

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: P320543

Luminaire Tested: **GLEON-SA9D-722-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320543  
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-SA9D-722-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 2200K, 1200mA 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: 44812 lumens  
Efficiency: N/A  
Efficacy: 77.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

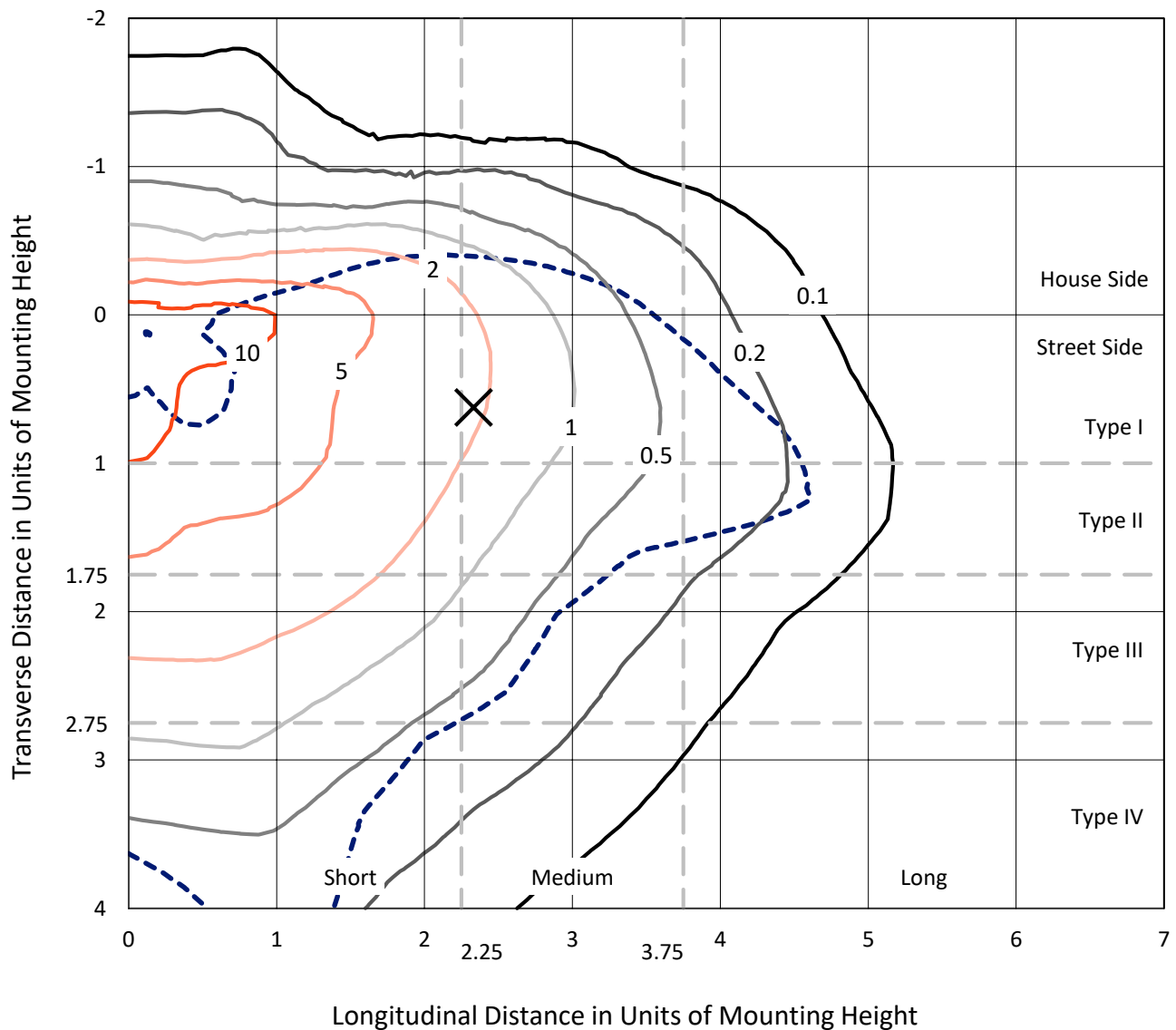
Input Watts (W): 575  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

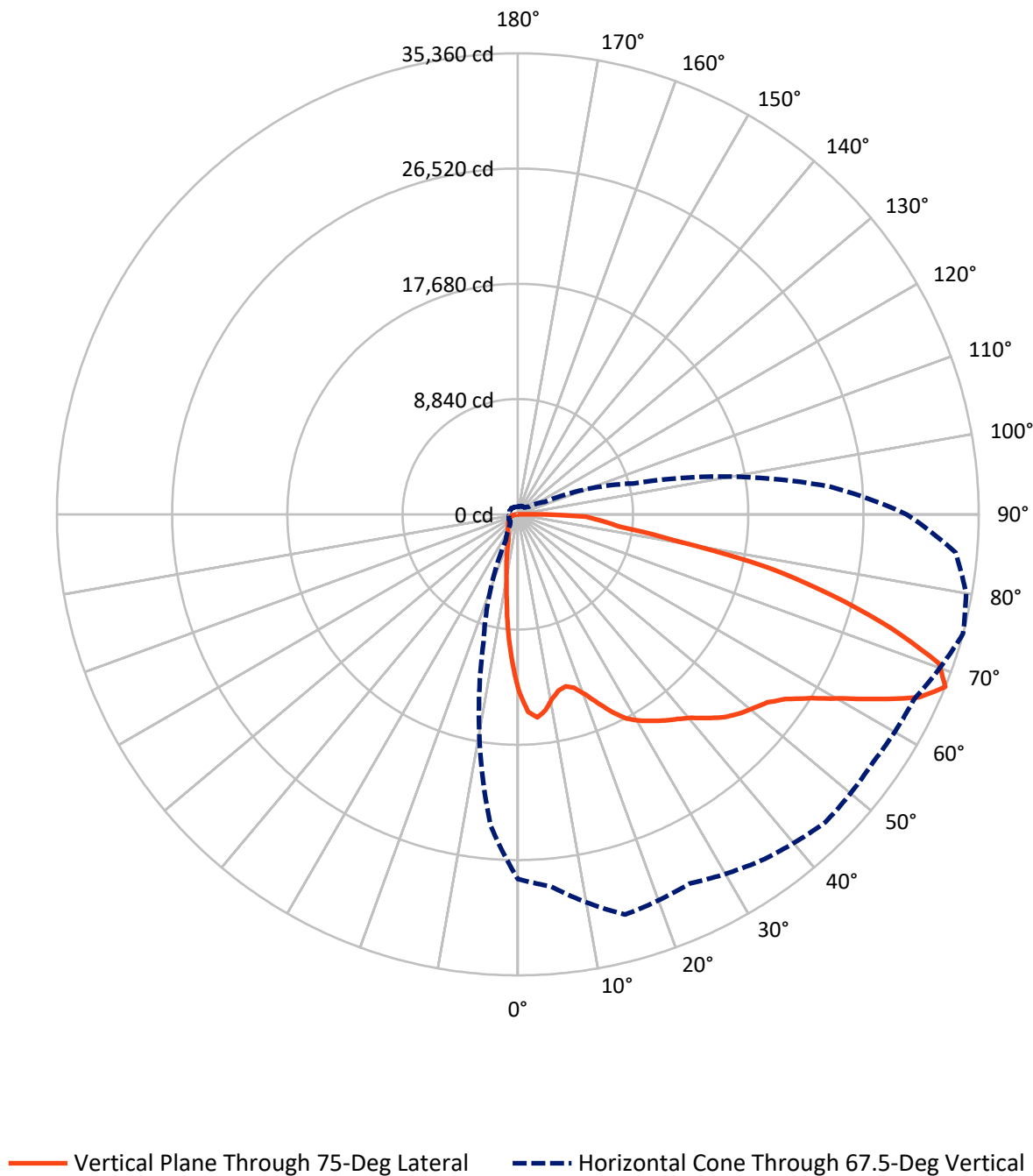
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 19.1 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 7892.5   | 0.0    | 7892.5  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 36919.5  | 0.0    | 36919.5 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 44812.0  | 0.0    | 44812.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1053.6  | 2.4       |
| 10°-20°   | 2188.8  | 4.9       |
| 20°-30°   | 3113.0  | 6.9       |
| 30°-40°   | 4485.8  | 10.0      |
| 40°-50°   | 6321.8  | 14.1      |
| 50°-60°   | 8788.4  | 19.6      |
| 60°-70°   | 10627.8 | 23.7      |
| 70°-80°   | 6532.8  | 14.6      |
| 80°-90°   | 1699.9  | 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°    | 44812.0 | 100.0     |
| 0°-180°   | 44812.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P320543

