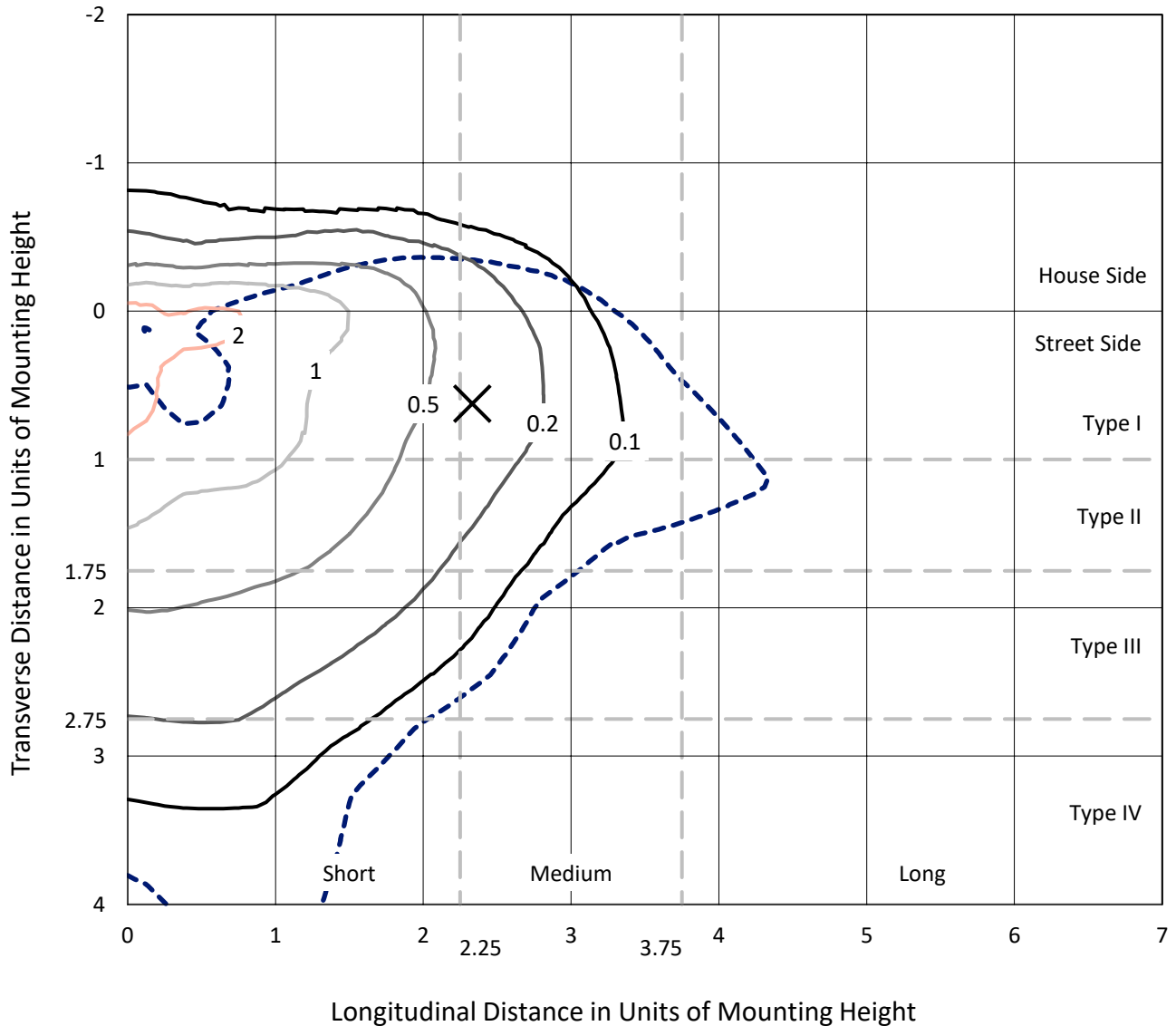
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

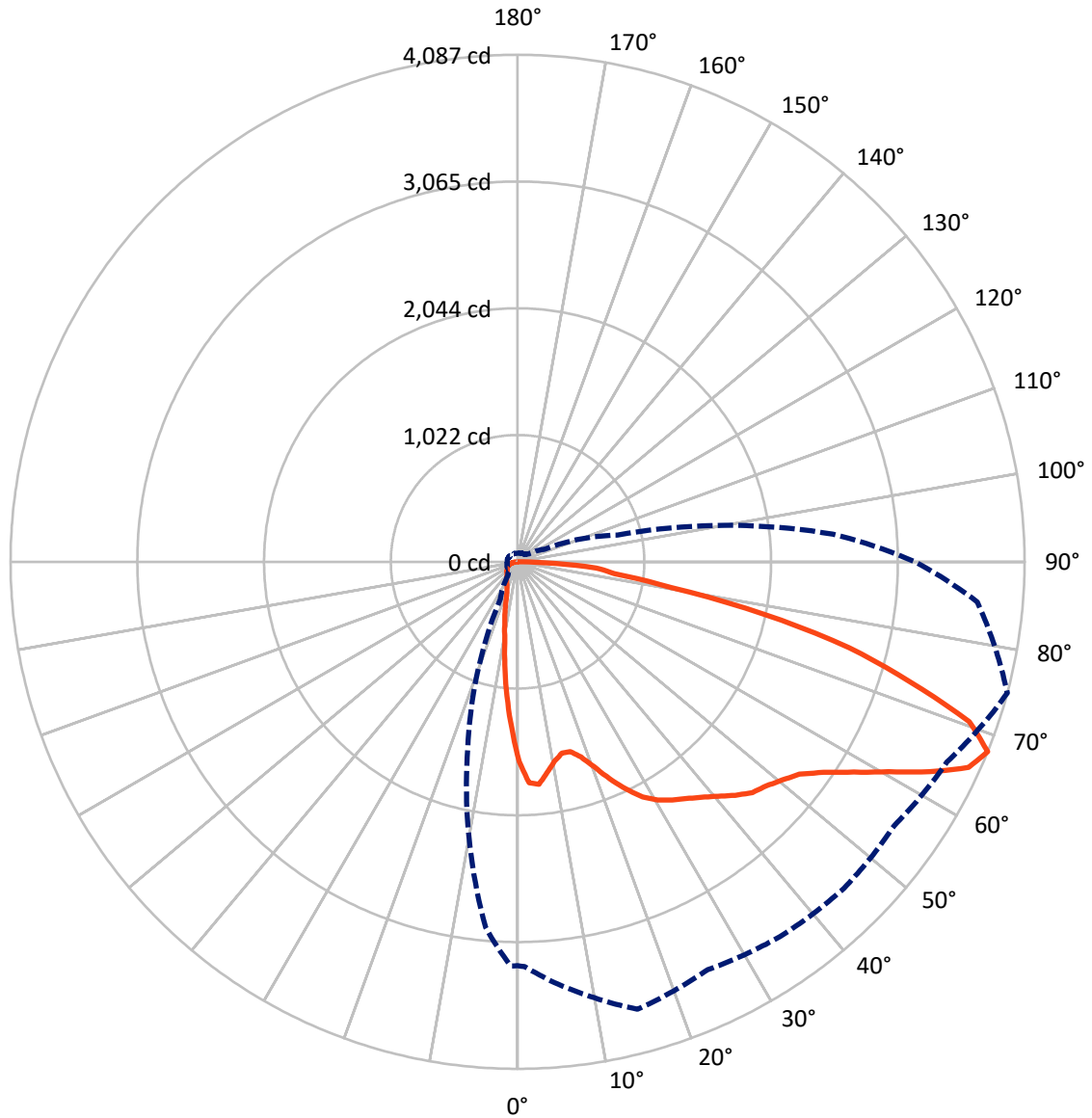
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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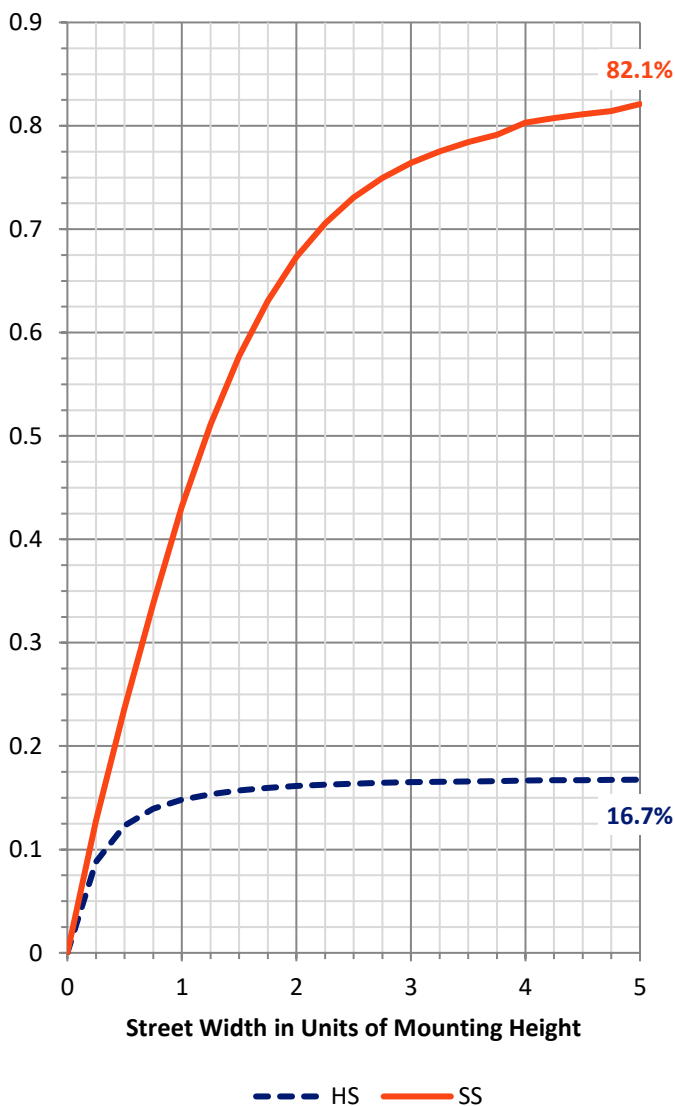
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 871.6 | 0.0 | 871.6 |
| | % Fixture | 16.9 | 0.0 | 16.9 |
| Street Side | Lumens | 4285.4 | 0.0 | 4285.4 |
| | % Fixture | 83.1 | 0.0 | 83.1 |
| Total | Lumens | 5157.0 | 0.0 | 5157.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 122.2 | 2.4 |
| 10°-20° | 254.9 | 4.9 |
| 20°-30° | 366.7 | 7.1 |
| 30°-40° | 528.2 | 10.2 |
| 40°-50° | 742.0 | 14.4 |
| 50°-60° | 1034.8 | 20.1 |
| 60°-70° | 1230.3 | 23.9 |
| 70°-80° | 724.6 | 14.1 |
| 80°-90° | 153.2 | 3.0 |
| 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° | 5157.0 | 100.0 |
| 0°-180° | 5157.0 | 100.0 |

Coefficient of Utilization

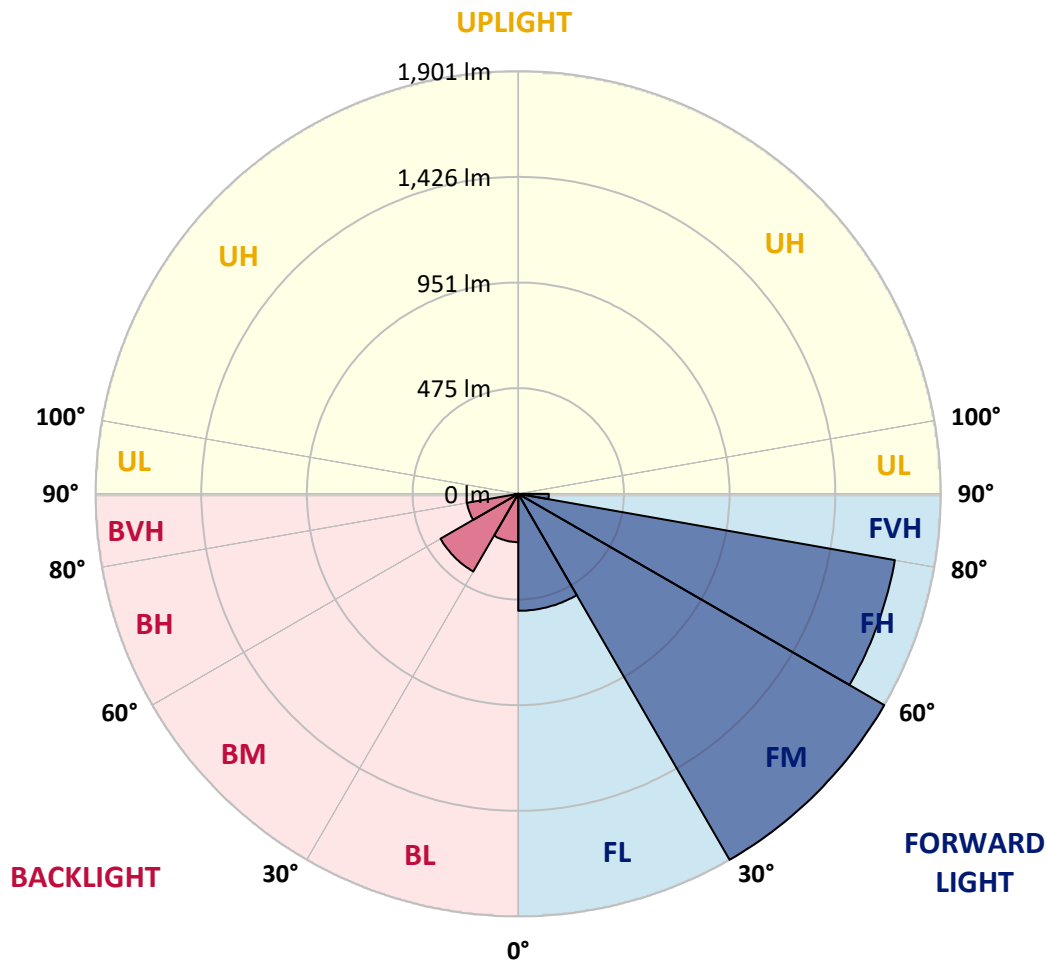


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 CATALOG NUMBER: GLAN-SA1C-840-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 526.4 | 10.2 | | | |
| FM (30°-60°) | 1901.2 | 36.9 | | | |
| FH (60°-80°) | 1720.4 | 33.4 | | | G1/1800 |
| FVH (80°-90°) | 137.4 | 2.7 | | | G2/225 |
| BL (0°-30°) | 217.4 | 4.2 | B1/500 | | |
| BM (30°-60°) | 403.8 | 7.8 | B1/1000 | | |
| BH (60°-80°) | 234.5 | 4.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 15.8 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type III Medium





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CATALOG NUMBER: GLAN-SA1C-840-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 |
| 2.5° | 1737.2 | 1739.5 | 1754.3 | 1797.7 | 1827.4 | 1838.3 | 1846.0 | 1831.8 | 1817.8 | 1784.1 | 1733.2 |
| 5° | 1731.9 | 1745.4 | 1784.1 | 1881.3 | 1958.1 | 1991.2 | 2001.1 | 1958.4 | 1888.0 | 1801.3 | 1697.1 |
