

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: McGRAW-EDISON

Report Number: P320485

Luminaire Tested: **GLEON-SA1C-830-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320485  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA1C-830-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 80 CRI, 3000K, 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: 5173 lumens  
Efficiency: N/A  
Efficacy: 87.7 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

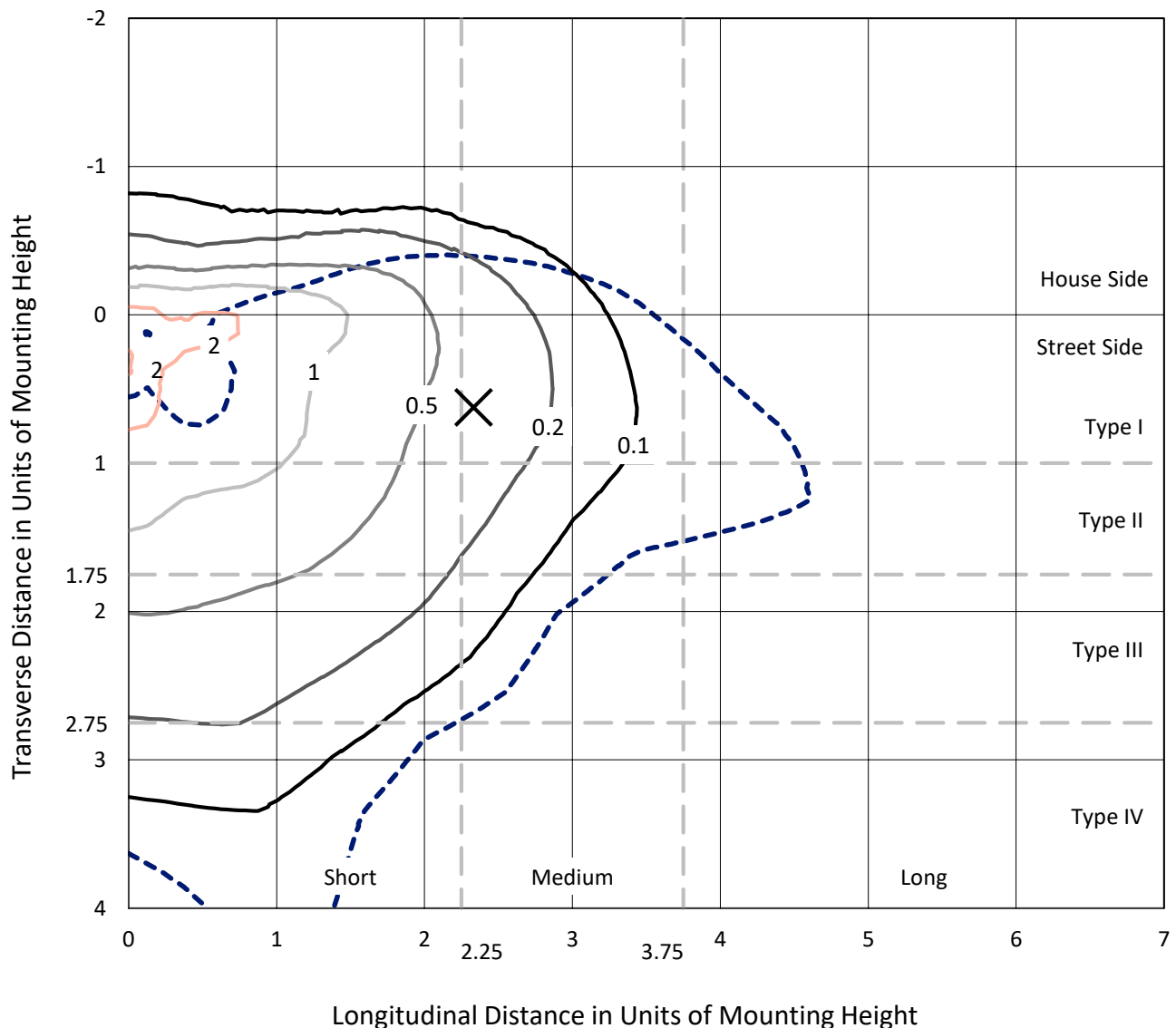
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

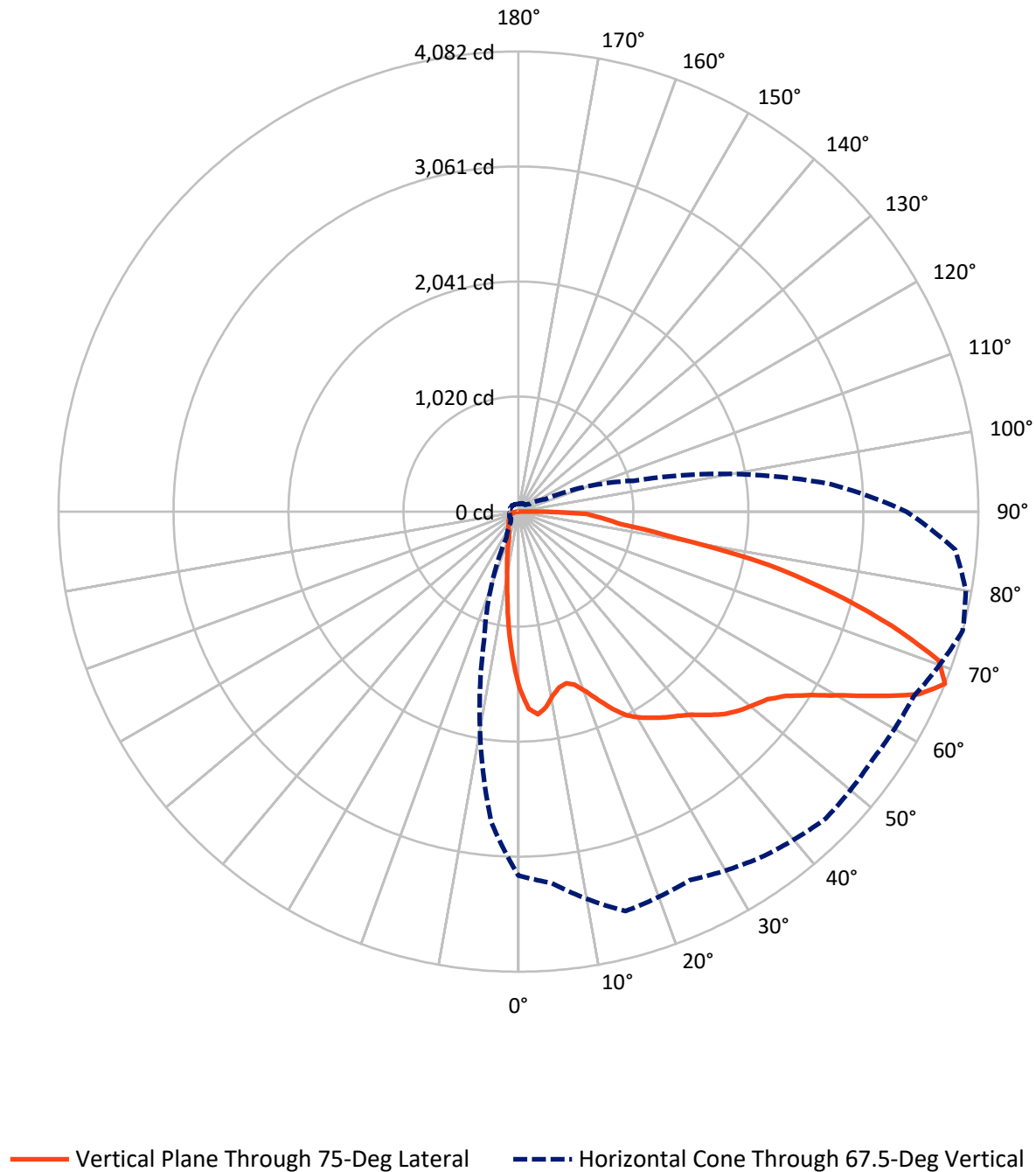
✕ Max cd  
 - - - 1/2 Max cd



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



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 911.1    | 0.0    | 911.1  |
|                    | % Fixture | 17.6     | 0.0    | 17.6   |
| <b>Street Side</b> | Lumens    | 4261.9   | 0.0    | 4261.9 |
|                    | % Fixture | 82.4     | 0.0    | 82.4   |
| <b>Total</b>       | Lumens    | 5173.0   | 0.0    | 5173.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 121.6  | 2.4       |
| 10°-20°   | 252.7  | 4.9       |
| 20°-30°   | 359.4  | 6.9       |
| 30°-40°   | 517.8  | 10.0      |
| 40°-50°   | 729.8  | 14.1      |
| 50°-60°   | 1014.5 | 19.6      |
| 60°-70°   | 1226.8 | 23.7      |
| 70°-80°   | 754.1  | 14.6      |
| 80°-90°   | 196.2  | 3.8       |
| 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°    | 5173.0 | 100.0     |
| 0°-180°   | 5173.0 | 100.0     |

