

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: P320772

Luminaire Tested: **GLEON-SA8C-827-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320772  
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-SA8C-827-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 36621 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

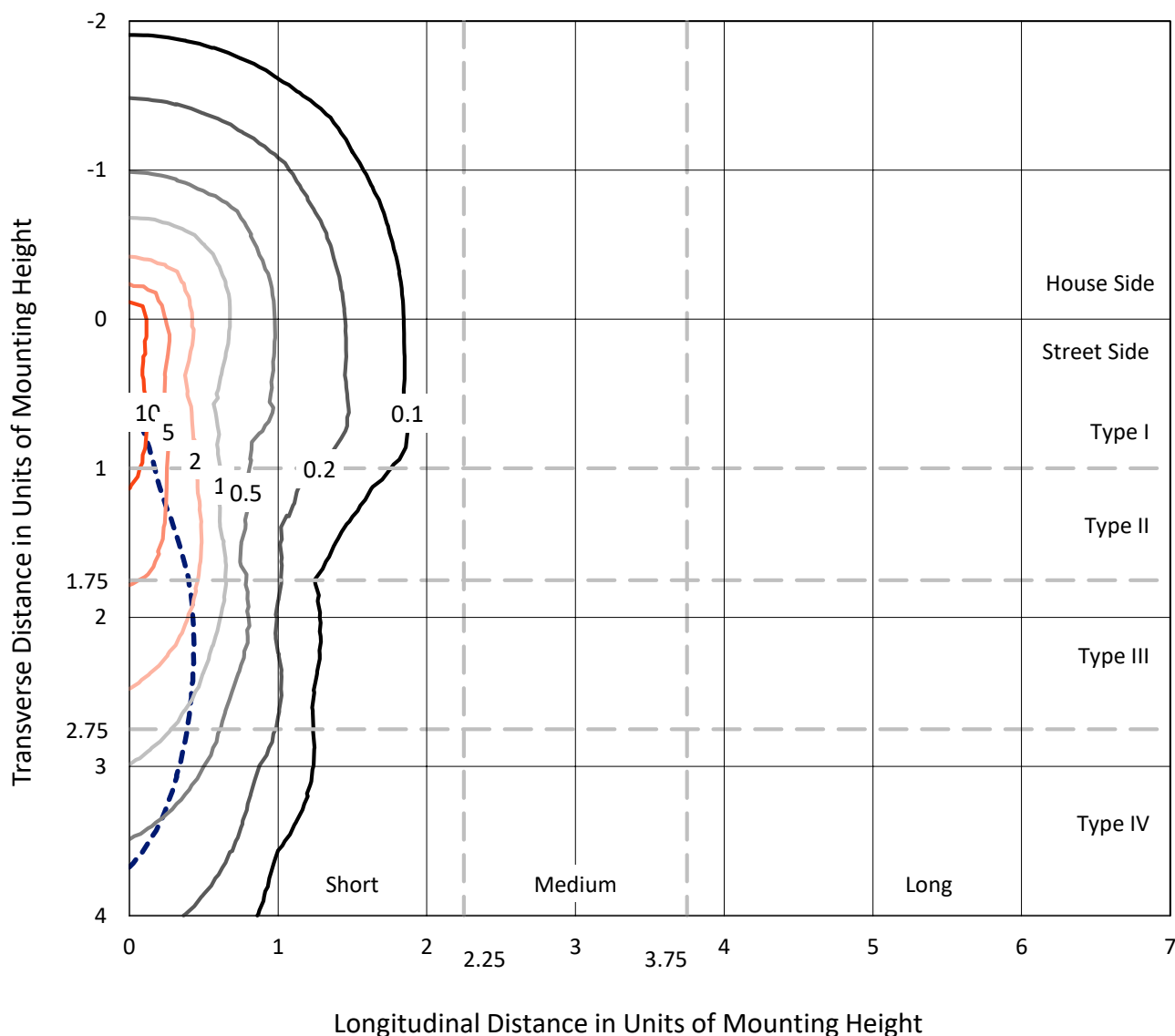
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

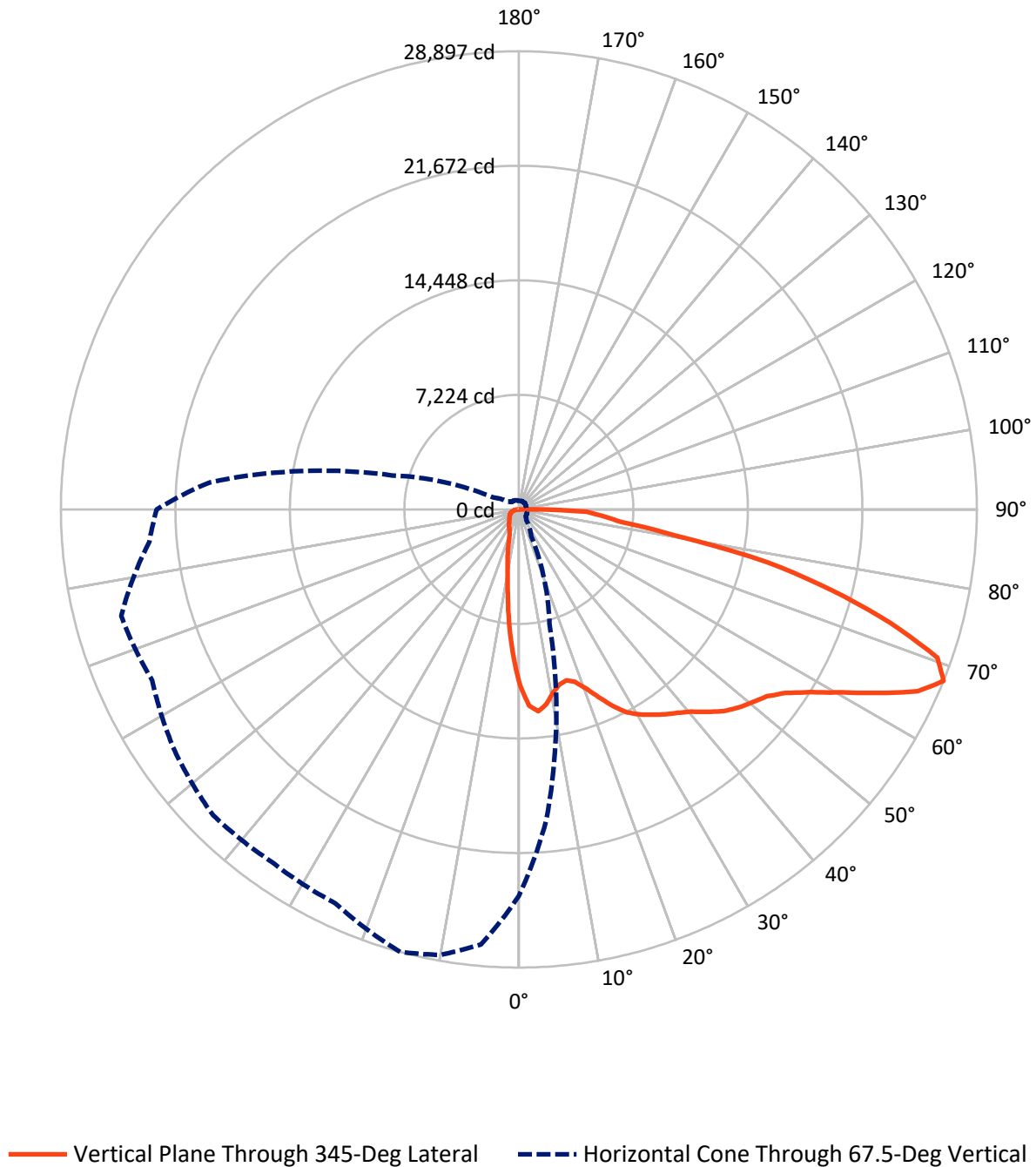
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.9 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6331.0   | 0.0    | 6331.0  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 30290.0  | 0.0    | 30290.0 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 36621.0  | 0.0    | 36621.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 861.1   | 2.4       |
| 10°-20°   | 1788.7  | 4.9       |
| 20°-30°   | 2544.0  | 6.9       |
| 30°-40°   | 3665.9  | 10.0      |
| 40°-50°   | 5166.3  | 14.1      |
| 50°-60°   | 7182.0  | 19.6      |
| 60°-70°   | 8685.2  | 23.7      |
| 70°-80°   | 5338.6  | 14.6      |
| 80°-90°   | 1389.2  | 3.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 36621.0 | 100.0     |
| 0°-180°   | 36621.0 | 100.0     |

**Coefficient of Utilization**



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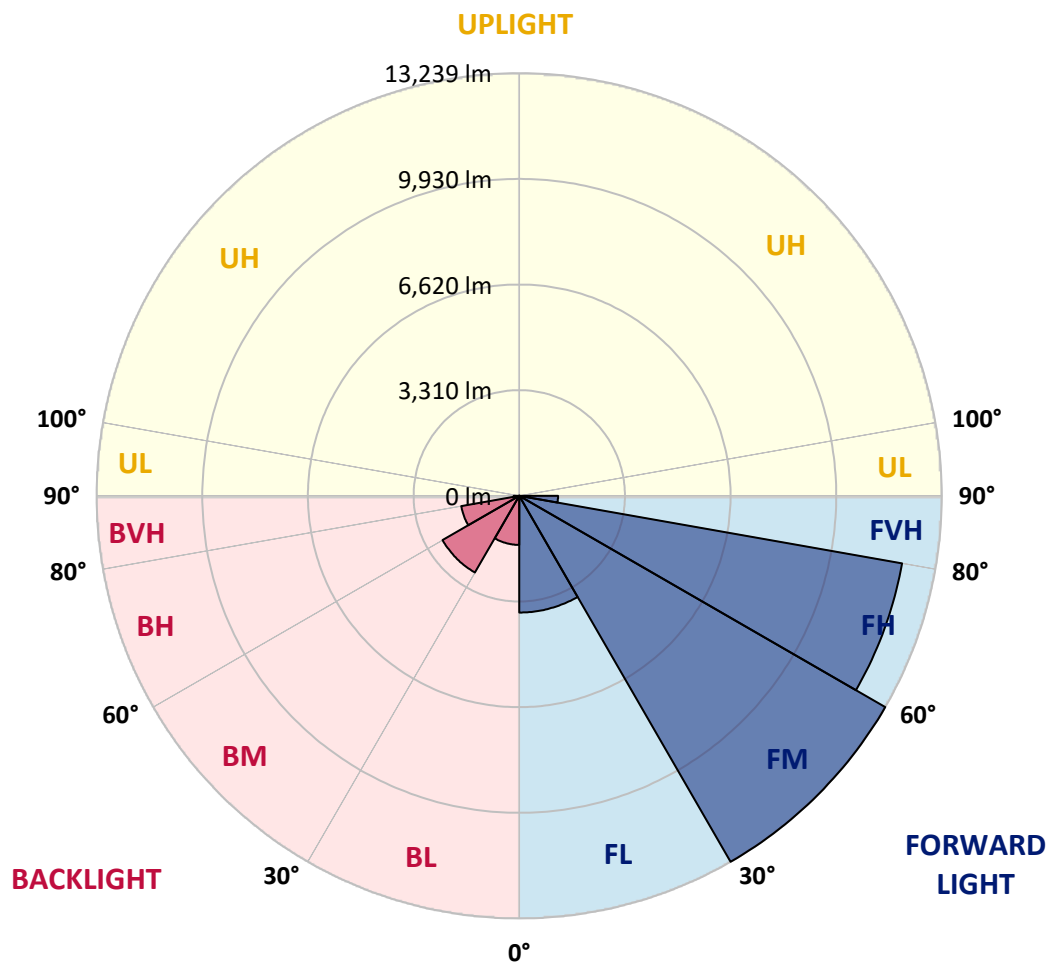
CATALOG NUMBER: GLEON-SA8C-827-U-SLR

