

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: P320293

Luminaire Tested: **GLEON-SA9C-730-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320293  
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-SA9C-730-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 1050mA 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: 50606 lumens  
Efficiency: N/A  
Efficacy: 101.0 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

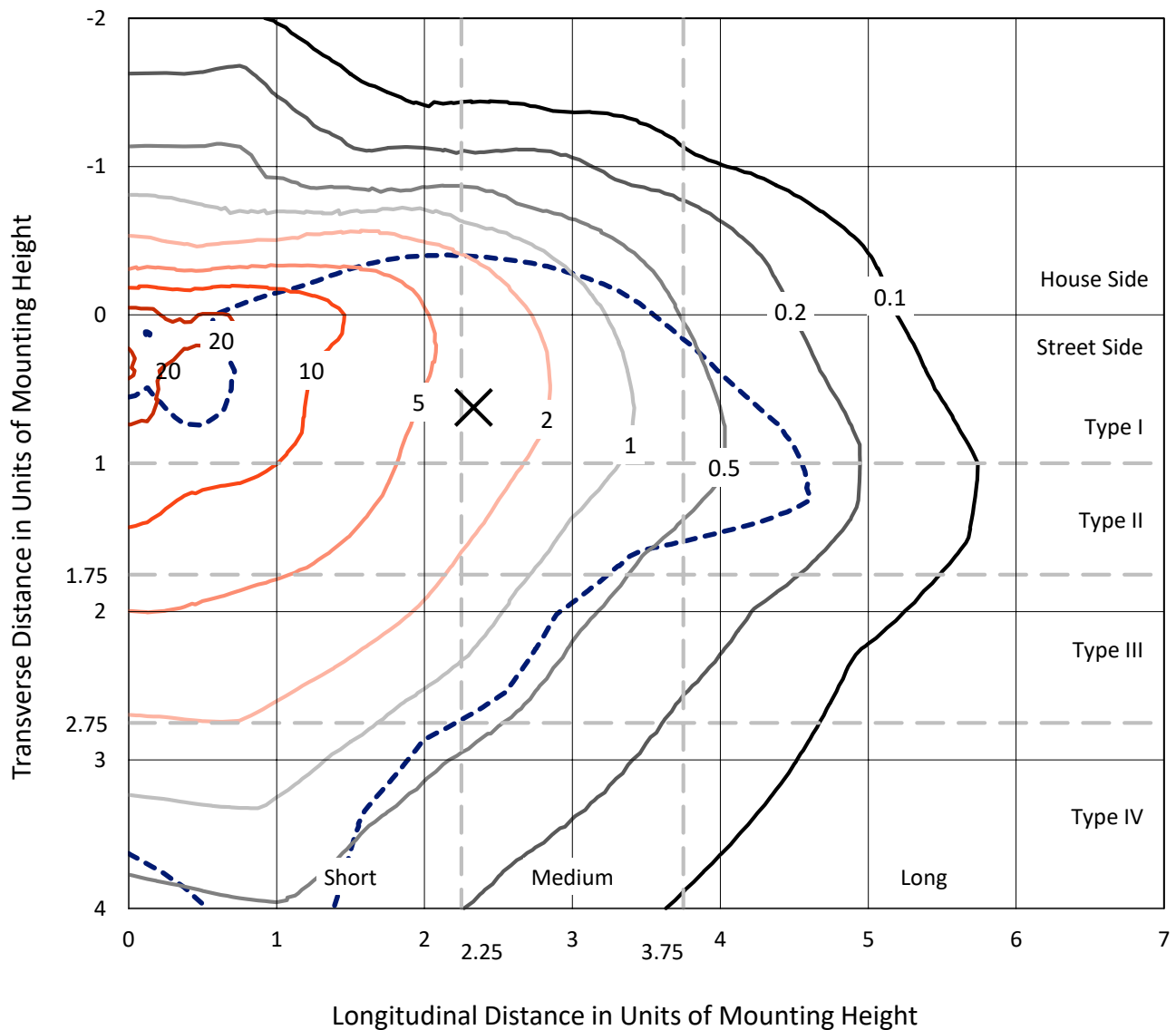
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

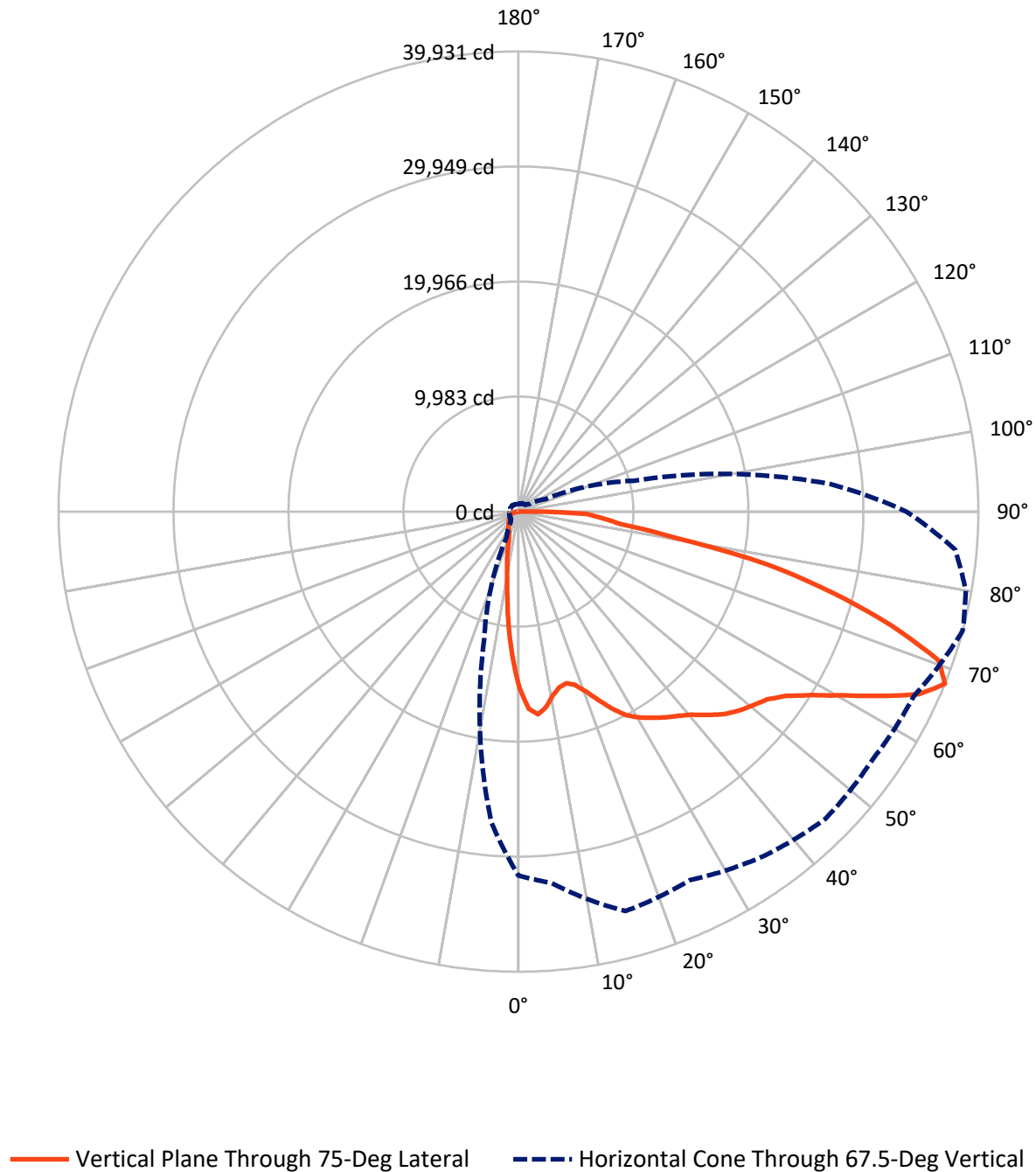
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 8913.0   | 0.0    | 8913.0  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 41693.0  | 0.0    | 41693.0 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 50606.0  | 0.0    | 50606.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1189.9  | 2.4       |
| 10°-20°   | 2471.9  | 4.9       |
| 20°-30°   | 3515.5  | 6.9       |
| 30°-40°   | 5065.8  | 10.0      |
| 40°-50°   | 7139.2  | 14.1      |
| 50°-60°   | 9924.7  | 19.6      |
| 60°-70°   | 12001.9 | 23.7      |
| 70°-80°   | 7377.4  | 14.6      |
| 80°-90°   | 1919.7  | 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°    | 50606.0 | 100.0     |
| 0°-180°   | 50606.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P320293