**Coefficient of Utilization**



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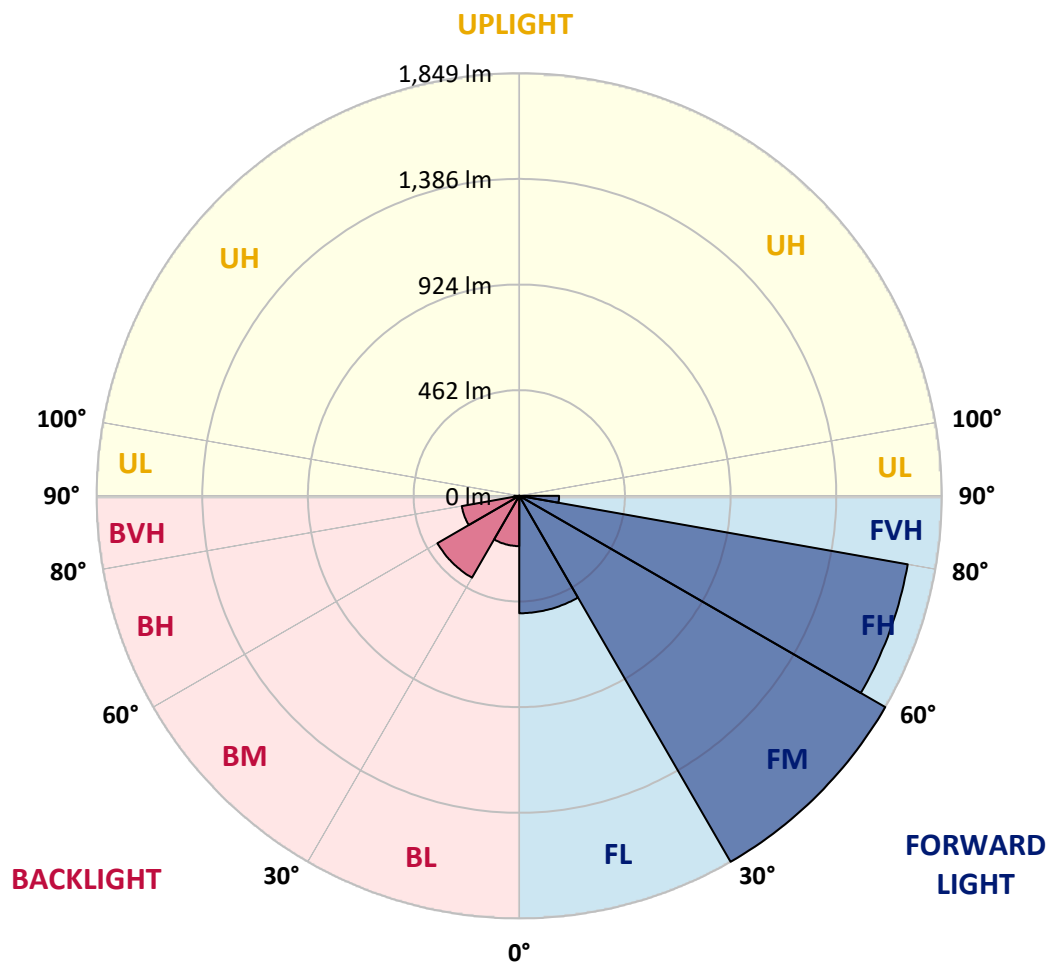
CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 513.6  | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 1848.6 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 1725.5 | 33.4      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 174.2  | 3.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 220.0  | 4.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 413.6  | 8.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 255.4  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 22.0   | 0.4       |                         |      | 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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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1679.8 | 1701.9 | 1717.2 | 1732.3 | 1744.1 | 1755.7 | 1772.7 | 1789.6 | 1792.9 | 1796.0 | 1789.4 |
| 5°     | 1669.9 | 1723.9 | 1769.8 | 1815.5 | 1857.9 | 1900.3 | 1925.7 | 1951.2 | 1956.3 | 1961.5 | 1945.6 |
| 7.5°   | 1562.9 | 1642.6 | 1722.2 | 1801.8 | 1874.8 | 1947.8 | 1992.3 | 2036.6 | 2046.7 | 2056.6 | 2030.6 |
| 10°    | 1441.3 | 1534.0 | 1631.8 | 1729.6 | 1825.8 | 1922.0 | 1986.3 | 2050.6 | 2063.5 | 2076.3 | 2043.8 |
| 12.5°  | 1348.9 | 1450.0 | 1554.5 | 1658.9 | 1760.5 | 1861.8 | 1928.4 | 1995.0 | 2010.9 | 2026.8 | 2003.3 |
| 15°    | 1313.3 | 1424.2 | 1522.4 | 1620.7 | 1709.2 | 1797.5 | 1852.1 | 1906.5 | 1913.1 | 1919.5 | 1915.8 |
| 17.5°  | 1348.9 | 1471.1 | 1560.1 | 1648.8 | 1697.0 | 1745.0 | 1766.9 | 1788.6 | 1795.8 | 1802.9 | 1812.4 |
| 20°    | 1452.9 | 1584.9 | 1647.5 | 1710.0 | 1707.9 | 1705.7 | 1695.1 | 1684.4 | 1682.5 | 1680.6 | 1707.5 |
| 22.5°  | 1601.4 | 1754.7 | 1779.7 | 1804.5 | 1746.4 | 1688.3 | 1652.9 | 1617.3 | 1610.3 | 1603.1 | 1631.6 |
| 25°    | 1775.8 | 1939.0 | 1934.4 | 1929.6 | 1819.0 | 1708.1 | 1640.7 | 1573.3 | 1565.4 | 1557.6 | 1582.0 |
| 27.5°  | 1965.4 | 2121.4 | 2091.6 | 2061.8 | 1911.4 | 1761.1 | 1663.3 | 1565.4 | 1557.6 | 1549.7 | 1571.2 |
| 30°    | 2113.7 | 2255.2 | 2207.4 | 2159.6 | 1989.4 | 1819.2 | 1703.0 | 1586.7 | 1573.9 | 1560.9 | 1587.4 |
| 32.5°  | 2239.3 | 2359.6 | 2295.5 | 2231.4 | 2052.7 | 1874.0 | 1748.3 | 1622.5 | 1602.5 | 1582.4 | 1617.8 |
| 35°    | 2370.0 | 2463.9 | 2373.7 | 2283.3 | 2109.2 | 1934.8 | 1801.8 | 1668.6 | 1644.0 | 1619.4 | 1668.0 |
| 37.5°  | 2517.0 | 2595.0 | 2465.5 | 2335.8 | 2172.7 | 2009.5 | 1882.1 | 1754.5 | 1729.2 | 1704.0 | 1766.0 |
| 40°    | 2672.3 | 2737.3 | 2564.6 | 2391.9 | 2242.2 | 2092.4 | 1993.1 | 1893.7 | 1869.7 | 1845.5 | 1920.7 |
| 42.5°  | 2808.2 | 2855.6 | 2656.8 | 2458.1 | 2325.9 | 2193.5 | 2123.6 | 2053.5 | 2053.3 | 2052.9 | 2129.2 |
| 45°    | 2910.6 | 2951.8 | 2733.8 | 2515.6 | 2407.6 | 2299.4 | 2263.0 | 2226.6 | 2255.8 | 2285.0 | 2354.0 |
| 47.5°  | 2995.6 | 3023.5 | 2798.3 | 2572.9 | 2501.1 | 2429.3 | 2434.7 | 2440.1 | 2499.4 | 2558.8 | 2603.3 |
| 50°    | 3092.8 | 3070.3 | 2856.8 | 2643.2 | 2621.0 | 2598.9 | 2647.3 | 2695.5 | 2763.8 | 2831.8 | 2862.0 |
| 52.5°  | 3198.1 | 3138.3 | 2936.2 | 2734.0 | 2758.8 | 2783.6 | 2882.1 | 2980.5 | 3049.4 | 3118.2 | 3129.6 |
| 55°    | 3387.3 | 3295.7 | 3082.3 | 2868.6 | 2916.4 | 2964.0 | 3108.5 | 3252.9 | 3306.7 | 3360.4 | 3364.6 |
| 57.5°  | 3600.6 | 3519.3 | 3286.8 | 3054.3 | 3105.6 | 3156.9 | 3323.8 | 3490.5 | 3548.6 | 3606.6 | 3598.5 |
| 60°    | 3682.7 | 3686.6 | 3481.0 | 3275.2 | 3326.9 | 3378.6 | 3541.2 | 3703.8 | 3770.6 | 3837.2 | 3819.4 |
| 62.5°  | 3599.9 | 3696.9 | 3587.1 | 3477.1 | 3524.0 | 3570.8 | 3730.0 | 3889.3 | 3957.7 | 4026.2 | 3995.2 |
| 65°    | 3436.3 | 3532.5 | 3581.7 | 3631.0 | 3646.5 | 3662.0 | 3810.7 | 3959.2 | 4011.7 | 4064.0 | 4048.3 |
| 67.5°  | 3228.3 | 3306.0 | 3487.6 | 3669.0 | 3637.8 | 3606.6 | 3676.2 | 3745.9 | 3799.9 | 3853.9 | 3845.0 |
| 70°    | 2987.3 | 3080.0 | 3322.2 | 3564.4 | 3410.9 | 3257.2 | 3228.5 | 3199.7 | 3258.1 | 3316.2 | 3280.2 |
| 72.5°  | 2555.3 | 2695.1 | 2953.4 | 3211.5 | 2928.8 | 2646.1 | 2547.8 | 2449.6 | 2523.4 | 2597.3 | 2540.0 |
| 75°    | 1930.1 | 2115.6 | 2401.0 | 2686.2 | 2348.9 | 2011.5 | 1880.4 | 1749.3 | 1812.8 | 1876.3 | 1837.0 |
| 77.5°  | 1342.3 | 1574.9 | 1856.0 | 2137.1 | 1794.2 | 1451.1 | 1353.6 | 1256.0 | 1275.1 | 1293.9 | 1287.3 |
| 80°    | 915.2  | 1068.2 | 1264.3 | 1460.2 | 1231.8 | 1003.5 | 1011.1 | 1018.6 | 1009.7 | 1000.6 | 1013.8 |
| 82.5°  | 573.9  | 681.7  | 833.1  | 984.3  | 863.1  | 741.9  | 811.4  | 880.9  | 846.7  | 812.4  | 825.2  |
| 85°    | 323.3  | 389.0  | 537.1  | 685.0  | 638.5  | 591.7  | 632.5  | 673.0  | 620.1  | 567.1  | 590.5  |
| 87.5°  | 61.6   | 102.6  | 297.2  | 491.6  | 446.3  | 401.0  | 348.5  | 296.0  | 225.8  | 155.7  | 227.5  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 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: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180°   | 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):**