| 7.5° | 1630.7 | 1648.9 | 1708.4 | 1871.4 | 2006.7 | 2084.1 | 2073.8 | 1996.8 | 1869.8 | 1715.3 | 1569.8 |
| 10° | 1510.6 | 1530.8 | 1602.6 | 1799.7 | 1973.9 | 2080.5 | 2080.5 | 1986.5 | 1817.8 | 1634.3 | 1466.6 |
| 12.5° | 1415.4 | 1436.6 | 1518.6 | 1725.9 | 1905.8 | 2006.7 | 2023.5 | 1942.9 | 1780.5 | 1583.1 | 1398.8 |
| 15° | 1383.9 | 1404.5 | 1492.8 | 1681.2 | 1833.7 | 1895.3 | 1900.8 | 1874.4 | 1762.3 | 1586.7 | 1395.9 |
| 17.5° | 1423.0 | 1449.5 | 1538.8 | 1694.5 | 1767.6 | 1771.2 | 1775.5 | 1796.4 | 1764.2 | 1653.2 | 1456.1 |
| 20° | 1535.8 | 1564.2 | 1657.4 | 1737.2 | 1709.8 | 1672.0 | 1674.3 | 1727.9 | 1787.8 | 1763.0 | 1599.9 |
| 22.5° | 1698.5 | 1723.3 | 1818.8 | 1812.3 | 1685.3 | 1607.6 | 1591.3 | 1666.1 | 1822.5 | 1899.9 | 1753.1 |
| 25° | 1874.1 | 1903.2 | 2012.9 | 1923.7 | 1692.2 | 1569.1 | 1559.0 | 1629.7 | 1858.5 | 2027.8 | 1929.9 |
| 27.5° | 2075.2 | 2103.6 | 2190.2 | 2036.1 | 1728.6 | 1566.2 | 1554.0 | 1626.4 | 1890.9 | 2146.2 | 2099.0 |
| 30° | 2224.6 | 2250.8 | 2309.6 | 2130.7 | 1773.2 | 1586.0 | 1570.8 | 1652.5 | 1918.7 | 2227.3 | 2263.6 |
| 32.5° | 2342.0 | 2369.1 | 2401.2 | 2189.5 | 1832.1 | 1622.1 | 1593.9 | 1700.2 | 1955.1 | 2289.1 | 2385.7 |
| 35° | 2464.4 | 2496.4 | 2494.2 | 2241.9 | 1887.0 | 1663.8 | 1636.3 | 1768.9 | 2012.3 | 2343.0 | 2540.4 |
| 37.5° | 2619.5 | 2632.4 | 2615.8 | 2288.8 | 1952.8 | 1738.9 | 1723.6 | 1871.1 | 2093.7 | 2408.1 | 2721.3 |
| 40° | 2776.9 | 2802.7 | 2717.7 | 2345.6 | 2032.8 | 1880.1 | 1878.4 | 2022.3 | 2190.2 | 2484.6 | 2896.6 |
| 42.5° | 2911.8 | 2933.7 | 2813.0 | 2395.3 | 2129.7 | 2052.3 | 2064.9 | 2224.9 | 2316.9 | 2573.2 | 3037.5 |
| 45° | 3013.3 | 3032.8 | 2900.9 | 2443.2 | 2257.3 | 2251.4 | 2325.4 | 2442.3 | 2476.6 | 2652.9 | 3120.2 |