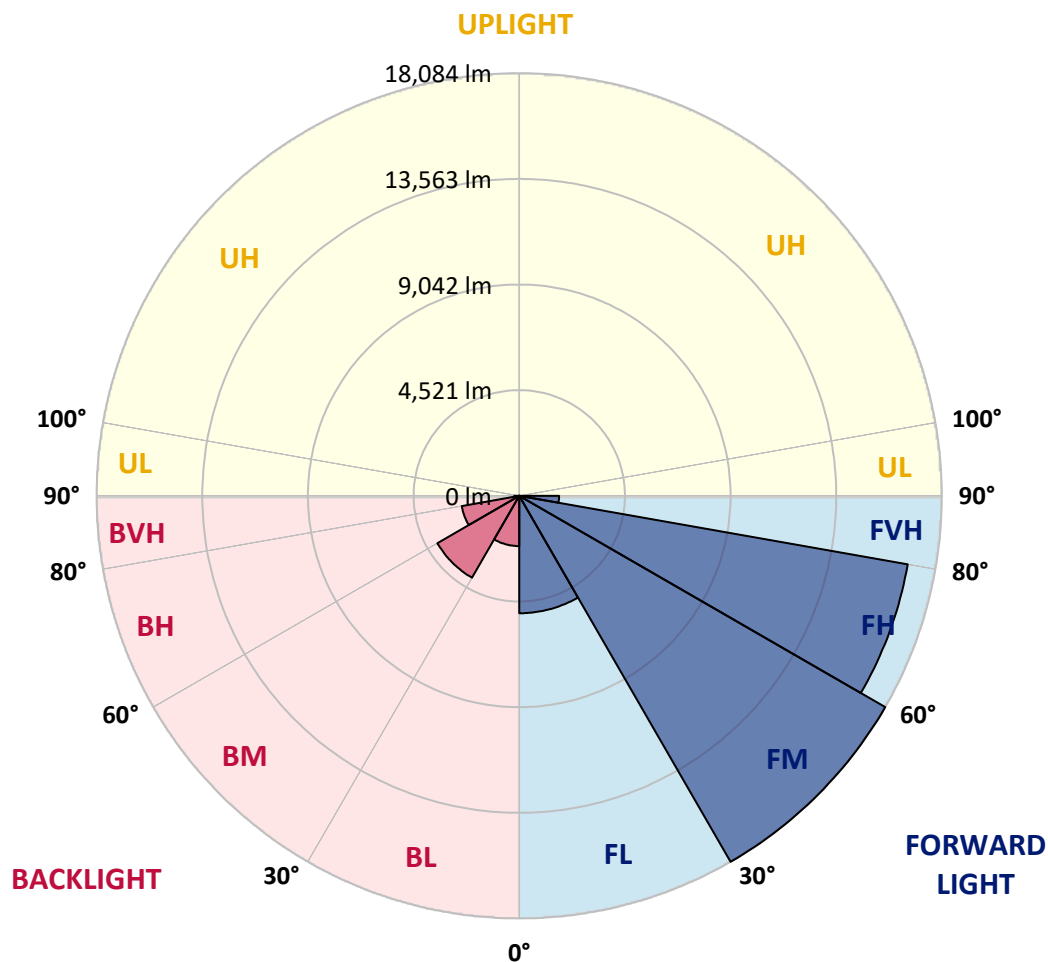
CATALOG NUMBER: GLEON-SA9C-730-U-SLL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 5024.7  | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 18083.9 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 16880.5 | 33.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 1704.0  | 3.4       |                         |      | G5      |
| BL   | (0°-30°)    | 2152.6  | 4.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 4045.8  | 8.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2498.9  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 215.7   | 0.4       |                         |      | 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 III Medium



REPORT NUMBER: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 16433.0 | 16649.5 | 16799.3 | 16947.0 | 17062.3 | 17175.6 | 17341.5 | 17507.4 | 17539.8 | 17570.1 | 17505.4 |
| 5°     | 16335.9 | 16864.0 | 17313.2 | 17760.3 | 18175.1 | 18589.9 | 18838.7 | 19087.6 | 19138.2 | 19188.7 | 19032.9 |
| 7.5°   | 15289.9 | 16068.8 | 16847.8 | 17626.8 | 18341.0 | 19055.2 | 19490.2 | 19923.2 | 20022.3 | 20119.4 | 19864.5 |
| 10°    | 14100.2 | 15006.6 | 15963.6 | 16920.6 | 17861.5 | 18802.3 | 19431.5 | 20060.8 | 20186.2 | 20311.7 | 19994.0 |
| 12.5°  | 13195.8 | 14185.2 | 15206.9 | 16228.7 | 17222.1 | 18213.5 | 18865.0 | 19516.5 | 19672.3 | 19828.1 | 19597.4 |
| 15°    | 12847.8 | 13932.3 | 14893.3 | 15854.4 | 16720.3 | 17584.3 | 18118.4 | 18650.5 | 18715.3 | 18778.0 | 18741.6 |
| 17.5°  | 13195.8 | 14391.6 | 15261.6 | 16129.5 | 16601.0 | 17070.4 | 17284.8 | 17497.3 | 17568.1 | 17636.9 | 17730.0 |
| 20°    | 14213.5 | 15504.4 | 16117.4 | 16728.4 | 16708.2 | 16685.9 | 16582.8 | 16477.6 | 16459.3 | 16441.1 | 16704.2 |
| 22.5°  | 15666.2 | 17165.5 | 17410.3 | 17653.1 | 17084.5 | 16516.0 | 16170.0 | 15822.0 | 15753.2 | 15682.4 | 15961.6 |
| 25°    | 17371.8 | 18968.2 | 18923.7 | 18877.2 | 17794.7 | 16710.2 | 16050.6 | 15391.1 | 15314.2 | 15237.3 | 15476.0 |
| 27.5°  | 19227.2 | 20752.7 | 20461.4 | 20170.0 | 18699.1 | 17228.2 | 16271.2 | 15314.2 | 15237.3 | 15160.4 | 15370.8 |
| 30°    | 20677.9 | 22061.8 | 21594.4 | 21127.0 | 19461.9 | 17796.7 | 16659.6 | 15522.6 | 15397.1 | 15269.7 | 15528.6 |
| 32.5°  | 21906.0 | 23083.5 | 22456.3 | 21829.1 | 20081.0 | 18332.9 | 17102.7 | 15872.6 | 15676.3 | 15480.1 | 15826.1 |
| 35°    | 23184.7 | 24103.3 | 23221.1 | 22337.0 | 20633.4 | 18927.7 | 17626.8 | 16323.8 | 16083.0 | 15842.2 | 16317.7 |
| 37.5°  | 24623.3 | 25386.0 | 24119.5 | 22850.9 | 21254.5 | 19658.1 | 18411.8 | 17163.4 | 16916.6 | 16669.8 | 17276.7 |
| 40°    | 26142.7 | 26778.0 | 25088.6 | 23399.2 | 21934.3 | 20469.5 | 19498.3 | 18525.1 | 18290.4 | 18053.7 | 18790.2 |
| 42.5°  | 27472.0 | 27935.4 | 25991.0 | 24046.6 | 22753.7 | 21458.9 | 20775.0 | 20089.1 | 20087.1 | 20083.0 | 20829.6 |
| 45°    | 28473.5 | 28876.2 | 26743.6 | 24609.1 | 23552.9 | 22494.8 | 22138.7 | 21782.6 | 22067.9 | 22353.1 | 23028.9 |
| 47.5°  | 29305.1 | 29578.3 | 27374.9 | 25169.5 | 24467.5 | 23765.4 | 23818.0 | 23870.6 | 24451.3 | 25032.0 | 25467.0 |
| 50°    | 30256.1 | 30035.5 | 27947.5 | 25857.5 | 25641.0 | 25424.5 | 25897.9 | 26369.3 | 27037.0 | 27702.7 | 27998.1 |
| 52.5°  | 31285.9 | 30701.2 | 28724.4 | 26745.7 | 26988.5 | 27231.3 | 28194.3 | 29157.4 | 29831.2 | 30504.9 | 30616.2 |
| 55°    | 33137.2 | 32240.9 | 30152.9 | 28062.8 | 28530.2 | 28995.6 | 30409.8 | 31822.1 | 32348.1 | 32874.2 | 32914.6 |
| 57.5°  | 35223.2 | 34428.0 | 32153.9 | 29879.7 | 30381.5 | 30883.3 | 32516.1 | 34146.8 | 34715.4 | 35281.9 | 35203.0 |
| 60°    | 36026.4 | 36064.9 | 34053.7 | 32040.6 | 32546.4 | 33052.2 | 34642.5 | 36232.8 | 36886.3 | 37537.8 | 37363.8 |
| 62.5°  | 35217.1 | 36166.0 | 35091.7 | 34015.3 | 34474.6 | 34931.8 | 36489.8 | 38047.7 | 38717.4 | 39387.1 | 39083.6 |
| 65°    | 33616.7 | 34557.5 | 35039.1 | 35520.6 | 35672.4 | 35824.1 | 37278.8 | 38731.6 | 39245.5 | 39757.4 | 39603.6 |
| 67.5°  | 31581.3 | 32342.0 | 34118.5 | 35892.9 | 35587.4 | 35281.9 | 35963.7 | 36645.6 | 37173.6 | 37701.7 | 37614.7 |
| 70°    | 29224.2 | 30130.6 | 32499.9 | 34869.1 | 33367.9 | 31864.6 | 31583.3 | 31302.1 | 31872.7 | 32441.2 | 32089.1 |
| 72.5°  | 24997.6 | 26365.3 | 28892.4 | 31417.4 | 28651.6 | 25885.8 | 24924.7 | 23963.7 | 24686.0 | 25408.3 | 24847.8 |
| 75°    | 18881.2 | 20696.1 | 23488.2 | 26278.3 | 22978.3 | 19678.4 | 18395.6 | 17112.9 | 17734.0 | 18355.2 | 17970.7 |
| 77.5°  | 13131.1 | 15407.2 | 18156.9 | 20906.5 | 17551.9 | 14195.3 | 13242.3 | 12287.3 | 12473.5 | 12657.6 | 12592.9 |
| 80°    | 8953.0  | 10450.2 | 12368.3 | 14284.3 | 12050.6 | 9816.9  | 9891.8  | 9964.6  | 9877.6  | 9788.6  | 9918.1  |
| 82.5°  | 5614.6  | 6668.7  | 8149.8  | 9628.8  | 8443.1  | 7257.5  | 7937.3  | 8617.1  | 8283.3  | 7947.4  | 8072.9  |
| 85°    | 3162.4  | 3805.8  | 5254.4  | 6701.1  | 6245.8  | 5788.6  | 6187.2  | 6583.7  | 6065.8  | 5547.8  | 5776.4  |
| 87.5°  | 602.9   | 1003.5  | 2907.4  | 4809.3  | 4366.2  | 3923.1  | 3409.2  | 2895.3  | 2209.4  | 1523.5  | 2225.6  |
| 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: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-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 |



