

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: P320424

Luminaire Tested: **GLEON-SA0D-760-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320424  
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-SA0D-760-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5700K, 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: 67490 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

Input Watts (W): 640  
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

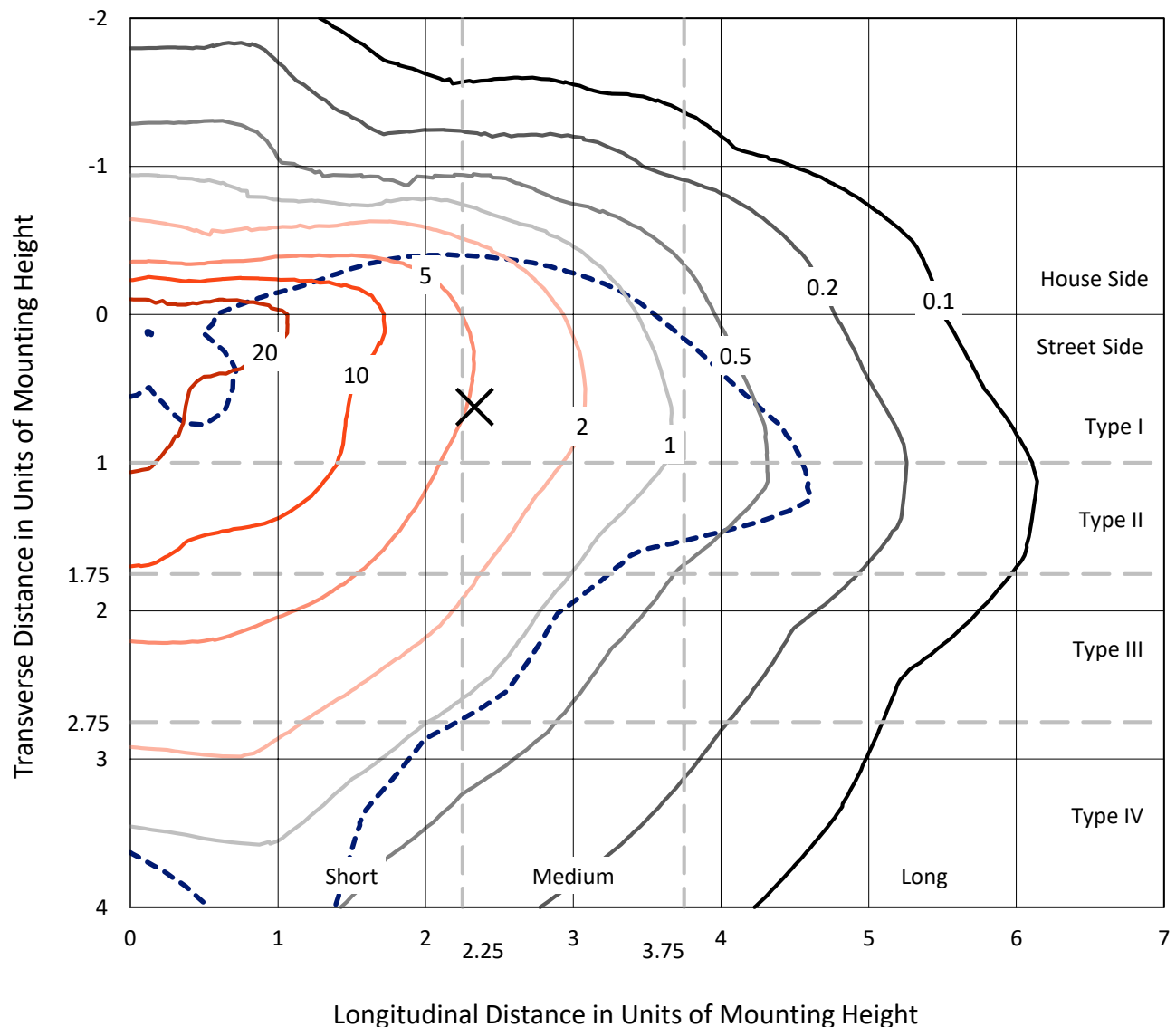


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## Iso-Footcandle Lines of Horizontal Illumination

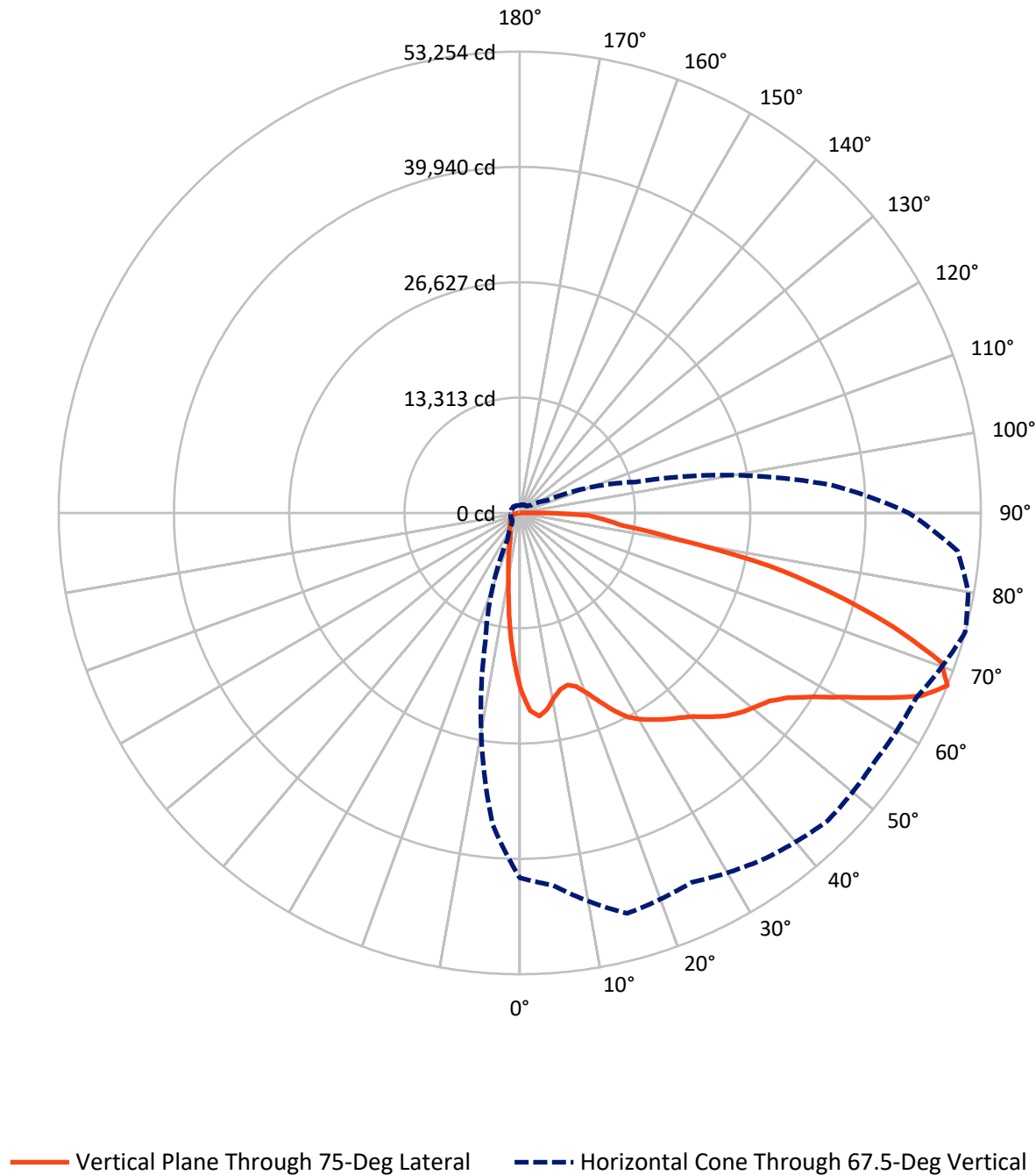
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 41.4 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 11886.6  | 0.0    | 11886.6 |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 55603.4  | 0.0    | 55603.4 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 67490.0  | 0.0    | 67490.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1586.9  | 2.4       |
| 10°-20°   | 3296.6  | 4.9       |
| 20°-30°   | 4688.4  | 6.9       |
| 30°-40°   | 6756.0  | 10.0      |
| 40°-50°   | 9521.1  | 14.1      |
| 50°-60°   | 13235.9 | 19.6      |
| 60°-70°   | 16006.2 | 23.7      |
| 70°-80°   | 9838.8  | 14.6      |
| 80°-90°   | 2560.2  | 3.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 67490.0 | 100.0     |
| 0°-180°   | 67490.0 | 100.0     |

