

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: P653164

Luminaire Tested: **GLAN-SA1D-840-U-SLL-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P653164
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-23)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1D-840-U-SLL-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3639 lumens
Efficiency: N/A
Efficacy: 56.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

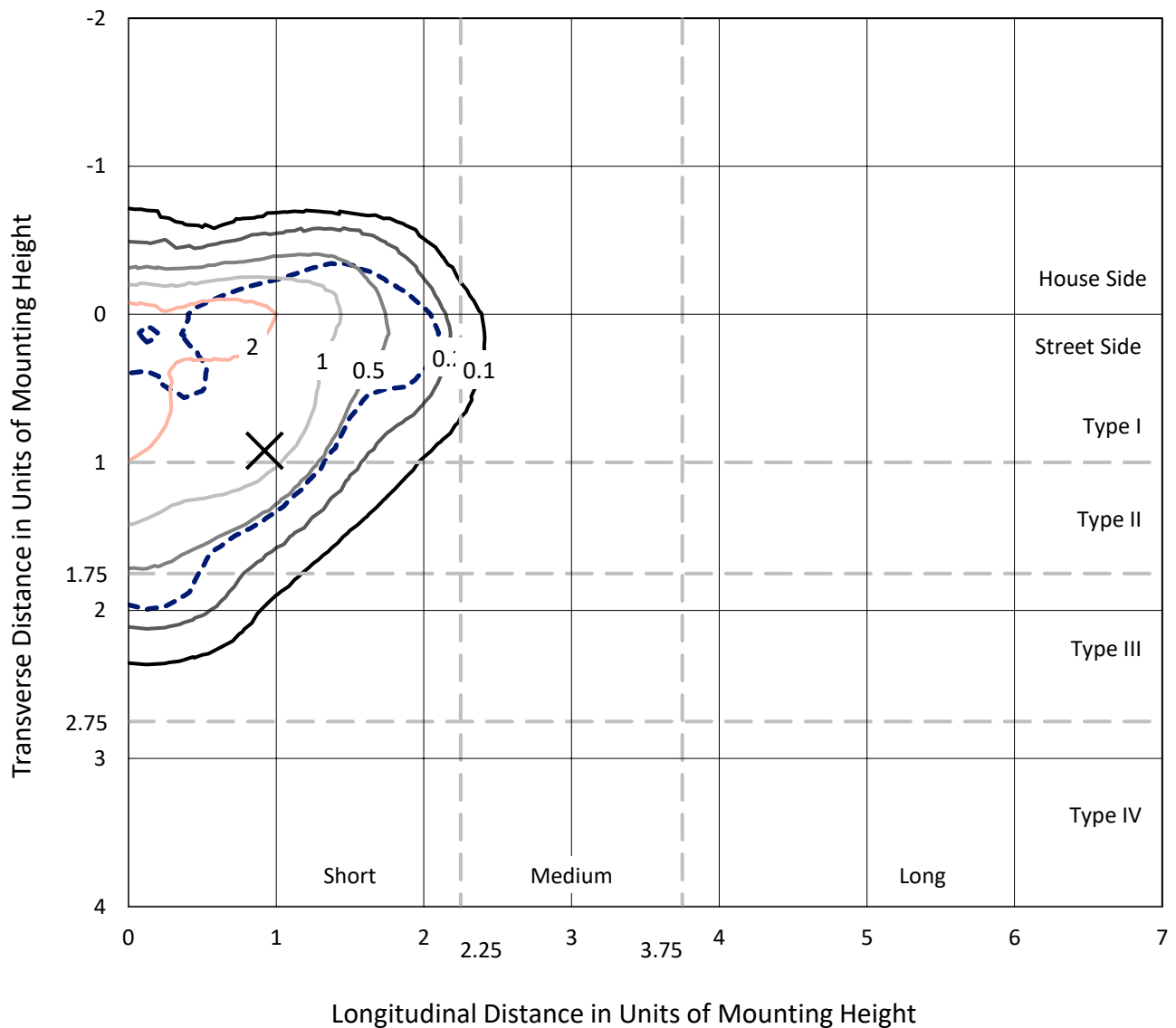
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

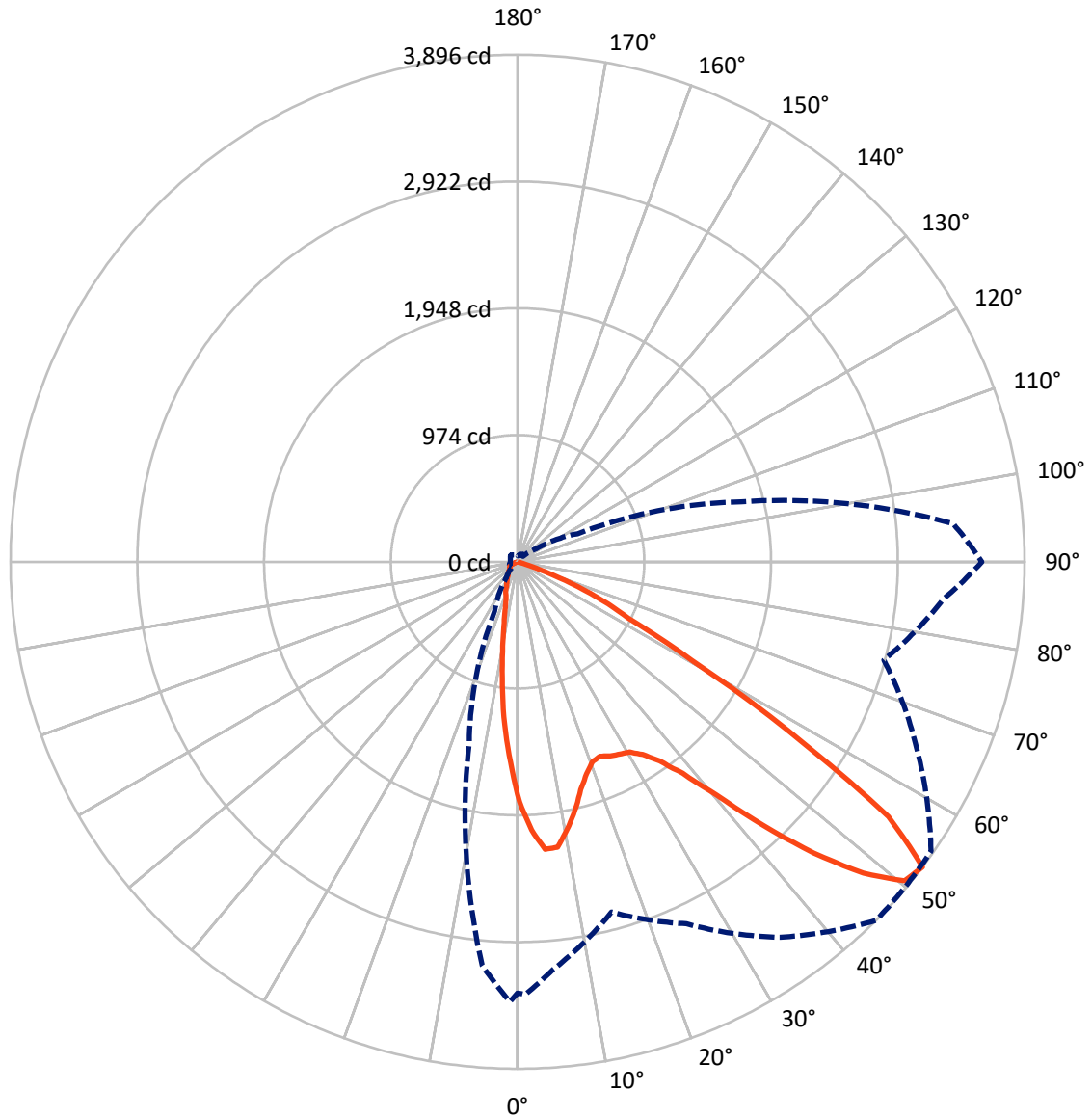
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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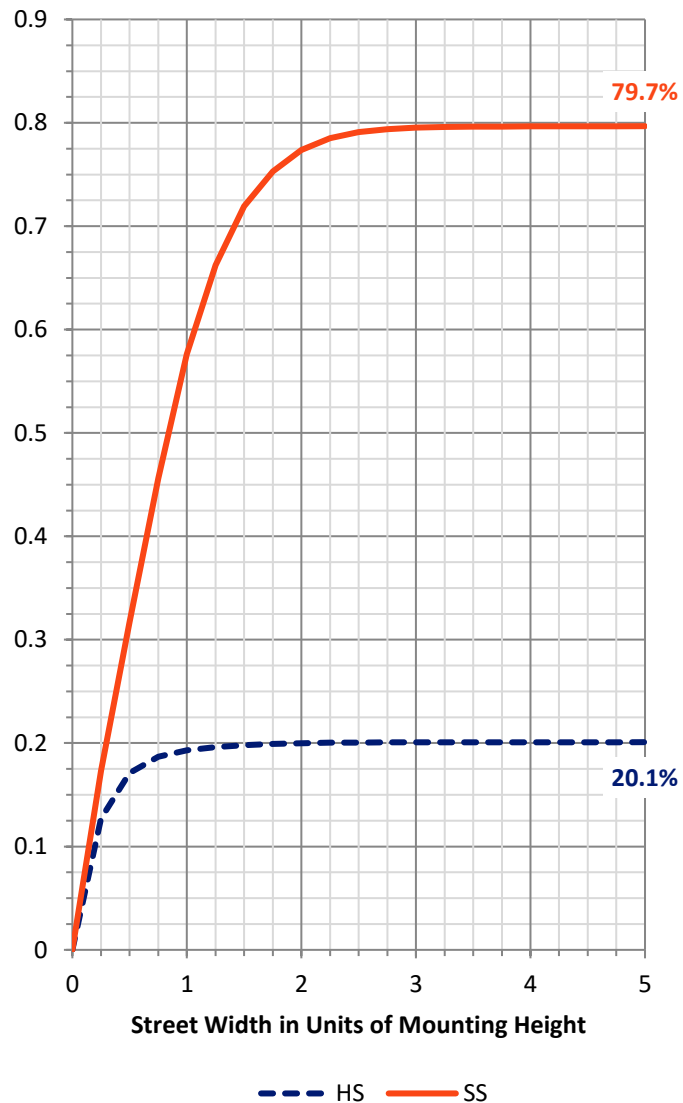
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 738.5 | 0.0 | 738.5 |
| | % Fixture | 20.3 | 0.0 | 20.3 |
| Street Side | Lumens | 2900.5 | 0.0 | 2900.5 |
| | % Fixture | 79.7 | 0.0 | 79.7 |
| Total | Lumens | 3639.0 | 0.0 | 3639.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 134.6 | 3.7 |
| 10°-20° | 265.5 | 7.3 |
| 20°-30° | 404.0 | 11.1 |
| 30°-40° | 603.9 | 16.6 |
| 40°-50° | 860.0 | 23.6 |
| 50°-60° | 924.4 | 25.4 |
| 60°-70° | 409.6 | 11.3 |
| 70°-80° | 33.1 | 0.9 |
| 80°-90° | 3.9 | 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° | 3639.0 | 100.0 |
| 0°-180° | 3639.0 | 100.0 |

Coefficient of Utilization

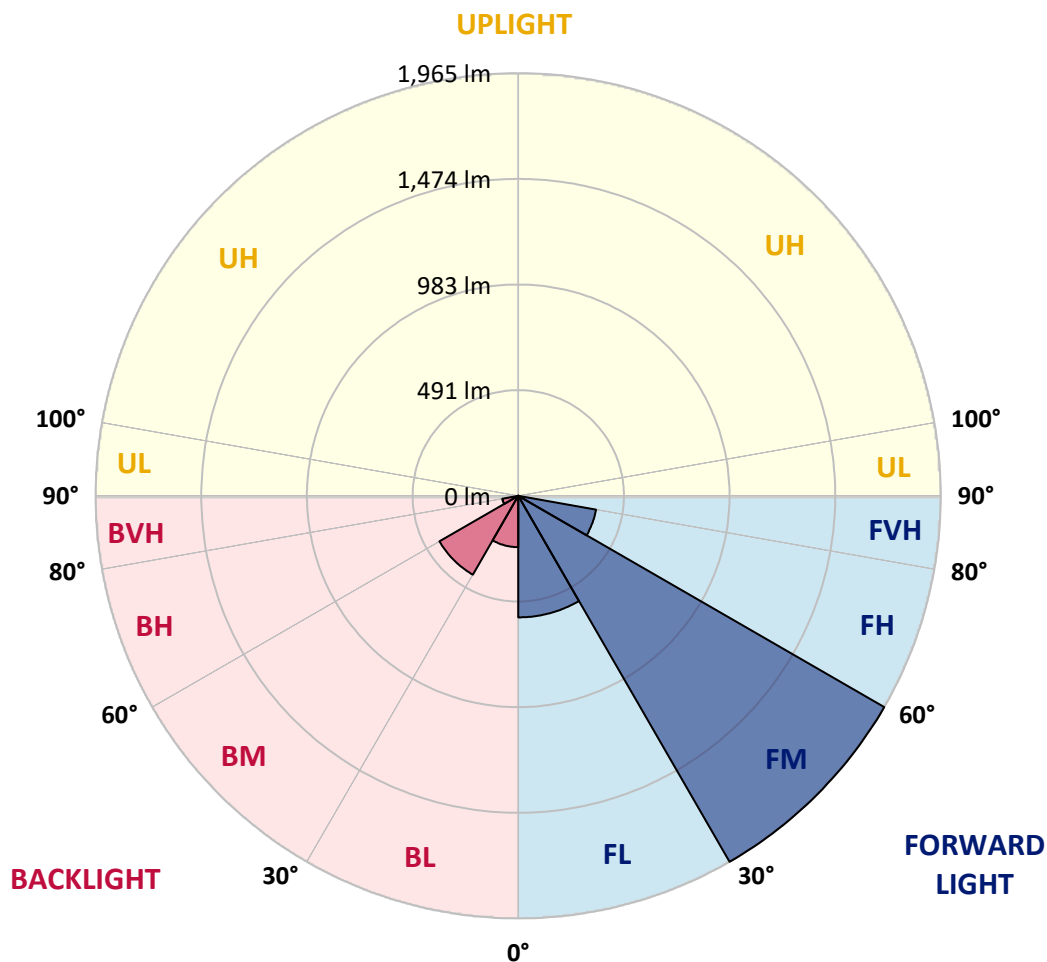


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 CATALOG NUMBER: GLAN-SA1D-840-U-SLL-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 565.2 | 15.5 | | | |
| FM (30°-60°) | 1965.2 | 54.0 | | | |
| FH (60°-80°) | 367.2 | 10.1 | | | G0/660 |
| FVH (80°-90°) | 2.9 | 0.1 | | | G0/10 |
| BL (0°-30°) | 238.9 | 6.6 | B1/500 | | |
| BM (30°-60°) | 423.1 | 11.6 | B1/1000 | | |
| BH (60°-80°) | 75.6 | 2.1 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.0 | 0.0 | | | 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 III Short