| 47.5° | 3099.7 | 3118.5 | 2962.1 | 2515.9 | 2415.1 | 2489.2 | 2618.1 | 2668.7 | 2613.2 | 2698.5 | 3212.8 |
| 50° | 3172.4 | 3178.1 | 3004.1 | 2602.6 | 2610.9 | 2780.5 | 2905.6 | 2938.3 | 2748.1 | 2764.0 | 3293.1 |
| 52.5° | 3248.1 | 3240.9 | 3076.5 | 2711.7 | 2822.6 | 3057.0 | 3147.9 | 3182.0 | 2877.4 | 2844.7 | 3410.2 |
| 55° | 3417.8 | 3424.7 | 3238.9 | 2849.3 | 3036.5 | 3328.5 | 3448.2 | 3415.5 | 3020.6 | 2993.2 | 3559.0 |
| 57.5° | 3622.9 | 3616.9 | 3467.4 | 3064.6 | 3254.4 | 3581.1 | 3670.5 | 3617.9 | 3211.8 | 3197.2 | 3709.8 |
| 60° | 3702.5 | 3710.5 | 3658.5 | 3296.1 | 3469.4 | 3802.4 | 3893.7 | 3812.0 | 3441.0 | 3434.3 | 3823.5 |
| 62.5° | 3622.5 | 3667.1 | 3702.2 | 3502.1 | 3652.5 | 3965.1 | 4055.7 | 3962.5 | 3680.0 | 3728.0 | 3903.2 |
| 65° | 3463.1 | 3472.7 | 3592.1 | 3676.8 | 3740.9 | 3991.9 | 4039.2 | 3989.5 | 3879.8 | 3995.5 | 3899.6 |
| 67.5° | 3256.1 | 3264.3 | 3404.2 | 3734.0 | 3627.1 | 3687.6 | 3720.8 | 3706.1 | 3818.0 | 4087.1 | 3720.1 |
| 70° | 3059.0 | 3052.3 | 3200.2 | 3588.1 | 3157.5 | 3065.6 | 3093.0 | 3047.4 | 3294.4 | 3863.2 | 3367.9 |
| 72.5° | 2675.4 | 2699.2 | 2857.9 | 3182.7 | 2500.1 | 2350.6 | 2410.5 | 2292.4 | 2533.8 | 3308.7 | 2733.6 |
| 75° | 2095.7 | 2101.2 | 2366.2 | 2671.1 | 1886.0 | 1650.2 | 1731.2 | 1681.9 | 1940.9 | 2760.0 | 1887.6 |
| 77.5° | 1451.1 | 1438.5 | 1723.3 | 2040.1 | 1344.9 | 1208.0 | 1209.4 | 1185.9 | 1355.2 | 2032.2 | 1282.4 |
| 80° | 921.7 | 902.5 | 1078.8 | 1260.3 | 924.3 | 988.8 | 956.4 | 955.4 | 882.3 | 1253.7 | 775.5 |
| 82.5° | 498.0 | 519.2 | 681.5 | 790.0 | 663.0 | 764.2 | 700.4 | 679.9 | 605.5 | 784.7 | 496.0 |
| 85° | 226.9 | 246.7 | 363.5 | 537.4 | 503.7 | 509.3 | 340.3 | 401.5 | 501.0 | 637.2 | 264.9 |
| 87.5° | 22.1 | 28.4 | 75.1 | 253.6 | 172.0 | 135.6 | 50.6 | 97.6 | 126.0 | 226.6 | 21.2 |
| 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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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 |