**Coefficient of Utilization**



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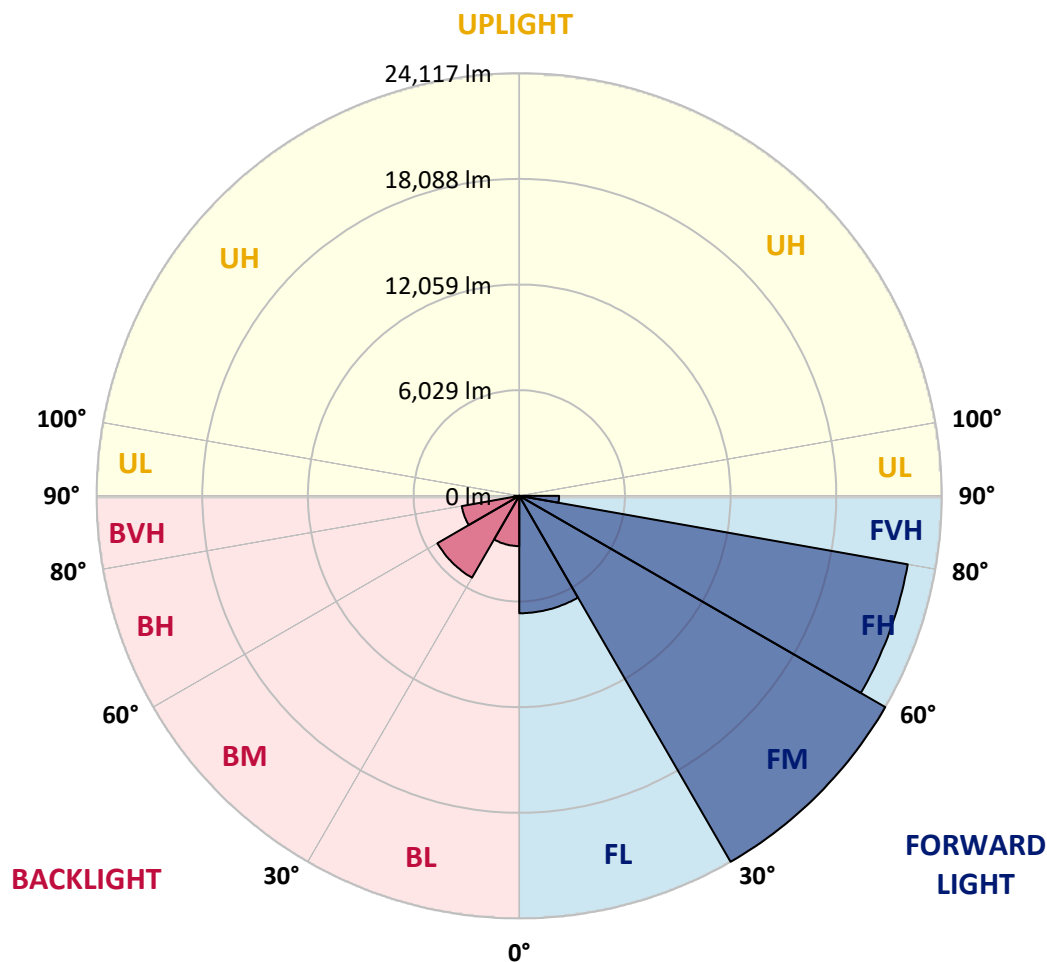
CATALOG NUMBER: GLEON-SA0D-760-U-SLL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 6701.1  | 9.9       |                         |      |         |
| FM   | (30°-60°)   | 24117.3 | 35.7      |                         |      |         |
| FH   | (60°-80°)   | 22512.4 | 33.4      |                         |      | G5      |
| FVH  | (80°-90°)   | 2272.5  | 3.4       |                         |      | G5      |
| BL   | (0°-30°)    | 2870.7  | 4.3       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5395.6  | 8.0       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3332.6  | 4.9       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 287.7   | 0.4       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

**BUG Rating: B4-U0-G5**

Type III Medium





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CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 21915.7 | 22204.4 | 22404.1 | 22601.1 | 22754.9 | 22906.0 | 23127.2 | 23348.5 | 23391.7 | 23432.1 | 23345.8 |
| 5°     | 21786.2 | 22490.4 | 23089.5 | 23685.8 | 24238.9 | 24792.1 | 25124.0 | 25455.9 | 25523.3 | 25590.8 | 25383.0 |
| 7.5°   | 20391.2 | 21430.0 | 22468.9 | 23507.7 | 24460.2 | 25412.7 | 25992.8 | 26570.3 | 26702.5 | 26832.0 | 26492.0 |
| 10°    | 18804.5 | 20013.4 | 21289.7 | 22566.0 | 23820.7 | 25075.4 | 25914.6 | 26753.8 | 26921.1 | 27088.4 | 26664.7 |
| 12.5°  | 17598.4 | 18917.9 | 20280.5 | 21643.2 | 22968.0 | 24290.2 | 25159.1 | 26027.9 | 26235.7 | 26443.5 | 26135.9 |
| 15°    | 17134.3 | 18580.6 | 19862.3 | 21144.0 | 22298.9 | 23451.0 | 24163.4 | 24873.0 | 24959.4 | 25043.0 | 24994.5 |
| 17.5°  | 17598.4 | 19193.1 | 20353.4 | 21511.0 | 22139.7 | 22765.7 | 23051.7 | 23335.0 | 23429.5 | 23521.2 | 23645.3 |
| 20°    | 18955.6 | 20677.2 | 21494.8 | 22309.7 | 22282.7 | 22253.0 | 22115.4 | 21975.1 | 21950.8 | 21926.5 | 22277.3 |
| 22.5°  | 20893.0 | 22892.5 | 23219.0 | 23542.8 | 22784.6 | 22026.3 | 21564.9 | 21100.8 | 21009.1 | 20914.6 | 21287.0 |
| 25°    | 23167.7 | 25296.7 | 25237.3 | 25175.3 | 23731.7 | 22285.4 | 21405.7 | 20526.1 | 20423.5 | 20321.0 | 20639.4 |
| 27.5°  | 25642.1 | 27676.6 | 27288.0 | 26899.5 | 24937.8 | 22976.1 | 21699.8 | 20423.5 | 20321.0 | 20218.5 | 20499.1 |
| 30°    | 27576.8 | 29422.4 | 28799.1 | 28175.8 | 25955.1 | 23734.4 | 22217.9 | 20701.5 | 20534.2 | 20364.2 | 20709.6 |
| 32.5°  | 29214.6 | 30785.1 | 29948.6 | 29112.1 | 26780.8 | 24449.4 | 22808.8 | 21168.3 | 20906.5 | 20644.8 | 21106.2 |
| 35°    | 30920.0 | 32145.0 | 30968.5 | 29789.4 | 27517.4 | 25242.7 | 23507.7 | 21770.0 | 21448.9 | 21127.8 | 21761.9 |
| 37.5°  | 32838.5 | 33855.7 | 32166.6 | 30474.7 | 28345.8 | 26216.8 | 24554.6 | 22889.8 | 22560.6 | 22231.4 | 23040.9 |
| 40°    | 34864.9 | 35712.2 | 33459.1 | 31206.0 | 29252.4 | 27298.8 | 26003.6 | 24705.8 | 24392.7 | 24077.0 | 25059.2 |
| 42.5°  | 36637.7 | 37255.6 | 34662.5 | 32069.4 | 30345.2 | 28618.3 | 27706.3 | 26791.5 | 26788.9 | 26783.5 | 27779.1 |
| 45°    | 37973.4 | 38510.3 | 35666.3 | 32819.6 | 31411.1 | 29999.8 | 29524.9 | 29050.0 | 29430.5 | 29811.0 | 30712.2 |
| 47.5°  | 39082.4 | 39446.6 | 36508.2 | 33567.0 | 32630.7 | 31694.4 | 31764.5 | 31834.7 | 32609.1 | 33383.5 | 33963.7 |
| 50°    | 40350.6 | 40056.5 | 37271.8 | 34484.4 | 34195.7 | 33907.0 | 34538.4 | 35167.1 | 36057.6 | 36945.3 | 37339.3 |
| 52.5°  | 41724.0 | 40944.2 | 38307.9 | 35669.0 | 35992.8 | 36316.6 | 37601.0 | 38885.4 | 39783.9 | 40682.5 | 40830.9 |
| 55°    | 44193.0 | 42997.6 | 40213.0 | 37425.6 | 38048.9 | 38669.5 | 40555.6 | 42439.1 | 43140.6 | 43842.2 | 43896.2 |
| 57.5°  | 46974.9 | 45914.5 | 42881.6 | 39848.7 | 40517.9 | 41187.0 | 43364.6 | 45539.4 | 46297.7 | 47053.2 | 46947.9 |
| 60°    | 48046.2 | 48097.4 | 45415.3 | 42730.5 | 43405.1 | 44079.6 | 46200.5 | 48321.4 | 49192.9 | 50061.8 | 49829.7 |
| 62.5°  | 46966.8 | 48232.3 | 46799.5 | 45364.0 | 45976.6 | 46586.4 | 48664.1 | 50741.8 | 51634.9 | 52528.1 | 52123.3 |
| 65°    | 44832.5 | 46087.2 | 46729.4 | 47371.6 | 47574.0 | 47776.3 | 49716.4 | 51653.8 | 52339.2 | 53021.8 | 52816.8 |
| 67.5°  | 42118.0 | 43132.5 | 45501.7 | 47868.1 | 47460.6 | 47053.2 | 47962.5 | 48871.8 | 49576.1 | 50280.4 | 50164.3 |
| 70°    | 38974.4 | 40183.3 | 43343.0 | 46502.7 | 44500.6 | 42495.7 | 42120.7 | 41745.6 | 42506.5 | 43264.7 | 42795.2 |
| 72.5°  | 33337.7 | 35161.7 | 38531.9 | 41899.4 | 38210.8 | 34522.2 | 33240.5 | 31958.8 | 32922.1 | 33885.4 | 33138.0 |
| 75°    | 25180.7 | 27601.0 | 31324.7 | 35045.7 | 30644.7 | 26243.8 | 24533.1 | 22822.3 | 23650.7 | 24479.1 | 23966.4 |
| 77.5°  | 17512.1 | 20547.7 | 24214.7 | 27881.7 | 23407.9 | 18931.4 | 17660.5 | 16386.9 | 16635.1 | 16880.6 | 16794.3 |
| 80°    | 11940.0 | 13936.8 | 16494.8 | 19050.1 | 16071.2 | 13092.2 | 13192.1 | 13289.2 | 13173.2 | 13054.4 | 13227.1 |
| 82.5°  | 7487.8  | 8893.6  | 10868.8 | 12841.3 | 11260.1 | 9678.8  | 10585.5 | 11492.1 | 11046.9 | 10599.0 | 10766.3 |
| 85°    | 4217.5  | 5075.5  | 7007.5  | 8936.8  | 8329.7  | 7719.9  | 8251.4  | 8780.3  | 8089.5  | 7398.8  | 7703.7  |
| 87.5°  | 804.1   | 1338.4  | 3877.5  | 6413.9  | 5823.0  | 5232.0  | 4546.7  | 3861.3  | 2946.6  | 2031.8  | 2968.1  |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