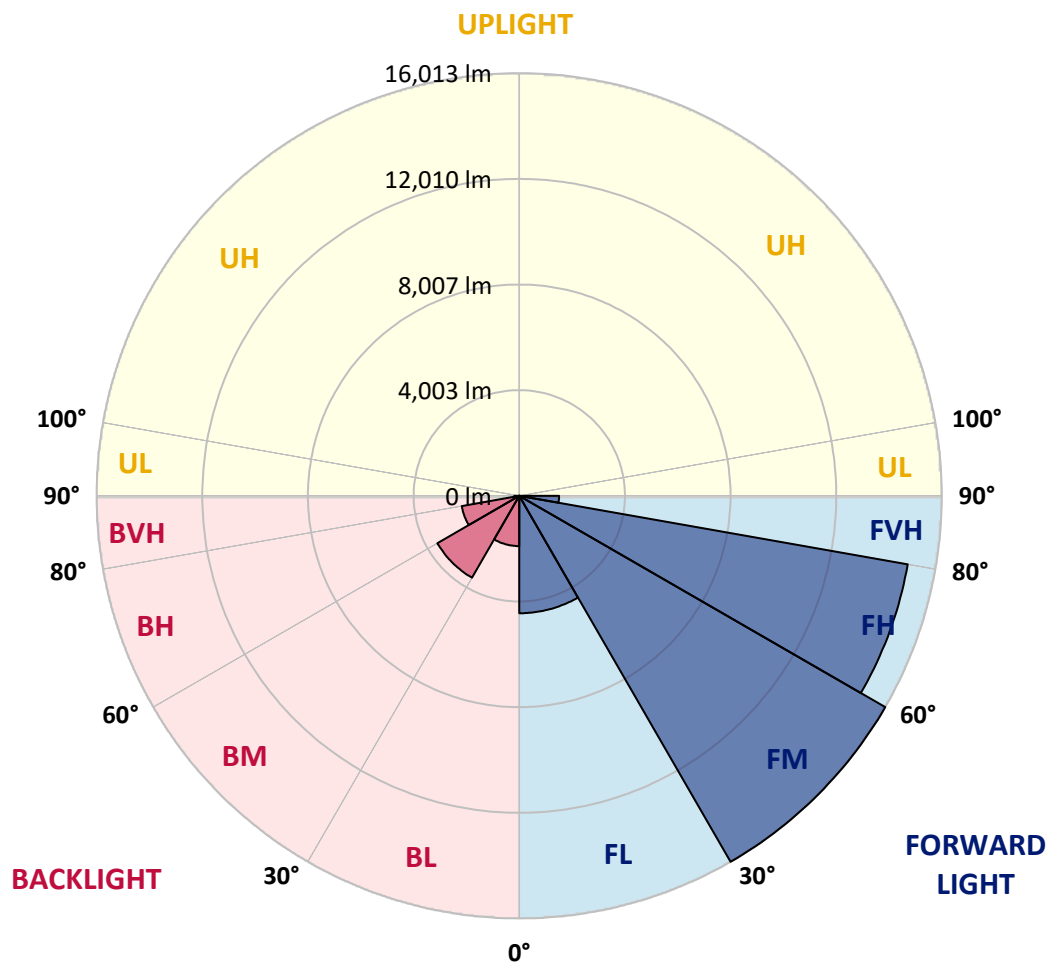
CATALOG NUMBER: GLEON-SA9D-722-U-SLL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 4449.4  | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 16013.4 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 14947.8 | 33.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 1508.9  | 3.4       |                         |      | G5      |
| BL   | (0°-30°)    | 1906.1  | 4.3       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 3582.6  | 8.0       | B3/5000                 |      |         |
| BH   | (60°-80°)   | 2212.8  | 4.9       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 191.0   | 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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 14551.6 | 14743.3 | 14875.9 | 15006.7 | 15108.8 | 15209.1 | 15356.0 | 15502.9 | 15531.6 | 15558.5 | 15501.1 |
| 5°     | 14465.6 | 14933.2 | 15330.9 | 15726.9 | 16094.2 | 16461.5 | 16681.8 | 16902.2 | 16947.0 | 16991.8 | 16853.8 |
| 7.5°   | 13539.3 | 14229.1 | 14918.9 | 15608.6 | 16241.1 | 16873.5 | 17258.7 | 17642.1 | 17729.9 | 17815.9 | 17590.2 |
| 10°    | 12485.8 | 13288.5 | 14135.9 | 14983.4 | 15816.5 | 16649.6 | 17206.8 | 17764.0 | 17875.0 | 17986.1 | 17704.8 |
| 12.5°  | 11685.0 | 12561.1 | 13465.9 | 14370.6 | 15250.3 | 16128.2 | 16705.1 | 17282.0 | 17420.0 | 17557.9 | 17353.7 |
| 15°    | 11376.8 | 12337.1 | 13188.2 | 14039.2 | 14806.0 | 15571.0 | 16044.0 | 16515.2 | 16572.5 | 16628.1 | 16595.8 |
| 17.5°  | 11685.0 | 12743.8 | 13514.2 | 14282.8 | 14700.3 | 15115.9 | 15305.9 | 15494.0 | 15556.7 | 15617.6 | 15700.0 |
| 20°    | 12586.2 | 13729.2 | 14272.1 | 14813.2 | 14795.2 | 14775.5 | 14684.2 | 14591.0 | 14574.9 | 14558.7 | 14791.7 |
| 22.5°  | 13872.6 | 15200.2 | 15416.9 | 15631.9 | 15128.5 | 14625.0 | 14318.7 | 14010.5 | 13949.6 | 13886.9 | 14134.1 |
| 25°    | 15382.9 | 16796.5 | 16757.1 | 16715.9 | 15757.3 | 14797.0 | 14213.0 | 13628.9 | 13560.8 | 13492.7 | 13704.1 |
| 27.5°  | 17025.8 | 18376.7 | 18118.7 | 17860.7 | 16558.2 | 15255.7 | 14408.3 | 13560.8 | 13492.7 | 13424.6 | 13611.0 |
| 30°    | 18310.4 | 19535.9 | 19122.0 | 18708.2 | 17233.6 | 15759.1 | 14752.2 | 13745.4 | 13634.3 | 13521.4 | 13750.7 |
| 32.5°  | 19397.9 | 20440.7 | 19885.3 | 19329.8 | 17781.9 | 16233.9 | 15144.6 | 14055.3 | 13881.5 | 13707.7 | 14014.1 |
| 35°    | 20530.2 | 21343.6 | 20562.5 | 19779.5 | 18271.0 | 16760.7 | 15608.6 | 14454.8 | 14241.6 | 14028.4 | 14449.5 |
| 37.5°  | 21804.1 | 22479.5 | 21358.0 | 20234.6 | 18821.0 | 17407.4 | 16303.8 | 15198.4 | 14979.8 | 14761.2 | 15298.7 |
| 40°    | 23149.6 | 23712.2 | 22216.2 | 20720.1 | 19423.0 | 18125.9 | 17265.9 | 16404.1 | 16196.3 | 15986.7 | 16638.8 |
| 42.5°  | 24326.7 | 24737.0 | 23015.2 | 21293.5 | 20148.6 | 19002.0 | 18396.4 | 17789.0 | 17787.3 | 17783.7 | 18444.8 |
| 45°    | 25213.5 | 25570.1 | 23681.7 | 21791.5 | 20856.3 | 19919.3 | 19604.0 | 19288.6 | 19541.3 | 19793.9 | 20392.3 |
| 47.5°  | 25949.9 | 26191.8 | 24240.7 | 22287.8 | 21666.1 | 21044.4 | 21091.0 | 21137.6 | 21651.8 | 22166.0 | 22551.2 |
| 50°    | 26792.0 | 26596.7 | 24747.7 | 22897.0 | 22705.3 | 22513.6 | 22932.8 | 23350.3 | 23941.5 | 24530.9 | 24792.5 |
| 52.5°  | 27703.9 | 27186.1 | 25435.7 | 23683.5 | 23898.5 | 24113.5 | 24966.3 | 25819.1 | 26415.7 | 27012.3 | 27110.9 |
| 55°    | 29343.2 | 28549.6 | 26700.6 | 24849.8 | 25263.7 | 25675.8 | 26928.1 | 28178.7 | 28644.5 | 29110.3 | 29146.2 |
| 57.5°  | 31190.4 | 30486.3 | 28472.5 | 26458.7 | 26903.0 | 27347.4 | 28793.2 | 30237.3 | 30740.7 | 31242.4 | 31172.5 |
| 60°    | 31901.7 | 31935.7 | 30154.8 | 28372.2 | 28820.1 | 29268.0 | 30676.2 | 32084.4 | 32663.1 | 33240.0 | 33085.9 |
| 62.5°  | 31185.0 | 32025.3 | 31074.0 | 30120.8 | 30527.5 | 30932.4 | 32312.0 | 33691.5 | 34284.5 | 34877.6 | 34608.8 |
| 65°    | 29767.9 | 30601.0 | 31027.4 | 31453.8 | 31588.1 | 31722.5 | 33010.7 | 34297.1 | 34752.2 | 35205.4 | 35069.3 |
| 67.5°  | 27965.5 | 28639.1 | 30212.2 | 31783.4 | 31512.9 | 31242.4 | 31846.1 | 32449.9 | 32917.5 | 33385.1 | 33308.1 |
| 70°    | 25878.2 | 26680.9 | 28778.9 | 30876.9 | 29547.5 | 28216.3 | 27967.3 | 27718.2 | 28223.5 | 28726.9 | 28415.2 |
| 72.5°  | 22135.5 | 23346.7 | 25584.4 | 27820.4 | 25371.2 | 22922.1 | 22071.0 | 21220.0 | 21859.6 | 22499.2 | 22003.0 |
| 75°    | 16719.4 | 18326.5 | 20799.0 | 23269.6 | 20347.5 | 17425.3 | 16289.5 | 15153.6 | 15703.6 | 16253.6 | 15913.2 |
| 77.5°  | 11627.6 | 13643.2 | 16078.0 | 18512.9 | 15542.4 | 12570.0 | 11726.2 | 10880.5 | 11045.4 | 11208.4 | 11151.1 |
| 80°    | 7927.9  | 9253.7  | 10952.2 | 12648.9 | 10670.9 | 8693.0  | 8759.3  | 8823.8  | 8746.7  | 8667.9  | 8782.5  |
| 82.5°  | 4971.8  | 5905.2  | 7216.7  | 8526.3  | 7476.5  | 6426.6  | 7028.5  | 7630.5  | 7334.9  | 7037.5  | 7148.6  |
| 85°    | 2800.3  | 3370.0  | 4652.9  | 5933.9  | 5530.7  | 5125.8  | 5478.8  | 5829.9  | 5371.3  | 4912.6  | 5115.1  |
| 87.5°  | 533.9   | 888.6   | 2574.6  | 4258.7  | 3866.3  | 3474.0  | 3018.9  | 2563.8  | 1956.5  | 1349.1  | 1970.8  |
| 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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 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 15443.8 | 15413.4 | 15382.9 | 15273.6 | 15162.5 | 14997.7 | 14861.5 | 14625.0 | 14496.0 | 14300.8 | 14105.5 |
| 5°     | 16714.1 | 16520.6 | 16327.1 | 15993.8 | 15658.8 | 15286.1 | 14857.9 | 14383.2 | 14024.8 | 13559.0 | 13093.2 |
| 7.5°   | 17364.4 | 16912.9 | 16459.7 | 15820.1 | 15178.7 | 14601.7 | 13924.5 | 13293.9 | 12756.4 | 12150.8 | 11545.2 |
| 10°    | 17423.6 | 16746.3 | 16067.3 | 15236.0 | 14402.9 | 13702.4 | 12923.0 | 12222.5 | 11577.5 | 10882.3 | 10185.4 |
| 12.5°  | 17147.6 | 16427.4 | 15705.4 | 14789.9 | 13872.6 | 13077.1 | 12238.6 | 11453.9 | 10739.0 | 9974.0  | 9207.2  |
| 15°    | 16563.6 | 15988.5 | 15411.6 | 14553.4 | 13695.2 | 12892.5 | 12079.1 | 11149.3 | 10341.3 | 9558.3  | 8773.6  |
| 17.5°  | 15780.6 | 15508.3 | 15234.2 | 14614.3 | 13992.6 | 13297.4 | 12509.1 | 11418.0 | 10472.1 | 9621.0  | 8770.0  |
| 20°    | 15022.8 | 15123.1 | 15221.6 | 14974.4 | 14727.2 | 14170.0 | 13482.0 | 12256.5 | 11049.0 | 9936.4  | 8822.0  |
| 22.5°  | 14379.6 | 14861.5 | 15341.7 | 15533.4 | 15723.3 | 15388.3 | 14850.8 | 13433.6 | 11835.5 | 10382.5 | 8929.5  |
| 25°    | 13913.8 | 14712.8 | 15511.9 | 16149.7 | 16785.7 | 16637.0 | 16223.2 | 14863.3 | 12878.2 | 11025.7 | 9171.3  |
| 27.5°  | 13797.3 | 14777.3 | 15757.3 | 16746.3 | 17733.5 | 17871.5 | 17756.8 | 16370.1 | 14121.6 | 11824.7 | 9526.1  |
| 30°    | 13980.1 | 14972.6 | 15963.4 | 17167.4 | 18369.5 | 18919.6 | 19073.6 | 17626.0 | 15542.4 | 12756.4 | 9968.6  |
| 32.5°  | 14320.5 | 15293.3 | 16266.2 | 17577.6 | 18887.3 | 19718.6 | 20209.5 | 18774.4 | 16533.1 | 13458.7 | 10382.5 |
