

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: P320466

Luminaire Tested: **GLEON-SA2A-830-U-SLL**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P320466  
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-SA2A-830-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 6659 lumens  
Efficiency: N/A  
Efficacy: 100.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 66  
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

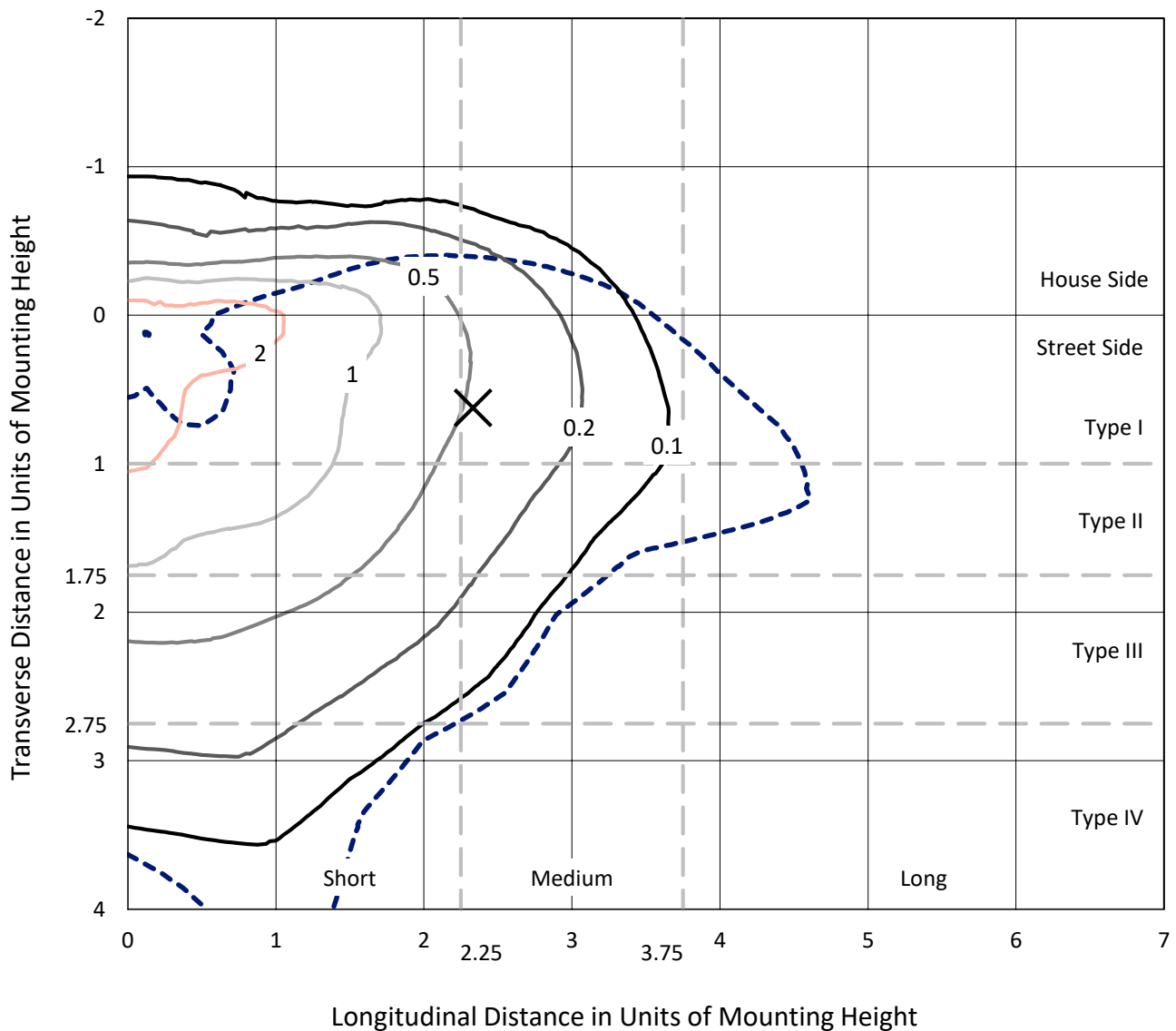


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## Iso-Footcandle Lines of Horizontal Illumination

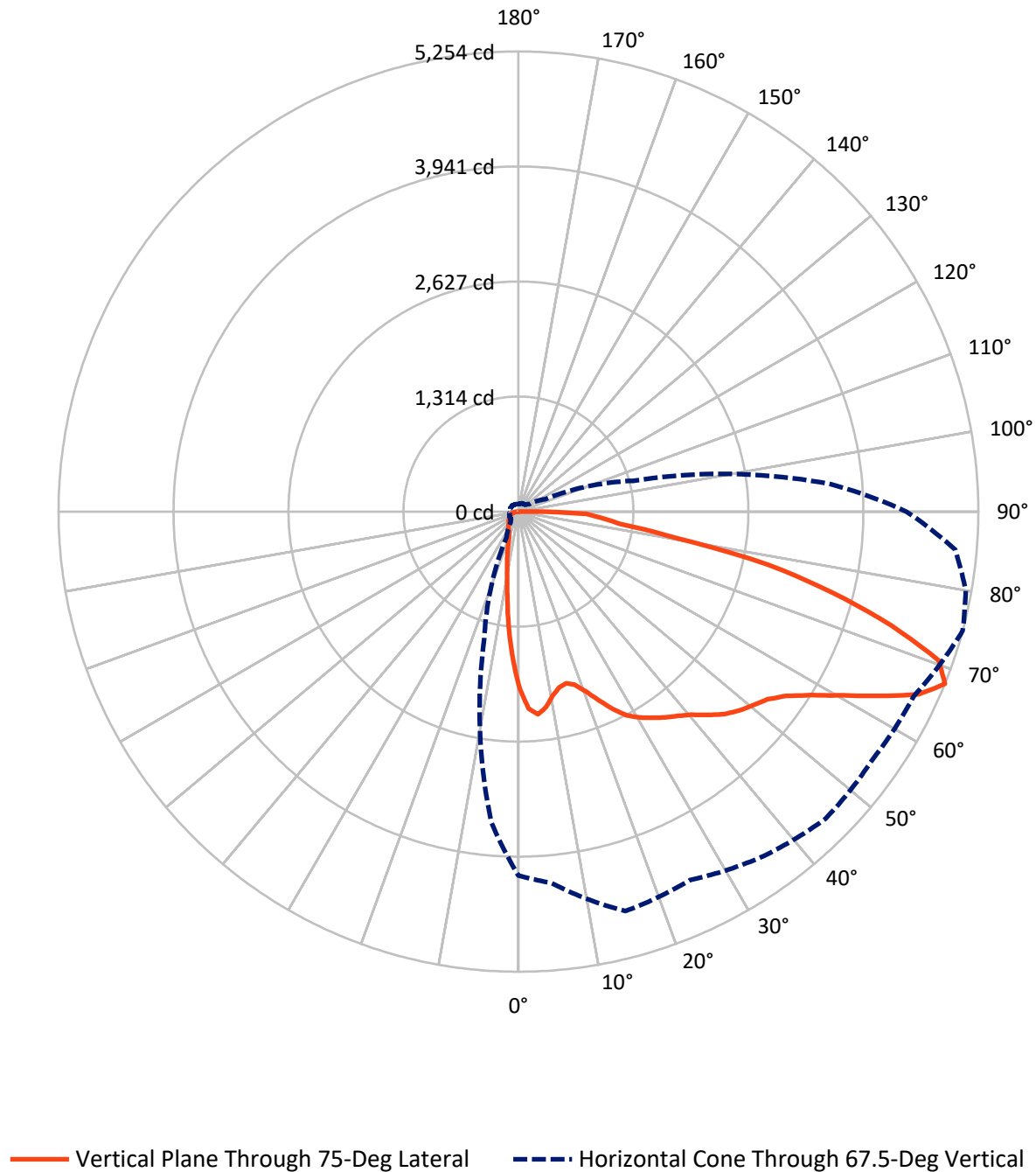
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA2A-830-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1172.8   | 0.0    | 1172.8 |
|                    | % Fixture | 17.6     | 0.0    | 17.6   |
| <b>Street Side</b> | Lumens    | 5486.2   | 0.0    | 5486.2 |
|                    | % Fixture | 82.4     | 0.0    | 82.4   |
| <b>Total</b>       | Lumens    | 6659.0   | 0.0    | 6659.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 156.6  | 2.4       |
| 10°-20°   | 325.3  | 4.9       |
| 20°-30°   | 462.6  | 6.9       |
| 30°-40°   | 666.6  | 10.0      |
| 40°-50°   | 939.4  | 14.1      |
| 50°-60°   | 1305.9 | 19.6      |
| 60°-70°   | 1579.3 | 23.7      |
| 70°-80°   | 970.8  | 14.6      |
| 80°-90°   | 252.6  | 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°    | 6659.0 | 100.0     |
| 0°-180°   | 6659.0 | 100.0     |