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CATALOG NUMBER: GLAN-SA1D-840-U-SLL-GRSBK

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 |
| 2.5° | 1952.5 | 1958.3 | 1989.7 | 2029.1 | 2049.9 | 2097.1 | 2064.2 | 2072.7 | 2054.8 | 1991.9 | 1942.5 |
| 5° | 1893.1 | 1892.4 | 1932.4 | 2029.8 | 2122.1 | 2215.9 | 2218.7 | 2168.7 | 2080.6 | 1984.0 | 1845.8 |
| 7.5° | 1714.1 | 1742.0 | 1783.6 | 1938.9 | 2110.0 | 2180.1 | 2213.8 | 2155.1 | 2019.7 | 1881.7 | 1732.0 |
| 10° | 1578.9 | 1593.2 | 1663.3 | 1850.9 | 1976.1 | 2069.9 | 2090.6 | 2057.0 | 1953.2 | 1780.7 | 1613.3 |
| 12.5° | 1500.8 | 1508.0 | 1590.3 | 1747.8 | 1880.2 | 1949.6 | 1959.7 | 1975.4 | 1901.0 | 1739.2 | 1538.1 |
| 15° | 1501.6 | 1507.3 | 1618.3 | 1750.0 | 1802.2 | 1783.6 | 1816.5 | 1815.8 | 1848.0 | 1731.4 | 1601.1 |
| 17.5° | 1609.7 | 1616.1 | 1716.3 | 1781.4 | 1758.5 | 1714.9 | 1712.7 | 1745.7 | 1813.6 | 1829.4 | 1696.3 |
| 20° | 1795.8 | 1810.8 | 1884.5 | 1880.9 | 1752.1 | 1664.1 | 1639.7 | 1664.8 | 1823.0 | 1912.4 | 1888.1 |
| 22.5° | 2046.2 | 2067.0 | 2118.6 | 2019.7 | 1781.4 | 1629.7 | 1621.9 | 1670.5 | 1884.5 | 2097.8 | 2105.7 |
| 25° | 2336.9 | 2372.0 | 2396.9 | 2270.3 | 1885.9 | 1689.1 | 1651.9 | 1735.7 | 1967.5 | 2299.0 | 2382.6 |
| 27.5° | 2529.4 | 2565.9 | 2560.2 | 2379.1 | 1956.1 | 1704.9 | 1673.3 | 1751.4 | 2039.8 | 2346.9 | 2527.2 |
| 30° | 2679.7 | 2701.9 | 2741.9 | 2437.8 | 2026.2 | 1749.3 | 1695.5 | 1818.0 | 2063.5 | 2429.9 | 2701.9 |
| 32.5° | 2855.0 | 2870.1 | 2872.9 | 2541.6 | 2134.3 | 1805.0 | 1764.2 | 1901.0 | 2167.9 | 2509.4 | 2856.5 |
| 35° | 3031.8 | 3054.0 | 3007.5 | 2669.7 | 2200.9 | 1908.8 | 1878.8 | 2044.8 | 2251.7 | 2591.6 | 3026.8 |
| 37.5° | 3223.6 | 3235.1 | 3127.8 | 2722.7 | 2296.0 | 2077.8 | 2061.3 | 2200.1 | 2396.9 | 2740.5 | 3215.7 |