REPORT NUMBER: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 17440.6 | 17406.2 | 17371.8 | 17248.4 | 17123.0 | 16936.8 | 16783.1 | 16516.0 | 16370.3 | 16149.8 | 15929.2 |
| 5°     | 18875.1 | 18656.6 | 18438.1 | 18061.8 | 17683.4 | 17262.6 | 16779.0 | 16242.9 | 15838.2 | 15312.1 | 14786.1 |
| 7.5°   | 19609.6 | 19099.7 | 18587.8 | 17865.5 | 17141.2 | 16489.7 | 15724.9 | 15012.7 | 14405.7 | 13721.9 | 13038.0 |
| 10°    | 19676.3 | 18911.6 | 18144.7 | 17205.9 | 16265.1 | 15474.0 | 14593.9 | 13802.8 | 13074.4 | 12289.4 | 11502.3 |
| 12.5°  | 19364.8 | 18551.4 | 17736.0 | 16702.1 | 15666.2 | 14767.9 | 13821.0 | 12934.8 | 12127.5 | 11263.6 | 10397.6 |
| 15°    | 18705.2 | 18055.7 | 17404.2 | 16435.1 | 15465.9 | 14559.5 | 13640.9 | 12590.8 | 11678.3 | 10794.2 | 9908.0  |
| 17.5°  | 17821.0 | 17513.5 | 17203.9 | 16503.9 | 15801.8 | 15016.7 | 14126.5 | 12894.3 | 11826.0 | 10865.0 | 9903.9  |
| 20°    | 16965.2 | 17078.5 | 17189.7 | 16910.5 | 16631.3 | 16002.1 | 15225.1 | 13841.2 | 12477.5 | 11221.1 | 9962.6  |
| 22.5°  | 16238.8 | 16783.1 | 17325.3 | 17541.8 | 17756.3 | 17377.9 | 16770.9 | 15170.5 | 13365.8 | 11724.9 | 10084.0 |
| 25°    | 15712.8 | 16615.1 | 17517.5 | 18237.8 | 18956.1 | 18788.1 | 18320.8 | 16785.1 | 14543.3 | 12451.2 | 10357.1 |
| 27.5°  | 15581.2 | 16688.0 | 17794.7 | 18911.6 | 20026.4 | 20182.2 | 20052.7 | 18486.7 | 15947.5 | 13353.6 | 10757.8 |
| 30°    | 15787.6 | 16908.5 | 18027.4 | 19387.0 | 20744.6 | 21365.8 | 21539.8 | 19905.0 | 17551.9 | 14405.7 | 11257.5 |
| 32.5°  | 16172.0 | 17270.7 | 18369.3 | 19850.4 | 21329.4 | 22268.2 | 22822.5 | 21201.9 | 18670.8 | 15198.8 | 11724.9 |
| 35°    | 16793.2 | 17821.0 | 18848.8 | 20390.6 | 21932.3 | 23146.3 | 24157.9 | 22541.3 | 19664.2 | 15753.2 | 11840.2 |
| 37.5°  | 17881.7 | 18765.9 | 19650.0 | 21074.4 | 22496.8 | 24070.9 | 25590.4 | 24016.3 | 20738.6 | 16287.4 | 11834.1 |
| 40°    | 19526.6 | 20151.8 | 20775.0 | 21978.8 | 23180.7 | 25161.4 | 27213.0 | 25661.2 | 21926.2 | 16866.0 | 11805.8 |
| 42.5°  | 21576.2 | 21897.9 | 22217.6 | 23170.5 | 24123.5 | 26300.6 | 28686.0 | 27269.7 | 23059.3 | 17404.2 | 11749.2 |
| 45°    | 23702.7 | 23787.6 | 23872.6 | 24473.5 | 25072.4 | 27202.9 | 29689.5 | 28477.6 | 24048.6 | 17871.6 | 11692.5 |
| 47.5°  | 25899.9 | 25608.6 | 25317.2 | 25556.0 | 25794.7 | 27894.9 | 30405.8 | 29394.1 | 25042.1 | 18389.5 | 11735.0 |
| 50°    | 28293.5 | 27482.1 | 26670.8 | 26545.4 | 26419.9 | 28586.9 | 31249.5 | 30559.5 | 26235.8 | 19144.2 | 12052.6 |
| 52.5°  | 30725.5 | 29388.1 | 28050.7 | 27555.0 | 27057.3 | 29412.3 | 32368.4 | 32010.2 | 27939.4 | 20313.7 | 12685.9 |
| 55°    | 32955.1 | 31253.5 | 29552.0 | 28884.3 | 28216.6 | 30674.9 | 33734.1 | 34140.7 | 30122.5 | 21808.9 | 13493.2 |
| 57.5°  | 35122.0 | 33193.8 | 31265.7 | 30646.5 | 30027.4 | 32530.2 | 35464.0 | 36052.7 | 32327.9 | 23243.4 | 14156.9 |
| 60°    | 37189.8 | 35281.9 | 33371.9 | 32876.2 | 32378.5 | 34836.7 | 37333.5 | 36904.5 | 33465.0 | 23915.1 | 14363.2 |
| 62.5°  | 38780.1 | 37262.7 | 35745.2 | 35484.2 | 35221.2 | 37169.6 | 38770.0 | 36572.7 | 32742.7 | 23253.5 | 13764.3 |
| 65°    | 39449.8 | 38585.9 | 37719.9 | 37964.7 | 38207.5 | 38933.9 | 39128.1 | 35601.5 | 30472.5 | 21400.2 | 12327.8 |
| 67.5°  | 37525.7 | 37701.7 | 37877.7 | 38905.6 | 39931.4 | 39431.6 | 38063.9 | 33687.5 | 27241.4 | 18774.0 | 10306.6 |
| 70°    | 31735.1 | 32791.2 | 33845.3 | 36277.3 | 38707.3 | 37598.5 | 35213.1 | 30252.0 | 23352.6 | 15749.2 | 8143.7  |
| 72.5°  | 24285.4 | 25473.0 | 26658.7 | 30268.2 | 33875.7 | 32853.9 | 29932.3 | 24847.8 | 18723.4 | 12576.7 | 6427.9  |
| 75°    | 17584.3 | 18925.7 | 20265.1 | 24246.9 | 28228.7 | 26810.4 | 22389.6 | 17790.7 | 14221.6 | 9600.4  | 4977.3  |
| 77.5°  | 12526.1 | 13424.4 | 14322.8 | 18256.0 | 22187.2 | 19876.7 | 14903.4 | 11971.7 | 9843.2  | 6672.8  | 3500.3  |
| 80°    | 10047.6 | 9772.4  | 9497.3  | 11688.5 | 13879.7 | 13495.2 | 9857.4  | 7688.4  | 6812.4  | 4471.4  | 2130.5  |
| 82.5°  | 8196.3  | 7524.6  | 6852.8  | 7884.7  | 8916.6  | 8859.9  | 6840.7  | 5640.9  | 5070.3  | 3107.8  | 1145.2  |
| 85°    | 6003.1  | 5734.0  | 5464.9  | 6377.4  | 7289.9  | 6510.9  | 4633.3  | 3585.2  | 3953.5  | 2288.3  | 623.2   |
| 87.5°  | 2927.7  | 3344.5  | 3759.2  | 4835.6  | 5910.0  | 4437.0  | 1406.2  | 696.0   | 963.1   | 633.3   | 301.5   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-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: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 15765.4 | 15599.4 | 15411.3 | 15223.1 | 15008.7 | 14792.2 | 14664.7 | 14535.2 | 14395.6 | 14256.0 | 14098.2 |