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



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**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 23259.5 | 23213.6 | 23167.7 | 23003.1 | 22835.8 | 22587.6 | 22382.5 | 22026.3 | 21832.1 | 21537.9 | 21243.8 |
| 5°     | 25172.6 | 24881.1 | 24589.7 | 24087.8 | 23583.3 | 23022.0 | 22377.1 | 21662.1 | 21122.4 | 20420.8 | 19719.3 |
| 7.5°   | 26152.0 | 25472.1 | 24789.4 | 23826.1 | 22860.1 | 21991.3 | 20971.3 | 20021.5 | 19212.0 | 18300.0 | 17387.9 |
| 10°    | 26241.1 | 25221.1 | 24198.5 | 22946.5 | 21691.7 | 20636.7 | 19462.9 | 18407.9 | 17436.5 | 16389.6 | 15339.9 |
| 12.5°  | 25825.6 | 24740.8 | 23653.4 | 22274.6 | 20893.0 | 19695.0 | 18432.2 | 17250.3 | 16173.7 | 15021.5 | 13866.6 |
| 15°    | 24945.9 | 24079.7 | 23210.9 | 21918.4 | 20625.9 | 19417.1 | 18192.0 | 16791.6 | 15574.7 | 14395.5 | 13213.6 |
| 17.5°  | 23766.7 | 23356.6 | 22943.8 | 22010.1 | 21073.8 | 20026.9 | 18839.6 | 17196.3 | 15771.6 | 14489.9 | 13208.2 |
| 20°    | 22625.4 | 22776.5 | 22924.9 | 22552.5 | 22180.1 | 21341.0 | 20304.8 | 18459.2 | 16640.5 | 14964.8 | 13286.5 |
| 22.5°  | 21656.7 | 22382.5 | 23105.7 | 23394.4 | 23680.4 | 23175.8 | 22366.3 | 20232.0 | 17825.1 | 15636.7 | 13448.4 |
| 25°    | 20955.1 | 22158.5 | 23362.0 | 24322.6 | 25280.5 | 25056.5 | 24433.2 | 22385.2 | 19395.5 | 16605.4 | 13812.7 |
| 27.5°  | 20779.7 | 22255.7 | 23731.7 | 25221.1 | 26707.9 | 26915.7 | 26743.0 | 24654.5 | 21268.1 | 17808.9 | 14346.9 |
| 30°    | 21054.9 | 22549.8 | 24042.0 | 25855.2 | 27665.8 | 28494.2 | 28726.2 | 26546.0 | 23407.9 | 19212.0 | 15013.4 |
| 32.5°  | 21567.6 | 23032.8 | 24498.0 | 26473.1 | 28445.6 | 29697.6 | 30437.0 | 28275.6 | 24900.0 | 20269.7 | 15636.7 |
| 35°    | 22396.0 | 23766.7 | 25137.5 | 27193.6 | 29249.7 | 30868.7 | 32217.9 | 30061.9 | 26224.9 | 21009.1 | 15790.5 |
| 37.5°  | 23847.7 | 25026.9 | 26206.0 | 28105.6 | 30002.5 | 32101.8 | 34128.3 | 32029.0 | 27657.7 | 21721.4 | 15782.4 |
| 40°    | 26041.4 | 26875.2 | 27706.3 | 29311.8 | 30914.6 | 33556.2 | 36292.3 | 34222.7 | 29241.6 | 22493.1 | 15744.7 |
| 42.5°  | 28774.8 | 29203.8 | 29630.2 | 30901.1 | 32172.0 | 35075.4 | 38256.7 | 36367.9 | 30752.7 | 23210.9 | 15669.1 |
| 45°    | 31610.7 | 31724.1 | 31837.4 | 32638.8 | 33437.5 | 36278.8 | 39595.0 | 37978.8 | 32072.1 | 23834.2 | 15593.6 |
| 47.5°  | 34541.1 | 34152.5 | 33764.0 | 34082.4 | 34400.8 | 37201.6 | 40550.2 | 39201.1 | 33397.0 | 24525.0 | 15650.2 |
| 50°    | 37733.2 | 36651.2 | 35569.2 | 35401.9 | 35234.6 | 38124.5 | 41675.4 | 40755.3 | 34989.0 | 25531.4 | 16073.9 |
| 52.5°  | 40976.6 | 39193.0 | 37409.4 | 36748.3 | 36084.5 | 39225.4 | 43167.6 | 42690.0 | 37261.0 | 27091.1 | 16918.4 |
| 55°    | 43950.1 | 41680.8 | 39411.6 | 38521.1 | 37630.7 | 40909.1 | 44989.0 | 45531.3 | 40172.5 | 29085.1 | 17995.0 |
| 57.5°  | 46840.0 | 44268.5 | 41697.0 | 40871.3 | 40045.7 | 43383.5 | 47296.0 | 48081.2 | 43113.6 | 30998.2 | 18880.1 |
| 60°    | 49597.7 | 47053.2 | 44506.0 | 43844.9 | 43181.1 | 46459.6 | 49789.3 | 49217.2 | 44630.1 | 31894.1 | 19155.3 |
| 62.5°  | 51718.6 | 49694.8 | 47671.1 | 47323.0 | 46972.2 | 49570.7 | 51705.1 | 48774.7 | 43666.8 | 31011.7 | 18356.6 |
| 65°    | 52611.7 | 51459.5 | 50304.6 | 50631.1 | 50954.9 | 51923.6 | 52182.7 | 47479.5 | 40639.3 | 28540.1 | 16440.8 |
| 67.5°  | 50045.6 | 50280.4 | 50515.1 | 51885.9 | 53253.9 | 52587.4 | 50763.4 | 44926.9 | 36330.1 | 25037.6 | 13745.2 |
| 70°    | 42323.0 | 43731.6 | 45137.4 | 48380.8 | 51621.4 | 50142.7 | 46961.4 | 40345.2 | 31143.9 | 21003.7 | 10860.7 |
| 72.5°  | 32387.9 | 33971.8 | 35553.0 | 40366.8 | 45177.9 | 43815.2 | 39918.8 | 33138.0 | 24970.2 | 16772.7 | 8572.5  |
| 75°    | 23451.0 | 25240.0 | 27026.3 | 32336.6 | 37646.9 | 35755.3 | 29859.5 | 23726.3 | 18966.4 | 12803.5 | 6637.8  |
| 77.5°  | 16705.3 | 17903.3 | 19101.4 | 24346.9 | 29589.7 | 26508.2 | 19875.8 | 15965.9 | 13127.3 | 8899.0  | 4668.1  |
| 80°    | 13399.8 | 13032.9 | 12665.9 | 15588.2 | 18510.4 | 17997.7 | 13146.2 | 10253.6 | 9085.2  | 5963.3  | 2841.3  |
| 82.5°  | 10930.9 | 10035.0 | 9139.2  | 10515.3 | 11891.5 | 11815.9 | 9123.0  | 7522.9  | 6762.0  | 4144.6  | 1527.2  |
| 85°    | 8005.9  | 7647.0  | 7288.1  | 8505.1  | 9722.0  | 8683.2  | 6179.1  | 4781.4  | 5272.5  | 3051.8  | 831.1   |
| 87.5°  | 3904.5  | 4460.3  | 5013.5  | 6449.0  | 7881.8  | 5917.4  | 1875.3  | 928.2   | 1284.4  | 844.6   | 402.0   |
| 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: P320424  
 CATALOG NUMBER: GLEON-SA0D-760-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: P320424

CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 21025.3 | 20804.0 | 20553.0 | 20302.1 | 20016.1 | 19727.4 | 19557.4 | 19384.7 | 19198.5 | 19012.3 | 18801.8 |
| 5°     | 19255.2 | 18791.1 | 18264.9 | 17738.7 | 17217.9 | 16697.2 | 16416.5 | 16135.9 | 15839.1 | 15539.6 | 15280.5 |
| 7.5°   | 16713.4 | 16036.1 | 15307.5 | 14576.3 | 13928.7 | 13278.4 | 12876.3 | 12471.6 | 12104.6 | 11735.0 | 11424.7 |
| 10°    | 14476.4 | 13613.0 | 12881.7 | 12147.8 | 11659.4 | 11171.0 | 10801.3 | 10431.7 | 10075.5 | 9716.6  | 9373.9  |
| 12.5°  | 13003.2 | 12139.7 | 11675.6 | 11211.5 | 10806.7 | 10402.0 | 9975.7  | 9546.6  | 9058.2  | 8567.1  | 8208.3  |
| 15°    | 12428.4 | 11643.2 | 11127.8 | 10609.8 | 10067.4 | 9522.3  | 8998.9  | 8475.4  | 7898.0  | 7320.5  | 6913.1  |
| 17.5°  | 12180.2 | 11152.1 | 10431.7 | 9708.5  | 8993.5  | 8278.4  | 7671.3  | 7064.2  | 6432.8  | 5801.4  | 5388.5  |
| 20°    | 11918.4 | 10550.4 | 9584.4  | 8615.7  | 7698.3  | 6780.9  | 6092.8  | 5404.7  | 4840.8  | 4276.8  | 3961.1  |
| 22.5°  | 11681.0 | 9910.9  | 8699.4  | 7485.1  | 6400.4  | 5315.7  | 4641.1  | 3963.8  | 3618.4  | 3273.1  | 3146.2  |
| 25°    | 11583.9 | 9352.4  | 7862.9  | 6373.4  | 5229.3  | 4082.5  | 3602.2  | 3121.9  | 2989.7  | 2854.8  | 2790.1  |
| 27.5°  | 11600.0 | 8853.2  | 7158.6  | 5461.4  | 4430.6  | 3399.9  | 3070.7  | 2741.5  | 2660.5  | 2576.9  | 2536.4  |
| 30°    | 11662.1 | 8310.8  | 6494.8  | 4678.9  | 3828.9  | 2978.9  | 2765.8  | 2549.9  | 2463.6  | 2377.2  | 2325.9  |
| 32.5°  | 11732.3 | 7825.1  | 5982.2  | 4136.5  | 3443.0  | 2746.9  | 2571.5  | 2393.4  | 2309.8  | 2226.1  | 2174.8  |
| 35°    | 11610.8 | 7428.5  | 5631.4  | 3834.3  | 3194.8  | 2552.6  | 2404.2  | 2253.1  | 2161.3  | 2069.6  | 2021.0  |
| 37.5°  | 11405.8 | 7029.1  | 5358.8  | 3685.9  | 3032.9  | 2377.2  | 2269.3  | 2158.7  | 2064.2  | 1967.1  | 1921.2  |
| 40°    | 11219.6 | 6691.8  | 5156.5  | 3618.4  | 2943.9  | 2266.6  | 2174.8  | 2083.1  | 1986.0  | 1886.1  | 1832.2  |
| 42.5°  | 11068.5 | 6465.2  | 4956.8  | 3448.4  | 2862.9  | 2274.7  | 2145.2  | 2012.9  | 1918.5  | 1824.1  | 1764.7  |
| 45°    | 10955.2 | 6316.8  | 4800.3  | 3283.8  | 2787.4  | 2290.9  | 2126.3  | 1961.7  | 1867.2  | 1770.1  | 1699.9  |
| 47.5°  | 10944.4 | 6238.5  | 4689.7  | 3140.8  | 2644.3  | 2145.2  | 2077.7  | 2010.2  | 1872.6  | 1732.3  | 1651.4  |
| 50°    | 11092.8 | 6111.7  | 4560.1  | 3005.9  | 2506.7  | 2007.5  | 2099.3  | 2188.3  | 1953.6  | 1716.1  | 1613.6  |
| 52.5°  | 11403.1 | 5887.7  | 4355.1  | 2822.4  | 2339.4  | 1853.7  | 1996.8  | 2137.1  | 1934.7  | 1729.6  | 1597.4  |
| 55°    | 11778.1 | 5558.5  | 4044.8  | 2528.3  | 2118.2  | 1705.3  | 1832.2  | 1956.3  | 1829.5  | 1699.9  | 1540.7  |
| 57.5°  | 12012.9 | 5143.0  | 3653.5  | 2164.0  | 1869.9  | 1575.8  | 1648.7  | 1718.8  | 1667.6  | 1616.3  | 1454.4  |
| 60°    | 11872.6 | 4589.8  | 3213.7  | 1834.9  | 1651.4  | 1467.9  | 1454.4  | 1438.2  | 1513.8  | 1589.3  | 1403.1  |
| 62.5°  | 11187.2 | 4017.8  | 2825.1  | 1632.5  | 1494.9  | 1354.6  | 1324.9  | 1292.5  | 1416.6  | 1538.0  | 1341.1  |
| 65°    | 10029.6 | 3618.4  | 2579.6  | 1540.7  | 1386.9  | 1233.1  | 1200.7  | 1168.4  | 1206.1  | 1243.9  | 1152.2  |
| 67.5°  | 8559.0  | 3372.9  | 2439.3  | 1505.7  | 1319.5  | 1130.6  | 1092.8  | 1055.0  | 1046.9  | 1038.9  | 1006.5  |
| 70°    | 7042.6  | 3221.8  | 2347.5  | 1473.3  | 1246.6  | 1017.3  | 982.2   | 947.1   | 936.3   | 922.8   | 898.5   |
| 72.5°  | 5887.7  | 3202.9  | 2336.7  | 1470.6  | 1187.3  | 903.9   | 871.6   | 839.2   | 825.7   | 809.5   | 790.6   |
| 75°    | 4821.9  | 3005.9  | 2218.0  | 1430.1  | 1106.3  | 779.8   | 750.1   | 720.4   | 709.7   | 696.2   | 680.0   |
| 77.5°  | 3578.0  | 2487.8  | 1864.5  | 1241.2  | 947.1   | 653.0   | 623.3   | 590.9   | 588.2   | 582.8   | 569.3   |
| 80°    | 2320.5  | 1799.8  | 1333.0  | 866.2   | 690.8   | 512.7   | 488.4   | 461.4   | 464.1   | 466.8   | 456.0   |
| 82.5°  | 1289.8  | 1049.6  | 814.9   | 580.1   | 472.2   | 364.3   | 353.5   | 340.0   | 348.1   | 353.5   | 340.0   |
| 85°    | 680.0   | 528.9   | 437.1   | 345.4   | 272.5   | 199.7   | 199.7   | 197.0   | 207.8   | 218.6   | 207.8   |
| 87.5°  | 294.1   | 186.2   | 159.2   | 129.5   | 72.9    | 13.5    | 16.2    | 16.2    | 21.6    | 27.0    | 24.3    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320424  
 CATALOG NUMBER: GLEON-SA0D-760-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: P320424

CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 18588.7 | 18391.7 | 18192.0 | 17973.5 | 18013.9 | 17846.6 | 17679.3 | 17574.1 | 17468.9 | 17436.5 | 17404.1 |
| 5°     | 15021.5 | 14797.5 | 14570.9 | 14368.5 | 14543.9 | 14425.2 | 14306.5 | 14290.3 | 14271.4 | 14271.4 | 14268.7 |
| 7.5°   | 11114.4 | 10874.2 | 10631.4 | 10464.1 | 10636.7 | 10615.2 | 10593.6 | 10709.6 | 10825.6 | 10920.1 | 11011.8 |
| 10°    | 9031.3  | 8739.8  | 8445.7  | 8197.5  | 8154.3  | 8030.2  | 7903.4  | 7930.3  | 7954.6  | 8057.2  | 8159.7  |
| 12.5°  | 7849.4  | 7501.3  | 7153.2  | 6861.8  | 6729.6  | 6524.5  | 6316.8  | 6187.2  | 6057.7  | 6071.2  | 6082.0  |
| 15°    | 6502.9  | 6165.6  | 5825.7  | 5574.7  | 5491.1  | 5331.9  | 5172.7  | 5010.8  | 4846.2  | 4778.7  | 4708.6  |
| 17.5°  | 4973.0  | 4703.2  | 4430.6  | 4263.3  | 4263.3  | 4217.5  | 4171.6  | 4090.6  | 4007.0  | 3939.5  | 3869.4  |
| 20°    | 3645.4  | 3502.4  | 3356.7  | 3286.5  | 3308.1  | 3310.8  | 3310.8  | 3351.3  | 3391.8  | 3370.2  | 3348.6  |
| 22.5°  | 3016.7  | 2965.4  | 2914.2  | 2884.5  | 2895.3  | 2898.0  | 2900.7  | 2938.5  | 2973.5  | 3000.5  | 3024.8  |
| 25°    | 2722.6  | 2690.2  | 2657.8  | 2647.0  | 2671.3  | 2674.0  | 2674.0  | 2698.3  | 2722.6  | 2749.6  | 2776.6  |
| 27.5°  | 2493.2  | 2479.7  | 2466.3  | 2447.4  | 2471.7  | 2471.7  | 2469.0  | 2495.9  | 2520.2  | 2544.5  | 2566.1  |
| 30°    | 2274.7  | 2280.1  | 2282.8  | 2277.4  | 2293.6  | 2304.4  | 2312.5  | 2331.3  | 2347.5  | 2366.4  | 2385.3  |
| 32.5°  | 2120.9  | 2112.8  | 2104.7  | 2099.3  | 2134.4  | 2153.3  | 2172.1  | 2191.0  | 2207.2  | 2215.3  | 2223.4  |
| 35°    | 1972.5  | 1953.6  | 1934.7  | 1921.2  | 1953.6  | 1977.9  | 2002.1  | 2037.2  | 2069.6  | 2075.0  | 2080.4  |
| 37.5°  | 1872.6  | 1848.3  | 1824.1  | 1807.9  | 1821.4  | 1832.2  | 1842.9  | 1880.7  | 1918.5  | 1940.1  | 1959.0  |
| 40°    | 1778.2  | 1753.9  | 1729.6  | 1716.1  | 1724.2  | 1726.9  | 1729.6  | 1748.5  | 1764.7  | 1805.2  | 1842.9  |
| 42.5°  | 1702.6  | 1673.0  | 1643.3  | 1627.1  | 1632.5  | 1637.9  | 1640.6  | 1637.9  | 1635.2  | 1673.0  | 1710.7  |
| 45°    | 1627.1  | 1594.7  | 1562.3  | 1543.4  | 1546.1  | 1546.1  | 1546.1  | 1540.7  | 1532.6  | 1551.5  | 1570.4  |
| 47.5°  | 1567.7  | 1529.9  | 1492.2  | 1473.3  | 1467.9  | 1462.5  | 1457.1  | 1454.4  | 1449.0  | 1462.5  | 1473.3  |
| 50°    | 1508.4  | 1467.9  | 1424.7  | 1403.1  | 1389.6  | 1384.2  | 1378.8  | 1376.1  | 1370.7  | 1384.2  | 1395.0  |
| 52.5°  | 1462.5  | 1413.9  | 1365.3  | 1330.3  | 1316.8  | 1308.7  | 1300.6  | 1303.3  | 1303.3  | 1308.7  | 1311.4  |
| 55°    | 1381.5  | 1338.4  | 1292.5  | 1268.2  | 1243.9  | 1238.5  | 1233.1  | 1241.2  | 1246.6  | 1246.6  | 1246.6  |
| 57.5°  | 1292.5  | 1252.0  | 1208.8  | 1192.7  | 1171.1  | 1171.1  | 1168.4  | 1179.2  | 1187.3  | 1192.7  | 1198.1  |
| 60°    | 1214.2  | 1168.4  | 1122.5  | 1109.0  | 1100.9  | 1098.2  | 1095.5  | 1109.0  | 1119.8  | 1130.6  | 1141.4  |
| 62.5°  | 1141.4  | 1092.8  | 1044.2  | 1028.1  | 1025.4  | 1028.1  | 1028.1  | 1041.5  | 1052.3  | 1063.1  | 1073.9  |
| 65°    | 1060.4  | 1011.9  | 960.6   | 944.4   | 949.8   | 957.9   | 966.0   | 976.8   | 984.9   | 995.7   | 1006.5  |
| 67.5°  | 971.4   | 930.9   | 887.7   | 871.6   | 874.3   | 885.0   | 895.8   | 903.9   | 909.3   | 920.1   | 930.9   |
| 70°    | 874.3   | 839.2   | 804.1   | 793.3   | 790.6   | 804.1   | 814.9   | 820.3   | 825.7   | 839.2   | 850.0   |
| 72.5°  | 769.0   | 739.3   | 709.7   | 701.6   | 704.3   | 712.4   | 720.4   | 728.5   | 733.9   | 747.4   | 758.2   |
| 75°    | 661.1   | 634.1   | 607.1   | 601.7   | 607.1   | 615.2   | 623.3   | 628.7   | 634.1   | 650.3   | 663.8   |
| 77.5°  | 555.9   | 526.2   | 493.8   | 491.1   | 499.2   | 507.3   | 512.7   | 520.8   | 528.9   | 550.5   | 572.0   |
| 80°    | 445.2   | 412.8   | 377.8   | 375.1   | 383.2   | 391.3   | 399.4   | 407.4   | 415.5   | 442.5   | 466.8   |
| 82.5°  | 326.5   | 288.7   | 250.9   | 245.5   | 272.5   | 280.6   | 288.7   | 302.2   | 313.0   | 337.3   | 361.6   |
| 85°    | 197.0   | 159.2   | 121.4   | 118.7   | 143.0   | 156.5   | 170.0   | 186.2   | 199.7   | 221.3   | 242.8   |
| 87.5°  | 21.6    | 10.8    | 0.0     | 0.0     | 2.7     | 13.5    | 24.3    | 37.8    | 51.3    | 72.9    | 91.7    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320424  
 CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

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



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CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 17285.4 | 17164.0 | 17288.1 | 17409.5 | 17460.8 | 17512.1 | 17379.8 | 17244.9 | 17455.4 | 17663.2 | 17717.1 |
| 5°     | 14160.7 | 14050.1 | 14133.8 | 14214.7 | 14033.9 | 13853.1 | 13834.3 | 13812.7 | 13969.2 | 14125.7 | 14150.0 |
| 7.5°   | 10976.7 | 10941.7 | 11019.9 | 11098.2 | 10868.8 | 10636.7 | 10523.4 | 10410.1 | 10447.9 | 10485.6 | 10480.2 |
| 10°    | 8184.0  | 8205.6  | 8302.7  | 8397.1  | 8219.1  | 8041.0  | 7962.7  | 7884.5  | 7970.8  | 8054.5  | 8132.7  |
| 12.5°  | 6130.6  | 6176.4  | 6279.0  | 6378.8  | 6306.0  | 6230.4  | 6238.5  | 6246.6  | 6346.4  | 6443.6  | 6529.9  |
| 15°    | 4762.5  | 4816.5  | 4889.3  | 4959.5  | 4962.2  | 4962.2  | 5032.4  | 5099.8  | 5091.7  | 5083.6  | 5143.0  |
| 17.5°  | 3942.2  | 4012.4  | 4020.5  | 4028.6  | 4031.3  | 4034.0  | 4028.6  | 4023.2  | 3982.7  | 3942.2  | 3988.1  |
| 20°    | 3375.6  | 3399.9  | 3421.5  | 3440.3  | 3416.1  | 3389.1  | 3321.6  | 3254.2  | 3227.2  | 3200.2  | 3243.4  |
| 22.5°  | 3070.7  | 3113.9  | 3092.3  | 3068.0  | 3019.4  | 2968.1  | 2916.9  | 2862.9  | 2860.2  | 2854.8  | 2879.1  |
| 25°    | 2814.3  | 2849.4  | 2811.6  | 2773.9  | 2738.8  | 2703.7  | 2668.6  | 2633.6  | 2630.9  | 2628.2  | 2639.0  |
| 27.5°  | 2601.2  | 2633.6  | 2598.5  | 2563.4  | 2533.7  | 2504.0  | 2477.1  | 2450.1  | 2444.7  | 2439.3  | 2442.0  |
| 30°    | 2417.7  | 2447.4  | 2417.7  | 2385.3  | 2363.7  | 2339.4  | 2320.5  | 2301.7  | 2299.0  | 2296.3  | 2296.3  |
| 32.5°  | 2253.1  | 2282.8  | 2261.2  | 2239.6  | 2220.7  | 2201.8  | 2188.3  | 2174.8  | 2161.3  | 2147.9  | 2118.2  |
| 35°    | 2110.1  | 2139.8  | 2126.3  | 2110.1  | 2088.5  | 2066.9  | 2042.6  | 2015.6  | 1980.6  | 1942.8  | 1926.6  |
| 37.5°  | 1988.7  | 2018.3  | 2004.8  | 1991.4  | 1961.7  | 1932.0  | 1888.8  | 1842.9  | 1832.2  | 1818.7  | 1816.0  |
| 40°    | 1891.5  | 1937.4  | 1910.4  | 1880.7  | 1834.9  | 1789.0  | 1767.4  | 1745.8  | 1740.4  | 1735.0  | 1729.6  |
| 42.5°  | 1783.6  | 1853.7  | 1805.2  | 1756.6  | 1713.4  | 1670.3  | 1664.9  | 1659.5  | 1656.8  | 1654.1  | 1654.1  |
| 45°    | 1648.7  | 1724.2  | 1675.7  | 1624.4  | 1600.1  | 1575.8  | 1575.8  | 1575.8  | 1578.5  | 1578.5  | 1583.9  |
| 47.5°  | 1521.8  | 1567.7  | 1543.4  | 1519.2  | 1505.7  | 1492.2  | 1494.9  | 1497.6  | 1505.7  | 1511.1  | 1524.5  |
| 50°    | 1413.9  | 1430.1  | 1435.5  | 1438.2  | 1430.1  | 1422.0  | 1427.4  | 1430.1  | 1438.2  | 1443.6  | 1454.4  |
| 52.5°  | 1335.7  | 1359.9  | 1359.9  | 1357.3  | 1357.3  | 1357.3  | 1362.6  | 1368.0  | 1376.1  | 1384.2  | 1395.0  |
| 55°    | 1284.4  | 1319.5  | 1308.7  | 1297.9  | 1300.6  | 1300.6  | 1306.0  | 1311.4  | 1319.5  | 1324.9  | 1341.1  |
| 57.5°  | 1235.8  | 1273.6  | 1262.8  | 1252.0  | 1252.0  | 1252.0  | 1254.7  | 1257.4  | 1265.5  | 1270.9  | 1281.7  |
| 60°    | 1179.2  | 1216.9  | 1206.1  | 1192.7  | 1195.4  | 1198.1  | 1200.7  | 1200.7  | 1206.1  | 1208.8  | 1208.8  |
| 62.5°  | 1111.7  | 1149.5  | 1138.7  | 1125.2  | 1133.3  | 1138.7  | 1138.7  | 1138.7  | 1144.1  | 1146.8  | 1138.7  |
| 65°    | 1041.5  | 1076.6  | 1065.8  | 1055.0  | 1065.8  | 1073.9  | 1079.3  | 1082.0  | 1079.3  | 1076.6  | 1068.5  |
| 67.5°  | 966.0   | 1001.1  | 990.3   | 976.8   | 990.3   | 1001.1  | 1011.9  | 1020.0  | 1011.9  | 1003.8  | 993.0   |
| 70°    | 885.0   | 920.1   | 906.6   | 893.1   | 906.6   | 920.1   | 930.9   | 941.7   | 930.9   | 920.1   | 917.4   |
| 72.5°  | 798.7   | 839.2   | 823.0   | 806.8   | 823.0   | 839.2   | 844.6   | 850.0   | 841.9   | 833.8   | 828.4   |
| 75°    | 704.3   | 744.7   | 731.2   | 715.1   | 728.5   | 742.0   | 744.7   | 747.4   | 747.4   | 744.7   | 728.5   |
| 77.5°  | 604.4   | 636.8   | 628.7   | 620.6   | 628.7   | 636.8   | 636.8   | 636.8   | 639.5   | 639.5   | 617.9   |
| 80°    | 485.7   | 504.6   | 507.3   | 510.0   | 512.7   | 515.4   | 512.7   | 510.0   | 504.6   | 499.2   | 485.7   |
| 82.5°  | 361.6   | 361.6   | 383.2   | 402.0   | 402.0   | 399.4   | 396.7   | 391.3   | 380.5   | 367.0   | 337.3   |
| 85°    | 229.4   | 215.9   | 250.9   | 283.3   | 283.3   | 280.6   | 275.2   | 267.1   | 245.5   | 221.3   | 197.0   |
| 87.5°  | 78.3    | 64.8    | 99.8    | 134.9   | 137.6   | 137.6   | 132.2   | 126.8   | 105.2   | 80.9    | 62.1    |
| 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: P320424  
 CATALOG NUMBER: GLEON-SA0D-760-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  |