|        | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1782.8 | 1779.3 | 1775.8 | 1763.2 | 1750.3 | 1731.3 | 1715.6 | 1688.3 | 1673.4 | 1650.8 | 1628.3 |
| 5°     | 1929.4 | 1907.1 | 1884.8 | 1846.3 | 1807.6 | 1764.6 | 1715.2 | 1660.4 | 1619.0 | 1565.2 | 1511.5 |
| 7.5°   | 2004.5 | 1952.4 | 1900.1 | 1826.2 | 1752.2 | 1685.6 | 1607.4 | 1534.6 | 1472.6 | 1402.7 | 1332.8 |
| 10°    | 2011.3 | 1933.2 | 1854.8 | 1758.8 | 1662.6 | 1581.8 | 1491.8 | 1410.9 | 1336.5 | 1256.2 | 1175.8 |
| 12.5°  | 1979.5 | 1896.3 | 1813.0 | 1707.3 | 1601.4 | 1509.6 | 1412.8 | 1322.2 | 1239.7 | 1151.4 | 1062.9 |
| 15°    | 1912.1 | 1845.7 | 1779.1 | 1680.0 | 1580.9 | 1488.3 | 1394.4 | 1287.0 | 1193.8 | 1103.4 | 1012.8 |
| 17.5°  | 1821.7 | 1790.2 | 1758.6 | 1687.0 | 1615.3 | 1535.0 | 1444.0 | 1318.1 | 1208.9 | 1110.6 | 1012.4 |
| 20°    | 1734.2 | 1745.8 | 1757.2 | 1728.6 | 1700.1 | 1635.8 | 1556.3 | 1414.9 | 1275.5 | 1147.0 | 1018.4 |
| 22.5°  | 1659.9 | 1715.6 | 1771.0 | 1793.1 | 1815.1 | 1776.4 | 1714.3 | 1550.7 | 1366.3 | 1198.5 | 1030.8 |
| 25°    | 1606.2 | 1698.4 | 1790.7 | 1864.3 | 1937.7 | 1920.5 | 1872.8 | 1715.8 | 1486.6 | 1272.8 | 1058.7 |
| 27.5°  | 1592.7 | 1705.9 | 1819.0 | 1933.2 | 2047.1 | 2063.0 | 2049.8 | 1889.7 | 1630.2 | 1365.0 | 1099.7 |
| 30°    | 1613.8 | 1728.4 | 1842.8 | 1981.8 | 2120.5 | 2184.0 | 2201.8 | 2034.7 | 1794.2 | 1472.6 | 1150.8 |
| 32.5°  | 1653.1 | 1765.4 | 1877.7 | 2029.1 | 2180.3 | 2276.3 | 2332.9 | 2167.3 | 1908.5 | 1553.6 | 1198.5 |
| 35°    | 1716.6 | 1821.7 | 1926.7 | 2084.3 | 2241.9 | 2366.0 | 2469.4 | 2304.2 | 2010.1 | 1610.3 | 1210.3 |
| 37.5°  | 1827.9 | 1918.3 | 2008.6 | 2154.3 | 2299.6 | 2460.6 | 2615.9 | 2455.0 | 2119.9 | 1664.9 | 1209.7 |
| 40°    | 1996.0 | 2059.9 | 2123.6 | 2246.7 | 2369.6 | 2572.0 | 2781.7 | 2623.1 | 2241.3 | 1724.1 | 1206.8 |
| 42.5°  | 2205.5 | 2238.4 | 2271.1 | 2368.5 | 2465.9 | 2688.5 | 2932.3 | 2787.5 | 2357.1 | 1779.1 | 1201.0 |
| 45°    | 2422.9 | 2431.6 | 2440.3 | 2501.7 | 2562.9 | 2780.7 | 3034.9 | 2911.0 | 2458.3 | 1826.9 | 1195.2 |
| 47.5°  | 2647.5 | 2617.7 | 2588.0 | 2612.4 | 2636.8 | 2851.4 | 3108.1 | 3004.7 | 2559.8 | 1879.8 | 1199.6 |
| 50°    | 2892.2 | 2809.3 | 2726.3 | 2713.5 | 2700.7 | 2922.2 | 3194.4 | 3123.8 | 2681.9 | 1956.9 | 1232.0 |
| 52.5°  | 3140.8 | 3004.1 | 2867.4 | 2816.7 | 2765.8 | 3006.6 | 3308.7 | 3272.1 | 2856.0 | 2076.5 | 1296.8 |
| 55°    | 3368.7 | 3194.8 | 3020.8 | 2952.6 | 2884.3 | 3135.6 | 3448.3 | 3489.9 | 3079.2 | 2229.3 | 1379.3 |
| 57.5°  | 3590.2 | 3393.1 | 3196.0 | 3132.7 | 3069.4 | 3325.3 | 3625.2 | 3685.3 | 3304.6 | 2376.0 | 1447.1 |
| 60°    | 3801.6 | 3606.6 | 3411.3 | 3360.6 | 3309.8 | 3561.1 | 3816.3 | 3772.4 | 3420.8 | 2444.6 | 1468.2 |
| 62.5°  | 3964.1 | 3809.0 | 3653.9 | 3627.2 | 3600.3 | 3799.5 | 3963.1 | 3738.5 | 3347.0 | 2377.0 | 1407.0 |
| 65°    | 4032.6 | 3944.3 | 3855.8 | 3880.8 | 3905.6 | 3979.9 | 3999.7 | 3639.2 | 3114.9 | 2187.5 | 1260.2 |
| 67.5°  | 3835.9 | 3853.9 | 3871.9 | 3977.0 | 4081.8 | 4030.7 | 3890.9 | 3443.6 | 2784.6 | 1919.1 | 1053.5 |
| 70°    | 3244.0 | 3352.0 | 3459.7 | 3708.3 | 3956.7 | 3843.4 | 3599.5 | 3092.4 | 2387.1 | 1609.9 | 832.5  |
| 72.5°  | 2482.5 | 2603.9 | 2725.1 | 3094.0 | 3462.8 | 3358.4 | 3059.7 | 2540.0 | 1913.9 | 1285.6 | 657.1  |
| 75°    | 1797.5 | 1934.6 | 2071.5 | 2478.5 | 2885.6 | 2740.6 | 2288.7 | 1818.6 | 1453.7 | 981.4  | 508.8  |
| 77.5°  | 1280.4 | 1372.3 | 1464.1 | 1866.1 | 2268.0 | 2031.8 | 1523.4 | 1223.8 | 1006.2 | 682.1  | 357.8  |
| 80°    | 1027.1 | 998.9  | 970.8  | 1194.8 | 1418.8 | 1379.5 | 1007.6 | 785.9  | 696.4  | 457.1  | 217.8  |
| 82.5°  | 837.8  | 769.2  | 700.5  | 806.0  | 911.5  | 905.7  | 699.3  | 576.6  | 518.3  | 317.7  | 117.1  |
| 85°    | 613.6  | 586.1  | 558.6  | 651.9  | 745.2  | 665.6  | 473.6  | 366.5  | 404.1  | 233.9  | 63.7   |
| 87.5°  | 299.3  | 341.9  | 384.3  | 494.3  | 604.1  | 453.6  | 143.7  | 71.1   | 98.4   | 64.7   | 30.8   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |

REPORT NUMBER: P320485

CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1611.6 | 1594.6 | 1575.4 | 1556.1 | 1534.2 | 1512.1 | 1499.0 | 1485.8 | 1471.5 | 1457.3 | 1441.1 |
| 5°     | 1475.9 | 1440.3 | 1400.0 | 1359.6 | 1319.7 | 1279.8 | 1258.3 | 1236.8 | 1214.0 | 1191.1 | 1171.2 |
| 7.5°   | 1281.1 | 1229.1 | 1173.3 | 1117.2 | 1067.6 | 1017.8 | 987.0  | 955.9  | 927.8  | 899.5  | 875.7  |
| 10°    | 1109.6 | 1043.4 | 987.4  | 931.1  | 893.7  | 856.2  | 827.9  | 799.6  | 772.3  | 744.8  | 718.5  |
| 12.5°  | 996.7  | 930.5  | 894.9  | 859.3  | 828.3  | 797.3  | 764.6  | 731.7  | 694.3  | 656.7  | 629.2  |
| 15°    | 952.6  | 892.4  | 852.9  | 813.2  | 771.7  | 729.9  | 689.7  | 649.6  | 605.4  | 561.1  | 529.9  |
| 17.5°  | 933.6  | 854.8  | 799.6  | 744.1  | 689.3  | 634.5  | 588.0  | 541.5  | 493.1  | 444.7  | 413.0  |
| 20°    | 913.5  | 808.7  | 734.6  | 660.4  | 590.1  | 519.7  | 467.0  | 414.3  | 371.0  | 327.8  | 303.6  |
| 22.5°  | 895.3  | 759.7  | 666.8  | 573.7  | 490.6  | 407.4  | 355.7  | 303.8  | 277.3  | 250.9  | 241.2  |
| 25°    | 887.9  | 716.8  | 602.7  | 488.5  | 400.8  | 312.9  | 276.1  | 239.3  | 229.2  | 218.8  | 213.9  |
| 27.5°  | 889.1  | 678.6  | 548.7  | 418.6  | 339.6  | 260.6  | 235.4  | 210.1  | 203.9  | 197.5  | 194.4  |
| 30°    | 893.9  | 637.0  | 497.8  | 358.6  | 293.5  | 228.3  | 212.0  | 195.4  | 188.8  | 182.2  | 178.3  |
| 32.5°  | 899.3  | 599.8  | 458.5  | 317.1  | 263.9  | 210.5  | 197.1  | 183.5  | 177.0  | 170.6  | 166.7  |
| 35°    | 890.0  | 569.4  | 431.6  | 293.9  | 244.9  | 195.7  | 184.3  | 172.7  | 165.7  | 158.6  | 154.9  |
| 37.5°  | 874.2  | 538.8  | 410.7  | 282.5  | 232.5  | 182.2  | 173.9  | 165.5  | 158.2  | 150.8  | 147.3  |
| 40°    | 860.0  | 512.9  | 395.2  | 277.3  | 225.6  | 173.7  | 166.7  | 159.7  | 152.2  | 144.6  | 140.4  |
| 42.5°  | 848.4  | 495.5  | 379.9  | 264.3  | 219.4  | 174.4  | 164.4  | 154.3  | 147.0  | 139.8  | 135.3  |
| 45°    | 839.7  | 484.2  | 367.9  | 251.7  | 213.6  | 175.6  | 163.0  | 150.4  | 143.1  | 135.7  | 130.3  |
| 47.5°  | 838.9  | 478.2  | 359.5  | 240.7  | 202.7  | 164.4  | 159.3  | 154.1  | 143.5  | 132.8  | 126.6  |
| 50°    | 850.2  | 468.5  | 349.5  | 230.4  | 192.1  | 153.9  | 160.9  | 167.7  | 149.7  | 131.5  | 123.7  |
| 52.5°  | 874.0  | 451.3  | 333.8  | 216.3  | 179.3  | 142.1  | 153.0  | 163.8  | 148.3  | 132.6  | 122.4  |
| 55°    | 902.8  | 426.1  | 310.0  | 193.8  | 162.4  | 130.7  | 140.4  | 149.9  | 140.2  | 130.3  | 118.1  |
| 57.5°  | 920.8  | 394.2  | 280.0  | 165.9  | 143.3  | 120.8  | 126.4  | 131.7  | 127.8  | 123.9  | 111.5  |
| 60°    | 910.0  | 351.8  | 246.3  | 140.6  | 126.6  | 112.5  | 111.5  | 110.2  | 116.0  | 121.8  | 107.5  |
| 62.5°  | 857.5  | 308.0  | 216.5  | 125.1  | 114.6  | 103.8  | 101.5  | 99.1   | 108.6  | 117.9  | 102.8  |
| 65°    | 768.8  | 277.3  | 197.7  | 118.1  | 106.3  | 94.5   | 92.0   | 89.6   | 92.4   | 95.3   | 88.3   |
| 67.5°  | 656.0  | 258.5  | 187.0  | 115.4  | 101.1  | 86.7   | 83.8   | 80.9   | 80.2   | 79.6   | 77.1   |
| 70°    | 539.8  | 246.9  | 179.9  | 112.9  | 95.6   | 78.0   | 75.3   | 72.6   | 71.8   | 70.7   | 68.9   |
| 72.5°  | 451.3  | 245.5  | 179.1  | 112.7  | 91.0   | 69.3   | 66.8   | 64.3   | 63.3   | 62.0   | 60.6   |
| 75°    | 369.6  | 230.4  | 170.0  | 109.6  | 84.8   | 59.8   | 57.5   | 55.2   | 54.4   | 53.4   | 52.1   |
| 77.5°  | 274.2  | 190.7  | 142.9  | 95.1   | 72.6   | 50.1   | 47.8   | 45.3   | 45.1   | 44.7   | 43.6   |
| 80°    | 177.9  | 137.9  | 102.2  | 66.4   | 52.9   | 39.3   | 37.4   | 35.4   | 35.6   | 35.8   | 35.0   |
| 82.5°  | 98.9   | 80.5   | 62.5   | 44.5   | 36.2   | 27.9   | 27.1   | 26.1   | 26.7   | 27.1   | 26.1   |
| 85°    | 52.1   | 40.5   | 33.5   | 26.5   | 20.9   | 15.3   | 15.3   | 15.1   | 15.9   | 16.8   | 15.9   |
| 87.5°  | 22.5   | 14.3   | 12.2   | 9.9    | 5.6    | 1.0    | 1.2    | 1.2    | 1.7    | 2.1    | 1.9    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