| 2.5° | 1712.4 | 1695.2 | 1636.7 | 1588.3 | 1537.1 | 1498.1 | 1447.1 | 1413.0 | 1389.6 | 1354.2 | 1349.9 |
| 5° | 1633.6 | 1591.7 | 1489.8 | 1386.0 | 1296.3 | 1228.9 | 1160.4 | 1097.6 | 1060.6 | 1049.0 | 1034.1 |
| 7.5° | 1501.0 | 1430.3 | 1299.3 | 1180.3 | 1077.4 | 976.9 | 899.5 | 844.6 | 807.9 | 786.4 | 760.6 |
| 10° | 1391.9 | 1309.9 | 1150.5 | 1004.7 | 920.0 | 857.5 | 789.4 | 730.5 | 685.2 | 646.6 | 625.4 |
| 12.5° | 1318.5 | 1225.9 | 1046.7 | 928.3 | 862.8 | 796.3 | 716.6 | 650.5 | 583.7 | 539.7 | 520.8 |
| 15° | 1296.3 | 1198.4 | 1014.6 | 890.3 | 796.3 | 709.4 | 620.1 | 533.8 | 467.6 | 426.0 | 412.1 |
| 17.5° | 1350.6 | 1232.1 | 1014.2 | 839.7 | 718.3 | 614.4 | 500.1 | 419.0 | 351.2 | 320.1 | 310.2 |
| 20° | 1451.7 | 1297.0 | 1017.3 | 789.7 | 633.6 | 487.4 | 363.7 | 297.3 | 264.9 | 251.6 | 246.7 |
| 22.5° | 1593.0 | 1395.9 | 1026.2 | 740.4 | 541.0 | 374.3 | 272.5 | 238.8 | 227.2 | 224.9 | 223.9 |
| 25° | 1766.9 | 1518.3 | 1056.3 | 696.1 | 463.0 | 285.7 | 227.8 | 212.6 | 206.0 | 203.7 | 203.4 |
| 27.5° | 1927.0 | 1676.3 | 1092.6 | 658.1 | 387.6 | 246.4 | 206.0 | 193.1 | 186.5 | 186.2 | 186.9 |
| 30° | 2071.5 | 1808.6 | 1123.1 | 615.4 | 330.3 | 218.9 | 191.8 | 178.9 | 172.7 | 172.3 | 174.3 |
| 32.5° | 2196.5 | 1917.4 | 1145.5 | 573.4 | 298.6 | 202.1 | 178.9 | 165.0 | 159.7 | 158.7 | 159.7 |
| 35° | 2330.1 | 2025.9 | 1135.3 | 540.7 | 280.5 | 188.1 | 169.3 | 155.8 | 149.4 | 146.5 | 146.5 |
| 37.5° | 2482.5 | 2137.7 | 1117.8 | 513.6 | 272.1 | 176.6 | 161.1 | 147.8 | 141.5 | 138.6 | 138.3 |
| 40° | 2648.9 | 2249.4 | 1093.6 | 489.5 | 263.9 | 169.6 | 155.4 | 141.5 | 134.0 | 130.9 | 130.3 |
| 42.5° | 2795.7 | 2345.0 | 1073.8 | 473.6 | 250.4 | 171.0 | 150.5 | 136.9 | 127.3 | 123.4 | 123.0 |