| 5°     | 14438.1 | 14090.1 | 13695.5 | 13301.0 | 12910.5 | 12520.0 | 12309.6 | 12099.2 | 11876.6 | 11652.0 | 11457.8 |
| 7.5°   | 12532.2 | 12024.3 | 11478.0 | 10929.7 | 10444.1 | 9956.5  | 9655.1  | 9351.6  | 9076.4  | 8799.2  | 8566.5  |
| 10°    | 10854.9 | 10207.4 | 9659.1  | 9108.8  | 8742.6  | 8376.4  | 8099.2  | 7822.0  | 7554.9  | 7285.8  | 7028.9  |
| 12.5°  | 9750.2  | 9102.7  | 8754.7  | 8406.7  | 8103.2  | 7799.7  | 7480.0  | 7158.3  | 6792.1  | 6423.9  | 6154.8  |
| 15°    | 9319.2  | 8730.4  | 8344.0  | 7955.5  | 7548.8  | 7140.1  | 6747.6  | 6355.1  | 5922.1  | 5489.1  | 5183.6  |
| 17.5°  | 9133.1  | 8362.2  | 7822.0  | 7279.7  | 6743.6  | 6207.4  | 5752.2  | 5296.9  | 4823.5  | 4350.0  | 4040.5  |
| 20°    | 8936.8  | 7911.0  | 7186.7  | 6460.3  | 5772.4  | 5084.5  | 4568.6  | 4052.6  | 3629.8  | 3206.9  | 2970.2  |
| 22.5°  | 8758.8  | 7431.5  | 6523.0  | 5612.6  | 4799.2  | 3985.9  | 3480.0  | 2972.2  | 2713.2  | 2454.2  | 2359.1  |
| 25°    | 8685.9  | 7012.7  | 5895.8  | 4779.0  | 3921.1  | 3061.2  | 2701.1  | 2340.9  | 2241.8  | 2140.6  | 2092.1  |
| 27.5°  | 8698.1  | 6638.4  | 5367.7  | 4095.1  | 3322.2  | 2549.3  | 2302.5  | 2055.6  | 1994.9  | 1932.2  | 1901.9  |
| 30°    | 8744.6  | 6231.7  | 4870.0  | 3508.4  | 2871.0  | 2233.7  | 2073.9  | 1912.0  | 1847.3  | 1782.5  | 1744.1  |
| 32.5°  | 8797.2  | 5867.5  | 4485.6  | 3101.7  | 2581.7  | 2059.7  | 1928.2  | 1794.6  | 1731.9  | 1669.2  | 1630.8  |
| 35°    | 8706.2  | 5570.1  | 4222.6  | 2875.1  | 2395.6  | 1914.0  | 1802.7  | 1689.4  | 1620.6  | 1551.9  | 1515.4  |
| 37.5°  | 8552.4  | 5270.6  | 4018.2  | 2763.8  | 2274.2  | 1782.5  | 1701.6  | 1618.6  | 1547.8  | 1475.0  | 1440.6  |
| 40°    | 8412.8  | 5017.7  | 3866.5  | 2713.2  | 2207.4  | 1699.6  | 1630.8  | 1562.0  | 1489.1  | 1414.3  | 1373.8  |
| 42.5°  | 8299.5  | 4847.8  | 3716.8  | 2585.7  | 2146.7  | 1705.6  | 1608.5  | 1509.4  | 1438.5  | 1367.7  | 1323.2  |
| 45°    | 8214.5  | 4736.5  | 3599.4  | 2462.3  | 2090.0  | 1717.8  | 1594.3  | 1470.9  | 1400.1  | 1327.3  | 1274.7  |
| 47.5°  | 8206.4  | 4677.8  | 3516.5  | 2355.1  | 1982.8  | 1608.5  | 1557.9  | 1507.3  | 1404.2  | 1298.9  | 1238.2  |
| 50°    | 8317.7  | 4582.7  | 3419.3  | 2253.9  | 1879.6  | 1505.3  | 1574.1  | 1640.9  | 1464.9  | 1286.8  | 1209.9  |
| 52.5°  | 8550.4  | 4414.8  | 3265.6  | 2116.3  | 1754.2  | 1390.0  | 1497.2  | 1602.4  | 1450.7  | 1296.9  | 1197.8  |
| 55°    | 8831.6  | 4167.9  | 3032.9  | 1895.8  | 1588.3  | 1278.7  | 1373.8  | 1466.9  | 1371.8  | 1274.7  | 1155.3  |
| 57.5°  | 9007.6  | 3856.4  | 2739.5  | 1622.7  | 1402.1  | 1181.6  | 1236.2  | 1288.8  | 1250.4  | 1211.9  | 1090.5  |
| 60°    | 8902.4  | 3441.6  | 2409.7  | 1375.8  | 1238.2  | 1100.7  | 1090.5  | 1078.4  | 1135.1  | 1191.7  | 1052.1  |
| 62.5°  | 8388.5  | 3012.7  | 2118.4  | 1224.1  | 1120.9  | 1015.7  | 993.4   | 969.1   | 1062.2  | 1153.3  | 1005.6  |
| 65°    | 7520.5  | 2713.2  | 1934.3  | 1155.3  | 1040.0  | 924.6   | 900.4   | 876.1   | 904.4   | 932.7   | 863.9   |
| 67.5°  | 6417.8  | 2529.1  | 1829.0  | 1129.0  | 989.4   | 847.8   | 819.4   | 791.1   | 785.0   | 779.0   | 754.7   |
| 70°    | 5280.7  | 2415.8  | 1760.2  | 1104.7  | 934.8   | 762.8   | 736.5   | 710.2   | 702.1   | 692.0   | 673.8   |
| 72.5°  | 4414.8  | 2401.6  | 1752.2  | 1102.7  | 890.2   | 677.8   | 653.5   | 629.2   | 619.1   | 607.0   | 592.8   |
| 75°    | 3615.6  | 2253.9  | 1663.1  | 1072.3  | 829.5   | 584.7   | 562.5   | 540.2   | 532.1   | 522.0   | 509.9   |
| 77.5°  | 2682.9  | 1865.5  | 1398.1  | 930.7   | 710.2   | 489.6   | 467.4   | 443.1   | 441.1   | 437.0   | 426.9   |
| 80°    | 1740.0  | 1349.5  | 999.5   | 649.5   | 518.0   | 384.4   | 366.2   | 346.0   | 348.0   | 350.0   | 341.9   |
| 82.5°  | 967.1   | 787.1   | 611.0   | 435.0   | 354.1   | 273.1   | 265.0   | 254.9   | 261.0   | 265.0   | 254.9   |
| 85°    | 509.9   | 396.6   | 327.8   | 259.0   | 204.4   | 149.7   | 149.7   | 147.7   | 155.8   | 163.9   | 155.8   |
| 87.5°  | 220.5   | 139.6   | 119.4   | 97.1    | 54.6    | 10.1    | 12.1    | 12.1    | 16.2    | 20.2    | 18.2    |
| 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: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