**Coefficient of Utilization**



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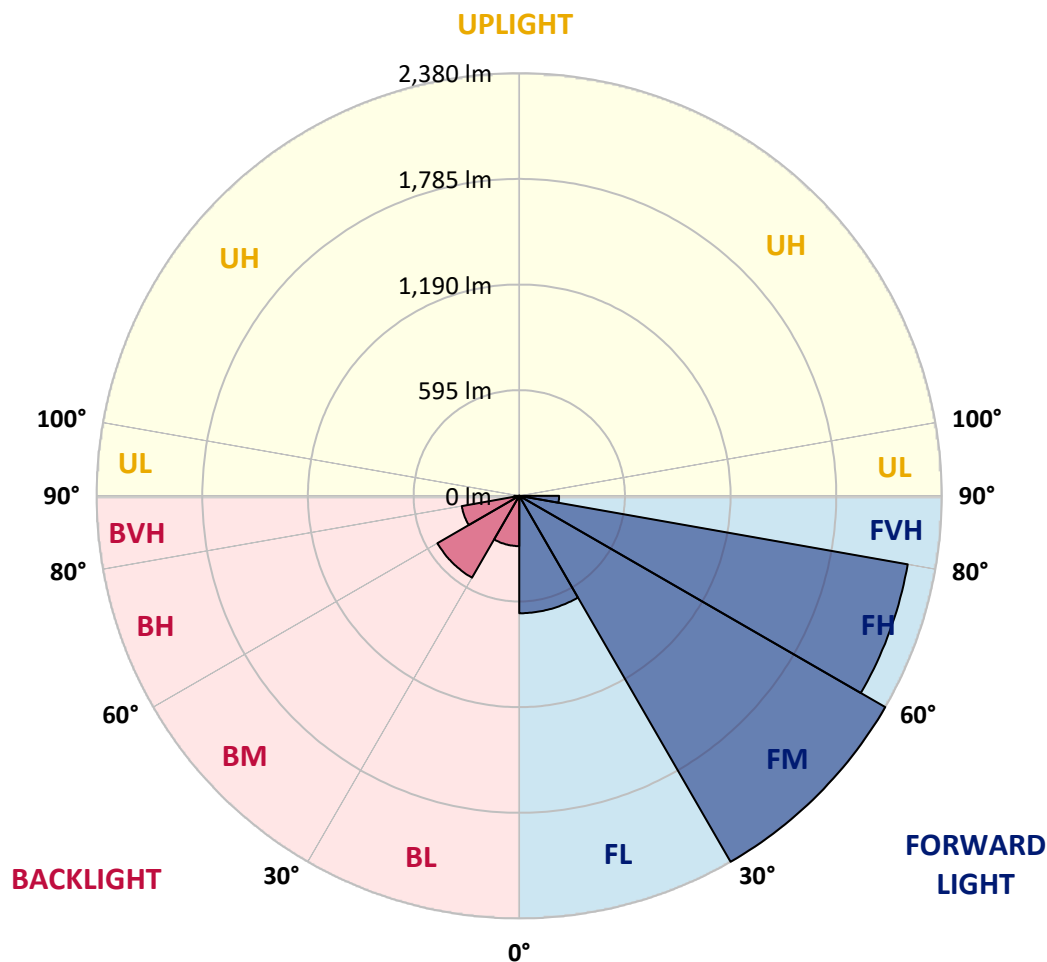
CATALOG NUMBER: GLEON-SA2A-830-U-SLL