| 45° | 2923.4 | 2441.3 | 1070.2 | 464.3 | 239.1 | 169.0 | 149.1 | 133.3 | 122.0 | 117.7 | 117.1 |
| 47.5° | 3023.2 | 2541.4 | 1090.9 | 459.0 | 226.9 | 158.4 | 157.8 | 130.9 | 117.4 | 112.8 | 112.1 |
| 50° | 3144.9 | 2683.6 | 1138.6 | 448.1 | 215.6 | 148.5 | 166.7 | 130.6 | 113.8 | 107.8 | 106.1 |
| 52.5° | 3307.0 | 2868.8 | 1203.1 | 428.6 | 199.4 | 139.2 | 159.0 | 130.6 | 109.5 | 103.5 | 101.5 |
| 55° | 3552.0 | 3105.0 | 1266.3 | 401.2 | 176.6 | 127.0 | 143.6 | 126.7 | 103.2 | 97.9 | 96.5 |
| 57.5° | 3714.4 | 3277.5 | 1306.6 | 363.1 | 148.2 | 118.1 | 123.7 | 120.3 | 96.9 | 91.2 | 91.2 |
| 60° | 3722.7 | 3323.9 | 1287.4 | 315.1 | 130.3 | 109.8 | 107.5 | 121.4 | 91.2 | 85.4 | 84.7 |
| 62.5° | 3627.5 | 3210.4 | 1187.6 | 272.1 | 120.7 | 100.8 | 97.2 | 106.5 | 85.6 | 79.7 | 78.7 |
| 65° | 3478.6 | 2921.0 | 1014.2 | 251.6 | 115.4 | 92.9 | 87.6 | 87.3 | 79.7 | 74.1 | 72.7 |
| 67.5° | 3205.1 | 2552.7 | 833.3 | 239.8 | 112.8 | 84.0 | 79.1 | 77.4 | 72.7 | 68.1 | 67.4 |
| 70° | 2802.0 | 2138.0 | 668.3 | 234.8 | 111.4 | 74.8 | 70.7 | 68.8 | 64.8 | 61.1 | 60.9 |
| 72.5° | 2180.0 | 1734.2 | 551.6 | 231.5 | 110.8 | 66.1 | 61.8 | 59.2 | 56.9 | 53.6 | 53.6 |
| 75° | 1565.9 | 1275.9 | 421.0 | 208.7 | 102.5 | 56.9 | 52.2 | 50.6 | 47.3 | 44.7 | 45.3 |
| 77.5° | 987.2 | 859.2 | 277.1 | 153.5 | 79.4 | 45.7 | 41.6 | 40.7 | 38.0 | 34.4 | 36.7 |
| 80° | 666.7 | 604.2 | 161.7 | 96.5 | 50.0 | 33.4 | 32.0 | 31.7 | 28.8 | 24.8 | 25.1 |
| 82.5° | 453.7 | 445.1 | 84.0 | 54.9 | 28.8 | 19.5 | 18.8 | 19.5 | 16.2 | 13.2 | 13.2 |
| 85° | 177.3 | 242.0 | 39.7 | 21.5 | 9.3 | 2.9 | 4.3 | 4.6 | 2.6 | 1.3 | 1.7 |
| 87.5° | 3.3 | 24.8 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 |



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 CATALOG NUMBER: GLAN-SA1C-840-U-SLL

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 | 1611.2 |