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 3656.7  | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 13239.4 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 12178.9 | 33.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 1215.0  | 3.3       |                         |      | G5      |
| BL   | (0°-30°)    | 1537.1  | 4.2       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 2774.8  | 7.6       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 1845.0  | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 174.1   | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G5**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 11951.9 | 11846.5 | 11686.9 | 11527.3 | 11408.7 | 11288.6 | 11152.4 | 11016.3 | 10861.1 | 10704.4 | 10612.2 |
| 5°     | 11754.2 | 11461.4 | 11080.7 | 10700.0 | 10448.2 | 10196.4 | 9910.8  | 9625.3  | 9342.8  | 9060.2  | 8907.9  |
| 7.5°   | 10864.0 | 10424.8 | 9929.9  | 9435.0  | 9069.0  | 8701.5  | 8306.1  | 7909.4  | 7558.0  | 7205.1  | 6986.9  |
| 10°    | 9988.4  | 9461.4  | 8893.3  | 8323.7  | 7855.2  | 7386.6  | 6989.9  | 6591.6  | 6326.6  | 6061.6  | 5861.0  |
| 12.5°  | 9360.3  | 8776.1  | 8150.9  | 7524.3  | 7055.8  | 6587.2  | 6335.4  | 6083.6  | 5863.9  | 5644.3  | 5413.0  |
| 15°    | 9111.4  | 8451.1  | 7811.3  | 7170.0  | 6743.9  | 6317.8  | 6038.2  | 5757.0  | 5462.8  | 5167.0  | 4882.9  |
| 17.5°  | 9331.0  | 8558.0  | 7862.5  | 7167.0  | 6609.2  | 6051.3  | 5660.4  | 5268.0  | 4880.0  | 4492.0  | 4162.6  |
| 20°    | 10016.3 | 9029.4  | 8120.2  | 7209.5  | 6467.2  | 5724.8  | 5200.7  | 4675.0  | 4177.2  | 3679.4  | 3306.1  |
| 22.5°  | 10978.2 | 9672.2  | 8484.8  | 7297.3  | 6338.3  | 5377.8  | 4720.4  | 4061.6  | 3473.0  | 2884.4  | 2518.3  |
| 25°    | 12146.6 | 10524.3 | 9010.4  | 7495.0  | 6285.6  | 5074.8  | 4266.5  | 3458.3  | 2837.5  | 2215.3  | 1954.6  |
| 27.5°  | 13378.0 | 11540.4 | 9663.4  | 7784.9  | 6294.4  | 4803.9  | 3884.4  | 2963.4  | 2404.1  | 1844.8  | 1666.2  |
| 30°    | 14404.3 | 12701.5 | 10424.8 | 8146.5  | 6328.1  | 4509.6  | 3524.2  | 2538.8  | 2077.6  | 1616.4  | 1500.8  |
| 32.5°  | 15342.9 | 13511.2 | 10998.7 | 8484.8  | 6366.1  | 4246.0  | 3246.0  | 2244.5  | 1868.3  | 1490.5  | 1395.3  |
| 35°    | 16312.1 | 14230.1 | 11399.9 | 8568.2  | 6300.2  | 4030.8  | 3055.7  | 2080.6  | 1733.6  | 1385.1  | 1304.6  |
| 37.5°  | 17379.5 | 15007.6 | 11786.4 | 8563.8  | 6189.0  | 3814.1  | 2907.8  | 2000.0  | 1645.7  | 1289.9  | 1231.4  |
| 40°    | 18569.8 | 15867.0 | 12205.2 | 8543.3  | 6087.9  | 3631.1  | 2798.0  | 1963.4  | 1597.4  | 1229.9  | 1180.1  |
| 42.5°  | 19733.8 | 16686.9 | 12594.6 | 8502.3  | 6006.0  | 3508.1  | 2689.6  | 1871.2  | 1553.5  | 1234.3  | 1164.0  |
| 45°    | 20607.9 | 17402.9 | 12932.9 | 8461.3  | 5944.5  | 3427.6  | 2604.7  | 1781.9  | 1512.5  | 1243.1  | 1153.8  |
| 47.5°  | 21271.2 | 18121.8 | 13307.7 | 8492.1  | 5938.6  | 3385.1  | 2544.7  | 1704.3  | 1434.9  | 1164.0  | 1127.4  |
| 50°    | 22114.6 | 18985.7 | 13853.8 | 8722.0  | 6019.1  | 3316.3  | 2474.4  | 1631.1  | 1360.2  | 1089.3  | 1139.1  |
| 52.5°  | 23164.4 | 20218.5 | 14700.1 | 9180.2  | 6187.5  | 3194.8  | 2363.1  | 1531.5  | 1269.4  | 1005.9  | 1083.5  |
| 55°    | 24706.1 | 21798.3 | 15782.1 | 9764.4  | 6391.0  | 3016.2  | 2194.8  | 1371.9  | 1149.4  | 925.3   | 994.2   |
| 57.5°  | 26089.7 | 23394.2 | 16820.2 | 10244.7 | 6518.4  | 2790.7  | 1982.5  | 1174.3  | 1014.7  | 855.1   | 894.6   |
| 60°    | 26706.1 | 24217.1 | 17306.3 | 10394.0 | 6442.3  | 2490.5  | 1743.8  | 995.6   | 896.1   | 796.5   | 789.2   |
| 62.5°  | 26466.0 | 23694.4 | 16827.5 | 9960.6  | 6070.4  | 2180.1  | 1533.0  | 885.8   | 811.1   | 735.0   | 718.9   |
| 65°    | 25763.2 | 22051.6 | 15486.3 | 8921.1  | 5442.3  | 1963.4  | 1399.7  | 836.0   | 752.6   | 669.1   | 651.5   |
| 67.5°  | 24378.1 | 19713.3 | 13585.9 | 7458.4  | 4644.3  | 1830.2  | 1323.6  | 817.0   | 716.0   | 613.5   | 593.0   |
| 70°    | 21892.0 | 16899.2 | 11397.0 | 5893.2  | 3821.4  | 1748.2  | 1273.8  | 799.4   | 676.4   | 552.0   | 533.0   |
| 72.5°  | 17981.3 | 13549.3 | 9101.2  | 4651.6  | 3194.8  | 1737.9  | 1268.0  | 798.0   | 644.2   | 490.5   | 472.9   |
| 75°    | 12874.3 | 10291.5 | 6947.4  | 3601.8  | 2616.4  | 1631.1  | 1203.5  | 776.0   | 600.3   | 423.1   | 407.0   |
| 77.5°  | 8663.4  | 7123.1  | 4828.8  | 2533.0  | 1941.5  | 1349.9  | 1011.7  | 673.5   | 513.9   | 354.3   | 338.2   |
| 80°    | 5563.8  | 4929.8  | 3235.8  | 1541.8  | 1259.2  | 976.6   | 723.3   | 470.0   | 374.8   | 278.2   | 265.0   |
| 82.5°  | 4082.1  | 3669.2  | 2248.9  | 828.7   | 699.9   | 569.6   | 442.2   | 314.8   | 256.2   | 197.7   | 191.8   |
| 85°    | 2594.5  | 2861.0  | 1656.0  | 451.0   | 369.0   | 287.0   | 237.2   | 187.4   | 147.9   | 108.3   | 108.3   |
| 87.5°  | 503.7   | 696.9   | 458.3   | 218.2   | 159.6   | 101.0   | 86.4    | 70.3    | 39.5    | 7.3     | 8.8     |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**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 |

REPORT NUMBER: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 10518.5 | 10417.4 | 10316.4 | 10202.2 | 10086.5 | 9979.7  | 9871.3  | 9752.7  | 9774.7  | 9683.9  | 9593.1  |
| 5°     | 8755.6  | 8594.6  | 8432.1  | 8291.5  | 8150.9  | 8029.4  | 7906.4  | 7796.6  | 7891.8  | 7827.4  | 7762.9  |
| 7.5°   | 6767.3  | 6568.2  | 6367.6  | 6199.2  | 6030.8  | 5900.5  | 5768.8  | 5678.0  | 5771.7  | 5760.0  | 5748.3  |
| 10°    | 5660.4  | 5467.1  | 5272.4  | 5086.5  | 4900.5  | 4742.4  | 4582.8  | 4448.1  | 4424.7  | 4357.3  | 4288.5  |
| 12.5°  | 5180.2  | 4915.2  | 4648.7  | 4454.0  | 4259.2  | 4070.3  | 3881.5  | 3723.3  | 3651.6  | 3540.3  | 3427.6  |
| 15°    | 4598.9  | 4285.6  | 3972.2  | 3751.2  | 3528.6  | 3345.6  | 3161.1  | 3024.9  | 2979.6  | 2893.2  | 2806.8  |
| 17.5°  | 3833.2  | 3490.5  | 3147.9  | 2923.9  | 2698.4  | 2552.0  | 2404.1  | 2313.4  | 2313.4  | 2288.5  | 2263.6  |
| 20°    | 2932.7  | 2626.7  | 2320.7  | 2149.4  | 1978.1  | 1900.5  | 1821.4  | 1783.3  | 1795.1  | 1796.5  | 1796.5  |
| 22.5°  | 2150.8  | 1963.4  | 1776.0  | 1707.2  | 1636.9  | 1609.1  | 1581.3  | 1565.2  | 1571.0  | 1572.5  | 1574.0  |
| 25°    | 1694.0  | 1622.3  | 1549.1  | 1513.9  | 1477.3  | 1459.8  | 1442.2  | 1436.3  | 1449.5  | 1451.0  | 1451.0  |
| 27.5°  | 1487.6  | 1443.7  | 1398.3  | 1376.3  | 1352.9  | 1345.6  | 1338.2  | 1328.0  | 1341.2  | 1341.2  | 1339.7  |
| 30°    | 1383.6  | 1336.8  | 1289.9  | 1262.1  | 1234.3  | 1237.2  | 1238.7  | 1235.7  | 1244.5  | 1250.4  | 1254.8  |
| 32.5°  | 1298.7  | 1253.3  | 1207.9  | 1180.1  | 1150.8  | 1146.4  | 1142.0  | 1139.1  | 1158.1  | 1168.4  | 1178.6  |
| 35°    | 1222.6  | 1172.8  | 1123.0  | 1096.7  | 1070.3  | 1060.0  | 1049.8  | 1042.5  | 1060.0  | 1073.2  | 1086.4  |
| 37.5°  | 1171.3  | 1120.1  | 1067.4  | 1042.5  | 1016.1  | 1002.9  | 989.8   | 981.0   | 988.3   | 994.2   | 1000.0  |
| 40°    | 1130.3  | 1077.6  | 1023.4  | 994.2   | 964.9   | 951.7   | 938.5   | 931.2   | 935.6   | 937.1   | 938.5   |
| 42.5°  | 1092.3  | 1041.0  | 989.8   | 957.6   | 923.9   | 907.8   | 891.7   | 882.9   | 885.8   | 888.7   | 890.2   |
| 45°    | 1064.4  | 1013.2  | 960.5   | 922.4   | 882.9   | 865.3   | 847.7   | 837.5   | 839.0   | 839.0   | 839.0   |
| 47.5°  | 1090.8  | 1016.1  | 940.0   | 896.1   | 850.7   | 830.2   | 809.7   | 799.4   | 796.5   | 793.6   | 790.6   |
| 50°    | 1187.4  | 1060.0  | 931.2   | 875.6   | 818.5   | 796.5   | 773.1   | 761.4   | 754.0   | 751.1   | 748.2   |
| 52.5°  | 1159.6  | 1049.8  | 938.5   | 866.8   | 793.6   | 767.2   | 740.9   | 721.8   | 714.5   | 710.1   | 705.7   |
| 55°    | 1061.5  | 992.7   | 922.4   | 836.0   | 749.6   | 726.2   | 701.3   | 688.2   | 675.0   | 672.0   | 669.1   |
| 57.5°  | 932.7   | 904.8   | 877.0   | 789.2   | 701.3   | 679.4   | 655.9   | 647.2   | 635.4   | 635.4   | 634.0   |
| 60°    | 780.4   | 821.4   | 862.4   | 761.4   | 658.9   | 634.0   | 609.1   | 601.8   | 597.4   | 595.9   | 594.4   |
| 62.5°  | 701.3   | 768.7   | 834.6   | 727.7   | 619.3   | 593.0   | 566.6   | 557.8   | 556.4   | 557.8   | 557.8   |
| 65°    | 634.0   | 654.5   | 675.0   | 625.2   | 575.4   | 549.1   | 521.2   | 512.5   | 515.4   | 519.8   | 524.2   |
| 67.5°  | 572.5   | 568.1   | 563.7   | 546.1   | 527.1   | 505.1   | 481.7   | 472.9   | 474.4   | 480.2   | 486.1   |
| 70°    | 513.9   | 508.1   | 500.7   | 487.6   | 474.4   | 455.4   | 436.3   | 430.5   | 429.0   | 436.3   | 442.2   |
| 72.5°  | 455.4   | 448.0   | 439.2   | 429.0   | 417.3   | 401.2   | 385.1   | 380.7   | 382.1   | 386.5   | 390.9   |
| 75°    | 390.9   | 385.1   | 377.8   | 369.0   | 358.7   | 344.1   | 329.4   | 326.5   | 329.4   | 333.8   | 338.2   |
| 77.5°  | 320.6   | 319.2   | 316.3   | 308.9   | 301.6   | 285.5   | 267.9   | 266.5   | 270.9   | 275.3   | 278.2   |
| 80°    | 250.4   | 251.8   | 253.3   | 247.4   | 241.6   | 224.0   | 205.0   | 203.5   | 207.9   | 212.3   | 216.7   |
| 82.5°  | 184.5   | 188.9   | 191.8   | 184.5   | 177.2   | 156.7   | 136.2   | 133.2   | 147.9   | 152.3   | 156.7   |
| 85°    | 106.9   | 112.7   | 118.6   | 112.7   | 106.9   | 86.4    | 65.9    | 64.4    | 77.6    | 84.9    | 92.2    |
| 87.5°  | 8.8     | 11.7    | 14.6    | 13.2    | 11.7    | 5.9     | 0.0     | 0.0     | 1.5     | 7.3     | 13.2    |
| 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     |