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 661.2  | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 2379.6 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 2221.2 | 33.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 224.2  | 3.4       |                         |      | G2/225  |
| BL   | (0°-30°)    | 283.2  | 4.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 532.4  | 8.0       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 328.8  | 4.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.4   | 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°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 2162.3 | 2190.8 | 2210.5 | 2230.0 | 2245.1 | 2260.1 | 2281.9 | 2303.7 | 2308.0 | 2312.0 | 2303.4 |
| 5°     | 2149.6 | 2219.1 | 2278.2 | 2337.0 | 2391.6 | 2446.1 | 2478.9 | 2511.6 | 2518.3 | 2525.0 | 2504.5 |
| 7.5°   | 2011.9 | 2114.4 | 2216.9 | 2319.4 | 2413.4 | 2507.4 | 2564.6 | 2621.6 | 2634.6 | 2647.4 | 2613.9 |
| 10°    | 1855.4 | 1974.7 | 2100.6 | 2226.5 | 2350.3 | 2474.1 | 2556.9 | 2639.7 | 2656.2 | 2672.7 | 2630.9 |
| 12.5°  | 1736.4 | 1866.6 | 2001.0 | 2135.5 | 2266.2 | 2396.6 | 2482.4 | 2568.1 | 2588.6 | 2609.1 | 2578.7 |
| 15°    | 1690.6 | 1833.3 | 1959.7 | 2086.2 | 2200.1 | 2313.8 | 2384.1 | 2454.1 | 2462.7 | 2470.9 | 2466.1 |
| 17.5°  | 1736.4 | 1893.7 | 2008.2 | 2122.4 | 2184.4 | 2246.2 | 2274.4 | 2302.4 | 2311.7 | 2320.8 | 2333.0 |
| 20°    | 1870.3 | 2040.1 | 2120.8 | 2201.2 | 2198.6 | 2195.6 | 2182.0 | 2168.2 | 2165.8 | 2163.4 | 2198.0 |
| 22.5°  | 2061.4 | 2258.7 | 2290.9 | 2322.9 | 2248.1 | 2173.3 | 2127.7 | 2081.9 | 2072.9 | 2063.6 | 2100.3 |
| 25°    | 2285.9 | 2495.9 | 2490.1 | 2484.0 | 2341.5 | 2198.8 | 2112.0 | 2025.2 | 2015.1 | 2005.0 | 2036.4 |
| 27.5°  | 2530.0 | 2730.8 | 2692.4 | 2654.1 | 2460.5 | 2267.0 | 2141.0 | 2015.1 | 2005.0 | 1994.9 | 2022.6 |
| 30°    | 2720.9 | 2903.0 | 2841.5 | 2780.0 | 2560.9 | 2341.8 | 2192.2 | 2042.5 | 2026.0 | 2009.3 | 2043.3 |
| 32.5°  | 2882.5 | 3037.5 | 2954.9 | 2872.4 | 2642.4 | 2412.3 | 2250.5 | 2088.6 | 2062.8 | 2036.9 | 2082.5 |
| 35°    | 3050.8 | 3171.6 | 3055.6 | 2939.2 | 2715.0 | 2490.6 | 2319.4 | 2148.0 | 2116.3 | 2084.6 | 2147.2 |
| 37.5°  | 3240.1 | 3340.4 | 3173.8 | 3006.8 | 2796.8 | 2586.7 | 2422.7 | 2258.5 | 2226.0 | 2193.5 | 2273.4 |
| 40°    | 3440.0 | 3523.6 | 3301.3 | 3079.0 | 2886.2 | 2693.5 | 2565.7 | 2437.6 | 2406.7 | 2375.6 | 2472.5 |
| 42.5°  | 3614.9 | 3675.9 | 3420.0 | 3164.2 | 2994.1 | 2823.7 | 2733.7 | 2643.4 | 2643.2 | 2642.6 | 2740.9 |
| 45°    | 3746.7 | 3799.7 | 3519.1 | 3238.2 | 3099.2 | 2960.0 | 2913.1 | 2866.3 | 2903.8 | 2941.3 | 3030.3 |
| 47.5°  | 3856.1 | 3892.1 | 3602.1 | 3311.9 | 3219.6 | 3127.2 | 3134.1 | 3141.0 | 3217.4 | 3293.8 | 3351.1 |
| 50°    | 3981.2 | 3952.2 | 3677.5 | 3402.5 | 3374.0 | 3345.5 | 3407.8 | 3469.8 | 3557.7 | 3645.3 | 3684.1 |
| 52.5°  | 4116.8 | 4039.8 | 3779.7 | 3519.3 | 3551.3 | 3583.2 | 3710.0 | 3836.7 | 3925.3 | 4014.0 | 4028.6 |
| 55°    | 4360.4 | 4242.4 | 3967.7 | 3692.7 | 3754.2 | 3815.4 | 4001.5 | 4187.3 | 4256.5 | 4325.8 | 4331.1 |
| 57.5°  | 4634.9 | 4530.2 | 4231.0 | 3931.7 | 3997.8 | 4063.8 | 4278.6 | 4493.2 | 4568.0 | 4642.6 | 4632.2 |
| 60°    | 4740.5 | 4745.6 | 4481.0 | 4216.1 | 4282.6 | 4349.2 | 4558.4 | 4767.7 | 4853.7 | 4939.4 | 4916.5 |
| 62.5°  | 4634.1 | 4758.9 | 4617.5 | 4475.9 | 4536.3 | 4596.5 | 4801.5 | 5006.5 | 5094.6 | 5182.8 | 5142.8 |
| 65°    | 4423.5 | 4547.3 | 4610.6 | 4674.0 | 4694.0 | 4713.9 | 4905.3 | 5096.5 | 5164.1 | 5231.5 | 5211.2 |
| 67.5°  | 4155.6 | 4255.7 | 4489.5 | 4723.0 | 4682.8 | 4642.6 | 4732.3 | 4822.0 | 4891.5 | 4961.0 | 4949.5 |
| 70°    | 3845.5 | 3964.7 | 4276.5 | 4588.3 | 4390.7 | 4192.9 | 4155.9 | 4118.9 | 4194.0 | 4268.8 | 4222.5 |
| 72.5°  | 3289.3 | 3469.3 | 3801.8 | 4134.1 | 3770.1 | 3406.2 | 3279.7 | 3153.3 | 3248.3 | 3343.4 | 3269.6 |
| 75°    | 2484.5 | 2723.3 | 3090.7 | 3457.8 | 3023.6 | 2589.4 | 2420.6 | 2251.8 | 2333.5 | 2415.3 | 2364.7 |
| 77.5°  | 1727.9 | 2027.4 | 2389.2 | 2751.0 | 2309.6 | 1867.9 | 1742.5 | 1616.8 | 1641.3 | 1665.6 | 1657.0 |
| 80°    | 1178.1 | 1375.1 | 1627.5 | 1879.6 | 1585.7 | 1291.8 | 1301.6 | 1311.2 | 1299.7 | 1288.0 | 1305.1 |
| 82.5°  | 738.8  | 877.5  | 1072.4 | 1267.0 | 1111.0 | 955.0  | 1044.4 | 1133.9 | 1090.0 | 1045.8 | 1062.3 |
| 85°    | 416.1  | 500.8  | 691.4  | 881.8  | 821.9  | 761.7  | 814.1  | 866.3  | 798.2  | 730.0  | 760.1  |
| 87.5°  | 79.3   | 132.1  | 382.6  | 632.8  | 574.5  | 516.2  | 448.6  | 381.0  | 290.7  | 200.5  | 292.9  |
| 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    |