| 2.5° | 1343.3 | 1340.3 | 1345.3 | 1324.2 | 1328.4 | 1336.3 | 1340.3 | 1342.7 | 1375.4 | 1367.8 | 1388.6 |
| 5° | 1048.0 | 1045.0 | 1064.2 | 1066.8 | 1076.7 | 1074.8 | 1084.4 | 1086.7 | 1098.6 | 1102.9 | 1132.0 |
| 7.5° | 762.3 | 775.1 | 797.0 | 808.2 | 825.1 | 830.4 | 825.4 | 837.6 | 812.8 | 830.7 | 836.0 |
| 10° | 612.4 | 596.9 | 587.7 | 613.4 | 616.8 | 641.3 | 631.3 | 623.3 | 637.9 | 638.6 | 652.4 |
| 12.5° | 509.9 | 476.5 | 454.4 | 461.6 | 469.6 | 480.2 | 481.8 | 497.7 | 508.3 | 518.2 | 526.5 |
| 15° | 399.8 | 388.2 | 368.1 | 358.2 | 369.4 | 373.7 | 383.9 | 397.2 | 408.4 | 411.4 | 422.6 |
| 17.5° | 306.9 | 308.9 | 305.5 | 299.6 | 306.5 | 309.8 | 310.5 | 310.8 | 313.9 | 311.8 | 328.4 |
| 20° | 247.0 | 254.0 | 262.2 | 263.6 | 265.9 | 267.5 | 264.6 | 253.3 | 253.6 | 260.6 | 265.9 |
| 22.5° | 223.5 | 224.9 | 234.1 | 237.1 | 244.4 | 241.5 | 232.8 | 227.5 | 226.9 | 228.5 | 231.2 |
| 25° | 205.0 | 207.1 | 213.6 | 218.2 | 223.9 | 218.6 | 212.3 | 207.4 | 206.7 | 208.3 | 211.0 |
| 27.5° | 188.5 | 191.5 | 197.5 | 202.1 | 207.4 | 202.4 | 196.5 | 192.2 | 191.8 | 191.5 | 193.1 |
| 30° | 175.3 | 178.5 | 182.9 | 188.1 | 191.8 | 187.5 | 181.9 | 179.6 | 179.2 | 178.5 | 179.2 |
| 32.5° | 162.1 | 167.4 | 171.6 | 174.3 | 178.0 | 174.6 | 170.3 | 169.0 | 166.7 | 164.7 | 163.7 |
| 35° | 147.2 | 152.8 | 159.4 | 162.7 | 166.3 | 163.1 | 160.0 | 154.4 | 150.5 | 150.1 | 150.8 |
| 37.5° | 138.6 | 140.9 | 146.2 | 151.8 | 155.4 | 153.7 | 148.2 | 142.5 | 141.5 | 141.5 | 142.2 |
| 40° | 130.9 | 132.0 | 134.2 | 141.5 | 148.2 | 143.2 | 136.2 | 134.6 | 134.6 | 134.2 | 134.6 |
| 42.5° | 123.4 | 124.4 | 124.4 | 129.9 | 140.5 | 132.6 | 127.3 | 127.3 | 127.3 | 127.7 | 128.7 |
| 45° | 116.4 | 116.7 | 116.4 | 120.3 | 130.3 | 123.7 | 120.0 | 121.0 | 121.7 | 122.4 | 123.0 |
| 47.5° | 110.4 | 110.8 | 110.4 | 113.8 | 118.7 | 116.1 | 114.1 | 115.4 | 116.7 | 117.7 | 118.4 |