| 35°    | 14870.5 | 15780.6 | 16690.8 | 18056.0 | 19421.2 | 20496.2 | 21392.0 | 19960.5 | 17412.8 | 13949.6 | 10484.6 |
| 37.5°  | 15834.4 | 16617.3 | 17400.3 | 18661.6 | 19921.1 | 21315.0 | 22660.5 | 21266.6 | 18364.2 | 14422.6 | 10479.2 |
| 40°    | 17291.0 | 17844.6 | 18396.4 | 19462.4 | 20526.7 | 22280.7 | 24097.4 | 22723.2 | 19415.8 | 14935.0 | 10454.1 |
| 42.5°  | 19105.9 | 19390.8 | 19673.8 | 20517.7 | 21361.5 | 23289.3 | 25401.7 | 24147.5 | 20419.2 | 15411.6 | 10404.0 |
| 45°    | 20988.9 | 21064.1 | 21139.4 | 21671.5 | 22201.8 | 24088.4 | 26290.3 | 25217.1 | 21295.3 | 15825.4 | 10353.8 |
| 47.5°  | 22934.6 | 22676.6 | 22418.6 | 22630.0 | 22841.4 | 24701.1 | 26924.5 | 26028.7 | 22174.9 | 16284.1 | 10391.4 |
| 50°    | 25054.1 | 24335.6 | 23617.2 | 23506.1 | 23395.0 | 25313.9 | 27671.7 | 27060.7 | 23232.0 | 16952.4 | 10672.7 |
| 52.5°  | 27207.6 | 26023.4 | 24839.1 | 24400.1 | 23959.4 | 26044.9 | 28662.4 | 28345.3 | 24740.6 | 17987.9 | 11233.5 |
| 55°    | 29182.0 | 27675.2 | 26168.5 | 25577.2 | 24986.0 | 27162.8 | 29871.8 | 30231.9 | 26673.7 | 19311.9 | 11948.3 |
| 57.5°  | 31100.8 | 29393.4 | 27686.0 | 27137.8 | 26589.5 | 28805.8 | 31403.6 | 31925.0 | 28626.6 | 20582.2 | 12536.0 |
| 60°    | 32931.9 | 31242.4 | 29551.1 | 29112.1 | 28671.4 | 30848.2 | 33059.1 | 32679.2 | 29633.5 | 21177.0 | 12718.7 |
| 62.5°  | 34340.1 | 32996.4 | 31652.6 | 31421.5 | 31188.6 | 32914.0 | 34331.1 | 32385.4 | 28993.9 | 20591.2 | 12188.4 |
| 65°    | 34933.1 | 34168.1 | 33401.3 | 33618.1 | 33833.1 | 34476.2 | 34648.2 | 31525.4 | 26983.7 | 18950.0 | 10916.4 |
| 67.5°  | 33229.3 | 33385.1 | 33541.0 | 34451.2 | 35359.5 | 34917.0 | 33705.8 | 29830.6 | 24122.4 | 16624.5 | 9126.5  |
| 70°    | 28101.6 | 29036.9 | 29970.3 | 32123.8 | 34275.6 | 33293.8 | 31181.4 | 26788.4 | 20678.9 | 13946.0 | 7211.3  |
| 72.5°  | 21504.9 | 22556.6 | 23606.5 | 26802.7 | 29997.2 | 29092.4 | 26505.3 | 22003.0 | 16579.7 | 11136.7 | 5692.0  |
| 75°    | 15571.0 | 16758.9 | 17944.9 | 21470.8 | 24996.8 | 23740.8 | 19826.1 | 15753.8 | 12593.3 | 8501.3  | 4407.4  |
| 77.5°  | 11092.0 | 11887.4 | 12682.9 | 16165.8 | 19647.0 | 17600.9 | 13197.1 | 10601.0 | 8716.3  | 5908.8  | 3099.5  |
| 80°    | 8897.2  | 8653.6  | 8409.9  | 10350.2 | 12290.6 | 11950.1 | 8728.8  | 6808.2  | 6032.4  | 3959.5  | 1886.6  |
| 82.5°  | 7257.9  | 6663.1  | 6068.2  | 6982.0  | 7895.7  | 7845.5  | 6057.5  | 4995.1  | 4489.8  | 2751.9  | 1014.1  |
| 85°    | 5315.8  | 5077.5  | 4839.2  | 5647.2  | 6455.2  | 5765.5  | 4102.8  | 3174.8  | 3500.8  | 2026.3  | 551.8   |
| 87.5°  | 2592.5  | 2961.6  | 3328.8  | 4282.0  | 5233.3  | 3929.0  | 1245.2  | 616.3   | 852.8   | 560.8   | 267.0   |
| 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: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 13960.3 | 13813.4 | 13646.8 | 13480.2 | 13290.3 | 13098.6 | 12985.7 | 12871.0 | 12747.4 | 12623.8 | 12484.0 |
| 5°     | 12785.0 | 12476.9 | 12127.5 | 11778.1 | 11432.4 | 11086.6 | 10900.2 | 10713.9 | 10516.8 | 10318.0 | 10146.0 |
| 7.5°   | 11097.3 | 10647.6 | 10163.9 | 9678.4  | 9248.4  | 8816.6  | 8549.6  | 8280.9  | 8037.2  | 7791.8  | 7585.7  |
| 10°    | 9612.1  | 9038.8  | 8553.2  | 8065.9  | 7741.6  | 7417.3  | 7171.9  | 6926.4  | 6689.9  | 6451.6  | 6224.1  |
| 12.5°  | 8633.8  | 8060.5  | 7752.4  | 7444.2  | 7175.5  | 6906.7  | 6623.6  | 6338.8  | 6014.5  | 5688.4  | 5450.1  |
| 15°    | 8252.2  | 7730.9  | 7388.7  | 7044.7  | 6684.6  | 6322.6  | 5975.1  | 5627.5  | 5244.1  | 4860.7  | 4590.1  |
| 17.5°  | 8087.4  | 7404.8  | 6926.4  | 6446.3  | 5971.5  | 5496.7  | 5093.6  | 4690.5  | 4271.2  | 3852.0  | 3577.9  |
| 20°    | 7913.6  | 7005.3  | 6363.9  | 5720.7  | 5111.5  | 4502.4  | 4045.5  | 3588.6  | 3214.2  | 2839.7  | 2630.1  |
| 22.5°  | 7755.9  | 6580.6  | 5776.2  | 4970.0  | 4249.7  | 3529.5  | 3081.6  | 2631.9  | 2402.6  | 2173.2  | 2089.0  |
| 25°    | 7691.4  | 6209.8  | 5220.8  | 4231.8  | 3472.2  | 2710.7  | 2391.8  | 2072.9  | 1985.1  | 1895.5  | 1852.5  |
| 27.5°  | 7702.2  | 5878.3  | 4753.2  | 3626.2  | 2941.8  | 2257.4  | 2038.9  | 1820.3  | 1766.5  | 1711.0  | 1684.1  |
| 30°    | 7743.4  | 5518.2  | 4312.4  | 3106.7  | 2542.3  | 1978.0  | 1836.4  | 1693.1  | 1635.8  | 1578.4  | 1544.4  |
| 32.5°  | 7790.0  | 5195.7  | 3972.0  | 2746.6  | 2286.1  | 1823.9  | 1707.4  | 1589.2  | 1533.6  | 1478.1  | 1444.1  |
| 35°    | 7709.4  | 4932.3  | 3739.1  | 2545.9  | 2121.3  | 1694.9  | 1596.3  | 1496.0  | 1435.1  | 1374.2  | 1341.9  |
| 37.5°  | 7573.2  | 4667.2  | 3558.2  | 2447.4  | 2013.8  | 1578.4  | 1506.8  | 1433.3  | 1370.6  | 1306.1  | 1275.6  |
| 40°    | 7449.6  | 4443.2  | 3423.8  | 2402.6  | 1954.7  | 1505.0  | 1444.1  | 1383.1  | 1318.6  | 1252.3  | 1216.5  |
| 42.5°  | 7349.2  | 4292.7  | 3291.2  | 2289.7  | 1900.9  | 1510.3  | 1424.3  | 1336.6  | 1273.8  | 1211.1  | 1171.7  |
| 45°    | 7274.0  | 4194.2  | 3187.3  | 2180.4  | 1850.7  | 1521.1  | 1411.8  | 1302.5  | 1239.8  | 1175.3  | 1128.7  |
| 47.5°  | 7266.8  | 4142.2  | 3113.8  | 2085.5  | 1755.8  | 1424.3  | 1379.6  | 1334.8  | 1243.4  | 1150.2  | 1096.5  |
| 50°    | 7365.4  | 4058.0  | 3027.8  | 1995.9  | 1664.4  | 1333.0  | 1393.9  | 1453.0  | 1297.1  | 1139.5  | 1071.4  |
| 52.5°  | 7571.4  | 3909.3  | 2891.7  | 1874.0  | 1553.3  | 1230.8  | 1325.8  | 1419.0  | 1284.6  | 1148.4  | 1060.6  |
| 55°    | 7820.4  | 3690.7  | 2685.6  | 1678.8  | 1406.4  | 1132.3  | 1216.5  | 1298.9  | 1214.7  | 1128.7  | 1023.0  |
| 57.5°  | 7976.3  | 3414.8  | 2425.9  | 1436.9  | 1241.6  | 1046.3  | 1094.7  | 1141.3  | 1107.2  | 1073.2  | 965.7   |
| 60°    | 7883.2  | 3047.6  | 2133.8  | 1218.3  | 1096.5  | 974.6   | 965.7   | 954.9   | 1005.1  | 1055.3  | 931.6   |
| 62.5°  | 7428.1  | 2667.7  | 1875.8  | 1083.9  | 992.6   | 899.4   | 879.7   | 858.2   | 940.6   | 1021.2  | 890.4   |
| 65°    | 6659.5  | 2402.6  | 1712.8  | 1023.0  | 920.9   | 818.8   | 797.3   | 775.8   | 800.9   | 825.9   | 765.0   |
| 67.5°  | 5683.0  | 2239.5  | 1619.6  | 999.7   | 876.1   | 750.7   | 725.6   | 700.5   | 695.2   | 689.8   | 668.3   |
| 70°    | 4676.1  | 2139.2  | 1558.7  | 978.2   | 827.7   | 675.4   | 652.2   | 628.9   | 621.7   | 612.7   | 596.6   |
| 72.5°  | 3909.3  | 2126.7  | 1551.5  | 976.4   | 788.3   | 600.2   | 578.7   | 557.2   | 548.2   | 537.5   | 524.9   |
| 75°    | 3201.6  | 1995.9  | 1472.7  | 949.6   | 734.6   | 517.8   | 498.1   | 478.4   | 471.2   | 462.2   | 451.5   |
| 77.5°  | 2375.7  | 1651.9  | 1238.0  | 824.1   | 628.9   | 433.6   | 413.9   | 392.4   | 390.6   | 387.0   | 378.0   |
| 80°    | 1540.8  | 1195.0  | 885.1   | 575.1   | 458.7   | 340.4   | 324.3   | 306.4   | 308.2   | 310.0   | 302.8   |