REPORT NUMBER: P320485

CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1424.8 | 1409.7 | 1394.4 | 1377.6 | 1380.7 | 1367.9 | 1355.1 | 1347.0 | 1339.0 | 1336.5 | 1334.0 |
| 5°     | 1151.4 | 1134.2 | 1116.8 | 1101.3 | 1114.8 | 1105.7 | 1096.6 | 1095.3 | 1093.9 | 1093.9 | 1093.7 |
| 7.5°   | 851.9  | 833.5  | 814.9  | 802.1  | 815.3  | 813.6  | 812.0  | 820.9  | 829.8  | 837.0  | 844.0  |
| 10°    | 692.2  | 669.9  | 647.4  | 628.3  | 625.0  | 615.5  | 605.8  | 607.8  | 609.7  | 617.6  | 625.4  |
| 12.5°  | 601.6  | 575.0  | 548.3  | 525.9  | 515.8  | 500.1  | 484.2  | 474.2  | 464.3  | 465.3  | 466.2  |
| 15°    | 498.4  | 472.6  | 446.5  | 427.3  | 420.9  | 408.7  | 396.5  | 384.1  | 371.5  | 366.3  | 360.9  |
| 17.5°  | 381.2  | 360.5  | 339.6  | 326.8  | 326.8  | 323.3  | 319.7  | 313.5  | 307.1  | 302.0  | 296.6  |
| 20°    | 279.4  | 268.5  | 257.3  | 251.9  | 253.6  | 253.8  | 253.8  | 256.9  | 260.0  | 258.3  | 256.7  |
| 22.5°  | 231.2  | 227.3  | 223.4  | 221.1  | 221.9  | 222.1  | 222.3  | 225.2  | 227.9  | 230.0  | 231.8  |
| 25°    | 208.7  | 206.2  | 203.7  | 202.9  | 204.8  | 205.0  | 205.0  | 206.8  | 208.7  | 210.8  | 212.8  |
| 27.5°  | 191.1  | 190.1  | 189.0  | 187.6  | 189.4  | 189.4  | 189.2  | 191.3  | 193.2  | 195.0  | 196.7  |
| 30°    | 174.4  | 174.8  | 175.0  | 174.6  | 175.8  | 176.6  | 177.2  | 178.7  | 179.9  | 181.4  | 182.8  |
| 32.5°  | 162.6  | 161.9  | 161.3  | 160.9  | 163.6  | 165.0  | 166.5  | 167.9  | 169.2  | 169.8  | 170.4  |
| 35°    | 151.2  | 149.7  | 148.3  | 147.3  | 149.7  | 151.6  | 153.5  | 156.2  | 158.6  | 159.0  | 159.5  |
| 37.5°  | 143.5  | 141.7  | 139.8  | 138.6  | 139.6  | 140.4  | 141.3  | 144.2  | 147.0  | 148.7  | 150.2  |
| 40°    | 136.3  | 134.4  | 132.6  | 131.5  | 132.2  | 132.4  | 132.6  | 134.0  | 135.3  | 138.4  | 141.3  |
| 42.5°  | 130.5  | 128.2  | 126.0  | 124.7  | 125.1  | 125.5  | 125.7  | 125.5  | 125.3  | 128.2  | 131.1  |
| 45°    | 124.7  | 122.2  | 119.7  | 118.3  | 118.5  | 118.5  | 118.5  | 118.1  | 117.5  | 118.9  | 120.4  |
| 47.5°  | 120.2  | 117.3  | 114.4  | 112.9  | 112.5  | 112.1  | 111.7  | 111.5  | 111.1  | 112.1  | 112.9  |
| 50°    | 115.6  | 112.5  | 109.2  | 107.5  | 106.5  | 106.1  | 105.7  | 105.5  | 105.1  | 106.1  | 106.9  |
| 52.5°  | 112.1  | 108.4  | 104.7  | 102.0  | 100.9  | 100.3  | 99.7   | 99.9   | 99.9   | 100.3  | 100.5  |
| 55°    | 105.9  | 102.6  | 99.1   | 97.2   | 95.3   | 94.9   | 94.5   | 95.1   | 95.6   | 95.6   | 95.6   |
| 57.5°  | 99.1   | 96.0   | 92.7   | 91.4   | 89.8   | 89.8   | 89.6   | 90.4   | 91.0   | 91.4   | 91.8   |
| 60°    | 93.1   | 89.6   | 86.0   | 85.0   | 84.4   | 84.2   | 84.0   | 85.0   | 85.8   | 86.7   | 87.5   |
| 62.5°  | 87.5   | 83.8   | 80.0   | 78.8   | 78.6   | 78.8   | 78.8   | 79.8   | 80.7   | 81.5   | 82.3   |
| 65°    | 81.3   | 77.6   | 73.6   | 72.4   | 72.8   | 73.4   | 74.0   | 74.9   | 75.5   | 76.3   | 77.1   |
| 67.5°  | 74.5   | 71.4   | 68.0   | 66.8   | 67.0   | 67.8   | 68.7   | 69.3   | 69.7   | 70.5   | 71.4   |
| 70°    | 67.0   | 64.3   | 61.6   | 60.8   | 60.6   | 61.6   | 62.5   | 62.9   | 63.3   | 64.3   | 65.1   |
| 72.5°  | 58.9   | 56.7   | 54.4   | 53.8   | 54.0   | 54.6   | 55.2   | 55.8   | 56.3   | 57.3   | 58.1   |
| 75°    | 50.7   | 48.6   | 46.5   | 46.1   | 46.5   | 47.2   | 47.8   | 48.2   | 48.6   | 49.8   | 50.9   |
| 77.5°  | 42.6   | 40.3   | 37.8   | 37.6   | 38.3   | 38.9   | 39.3   | 39.9   | 40.5   | 42.2   | 43.8   |
| 80°    | 34.1   | 31.6   | 29.0   | 28.7   | 29.4   | 30.0   | 30.6   | 31.2   | 31.9   | 33.9   | 35.8   |
| 82.5°  | 25.0   | 22.1   | 19.2   | 18.8   | 20.9   | 21.5   | 22.1   | 23.2   | 24.0   | 25.9   | 27.7   |
| 85°    | 15.1   | 12.2   | 9.3    | 9.1    | 11.0   | 12.0   | 13.0   | 14.3   | 15.3   | 17.0   | 18.6   |
| 87.5°  | 1.7    | 0.8    | 0.0    | 0.0    | 0.2    | 1.0    | 1.9    | 2.9    | 3.9    | 5.6    | 7.0    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1324.9 | 1315.6 | 1325.1 | 1334.4 | 1338.3 | 1342.3 | 1332.1 | 1321.8 | 1337.9 | 1353.9 | 1358.0 |
| 5°     | 1085.4 | 1076.9 | 1083.3 | 1089.5 | 1075.7 | 1061.8 | 1060.4 | 1058.7 | 1070.7 | 1082.7 | 1084.6 |
| 7.5°   | 841.3  | 838.7  | 844.7  | 850.7  | 833.1  | 815.3  | 806.6  | 797.9  | 800.8  | 803.7  | 803.3  |
| 10°    | 627.3  | 628.9  | 636.4  | 643.6  | 630.0  | 616.3  | 610.3  | 604.3  | 611.0  | 617.4  | 623.4  |
| 12.5°  | 469.9  | 473.4  | 481.3  | 488.9  | 483.3  | 477.6  | 478.2  | 478.8  | 486.4  | 493.9  | 500.5  |
| 15°    | 365.0  | 369.2  | 374.8  | 380.1  | 380.3  | 380.3  | 385.7  | 390.9  | 390.3  | 389.7  | 394.2  |
| 17.5°  | 302.2  | 307.5  | 308.2  | 308.8  | 309.0  | 309.2  | 308.8  | 308.4  | 305.3  | 302.2  | 305.7  |
| 20°    | 258.7  | 260.6  | 262.2  | 263.7  | 261.8  | 259.8  | 254.6  | 249.4  | 247.4  | 245.3  | 248.6  |
| 22.5°  | 235.4  | 238.7  | 237.0  | 235.2  | 231.4  | 227.5  | 223.6  | 219.4  | 219.2  | 218.8  | 220.7  |
| 25°    | 215.7  | 218.4  | 215.5  | 212.6  | 209.9  | 207.2  | 204.5  | 201.9  | 201.7  | 201.4  | 202.3  |
| 27.5°  | 199.4  | 201.9  | 199.2  | 196.5  | 194.2  | 191.9  | 189.9  | 187.8  | 187.4  | 187.0  | 187.2  |
| 30°    | 185.3  | 187.6  | 185.3  | 182.8  | 181.2  | 179.3  | 177.9  | 176.4  | 176.2  | 176.0  | 176.0  |
| 32.5°  | 172.7  | 175.0  | 173.3  | 171.7  | 170.2  | 168.8  | 167.7  | 166.7  | 165.7  | 164.6  | 162.4  |
| 35°    | 161.7  | 164.0  | 163.0  | 161.7  | 160.1  | 158.4  | 156.6  | 154.5  | 151.8  | 148.9  | 147.7  |
| 37.5°  | 152.4  | 154.7  | 153.7  | 152.6  | 150.4  | 148.1  | 144.8  | 141.3  | 140.4  | 139.4  | 139.2  |
| 40°    | 145.0  | 148.5  | 146.4  | 144.2  | 140.6  | 137.1  | 135.5  | 133.8  | 133.4  | 133.0  | 132.6  |
| 42.5°  | 136.7  | 142.1  | 138.4  | 134.6  | 131.3  | 128.0  | 127.6  | 127.2  | 127.0  | 126.8  | 126.8  |
| 45°    | 126.4  | 132.2  | 128.4  | 124.5  | 122.6  | 120.8  | 120.8  | 120.8  | 121.0  | 121.0  | 121.4  |
| 47.5°  | 116.6  | 120.2  | 118.3  | 116.4  | 115.4  | 114.4  | 114.6  | 114.8  | 115.4  | 115.8  | 116.9  |
| 50°    | 108.4  | 109.6  | 110.0  | 110.2  | 109.6  | 109.0  | 109.4  | 109.6  | 110.2  | 110.6  | 111.5  |
| 52.5°  | 102.4  | 104.2  | 104.2  | 104.0  | 104.0  | 104.0  | 104.4  | 104.9  | 105.5  | 106.1  | 106.9  |
| 55°    | 98.4   | 101.1  | 100.3  | 99.5   | 99.7   | 99.7   | 100.1  | 100.5  | 101.1  | 101.5  | 102.8  |
| 57.5°  | 94.7   | 97.6   | 96.8   | 96.0   | 96.0   | 96.0   | 96.2   | 96.4   | 97.0   | 97.4   | 98.2   |
| 60°    | 90.4   | 93.3   | 92.4   | 91.4   | 91.6   | 91.8   | 92.0   | 92.0   | 92.4   | 92.7   | 92.7   |
| 62.5°  | 85.2   | 88.1   | 87.3   | 86.2   | 86.9   | 87.3   | 87.3   | 87.3   | 87.7   | 87.9   | 87.3   |
| 65°    | 79.8   | 82.5   | 81.7   | 80.9   | 81.7   | 82.3   | 82.7   | 82.9   | 82.7   | 82.5   | 81.9   |
| 67.5°  | 74.0   | 76.7   | 75.9   | 74.9   | 75.9   | 76.7   | 77.6   | 78.2   | 77.6   | 76.9   | 76.1   |
| 70°    | 67.8   | 70.5   | 69.5   | 68.5   | 69.5   | 70.5   | 71.4   | 72.2   | 71.4   | 70.5   | 70.3   |
| 72.5°  | 61.2   | 64.3   | 63.1   | 61.8   | 63.1   | 64.3   | 64.7   | 65.1   | 64.5   | 63.9   | 63.5   |
| 75°    | 54.0   | 57.1   | 56.0   | 54.8   | 55.8   | 56.9   | 57.1   | 57.3   | 57.3   | 57.1   | 55.8   |
| 77.5°  | 46.3   | 48.8   | 48.2   | 47.6   | 48.2   | 48.8   | 48.8   | 48.8   | 49.0   | 49.0   | 47.4   |
| 80°    | 37.2   | 38.7   | 38.9   | 39.1   | 39.3   | 39.5   | 39.3   | 39.1   | 38.7   | 38.3   | 37.2   |
| 82.5°  | 27.7   | 27.7   | 29.4   | 30.8   | 30.8   | 30.6   | 30.4   | 30.0   | 29.2   | 28.1   | 25.9   |
| 85°    | 17.6   | 16.5   | 19.2   | 21.7   | 21.7   | 21.5   | 21.1   | 20.5   | 18.8   | 17.0   | 15.1   |
| 87.5°  | 6.0    | 5.0    | 7.7    | 10.3   | 10.5   | 10.5   | 10.1   | 9.7    | 8.1    | 6.2    | 4.8    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