REPORT NUMBER: P320772  
 CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**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: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 9536.0  | 9478.9  | 9461.4  | 9443.8  | 9379.4  | 9313.5  | 9380.8  | 9446.7  | 9474.5  | 9502.3  | 9430.6  |
| 5°     | 7754.2  | 7743.9  | 7743.9  | 7742.4  | 7683.9  | 7623.8  | 7669.2  | 7713.2  | 7615.1  | 7517.0  | 7506.7  |
| 7.5°   | 5811.2  | 5874.2  | 5925.4  | 5975.2  | 5956.2  | 5937.1  | 5979.6  | 6022.1  | 5897.6  | 5771.7  | 5710.2  |
| 10°    | 4303.1  | 4316.3  | 4372.0  | 4427.6  | 4440.8  | 4452.5  | 4505.2  | 4556.4  | 4459.8  | 4363.2  | 4320.7  |
| 12.5°  | 3357.3  | 3287.0  | 3294.3  | 3300.2  | 3326.6  | 3351.4  | 3407.1  | 3461.3  | 3421.7  | 3380.7  | 3385.1  |
| 15°    | 2718.9  | 2629.6  | 2593.0  | 2554.9  | 2584.2  | 2613.5  | 2653.0  | 2691.1  | 2692.6  | 2692.6  | 2730.6  |
| 17.5°  | 2219.7  | 2174.3  | 2137.7  | 2099.6  | 2139.1  | 2177.2  | 2181.6  | 2186.0  | 2187.4  | 2188.9  | 2186.0  |
| 20°    | 1818.5  | 1840.4  | 1828.7  | 1817.0  | 1831.7  | 1844.8  | 1856.5  | 1866.8  | 1853.6  | 1839.0  | 1802.4  |
| 22.5°  | 1594.5  | 1613.5  | 1628.1  | 1641.3  | 1666.2  | 1689.6  | 1677.9  | 1664.7  | 1638.4  | 1610.6  | 1582.7  |
| 25°    | 1464.2  | 1477.3  | 1492.0  | 1506.6  | 1527.1  | 1546.1  | 1525.6  | 1505.1  | 1486.1  | 1467.1  | 1448.0  |
| 27.5°  | 1354.3  | 1367.5  | 1380.7  | 1392.4  | 1411.4  | 1429.0  | 1410.0  | 1390.9  | 1374.8  | 1358.7  | 1344.1  |
| 30°    | 1265.0  | 1273.8  | 1284.1  | 1294.3  | 1311.9  | 1328.0  | 1311.9  | 1294.3  | 1282.6  | 1269.4  | 1259.2  |
| 32.5°  | 1188.9  | 1197.7  | 1202.1  | 1206.5  | 1222.6  | 1238.7  | 1227.0  | 1215.2  | 1205.0  | 1194.7  | 1187.4  |
| 35°    | 1105.4  | 1123.0  | 1125.9  | 1128.9  | 1145.0  | 1161.1  | 1153.8  | 1145.0  | 1133.3  | 1121.5  | 1108.4  |
| 37.5°  | 1020.5  | 1041.0  | 1052.7  | 1063.0  | 1079.1  | 1095.2  | 1087.9  | 1080.5  | 1064.4  | 1048.3  | 1024.9  |
| 40°    | 948.8   | 957.6   | 979.5   | 1000.0  | 1026.4  | 1051.3  | 1036.6  | 1020.5  | 995.6   | 970.7   | 959.0   |
| 42.5°  | 888.7   | 887.3   | 907.8   | 928.3   | 967.8   | 1005.9  | 979.5   | 953.2   | 929.7   | 906.3   | 903.4   |
| 45°    | 836.0   | 831.6   | 841.9   | 852.1   | 894.6   | 935.6   | 909.2   | 881.4   | 868.2   | 855.1   | 855.1   |
| 47.5°  | 789.2   | 786.2   | 793.6   | 799.4   | 825.8   | 850.7   | 837.5   | 824.3   | 817.0   | 809.7   | 811.1   |
| 50°    | 746.7   | 743.8   | 751.1   | 757.0   | 767.2   | 776.0   | 778.9   | 780.4   | 776.0   | 771.6   | 774.5   |
| 52.5°  | 707.2   | 707.2   | 710.1   | 711.6   | 724.8   | 737.9   | 737.9   | 736.5   | 736.5   | 736.5   | 739.4   |
| 55°    | 673.5   | 676.4   | 676.4   | 676.4   | 696.9   | 716.0   | 710.1   | 704.3   | 705.7   | 705.7   | 708.6   |
| 57.5°  | 639.8   | 644.2   | 647.2   | 650.1   | 670.6   | 691.1   | 685.2   | 679.4   | 679.4   | 679.4   | 680.8   |
| 60°    | 601.8   | 607.6   | 613.5   | 619.3   | 639.8   | 660.3   | 654.5   | 647.2   | 648.6   | 650.1   | 651.5   |
| 62.5°  | 565.2   | 571.0   | 576.9   | 582.7   | 603.2   | 623.7   | 617.9   | 610.6   | 614.9   | 617.9   | 617.9   |
| 65°    | 530.0   | 534.4   | 540.3   | 546.1   | 565.2   | 584.2   | 578.3   | 572.5   | 578.3   | 582.7   | 585.7   |
| 67.5°  | 490.5   | 493.4   | 499.3   | 505.1   | 524.2   | 543.2   | 537.3   | 530.0   | 537.3   | 543.2   | 549.1   |
| 70°    | 445.1   | 448.0   | 455.4   | 461.2   | 480.2   | 499.3   | 492.0   | 484.6   | 492.0   | 499.3   | 505.1   |
| 72.5°  | 395.3   | 398.2   | 405.6   | 411.4   | 433.4   | 455.4   | 446.6   | 437.8   | 446.6   | 455.4   | 458.3   |
| 75°    | 341.1   | 344.1   | 352.9   | 360.2   | 382.1   | 404.1   | 396.8   | 388.0   | 395.3   | 402.6   | 404.1   |
| 77.5°  | 282.6   | 287.0   | 298.7   | 310.4   | 328.0   | 345.5   | 341.1   | 336.8   | 341.1   | 345.5   | 345.5   |
| 80°    | 221.1   | 225.5   | 240.1   | 253.3   | 263.5   | 273.8   | 275.3   | 276.7   | 278.2   | 279.7   | 278.2   |
| 82.5°  | 164.0   | 169.8   | 183.0   | 196.2   | 196.2   | 196.2   | 207.9   | 218.2   | 218.2   | 216.7   | 215.2   |
| 85°    | 101.0   | 108.3   | 120.1   | 131.8   | 124.5   | 117.1   | 136.2   | 153.7   | 153.7   | 152.3   | 149.3   |
| 87.5°  | 20.5    | 27.8    | 39.5    | 49.8    | 42.5    | 35.1    | 54.2    | 73.2    | 74.7    | 74.7    | 71.7    |
| 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: P320772  
 CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

REPORT NUMBER: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 9357.4  | 9471.6  | 9584.3  | 9613.6  | 9657.5  | 9676.6  | 9694.2  | 9837.6  | 9979.7  | 10146.6 | 10313.5 |
| 5°     | 7495.0  | 7579.9  | 7664.8  | 7678.0  | 7723.4  | 7746.8  | 7770.3  | 7944.5  | 8117.3  | 8350.1  | 8582.9  |
| 7.5°   | 5648.7  | 5669.2  | 5689.7  | 5686.8  | 5724.8  | 5776.1  | 5825.9  | 6011.8  | 6196.3  | 6446.7  | 6695.6  |
| 10°    | 4278.3  | 4325.1  | 4370.5  | 4413.0  | 4496.4  | 4593.0  | 4688.2  | 4878.6  | 5068.9  | 5316.3  | 5562.3  |
| 12.5°  | 3389.5  | 3443.7  | 3496.4  | 3543.2  | 3639.9  | 3768.7  | 3896.1  | 4124.5  | 4352.9  | 4648.7  | 4943.0  |
| 15°    | 2767.2  | 2762.9  | 2758.5  | 2790.7  | 2875.6  | 3016.2  | 3155.2  | 3396.8  | 3638.4  | 3963.5  | 4287.0  |
| 17.5°  | 2183.1  | 2161.1  | 2139.1  | 2164.0  | 2243.1  | 2358.7  | 2473.0  | 2677.9  | 2881.5  | 3196.2  | 3511.0  |
| 20°    | 1765.8  | 1751.1  | 1736.5  | 1759.9  | 1809.7  | 1858.0  | 1906.3  | 2054.2  | 2200.6  | 2456.8  | 2711.6  |
| 22.5°  | 1553.5  | 1552.0  | 1549.1  | 1562.3  | 1585.7  | 1610.6  | 1634.0  | 1705.7  | 1776.0  | 1941.5  | 2105.5  |
| 25°    | 1429.0  | 1427.5  | 1426.1  | 1431.9  | 1451.0  | 1470.0  | 1489.0  | 1535.9  | 1582.7  | 1661.8  | 1740.9  |
| 27.5°  | 1329.5  | 1326.5  | 1323.6  | 1325.1  | 1329.5  | 1358.7  | 1386.6  | 1408.5  | 1429.0  | 1483.2  | 1535.9  |
| 30°    | 1248.9  | 1247.5  | 1246.0  | 1246.0  | 1241.6  | 1251.9  | 1262.1  | 1295.8  | 1328.0  | 1383.6  | 1439.3  |
| 32.5°  | 1180.1  | 1172.8  | 1165.5  | 1149.4  | 1139.1  | 1153.8  | 1168.4  | 1203.5  | 1238.7  | 1289.9  | 1341.2  |
| 35°    | 1093.7  | 1074.7  | 1054.2  | 1045.4  | 1046.9  | 1061.5  | 1076.2  | 1111.3  | 1145.0  | 1200.6  | 1254.8  |
| 37.5°  | 1000.0  | 994.2   | 986.8   | 985.4   | 989.8   | 1004.4  | 1019.1  | 1049.8  | 1079.1  | 1134.7  | 1188.9  |
| 40°    | 947.3   | 944.4   | 941.4   | 938.5   | 941.4   | 956.1   | 970.7   | 1000.0  | 1027.8  | 1082.0  | 1134.7  |
| 42.5°  | 900.5   | 899.0   | 897.5   | 897.5   | 899.0   | 915.1   | 931.2   | 960.5   | 988.3   | 1036.6  | 1084.9  |
| 45°    | 855.1   | 856.5   | 856.5   | 859.5   | 863.8   | 880.0   | 894.6   | 926.8   | 959.0   | 1005.9  | 1052.7  |
| 47.5°  | 812.6   | 817.0   | 819.9   | 827.2   | 831.6   | 849.2   | 865.3   | 900.5   | 935.6   | 994.2   | 1051.3  |
| 50°    | 776.0   | 780.4   | 783.3   | 789.2   | 800.9   | 821.4   | 841.9   | 884.3   | 925.3   | 1023.4  | 1120.1  |
| 52.5°  | 742.3   | 746.7   | 751.1   | 757.0   | 771.6   | 795.0   | 818.5   | 871.2   | 922.4   | 1036.6  | 1150.8  |
| 55°    | 711.6   | 716.0   | 718.9   | 727.7   | 742.3   | 762.8   | 781.9   | 846.3   | 910.7   | 994.2   | 1077.6  |
| 57.5°  | 682.3   | 686.7   | 689.6   | 695.5   | 702.8   | 724.8   | 745.3   | 814.1   | 882.9   | 941.4   | 998.6   |
| 60°    | 651.5   | 654.5   | 655.9   | 655.9   | 661.8   | 686.7   | 711.6   | 799.4   | 885.8   | 875.6   | 863.8   |
| 62.5°  | 617.9   | 620.8   | 622.3   | 617.9   | 625.2   | 651.5   | 677.9   | 792.1   | 906.3   | 836.0   | 765.8   |
| 65°    | 587.1   | 585.7   | 584.2   | 579.8   | 588.6   | 614.9   | 639.8   | 696.9   | 754.0   | 726.2   | 698.4   |
| 67.5°  | 553.4   | 549.1   | 544.7   | 538.8   | 547.6   | 571.0   | 593.0   | 612.0   | 631.0   | 634.0   | 636.9   |
| 70°    | 511.0   | 505.1   | 499.3   | 497.8   | 502.2   | 521.2   | 540.3   | 553.4   | 565.2   | 571.0   | 575.4   |
| 72.5°  | 461.2   | 456.8   | 452.4   | 449.5   | 451.0   | 467.1   | 481.7   | 493.4   | 505.1   | 509.5   | 512.5   |
| 75°    | 405.6   | 405.6   | 404.1   | 395.3   | 395.3   | 408.5   | 420.2   | 430.5   | 440.7   | 446.6   | 452.4   |
| 77.5°  | 345.5   | 347.0   | 347.0   | 335.3   | 333.8   | 347.0   | 358.7   | 367.5   | 374.8   | 380.7   | 385.1   |
| 80°    | 276.7   | 273.8   | 270.9   | 263.5   | 260.6   | 276.7   | 291.4   | 298.7   | 304.5   | 306.0   | 306.0   |
| 82.5°  | 212.3   | 206.4   | 199.1   | 183.0   | 184.5   | 202.1   | 218.2   | 224.0   | 229.9   | 229.9   | 229.9   |
| 85°    | 145.0   | 133.2   | 120.1   | 106.9   | 108.3   | 127.4   | 145.0   | 150.8   | 156.7   | 159.6   | 161.1   |
| 87.5°  | 68.8    | 57.1    | 43.9    | 33.7    | 33.7    | 49.8    | 64.4    | 67.4    | 70.3    | 76.1    | 82.0    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320772  
 CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**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  |