| 82.5°  | 856.4   | 696.9   | 541.1   | 385.2   | 313.5   | 241.9   | 234.7   | 225.7   | 231.1   | 234.7   | 225.7   |
| 85°    | 451.5   | 351.2   | 290.2   | 229.3   | 181.0   | 132.6   | 132.6   | 130.8   | 138.0   | 145.1   | 138.0   |
| 87.5°  | 195.3   | 123.6   | 105.7   | 86.0    | 48.4    | 9.0     | 10.7    | 10.7    | 14.3    | 17.9    | 16.1    |
| 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: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 12342.5 | 12211.7 | 12079.1 | 11934.0 | 11960.9 | 11849.8 | 11738.7 | 11668.9 | 11599.0 | 11577.5 | 11556.0 |
| 5°     | 9974.0  | 9825.3  | 9674.8  | 9540.4  | 9656.9  | 9578.0  | 9499.2  | 9488.4  | 9475.9  | 9475.9  | 9474.1  |
| 7.5°   | 7379.7  | 7220.3  | 7059.0  | 6947.9  | 7062.6  | 7048.3  | 7033.9  | 7111.0  | 7188.0  | 7250.7  | 7311.6  |
| 10°    | 5996.6  | 5803.1  | 5607.8  | 5443.0  | 5414.3  | 5331.9  | 5247.7  | 5265.6  | 5281.7  | 5349.8  | 5417.9  |
| 12.5°  | 5211.8  | 4980.7  | 4749.6  | 4556.1  | 4468.3  | 4332.2  | 4194.2  | 4108.2  | 4022.2  | 4031.2  | 4038.3  |
| 15°    | 4317.8  | 4093.9  | 3868.1  | 3701.5  | 3646.0  | 3540.3  | 3434.5  | 3327.0  | 3217.8  | 3173.0  | 3126.4  |
| 17.5°  | 3302.0  | 3122.8  | 2941.8  | 2830.8  | 2830.8  | 2800.3  | 2769.9  | 2716.1  | 2660.6  | 2615.8  | 2569.2  |
| 20°    | 2420.5  | 2325.5  | 2228.8  | 2182.2  | 2196.5  | 2198.3  | 2198.3  | 2225.2  | 2252.1  | 2237.7  | 2223.4  |
| 22.5°  | 2003.0  | 1969.0  | 1935.0  | 1915.2  | 1922.4  | 1924.2  | 1926.0  | 1951.1  | 1974.4  | 1992.3  | 2008.4  |
| 25°    | 1807.8  | 1786.3  | 1764.8  | 1757.6  | 1773.7  | 1775.5  | 1775.5  | 1791.6  | 1807.8  | 1825.7  | 1843.6  |
| 27.5°  | 1655.5  | 1646.5  | 1637.5  | 1625.0  | 1641.1  | 1641.1  | 1639.3  | 1657.3  | 1673.4  | 1689.5  | 1703.8  |
| 30°    | 1510.3  | 1513.9  | 1515.7  | 1512.1  | 1522.9  | 1530.0  | 1535.4  | 1548.0  | 1558.7  | 1571.3  | 1583.8  |
| 32.5°  | 1408.2  | 1402.8  | 1397.5  | 1393.9  | 1417.2  | 1429.7  | 1442.3  | 1454.8  | 1465.5  | 1470.9  | 1476.3  |
| 35°    | 1309.7  | 1297.1  | 1284.6  | 1275.6  | 1297.1  | 1313.3  | 1329.4  | 1352.7  | 1374.2  | 1377.8  | 1381.3  |
| 37.5°  | 1243.4  | 1227.3  | 1211.1  | 1200.4  | 1209.3  | 1216.5  | 1223.7  | 1248.8  | 1273.8  | 1288.2  | 1300.7  |
| 40°    | 1180.7  | 1164.6  | 1148.4  | 1139.5  | 1144.8  | 1146.6  | 1148.4  | 1161.0  | 1171.7  | 1198.6  | 1223.7  |
| 42.5°  | 1130.5  | 1110.8  | 1091.1  | 1080.4  | 1083.9  | 1087.5  | 1089.3  | 1087.5  | 1085.7  | 1110.8  | 1135.9  |
| 45°    | 1080.4  | 1058.9  | 1037.4  | 1024.8  | 1026.6  | 1026.6  | 1026.6  | 1023.0  | 1017.6  | 1030.2  | 1042.7  |
| 47.5°  | 1040.9  | 1015.9  | 990.8   | 978.2   | 974.6   | 971.1   | 967.5   | 965.7   | 962.1   | 971.1   | 978.2   |
| 50°    | 1001.5  | 974.6   | 946.0   | 931.6   | 922.7   | 919.1   | 915.5   | 913.7   | 910.1   | 919.1   | 926.3   |
| 52.5°  | 971.1   | 938.8   | 906.6   | 883.3   | 874.3   | 868.9   | 863.6   | 865.4   | 865.4   | 868.9   | 870.7   |
| 55°    | 917.3   | 888.6   | 858.2   | 842.1   | 825.9   | 822.4   | 818.8   | 824.1   | 827.7   | 827.7   | 827.7   |
| 57.5°  | 858.2   | 831.3   | 802.6   | 791.9   | 777.6   | 777.6   | 775.8   | 782.9   | 788.3   | 791.9   | 795.5   |
| 60°    | 806.2   | 775.8   | 745.3   | 736.4   | 731.0   | 729.2   | 727.4   | 736.4   | 743.5   | 750.7   | 757.9   |
| 62.5°  | 757.9   | 725.6   | 693.4   | 682.6   | 680.8   | 682.6   | 682.6   | 691.6   | 698.7   | 705.9   | 713.1   |
| 65°    | 704.1   | 671.9   | 637.8   | 627.1   | 630.7   | 636.0   | 641.4   | 648.6   | 653.9   | 661.1   | 668.3   |
| 67.5°  | 645.0   | 618.1   | 589.4   | 578.7   | 580.5   | 587.7   | 594.8   | 600.2   | 603.8   | 610.9   | 618.1   |
| 70°    | 580.5   | 557.2   | 533.9   | 526.7   | 524.9   | 533.9   | 541.1   | 544.7   | 548.2   | 557.2   | 564.4   |
| 72.5°  | 510.6   | 490.9   | 471.2   | 465.8   | 467.6   | 473.0   | 478.4   | 483.7   | 487.3   | 496.3   | 503.4   |
| 75°    | 438.9   | 421.0   | 403.1   | 399.5   | 403.1   | 408.5   | 413.9   | 417.4   | 421.0   | 431.8   | 440.7   |
| 77.5°  | 369.1   | 349.4   | 327.9   | 326.1   | 331.5   | 336.8   | 340.4   | 345.8   | 351.2   | 365.5   | 379.8   |
| 80°    | 295.6   | 274.1   | 250.8   | 249.0   | 254.4   | 259.8   | 265.2   | 270.5   | 275.9   | 293.8   | 310.0   |
| 82.5°  | 216.8   | 191.7   | 166.6   | 163.0   | 181.0   | 186.3   | 191.7   | 200.7   | 207.8   | 224.0   | 240.1   |
| 85°    | 130.8   | 105.7   | 80.6    | 78.8    | 95.0    | 103.9   | 112.9   | 123.6   | 132.6   | 146.9   | 161.2   |
| 87.5°  | 14.3    | 7.2     | 0.0     | 0.0     | 1.8     | 9.0     | 16.1    | 25.1    | 34.0    | 48.4    | 60.9    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 11477.2 | 11396.5 | 11478.9 | 11559.6 | 11593.6 | 11627.6 | 11539.9 | 11450.3 | 11590.0 | 11728.0 | 11763.8 |
| 5°     | 9402.5  | 9329.0  | 9384.5  | 9438.3  | 9318.2  | 9198.2  | 9185.7  | 9171.3  | 9275.2  | 9379.2  | 9395.3  |
| 7.5°   | 7288.3  | 7265.0  | 7317.0  | 7369.0  | 7216.7  | 7062.6  | 6987.3  | 6912.1  | 6937.2  | 6962.3  | 6958.7  |
| 10°    | 5434.0  | 5448.3  | 5512.8  | 5575.5  | 5457.3  | 5339.0  | 5287.1  | 5235.1  | 5292.5  | 5348.0  | 5400.0  |
| 12.5°  | 4070.6  | 4101.0  | 4169.1  | 4235.4  | 4187.0  | 4136.9  | 4142.2  | 4147.6  | 4213.9  | 4278.4  | 4335.7  |
| 15°    | 3162.2  | 3198.1  | 3246.4  | 3293.0  | 3294.8  | 3294.8  | 3341.4  | 3386.2  | 3380.8  | 3375.4  | 3414.8  |
| 17.5°  | 2617.6  | 2664.1  | 2669.5  | 2674.9  | 2676.7  | 2678.5  | 2674.9  | 2671.3  | 2644.4  | 2617.6  | 2648.0  |
| 20°    | 2241.3  | 2257.4  | 2271.8  | 2284.3  | 2268.2  | 2250.3  | 2205.5  | 2160.7  | 2142.8  | 2124.9  | 2153.5  |
| 22.5°  | 2038.9  | 2067.5  | 2053.2  | 2037.1  | 2004.8  | 1970.8  | 1936.7  | 1900.9  | 1899.1  | 1895.5  | 1911.7  |
| 25°    | 1868.7  | 1892.0  | 1866.9  | 1841.8  | 1818.5  | 1795.2  | 1771.9  | 1748.6  | 1746.8  | 1745.0  | 1752.2  |
| 27.5°  | 1727.1  | 1748.6  | 1725.3  | 1702.0  | 1682.3  | 1662.6  | 1644.7  | 1626.8  | 1623.2  | 1619.6  | 1621.4  |
| 30°    | 1605.3  | 1625.0  | 1605.3  | 1583.8  | 1569.5  | 1553.3  | 1540.8  | 1528.3  | 1526.5  | 1524.7  | 1524.7  |
| 32.5°  | 1496.0  | 1515.7  | 1501.4  | 1487.0  | 1474.5  | 1462.0  | 1453.0  | 1444.1  | 1435.1  | 1426.1  | 1406.4  |
| 35°    | 1401.1  | 1420.8  | 1411.8  | 1401.1  | 1386.7  | 1372.4  | 1356.3  | 1338.3  | 1315.1  | 1290.0  | 1279.2  |
| 37.5°  | 1320.4  | 1340.1  | 1331.2  | 1322.2  | 1302.5  | 1282.8  | 1254.1  | 1223.7  | 1216.5  | 1207.6  | 1205.8  |
| 40°    | 1255.9  | 1286.4  | 1268.5  | 1248.8  | 1218.3  | 1187.8  | 1173.5  | 1159.2  | 1155.6  | 1152.0  | 1148.4  |