| 40° | 3384.7 | 3395.5 | 3255.8 | 2787.7 | 2396.3 | 2313.9 | 2356.1 | 2496.4 | 2594.5 | 2837.1 | 3310.3 |
| 42.5° | 3474.2 | 3499.2 | 3298.8 | 2752.0 | 2597.3 | 2581.6 | 2769.2 | 2818.5 | 2823.6 | 2864.4 | 3394.7 |
| 45° | 3498.5 | 3487.0 | 3227.9 | 2781.4 | 2773.4 | 3021.8 | 3192.2 | 3257.3 | 3051.1 | 2914.4 | 3416.1 |
| 47.5° | 3386.1 | 3401.2 | 3123.5 | 2755.5 | 3004.6 | 3355.3 | 3575.8 | 3696.7 | 3220.8 | 2870.8 | 3363.2 |
| 50° | 3295.2 | 3275.9 | 3089.8 | 2737.0 | 3066.9 | 3512.8 | 3852.8 | 3880.0 | 3376.8 | 2924.5 | 3305.2 |
| 52.5° | 3313.1 | 3325.2 | 3143.5 | 2786.3 | 3068.3 | 3522.1 | 3895.7 | 3877.1 | 3381.8 | 2912.3 | 3284.4 |
| 55° | 3351.0 | 3297.4 | 3120.5 | 2677.6 | 2862.9 | 3262.3 | 3457.7 | 3429.0 | 3121.3 | 2782.8 | 3233.6 |
| 57.5° | 2891.5 | 2974.5 | 2869.3 | 2390.5 | 2349.8 | 2457.8 | 2454.2 | 2542.3 | 2328.2 | 2394.8 | 2943.8 |
| 60° | 2346.9 | 2361.2 | 2400.6 | 2044.8 | 1626.2 | 1588.9 | 1537.3 | 1481.6 | 1566.7 | 2047.7 | 2677.6 |
| 62.5° | 2064.2 | 2047.0 | 2187.3 | 1860.2 | 1148.0 | 961.3 | 952.6 | 987.0 | 1208.9 | 1953.2 | 2511.5 |
| 65° | 1500.2 | 1521.6 | 1623.3 | 1443.7 | 861.8 | 733.6 | 720.7 | 822.3 | 978.4 | 1565.3 | 1916.7 |
| 67.5° | 916.1 | 957.6 | 967.0 | 890.4 | 584.7 | 464.5 | 445.9 | 538.2 | 706.4 | 1012.7 | 1123.7 |
| 70° | 423.0 | 473.1 | 520.3 | 486.0 | 338.5 | 191.1 | 180.4 | 226.1 | 356.4 | 582.6 | 596.2 |
| 72.5° | 128.1 | 128.8 | 180.4 | 188.2 | 109.5 | 43.0 | 37.9 | 50.1 | 120.9 | 192.5 | 202.5 |
| 75° | 9.3 | 10.0 | 24.3 | 27.9 | 20.8 | 10.8 | 11.4 | 13.6 | 25.7 | 43.0 | 32.2 |
| 77.5° | 0.8 | 0.8 | 0.8 | 3.6 | 6.5 | 7.1 | 9.3 | 10.8 | 13.6 | 15.7 | 14.3 |
| 80° | 0.8 | 0.0 | 0.8 | 2.9 | 5.0 | 7.1 | 8.6 | 10.0 | 10.8 | 12.2 | 10.8 |
| 82.5° | 0.0 | 0.0 | 0.0 | 2.2 | 5.0 | 7.1 | 7.9 | 10.8 | 12.2 | 14.3 | 12.2 |
| 85° | 0.0 | 0.0 | 0.0 | 2.2 | 5.0 | 7.9 | 7.1 | 3.6 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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-SA1D-840-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 |