REPORT NUMBER: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 10440.9 | 10566.8 | 10697.1 | 10827.4 | 10976.8 | 11126.1 | 11300.3 | 11473.1 | 11621.0 | 11768.9 | 11891.8 |
| 5°     | 8783.5  | 8984.0  | 9219.8  | 9455.5  | 9755.6  | 10055.8 | 10423.3 | 10789.3 | 11115.8 | 11442.4 | 11821.6 |
| 7.5°   | 6957.7  | 7218.3  | 7525.7  | 7833.2  | 8221.2  | 8609.2  | 9085.1  | 9560.9  | 10022.1 | 10481.9 | 11064.6 |
| 10°    | 5836.1  | 6109.9  | 6413.0  | 6714.6  | 7109.9  | 7503.8  | 8007.4  | 8509.7  | 9028.0  | 9544.8  | 10203.7 |
| 12.5°  | 5247.5  | 5550.6  | 5817.1  | 6083.6  | 6404.2  | 6723.4  | 7211.0  | 7698.5  | 8307.6  | 8915.2  | 9549.2  |
| 15°    | 4619.4  | 4950.3  | 5269.5  | 5588.7  | 5938.6  | 6287.1  | 6761.5  | 7235.8  | 7902.0  | 8568.2  | 9297.4  |
| 17.5°  | 3859.5  | 4208.0  | 4597.4  | 4985.4  | 5442.3  | 5897.6  | 6505.2  | 7112.9  | 7902.0  | 8689.7  | 9549.2  |
| 20°    | 3067.4  | 3423.2  | 3888.8  | 4354.4  | 4922.5  | 5489.1  | 6276.8  | 7064.5  | 8127.5  | 9189.0  | 10285.7 |
| 22.5°  | 2420.2  | 2733.6  | 3241.6  | 3748.2  | 4404.2  | 5060.1  | 6070.4  | 7079.2  | 8468.7  | 9856.7  | 11336.9 |
| 25°    | 1962.0  | 2183.1  | 2682.3  | 3180.1  | 3937.1  | 4694.1  | 5944.5  | 7193.4  | 8965.0  | 10735.2 | 12571.2 |
| 27.5°  | 1680.8  | 1825.8  | 2291.4  | 2755.5  | 3582.8  | 4408.6  | 5893.2  | 7376.4  | 9594.6  | 11812.8 | 13913.8 |
| 30°    | 1540.3  | 1641.3  | 2035.2  | 2427.6  | 3268.0  | 4108.4  | 5831.7  | 7555.0  | 10200.7 | 12845.0 | 14963.6 |
| 32.5°  | 1423.2  | 1503.7  | 1840.4  | 2175.7  | 2995.7  | 3815.6  | 5713.1  | 7609.2  | 10623.9 | 13638.6 | 15852.4 |
| 35°    | 1323.6  | 1390.9  | 1683.8  | 1976.6  | 2781.9  | 3587.2  | 5514.0  | 7440.8  | 10888.9 | 14337.0 | 16777.7 |
| 37.5°  | 1243.1  | 1295.8  | 1566.6  | 1837.5  | 2597.4  | 3357.3  | 5287.1  | 7216.8  | 11124.6 | 15032.5 | 17818.7 |
| 40°    | 1180.1  | 1225.5  | 1478.8  | 1732.1  | 2421.7  | 3111.3  | 5092.3  | 7071.9  | 11449.7 | 15827.5 | 18918.3 |
| 42.5°  | 1145.0  | 1203.5  | 1402.7  | 1600.3  | 2254.8  | 2909.3  | 4935.7  | 6962.0  | 11751.3 | 16539.1 | 19880.3 |
| 45°    | 1136.2  | 1219.6  | 1363.1  | 1506.6  | 2130.3  | 2754.1  | 4796.6  | 6837.6  | 11946.0 | 17054.4 | 20605.0 |
| 47.5°  | 1121.5  | 1190.4  | 1332.4  | 1474.4  | 2068.8  | 2661.8  | 4721.9  | 6780.5  | 12140.8 | 17499.5 | 21206.8 |
| 50°    | 1130.3  | 1139.1  | 1307.5  | 1474.4  | 2060.1  | 2645.7  | 4806.8  | 6967.9  | 12562.4 | 18155.5 | 21894.9 |
| 52.5°  | 1114.2  | 1076.2  | 1260.6  | 1445.1  | 2058.6  | 2672.1  | 5051.3  | 7430.6  | 13345.7 | 19259.5 | 22640.2 |
| 55°    | 1029.3  | 979.5   | 1172.8  | 1366.1  | 2027.9  | 2688.2  | 5342.7  | 7995.7  | 14397.0 | 20796.8 | 23979.9 |
| 57.5°  | 954.6   | 909.2   | 1073.2  | 1235.7  | 1934.1  | 2632.5  | 5642.8  | 8651.7  | 15508.3 | 22363.5 | 25489.4 |
| 60°    | 855.1   | 844.8   | 961.9   | 1079.1  | 1789.2  | 2497.8  | 5890.3  | 9281.3  | 16255.0 | 23227.3 | 26070.7 |
| 62.5°  | 773.1   | 778.9   | 865.3   | 951.7   | 1607.6  | 2262.1  | 5972.3  | 9681.0  | 16234.5 | 22788.1 | 25485.0 |
| 65°    | 710.1   | 720.4   | 805.3   | 890.2   | 1452.4  | 2014.7  | 5702.9  | 9389.6  | 15413.1 | 21435.2 | 24326.9 |
| 67.5°  | 648.6   | 660.3   | 761.4   | 860.9   | 1314.8  | 1767.2  | 5029.4  | 8290.0  | 13935.8 | 19580.1 | 22854.0 |
| 70°    | 590.1   | 604.7   | 714.5   | 824.3   | 1215.2  | 1604.7  | 4161.1  | 6717.5  | 12086.6 | 17454.2 | 21148.2 |
| 72.5°  | 527.1   | 541.7   | 658.9   | 776.0   | 1152.3  | 1527.1  | 3392.4  | 5256.3  | 9808.4  | 14358.9 | 18089.6 |
| 75°    | 462.7   | 472.9   | 600.3   | 726.2   | 1065.9  | 1405.6  | 2661.8  | 3916.6  | 7506.7  | 11096.8 | 13663.5 |
| 77.5°  | 398.2   | 411.4   | 518.3   | 623.7   | 904.8   | 1184.5  | 2005.9  | 2827.3  | 5508.1  | 8187.5  | 9502.3  |
| 80°    | 317.7   | 329.4   | 405.6   | 480.2   | 698.4   | 915.1   | 1379.2  | 1843.4  | 3790.7  | 5738.0  | 6478.9  |
| 82.5°  | 243.0   | 256.2   | 307.5   | 357.3   | 497.8   | 638.4   | 836.0   | 1033.7  | 2518.3  | 4001.5  | 4063.0  |
| 85°    | 166.9   | 171.3   | 207.9   | 243.0   | 307.5   | 371.9   | 478.8   | 585.7   | 1666.2  | 2746.7  | 2288.5  |
| 87.5°  | 83.5    | 83.5    | 108.3   | 133.2   | 165.4   | 197.7   | 253.3   | 307.5   | 533.0   | 758.4   | 436.3   |
| 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: P320772  
CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**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: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 12048.5 | 12155.4 | 12263.7 | 12345.7 | 12429.2 | 12549.3 | 12669.3 | 12691.3 | 12714.7 | 12667.8 | 12621.0 |
| 5°     | 12203.7 | 12527.3 | 12852.3 | 13152.5 | 13452.6 | 13632.7 | 13812.8 | 13849.4 | 13886.0 | 13773.3 | 13659.1 |
| 7.5°   | 11628.3 | 12192.0 | 12755.7 | 13272.5 | 13789.4 | 14102.7 | 14417.5 | 14487.8 | 14559.5 | 14375.0 | 14190.6 |
| 10°    | 10859.6 | 11552.2 | 12244.7 | 12925.5 | 13606.4 | 14061.7 | 14517.1 | 14607.8 | 14698.6 | 14468.8 | 14238.9 |
| 12.5°  | 10265.2 | 11004.6 | 11744.0 | 12461.4 | 13180.3 | 13651.8 | 14123.2 | 14236.0 | 14348.7 | 14181.8 | 14013.4 |
| 15°    | 10082.2 | 10777.6 | 11473.1 | 12098.3 | 12724.9 | 13110.0 | 13496.6 | 13541.9 | 13588.8 | 13562.4 | 13536.1 |
| 17.5°  | 10414.5 | 11042.6 | 11672.2 | 12011.9 | 12353.1 | 12506.8 | 12662.0 | 12711.8 | 12763.0 | 12828.9 | 12896.3 |
| 20°    | 11219.8 | 11662.0 | 12105.6 | 12091.0 | 12074.9 | 12000.2 | 11924.1 | 11910.9 | 11897.7 | 12086.6 | 12276.9 |
| 22.5°  | 12421.9 | 12597.6 | 12774.7 | 12363.3 | 11951.9 | 11701.5 | 11449.7 | 11399.9 | 11348.6 | 11549.2 | 11751.3 |
| 25°    | 13726.4 | 13694.2 | 13660.5 | 12877.2 | 12092.4 | 11615.1 | 11137.8 | 11082.2 | 11026.5 | 11197.8 | 11370.6 |
| 27.5°  | 15017.8 | 14807.0 | 14596.1 | 13531.7 | 12467.3 | 11774.7 | 11082.2 | 11026.5 | 10970.9 | 11123.2 | 11275.4 |
| 30°    | 15965.1 | 15626.9 | 15288.7 | 14083.7 | 12878.7 | 12055.8 | 11233.0 | 11142.2 | 11050.0 | 11237.4 | 11424.8 |
| 32.5°  | 16704.5 | 16250.6 | 15796.7 | 14531.7 | 13266.7 | 12376.5 | 11486.3 | 11344.3 | 11202.2 | 11452.6 | 11703.0 |
| 35°    | 17442.4 | 16804.1 | 16164.2 | 14931.4 | 13697.1 | 12755.7 | 11812.8 | 11638.5 | 11464.3 | 11808.4 | 12152.5 |
| 37.5°  | 18370.7 | 17454.2 | 16536.1 | 15380.9 | 14225.7 | 13323.8 | 12420.4 | 12241.8 | 12063.2 | 12500.9 | 12940.2 |
| 40°    | 19378.1 | 18155.5 | 16932.9 | 15872.9 | 14812.8 | 14110.0 | 13405.8 | 13235.9 | 13064.6 | 13597.6 | 14130.5 |
| 42.5°  | 20215.6 | 18808.5 | 17401.5 | 16465.9 | 15528.8 | 15033.9 | 14537.6 | 14536.1 | 14533.2 | 15073.4 | 15613.7 |
| 45°    | 20896.4 | 19353.2 | 17808.5 | 17044.2 | 16278.4 | 16020.8 | 15763.1 | 15969.5 | 16176.0 | 16663.5 | 17152.5 |
| 47.5°  | 21404.4 | 19810.0 | 18214.1 | 17706.0 | 17197.9 | 17236.0 | 17274.1 | 17694.3 | 18114.5 | 18427.8 | 18742.6 |
| 50°    | 21735.3 | 20224.3 | 18711.9 | 18555.2 | 18398.5 | 18739.7 | 19082.3 | 19564.0 | 20047.2 | 20260.9 | 20474.7 |
| 52.5°  | 22217.0 | 20786.6 | 19354.6 | 19530.3 | 19706.0 | 20403.0 | 21099.9 | 21587.5 | 22075.0 | 22154.1 | 22234.6 |
| 55°    | 23331.3 | 21820.3 | 20307.8 | 20644.5 | 20982.8 | 22004.7 | 23028.2 | 23408.9 | 23789.5 | 23818.8 | 23848.1 |
| 57.5°  | 24914.0 | 23268.3 | 21622.6 | 21985.7 | 22348.8 | 23528.9 | 24710.5 | 25120.5 | 25531.9 | 25474.8 | 25416.2 |
| 60°    | 26098.5 | 24643.1 | 23186.3 | 23552.4 | 23918.4 | 25069.2 | 26220.0 | 26691.5 | 27164.4 | 27038.5 | 26912.6 |
| 62.5°  | 26171.7 | 25394.3 | 24615.3 | 24946.2 | 25278.6 | 26406.0 | 27533.4 | 28018.0 | 28502.7 | 28283.0 | 28063.4 |
| 65°    | 25007.7 | 25356.2 | 25704.7 | 25814.5 | 25924.3 | 26975.5 | 28028.3 | 28398.7 | 28770.6 | 28659.3 | 28548.0 |
| 67.5°  | 23404.5 | 24688.5 | 25974.1 | 25753.0 | 25531.9 | 26025.3 | 26518.7 | 26900.9 | 27283.0 | 27220.1 | 27155.6 |
| 70°    | 21804.2 | 23518.7 | 25233.2 | 24146.8 | 23058.9 | 22855.4 | 22651.9 | 23063.3 | 23476.2 | 23221.5 | 22965.2 |
| 72.5°  | 19079.4 | 20906.6 | 22735.4 | 20733.9 | 18732.4 | 18036.9 | 17341.4 | 17864.1 | 18386.8 | 17981.3 | 17574.2 |
| 75°    | 14976.8 | 16995.9 | 19016.4 | 16628.4 | 14240.3 | 13312.1 | 12383.8 | 12833.3 | 13282.8 | 13004.6 | 12724.9 |
| 77.5°  | 11149.5 | 13139.3 | 15129.1 | 12701.5 | 10272.5 | 9582.9  | 8891.8  | 9025.0  | 9159.7  | 9112.9  | 9064.6  |
| 80°    | 7562.3  | 8948.9  | 10336.9 | 8720.5  | 7104.1  | 7156.8  | 7211.0  | 7148.0  | 7083.6  | 7177.3  | 7271.0  |
| 82.5°  | 4825.8  | 5896.1  | 6967.9  | 6109.9  | 5251.9  | 5743.9  | 6235.8  | 5994.2  | 5751.2  | 5840.5  | 5931.3  |
| 85°    | 2754.1  | 3800.9  | 4849.3  | 4519.8  | 4188.9  | 4475.9  | 4764.4  | 4389.5  | 4014.7  | 4178.7  | 4344.1  |
| 87.5°  | 726.2   | 2102.5  | 3480.3  | 3159.6  | 2839.0  | 2467.1  | 2095.2  | 1598.9  | 1102.5  | 1610.6  | 2118.6  |
| 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: P320772  
 CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