| 42.5°  | 1184.3  | 1230.8  | 1198.6  | 1166.3  | 1137.7  | 1109.0  | 1105.4  | 1101.8  | 1100.1  | 1098.3  | 1098.3  |
| 45°    | 1094.7  | 1144.8  | 1112.6  | 1078.6  | 1062.4  | 1046.3  | 1046.3  | 1046.3  | 1048.1  | 1048.1  | 1051.7  |
| 47.5°  | 1010.5  | 1040.9  | 1024.8  | 1008.7  | 999.7   | 990.8   | 992.6   | 994.4   | 999.7   | 1003.3  | 1012.3  |
| 50°    | 938.8   | 949.6   | 953.1   | 954.9   | 949.6   | 944.2   | 947.8   | 949.6   | 954.9   | 958.5   | 965.7   |
| 52.5°  | 886.9   | 903.0   | 903.0   | 901.2   | 901.2   | 901.2   | 904.8   | 908.4   | 913.7   | 919.1   | 926.3   |
| 55°    | 852.8   | 876.1   | 868.9   | 861.8   | 863.6   | 863.6   | 867.1   | 870.7   | 876.1   | 879.7   | 890.4   |
| 57.5°  | 820.6   | 845.6   | 838.5   | 831.3   | 831.3   | 831.3   | 833.1   | 834.9   | 840.3   | 843.9   | 851.0   |
| 60°    | 782.9   | 808.0   | 800.9   | 791.9   | 793.7   | 795.5   | 797.3   | 797.3   | 800.9   | 802.6   | 802.6   |
| 62.5°  | 738.1   | 763.2   | 756.1   | 747.1   | 752.5   | 756.1   | 756.1   | 756.1   | 759.6   | 761.4   | 756.1   |
| 65°    | 691.6   | 714.9   | 707.7   | 700.5   | 707.7   | 713.1   | 716.7   | 718.4   | 716.7   | 714.9   | 709.5   |
| 67.5°  | 641.4   | 664.7   | 657.5   | 648.6   | 657.5   | 664.7   | 671.9   | 677.2   | 671.9   | 666.5   | 659.3   |
| 70°    | 587.7   | 610.9   | 602.0   | 593.0   | 602.0   | 610.9   | 618.1   | 625.3   | 618.1   | 610.9   | 609.2   |
| 72.5°  | 530.3   | 557.2   | 546.4   | 535.7   | 546.4   | 557.2   | 560.8   | 564.4   | 559.0   | 553.6   | 550.0   |
| 75°    | 467.6   | 494.5   | 485.5   | 474.8   | 483.7   | 492.7   | 494.5   | 496.3   | 496.3   | 494.5   | 483.7   |
| 77.5°  | 401.3   | 422.8   | 417.4   | 412.1   | 417.4   | 422.8   | 422.8   | 422.8   | 424.6   | 424.6   | 410.3   |
| 80°    | 322.5   | 335.0   | 336.8   | 338.6   | 340.4   | 342.2   | 340.4   | 338.6   | 335.0   | 331.5   | 322.5   |
| 82.5°  | 240.1   | 240.1   | 254.4   | 267.0   | 267.0   | 265.2   | 263.4   | 259.8   | 252.6   | 243.7   | 224.0   |
| 85°    | 152.3   | 143.3   | 166.6   | 188.1   | 188.1   | 186.3   | 182.7   | 177.4   | 163.0   | 146.9   | 130.8   |
| 87.5°  | 52.0    | 43.0    | 66.3    | 89.6    | 91.4    | 91.4    | 87.8    | 84.2    | 69.9    | 53.7    | 41.2    |
| 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: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 11817.6 | 11840.9 | 11862.4 | 12037.9 | 12211.7 | 12416.0 | 12620.2 | 12776.1 | 12930.2 | 13089.6 | 13249.1 |
| 5°     | 9450.8  | 9479.5  | 9508.2  | 9721.4  | 9932.8  | 10217.6 | 10502.5 | 10748.0 | 10993.4 | 11281.9 | 11570.3 |
| 7.5°   | 7005.3  | 7068.0  | 7128.9  | 7356.4  | 7582.2  | 7888.5  | 8193.1  | 8513.8  | 8832.7  | 9209.0  | 9585.2  |
| 10°    | 5502.1  | 5620.3  | 5736.8  | 5969.7  | 6202.6  | 6505.4  | 6806.4  | 7141.4  | 7476.5  | 7847.3  | 8216.4  |
| 12.5°  | 4454.0  | 4611.6  | 4767.5  | 5047.0  | 5326.5  | 5688.4  | 6048.5  | 6421.2  | 6792.1  | 7118.1  | 7444.2  |
| 15°    | 3518.8  | 3690.7  | 3861.0  | 4156.6  | 4452.2  | 4849.9  | 5245.9  | 5652.6  | 6057.5  | 6448.1  | 6838.6  |
| 17.5°  | 2744.8  | 2886.3  | 3026.1  | 3276.9  | 3525.9  | 3911.1  | 4296.3  | 4722.7  | 5149.1  | 5625.7  | 6100.5  |
| 20°    | 2214.4  | 2273.6  | 2332.7  | 2513.7  | 2692.8  | 3006.3  | 3318.1  | 3753.5  | 4188.8  | 4758.6  | 5328.3  |
| 22.5°  | 1940.3  | 1970.8  | 1999.5  | 2087.2  | 2173.2  | 2375.7  | 2576.4  | 2961.6  | 3345.0  | 3966.7  | 4586.6  |
| 25°    | 1775.5  | 1798.8  | 1822.1  | 1879.4  | 1936.7  | 2033.5  | 2130.2  | 2400.8  | 2671.3  | 3282.3  | 3891.4  |
| 27.5°  | 1626.8  | 1662.6  | 1696.7  | 1723.5  | 1748.6  | 1814.9  | 1879.4  | 2056.8  | 2234.2  | 2803.9  | 3371.8  |
| 30°    | 1519.3  | 1531.8  | 1544.4  | 1585.6  | 1625.0  | 1693.1  | 1761.2  | 1884.8  | 2008.4  | 2490.4  | 2970.5  |
| 32.5°  | 1393.9  | 1411.8  | 1429.7  | 1472.7  | 1515.7  | 1578.4  | 1641.1  | 1741.5  | 1840.0  | 2252.1  | 2662.4  |
| 35°    | 1281.0  | 1298.9  | 1316.8  | 1359.8  | 1401.1  | 1469.1  | 1535.4  | 1619.6  | 1702.0  | 2060.4  | 2418.7  |
| 37.5°  | 1211.1  | 1229.1  | 1247.0  | 1284.6  | 1320.4  | 1388.5  | 1454.8  | 1521.1  | 1585.6  | 1917.0  | 2248.5  |
| 40°    | 1152.0  | 1169.9  | 1187.8  | 1223.7  | 1257.7  | 1324.0  | 1388.5  | 1444.1  | 1499.6  | 1809.5  | 2119.5  |
| 42.5°  | 1100.1  | 1119.8  | 1139.5  | 1175.3  | 1209.3  | 1268.5  | 1327.6  | 1401.1  | 1472.7  | 1716.4  | 1958.2  |
| 45°    | 1057.1  | 1076.8  | 1094.7  | 1134.1  | 1173.5  | 1230.8  | 1288.2  | 1390.3  | 1492.4  | 1668.0  | 1843.6  |
| 47.5°  | 1017.6  | 1039.1  | 1058.9  | 1101.8  | 1144.8  | 1216.5  | 1286.4  | 1372.4  | 1456.6  | 1630.4  | 1804.2  |
| 50°    | 980.0   | 1005.1  | 1030.2  | 1082.1  | 1132.3  | 1252.3  | 1370.6  | 1383.1  | 1393.9  | 1599.9  | 1804.2  |
| 52.5°  | 944.2   | 972.9   | 1001.5  | 1066.0  | 1128.7  | 1268.5  | 1408.2  | 1363.4  | 1316.8  | 1542.6  | 1768.3  |
| 55°    | 908.4   | 933.4   | 956.7   | 1035.6  | 1114.4  | 1216.5  | 1318.6  | 1259.5  | 1198.6  | 1435.1  | 1671.6  |
| 57.5°  | 860.0   | 886.9   | 911.9   | 996.1   | 1080.4  | 1152.0  | 1221.9  | 1168.1  | 1112.6  | 1313.3  | 1512.1  |
| 60°    | 809.8   | 840.3   | 870.7   | 978.2   | 1083.9  | 1071.4  | 1057.1  | 1046.3  | 1033.8  | 1177.1  | 1320.4  |
| 62.5°  | 765.0   | 797.3   | 829.5   | 969.3   | 1109.0  | 1023.0  | 937.0   | 946.0   | 953.1   | 1058.9  | 1164.6  |
| 65°    | 720.2   | 752.5   | 782.9   | 852.8   | 922.7   | 888.6   | 854.6   | 868.9   | 881.5   | 985.4   | 1089.3  |
| 67.5°  | 670.1   | 698.7   | 725.6   | 748.9   | 772.2   | 775.8   | 779.4   | 793.7   | 808.0   | 931.6   | 1053.5  |
| 70°    | 614.5   | 637.8   | 661.1   | 677.2   | 691.6   | 698.7   | 704.1   | 722.0   | 739.9   | 874.3   | 1008.7  |
| 72.5°  | 551.8   | 571.5   | 589.4   | 603.8   | 618.1   | 623.5   | 627.1   | 645.0   | 662.9   | 806.2   | 949.6   |
| 75°    | 483.7   | 499.9   | 514.2   | 526.7   | 539.3   | 546.4   | 553.6   | 566.2   | 578.7   | 734.6   | 888.6   |
| 77.5°  | 408.5   | 424.6   | 438.9   | 449.7   | 458.7   | 465.8   | 471.2   | 487.3   | 503.4   | 634.2   | 763.2   |
| 80°    | 318.9   | 338.6   | 356.5   | 365.5   | 372.7   | 374.4   | 374.4   | 388.8   | 403.1   | 496.3   | 587.7   |
| 82.5°  | 225.7   | 247.2   | 267.0   | 274.1   | 281.3   | 281.3   | 281.3   | 297.4   | 313.5   | 376.2   | 437.2   |
| 85°    | 132.6   | 155.9   | 177.4   | 184.5   | 191.7   | 195.3   | 197.1   | 204.2   | 209.6   | 254.4   | 297.4   |
| 87.5°  | 41.2    | 60.9    | 78.8    | 82.4    | 86.0    | 93.2    | 100.3   | 102.1   | 102.1   | 132.6   | 163.0   |
| 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: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: P320543