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 CATALOG NUMBER: GLEON-SA2A-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°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 2294.9 | 2290.4 | 2285.9 | 2269.6 | 2253.1 | 2228.6 | 2208.4 | 2173.3 | 2154.1 | 2125.1 | 2096.1 |
| 5°     | 2483.7 | 2454.9 | 2426.2 | 2376.7 | 2326.9 | 2271.5 | 2207.9 | 2137.3 | 2084.1 | 2014.9 | 1945.6 |
| 7.5°   | 2580.3 | 2513.2 | 2445.9 | 2350.8 | 2255.5 | 2169.8 | 2069.2 | 1975.4 | 1895.6 | 1805.6 | 1715.6 |
| 10°    | 2589.1 | 2488.5 | 2387.6 | 2264.0 | 2140.2 | 2036.2 | 1920.3 | 1816.2 | 1720.4 | 1617.1 | 1513.5 |
| 12.5°  | 2548.1 | 2441.1 | 2333.8 | 2197.8 | 2061.4 | 1943.2 | 1818.6 | 1702.0 | 1595.8 | 1482.1 | 1368.2 |
| 15°    | 2461.3 | 2375.9 | 2290.1 | 2162.6 | 2035.1 | 1915.8 | 1794.9 | 1656.8 | 1536.7 | 1420.4 | 1303.7 |
| 17.5°  | 2345.0 | 2304.5 | 2263.8 | 2171.7 | 2079.3 | 1976.0 | 1858.8 | 1696.7 | 1556.1 | 1429.7 | 1303.2 |
| 20°    | 2232.4 | 2247.3 | 2261.9 | 2225.2 | 2188.4 | 2105.6 | 2003.4 | 1821.3 | 1641.9 | 1476.5 | 1310.9 |
| 22.5°  | 2136.8 | 2208.4 | 2279.8 | 2308.2 | 2336.5 | 2286.7 | 2206.8 | 1996.2 | 1758.7 | 1542.8 | 1326.9 |
| 25°    | 2067.6 | 2186.3 | 2305.0 | 2399.8 | 2494.3 | 2472.2 | 2410.7 | 2208.7 | 1913.7 | 1638.4 | 1362.8 |
| 27.5°  | 2050.3 | 2195.9 | 2341.5 | 2488.5 | 2635.2 | 2655.7 | 2638.6 | 2432.6 | 2098.4 | 1757.1 | 1415.6 |
| 30°    | 2077.4 | 2224.9 | 2372.1 | 2551.0 | 2729.7 | 2811.4 | 2834.3 | 2619.2 | 2309.6 | 1895.6 | 1481.3 |
| 32.5°  | 2128.0 | 2272.6 | 2417.1 | 2612.0 | 2806.6 | 2930.2 | 3003.1 | 2789.9 | 2456.8 | 1999.9 | 1542.8 |
| 35°    | 2209.7 | 2345.0 | 2480.2 | 2683.1 | 2886.0 | 3045.7 | 3178.8 | 2966.1 | 2587.5 | 2072.9 | 1558.0 |
| 37.5°  | 2353.0 | 2469.3 | 2585.7 | 2773.1 | 2960.2 | 3167.4 | 3367.3 | 3160.2 | 2728.9 | 2143.2 | 1557.2 |
| 40°    | 2569.4 | 2651.7 | 2733.7 | 2892.1 | 3050.2 | 3310.9 | 3580.8 | 3376.6 | 2885.2 | 2219.3 | 1553.5 |
| 42.5°  | 2839.1 | 2881.4 | 2923.5 | 3048.9 | 3174.3 | 3460.8 | 3774.7 | 3588.3 | 3034.3 | 2290.1 | 1546.0 |
| 45°    | 3118.9 | 3130.1 | 3141.3 | 3220.4 | 3299.2 | 3579.5 | 3906.7 | 3747.2 | 3164.4 | 2351.6 | 1538.6 |
| 47.5°  | 3408.0 | 3369.7 | 3331.4 | 3362.8 | 3394.2 | 3670.6 | 4000.9 | 3867.8 | 3295.2 | 2419.8 | 1544.2 |
| 50°    | 3723.0 | 3616.2 | 3509.5 | 3493.0 | 3476.5 | 3761.6 | 4112.0 | 4021.2 | 3452.2 | 2519.1 | 1586.0 |
| 52.5°  | 4043.0 | 3867.0 | 3691.1 | 3625.8 | 3560.3 | 3870.2 | 4259.2 | 4212.1 | 3676.4 | 2673.0 | 1669.3 |
| 55°    | 4336.4 | 4112.5 | 3888.6 | 3800.7 | 3712.9 | 4036.4 | 4438.9 | 4492.4 | 3963.7 | 2869.7 | 1775.5 |
| 57.5°  | 4621.5 | 4367.8 | 4114.1 | 4032.6 | 3951.2 | 4280.5 | 4666.5 | 4744.0 | 4253.9 | 3058.5 | 1862.8 |
| 60°    | 4893.6 | 4642.6 | 4391.2 | 4326.0 | 4260.5 | 4584.0 | 4912.5 | 4856.1 | 4403.5 | 3146.9 | 1890.0 |
| 62.5°  | 5102.9 | 4903.2 | 4703.5 | 4669.2 | 4634.6 | 4891.0 | 5101.6 | 4812.4 | 4308.4 | 3059.8 | 1811.2 |
| 65°    | 5191.0 | 5077.3 | 4963.4 | 4995.6 | 5027.5 | 5123.1 | 5148.7 | 4684.6 | 4009.7 | 2815.9 | 1622.2 |
| 67.5°  | 4937.8 | 4961.0 | 4984.1 | 5119.4 | 5254.4 | 5188.6 | 5008.6 | 4432.8 | 3584.6 | 2470.4 | 1356.2 |
| 70°    | 4175.9 | 4314.8 | 4453.5 | 4773.6 | 5093.3 | 4947.4 | 4633.5 | 3980.7 | 3072.9 | 2072.4 | 1071.6 |
| 72.5°  | 3195.6 | 3351.9 | 3507.9 | 3982.8 | 4457.5 | 4323.1 | 3938.7 | 3269.6 | 2463.7 | 1654.9 | 845.8  |
| 75°    | 2313.8 | 2490.3 | 2666.6 | 3190.5 | 3714.5 | 3527.9 | 2946.1 | 2341.0 | 1871.4 | 1263.3 | 654.9  |
| 77.5°  | 1648.2 | 1766.5 | 1884.7 | 2402.2 | 2919.5 | 2615.5 | 1961.1 | 1575.3 | 1295.2 | 878.0  | 460.6  |
| 80°    | 1322.1 | 1285.9 | 1249.7 | 1538.0 | 1826.4 | 1775.8 | 1297.1 | 1011.7 | 896.4  | 588.4  | 280.3  |
| 82.5°  | 1078.5 | 990.1  | 901.7  | 1037.5 | 1173.3 | 1165.8 | 900.1  | 742.3  | 667.2  | 408.9  | 150.7  |
| 85°    | 789.9  | 754.5  | 719.1  | 839.2  | 959.2  | 856.7  | 609.7  | 471.8  | 520.2  | 301.1  | 82.0   |
| 87.5°  | 385.2  | 440.1  | 494.7  | 636.3  | 777.7  | 583.8  | 185.0  | 91.6   | 126.7  | 83.3   | 39.7   |
| 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: P320466  
 CATALOG NUMBER: GLEON-SA2A-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: P320466

CATALOG NUMBER: GLEON-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 2074.5 | 2052.7 | 2027.9 | 2003.1 | 1974.9 | 1946.4 | 1929.7 | 1912.6 | 1894.2 | 1875.9 | 1855.1 |
| 5°     | 1899.8 | 1854.0 | 1802.1 | 1750.2 | 1698.8 | 1647.4 | 1619.8 | 1592.1 | 1562.8 | 1533.2 | 1507.7 |
| 7.5°   | 1649.0 | 1582.2 | 1510.3 | 1438.2 | 1374.3 | 1310.1 | 1270.5 | 1230.5 | 1194.3 | 1157.8 | 1127.2 |
| 10°    | 1428.3 | 1343.1 | 1271.0 | 1198.6 | 1150.4 | 1102.2 | 1065.7 | 1029.3 | 994.1  | 958.7  | 924.9  |
| 12.5°  | 1283.0 | 1197.8 | 1152.0 | 1106.2 | 1066.3 | 1026.3 | 984.3  | 941.9  | 893.7  | 845.3  | 809.9  |
| 15°    | 1226.3 | 1148.8 | 1097.9 | 1046.8 | 993.3  | 939.5  | 887.9  | 836.2  | 779.3  | 722.3  | 682.1  |
| 17.5°  | 1201.8 | 1100.3 | 1029.3 | 957.9  | 887.4  | 816.8  | 756.9  | 697.0  | 634.7  | 572.4  | 531.7  |
| 20°    | 1176.0 | 1041.0 | 945.7  | 850.1  | 759.6  | 669.0  | 601.2  | 533.3  | 477.6  | 422.0  | 390.8  |
| 22.5°  | 1152.5 | 977.9  | 858.3  | 738.5  | 631.5  | 524.5  | 457.9  | 391.1  | 357.0  | 322.9  | 310.4  |
| 25°    | 1142.9 | 922.8  | 775.8  | 628.8  | 516.0  | 402.8  | 355.4  | 308.0  | 295.0  | 281.7  | 275.3  |
| 27.5°  | 1144.5 | 873.5  | 706.3  | 538.9  | 437.2  | 335.5  | 303.0  | 270.5  | 262.5  | 254.3  | 250.3  |
| 30°    | 1150.7 | 820.0  | 640.8  | 461.6  | 377.8  | 293.9  | 272.9  | 251.6  | 243.1  | 234.6  | 229.5  |
| 32.5°  | 1157.6 | 772.1  | 590.2  | 408.1  | 339.7  | 271.0  | 253.7  | 236.1  | 227.9  | 219.6  | 214.6  |
| 35°    | 1145.6 | 732.9  | 555.6  | 378.3  | 315.2  | 251.9  | 237.2  | 222.3  | 213.3  | 204.2  | 199.4  |
| 37.5°  | 1125.4 | 693.5  | 528.7  | 363.7  | 299.2  | 234.6  | 223.9  | 213.0  | 203.7  | 194.1  | 189.6  |
| 40°    | 1107.0 | 660.3  | 508.8  | 357.0  | 290.5  | 223.6  | 214.6  | 205.5  | 195.9  | 186.1  | 180.8  |
| 42.5°  | 1092.1 | 637.9  | 489.1  | 340.2  | 282.5  | 224.4  | 211.7  | 198.6  | 189.3  | 180.0  | 174.1  |
| 45°    | 1080.9 | 623.3  | 473.6  | 324.0  | 275.0  | 226.0  | 209.8  | 193.6  | 184.2  | 174.6  | 167.7  |
| 47.5°  | 1079.8 | 615.5  | 462.7  | 309.9  | 260.9  | 211.7  | 205.0  | 198.3  | 184.8  | 170.9  | 162.9  |
| 50°    | 1094.5 | 603.0  | 449.9  | 296.6  | 247.3  | 198.1  | 207.1  | 215.9  | 192.8  | 169.3  | 159.2  |
| 52.5°  | 1125.1 | 580.9  | 429.7  | 278.5  | 230.8  | 182.9  | 197.0  | 210.9  | 190.9  | 170.7  | 157.6  |
| 55°    | 1162.1 | 548.4  | 399.1  | 249.5  | 209.0  | 168.3  | 180.8  | 193.0  | 180.5  | 167.7  | 152.0  |
| 57.5°  | 1185.3 | 507.4  | 360.5  | 213.5  | 184.5  | 155.5  | 162.7  | 169.6  | 164.5  | 159.5  | 143.5  |
| 60°    | 1171.4 | 452.9  | 317.1  | 181.0  | 162.9  | 144.8  | 143.5  | 141.9  | 149.4  | 156.8  | 138.4  |
| 62.5°  | 1103.8 | 396.4  | 278.7  | 161.1  | 147.5  | 133.6  | 130.7  | 127.5  | 139.8  | 151.8  | 132.3  |
| 65°    | 989.6  | 357.0  | 254.5  | 152.0  | 136.8  | 121.7  | 118.5  | 115.3  | 119.0  | 122.7  | 113.7  |
| 67.5°  | 844.5  | 332.8  | 240.7  | 148.6  | 130.2  | 111.6  | 107.8  | 104.1  | 103.3  | 102.5  | 99.3   |
| 70°    | 694.9  | 317.9  | 231.6  | 145.4  | 123.0  | 100.4  | 96.9   | 93.4   | 92.4   | 91.1   | 88.7   |
| 72.5°  | 580.9  | 316.0  | 230.6  | 145.1  | 117.1  | 89.2   | 86.0   | 82.8   | 81.5   | 79.9   | 78.0   |
| 75°    | 475.8  | 296.6  | 218.8  | 141.1  | 109.2  | 76.9   | 74.0   | 71.1   | 70.0   | 68.7   | 67.1   |
| 77.5°  | 353.0  | 245.5  | 184.0  | 122.5  | 93.4   | 64.4   | 61.5   | 58.3   | 58.0   | 57.5   | 56.2   |
| 80°    | 229.0  | 177.6  | 131.5  | 85.5   | 68.2   | 50.6   | 48.2   | 45.5   | 45.8   | 46.1   | 45.0   |
| 82.5°  | 127.3  | 103.6  | 80.4   | 57.2   | 46.6   | 35.9   | 34.9   | 33.5   | 34.3   | 34.9   | 33.5   |
| 85°    | 67.1   | 52.2   | 43.1   | 34.1   | 26.9   | 19.7   | 19.7   | 19.4   | 20.5   | 21.6   | 20.5   |
| 87.5°  | 29.0   | 18.4   | 15.7   | 12.8   | 7.2    | 1.3    | 1.6    | 1.6    | 2.1    | 2.7    | 2.4    |
| 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: P320466  
 CATALOG NUMBER: GLEON-SA2A-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  |