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CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 17798.1 | 17833.2 | 17865.5 | 18130.0 | 18391.7 | 18699.3 | 19006.9 | 19241.7 | 19473.7 | 19713.9 | 19954.0 |
| 5°     | 14233.6 | 14276.8 | 14319.9 | 14641.0 | 14959.4 | 15388.5 | 15817.5 | 16187.2 | 16556.8 | 16991.3 | 17425.7 |
| 7.5°   | 10550.4 | 10644.8 | 10736.6 | 11079.3 | 11419.3 | 11880.7 | 12339.4 | 12822.4 | 13302.7 | 13869.3 | 14436.0 |
| 10°    | 8286.5  | 8464.6  | 8640.0  | 8990.8  | 9341.6  | 9797.6  | 10250.9 | 10755.5 | 11260.1 | 11818.6 | 12374.5 |
| 12.5°  | 6708.0  | 6945.5  | 7180.2  | 7601.1  | 8022.1  | 8567.1  | 9109.5  | 9670.8  | 10229.3 | 10720.4 | 11211.5 |
| 15°    | 5299.5  | 5558.5  | 5814.9  | 6260.1  | 6705.3  | 7304.3  | 7900.7  | 8513.2  | 9123.0  | 9711.2  | 10299.5 |
| 17.5°  | 4133.8  | 4347.0  | 4557.5  | 4935.2  | 5310.3  | 5890.4  | 6470.6  | 7112.8  | 7755.0  | 8472.7  | 9187.8  |
| 20°    | 3335.1  | 3424.2  | 3513.2  | 3785.7  | 4055.6  | 4527.8  | 4997.3  | 5653.0  | 6308.7  | 7166.7  | 8024.8  |
| 22.5°  | 2922.3  | 2968.1  | 3011.3  | 3143.5  | 3273.1  | 3578.0  | 3880.2  | 4460.3  | 5037.8  | 5974.1  | 6907.7  |
| 25°    | 2674.0  | 2709.1  | 2744.2  | 2830.5  | 2916.9  | 3062.6  | 3208.3  | 3615.7  | 4023.2  | 4943.3  | 5860.7  |
| 27.5°  | 2450.1  | 2504.0  | 2555.3  | 2595.8  | 2633.6  | 2733.4  | 2830.5  | 3097.7  | 3364.8  | 4222.9  | 5078.2  |
| 30°    | 2288.2  | 2307.1  | 2325.9  | 2388.0  | 2447.4  | 2549.9  | 2652.4  | 2838.6  | 3024.8  | 3750.7  | 4473.8  |
| 32.5°  | 2099.3  | 2126.3  | 2153.3  | 2218.0  | 2282.8  | 2377.2  | 2471.7  | 2622.8  | 2771.2  | 3391.8  | 4009.7  |
| 35°    | 1929.3  | 1956.3  | 1983.3  | 2048.0  | 2110.1  | 2212.6  | 2312.5  | 2439.3  | 2563.4  | 3103.1  | 3642.7  |
| 37.5°  | 1824.1  | 1851.0  | 1878.0  | 1934.7  | 1988.7  | 2091.2  | 2191.0  | 2290.9  | 2388.0  | 2887.2  | 3386.4  |
| 40°    | 1735.0  | 1762.0  | 1789.0  | 1842.9  | 1894.2  | 1994.1  | 2091.2  | 2174.8  | 2258.5  | 2725.3  | 3192.1  |
| 42.5°  | 1656.8  | 1686.4  | 1716.1  | 1770.1  | 1821.4  | 1910.4  | 1999.4  | 2110.1  | 2218.0  | 2585.0  | 2949.3  |
| 45°    | 1592.0  | 1621.7  | 1648.7  | 1708.0  | 1767.4  | 1853.7  | 1940.1  | 2093.9  | 2247.7  | 2512.1  | 2776.6  |
| 47.5°  | 1532.6  | 1565.0  | 1594.7  | 1659.5  | 1724.2  | 1832.2  | 1937.4  | 2066.9  | 2193.7  | 2455.5  | 2717.2  |
| 50°    | 1476.0  | 1513.8  | 1551.5  | 1629.8  | 1705.3  | 1886.1  | 2064.2  | 2083.1  | 2099.3  | 2409.6  | 2717.2  |
| 52.5°  | 1422.0  | 1465.2  | 1508.4  | 1605.5  | 1699.9  | 1910.4  | 2120.9  | 2053.4  | 1983.3  | 2323.2  | 2663.2  |
| 55°    | 1368.0  | 1405.8  | 1440.9  | 1559.6  | 1678.4  | 1832.2  | 1986.0  | 1896.9  | 1805.2  | 2161.3  | 2517.5  |
| 57.5°  | 1295.2  | 1335.7  | 1373.4  | 1500.3  | 1627.1  | 1735.0  | 1840.2  | 1759.3  | 1675.7  | 1977.9  | 2277.4  |
| 60°    | 1219.6  | 1265.5  | 1311.4  | 1473.3  | 1632.5  | 1613.6  | 1592.0  | 1575.8  | 1556.9  | 1772.8  | 1988.7  |
| 62.5°  | 1152.2  | 1200.7  | 1249.3  | 1459.8  | 1670.3  | 1540.7  | 1411.2  | 1424.7  | 1435.5  | 1594.7  | 1753.9  |
| 65°    | 1084.7  | 1133.3  | 1179.2  | 1284.4  | 1389.6  | 1338.4  | 1287.1  | 1308.7  | 1327.6  | 1484.1  | 1640.6  |
| 67.5°  | 1009.2  | 1052.3  | 1092.8  | 1127.9  | 1163.0  | 1168.4  | 1173.8  | 1195.4  | 1216.9  | 1403.1  | 1586.6  |
| 70°    | 925.5   | 960.6   | 995.7   | 1020.0  | 1041.5  | 1052.3  | 1060.4  | 1087.4  | 1114.4  | 1316.8  | 1519.2  |
| 72.5°  | 831.1   | 860.8   | 887.7   | 909.3   | 930.9   | 939.0   | 944.4   | 971.4   | 998.4   | 1214.2  | 1430.1  |
| 75°    | 728.5   | 752.8   | 774.4   | 793.3   | 812.2   | 823.0   | 833.8   | 852.7   | 871.6   | 1106.3  | 1338.4  |
| 77.5°  | 615.2   | 639.5   | 661.1   | 677.3   | 690.8   | 701.6   | 709.7   | 733.9   | 758.2   | 955.2   | 1149.5  |
| 80°    | 480.3   | 510.0   | 537.0   | 550.5   | 561.2   | 563.9   | 563.9   | 585.5   | 607.1   | 747.4   | 885.0   |
| 82.5°  | 340.0   | 372.4   | 402.0   | 412.8   | 423.6   | 423.6   | 423.6   | 447.9   | 472.2   | 566.6   | 658.4   |
| 85°    | 199.7   | 234.8   | 267.1   | 277.9   | 288.7   | 294.1   | 296.8   | 307.6   | 315.7   | 383.2   | 447.9   |
| 87.5°  | 62.1    | 91.7    | 118.7   | 124.1   | 129.5   | 140.3   | 151.1   | 153.8   | 153.8   | 199.7   | 245.5   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