CATALOG NUMBER: GLEON-SA9D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 | 13652.2 |
| 2.5°   | 13431.8 | 13614.6 | 13827.8 | 14039.2 | 14220.1 | 14401.1 | 14551.6 |
| 5°     | 11937.6 | 12304.9 | 12754.6 | 13202.5 | 13602.0 | 14001.6 | 14465.6 |
| 7.5°   | 10060.0 | 10534.8 | 11117.0 | 11699.3 | 12263.7 | 12826.2 | 13539.3 |
| 10°    | 8700.1  | 9182.1  | 9798.4  | 10412.9 | 11047.2 | 11679.6 | 12485.8 |
| 12.5°  | 7836.6  | 8227.1  | 8823.8  | 9420.4  | 10165.7 | 10909.2 | 11685.0 |
| 15°    | 7266.8  | 7693.2  | 8273.7  | 8854.2  | 9669.4  | 10484.6 | 11376.8 |
| 17.5°  | 6659.5  | 7216.7  | 7960.2  | 8703.7  | 9669.4  | 10633.3 | 11685.0 |
| 20°    | 6023.4  | 6716.8  | 7680.7  | 8644.6  | 9945.3  | 11244.2 | 12586.2 |
| 22.5°  | 5389.2  | 6191.9  | 7428.1  | 8662.5  | 10362.8 | 12061.2 | 13872.6 |
| 25°    | 4817.7  | 5744.0  | 7274.0  | 8802.3  | 10970.1 | 13136.2 | 15382.9 |
| 27.5°  | 4384.1  | 5394.6  | 7211.3  | 9026.2  | 11740.5 | 14454.8 | 17025.8 |
| 30°    | 3998.9  | 5027.3  | 7136.0  | 9244.8  | 12482.3 | 15717.9 | 18310.4 |
| 32.5°  | 3665.7  | 4669.0  | 6990.9  | 9311.1  | 13000.0 | 16689.0 | 19397.9 |
| 35°    | 3404.1  | 4389.5  | 6747.3  | 9105.0  | 13324.3 | 17543.6 | 20530.2 |
| 37.5°  | 3178.3  | 4108.2  | 6469.6  | 8830.9  | 13612.8 | 18394.6 | 21804.1 |
| 40°    | 2963.3  | 3807.2  | 6231.3  | 8653.6  | 14010.5 | 19367.5 | 23149.6 |
| 42.5°  | 2759.1  | 3560.0  | 6039.6  | 8519.2  | 14379.6 | 20238.2 | 24326.7 |
| 45°    | 2606.8  | 3370.0  | 5869.4  | 8366.9  | 14617.9 | 20868.9 | 25213.5 |
| 47.5°  | 2531.6  | 3257.2  | 5778.0  | 8297.0  | 14856.2 | 21413.5 | 25949.9 |
| 50°    | 2520.8  | 3237.5  | 5881.9  | 8526.3  | 15372.1 | 22216.2 | 26792.0 |
| 52.5°  | 2519.0  | 3269.7  | 6181.1  | 9092.5  | 16330.7 | 23567.0 | 27703.9 |
| 55°    | 2481.4  | 3289.4  | 6537.6  | 9784.1  | 17617.1 | 25448.2 | 29343.2 |
| 57.5°  | 2366.7  | 3221.3  | 6904.9  | 10586.7 | 18976.9 | 27365.3 | 31190.4 |
| 60°    | 2189.4  | 3056.5  | 7207.7  | 11357.1 | 19890.6 | 28422.3 | 31901.7 |
| 62.5°  | 1967.2  | 2768.1  | 7308.0  | 11846.2 | 19865.5 | 27884.9 | 31185.0 |
| 65°    | 1777.3  | 2465.3  | 6978.4  | 11489.7 | 18860.4 | 26229.4 | 29767.9 |
| 67.5°  | 1608.9  | 2162.5  | 6154.2  | 10144.2 | 17052.7 | 23959.4 | 27965.5 |
| 70°    | 1487.0  | 1963.6  | 5091.8  | 8220.0  | 14789.9 | 21358.0 | 25878.2 |
| 72.5°  | 1410.0  | 1868.7  | 4151.2  | 6431.9  | 12002.1 | 17570.5 | 22135.5 |
| 75°    | 1304.3  | 1720.0  | 3257.2  | 4792.6  | 9185.7  | 13578.7 | 16719.4 |
| 77.5°  | 1107.2  | 1449.4  | 2454.5  | 3459.6  | 6740.1  | 10018.8 | 11627.6 |
| 80°    | 854.6   | 1119.8  | 1687.7  | 2255.7  | 4638.5  | 7021.4  | 7927.9  |
| 82.5°  | 609.2   | 781.1   | 1023.0  | 1264.9  | 3081.6  | 4896.5  | 4971.8  |
| 85°    | 376.2   | 455.1   | 585.9   | 716.7   | 2038.9  | 3361.1  | 2800.3  |
| 87.5°  | 202.5   | 241.9   | 310.0   | 376.2   | 652.2   | 928.1   | 533.9   |
| 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: P320543  
 CATALOG NUMBER: GLEON-SA9D-722-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: SP1-1908-441-10-R4