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CATALOG NUMBER: GLEON-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 1834.1 | 1814.6 | 1794.9 | 1773.4 | 1777.4 | 1760.9 | 1744.4 | 1734.0 | 1723.6 | 1720.4 | 1717.2 |
| 5°     | 1482.1 | 1460.0 | 1437.7 | 1417.7 | 1435.0 | 1423.3 | 1411.6 | 1410.0 | 1408.1 | 1408.1 | 1407.8 |
| 7.5°   | 1096.6 | 1072.9 | 1049.0 | 1032.5 | 1049.5 | 1047.4 | 1045.2 | 1056.7 | 1068.1 | 1077.4 | 1086.5 |
| 10°    | 891.1  | 862.3  | 833.3  | 808.8  | 804.6  | 792.3  | 779.8  | 782.5  | 784.9  | 795.0  | 805.1  |
| 12.5°  | 774.5  | 740.1  | 705.8  | 677.0  | 664.0  | 643.8  | 623.3  | 610.5  | 597.7  | 599.0  | 600.1  |
| 15°    | 641.6  | 608.3  | 574.8  | 550.0  | 541.8  | 526.1  | 510.4  | 494.4  | 478.2  | 471.5  | 464.6  |
| 17.5°  | 490.7  | 464.0  | 437.2  | 420.6  | 420.6  | 416.1  | 411.6  | 403.6  | 395.4  | 388.7  | 381.8  |
| 20°    | 359.7  | 345.6  | 331.2  | 324.3  | 326.4  | 326.7  | 326.7  | 330.7  | 334.7  | 332.5  | 330.4  |
| 22.5°  | 297.6  | 292.6  | 287.5  | 284.6  | 285.7  | 285.9  | 286.2  | 289.9  | 293.4  | 296.1  | 298.4  |
| 25°    | 268.6  | 265.4  | 262.2  | 261.2  | 263.6  | 263.8  | 263.8  | 266.2  | 268.6  | 271.3  | 274.0  |
| 27.5°  | 246.0  | 244.7  | 243.3  | 241.5  | 243.9  | 243.9  | 243.6  | 246.3  | 248.7  | 251.1  | 253.2  |
| 30°    | 224.4  | 225.0  | 225.2  | 224.7  | 226.3  | 227.4  | 228.2  | 230.0  | 231.6  | 233.5  | 235.3  |
| 32.5°  | 209.3  | 208.5  | 207.7  | 207.1  | 210.6  | 212.5  | 214.3  | 216.2  | 217.8  | 218.6  | 219.4  |
| 35°    | 194.6  | 192.8  | 190.9  | 189.6  | 192.8  | 195.1  | 197.5  | 201.0  | 204.2  | 204.7  | 205.3  |
| 37.5°  | 184.8  | 182.4  | 180.0  | 178.4  | 179.7  | 180.8  | 181.8  | 185.6  | 189.3  | 191.4  | 193.3  |
| 40°    | 175.4  | 173.1  | 170.7  | 169.3  | 170.1  | 170.4  | 170.7  | 172.5  | 174.1  | 178.1  | 181.8  |
| 42.5°  | 168.0  | 165.1  | 162.1  | 160.5  | 161.1  | 161.6  | 161.9  | 161.6  | 161.3  | 165.1  | 168.8  |
| 45°    | 160.5  | 157.3  | 154.1  | 152.3  | 152.6  | 152.6  | 152.6  | 152.0  | 151.2  | 153.1  | 154.9  |
| 47.5°  | 154.7  | 151.0  | 147.2  | 145.4  | 144.8  | 144.3  | 143.8  | 143.5  | 143.0  | 144.3  | 145.4  |
| 50°    | 148.8  | 144.8  | 140.6  | 138.4  | 137.1  | 136.6  | 136.0  | 135.8  | 135.2  | 136.6  | 137.6  |
| 52.5°  | 144.3  | 139.5  | 134.7  | 131.3  | 129.9  | 129.1  | 128.3  | 128.6  | 128.6  | 129.1  | 129.4  |
| 55°    | 136.3  | 132.1  | 127.5  | 125.1  | 122.7  | 122.2  | 121.7  | 122.5  | 123.0  | 123.0  | 123.0  |
| 57.5°  | 127.5  | 123.5  | 119.3  | 117.7  | 115.5  | 115.5  | 115.3  | 116.3  | 117.1  | 117.7  | 118.2  |
| 60°    | 119.8  | 115.3  | 110.8  | 109.4  | 108.6  | 108.4  | 108.1  | 109.4  | 110.5  | 111.6  | 112.6  |
| 62.5°  | 112.6  | 107.8  | 103.0  | 101.4  | 101.2  | 101.4  | 101.4  | 102.8  | 103.8  | 104.9  | 106.0  |
| 65°    | 104.6  | 99.8   | 94.8   | 93.2   | 93.7   | 94.5   | 95.3   | 96.4   | 97.2   | 98.2   | 99.3   |
| 67.5°  | 95.8   | 91.9   | 87.6   | 86.0   | 86.3   | 87.3   | 88.4   | 89.2   | 89.7   | 90.8   | 91.9   |
| 70°    | 86.3   | 82.8   | 79.3   | 78.3   | 78.0   | 79.3   | 80.4   | 80.9   | 81.5   | 82.8   | 83.9   |
| 72.5°  | 75.9   | 72.9   | 70.0   | 69.2   | 69.5   | 70.3   | 71.1   | 71.9   | 72.4   | 73.7   | 74.8   |
| 75°    | 65.2   | 62.6   | 59.9   | 59.4   | 59.9   | 60.7   | 61.5   | 62.0   | 62.6   | 64.2   | 65.5   |
| 77.5°  | 54.8   | 51.9   | 48.7   | 48.5   | 49.3   | 50.1   | 50.6   | 51.4   | 52.2   | 54.3   | 56.4   |
| 80°    | 43.9   | 40.7   | 37.3   | 37.0   | 37.8   | 38.6   | 39.4   | 40.2   | 41.0   | 43.7   | 46.1   |
| 82.5°  | 32.2   | 28.5   | 24.8   | 24.2   | 26.9   | 27.7   | 28.5   | 29.8   | 30.9   | 33.3   | 35.7   |
| 85°    | 19.4   | 15.7   | 12.0   | 11.7   | 14.1   | 15.4   | 16.8   | 18.4   | 19.7   | 21.8   | 24.0   |
| 87.5°  | 2.1    | 1.1    | 0.0    | 0.0    | 0.3    | 1.3    | 2.4    | 3.7    | 5.1    | 7.2    | 9.1    |
| 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: P320466  
 CATALOG NUMBER: GLEON-SA2A-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-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 1705.5 | 1693.5 | 1705.8 | 1717.7 | 1722.8 | 1727.9 | 1714.8 | 1701.5 | 1722.3 | 1742.8 | 1748.1 |
| 5°     | 1397.2 | 1386.3 | 1394.5 | 1402.5 | 1384.7 | 1366.8 | 1365.0 | 1362.8 | 1378.3 | 1393.7 | 1396.1 |
| 7.5°   | 1083.0 | 1079.6 | 1087.3 | 1095.0 | 1072.4 | 1049.5 | 1038.3 | 1027.1 | 1030.9 | 1034.6 | 1034.0 |
| 10°    | 807.5  | 809.6  | 819.2  | 828.5  | 810.9  | 793.4  | 785.7  | 777.9  | 786.5  | 794.7  | 802.4  |
| 12.5°  | 604.9  | 609.4  | 619.5  | 629.4  | 622.2  | 614.7  | 615.5  | 616.3  | 626.2  | 635.8  | 644.3  |
| 15°    | 469.9  | 475.2  | 482.4  | 489.3  | 489.6  | 489.6  | 496.5  | 503.2  | 502.4  | 501.6  | 507.4  |
| 17.5°  | 389.0  | 395.9  | 396.7  | 397.5  | 397.8  | 398.0  | 397.5  | 397.0  | 393.0  | 389.0  | 393.5  |
| 20°    | 333.1  | 335.5  | 337.6  | 339.4  | 337.1  | 334.4  | 327.7  | 321.1  | 318.4  | 315.8  | 320.0  |
| 22.5°  | 303.0  | 307.2  | 305.1  | 302.7  | 297.9  | 292.9  | 287.8  | 282.5  | 282.2  | 281.7  | 284.1  |
| 25°    | 277.7  | 281.1  | 277.4  | 273.7  | 270.2  | 266.8  | 263.3  | 259.8  | 259.6  | 259.3  | 260.4  |
| 27.5°  | 256.6  | 259.8  | 256.4  | 252.9  | 250.0  | 247.1  | 244.4  | 241.7  | 241.2  | 240.7  | 240.9  |
| 30°    | 238.5  | 241.5  | 238.5  | 235.3  | 233.2  | 230.8  | 229.0  | 227.1  | 226.8  | 226.6  | 226.6  |
| 32.5°  | 222.3  | 225.2  | 223.1  | 221.0  | 219.1  | 217.2  | 215.9  | 214.6  | 213.3  | 211.9  | 209.0  |
| 35°    | 208.2  | 211.1  | 209.8  | 208.2  | 206.1  | 203.9  | 201.5  | 198.9  | 195.4  | 191.7  | 190.1  |
| 37.5°  | 196.2  | 199.1  | 197.8  | 196.5  | 193.6  | 190.6  | 186.4  | 181.8  | 180.8  | 179.4  | 179.2  |
| 40°    | 186.6  | 191.2  | 188.5  | 185.6  | 181.0  | 176.5  | 174.4  | 172.3  | 171.7  | 171.2  | 170.7  |
| 42.5°  | 176.0  | 182.9  | 178.1  | 173.3  | 169.1  | 164.8  | 164.3  | 163.7  | 163.5  | 163.2  | 163.2  |
| 45°    | 162.7  | 170.1  | 165.3  | 160.3  | 157.9  | 155.5  | 155.5  | 155.5  | 155.7  | 155.7  | 156.3  |
| 47.5°  | 150.2  | 154.7  | 152.3  | 149.9  | 148.6  | 147.2  | 147.5  | 147.8  | 148.6  | 149.1  | 150.4  |
| 50°    | 139.5  | 141.1  | 141.6  | 141.9  | 141.1  | 140.3  | 140.8  | 141.1  | 141.9  | 142.4  | 143.5  |
| 52.5°  | 131.8  | 134.2  | 134.2  | 133.9  | 133.9  | 133.9  | 134.4  | 135.0  | 135.8  | 136.6  | 137.6  |
| 55°    | 126.7  | 130.2  | 129.1  | 128.1  | 128.3  | 128.3  | 128.9  | 129.4  | 130.2  | 130.7  | 132.3  |
| 57.5°  | 121.9  | 125.7  | 124.6  | 123.5  | 123.5  | 123.5  | 123.8  | 124.1  | 124.9  | 125.4  | 126.5  |
| 60°    | 116.3  | 120.1  | 119.0  | 117.7  | 117.9  | 118.2  | 118.5  | 118.5  | 119.0  | 119.3  | 119.3  |
| 62.5°  | 109.7  | 113.4  | 112.4  | 111.0  | 111.8  | 112.4  | 112.4  | 112.4  | 112.9  | 113.1  | 112.4  |
| 65°    | 102.8  | 106.2  | 105.2  | 104.1  | 105.2  | 106.0  | 106.5  | 106.8  | 106.5  | 106.2  | 105.4  |
| 67.5°  | 95.3   | 98.8   | 97.7   | 96.4   | 97.7   | 98.8   | 99.8   | 100.6  | 99.8   | 99.0   | 98.0   |
| 70°    | 87.3   | 90.8   | 89.5   | 88.1   | 89.5   | 90.8   | 91.9   | 92.9   | 91.9   | 90.8   | 90.5   |
| 72.5°  | 78.8   | 82.8   | 81.2   | 79.6   | 81.2   | 82.8   | 83.3   | 83.9   | 83.1   | 82.3   | 81.7   |
| 75°    | 69.5   | 73.5   | 72.1   | 70.6   | 71.9   | 73.2   | 73.5   | 73.7   | 73.7   | 73.5   | 71.9   |
| 77.5°  | 59.6   | 62.8   | 62.0   | 61.2   | 62.0   | 62.8   | 62.8   | 62.8   | 63.1   | 63.1   | 61.0   |
| 80°    | 47.9   | 49.8   | 50.1   | 50.3   | 50.6   | 50.9   | 50.6   | 50.3   | 49.8   | 49.3   | 47.9   |
| 82.5°  | 35.7   | 35.7   | 37.8   | 39.7   | 39.7   | 39.4   | 39.1   | 38.6   | 37.5   | 36.2   | 33.3   |
| 85°    | 22.6   | 21.3   | 24.8   | 28.0   | 28.0   | 27.7   | 27.2   | 26.4   | 24.2   | 21.8   | 19.4   |
| 87.5°  | 7.7    | 6.4    | 9.9    | 13.3   | 13.6   | 13.6   | 13.0   | 12.5   | 10.4   | 8.0    | 6.1    |
| 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-SA2A-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: P320466