REPORT NUMBER: P320485

CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1364.2 | 1366.9 | 1369.4 | 1389.6 | 1409.7 | 1433.3 | 1456.8 | 1474.8 | 1492.6 | 1511.0 | 1529.4 |
| 5°     | 1091.0 | 1094.3 | 1097.6 | 1122.2 | 1146.6 | 1179.5 | 1212.4 | 1240.7 | 1269.1 | 1302.4 | 1335.7 |
| 7.5°   | 808.7  | 815.9  | 822.9  | 849.2  | 875.3  | 910.6  | 945.8  | 982.8  | 1019.6 | 1063.1 | 1106.5 |
| 10°    | 635.1  | 648.8  | 662.2  | 689.1  | 716.0  | 751.0  | 785.7  | 824.4  | 863.1  | 905.9  | 948.5  |
| 12.5°  | 514.2  | 532.4  | 550.4  | 582.6  | 614.9  | 656.7  | 698.2  | 741.2  | 784.1  | 821.7  | 859.3  |
| 15°    | 406.2  | 426.1  | 445.7  | 479.8  | 514.0  | 559.9  | 605.6  | 652.5  | 699.3  | 744.4  | 789.4  |
| 17.5°  | 316.9  | 333.2  | 349.3  | 378.3  | 407.0  | 451.5  | 496.0  | 545.2  | 594.4  | 649.4  | 704.2  |
| 20°    | 255.6  | 262.5  | 269.3  | 290.2  | 310.9  | 347.0  | 383.0  | 433.3  | 483.5  | 549.3  | 615.1  |
| 22.5°  | 224.0  | 227.5  | 230.8  | 240.9  | 250.9  | 274.2  | 297.4  | 341.9  | 386.1  | 457.9  | 529.5  |
| 25°    | 205.0  | 207.6  | 210.3  | 217.0  | 223.6  | 234.7  | 245.9  | 277.1  | 308.4  | 378.9  | 449.2  |
| 27.5°  | 187.8  | 191.9  | 195.9  | 199.0  | 201.9  | 209.5  | 217.0  | 237.4  | 257.9  | 323.7  | 389.2  |
| 30°    | 175.4  | 176.8  | 178.3  | 183.0  | 187.6  | 195.4  | 203.3  | 217.6  | 231.8  | 287.5  | 342.9  |
| 32.5°  | 160.9  | 163.0  | 165.0  | 170.0  | 175.0  | 182.2  | 189.4  | 201.0  | 212.4  | 260.0  | 307.3  |
| 35°    | 147.9  | 149.9  | 152.0  | 157.0  | 161.7  | 169.6  | 177.2  | 187.0  | 196.5  | 237.8  | 279.2  |
| 37.5°  | 139.8  | 141.9  | 143.9  | 148.3  | 152.4  | 160.3  | 167.9  | 175.6  | 183.0  | 221.3  | 259.6  |
| 40°    | 133.0  | 135.1  | 137.1  | 141.3  | 145.2  | 152.8  | 160.3  | 166.7  | 173.1  | 208.9  | 244.7  |
| 42.5°  | 127.0  | 129.3  | 131.5  | 135.7  | 139.6  | 146.4  | 153.3  | 161.7  | 170.0  | 198.1  | 226.1  |
| 45°    | 122.0  | 124.3  | 126.4  | 130.9  | 135.5  | 142.1  | 148.7  | 160.5  | 172.3  | 192.6  | 212.8  |
| 47.5°  | 117.5  | 120.0  | 122.2  | 127.2  | 132.2  | 140.4  | 148.5  | 158.4  | 168.1  | 188.2  | 208.3  |
| 50°    | 113.1  | 116.0  | 118.9  | 124.9  | 130.7  | 144.6  | 158.2  | 159.7  | 160.9  | 184.7  | 208.3  |
| 52.5°  | 109.0  | 112.3  | 115.6  | 123.1  | 130.3  | 146.4  | 162.6  | 157.4  | 152.0  | 178.1  | 204.1  |
| 55°    | 104.9  | 107.8  | 110.4  | 119.5  | 128.6  | 140.4  | 152.2  | 145.4  | 138.4  | 165.7  | 193.0  |
| 57.5°  | 99.3   | 102.4  | 105.3  | 115.0  | 124.7  | 133.0  | 141.1  | 134.8  | 128.4  | 151.6  | 174.6  |
| 60°    | 93.5   | 97.0   | 100.5  | 112.9  | 125.1  | 123.7  | 122.0  | 120.8  | 119.3  | 135.9  | 152.4  |
| 62.5°  | 88.3   | 92.0   | 95.8   | 111.9  | 128.0  | 118.1  | 108.2  | 109.2  | 110.0  | 122.2  | 134.4  |
| 65°    | 83.1   | 86.9   | 90.4   | 98.4   | 106.5  | 102.6  | 98.7   | 100.3  | 101.8  | 113.8  | 125.7  |
| 67.5°  | 77.4   | 80.7   | 83.8   | 86.5   | 89.1   | 89.6   | 90.0   | 91.6   | 93.3   | 107.5  | 121.6  |
| 70°    | 70.9   | 73.6   | 76.3   | 78.2   | 79.8   | 80.7   | 81.3   | 83.3   | 85.4   | 100.9  | 116.4  |
| 72.5°  | 63.7   | 66.0   | 68.0   | 69.7   | 71.4   | 72.0   | 72.4   | 74.5   | 76.5   | 93.1   | 109.6  |
| 75°    | 55.8   | 57.7   | 59.4   | 60.8   | 62.3   | 63.1   | 63.9   | 65.4   | 66.8   | 84.8   | 102.6  |
| 77.5°  | 47.2   | 49.0   | 50.7   | 51.9   | 52.9   | 53.8   | 54.4   | 56.3   | 58.1   | 73.2   | 88.1   |
| 80°    | 36.8   | 39.1   | 41.2   | 42.2   | 43.0   | 43.2   | 43.2   | 44.9   | 46.5   | 57.3   | 67.8   |
| 82.5°  | 26.1   | 28.5   | 30.8   | 31.6   | 32.5   | 32.5   | 32.5   | 34.3   | 36.2   | 43.4   | 50.5   |
| 85°    | 15.3   | 18.0   | 20.5   | 21.3   | 22.1   | 22.5   | 22.8   | 23.6   | 24.2   | 29.4   | 34.3   |
| 87.5°  | 4.8    | 7.0    | 9.1    | 9.5    | 9.9    | 10.8   | 11.6   | 11.8   | 11.8   | 15.3   | 18.8   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