| 2.5° | 1951.0 | 1923.2 | 1859.5 | 1827.2 | 1751.4 | 1740.6 | 1666.2 | 1654.1 | 1629.0 | 1615.4 | 1582.5 |
| 5° | 1785.0 | 1751.4 | 1647.6 | 1560.3 | 1458.6 | 1387.8 | 1333.4 | 1284.0 | 1255.4 | 1228.9 | 1241.1 |
| 7.5° | 1649.8 | 1551.7 | 1436.4 | 1290.4 | 1173.1 | 1097.2 | 1014.2 | 946.2 | 906.1 | 878.9 | 885.3 |
| 10° | 1508.0 | 1444.3 | 1284.0 | 1120.1 | 978.4 | 924.7 | 859.6 | 807.4 | 750.8 | 702.2 | 679.2 |
| 12.5° | 1463.7 | 1369.1 | 1168.1 | 1001.3 | 894.0 | 841.7 | 767.2 | 707.1 | 634.9 | 575.4 | 554.7 |
| 15° | 1471.5 | 1380.7 | 1136.6 | 958.3 | 831.7 | 741.5 | 652.8 | 578.3 | 498.9 | 457.3 | 435.9 |
| 17.5° | 1599.7 | 1442.2 | 1157.3 | 913.2 | 745.0 | 619.8 | 510.3 | 415.9 | 356.4 | 313.5 | 304.2 |
| 20° | 1757.1 | 1575.3 | 1201.7 | 880.4 | 674.2 | 493.2 | 372.9 | 291.3 | 242.0 | 234.7 | 232.6 |
| 22.5° | 1987.5 | 1792.9 | 1296.9 | 858.2 | 587.6 | 384.3 | 255.5 | 211.8 | 198.2 | 196.8 | 197.6 |
| 25° | 2309.6 | 2065.6 | 1400.7 | 839.6 | 522.5 | 296.3 | 209.0 | 179.6 | 175.3 | 173.2 | 176.8 |
| 27.5° | 2449.2 | 2230.2 | 1455.8 | 799.5 | 463.1 | 266.9 | 206.1 | 178.2 | 166.0 | 162.5 | 164.6 |
| 30° | 2621.7 | 2339.7 | 1542.4 | 730.7 | 375.8 | 219.8 | 192.5 | 193.9 | 188.2 | 170.3 | 164.6 |
| 32.5° | 2850.7 | 2476.4 | 1586.0 | 682.1 | 335.6 | 181.8 | 141.0 | 129.5 | 144.6 | 147.4 | 152.5 |
| 35° | 2997.5 | 2615.3 | 1608.2 | 653.5 | 315.0 | 155.3 | 119.5 | 108.8 | 105.2 | 106.0 | 108.8 |
| 37.5° | 3270.1 | 2802.8 | 1636.2 | 623.4 | 299.1 | 135.2 | 108.1 | 98.1 | 93.0 | 93.0 | 95.9 |
| 40° | 3433.4 | 2951.7 | 1674.1 | 606.9 | 283.4 | 123.1 | 98.1 | 89.5 | 85.2 | 85.2 | 86.6 |
| 42.5° | 3474.2 | 3025.4 | 1661.2 | 601.2 | 265.5 | 120.3 | 89.5 | 83.0 | 78.0 | 77.3 | 76.6 |
| 45° | 3547.2 | 3137.8 | 1663.3 | 594.8 | 246.9 | 109.5 | 84.4 | 77.3 | 70.1 | 69.5 | 68.7 |