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

REPORT NUMBER: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 13938.3 | 13790.6 | 13640.9 | 13477.0 | 13507.4 | 13381.9 | 13256.5 | 13177.6 | 13098.7 | 13074.4 | 13050.1 |
| 5°     | 11263.6 | 11095.6 | 10925.7 | 10773.9 | 10905.5 | 10816.4 | 10727.4 | 10715.3 | 10701.1 | 10701.1 | 10699.1 |
| 7.5°   | 8333.9  | 8153.8  | 7971.7  | 7846.3  | 7975.7  | 7959.6  | 7943.4  | 8030.4  | 8117.4  | 8188.2  | 8257.0  |
| 10°    | 6771.9  | 6553.4  | 6332.9  | 6146.7  | 6114.3  | 6021.3  | 5926.2  | 5946.4  | 5964.6  | 6041.5  | 6118.4  |
| 12.5°  | 5885.7  | 5624.7  | 5363.7  | 5145.2  | 5046.0  | 4892.3  | 4736.5  | 4639.4  | 4542.3  | 4552.4  | 4560.5  |
| 15°    | 4876.1  | 4623.2  | 4368.3  | 4180.1  | 4117.4  | 3998.0  | 3878.6  | 3757.2  | 3633.8  | 3583.2  | 3530.6  |
| 17.5°  | 3728.9  | 3526.6  | 3322.2  | 3196.8  | 3196.8  | 3162.4  | 3128.0  | 3067.3  | 3004.6  | 2954.0  | 2901.4  |
| 20°    | 2733.4  | 2626.2  | 2517.0  | 2464.3  | 2480.5  | 2482.6  | 2482.6  | 2512.9  | 2543.3  | 2527.1  | 2510.9  |
| 22.5°  | 2262.0  | 2223.6  | 2185.1  | 2162.9  | 2171.0  | 2173.0  | 2175.0  | 2203.3  | 2229.6  | 2249.9  | 2268.1  |
| 25°    | 2041.5  | 2017.2  | 1992.9  | 1984.8  | 2003.0  | 2005.1  | 2005.1  | 2023.3  | 2041.5  | 2061.7  | 2081.9  |
| 27.5°  | 1869.5  | 1859.4  | 1849.3  | 1835.1  | 1853.3  | 1853.3  | 1851.3  | 1871.5  | 1889.7  | 1907.9  | 1924.1  |
| 30°    | 1705.6  | 1709.7  | 1711.7  | 1707.6  | 1719.8  | 1727.9  | 1733.9  | 1748.1  | 1760.2  | 1774.4  | 1788.6  |
| 32.5°  | 1590.3  | 1584.2  | 1578.2  | 1574.1  | 1600.4  | 1614.6  | 1628.7  | 1642.9  | 1655.0  | 1661.1  | 1667.2  |
| 35°    | 1479.0  | 1464.9  | 1450.7  | 1440.6  | 1464.9  | 1483.1  | 1501.3  | 1527.6  | 1551.9  | 1555.9  | 1559.9  |
| 37.5°  | 1404.2  | 1385.9  | 1367.7  | 1355.6  | 1365.7  | 1373.8  | 1381.9  | 1410.2  | 1438.5  | 1454.7  | 1468.9  |
| 40°    | 1333.3  | 1315.1  | 1296.9  | 1286.8  | 1292.9  | 1294.9  | 1296.9  | 1311.1  | 1323.2  | 1353.6  | 1381.9  |
| 42.5°  | 1276.7  | 1254.4  | 1232.2  | 1220.0  | 1224.1  | 1228.1  | 1230.2  | 1228.1  | 1226.1  | 1254.4  | 1282.8  |
| 45°    | 1220.0  | 1195.8  | 1171.5  | 1157.3  | 1159.3  | 1159.3  | 1159.3  | 1155.3  | 1149.2  | 1163.4  | 1177.5  |
| 47.5°  | 1175.5  | 1147.2  | 1118.9  | 1104.7  | 1100.7  | 1096.6  | 1092.6  | 1090.5  | 1086.5  | 1096.6  | 1104.7  |
| 50°    | 1131.0  | 1100.7  | 1068.3  | 1052.1  | 1042.0  | 1037.9  | 1033.9  | 1031.9  | 1027.8  | 1037.9  | 1046.0  |
| 52.5°  | 1096.6  | 1060.2  | 1023.8  | 997.5   | 987.4   | 981.3   | 975.2   | 977.2   | 977.2   | 981.3   | 983.3   |
| 55°    | 1035.9  | 1003.5  | 969.1   | 950.9   | 932.7   | 928.7   | 924.6   | 930.7   | 934.8   | 934.8   | 934.8   |
| 57.5°  | 969.1   | 938.8   | 906.4   | 894.3   | 878.1   | 878.1   | 876.1   | 884.2   | 890.2   | 894.3   | 898.3   |
| 60°    | 910.5   | 876.1   | 841.7   | 831.6   | 825.5   | 823.5   | 821.4   | 831.6   | 839.7   | 847.8   | 855.8   |
| 62.5°  | 855.8   | 819.4   | 783.0   | 770.9   | 768.8   | 770.9   | 770.9   | 781.0   | 789.1   | 797.2   | 805.3   |
| 65°    | 795.1   | 758.7   | 720.3   | 708.1   | 712.2   | 718.3   | 724.3   | 732.4   | 738.5   | 746.6   | 754.7   |
| 67.5°  | 728.4   | 698.0   | 665.7   | 653.5   | 655.5   | 663.6   | 671.7   | 677.8   | 681.8   | 689.9   | 698.0   |
| 70°    | 655.5   | 629.2   | 602.9   | 594.8   | 592.8   | 602.9   | 611.0   | 615.1   | 619.1   | 629.2   | 637.3   |
| 72.5°  | 576.6   | 554.4   | 532.1   | 526.1   | 528.1   | 534.1   | 540.2   | 546.3   | 550.3   | 560.4   | 568.5   |
| 75°    | 495.7   | 475.5   | 455.2   | 451.2   | 455.2   | 461.3   | 467.4   | 471.4   | 475.5   | 487.6   | 497.7   |
| 77.5°  | 416.8   | 394.5   | 370.3   | 368.2   | 374.3   | 380.4   | 384.4   | 390.5   | 396.6   | 412.7   | 428.9   |
| 80°    | 333.8   | 309.6   | 283.3   | 281.2   | 287.3   | 293.4   | 299.4   | 305.5   | 311.6   | 331.8   | 350.0   |
| 82.5°  | 244.8   | 216.5   | 188.2   | 184.1   | 204.4   | 210.4   | 216.5   | 226.6   | 234.7   | 252.9   | 271.1   |
| 85°    | 147.7   | 119.4   | 91.0    | 89.0    | 107.2   | 117.3   | 127.5   | 139.6   | 149.7   | 165.9   | 182.1   |
| 87.5°  | 16.2    | 8.1     | 0.0     | 0.0     | 2.0     | 10.1    | 18.2    | 28.3    | 38.4    | 54.6    | 68.8    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-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  |