REPORT NUMBER: P320485

CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 | 1576.0 |
| 2.5°   | 1550.5 | 1571.6 | 1596.2 | 1620.7 | 1641.5 | 1662.4 | 1679.8 |
| 5°     | 1378.1 | 1420.4 | 1472.4 | 1524.1 | 1570.2 | 1616.3 | 1669.9 |
| 7.5°   | 1161.3 | 1216.1 | 1283.3 | 1350.5 | 1415.7 | 1480.6 | 1562.9 |
| 10°    | 1004.3 | 1060.0 | 1131.1 | 1202.0 | 1275.3 | 1348.3 | 1441.3 |
| 12.5°  | 904.6  | 949.7  | 1018.6 | 1087.5 | 1173.5 | 1259.3 | 1348.9 |
| 15°    | 838.9  | 888.1  | 955.1  | 1022.1 | 1116.2 | 1210.3 | 1313.3 |
| 17.5°  | 768.8  | 833.1  | 918.9  | 1004.7 | 1116.2 | 1227.5 | 1348.9 |
| 20°    | 695.3  | 775.4  | 886.6  | 997.9  | 1148.1 | 1298.0 | 1452.9 |
| 22.5°  | 622.1  | 714.8  | 857.5  | 1000.0 | 1196.3 | 1392.3 | 1601.4 |
| 25°    | 556.1  | 663.1  | 839.7  | 1016.1 | 1266.4 | 1516.4 | 1775.8 |
| 27.5°  | 506.1  | 622.7  | 832.5  | 1042.0 | 1355.3 | 1668.6 | 1965.4 |
| 30°    | 461.6  | 580.3  | 823.8  | 1067.2 | 1440.9 | 1814.4 | 2113.7 |
| 32.5°  | 423.2  | 539.0  | 807.0  | 1074.9 | 1500.7 | 1926.5 | 2239.3 |
| 35°    | 393.0  | 506.7  | 778.9  | 1051.1 | 1538.1 | 2025.2 | 2370.0 |
| 37.5°  | 366.9  | 474.2  | 746.8  | 1019.4 | 1571.4 | 2123.4 | 2517.0 |
| 40°    | 342.1  | 439.5  | 719.3  | 998.9  | 1617.3 | 2235.7 | 2672.3 |
| 42.5°  | 318.5  | 411.0  | 697.2  | 983.4  | 1659.9 | 2336.3 | 2808.2 |
| 45°    | 300.9  | 389.0  | 677.5  | 965.9  | 1687.5 | 2409.1 | 2910.6 |
| 47.5°  | 292.2  | 376.0  | 667.0  | 957.8  | 1715.0 | 2471.9 | 2995.6 |
| 50°    | 291.0  | 373.7  | 679.0  | 984.3  | 1774.5 | 2564.6 | 3092.8 |
| 52.5°  | 290.8  | 377.4  | 713.5  | 1049.6 | 1885.2 | 2720.5 | 3198.1 |
| 55°    | 286.4  | 379.7  | 754.7  | 1129.5 | 2033.7 | 2937.7 | 3387.3 |
| 57.5°  | 273.2  | 371.9  | 797.1  | 1222.1 | 2190.7 | 3159.0 | 3600.6 |
| 60°    | 252.7  | 352.8  | 832.0  | 1311.0 | 2296.1 | 3281.0 | 3682.7 |
| 62.5°  | 227.1  | 319.5  | 843.6  | 1367.5 | 2293.2 | 3219.0 | 3599.9 |
| 65°    | 205.2  | 284.6  | 805.6  | 1326.3 | 2177.2 | 3027.9 | 3436.3 |
| 67.5°  | 185.7  | 249.6  | 710.4  | 1171.0 | 1968.5 | 2765.8 | 3228.3 |
| 70°    | 171.7  | 226.7  | 587.8  | 948.9  | 1707.3 | 2465.5 | 2987.3 |
| 72.5°  | 162.8  | 215.7  | 479.2  | 742.5  | 1385.5 | 2028.3 | 2555.3 |
| 75°    | 150.6  | 198.5  | 376.0  | 553.2  | 1060.4 | 1567.5 | 1930.1 |
| 77.5°  | 127.8  | 167.3  | 283.3  | 399.4  | 778.1  | 1156.5 | 1342.3 |
| 80°    | 98.7   | 129.3  | 194.8  | 260.4  | 535.5  | 810.5  | 915.2  |
| 82.5°  | 70.3   | 90.2   | 118.1  | 146.0  | 355.7  | 565.2  | 573.9  |
| 85°    | 43.4   | 52.5   | 67.6   | 82.7   | 235.4  | 388.0  | 323.3  |
| 87.5°  | 23.4   | 27.9   | 35.8   | 43.4   | 75.3   | 107.1  | 61.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320485  
 CATALOG NUMBER: GLEON-SA1C-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

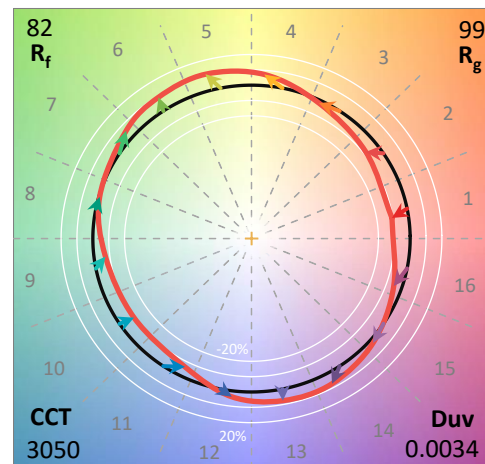
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2408-195-9  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 08/07/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW EDISON  
 Catalog Number: **GALN-SB1A-830-U-5WQ**  
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

### Spectral Parameters

CCT (K): 3050  
 CIE  $u'$ : 0.2476  
 CIE  $v'$ : 0.5251  
 Duv: 0.0034  
 CIE x: 0.4383  
 CIE y: 0.4131  
 CIE z: 0.1487  
 Peak Wavelength (nm): 603  
 Dominant Wavelength (nm): 581  
 Purity: 55.55201  
 R<sub>f</sub>: 81.5  
 R<sub>g</sub>: 99.2

CRI (Ra): 81.0  
 R1: 79.6  
 R2: 85.6  
 R3: 92.0  
 R4: 82.6  
 R5: 78.9  
 R6: 81.7  
 R7: 85.2  
 R8: 62.0  
 R9: 7.1  
 R10: 67.0  
 R11: 82.7  
 R12: 63.2  
 R13: 80.3  
 R14: 95.0  
 R15: 71.7



### Test Conditions

Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 6/18/2024        | 12/18/2024           |
| Power Meter                    | INXT2011004           | 2/8/2024         | 2/8/2025             |
| AC Power Source                | IN0063                | 10/24/2023       | 10/24/2024           |
| DC Power Source                | IN0208                | 10/24/2023       | 10/24/2024           |
| Sphere Thermometer             | IN0085                | 10/24/2023       | 10/24/2024           |
| Room Thermometer               | IN0046                | 10/24/2023       | 10/24/2024           |