| 47.5° | 3627.3 | 3218.6 | 1667.6 | 569.7 | 229.0 | 91.6 | 88.1 | 71.6 | 63.0 | 61.6 | 61.6 |
| 50° | 3558.6 | 3283.0 | 1704.9 | 544.6 | 206.1 | 74.4 | 86.6 | 67.3 | 55.8 | 53.7 | 54.4 |
| 52.5° | 3567.2 | 3358.9 | 1783.6 | 509.6 | 177.5 | 59.4 | 70.1 | 63.7 | 50.8 | 47.3 | 47.9 |
| 55° | 3429.8 | 3278.7 | 1794.4 | 472.4 | 138.8 | 45.8 | 53.7 | 55.8 | 43.0 | 41.5 | 41.5 |
| 57.5° | 2952.4 | 2776.3 | 1583.2 | 382.9 | 91.6 | 37.9 | 38.7 | 48.7 | 37.3 | 35.8 | 36.5 |
| 60° | 2526.5 | 2228.7 | 1274.0 | 252.6 | 57.3 | 30.0 | 27.9 | 49.4 | 32.9 | 32.2 | 34.4 |
| 62.5° | 2303.2 | 1831.5 | 966.2 | 156.8 | 39.4 | 22.9 | 19.3 | 40.1 | 28.6 | 28.6 | 31.5 |
| 65° | 1664.1 | 1230.3 | 561.9 | 82.3 | 27.9 | 17.9 | 14.3 | 22.9 | 23.6 | 24.3 | 25.7 |
| 67.5° | 1030.6 | 621.2 | 236.9 | 40.1 | 18.6 | 12.2 | 9.3 | 14.3 | 15.7 | 15.7 | 17.2 |
| 70° | 508.9 | 247.7 | 78.7 | 22.9 | 14.3 | 10.0 | 6.5 | 7.9 | 7.9 | 7.1 | 7.9 |
| 72.5° | 157.4 | 74.4 | 20.0 | 14.3 | 10.0 | 6.5 | 3.6 | 2.9 | 1.4 | 0.0 | 0.8 |
| 75° | 17.9 | 14.3 | 12.9 | 10.0 | 6.5 | 2.9 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 10.8 | 12.2 | 12.2 | 10.0 | 6.5 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 8.6 | 9.3 | 10.0 | 9.3 | 5.7 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 10.8 | 12.2 | 13.6 | 12.2 | 7.9 | 3.6 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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-SA1D-840-U-SLL-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 | 1845.2 |
| 2.5° | 1568.9 | 1553.2 | 1575.3 | 1542.4 | 1541.6 | 1542.4 | 1533.1 | 1524.5 | 1538.1 | 1574.6 | 1578.2 |
| 5° | 1197.4 | 1231.1 | 1241.8 | 1276.9 | 1257.5 | 1228.9 | 1234.7 | 1215.3 | 1262.5 | 1283.3 | 1266.8 |
| 7.5° | 871.8 | 869.6 | 941.9 | 946.2 | 955.5 | 956.2 | 954.8 | 916.9 | 878.2 | 886.8 | 912.6 |