REPORT NUMBER: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 12961.1 | 12870.1 | 12963.1 | 13054.2 | 13092.6 | 13131.1 | 13031.9 | 12930.8 | 13088.6 | 13244.4 | 13284.8 |
| 5°     | 10618.1 | 10535.2 | 10597.9 | 10658.6 | 10523.1 | 10387.5 | 10373.3 | 10357.1 | 10474.5 | 10591.8 | 10610.1 |
| 7.5°   | 8230.7  | 8204.4  | 8263.1  | 8321.7  | 8149.8  | 7975.7  | 7890.8  | 7805.8  | 7834.1  | 7862.4  | 7858.4  |
| 10°    | 6136.6  | 6152.8  | 6225.6  | 6296.4  | 6162.9  | 6029.4  | 5970.7  | 5912.0  | 5976.8  | 6039.5  | 6098.2  |
| 12.5°  | 4596.9  | 4631.3  | 4708.2  | 4783.0  | 4728.4  | 4671.7  | 4677.8  | 4683.9  | 4758.7  | 4831.6  | 4896.3  |
| 15°    | 3571.1  | 3611.5  | 3666.2  | 3718.8  | 3720.8  | 3720.8  | 3773.4  | 3824.0  | 3817.9  | 3811.8  | 3856.4  |
| 17.5°  | 2956.0  | 3008.6  | 3014.7  | 3020.7  | 3022.8  | 3024.8  | 3020.7  | 3016.7  | 2986.4  | 2956.0  | 2990.4  |
| 20°    | 2531.1  | 2549.3  | 2565.5  | 2579.7  | 2561.5  | 2541.2  | 2490.7  | 2440.1  | 2419.8  | 2399.6  | 2432.0  |
| 22.5°  | 2302.5  | 2334.9  | 2318.7  | 2300.5  | 2264.0  | 2225.6  | 2187.2  | 2146.7  | 2144.7  | 2140.6  | 2158.8  |
| 25°    | 2110.3  | 2136.6  | 2108.3  | 2079.9  | 2053.6  | 2027.3  | 2001.0  | 1974.7  | 1972.7  | 1970.7  | 1978.8  |
| 27.5°  | 1950.4  | 1974.7  | 1948.4  | 1922.1  | 1899.9  | 1877.6  | 1857.4  | 1837.1  | 1833.1  | 1829.0  | 1831.1  |
| 30°    | 1812.9  | 1835.1  | 1812.9  | 1788.6  | 1772.4  | 1754.2  | 1740.0  | 1725.9  | 1723.8  | 1721.8  | 1721.8  |
| 32.5°  | 1689.4  | 1711.7  | 1695.5  | 1679.3  | 1665.2  | 1651.0  | 1640.9  | 1630.8  | 1620.6  | 1610.5  | 1588.3  |
| 35°    | 1582.2  | 1604.5  | 1594.3  | 1582.2  | 1566.0  | 1549.8  | 1531.6  | 1511.4  | 1485.1  | 1456.8  | 1444.6  |
| 37.5°  | 1491.2  | 1513.4  | 1503.3  | 1493.2  | 1470.9  | 1448.7  | 1416.3  | 1381.9  | 1373.8  | 1363.7  | 1361.7  |
| 40°    | 1418.3  | 1452.7  | 1432.5  | 1410.2  | 1375.8  | 1341.4  | 1325.2  | 1309.1  | 1305.0  | 1301.0  | 1296.9  |
| 42.5°  | 1337.4  | 1390.0  | 1353.6  | 1317.2  | 1284.8  | 1252.4  | 1248.4  | 1244.3  | 1242.3  | 1240.3  | 1240.3  |
| 45°    | 1236.2  | 1292.9  | 1256.5  | 1218.0  | 1199.8  | 1181.6  | 1181.6  | 1181.6  | 1183.6  | 1183.6  | 1187.7  |
| 47.5°  | 1141.1  | 1175.5  | 1157.3  | 1139.1  | 1129.0  | 1118.9  | 1120.9  | 1122.9  | 1129.0  | 1133.0  | 1143.2  |
| 50°    | 1060.2  | 1072.3  | 1076.4  | 1078.4  | 1072.3  | 1066.3  | 1070.3  | 1072.3  | 1078.4  | 1082.5  | 1090.5  |
| 52.5°  | 1001.5  | 1019.7  | 1019.7  | 1017.7  | 1017.7  | 1017.7  | 1021.8  | 1025.8  | 1031.9  | 1037.9  | 1046.0  |
| 55°    | 963.1   | 989.4   | 981.3   | 973.2   | 975.2   | 975.2   | 979.3   | 983.3   | 989.4   | 993.4   | 1005.6  |
| 57.5°  | 926.7   | 955.0   | 946.9   | 938.8   | 938.8   | 938.8   | 940.8   | 942.8   | 948.9   | 953.0   | 961.1   |
| 60°    | 884.2   | 912.5   | 904.4   | 894.3   | 896.3   | 898.3   | 900.4   | 900.4   | 904.4   | 906.4   | 906.4   |
| 62.5°  | 833.6   | 861.9   | 853.8   | 843.7   | 849.8   | 853.8   | 853.8   | 853.8   | 857.9   | 859.9   | 853.8   |
| 65°    | 781.0   | 807.3   | 799.2   | 791.1   | 799.2   | 805.3   | 809.3   | 811.3   | 809.3   | 807.3   | 801.2   |
| 67.5°  | 724.3   | 750.6   | 742.5   | 732.4   | 742.5   | 750.6   | 758.7   | 764.8   | 758.7   | 752.7   | 744.6   |
| 70°    | 663.6   | 689.9   | 679.8   | 669.7   | 679.8   | 689.9   | 698.0   | 706.1   | 698.0   | 689.9   | 687.9   |
| 72.5°  | 598.9   | 629.2   | 617.1   | 605.0   | 617.1   | 629.2   | 633.3   | 637.3   | 631.3   | 625.2   | 621.1   |
| 75°    | 528.1   | 558.4   | 548.3   | 536.2   | 546.3   | 556.4   | 558.4   | 560.4   | 560.4   | 558.4   | 546.3   |
| 77.5°  | 453.2   | 477.5   | 471.4   | 465.4   | 471.4   | 477.5   | 477.5   | 477.5   | 479.5   | 479.5   | 463.3   |
| 80°    | 364.2   | 378.4   | 380.4   | 382.4   | 384.4   | 386.4   | 384.4   | 382.4   | 378.4   | 374.3   | 364.2   |
| 82.5°  | 271.1   | 271.1   | 287.3   | 301.5   | 301.5   | 299.4   | 297.4   | 293.4   | 285.3   | 275.2   | 252.9   |
| 85°    | 172.0   | 161.9   | 188.2   | 212.4   | 212.4   | 210.4   | 206.4   | 200.3   | 184.1   | 165.9   | 147.7   |
| 87.5°  | 58.7    | 48.6    | 74.9    | 101.2   | 103.2   | 103.2   | 99.1    | 95.1    | 78.9    | 60.7    | 46.5    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-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: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 13345.5 | 13371.8 | 13396.1 | 13594.4 | 13790.6 | 14021.3 | 14251.9 | 14428.0 | 14602.0 | 14782.0 | 14962.1 |
| 5°     | 10672.8 | 10705.1 | 10737.5 | 10978.3 | 11217.0 | 11538.7 | 11860.4 | 12137.6 | 12414.8 | 12740.6 | 13066.3 |
| 7.5°   | 7911.0  | 7981.8  | 8050.6  | 8307.6  | 8562.5  | 8908.5  | 9252.4  | 9614.6  | 9974.7  | 10399.6 | 10824.5 |
| 10°    | 6213.5  | 6347.0  | 6478.5  | 6741.6  | 7004.6  | 7346.5  | 7686.4  | 8064.8  | 8443.1  | 8861.9  | 9278.7  |
| 12.5°  | 5029.9  | 5207.9  | 5383.9  | 5699.6  | 6015.2  | 6423.9  | 6830.6  | 7251.4  | 7670.2  | 8038.5  | 8406.7  |
| 15°    | 3973.7  | 4167.9  | 4360.2  | 4694.0  | 5027.8  | 5477.0  | 5924.1  | 6383.4  | 6840.7  | 7281.8  | 7722.8  |
| 17.5°  | 3099.7  | 3259.5  | 3417.3  | 3700.6  | 3981.8  | 4416.8  | 4851.8  | 5333.4  | 5814.9  | 6353.1  | 6889.3  |
| 20°    | 2500.8  | 2567.5  | 2634.3  | 2838.7  | 3041.0  | 3395.1  | 3747.1  | 4238.8  | 4730.4  | 5373.8  | 6017.2  |
| 22.5°  | 2191.2  | 2225.6  | 2258.0  | 2357.1  | 2454.2  | 2682.9  | 2909.5  | 3344.5  | 3777.5  | 4479.5  | 5179.6  |
| 25°    | 2005.1  | 2031.4  | 2057.7  | 2122.4  | 2187.2  | 2296.4  | 2405.7  | 2711.2  | 3016.7  | 3706.6  | 4394.6  |
| 27.5°  | 1837.1  | 1877.6  | 1916.0  | 1946.4  | 1974.7  | 2049.6  | 2122.4  | 2322.7  | 2523.0  | 3166.4  | 3807.8  |
| 30°    | 1715.7  | 1729.9  | 1744.1  | 1790.6  | 1835.1  | 1912.0  | 1988.9  | 2128.5  | 2268.1  | 2812.4  | 3354.6  |
| 32.5°  | 1574.1  | 1594.3  | 1614.6  | 1663.1  | 1711.7  | 1782.5  | 1853.3  | 1966.6  | 2077.9  | 2543.3  | 3006.6  |
| 35°    | 1446.6  | 1466.9  | 1487.1  | 1535.7  | 1582.2  | 1659.1  | 1733.9  | 1829.0  | 1922.1  | 2326.8  | 2731.4  |
| 37.5°  | 1367.7  | 1388.0  | 1408.2  | 1450.7  | 1491.2  | 1568.0  | 1642.9  | 1717.8  | 1790.6  | 2164.9  | 2539.2  |
| 40°    | 1301.0  | 1321.2  | 1341.4  | 1381.9  | 1420.3  | 1495.2  | 1568.0  | 1630.8  | 1693.5  | 2043.5  | 2393.5  |
| 42.5°  | 1242.3  | 1264.5  | 1286.8  | 1327.3  | 1365.7  | 1432.5  | 1499.2  | 1582.2  | 1663.1  | 1938.3  | 2211.4  |
| 45°    | 1193.7  | 1216.0  | 1236.2  | 1280.7  | 1325.2  | 1390.0  | 1454.7  | 1570.1  | 1685.4  | 1883.7  | 2081.9  |
| 47.5°  | 1149.2  | 1173.5  | 1195.8  | 1244.3  | 1292.9  | 1373.8  | 1452.7  | 1549.8  | 1644.9  | 1841.2  | 2037.4  |
| 50°    | 1106.7  | 1135.1  | 1163.4  | 1222.1  | 1278.7  | 1414.3  | 1547.8  | 1562.0  | 1574.1  | 1806.8  | 2037.4  |
| 52.5°  | 1066.3  | 1098.6  | 1131.0  | 1203.8  | 1274.7  | 1432.5  | 1590.3  | 1539.7  | 1487.1  | 1742.0  | 1997.0  |
| 55°    | 1025.8  | 1054.1  | 1080.4  | 1169.5  | 1258.5  | 1373.8  | 1489.1  | 1422.4  | 1353.6  | 1620.6  | 1887.7  |
| 57.5°  | 971.2   | 1001.5  | 1029.8  | 1124.9  | 1220.0  | 1301.0  | 1379.9  | 1319.2  | 1256.5  | 1483.1  | 1707.6  |
| 60°    | 914.5   | 948.9   | 983.3   | 1104.7  | 1224.1  | 1209.9  | 1193.7  | 1181.6  | 1167.4  | 1329.3  | 1491.2  |
| 62.5°  | 863.9   | 900.4   | 936.8   | 1094.6  | 1252.4  | 1155.3  | 1058.2  | 1068.3  | 1076.4  | 1195.8  | 1315.1  |
| 65°    | 813.4   | 849.8   | 884.2   | 963.1   | 1042.0  | 1003.5  | 965.1   | 981.3   | 995.5   | 1112.8  | 1230.2  |
| 67.5°  | 756.7   | 789.1   | 819.4   | 845.7   | 872.0   | 876.1   | 880.1   | 896.3   | 912.5   | 1052.1  | 1189.7  |
| 70°    | 694.0   | 720.3   | 746.6   | 764.8   | 781.0   | 789.1   | 795.1   | 815.4   | 835.6   | 987.4   | 1139.1  |
| 72.5°  | 623.2   | 645.4   | 665.7   | 681.8   | 698.0   | 704.1   | 708.1   | 728.4   | 748.6   | 910.5   | 1072.3  |
| 75°    | 546.3   | 564.5   | 580.7   | 594.8   | 609.0   | 617.1   | 625.2   | 639.4   | 653.5   | 829.5   | 1003.5  |
| 77.5°  | 461.3   | 479.5   | 495.7   | 507.8   | 518.0   | 526.1   | 532.1   | 550.3   | 568.5   | 716.2   | 861.9   |
| 80°    | 360.1   | 382.4   | 402.6   | 412.7   | 420.8   | 422.9   | 422.9   | 439.1   | 455.2   | 560.4   | 663.6   |
| 82.5°  | 254.9   | 279.2   | 301.5   | 309.6   | 317.7   | 317.7   | 317.7   | 335.9   | 354.1   | 424.9   | 493.7   |
| 85°    | 149.7   | 176.0   | 200.3   | 208.4   | 216.5   | 220.5   | 222.6   | 230.7   | 236.7   | 287.3   | 335.9   |
| 87.5°  | 46.5    | 68.8    | 89.0    | 93.1    | 97.1    | 105.2   | 113.3   | 115.3   | 115.3   | 149.7   | 184.1   |
| 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: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