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

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CATALOG NUMBER: GLEON-SA0D-760-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 | 20561.1 |
| 2.5°   | 20229.3 | 20504.5 | 20825.6 | 21144.0 | 21416.5 | 21689.0 | 21915.7 |
| 5°     | 17978.9 | 18532.0 | 19209.3 | 19883.9 | 20485.6 | 21087.3 | 21786.2 |
| 7.5°   | 15151.0 | 15866.1 | 16743.0 | 17620.0 | 18470.0 | 19317.2 | 20391.2 |
| 10°    | 13103.0 | 13828.9 | 14757.1 | 15682.6 | 16637.8 | 17590.3 | 18804.5 |
| 12.5°  | 11802.4 | 12390.7 | 13289.2 | 14187.7 | 15310.2 | 16430.0 | 17598.4 |
| 15°    | 10944.4 | 11586.6 | 12460.8 | 13335.1 | 14562.8 | 15790.5 | 17134.3 |
| 17.5°  | 10029.6 | 10868.8 | 11988.6 | 13108.4 | 14562.8 | 16014.5 | 17598.4 |
| 20°    | 9071.7  | 10116.0 | 11567.7 | 13019.4 | 14978.3 | 16934.6 | 18955.6 |
| 22.5°  | 8116.5  | 9325.4  | 11187.2 | 13046.3 | 15607.0 | 18165.0 | 20893.0 |
| 25°    | 7255.8  | 8650.8  | 10955.2 | 13256.8 | 16521.8 | 19784.0 | 23167.7 |
| 27.5°  | 6602.8  | 8124.6  | 10860.7 | 13594.1 | 17682.0 | 21770.0 | 25642.1 |
| 30°    | 6022.6  | 7571.5  | 10747.4 | 13923.3 | 18799.1 | 23672.3 | 27576.8 |
| 32.5°  | 5520.7  | 7031.8  | 10528.8 | 14023.1 | 19579.0 | 25134.8 | 29214.6 |
| 35°    | 5126.8  | 6610.9  | 10161.8 | 13712.8 | 20067.4 | 26421.9 | 30920.0 |
| 37.5°  | 4786.8  | 6187.2  | 9743.6  | 13300.0 | 20501.8 | 27703.6 | 32838.5 |
| 40°    | 4463.0  | 5733.9  | 9384.7  | 13032.9 | 21100.8 | 29168.8 | 34864.9 |
| 42.5°  | 4155.4  | 5361.5  | 9096.0  | 12830.5 | 21656.7 | 30480.1 | 36637.7 |
| 45°    | 3926.0  | 5075.5  | 8839.7  | 12601.1 | 22015.5 | 31429.9 | 37973.4 |
| 47.5°  | 3812.7  | 4905.5  | 8702.1  | 12495.9 | 22374.4 | 32250.2 | 39082.4 |
| 50°    | 3796.5  | 4875.9  | 8858.6  | 12841.3 | 23151.5 | 33459.1 | 40350.6 |
| 52.5°  | 3793.8  | 4924.4  | 9309.2  | 13693.9 | 24595.1 | 35493.6 | 41724.0 |
| 55°    | 3737.2  | 4954.1  | 9846.1  | 14735.5 | 26532.5 | 38326.8 | 44193.0 |
| 57.5°  | 3564.5  | 4851.6  | 10399.3 | 15944.3 | 28580.5 | 41214.0 | 46974.9 |
| 60°    | 3297.3  | 4603.3  | 10855.3 | 17104.6 | 29956.7 | 42806.0 | 48046.2 |
| 62.5°  | 2962.7  | 4168.9  | 11006.4 | 17841.2 | 29918.9 | 41996.5 | 46966.8 |
| 65°    | 2676.7  | 3712.9  | 10509.9 | 17304.3 | 28405.1 | 39503.3 | 44832.5 |
| 67.5°  | 2423.1  | 3256.9  | 9268.7  | 15277.8 | 25682.5 | 36084.5 | 42118.0 |
| 70°    | 2239.6  | 2957.4  | 7668.6  | 12379.9 | 22274.6 | 32166.6 | 38974.4 |
| 72.5°  | 2123.6  | 2814.3  | 6252.0  | 9686.9  | 18076.0 | 26462.4 | 33337.7 |
| 75°    | 1964.4  | 2590.4  | 4905.5  | 7218.0  | 13834.3 | 20450.5 | 25180.7 |
| 77.5°  | 1667.6  | 2182.9  | 3696.7  | 5210.4  | 10151.1 | 15089.0 | 17512.1 |
| 80°    | 1287.1  | 1686.4  | 2541.8  | 3397.2  | 6985.9  | 10574.7 | 11940.0 |
| 82.5°  | 917.4   | 1176.5  | 1540.7  | 1905.0  | 4641.1  | 7374.5  | 7487.8  |
| 85°    | 566.6   | 685.4   | 882.3   | 1079.3  | 3070.7  | 5062.0  | 4217.5  |
| 87.5°  | 304.9   | 364.3   | 466.8   | 566.6   | 982.2   | 1397.7  | 804.1   |
| 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: P320424  
 CATALOG NUMBER: GLEON-SA0D-760-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: SP1-1908-441-9-R4

Test Date: 10/23/2019

Luminaire Tested: SA1C-760-U-5WQ

Data in this report applies to families of products SA1C-760-U-5WQ .

### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-9-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-760-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):                  | 5474   | CRI (Ra): | 71.7 |      |       |
| CIE u':                   | 0.2052 | R1:       | 70.6 | R9:  | -27.1 |
| CIE v':                   | 0.4804 | R2:       | 74.6 | R10: | 40.8  |
| Duv:                      | 0.0025 | R3:       | 78.3 | R11: | 74.6  |
| CIE x:                    | 0.3330 | R4:       | 73.8 | R12: | 50.4  |
| CIE y:                    | 0.3466 | R5:       | 72.4 | R13: | 70.0  |
| CIE z:                    | 0.3204 | R6:       | 67.5 | R14: | 87.8  |
| Peak Wavelength (nm):     | 442    | R7:       | 77.5 |      |       |
| Dominant Wavelength (nm): | 554    | R8:       | 58.9 |      |       |
| Purity:                   | 4.1    |           |      |      |       |
| Rf:                       | 72.1   |           |      |      |       |
| Rg:                       | 97.2   |           |      |      |       |



### Test Conditions

Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.6/31%  
 Sphere Temperature (°C): 25.9

REPORT NUMBER: SP1-1908-441-9-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: SP1-1908-441-9-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-9-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       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-9-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13759.3

S/P: 1.85

| 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       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-9-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5527.6 M/P: 0.74**

| 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       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