| 10° | 676.3 | 639.8 | 674.9 | 671.4 | 694.2 | 687.9 | 697.1 | 656.3 | 669.9 | 669.9 | 686.4 |
| 12.5° | 551.1 | 512.4 | 506.0 | 496.7 | 506.0 | 509.6 | 513.2 | 505.3 | 528.2 | 538.9 | 550.4 |
| 15° | 420.8 | 399.4 | 393.7 | 375.8 | 378.6 | 388.6 | 397.2 | 400.8 | 393.7 | 410.1 | 411.6 |
| 17.5° | 305.6 | 304.9 | 308.5 | 307.7 | 304.9 | 302.8 | 302.0 | 292.8 | 289.9 | 291.3 | 297.0 |
| 20° | 231.9 | 237.6 | 249.8 | 262.0 | 268.4 | 260.5 | 249.8 | 234.1 | 227.6 | 229.0 | 229.8 |
| 22.5° | 198.2 | 206.9 | 223.3 | 236.9 | 243.4 | 229.0 | 209.7 | 196.1 | 193.3 | 192.5 | 191.8 |
| 25° | 179.6 | 189.6 | 201.8 | 206.1 | 205.4 | 196.8 | 182.5 | 176.8 | 175.3 | 173.9 | 167.4 |
| 27.5° | 169.6 | 173.2 | 175.3 | 180.4 | 182.5 | 176.8 | 173.2 | 164.6 | 163.2 | 163.2 | 158.9 |
| 30° | 163.9 | 161.7 | 164.6 | 161.1 | 163.9 | 159.6 | 160.3 | 160.3 | 156.8 | 158.2 | 158.2 |
| 32.5° | 152.5 | 153.1 | 153.1 | 146.0 | 148.2 | 143.1 | 148.2 | 152.5 | 153.1 | 153.9 | 159.6 |
| 35° | 111.7 | 124.6 | 130.9 | 130.9 | 133.1 | 129.5 | 128.8 | 123.8 | 117.4 | 110.9 | 108.1 |
| 37.5° | 98.1 | 103.1 | 111.7 | 116.6 | 120.3 | 117.4 | 110.9 | 103.1 | 99.5 | 96.6 | 93.8 |
| 40° | 87.3 | 91.6 | 97.3 | 103.1 | 110.3 | 106.6 | 96.6 | 93.0 | 88.7 | 88.7 | 85.9 |
| 42.5° | 78.7 | 80.9 | 84.4 | 93.0 | 100.9 | 93.8 | 86.6 | 83.8 | 81.6 | 80.9 | 80.1 |
| 45° | 70.9 | 71.6 | 75.2 | 82.3 | 91.6 | 84.4 | 77.3 | 73.8 | 74.4 | 75.2 | 74.4 |
| 47.5° | 63.7 | 65.1 | 67.3 | 75.9 | 81.6 | 78.0 | 70.1 | 68.0 | 68.0 | 68.0 | 68.7 |
| 50° | 55.1 | 58.7 | 63.0 | 70.1 | 74.4 | 72.3 | 65.9 | 63.0 | 61.6 | 61.6 | 62.2 |
| 52.5° | 49.4 | 52.2 | 57.9 | 66.5 | 72.3 | 68.7 | 62.2 | 57.9 | 55.1 | 54.4 | 55.8 |
| 55° | 43.0 | 47.9 | 57.3 | 63.7 | 71.6 | 68.0 | 60.8 | 55.8 | 50.8 | 50.1 | 50.1 |
| 57.5° | 38.7 | 46.5 | 55.1 | 63.0 | 69.5 | 66.5 | 60.8 | 54.4 | 47.9 | 47.3 | 47.3 |
| 60° | 36.5 | 45.1 | 53.7 | 60.8 | 69.5 | 65.1 | 60.1 | 53.0 | 45.8 | 45.8 | 45.1 |