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

REPORT NUMBER: P320293

CATALOG NUMBER: GLEON-SA9C-730-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 | 15417.4 |
| 2.5°   | 15168.5 | 15374.9 | 15615.6 | 15854.4 | 16058.7 | 16263.1 | 16433.0 |
| 5°     | 13481.1 | 13895.9 | 14403.7 | 14909.5 | 15360.7 | 15811.9 | 16335.9 |
| 7.5°   | 11360.7 | 11896.9 | 12554.4 | 13212.0 | 13849.3 | 14484.6 | 15289.9 |
| 10°    | 9825.0  | 10369.3 | 11065.3 | 11759.3 | 12475.5 | 13189.7 | 14100.2 |
| 12.5°  | 8849.8  | 9290.9  | 9964.6  | 10638.4 | 11480.1 | 12319.7 | 13195.8 |
| 15°    | 8206.4  | 8687.9  | 9343.5  | 9999.0  | 10919.6 | 11840.2 | 12847.8 |
| 17.5°  | 7520.5  | 8149.8  | 8989.4  | 9829.1  | 10919.6 | 12008.1 | 13195.8 |
| 20°    | 6802.3  | 7585.3  | 8673.8  | 9762.3  | 11231.2 | 12698.1 | 14213.5 |
| 22.5°  | 6086.0  | 6992.4  | 8388.5  | 9782.5  | 11702.6 | 13620.7 | 15666.2 |
| 25°    | 5440.6  | 6486.6  | 8214.5  | 9940.3  | 12388.5 | 14834.7 | 17371.8 |
| 27.5°  | 4951.0  | 6092.1  | 8143.7  | 10193.3 | 13258.5 | 16323.8 | 19227.2 |
| 30°    | 4515.9  | 5677.3  | 8058.7  | 10440.1 | 14096.2 | 17750.2 | 20677.9 |
| 32.5°  | 4139.6  | 5272.7  | 7894.8  | 10515.0 | 14680.9 | 18846.8 | 21906.0 |
| 35°    | 3844.2  | 4957.0  | 7619.7  | 10282.3 | 15047.1 | 19811.9 | 23184.7 |
| 37.5°  | 3589.3  | 4639.4  | 7306.0  | 9972.7  | 15372.8 | 20773.0 | 24623.3 |
| 40°    | 3346.5  | 4299.5  | 7037.0  | 9772.4  | 15822.0 | 21871.6 | 26142.7 |
| 42.5°  | 3115.8  | 4020.2  | 6820.5  | 9620.7  | 16238.8 | 22854.9 | 27472.0 |
| 45°    | 2943.9  | 3805.8  | 6628.2  | 9448.7  | 16507.9 | 23567.1 | 28473.5 |
| 47.5°  | 2858.9  | 3678.3  | 6525.1  | 9369.8  | 16777.0 | 24182.2 | 29305.1 |
| 50°    | 2846.7  | 3656.1  | 6642.4  | 9628.8  | 17359.7 | 25088.6 | 30256.1 |
| 52.5°  | 2844.7  | 3692.5  | 6980.3  | 10268.1 | 18442.2 | 26614.2 | 31285.9 |
| 55°    | 2802.2  | 3714.7  | 7382.9  | 11049.1 | 19894.9 | 28738.6 | 33137.2 |
| 57.5°  | 2672.7  | 3637.8  | 7797.7  | 11955.5 | 21430.5 | 30903.5 | 35223.2 |
| 60°    | 2472.4  | 3451.7  | 8139.6  | 12825.5 | 22462.4 | 32097.2 | 36026.4 |
| 62.5°  | 2221.6  | 3126.0  | 8252.9  | 13377.9 | 22434.1 | 31490.3 | 35217.1 |
| 65°    | 2007.1  | 2784.0  | 7880.7  | 12975.3 | 21299.0 | 29620.7 | 33616.7 |
| 67.5°  | 1816.9  | 2442.1  | 6949.9  | 11455.8 | 19257.5 | 27057.3 | 31581.3 |
| 70°    | 1679.3  | 2217.5  | 5750.1  | 9282.8  | 16702.1 | 24119.5 | 29224.2 |
| 72.5°  | 1592.3  | 2110.3  | 4687.9  | 7263.6  | 13553.9 | 19842.3 | 24997.6 |
| 75°    | 1472.9  | 1942.3  | 3678.3  | 5412.3  | 10373.3 | 15334.4 | 18881.2 |
| 77.5°  | 1250.4  | 1636.8  | 2771.9  | 3906.9  | 7611.6  | 11314.2 | 13131.1 |
| 80°    | 965.1   | 1264.5  | 1905.9  | 2547.3  | 5238.3  | 7929.2  | 8953.0  |
| 82.5°  | 687.9   | 882.1   | 1155.3  | 1428.4  | 3480.0  | 5529.6  | 5614.6  |
| 85°    | 424.9   | 513.9   | 661.6   | 809.3   | 2302.5  | 3795.7  | 3162.4  |
| 87.5°  | 228.6   | 273.1   | 350.0   | 424.9   | 736.5   | 1048.1  | 602.9   |
| 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: P320293  
 CATALOG NUMBER: GLEON-SA9C-730-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-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-2-R4

Test Date: 10/03/2019

Luminaire Tested: SA1C-730-U-5WQ

Data in this report applies to families of products SA1C-730-U-5WQ .

### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-2-R4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/28/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW-EDISON  
 Catalog Number: **SA1C-730-U-5WQ**  
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

\*\*\*THIS IS A REVISION OF SP1-1908-441-2-R3. TO UPDATE THE CATALOG INFORMATION.\*\*\*TESTED IN SITU. (1) 70 CRI, 3000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

### Spectral Parameters

|                           |        |           |      |      |       |
|---------------------------|--------|-----------|------|------|-------|
| CCT (K):                  | 2993   | CRI (Ra): | 71.8 |      |       |
| CIE u':                   | 0.2508 | R1:       | 67.5 | R9:  | -38.3 |
| CIE v':                   | 0.5215 | R2:       | 82.9 | R10: | 62.5  |
| Duv:                      | 0.0000 | R3:       | 94.7 | R11: | 63.7  |
| CIE x:                    | 0.4374 | R4:       | 67.7 | R12: | 57.8  |
| CIE y:                    | 0.4043 | R5:       | 67.9 | R13: | 70.4  |
| CIE z:                    | 0.1583 | R6:       | 77.6 | R14: | 97.3  |
| Peak Wavelength (nm):     | 593    | R7:       | 76.0 |      |       |
| Dominant Wavelength (nm): | 582    | R8:       | 40.5 |      |       |
| Purity:                   | 53     |           |      |      |       |
| Rf:                       | 75.7   |           |      |      |       |
| Rg:                       | 93.9   |           |      |      |       |



### Test Conditions

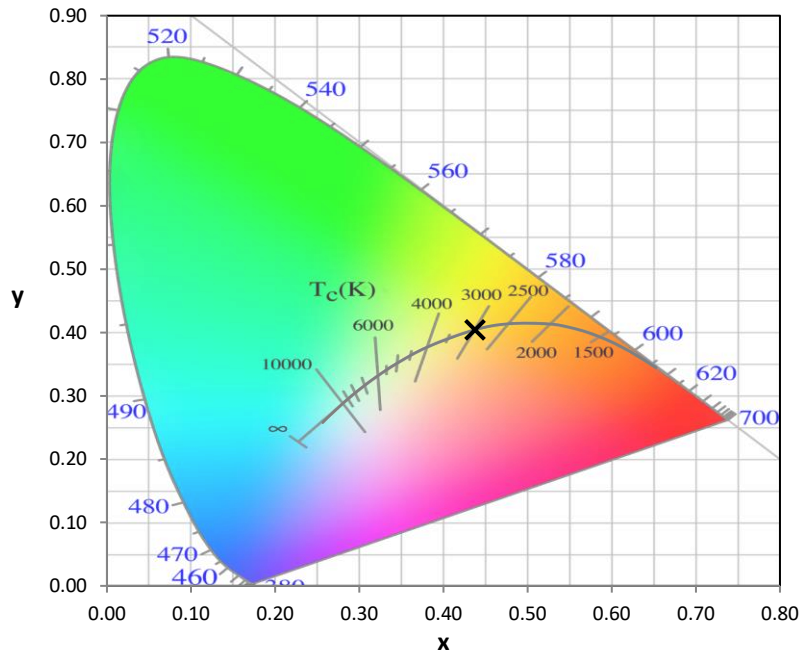
Stabilization Time: 53M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-2-R4

| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 6/28/2019        | 12/28/2019           |
| Power Meter                    | IN0071                | 12/5/2018        | 12/5/2019            |
| AC Power Source                | IN0063                | 12/5/2018        | 12/5/2019            |
| DC Power Source                | IN0208                | 12/5/2018        | 12/5/2019            |
| Sphere Thermometer             | IN0085                | 12/5/2018        | 12/5/2019            |
| Room Thermometer               | IN0046                | 12/5/2018        | 12/5/2019            |

REPORT NUMBER: SP1-1908-441-2-R4

**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: SP1-1908-441-2-R4

**Photopic Flux vs. Wavelength**



#####

| 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       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-2-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 8494.8

S/P: 1.23

| 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       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-2-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 3101.5 M/P: 0.45**

| 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       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-2-R4

**TM-30-18**

### Summary

$R_f = 75.7$   
 $R_g = 93.9$   
 $CIE R_a = 71.8$   
 $R_g = -38.3$



### Color Vector Graphics



REPORT NUMBER: SP1-1908-441-2-R4

**TM-30-18**

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

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 67 | CES51 = 87 | CES76 = 63 |
| CES02 = 63 | CES27 = 88 | CES52 = 86 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 78 | CES78 = 67 |
| CES04 = 71 | CES29 = 66 | CES54 = 84 | CES79 = 87 |
| CES05 = 49 | CES30 = 73 | CES55 = 84 | CES80 = 86 |
| CES06 = 51 | CES31 = 70 | CES56 = 75 | CES81 = 71 |
| CES07 = 41 | CES32 = 65 | CES57 = 74 | CES82 = 94 |
| CES08 = 40 | CES33 = 73 | CES58 = 76 | CES83 = 90 |
| CES09 = 29 | CES34 = 79 | CES59 = 85 | CES84 = 89 |
| CES10 = 76 | CES35 = 89 | CES60 = 93 | CES85 = 77 |
| CES11 = 59 | CES36 = 97 | CES61 = 84 | CES86 = 61 |
| CES12 = 65 | CES37 = 87 | CES62 = 91 | CES87 = 78 |
| CES13 = 43 | CES38 = 81 | CES63 = 77 | CES88 = 77 |
| CES14 = 74 | CES39 = 95 | CES64 = 72 | CES89 = 67 |
| CES15 = 71 | CES40 = 92 | CES65 = 68 | CES90 = 76 |
| CES16 = 47 | CES41 = 88 | CES66 = 69 | CES91 = 89 |
| CES17 = 50 | CES42 = 89 | CES67 = 67 | CES92 = 58 |
| CES18 = 56 | CES43 = 79 | CES68 = 72 | CES93 = 74 |
| CES19 = 73 | CES44 = 99 | CES69 = 81 | CES94 = 49 |
| CES20 = 66 | CES45 = 85 | CES70 = 66 | CES95 = 68 |
| CES21 = 87 | CES46 = 80 | CES71 = 67 | CES96 = 76 |
| CES22 = 79 | CES47 = 82 | CES72 = 88 | CES97 = 82 |
| CES23 = 92 | CES48 = 69 | CES73 = 59 | CES98 = 75 |
| CES24 = 91 | CES49 = 80 | CES74 = 95 | CES99 = 62 |
| CES25 = 73 | CES50 = 87 | CES75 = 69 |            |



REPORT NUMBER: SP1-1908-441-2-R4

**TM-30-18**

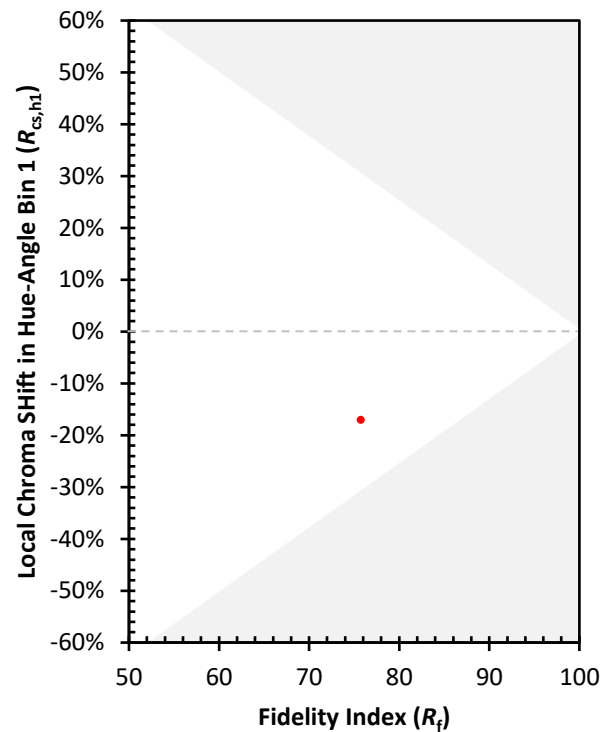
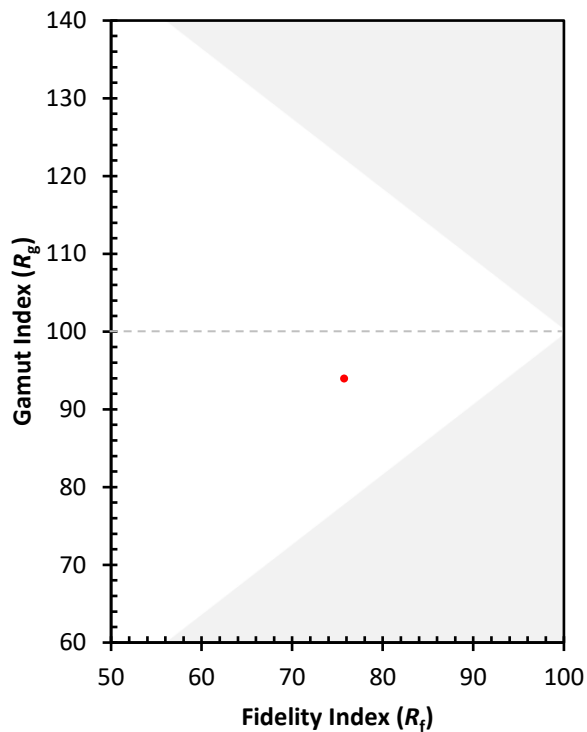
**Color Rendition by Hue-Angle Bin**



REPORT NUMBER: SP1-1908-441-2-R4

**TM-30-18**

**Measure Comparisons**



(END OF REPORT)