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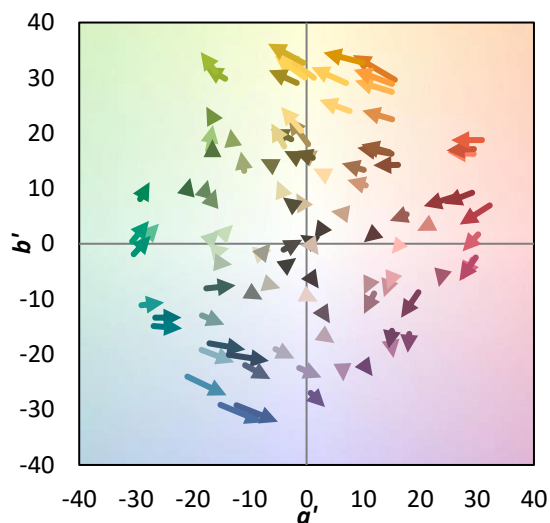
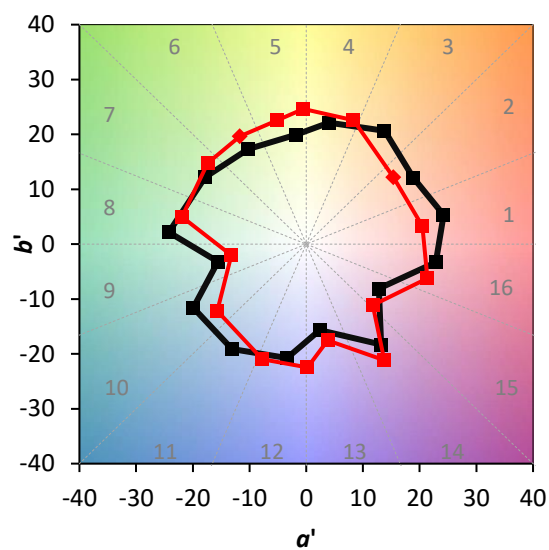
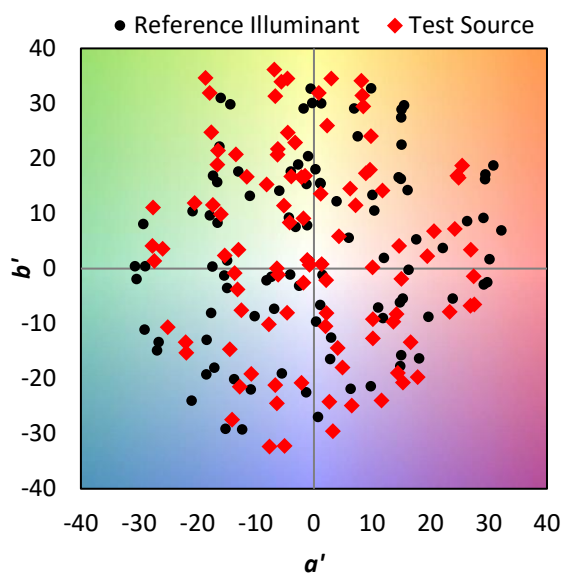
**TM-30-18**

### Summary

$R_f = 72.1$   
 $R_g = 97.2$   
 CIE  $R_a = 71.7$   
 $R_g = -27.1$



### Color Vector Graphics



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

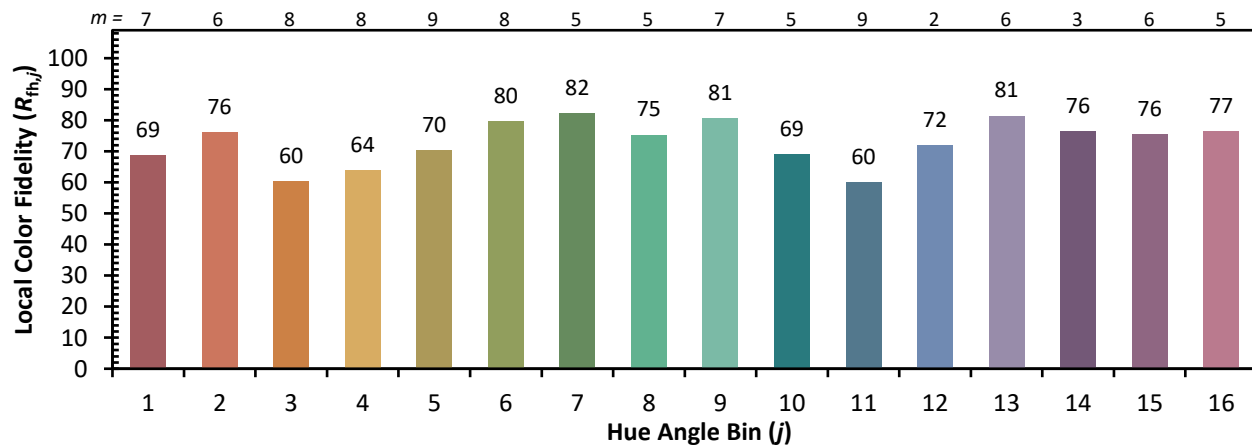
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54 = 81 | CES79 = 74 |
| CES05 = 46 | CES30 = 59 | CES55 = 80 | CES80 = 70 |
| CES06 = 50 | CES31 = 55 | CES56 = 70 | CES81 = 71 |
| CES07 = 38 | CES32 = 52 | CES57 = 68 | CES82 = 88 |
| CES08 = 38 | CES33 = 63 | CES58 = 70 | CES83 = 82 |
| CES09 = 29 | CES34 = 63 | CES59 = 88 | CES84 = 87 |
| CES10 = 72 | CES35 = 79 | CES60 = 92 | CES85 = 84 |
| CES11 = 55 | CES36 = 90 | CES61 = 88 | CES86 = 76 |
| CES12 = 61 | CES37 = 72 | CES62 = 81 | CES87 = 75 |
| CES13 = 41 | CES38 = 68 | CES63 = 75 | CES88 = 77 |
| CES14 = 74 | CES39 = 91 | CES64 = 72 | CES89 = 76 |
| CES15 = 70 | CES40 = 83 | CES65 = 65 | CES90 = 76 |
| CES16 = 46 | CES41 = 84 | CES66 = 66 | CES91 = 92 |
| CES17 = 48 | CES42 = 70 | CES67 = 64 | CES92 = 70 |
| CES18 = 55 | CES43 = 69 | CES68 = 71 | CES93 = 83 |
| CES19 = 70 | CES44 = 98 | CES69 = 80 | CES94 = 60 |
| CES20 = 64 | CES45 = 79 | CES70 = 58 | CES95 = 73 |
| CES21 = 85 | CES46 = 78 | CES71 = 55 | CES96 = 79 |
| CES22 = 77 | CES47 = 76 | CES72 = 84 | CES97 = 84 |
| CES23 = 91 | CES48 = 68 | CES73 = 47 | CES98 = 73 |
| CES24 = 90 | CES49 = 78 | CES74 = 94 | CES99 = 62 |
| CES25 = 71 | CES50 = 87 | CES75 = 51 |            |



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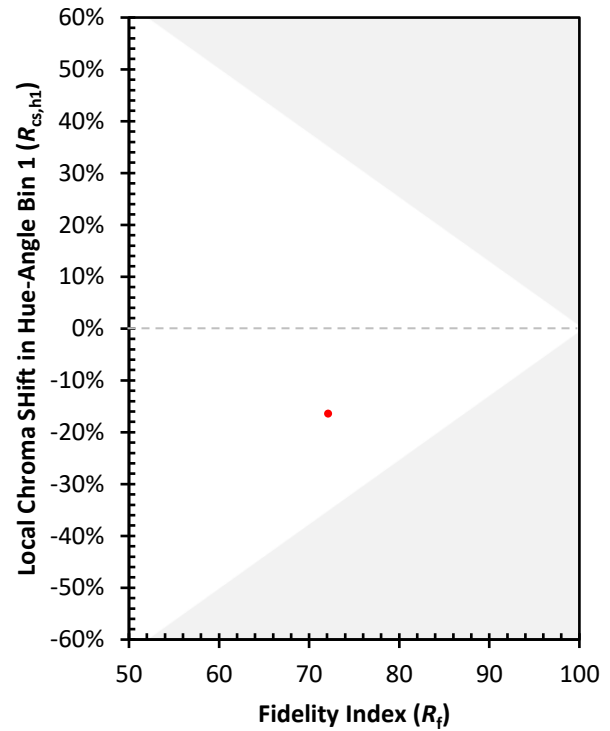
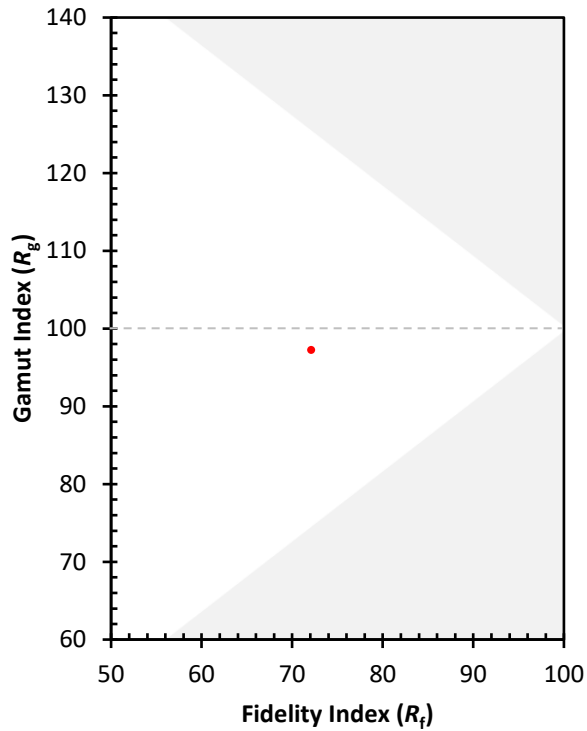
Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)