REPORT NUMBER: SP1-2408-195-9

**CIE 1931 Chromaticity Diagram**



**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

### Photopic Flux vs. Wavelength

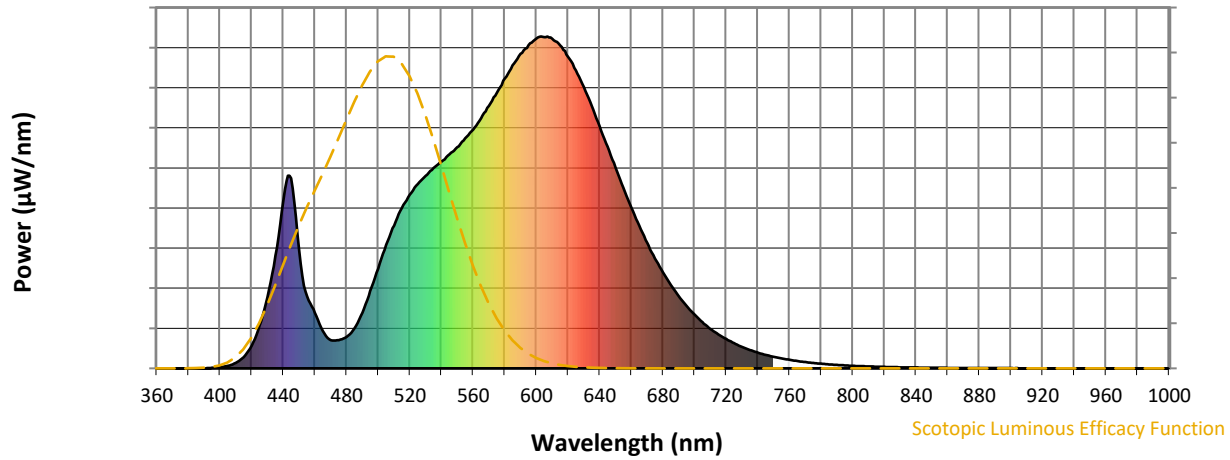


### Photopic Lumens: NR

| $\lambda$<br>(nm) | Power<br>$\text{W}/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|-------------------------------|--------------------------------|-------------------|-------------------------------|--------------------------------|-------------------|-------------------------------|--------------------------------|-------------------|-------------------------------|--------------------------------|-------------------|-------------------------------|--------------------------------|
| 360               | 0                             | NR                             | 490               | 168                           | NR                             | 620               | 940                           | NR                             | 750               | 35                            | NR                             | 880               | 1                             | NR                             |
| 365               | 0                             | NR                             | 495               | 233                           | NR                             | 625               | 897                           | NR                             | 755               | 30                            | NR                             | 885               | 1                             | NR                             |
| 370               | 0                             | NR                             | 500               | 300                           | NR                             | 630               | 847                           | NR                             | 760               | 26                            | NR                             | 890               | 1                             | NR                             |
| 375               | 0                             | NR                             | 505               | 372                           | NR                             | 635               | 790                           | NR                             | 765               | 22                            | NR                             | 895               | 1                             | NR                             |
| 380               | 0                             | NR                             | 510               | 430                           | NR                             | 640               | 730                           | NR                             | 770               | 19                            | NR                             | 900               | 1                             | NR                             |
| 385               | 0                             | NR                             | 515               | 483                           | NR                             | 645               | 668                           | NR                             | 775               | 16                            | NR                             | 905               | 1                             | NR                             |
| 390               | 0                             | NR                             | 520               | 524                           | NR                             | 650               | 605                           | NR                             | 780               | 14                            | NR                             | 910               | 0                             | NR                             |
| 395               | 2                             | NR                             | 525               | 555                           | NR                             | 655               | 545                           | NR                             | 785               | 12                            | NR                             | 915               | 0                             | NR                             |
| 400               | 4                             | NR                             | 530               | 581                           | NR                             | 660               | 485                           | NR                             | 790               | 10                            | NR                             | 920               | 0                             | NR                             |
| 405               | 7                             | NR                             | 535               | 604                           | NR                             | 665               | 430                           | NR                             | 795               | 9                             | NR                             | 925               | 0                             | NR                             |
| 410               | 17                            | NR                             | 540               | 623                           | NR                             | 670               | 378                           | NR                             | 800               | 8                             | NR                             | 930               | 0                             | NR                             |
| 415               | 34                            | NR                             | 545               | 645                           | NR                             | 675               | 331                           | NR                             | 805               | 7                             | NR                             | 935               | 0                             | NR                             |
| 420               | 68                            | NR                             | 550               | 667                           | NR                             | 680               | 290                           | NR                             | 810               | 6                             | NR                             | 940               | 0                             | NR                             |
| 425               | 128                           | NR                             | 555               | 693                           | NR                             | 685               | 251                           | NR                             | 815               | 5                             | NR                             | 945               | 0                             | NR                             |
| 430               | 214                           | NR                             | 560               | 719                           | NR                             | 690               | 218                           | NR                             | 820               | 4                             | NR                             | 950               | 0                             | NR                             |
| 435               | 339                           | NR                             | 565               | 754                           | NR                             | 695               | 188                           | NR                             | 825               | 4                             | NR                             | 955               | 0                             | NR                             |
| 440               | 507                           | NR                             | 570               | 791                           | NR                             | 700               | 162                           | NR                             | 830               | 3                             | NR                             | 960               | 0                             | NR                             |
| 445               | 573                           | NR                             | 575               | 830                           | NR                             | 705               | 139                           | NR                             | 835               | 3                             | NR                             | 965               | 0                             | NR                             |
| 450               | 356                           | NR                             | 580               | 873                           | NR                             | 710               | 119                           | NR                             | 840               | 3                             | NR                             | 970               | 0                             | NR                             |
| 455               | 217                           | NR                             | 585               | 913                           | NR                             | 715               | 102                           | NR                             | 845               | 2                             | NR                             | 975               | 0                             | NR                             |
| 460               | 168                           | NR                             | 590               | 948                           | NR                             | 720               | 88                            | NR                             | 850               | 2                             | NR                             | 980               | 0                             | NR                             |
| 465               | 113                           | NR                             | 595               | 974                           | NR                             | 725               | 76                            | NR                             | 855               | 2                             | NR                             | 985               | 0                             | NR                             |
| 470               | 85                            | NR                             | 600               | 994                           | NR                             | 730               | 65                            | NR                             | 860               | 1                             | NR                             | 990               | 0                             | NR                             |
| 475               | 85                            | NR                             | 605               | 998                           | NR                             | 735               | 55                            | NR                             | 865               | 1                             | NR                             | 995               | 0                             | NR                             |
| 480               | 94                            | NR                             | 610               | 994                           | NR                             | 740               | 47                            | NR                             | 870               | 1                             | NR                             | 1000              | 0                             | NR                             |
| 485               | 120                           | NR                             | 615               | 973                           | NR                             | 745               | 41                            | NR                             | 875               | 1                             | NR                             |                   |                               |                                |

REPORT NUMBER: SP1-2408-195-9

### Scotopic Flux vs. Wavelength

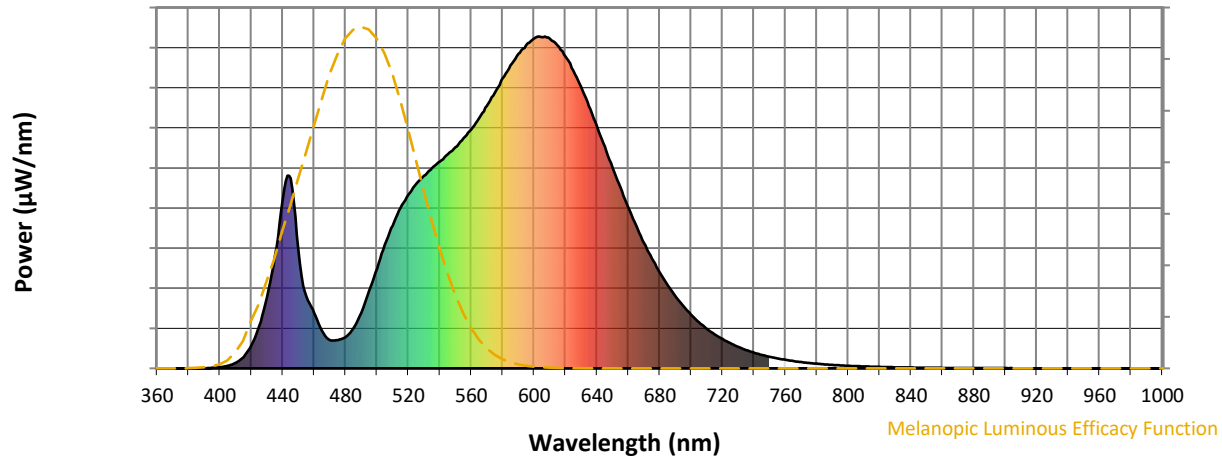


Scotopic Lumens: NR

S/P: 1.27

| λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360    | 0                        | NR            | 490    | 168                      | NR            | 620    | 940                      | NR            | 750    | 35                       | NR            | 880    | 1                        | NR            |
| 365    | 0                        | NR            | 495    | 233                      | NR            | 625    | 897                      | NR            | 755    | 30                       | NR            | 885    | 1                        | NR            |
| 370    | 0                        | NR            | 500    | 300                      | NR            | 630    | 847                      | NR            | 760    | 26                       | NR            | 890    | 1                        | NR            |
| 375    | 0                        | NR            | 505    | 372                      | NR            | 635    | 790                      | NR            | 765    | 22                       | NR            | 895    | 1                        | NR            |
| 380    | 0                        | NR            | 510    | 430                      | NR            | 640    | 730                      | NR            | 770    | 19                       | NR            | 900    | 1                        | NR            |
| 385    | 0                        | NR            | 515    | 483                      | NR            | 645    | 668                      | NR            | 775    | 16                       | NR            | 905    | 1                        | NR            |
| 390    | 0                        | NR            | 520    | 524                      | NR            | 650    | 605                      | NR            | 780    | 14                       | NR            | 910    | 0                        | NR            |
| 395    | 2                        | NR            | 525    | 555                      | NR            | 655    | 545                      | NR            | 785    | 12                       | NR            | 915    | 0                        | NR            |
| 400    | 4                        | NR            | 530    | 581                      | NR            | 660    | 485                      | NR            | 790    | 10                       | NR            | 920    | 0                        | NR            |
| 405    | 7                        | NR            | 535    | 604                      | NR            | 665    | 430                      | NR            | 795    | 9                        | NR            | 925    | 0                        | NR            |
| 410    | 17                       | NR            | 540    | 623                      | NR            | 670    | 378                      | NR            | 800    | 8                        | NR            | 930    | 0                        | NR            |
| 415    | 34                       | NR            | 545    | 645                      | NR            | 675    | 331                      | NR            | 805    | 7                        | NR            | 935    | 0                        | NR            |
| 420    | 68                       | NR            | 550    | 667                      | NR            | 680    | 290                      | NR            | 810    | 6                        | NR            | 940    | 0                        | NR            |
| 425    | 128                      | NR            | 555    | 693                      | NR            | 685    | 251                      | NR            | 815    | 5                        | NR            | 945    | 0                        | NR            |
| 430    | 214                      | NR            | 560    | 719                      | NR            | 690    | 218                      | NR            | 820    | 4                        | NR            | 950    | 0                        | NR            |
| 435    | 339                      | NR            | 565    | 754                      | NR            | 695    | 188                      | NR            | 825    | 4                        | NR            | 955    | 0                        | NR            |
| 440    | 507                      | NR            | 570    | 791                      | NR            | 700    | 162                      | NR            | 830    | 3                        | NR            | 960    | 0                        | NR            |
| 445    | 573                      | NR            | 575    | 830                      | NR            | 705    | 139                      | NR            | 835    | 3                        | NR            | 965    | 0                        | NR            |
| 450    | 356                      | NR            | 580    | 873                      | NR            | 710    | 119                      | NR            | 840    | 3                        | NR            | 970    | 0                        | NR            |
| 455    | 217                      | NR            | 585    | 913                      | NR            | 715    | 102                      | NR            | 845    | 2                        | NR            | 975    | 0                        | NR            |
| 460    | 168                      | NR            | 590    | 948                      | NR            | 720    | 88                       | NR            | 850    | 2                        | NR            | 980    | 0                        | NR            |
| 465    | 113                      | NR            | 595    | 974                      | NR            | 725    | 76                       | NR            | 855    | 2                        | NR            | 985    | 0                        | NR            |
| 470    | 85                       | NR            | 600    | 994                      | NR            | 730    | 65                       | NR            | 860    | 1                        | NR            | 990    | 0                        | NR            |
| 475    | 85                       | NR            | 605    | 998                      | NR            | 735    | 55                       | NR            | 865    | 1                        | NR            | 995    | 0                        | NR            |
| 480    | 94                       | NR            | 610    | 994                      | NR            | 740    | 47                       | NR            | 870    | 1                        | NR            | 1000   | 0                        | NR            |
| 485    | 120                      | NR            | 615    | 973                      | NR            | 745    | 41                       | NR            | 875    | 1                        | NR            |        |                          |               |