REPORT NUMBER: P320772

CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 | 11156.8 |
| 2.5°   | 12596.1 | 12571.2 | 12481.9 | 12391.1 | 12256.4 | 12145.1 | 11951.9 |
| 5°     | 13500.9 | 13342.8 | 13070.5 | 12796.7 | 12492.1 | 12142.2 | 11754.2 |
| 7.5°   | 13821.6 | 13451.2 | 12928.5 | 12404.3 | 11932.8 | 11379.4 | 10864.0 |
| 10°    | 13685.4 | 13130.5 | 12451.2 | 11770.3 | 11197.8 | 10560.9 | 9988.4  |
| 12.5°  | 13424.8 | 12834.8 | 12086.6 | 11336.9 | 10685.4 | 10001.6 | 9360.3  |
| 15°    | 13066.1 | 12594.6 | 11893.3 | 11192.0 | 10536.0 | 9871.3  | 9111.4  |
| 17.5°  | 12673.7 | 12449.7 | 11943.1 | 11435.0 | 10866.9 | 10222.7 | 9331.0  |
| 20°    | 12357.4 | 12439.4 | 12237.4 | 12035.3 | 11580.0 | 11017.7 | 10016.3 |
| 22.5°  | 12143.7 | 12537.5 | 12692.7 | 12849.4 | 12575.6 | 12136.4 | 10978.2 |
| 25°    | 12023.6 | 12676.6 | 13196.4 | 13717.6 | 13596.1 | 13257.9 | 12146.6 |
| 27.5°  | 12076.3 | 12877.2 | 13684.0 | 14492.2 | 14604.9 | 14511.2 | 13378.0 |
| 30°    | 12234.5 | 13045.6 | 14028.0 | 15012.0 | 15461.4 | 15587.4 | 14404.3 |
| 32.5°  | 12498.0 | 13293.0 | 14363.3 | 15435.1 | 16114.5 | 16515.6 | 15342.9 |
| 35°    | 12896.3 | 13640.0 | 14755.7 | 15871.4 | 16749.9 | 17482.0 | 16312.1 |
| 37.5°  | 13580.0 | 14219.8 | 15249.1 | 16279.9 | 17419.0 | 18518.6 | 17379.5 |
| 40°    | 14581.5 | 15033.9 | 15903.6 | 16774.8 | 18208.2 | 19692.8 | 18569.8 |
| 42.5°  | 15845.1 | 16077.9 | 16767.5 | 17457.1 | 19032.5 | 20758.8 | 19733.8 |
| 45°    | 17214.0 | 17275.5 | 17708.9 | 18143.8 | 19685.5 | 21485.0 | 20607.9 |
| 47.5°  | 18531.8 | 18320.9 | 18493.7 | 18666.5 | 20186.3 | 22003.3 | 21271.2 |
| 50°    | 19887.6 | 19300.5 | 19209.7 | 19118.9 | 20687.0 | 22613.8 | 22114.6 |
| 52.5°  | 21266.8 | 20299.0 | 19940.3 | 19580.1 | 21284.4 | 23423.5 | 23164.4 |
| 55°    | 22616.8 | 21385.4 | 20902.2 | 20419.1 | 22198.0 | 24411.8 | 24706.1 |
| 57.5°  | 24020.9 | 22625.5 | 22177.5 | 21729.5 | 23540.6 | 25663.7 | 26089.7 |
| 60°    | 25531.9 | 24149.7 | 23791.0 | 23430.8 | 25209.8 | 27016.5 | 26706.1 |
| 62.5°  | 26965.3 | 25867.2 | 25678.3 | 25488.0 | 26897.9 | 28056.1 | 26466.0 |
| 65°    | 27922.9 | 27296.2 | 27471.9 | 27649.1 | 28174.7 | 28315.2 | 25763.2 |
| 67.5°  | 27283.0 | 27410.4 | 28152.7 | 28896.5 | 28534.9 | 27545.1 | 24378.1 |
| 70°    | 23728.1 | 24492.3 | 26250.8 | 28010.7 | 27208.3 | 25482.1 | 21892.0 |
| 72.5°  | 18432.2 | 19291.7 | 21902.3 | 24514.3 | 23774.9 | 21660.7 | 17981.3 |
| 75°    | 13694.2 | 14665.0 | 17546.4 | 20427.9 | 19401.5 | 16202.3 | 12874.3 |
| 77.5°  | 9714.7  | 10364.7 | 13209.6 | 16055.9 | 14382.4 | 10784.9 | 8663.4  |
| 80°    | 7071.9  | 6872.7  | 8458.4  | 10044.1 | 9765.9  | 7133.4  | 5563.8  |
| 82.5°  | 5445.2  | 4959.1  | 5705.8  | 6452.5  | 6411.5  | 4950.3  | 4082.1  |
| 85°    | 4149.4  | 3954.7  | 4615.0  | 5275.3  | 4710.2  | 3352.9  | 2594.5  |
| 87.5°  | 2418.8  | 2720.4  | 3497.9  | 4276.8  | 3209.4  | 1017.6  | 503.7   |
| 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: P320772  
 CATALOG NUMBER: GLEON-SA8C-827-U-SLR

**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

Invue

Report Number: SP1-2407-157-9

Test Date: 10/03/2024

Luminaire Tested: EMM2-HTN-SA1A-827-U-5WQ

Data applicable to all product families utilizing light square engine

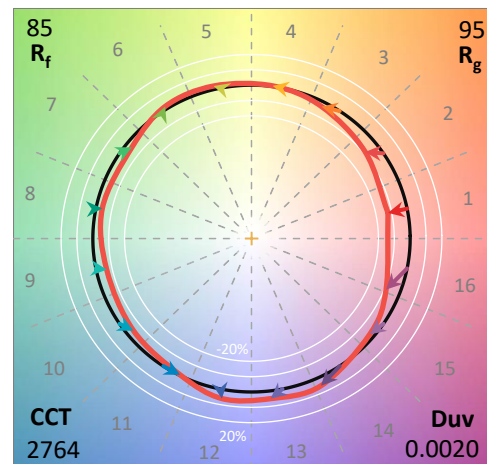
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2407-157-9  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/03/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: Invue  
 Catalog Number: **EMM2-HTN-SA1A-827-U-5WQ**  
 Description: Epic Modern Light Square 40W 5WQ Optic

### Spectral Parameters

CCT (K): 2764  
 CIE  $u'$ : 0.2591  
 CIE  $v'$ : 0.5290  
 Duv: 0.0020  
 CIE x: 0.4581  
 CIE y: 0.4156  
 CIE z: 0.1263  
 Peak Wavelength (nm): 603  
 Dominant Wavelength (nm): 583  
 Purity: 62.2537  
 R<sub>f</sub>: 84.7  
 R<sub>g</sub>: 94.6

CRI (Ra): 80.9  
 R1: 78.8  
 R2: 89.9  
 R3: 96.2  
 R4: 79.1  
 R5: 79.1  
 R6: 88.8  
 R7: 81.3  
 R8: 54.3  
 R9: -1.5  
 R10: 77.9  
 R11: 78.9  
 R12: 71.6  
 R13: 81.2  
 R14: 98.5  
 R15: 69.9



### Test Conditions

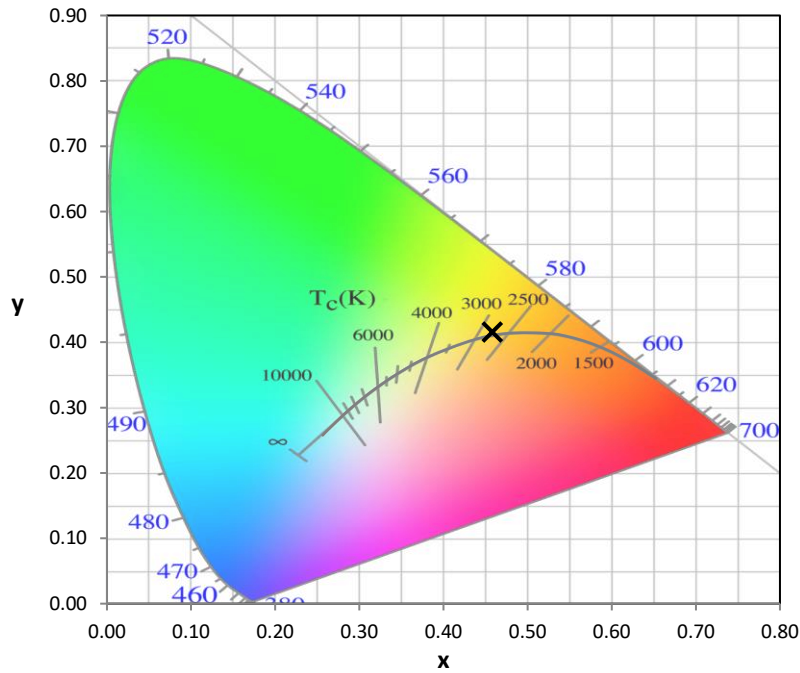
Stabilization Time: 81M  
 Operation Time: 2H 21M  
 Sphere Temperature (°C): 25.2

REPORT NUMBER: SP1-2407-157-9

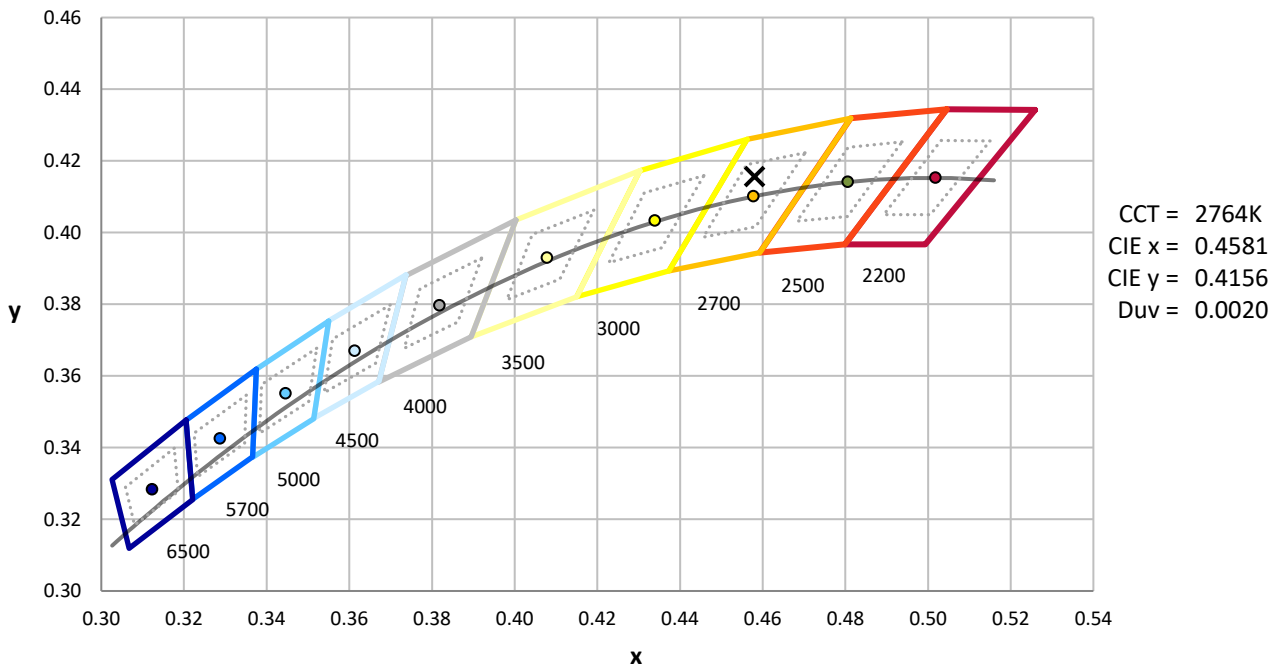
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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: SP1-2407-157-9