| 50° | 105.1 | 104.9 | 105.5 | 107.5 | 109.8 | 110.4 | 109.2 | 111.1 | 111.8 | 113.1 | 114.7 |
| 52.5° | 100.5 | 100.2 | 100.8 | 101.8 | 105.1 | 105.1 | 105.1 | 106.8 | 108.2 | 109.5 | 111.8 |
| 55° | 95.2 | 95.5 | 96.5 | 97.9 | 102.2 | 101.5 | 101.8 | 103.2 | 104.5 | 106.5 | 107.8 |
| 57.5° | 90.2 | 90.9 | 92.3 | 94.3 | 98.6 | 98.2 | 98.6 | 99.2 | 100.8 | 101.8 | 103.2 |
| 60° | 84.7 | 86.0 | 87.6 | 89.0 | 93.3 | 92.9 | 94.6 | 95.9 | 96.9 | 96.9 | 97.6 |
| 62.5° | 79.1 | 81.0 | 82.7 | 83.7 | 88.3 | 88.6 | 90.9 | 91.9 | 92.6 | 91.9 | 92.9 |
| 65° | 73.4 | 76.4 | 77.0 | 78.4 | 83.0 | 83.3 | 86.0 | 88.3 | 87.6 | 87.0 | 88.6 |
| 67.5° | 67.8 | 71.4 | 71.1 | 72.7 | 77.4 | 78.0 | 80.4 | 84.4 | 83.0 | 82.3 | 83.7 |
| 70° | 61.5 | 64.2 | 64.5 | 65.5 | 71.7 | 70.7 | 74.4 | 78.0 | 77.0 | 77.4 | 77.4 |
| 72.5° | 54.6 | 56.9 | 56.9 | 58.9 | 65.5 | 63.8 | 66.8 | 70.7 | 70.7 | 70.5 | 70.5 |
| 75° | 46.3 | 47.6 | 48.9 | 51.9 | 58.9 | 56.9 | 58.9 | 62.5 | 63.2 | 62.5 | 62.5 |
| 77.5° | 37.3 | 39.4 | 40.0 | 44.0 | 48.9 | 48.6 | 50.6 | 52.2 | 53.6 | 52.9 | 52.9 |
| 80° | 26.5 | 28.4 | 31.1 | 35.4 | 38.3 | 39.4 | 40.4 | 41.6 | 42.3 | 42.3 | 43.0 |
| 82.5° | 14.9 | 17.8 | 20.2 | 24.5 | 25.8 | 30.8 | 30.4 | 31.5 | 30.4 | 26.8 | 29.8 |
| 85° | 3.3 | 6.3 | 8.9 | 11.3 | 12.9 | 17.8 | 18.8 | 21.2 | 17.5 | 16.2 | 16.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 5.3 | 7.3 | 6.3 | 5.3 | 5.3 |
| 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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| 32.5° | 167.0 | 177.6 | 192.5 | 222.5 | 339.0 | 598.5 | 1228.9 | 2082.1 | 2296.7 | 2342.0 |
| 35° | 155.4 | 164.3 | 179.9 | 205.4 | 310.5 | 568.2 | 1222.9 | 2178.9 | 2418.0 | 2464.4 |
| 37.5° | 147.2 | 154.7 | 170.3 | 189.1 | 289.1 | 536.4 | 1220.0 | 2306.9 | 2565.9 | 2619.5 |