REPORT NUMBER: SP1-2408-195-9

**Melanopic Flux vs. Wavelength**

**Melanopic Lumens: NR**
**M/P: 2.32**

| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 168                                  | NR                             | 620               | 940                                  | NR                             | 750               | 35                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 233                                  | NR                             | 625               | 897                                  | NR                             | 755               | 30                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 300                                  | NR                             | 630               | 847                                  | NR                             | 760               | 26                                   | NR                             | 890               | 1                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 372                                  | NR                             | 635               | 790                                  | NR                             | 765               | 22                                   | NR                             | 895               | 1                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 430                                  | NR                             | 640               | 730                                  | NR                             | 770               | 19                                   | NR                             | 900               | 1                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 483                                  | NR                             | 645               | 668                                  | NR                             | 775               | 16                                   | NR                             | 905               | 1                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 524                                  | NR                             | 650               | 605                                  | NR                             | 780               | 14                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 2                                    | NR                             | 525               | 555                                  | NR                             | 655               | 545                                  | NR                             | 785               | 12                                   | NR                             | 915               | 0                                    | NR                             |
| 400               | 4                                    | NR                             | 530               | 581                                  | NR                             | 660               | 485                                  | NR                             | 790               | 10                                   | NR                             | 920               | 0                                    | NR                             |
| 405               | 7                                    | NR                             | 535               | 604                                  | NR                             | 665               | 430                                  | NR                             | 795               | 9                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 17                                   | NR                             | 540               | 623                                  | NR                             | 670               | 378                                  | NR                             | 800               | 8                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 34                                   | NR                             | 545               | 645                                  | NR                             | 675               | 331                                  | NR                             | 805               | 7                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 68                                   | NR                             | 550               | 667                                  | NR                             | 680               | 290                                  | NR                             | 810               | 6                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 128                                  | NR                             | 555               | 693                                  | NR                             | 685               | 251                                  | NR                             | 815               | 5                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 214                                  | NR                             | 560               | 719                                  | NR                             | 690               | 218                                  | NR                             | 820               | 4                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 339                                  | NR                             | 565               | 754                                  | NR                             | 695               | 188                                  | NR                             | 825               | 4                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 507                                  | NR                             | 570               | 791                                  | NR                             | 700               | 162                                  | NR                             | 830               | 3                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 573                                  | NR                             | 575               | 830                                  | NR                             | 705               | 139                                  | NR                             | 835               | 3                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 356                                  | NR                             | 580               | 873                                  | NR                             | 710               | 119                                  | NR                             | 840               | 3                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 217                                  | NR                             | 585               | 913                                  | NR                             | 715               | 102                                  | NR                             | 845               | 2                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 168                                  | NR                             | 590               | 948                                  | NR                             | 720               | 88                                   | NR                             | 850               | 2                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 113                                  | NR                             | 595               | 974                                  | NR                             | 725               | 76                                   | NR                             | 855               | 2                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 85                                   | NR                             | 600               | 994                                  | NR                             | 730               | 65                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 85                                   | NR                             | 605               | 998                                  | NR                             | 735               | 55                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 94                                   | NR                             | 610               | 994                                  | NR                             | 740               | 47                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 120                                  | NR                             | 615               | 973                                  | NR                             | 745               | 41                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

REPORT NUMBER: SP1-2408-195-9

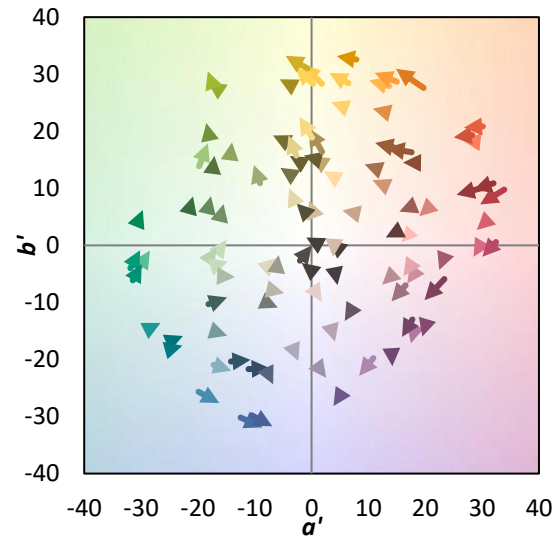
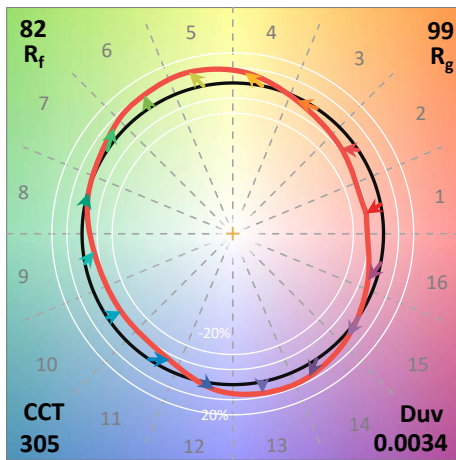
TM-30-18

### Summary

$R_f = 81.5$   
 $R_g = 99.2$   
 $CIE R_a = 81.0$   
 $R_9 = 7.1$



### Color Vector Graphics



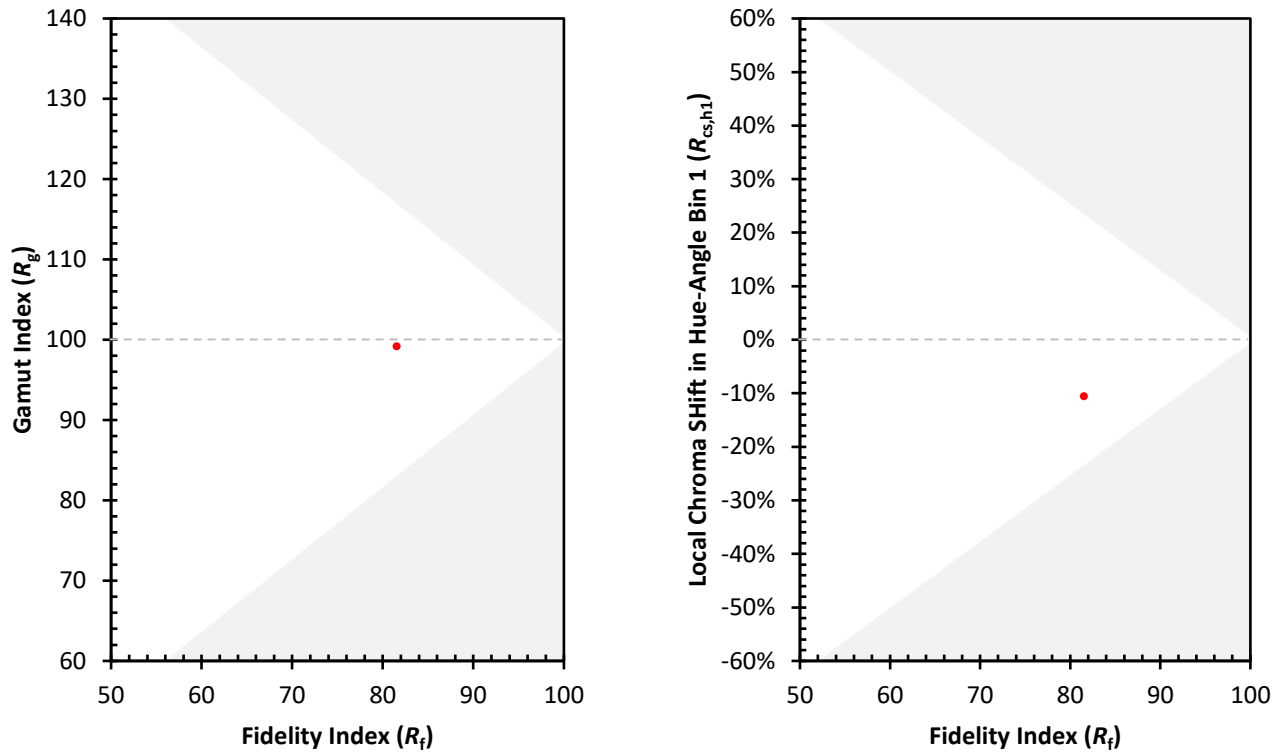
**Individual Sample Fidelity Index ( $R_{f,i}$ )**

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 74 | CES51 = 89 | CES76 = 70 |
| CES02 = 63 | CES27 = 88 | CES52 = 92 | CES77 = 86 |
| CES03 = 31 | CES28 = 89 | CES53 = 81 | CES78 = 72 |
| CES04 = 70 | CES29 = 67 | CES54 = 87 | CES79 = 90 |
| CES05 = 50 | CES30 = 68 | CES55 = 85 | CES80 = 88 |
| CES06 = 51 | CES31 = 71 | CES56 = 78 | CES81 = 78 |
| CES07 = 42 | CES32 = 70 | CES57 = 76 | CES82 = 95 |
| CES08 = 41 | CES33 = 71 | CES58 = 78 | CES83 = 90 |
| CES09 = 29 | CES34 = 82 | CES59 = 92 | CES84 = 94 |
| CES10 = 76 | CES35 = 90 | CES60 = 95 | CES85 = 86 |
| CES11 = 59 | CES36 = 93 | CES61 = 93 | CES86 = 72 |
| CES12 = 65 | CES37 = 87 | CES62 = 83 | CES87 = 85 |
| CES13 = 43 | CES38 = 75 | CES63 = 77 | CES88 = 83 |
| CES14 = 74 | CES39 = 94 | CES64 = 83 | CES89 = 75 |
| CES15 = 71 | CES40 = 89 | CES65 = 77 | CES90 = 81 |
| CES16 = 47 | CES41 = 85 | CES66 = 80 | CES91 = 96 |
| CES17 = 50 | CES42 = 86 | CES67 = 79 | CES92 = 73 |
| CES18 = 56 | CES43 = 81 | CES68 = 84 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 91 | CES94 = 64 |
| CES20 = 66 | CES45 = 87 | CES70 = 78 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 76 | CES96 = 84 |
| CES22 = 79 | CES47 = 77 | CES72 = 92 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 71 | CES98 = 81 |
| CES24 = 91 | CES49 = 81 | CES74 = 93 | CES99 = 74 |
| CES25 = 72 | CES50 = 89 | CES75 = 74 |            |



**Color Rendition by Hue-Angle Bin**


**Measure Comparisons**



(END OF REPORT)