**CIE 1931 Chromaticity Diagram**



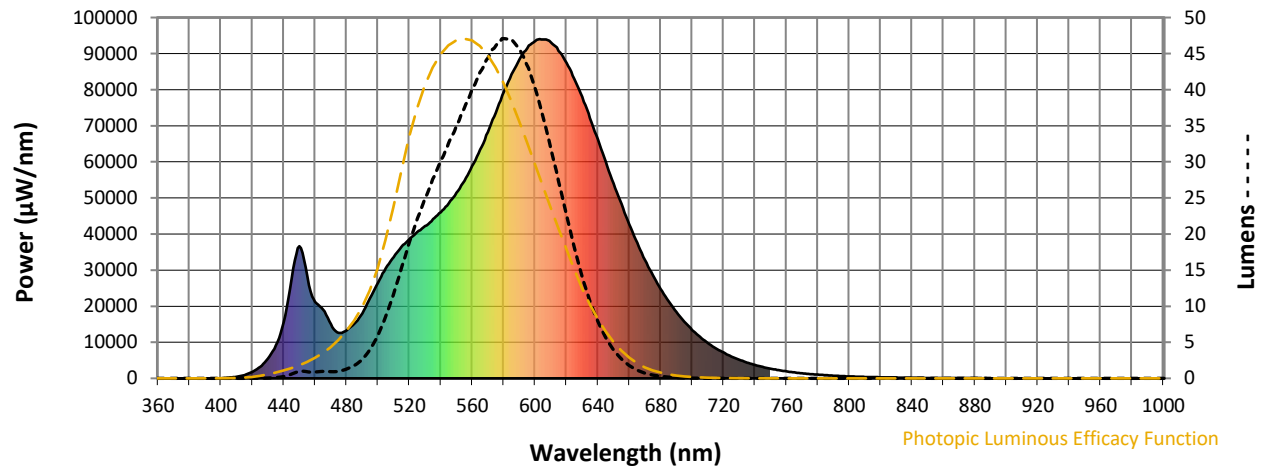
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-2407-157-9

### Photopic Flux vs. Wavelength

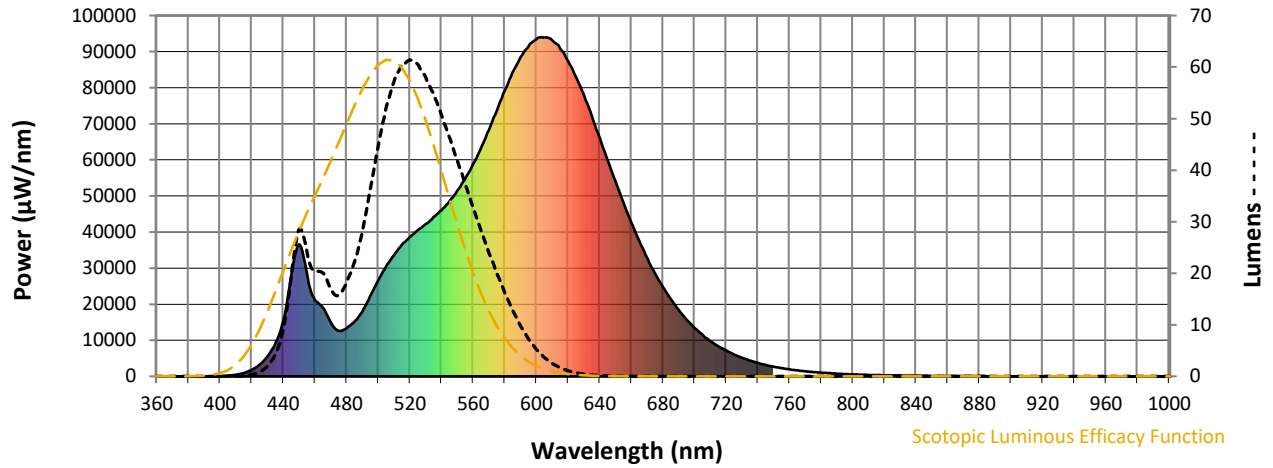


**Photopic Lumens: 4337.9**

| λ (nm) | Power (μW/nm) | Lumens (Φ/nm) | λ (nm) | Power (μW/nm) | Lumens (Φ/nm) | λ (nm) | Power (μW/nm) | Lumens (Φ/nm) | λ (nm) | Power (μW/nm) | Lumens (Φ/nm) | λ (nm) | Power (μW/nm) | Lumens (Φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360    | 0             | 0.0           | 490    | 18018         | 2.6           | 620    | 87426         | 22.8          | 750    | 2680          | 0.0           | 880    | 58            | 0.0           |
| 365    | 0             | 0.0           | 495    | 22295         | 3.9           | 625    | 83013         | 18.2          | 755    | 2287          | 0.0           | 885    | 46            | 0.0           |
| 370    | 0             | 0.0           | 500    | 26478         | 5.8           | 630    | 78077         | 14.1          | 760    | 1944          | 0.0           | 890    | 45            | 0.0           |
| 375    | 0             | 0.0           | 505    | 30524         | 8.5           | 635    | 72080         | 10.7          | 765    | 1653          | 0.0           | 895    | 41            | 0.0           |
| 380    | 0             | 0.0           | 510    | 33611         | 11.5          | 640    | 66249         | 7.9           | 770    | 1413          | 0.0           | 900    | 38            | 0.0           |
| 385    | 0             | 0.0           | 515    | 36490         | 15.2          | 645    | 59973         | 5.7           | 775    | 1198          | 0.0           | 905    | 33            | 0.0           |
| 390    | 0             | 0.0           | 520    | 38610         | 18.7          | 650    | 53972         | 3.9           | 780    | 1025          | 0.0           | 910    | 30            | 0.0           |
| 395    | 0             | 0.0           | 525    | 40511         | 21.9          | 655    | 48369         | 2.7           | 785    | 874           | 0.0           | 915    | 23            | 0.0           |
| 400    | 48            | 0.0           | 530    | 42223         | 24.9          | 660    | 42641         | 1.8           | 790    | 747           | 0.0           | 920    | 24            | 0.0           |
| 405    | 201           | 0.0           | 535    | 44137         | 27.6          | 665    | 37602         | 1.1           | 795    | 639           | 0.0           | 925    | 22            | 0.0           |
| 410    | 457           | 0.0           | 540    | 46032         | 30.0          | 670    | 32798         | 0.7           | 800    | 547           | 0.0           | 930    | 22            | 0.0           |
| 415    | 925           | 0.0           | 545    | 48553         | 32.5          | 675    | 28558         | 0.5           | 805    | 473           | 0.0           | 935    | 17            | 0.0           |
| 420    | 1816          | 0.0           | 550    | 51408         | 34.9          | 680    | 24782         | 0.3           | 810    | 401           | 0.0           | 940    | 13            | 0.0           |
| 425    | 3217          | 0.0           | 555    | 54711         | 37.4          | 685    | 21386         | 0.2           | 815    | 351           | 0.0           | 945    | 6             | 0.0           |
| 430    | 5520          | 0.0           | 560    | 58847         | 40.0          | 690    | 18413         | 0.1           | 820    | 307           | 0.0           | 950    | 10            | 0.0           |
| 435    | 9225          | 0.1           | 565    | 63386         | 42.4          | 695    | 15721         | 0.1           | 825    | 261           | 0.0           | 955    | 11            | 0.0           |
| 440    | 15522         | 0.2           | 570    | 68196         | 44.3          | 700    | 13432         | 0.0           | 830    | 228           | 0.0           | 960    | 8             | 0.0           |
| 445    | 27642         | 0.6           | 575    | 73613         | 46.0          | 705    | 11513         | 0.0           | 835    | 193           | 0.0           | 965    | 12            | 0.0           |
| 450    | 36602         | 0.9           | 580    | 79207         | 47.1          | 710    | 9780          | 0.0           | 840    | 174           | 0.0           | 970    | 3             | 0.0           |
| 455    | 28292         | 0.9           | 585    | 84248         | 47.0          | 715    | 8356          | 0.0           | 845    | 151           | 0.0           | 975    | 8             | 0.0           |
| 460    | 21166         | 0.9           | 590    | 88397         | 45.7          | 720    | 7161          | 0.0           | 850    | 123           | 0.0           | 980    | 2             | 0.0           |
| 465    | 19092         | 1.0           | 595    | 91428         | 43.4          | 725    | 6067          | 0.0           | 855    | 106           | 0.0           | 985    | 13            | 0.0           |
| 470    | 14951         | 0.9           | 600    | 93452         | 40.3          | 730    | 5164          | 0.0           | 860    | 95            | 0.0           | 990    | 16            | 0.0           |
| 475    | 12606         | 1.0           | 605    | 93959         | 36.4          | 735    | 4393          | 0.0           | 865    | 82            | 0.0           | 995    | 20            | 0.0           |
| 480    | 13323         | 1.3           | 610    | 93079         | 32.0          | 740    | 3694          | 0.0           | 870    | 77            | 0.0           | 1000   | 0             | 0.0           |
| 485    | 15164         | 1.8           | 615    | 90707         | 27.3          | 745    | 3157          | 0.0           | 875    | 65            | 0.0           |        |               |               |