| 62.5° | 34.4 | 42.2 | 50.8 | 57.9 | 66.5 | 63.0 | 57.9 | 50.8 | 43.6 | 43.6 | 42.2 |
| 65° | 28.6 | 36.5 | 42.2 | 48.7 | 57.9 | 54.4 | 49.4 | 44.4 | 38.7 | 37.3 | 37.9 |
| 67.5° | 20.0 | 25.1 | 30.8 | 37.3 | 43.0 | 41.5 | 39.4 | 35.8 | 30.8 | 30.0 | 29.4 |
| 70° | 10.0 | 13.6 | 18.6 | 25.1 | 30.0 | 28.6 | 27.2 | 24.3 | 21.4 | 20.8 | 20.8 |
| 72.5° | 1.4 | 4.3 | 7.9 | 11.4 | 15.7 | 16.5 | 15.7 | 15.1 | 14.3 | 13.6 | 14.3 |
| 75° | 0.0 | 0.0 | 0.0 | 2.9 | 6.5 | 7.9 | 9.3 | 10.8 | 10.8 | 9.3 | 11.4 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 3.6 | 7.1 | 9.3 | 11.4 | 10.0 | 13.6 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 4.3 | 7.1 | 10.0 | 11.4 | 10.0 | 14.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 5.0 | 7.1 | 9.3 | 10.8 | 10.0 | 12.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 2.2 | 4.3 | 2.9 | 1.4 | 0.8 | 0.8 | 2.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 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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| 2.5° | 1598.2 | 1649.0 | 1703.4 | 1724.2 | 1788.6 | 1837.2 | 1870.2 | 1941.0 | 1951.8 | 1952.5 |
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| 17.5° | 335.6 | 402.3 | 489.5 | 586.9 | 715.7 | 885.3 | 1134.4 | 1466.5 | 1584.6 | 1609.7 |
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| 22.5° | 191.1 | 206.9 | 252.0 | 352.1 | 524.6 | 772.3 | 1203.9 | 1777.1 | 1984.0 | 2046.2 |
| 25° | 166.0 | 174.7 | 196.1 | 277.7 | 461.0 | 766.6 | 1301.2 | 2021.9 | 2291.7 | 2336.9 |
| 27.5° | 160.3 | 161.7 | 180.4 | 254.8 | 426.6 | 728.6 | 1338.5 | 2195.9 | 2483.6 | 2529.4 |
| 30° | 168.9 | 191.8 | 193.3 | 215.5 | 362.9 | 653.5 | 1357.7 | 2364.1 | 2646.0 | 2679.7 |
| 32.5° | 146.0 | 138.8 | 143.9 | 166.8 | 319.2 | 609.8 | 1394.2 | 2510.8 | 2831.4 | 2855.0 |
| 35° | 101.6 | 106.6 | 118.1 | 144.6 | 279.1 | 564.0 | 1403.5 | 2672.5 | 3007.5 | 3031.8 |