CATALOG NUMBER: GLEON-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 1756.1 | 1759.5 | 1762.7 | 1788.8 | 1814.6 | 1845.0 | 1875.3 | 1898.5 | 1921.4 | 1945.1 | 1968.8 |
| 5°     | 1404.4 | 1408.6 | 1412.9 | 1444.6 | 1476.0 | 1518.3 | 1560.7 | 1597.1 | 1633.6 | 1676.5 | 1719.3 |
| 7.5°   | 1041.0 | 1050.3 | 1059.3 | 1093.2 | 1126.7 | 1172.2 | 1217.5 | 1265.1 | 1312.5 | 1368.4 | 1424.3 |
| 10°    | 817.6  | 835.2  | 852.5  | 887.1  | 921.7  | 966.7  | 1011.4 | 1061.2 | 1111.0 | 1166.1 | 1220.9 |
| 12.5°  | 661.9  | 685.3  | 708.4  | 750.0  | 791.5  | 845.3  | 898.8  | 954.2  | 1009.3 | 1057.7 | 1106.2 |
| 15°    | 522.9  | 548.4  | 573.7  | 617.7  | 661.6  | 720.7  | 779.5  | 840.0  | 900.1  | 958.2  | 1016.2 |
| 17.5°  | 407.9  | 428.9  | 449.7  | 486.9  | 523.9  | 581.2  | 638.4  | 701.8  | 765.2  | 836.0  | 906.5  |
| 20°    | 329.1  | 337.8  | 346.6  | 373.5  | 400.1  | 446.7  | 493.1  | 557.8  | 622.5  | 707.1  | 791.8  |
| 22.5°  | 288.3  | 292.9  | 297.1  | 310.2  | 322.9  | 353.0  | 382.8  | 440.1  | 497.1  | 589.4  | 681.6  |
| 25°    | 263.8  | 267.3  | 270.8  | 279.3  | 287.8  | 302.2  | 316.6  | 356.8  | 397.0  | 487.7  | 578.3  |
| 27.5°  | 241.7  | 247.1  | 252.1  | 256.1  | 259.8  | 269.7  | 279.3  | 305.6  | 332.0  | 416.7  | 501.1  |
| 30°    | 225.8  | 227.6  | 229.5  | 235.6  | 241.5  | 251.6  | 261.7  | 280.1  | 298.4  | 370.1  | 441.4  |
| 32.5°  | 207.1  | 209.8  | 212.5  | 218.8  | 225.2  | 234.6  | 243.9  | 258.8  | 273.4  | 334.7  | 395.6  |
| 35°    | 190.4  | 193.0  | 195.7  | 202.1  | 208.2  | 218.3  | 228.2  | 240.7  | 252.9  | 306.2  | 359.4  |
| 37.5°  | 180.0  | 182.6  | 185.3  | 190.9  | 196.2  | 206.3  | 216.2  | 226.0  | 235.6  | 284.9  | 334.1  |
| 40°    | 171.2  | 173.9  | 176.5  | 181.8  | 186.9  | 196.7  | 206.3  | 214.6  | 222.8  | 268.9  | 315.0  |
| 42.5°  | 163.5  | 166.4  | 169.3  | 174.6  | 179.7  | 188.5  | 197.3  | 208.2  | 218.8  | 255.1  | 291.0  |
| 45°    | 157.1  | 160.0  | 162.7  | 168.5  | 174.4  | 182.9  | 191.4  | 206.6  | 221.8  | 247.9  | 274.0  |
| 47.5°  | 151.2  | 154.4  | 157.3  | 163.7  | 170.1  | 180.8  | 191.2  | 203.9  | 216.4  | 242.3  | 268.1  |
| 50°    | 145.6  | 149.4  | 153.1  | 160.8  | 168.3  | 186.1  | 203.7  | 205.5  | 207.1  | 237.7  | 268.1  |
| 52.5°  | 140.3  | 144.6  | 148.8  | 158.4  | 167.7  | 188.5  | 209.3  | 202.6  | 195.7  | 229.2  | 262.8  |
| 55°    | 135.0  | 138.7  | 142.2  | 153.9  | 165.6  | 180.8  | 195.9  | 187.2  | 178.1  | 213.3  | 248.4  |
| 57.5°  | 127.8  | 131.8  | 135.5  | 148.0  | 160.5  | 171.2  | 181.6  | 173.6  | 165.3  | 195.1  | 224.7  |
| 60°    | 120.3  | 124.9  | 129.4  | 145.4  | 161.1  | 159.2  | 157.1  | 155.5  | 153.6  | 174.9  | 196.2  |
| 62.5°  | 113.7  | 118.5  | 123.3  | 144.0  | 164.8  | 152.0  | 139.2  | 140.6  | 141.6  | 157.3  | 173.1  |
| 65°    | 107.0  | 111.8  | 116.3  | 126.7  | 137.1  | 132.1  | 127.0  | 129.1  | 131.0  | 146.4  | 161.9  |
| 67.5°  | 99.6   | 103.8  | 107.8  | 111.3  | 114.7  | 115.3  | 115.8  | 117.9  | 120.1  | 138.4  | 156.5  |
| 70°    | 91.3   | 94.8   | 98.2   | 100.6  | 102.8  | 103.8  | 104.6  | 107.3  | 110.0  | 129.9  | 149.9  |
| 72.5°  | 82.0   | 84.9   | 87.6   | 89.7   | 91.9   | 92.6   | 93.2   | 95.8   | 98.5   | 119.8  | 141.1  |
| 75°    | 71.9   | 74.3   | 76.4   | 78.3   | 80.1   | 81.2   | 82.3   | 84.1   | 86.0   | 109.2  | 132.1  |
| 77.5°  | 60.7   | 63.1   | 65.2   | 66.8   | 68.2   | 69.2   | 70.0   | 72.4   | 74.8   | 94.2   | 113.4  |
| 80°    | 47.4   | 50.3   | 53.0   | 54.3   | 55.4   | 55.6   | 55.6   | 57.8   | 59.9   | 73.7   | 87.3   |
| 82.5°  | 33.5   | 36.7   | 39.7   | 40.7   | 41.8   | 41.8   | 41.8   | 44.2   | 46.6   | 55.9   | 65.0   |
| 85°    | 19.7   | 23.2   | 26.4   | 27.4   | 28.5   | 29.0   | 29.3   | 30.4   | 31.1   | 37.8   | 44.2   |
| 87.5°  | 6.1    | 9.1    | 11.7   | 12.2   | 12.8   | 13.8   | 14.9   | 15.2   | 15.2   | 19.7   | 24.2   |
| 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-SA2A-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  |