Test Date: 10/25/2019

Luminaire Tested: SA1C-722-U-5WQ

Data in this report applies to families of products SA1C-722-U-5WQ.

### Test Information

Test Method: LM-79-2008 Report  
 Number: SP1-1908-441-10-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-722-U-5WQ**  
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

\*\*\*THIS IS A REVISION OF SP1-1908-441-4-R3. TO UPDATE THE CATALOG INFORMATION.\*\*\*TESTED IN SITU. ROADWAY AND AREA LUMINAIRE. (1) 70 CRI, 5000K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

### Spectral Parameters

|                           |         |           |      |      |       |
|---------------------------|---------|-----------|------|------|-------|
| CCT (K):                  | 2237    | CRI (Ra): | 72.0 |      |       |
| CIE u':                   | 0.2876  | R1:       | 68.9 | R9:  | -17.4 |
| CIE v':                   | 0.5346  | R2:       | 83.0 | R10: | 61.3  |
| Duv:                      | -0.0006 | R3:       | 95.2 | R11: | 59.8  |
| CIE x:                    | 0.5005  | R4:       | 66.2 | R12: | 50.5  |
| CIE y:                    | 0.4134  | R5:       | 65.9 | R13: | 71.1  |
| CIE z:                    | 0.0860  | R6:       | 76.3 | R14: | 96.9  |
| Peak Wavelength (nm):     | 603     | R7:       | 76.7 |      |       |
| Dominant Wavelength (nm): | 587     | R8:       | 43.8 |      |       |
| Purity:                   | 74.5    |           |      |      |       |
| Rf:                       | 69.8    |           |      |      |       |
| Rg:                       | 99.2    |           |      |      |       |



### Test Conditions

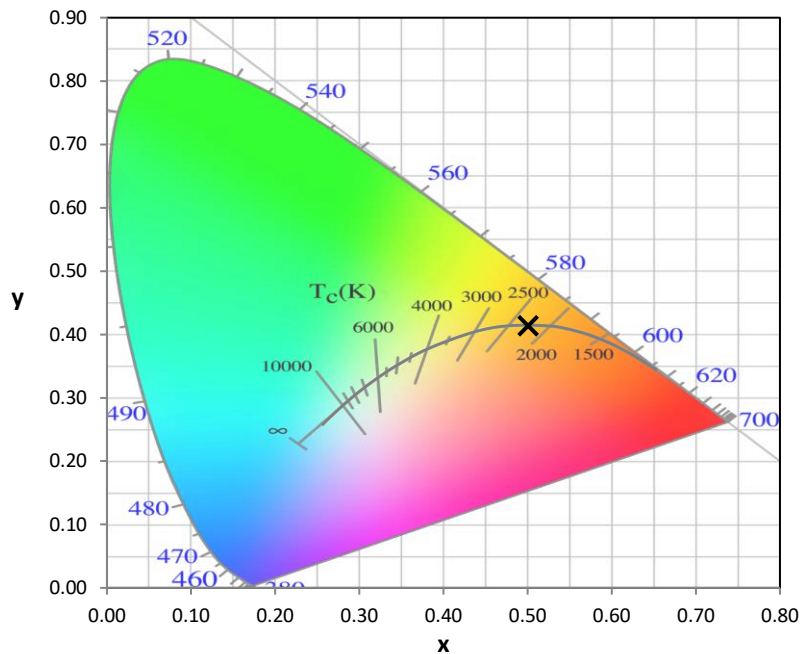
Stabilization Time: 71M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.7/41%  
 Sphere Temperature (°C): 25.6

REPORT NUMBER: SP1-1908-441-10-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: SP1-1908-441-10-R4

**CIE 1931 Chromaticity Diagram**



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



Point lies inside the ANSI 2200K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-10-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       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 4696.9

S/P: 0.85

| 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       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 1470.8 M/P: 0.27**

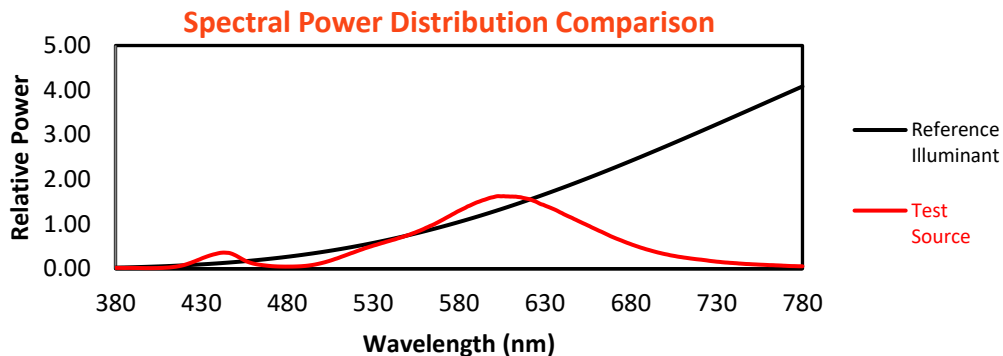
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