| 37.5° | 93.8 | 96.6 | 106.0 | 123.1 | 245.5 | 538.2 | 1390.7 | 2790.6 | 3190.0 | 3223.6 |
| 40° | 87.3 | 90.9 | 95.9 | 111.7 | 220.4 | 509.6 | 1372.8 | 2897.2 | 3301.7 | 3384.7 |
| 42.5° | 82.3 | 85.2 | 89.5 | 106.6 | 199.0 | 481.0 | 1347.7 | 3047.5 | 3401.8 | 3474.2 |
| 45° | 76.6 | 80.9 | 85.9 | 103.8 | 186.8 | 461.6 | 1329.1 | 3038.3 | 3459.8 | 3498.5 |
| 47.5° | 70.9 | 78.0 | 83.8 | 96.6 | 183.3 | 452.4 | 1336.9 | 3003.2 | 3412.6 | 3386.1 |
| 50° | 65.1 | 74.4 | 84.4 | 80.1 | 174.7 | 433.7 | 1346.3 | 3051.1 | 3300.3 | 3295.2 |
| 52.5° | 60.1 | 70.9 | 78.7 | 65.9 | 155.3 | 415.9 | 1436.4 | 3114.1 | 3379.6 | 3313.1 |
| 55° | 53.0 | 63.7 | 63.0 | 53.0 | 126.0 | 402.3 | 1507.3 | 3115.6 | 3326.0 | 3351.0 |
| 57.5° | 47.9 | 56.5 | 49.4 | 44.4 | 93.0 | 336.4 | 1392.1 | 2612.4 | 2847.2 | 2891.5 |
| 60° | 44.4 | 55.1 | 37.3 | 35.1 | 60.8 | 242.6 | 1215.3 | 2023.4 | 2263.1 | 2346.9 |
| 62.5° | 40.8 | 52.2 | 29.4 | 28.6 | 42.2 | 172.5 | 999.2 | 1693.4 | 1950.4 | 2064.2 |
| 65° | 35.8 | 37.3 | 23.6 | 22.2 | 30.0 | 93.0 | 608.4 | 1165.9 | 1458.0 | 1500.2 |
| 67.5° | 29.4 | 28.6 | 19.3 | 17.9 | 20.0 | 45.1 | 268.4 | 584.1 | 845.3 | 916.1 |
| 70° | 23.6 | 23.6 | 16.5 | 14.3 | 14.3 | 20.8 | 70.1 | 232.6 | 382.2 | 423.0 |
| 72.5° | 17.2 | 17.9 | 12.9 | 11.4 | 10.8 | 10.0 | 11.4 | 46.5 | 100.2 | 128.1 |
| 75° | 15.1 | 15.7 | 12.9 | 10.0 | 7.9 | 6.5 | 5.0 | 4.3 | 5.7 | 9.3 |
| 77.5° | 16.5 | 16.5 | 13.6 | 9.3 | 7.1 | 5.0 | 2.9 | 1.4 | 1.4 | 0.8 |
| 80° | 20.8 | 21.4 | 17.9 | 12.2 | 8.6 | 5.7 | 3.6 | 1.4 | 0.8 | 0.8 |
| 82.5° | 22.2 | 24.3 | 20.0 | 15.1 | 10.8 | 6.5 | 3.6 | 0.8 | 0.0 | 0.0 |
| 85° | 5.7 | 9.3 | 15.7 | 13.6 | 10.8 | 6.5 | 3.6 | 0.8 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.8 | 2.2 | 2.2 | 2.9 | 2.9 | 2.2 | 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 |

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