| 40° | 139.5 | 147.5 | 161.7 | 178.5 | 267.5 | 499.0 | 1221.6 | 2433.9 | 2723.3 | 2776.9 |
| 42.5° | 133.6 | 142.5 | 154.1 | 175.6 | 245.4 | 468.9 | 1221.6 | 2544.4 | 2860.2 | 2911.8 |
| 45° | 128.7 | 138.3 | 149.4 | 175.3 | 227.8 | 446.2 | 1213.3 | 2639.3 | 2969.3 | 3013.3 |
| 47.5° | 124.4 | 134.9 | 151.1 | 169.3 | 223.5 | 429.6 | 1206.1 | 2715.4 | 3058.3 | 3099.7 |
| 50° | 121.4 | 134.0 | 160.7 | 162.4 | 224.9 | 424.6 | 1241.1 | 2811.3 | 3136.7 | 3172.4 |
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| 55° | 114.5 | 134.0 | 152.1 | 140.5 | 212.9 | 433.5 | 1408.1 | 3178.7 | 3415.8 | 3417.8 |
| 57.5° | 109.8 | 130.3 | 141.2 | 130.6 | 193.4 | 433.5 | 1521.2 | 3384.7 | 3621.2 | 3622.9 |
| 60° | 105.1 | 135.6 | 124.0 | 122.0 | 168.0 | 425.6 | 1640.6 | 3475.3 | 3685.7 | 3702.5 |
| 62.5° | 100.5 | 136.6 | 110.8 | 114.5 | 149.4 | 406.5 | 1729.6 | 3375.1 | 3598.4 | 3622.5 |
| 65° | 95.2 | 110.1 | 102.2 | 106.5 | 139.9 | 374.3 | 1701.4 | 3191.6 | 3434.3 | 3463.1 |
| 67.5° | 89.0 | 93.3 | 92.9 | 98.2 | 136.6 | 327.1 | 1553.3 | 2959.5 | 3257.7 | 3256.1 |
| 70° | 81.3 | 83.7 | 84.7 | 90.2 | 130.3 | 290.3 | 1294.4 | 2658.1 | 3022.0 | 3059.0 |
| 72.5° | 73.4 | 75.4 | 76.4 | 81.3 | 124.0 | 269.5 | 1004.7 | 2243.1 | 2617.5 | 2675.4 |
| 75° | 64.8 | 66.1 | 67.4 | 71.7 | 117.4 | 238.8 | 715.6 | 1712.4 | 2004.7 | 2095.7 |
| 77.5° | 55.9 | 55.9 | 57.5 | 61.8 | 98.9 | 197.1 | 480.2 | 1201.1 | 1358.2 | 1451.1 |
| 80° | 45.3 | 45.7 | 45.0 | 49.6 | 72.7 | 134.9 | 272.8 | 802.3 | 903.8 | 921.7 |
| 82.5° | 34.7 | 33.7 | 34.1 | 36.4 | 54.2 | 91.9 | 145.5 | 498.4 | 508.0 | 498.0 |
| 85° | 21.9 | 21.9 | 21.2 | 23.8 | 34.7 | 47.9 | 79.4 | 305.2 | 238.4 | 226.9 |
| 87.5° | 8.9 | 7.3 | 8.2 | 9.6 | 16.6 | 19.5 | 31.1 | 62.8 | 24.1 | 22.1 |
| 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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