REPORT NUMBER: SP1-2407-157-9

### Scotopic Flux vs. Wavelength



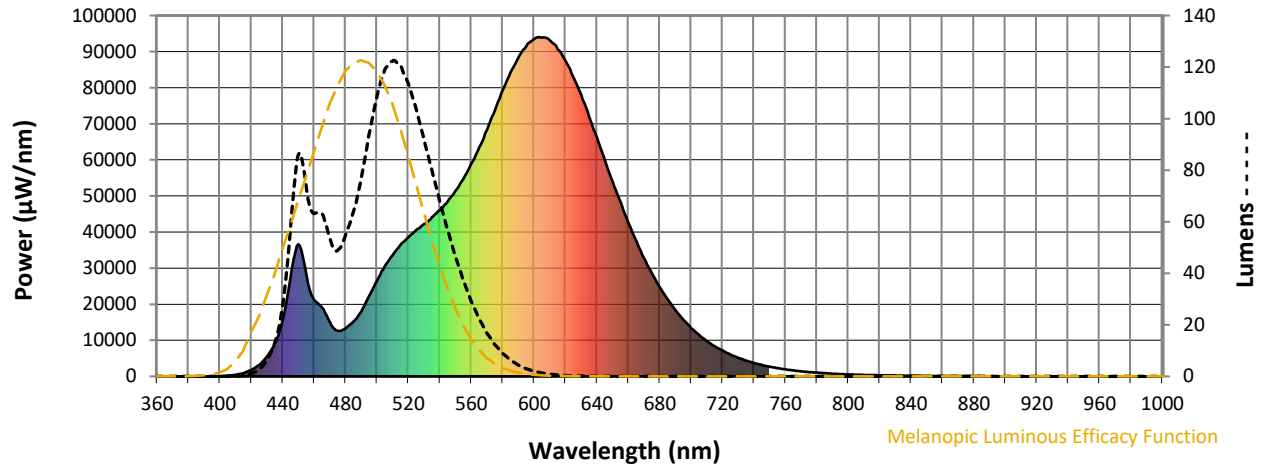
Scotopic Lumens: 5286.7

S/P: 1.22

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 0                | 0.0              | 490       | 18018            | 75.9             | 620       | 87426            | 0.4              | 750       | 2680             | 0.0              | 880       | 58               | 0.0              |
| 365       | 0                | 0.0              | 495       | 22295            | 93.2             | 625       | 83013            | 0.2              | 755       | 2287             | 0.0              | 885       | 46               | 0.0              |
| 370       | 0                | 0.0              | 500       | 26478            | 107.8            | 630       | 78077            | 0.1              | 760       | 1944             | 0.0              | 890       | 45               | 0.0              |
| 375       | 0                | 0.0              | 505       | 30524            | 118.7            | 635       | 72080            | 0.1              | 765       | 1653             | 0.0              | 895       | 41               | 0.0              |
| 380       | 0                | 0.0              | 510       | 33611            | 122.2            | 640       | 66249            | 0.1              | 770       | 1413             | 0.0              | 900       | 38               | 0.0              |
| 385       | 0                | 0.0              | 515       | 36490            | 120.8            | 645       | 59973            | 0.0              | 775       | 1198             | 0.0              | 905       | 33               | 0.0              |
| 390       | 0                | 0.0              | 520       | 38610            | 113.9            | 650       | 53972            | 0.0              | 780       | 1025             | 0.0              | 910       | 30               | 0.0              |
| 395       | 0                | 0.0              | 525       | 40511            | 104.1            | 655       | 48369            | 0.0              | 785       | 874              | 0.0              | 915       | 23               | 0.0              |
| 400       | 48               | 0.0              | 530       | 42223            | 92.4             | 660       | 42641            | 0.0              | 790       | 747              | 0.0              | 920       | 24               | 0.0              |
| 405       | 201              | 0.0              | 535       | 44137            | 80.5             | 665       | 37602            | 0.0              | 795       | 639              | 0.0              | 925       | 22               | 0.0              |
| 410       | 457              | 0.1              | 540       | 46032            | 68.2             | 670       | 32798            | 0.0              | 800       | 547              | 0.0              | 930       | 22               | 0.0              |
| 415       | 925              | 0.3              | 545       | 48553            | 57.1             | 675       | 28558            | 0.0              | 805       | 473              | 0.0              | 935       | 17               | 0.0              |
| 420       | 1816             | 1.1              | 550       | 51408            | 46.7             | 680       | 24782            | 0.0              | 810       | 401              | 0.0              | 940       | 13               | 0.0              |
| 425       | 3217             | 2.5              | 555       | 54711            | 37.4             | 685       | 21386            | 0.0              | 815       | 351              | 0.0              | 945       | 6                | 0.0              |
| 430       | 5520             | 5.9              | 560       | 58847            | 29.4             | 690       | 18413            | 0.0              | 820       | 307              | 0.0              | 950       | 10               | 0.0              |
| 435       | 9225             | 12.5             | 565       | 63386            | 22.5             | 695       | 15721            | 0.0              | 825       | 261              | 0.0              | 955       | 11               | 0.0              |
| 440       | 15522            | 26.3             | 570       | 68196            | 16.9             | 700       | 13432            | 0.0              | 830       | 228              | 0.0              | 960       | 8                | 0.0              |
| 445       | 27642            | 55.2             | 575       | 73613            | 12.4             | 705       | 11513            | 0.0              | 835       | 193              | 0.0              | 965       | 12               | 0.0              |
| 450       | 36602            | 85.4             | 580       | 79207            | 9.0              | 710       | 9780             | 0.0              | 840       | 174              | 0.0              | 970       | 3                | 0.0              |
| 455       | 28292            | 75.1             | 585       | 84248            | 6.3              | 715       | 8356             | 0.0              | 845       | 151              | 0.0              | 975       | 8                | 0.0              |
| 460       | 21166            | 63.2             | 590       | 88397            | 4.4              | 720       | 7161             | 0.0              | 850       | 123              | 0.0              | 980       | 2                | 0.0              |
| 465       | 19092            | 63.2             | 595       | 91428            | 3.0              | 725       | 6067             | 0.0              | 855       | 106              | 0.0              | 985       | 13               | 0.0              |
| 470       | 14951            | 54.2             | 600       | 93452            | 2.0              | 730       | 5164             | 0.0              | 860       | 95               | 0.0              | 990       | 16               | 0.0              |
| 475       | 12606            | 48.8             | 605       | 93959            | 1.3              | 735       | 4393             | 0.0              | 865       | 82               | 0.0              | 995       | 20               | 0.0              |
| 480       | 13323            | 54.2             | 610       | 93079            | 0.9              | 740       | 3694             | 0.0              | 870       | 77               | 0.0              | 1000      | 0                | 0.0              |
| 485       | 15164            | 63.3             | 615       | 90707            | 0.5              | 745       | 3157             | 0.0              | 875       | 65               | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2407-157-9

### Melanopic Flux vs. Wavelength



**Melanopic Lumens: 9797**

**M/P: 2.26**

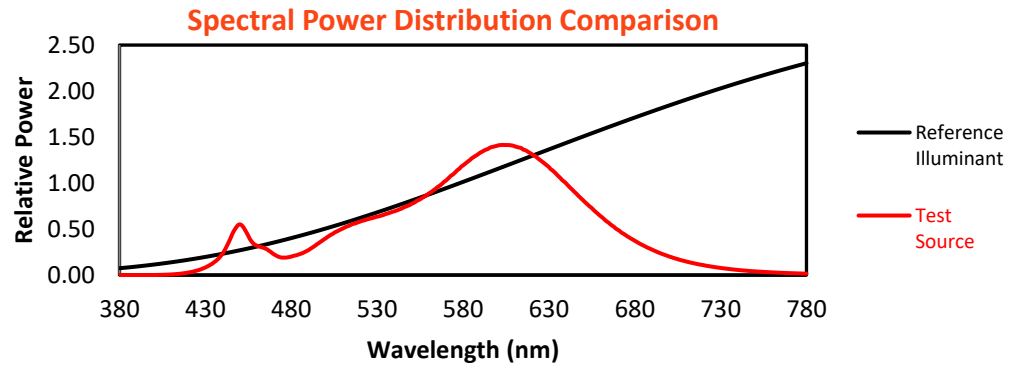
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 0                | 0.0              | 490       | 18018            | 27.7             | 620       | 87426            | 1.1              | 750       | 2680             | 0.0              | 880       | 58               | 0.0              |
| 365       | 0                | 0.0              | 495       | 22295            | 36.0             | 625       | 83013            | 0.7              | 755       | 2287             | 0.0              | 885       | 46               | 0.0              |
| 370       | 0                | 0.0              | 500       | 26478            | 44.2             | 630       | 78077            | 0.4              | 760       | 1944             | 0.0              | 890       | 45               | 0.0              |
| 375       | 0                | 0.0              | 505       | 30524            | 51.8             | 635       | 72080            | 0.3              | 765       | 1653             | 0.0              | 895       | 41               | 0.0              |
| 380       | 0                | 0.0              | 510       | 33611            | 57.0             | 640       | 66249            | 0.2              | 770       | 1413             | 0.0              | 900       | 38               | 0.0              |
| 385       | 0                | 0.0              | 515       | 36490            | 60.5             | 645       | 59973            | 0.1              | 775       | 1198             | 0.0              | 905       | 33               | 0.0              |
| 390       | 0                | 0.0              | 520       | 38610            | 61.4             | 650       | 53972            | 0.1              | 780       | 1025             | 0.0              | 910       | 30               | 0.0              |
| 395       | 0                | 0.0              | 525       | 40511            | 60.6             | 655       | 48369            | 0.0              | 785       | 874              | 0.0              | 915       | 23               | 0.0              |
| 400       | 48               | 0.0              | 530       | 42223            | 58.2             | 660       | 42641            | 0.0              | 790       | 747              | 0.0              | 920       | 24               | 0.0              |
| 405       | 201              | 0.0              | 535       | 44137            | 55.0             | 665       | 37602            | 0.0              | 795       | 639              | 0.0              | 925       | 22               | 0.0              |
| 410       | 457              | 0.0              | 540       | 46032            | 50.9             | 670       | 32798            | 0.0              | 800       | 547              | 0.0              | 930       | 22               | 0.0              |
| 415       | 925              | 0.1              | 545       | 48553            | 46.6             | 675       | 28558            | 0.0              | 805       | 473              | 0.0              | 935       | 17               | 0.0              |
| 420       | 1816             | 0.3              | 550       | 51408            | 42.0             | 680       | 24782            | 0.0              | 810       | 401              | 0.0              | 940       | 13               | 0.0              |
| 425       | 3217             | 0.8              | 555       | 54711            | 37.4             | 685       | 21386            | 0.0              | 815       | 351              | 0.0              | 945       | 6                | 0.0              |
| 430       | 5520             | 1.9              | 560       | 58847            | 32.9             | 690       | 18413            | 0.0              | 820       | 307              | 0.0              | 950       | 10               | 0.0              |
| 435       | 9225             | 4.1              | 565       | 63386            | 28.4             | 695       | 15721            | 0.0              | 825       | 261              | 0.0              | 955       | 11               | 0.0              |
| 440       | 15522            | 8.7              | 570       | 68196            | 24.1             | 700       | 13432            | 0.0              | 830       | 228              | 0.0              | 960       | 8                | 0.0              |
| 445       | 27642            | 18.5             | 575       | 73613            | 20.0             | 705       | 11513            | 0.0              | 835       | 193              | 0.0              | 965       | 12               | 0.0              |
| 450       | 36602            | 28.3             | 580       | 79207            | 16.3             | 710       | 9780             | 0.0              | 840       | 174              | 0.0              | 970       | 3                | 0.0              |
| 455       | 28292            | 24.7             | 585       | 84248            | 12.9             | 715       | 8356             | 0.0              | 845       | 151              | 0.0              | 975       | 8                | 0.0              |
| 460       | 21166            | 20.4             | 590       | 88397            | 9.8              | 720       | 7161             | 0.0              | 850       | 123              | 0.0              | 980       | 2                | 0.0              |
| 465       | 19092            | 20.1             | 595       | 91428            | 7.3              | 725       | 6067             | 0.0              | 855       | 106              | 0.0              | 985       | 13               | 0.0              |
| 470       | 14951            | 17.2             | 600       | 93452            | 5.3              | 730       | 5164             | 0.0              | 860       | 95               | 0.0              | 990       | 16               | 0.0              |
| 475       | 12606            | 15.7             | 605       | 93959            | 3.7              | 735       | 4393             | 0.0              | 865       | 82               | 0.0              | 995       | 20               | 0.0              |
| 480       | 13323            | 18.0             | 610       | 93079            | 2.5              | 740       | 3694             | 0.0              | 870       | 77               | 0.0              | 1000      | 0                | 0.0              |
| 485       | 15164            | 21.9             | 615       | 90707            | 1.7              | 745       | 3157             | 0.0              | 875       | 65               | 0.0              |           |                  |                  |

REPORT NUMBER: SP1-2407-157-9

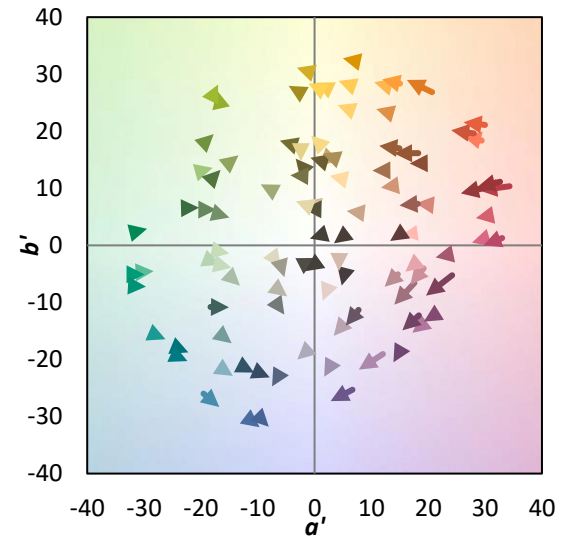
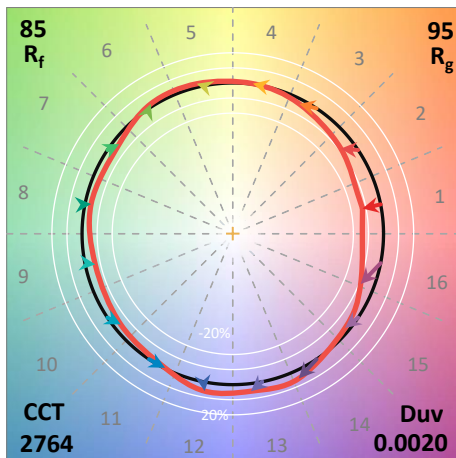
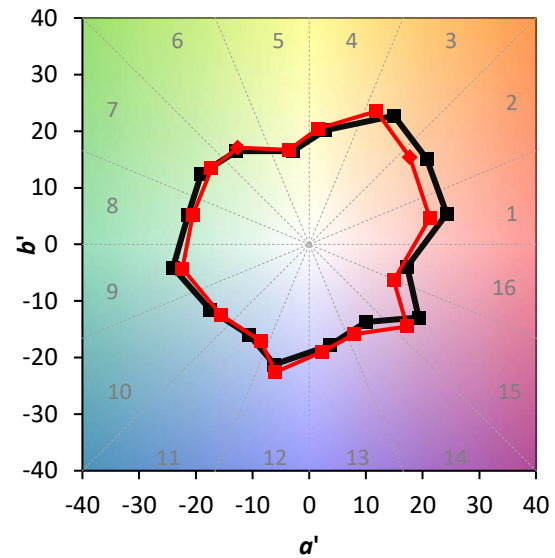
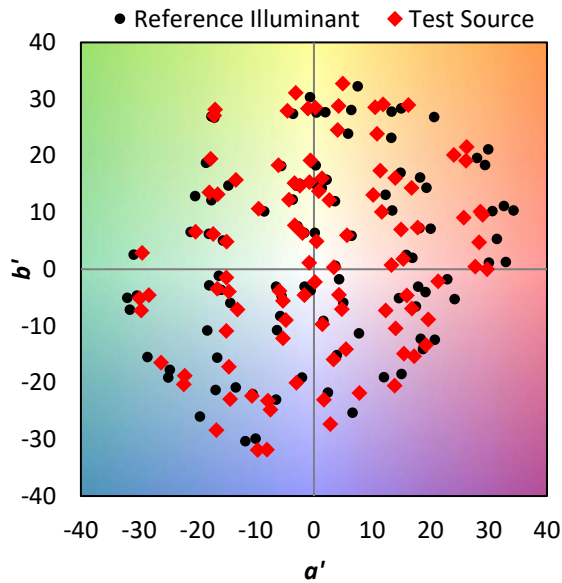
TM-30-18