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CATALOG NUMBER: GLEON-SA2A-830-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 | 2028.7 |
| 2.5°   | 1995.9 | 2023.1 | 2054.8 | 2086.2 | 2113.1 | 2140.0 | 2162.3 |
| 5°     | 1773.9 | 1828.5 | 1895.3 | 1961.9 | 2021.2 | 2080.6 | 2149.6 |
| 7.5°   | 1494.9 | 1565.5 | 1652.0 | 1738.5 | 1822.4 | 1906.0 | 2011.9 |
| 10°    | 1292.8 | 1364.4 | 1456.0 | 1547.3 | 1641.6 | 1735.6 | 1855.4 |
| 12.5°  | 1164.5 | 1222.5 | 1311.2 | 1399.9 | 1510.6 | 1621.1 | 1736.4 |
| 15°    | 1079.8 | 1143.2 | 1229.5 | 1315.7 | 1436.9 | 1558.0 | 1690.6 |
| 17.5°  | 989.6  | 1072.4 | 1182.9 | 1293.4 | 1436.9 | 1580.1 | 1736.4 |
| 20°    | 895.1  | 998.1  | 1141.3 | 1284.6 | 1477.9 | 1670.9 | 1870.3 |
| 22.5°  | 800.8  | 920.1  | 1103.8 | 1287.2 | 1539.9 | 1792.3 | 2061.4 |
| 25°    | 715.9  | 853.5  | 1080.9 | 1308.0 | 1630.1 | 1952.0 | 2285.9 |
| 27.5°  | 651.5  | 801.6  | 1071.6 | 1341.3 | 1744.6 | 2148.0 | 2530.0 |
| 30°    | 594.2  | 747.0  | 1060.4 | 1373.8 | 1854.8 | 2335.7 | 2720.9 |
| 32.5°  | 544.7  | 693.8  | 1038.8 | 1383.6 | 1931.8 | 2480.0 | 2882.5 |
| 35°    | 505.8  | 652.3  | 1002.6 | 1353.0 | 1980.0 | 2607.0 | 3050.8 |
| 37.5°  | 472.3  | 610.5  | 961.4  | 1312.3 | 2022.8 | 2733.4 | 3240.1 |
| 40°    | 440.3  | 565.7  | 926.0  | 1285.9 | 2081.9 | 2878.0 | 3440.0 |
| 42.5°  | 410.0  | 529.0  | 897.5  | 1265.9 | 2136.8 | 3007.4 | 3614.9 |
| 45°    | 387.4  | 500.8  | 872.2  | 1243.3 | 2172.2 | 3101.1 | 3746.7 |
| 47.5°  | 376.2  | 484.0  | 858.6  | 1232.9 | 2207.6 | 3182.0 | 3856.1 |
| 50°    | 374.6  | 481.1  | 874.0  | 1267.0 | 2284.3 | 3301.3 | 3981.2 |
| 52.5°  | 374.3  | 485.9  | 918.5  | 1351.1 | 2426.7 | 3502.0 | 4116.8 |
| 55°    | 368.7  | 488.8  | 971.5  | 1453.9 | 2617.9 | 3781.6 | 4360.4 |
| 57.5°  | 351.7  | 478.7  | 1026.1 | 1573.2 | 2819.9 | 4066.4 | 4634.9 |
| 60°    | 325.3  | 454.2  | 1071.1 | 1687.7 | 2955.7 | 4223.5 | 4740.5 |
| 62.5°  | 292.3  | 411.3  | 1086.0 | 1760.3 | 2952.0 | 4143.7 | 4634.1 |
| 65°    | 264.1  | 366.3  | 1037.0 | 1707.4 | 2802.6 | 3897.7 | 4423.5 |
| 67.5°  | 239.1  | 321.3  | 914.5  | 1507.4 | 2534.0 | 3560.3 | 4155.6 |
| 70°    | 221.0  | 291.8  | 756.6  | 1221.5 | 2197.8 | 3173.8 | 3845.5 |
| 72.5°  | 209.5  | 277.7  | 616.9  | 955.8  | 1783.5 | 2610.9 | 3289.3 |
| 75°    | 193.8  | 255.6  | 484.0  | 712.2  | 1365.0 | 2017.8 | 2484.5 |
| 77.5°  | 164.5  | 215.4  | 364.7  | 514.1  | 1001.6 | 1488.8 | 1727.9 |
| 80°    | 127.0  | 166.4  | 250.8  | 335.2  | 689.3  | 1043.4 | 1178.1 |
| 82.5°  | 90.5   | 116.1  | 152.0  | 188.0  | 457.9  | 727.6  | 738.8  |
| 85°    | 55.9   | 67.6   | 87.1   | 106.5  | 303.0  | 499.5  | 416.1  |
| 87.5°  | 30.1   | 35.9   | 46.1   | 55.9   | 96.9   | 137.9  | 79.3   |
| 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: P320466  
 CATALOG NUMBER: GLEON-SA2A-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  
 Rf: 81.5  
 Rg: 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