TM-30-18

### Summary

$R_f = 69.8$   
 $R_g = 99.2$   
 CIE  $R_a = 72.0$   
 $R_g = -17.4$



### Color Vector Graphics

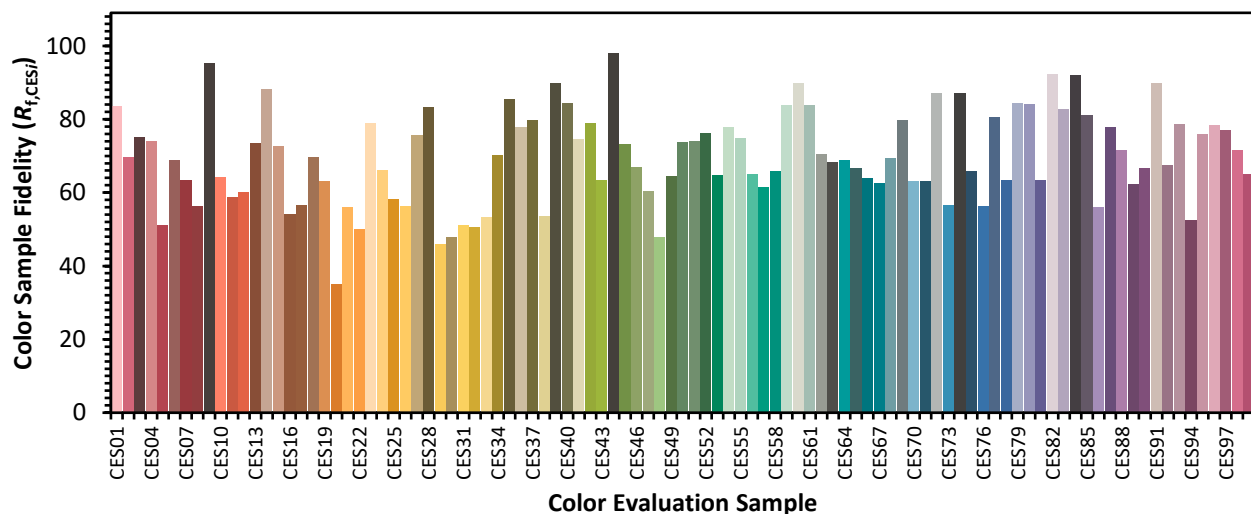


REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

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

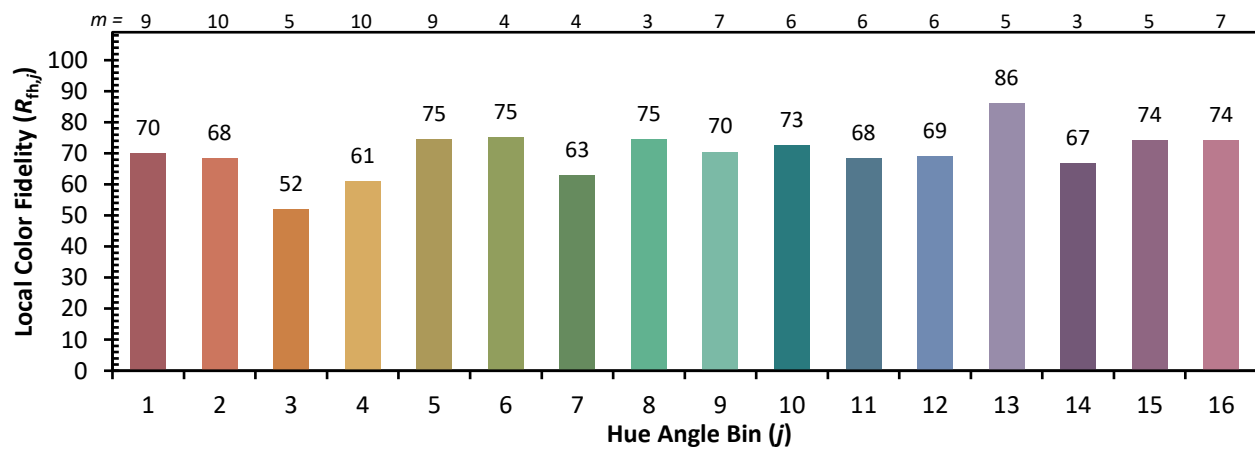
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 87 | CES26 = 56 | CES51 = 74 | CES76 = 56 |
| CES02 = 65 | CES27 = 76 | CES52 = 76 | CES77 = 81 |
| CES03 = 32 | CES28 = 83 | CES53 = 65 | CES78 = 63 |
| CES04 = 72 | CES29 = 46 | CES54 = 78 | CES79 = 84 |
| CES05 = 52 | CES30 = 48 | CES55 = 75 | CES80 = 84 |
| CES06 = 52 | CES31 = 51 | CES56 = 65 | CES81 = 63 |
| CES07 = 44 | CES32 = 51 | CES57 = 62 | CES82 = 92 |
| CES08 = 42 | CES33 = 53 | CES58 = 66 | CES83 = 83 |
| CES09 = 29 | CES34 = 70 | CES59 = 84 | CES84 = 92 |
| CES10 = 78 | CES35 = 85 | CES60 = 90 | CES85 = 81 |
| CES11 = 61 | CES36 = 78 | CES61 = 84 | CES86 = 56 |
| CES12 = 68 | CES37 = 80 | CES62 = 70 | CES87 = 78 |
| CES13 = 45 | CES38 = 53 | CES63 = 68 | CES88 = 72 |
| CES14 = 75 | CES39 = 90 | CES64 = 69 | CES89 = 62 |
| CES15 = 72 | CES40 = 84 | CES65 = 67 | CES90 = 67 |
| CES16 = 49 | CES41 = 75 | CES66 = 64 | CES91 = 90 |
| CES17 = 51 | CES42 = 79 | CES67 = 63 | CES92 = 67 |
| CES18 = 57 | CES43 = 64 | CES68 = 69 | CES93 = 79 |
| CES19 = 74 | CES44 = 98 | CES69 = 80 | CES94 = 52 |
| CES20 = 68 | CES45 = 73 | CES70 = 63 | CES95 = 76 |
| CES21 = 89 | CES46 = 67 | CES71 = 63 | CES96 = 78 |
| CES22 = 81 | CES47 = 60 | CES72 = 87 | CES97 = 77 |
| CES23 = 92 | CES48 = 48 | CES73 = 56 | CES98 = 71 |
| CES24 = 92 | CES49 = 64 | CES74 = 87 | CES99 = 65 |
| CES25 = 74 | CES50 = 74 | CES75 = 66 |            |



REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

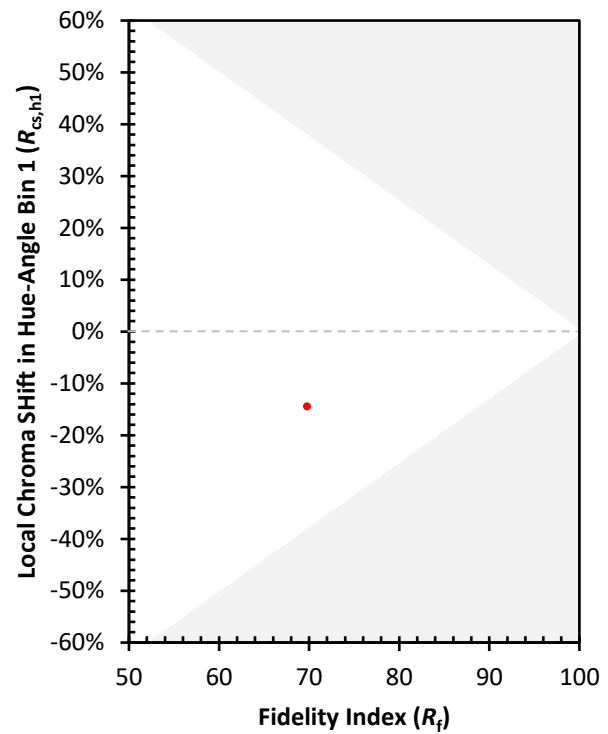
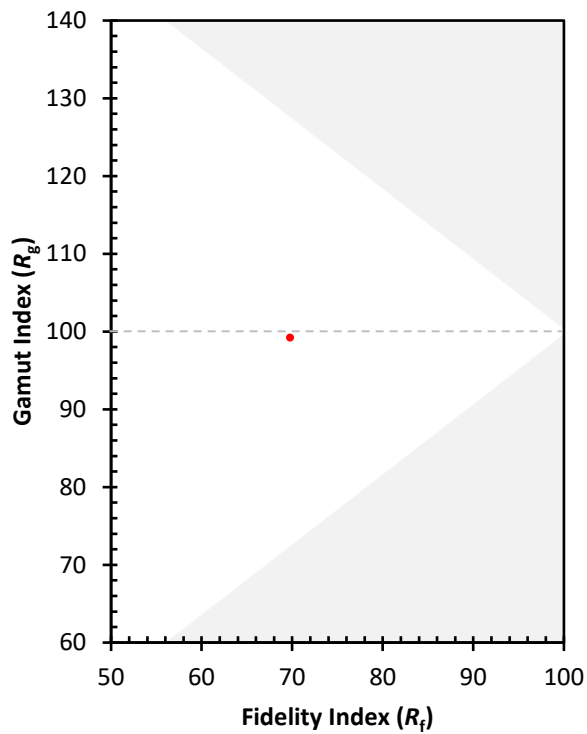
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

**Measure Comparisons**



(END OF REPORT)