### Summary

$R_f = 84.7$   
 $R_g = 94.6$   
 $CIE R_a = 80.9$   
 $R_g = -1.5$

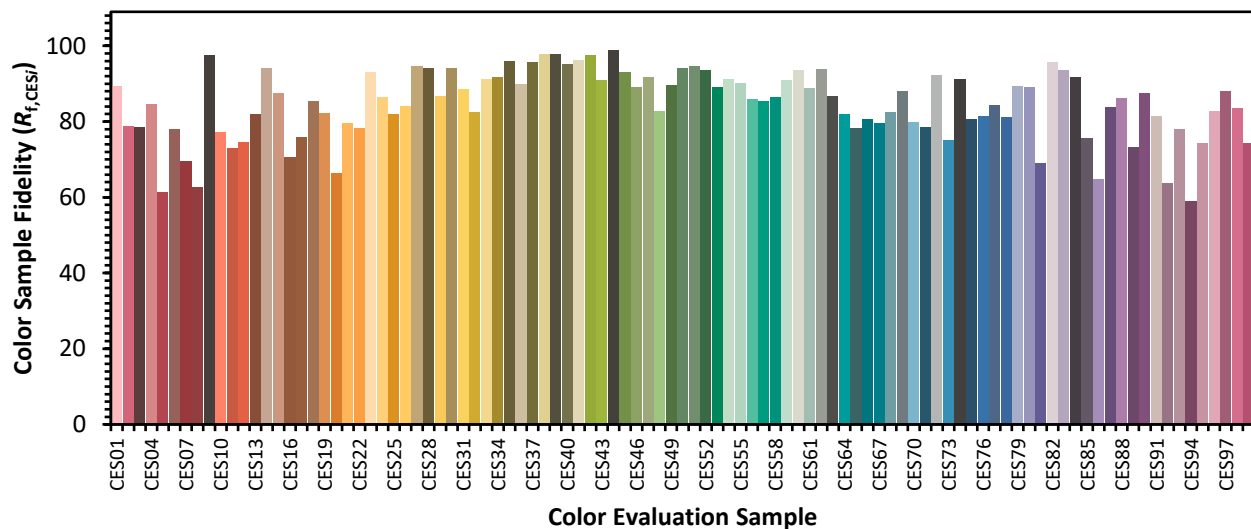


### Color Vector Graphics

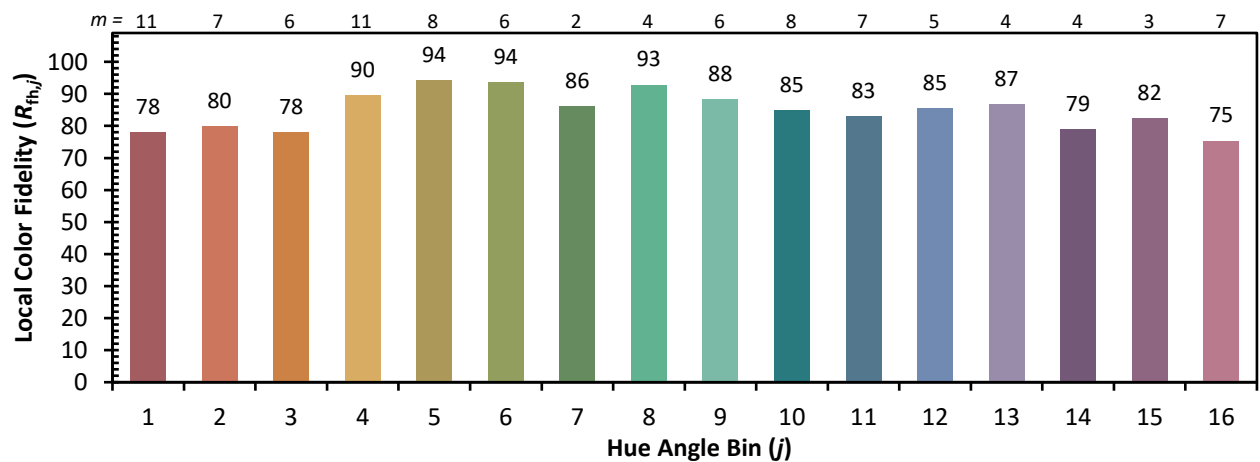
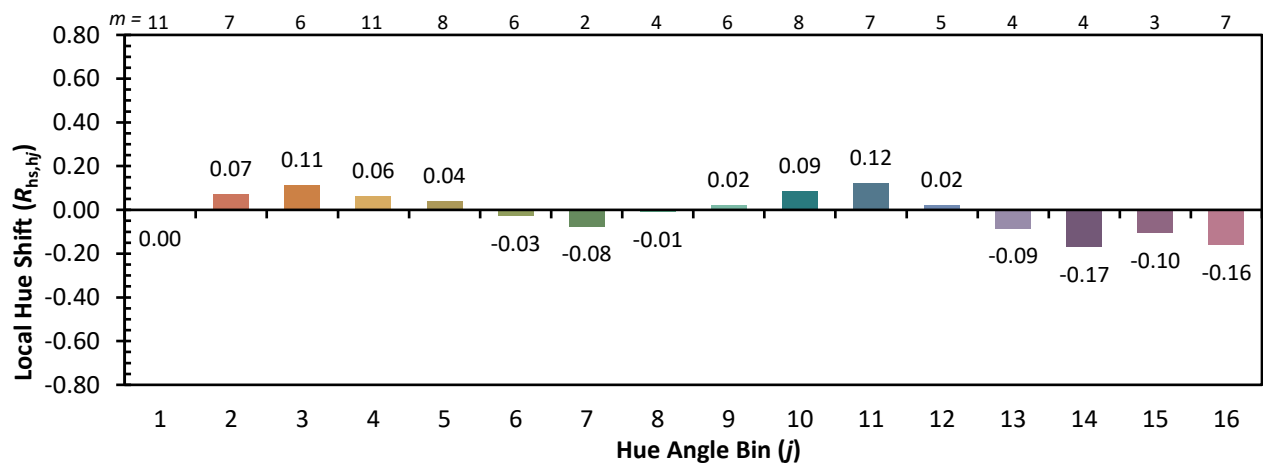
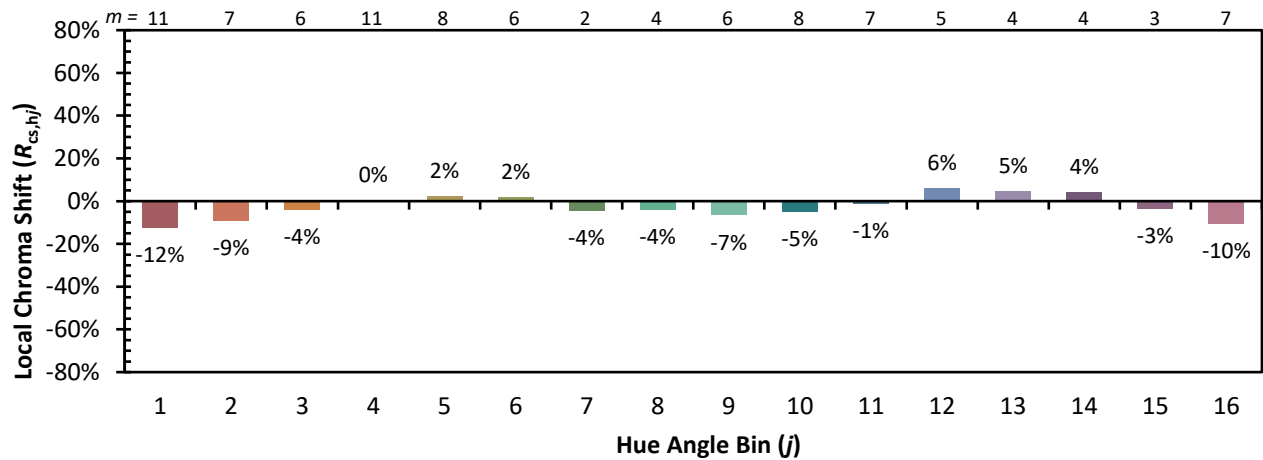


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

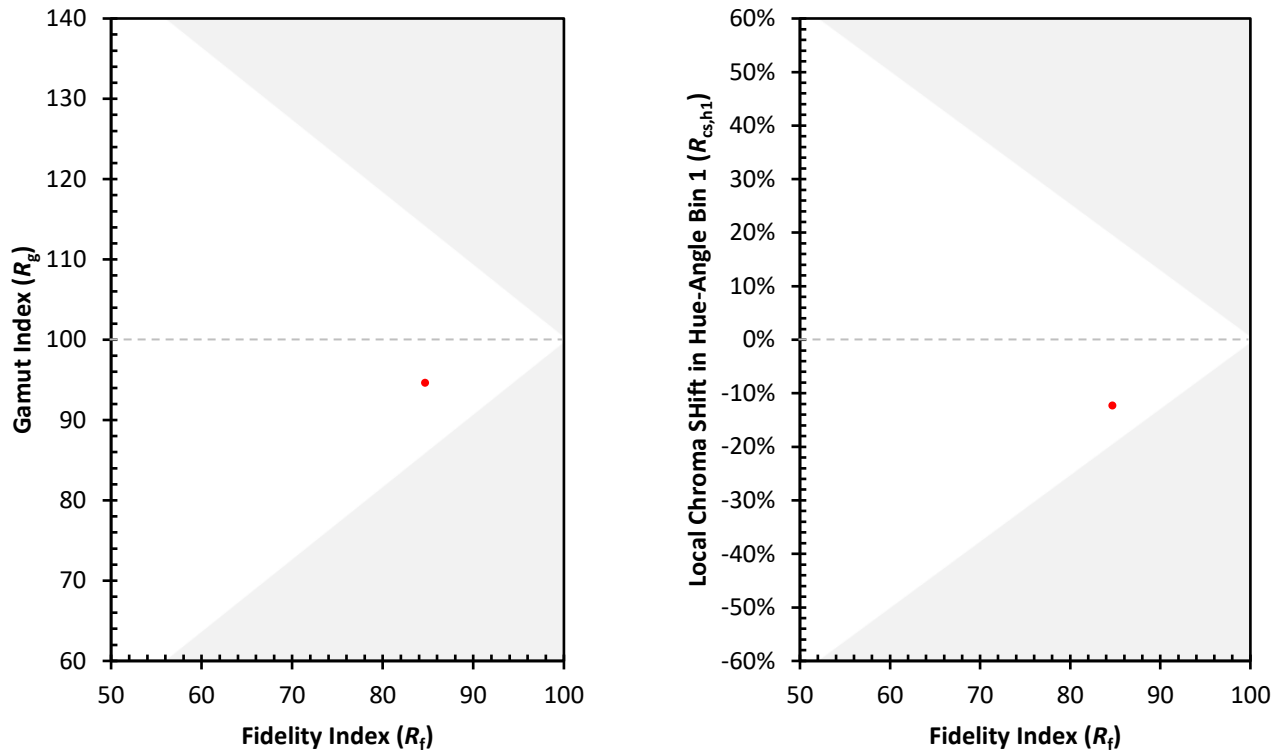
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 84 | CES51 = 95 | CES76 = 81 |
| CES02 = 63 | CES27 = 95 | CES52 = 94 | CES77 = 84 |
| CES03 = 31 | CES28 = 94 | CES53 = 89 | CES78 = 81 |
| CES04 = 71 | CES29 = 87 | CES54 = 91 | CES79 = 89 |
| CES05 = 50 | CES30 = 94 | CES55 = 90 | CES80 = 89 |
| CES06 = 52 | CES31 = 89 | CES56 = 86 | CES81 = 69 |
| CES07 = 43 | CES32 = 82 | CES57 = 85 | CES82 = 96 |
| CES08 = 41 | CES33 = 91 | CES58 = 86 | CES83 = 93 |
| CES09 = 29 | CES34 = 92 | CES59 = 91 | CES84 = 92 |
| CES10 = 77 | CES35 = 96 | CES60 = 94 | CES85 = 76 |
| CES11 = 60 | CES36 = 90 | CES61 = 89 | CES86 = 65 |
| CES12 = 66 | CES37 = 96 | CES62 = 94 | CES87 = 84 |
| CES13 = 44 | CES38 = 98 | CES63 = 87 | CES88 = 86 |
| CES14 = 74 | CES39 = 98 | CES64 = 82 | CES89 = 73 |
| CES15 = 72 | CES40 = 95 | CES65 = 78 | CES90 = 88 |
| CES16 = 48 | CES41 = 96 | CES66 = 81 | CES91 = 82 |
| CES17 = 50 | CES42 = 97 | CES67 = 80 | CES92 = 64 |
| CES18 = 57 | CES43 = 91 | CES68 = 83 | CES93 = 78 |
| CES19 = 73 | CES44 = 99 | CES69 = 88 | CES94 = 59 |
| CES20 = 67 | CES45 = 93 | CES70 = 80 | CES95 = 74 |
| CES21 = 87 | CES46 = 89 | CES71 = 79 | CES96 = 83 |
| CES22 = 79 | CES47 = 92 | CES72 = 92 | CES97 = 88 |
| CES23 = 92 | CES48 = 83 | CES73 = 75 | CES98 = 83 |
| CES24 = 91 | CES49 = 90 | CES74 = 91 | CES99 = 74 |
| CES25 = 72 | CES50 = 94 | CES75 = 81 |            |



Color Rendition by Hue-Angle Bin



**Measure Comparisons**



(END OF REPORT)