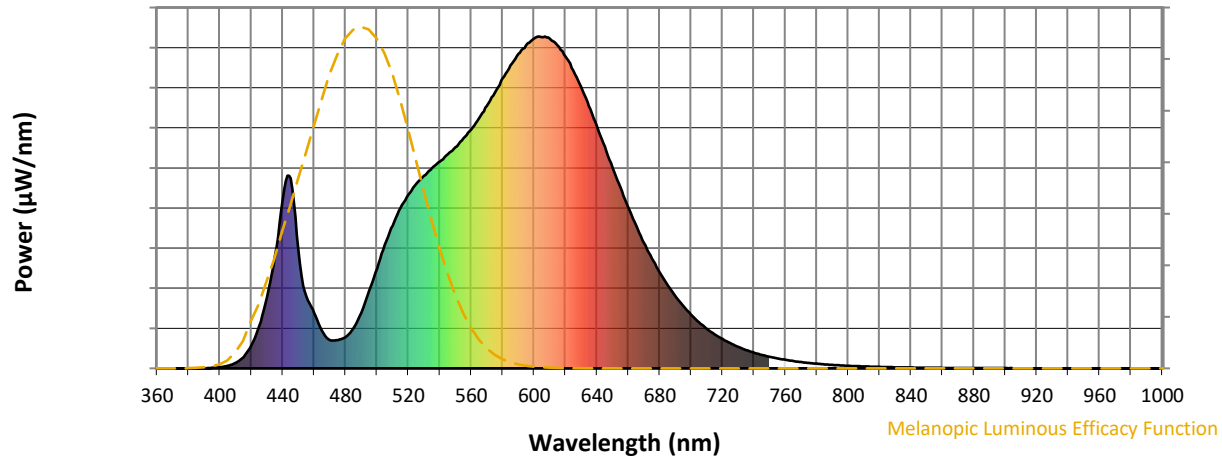


Scotopic Lumens: NR

S/P: 1.27

| λ<br>(nm) | Power<br>W <sup>Λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>Λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>Λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>Λ</sup> /nm | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>W <sup>Λ</sup> /nm | Lumens<br>(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

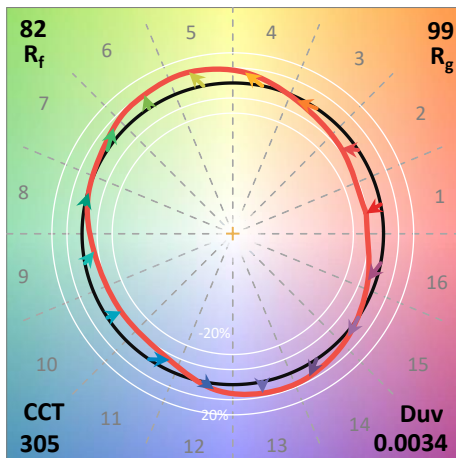
TM-30-18

### 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)