

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: P320351

Luminaire Tested: **GLEON-SA7A-750-U-SLL**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P320351  
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-SA7A-750-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 28967 lumens  
Efficiency: N/A  
Efficacy: 128.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

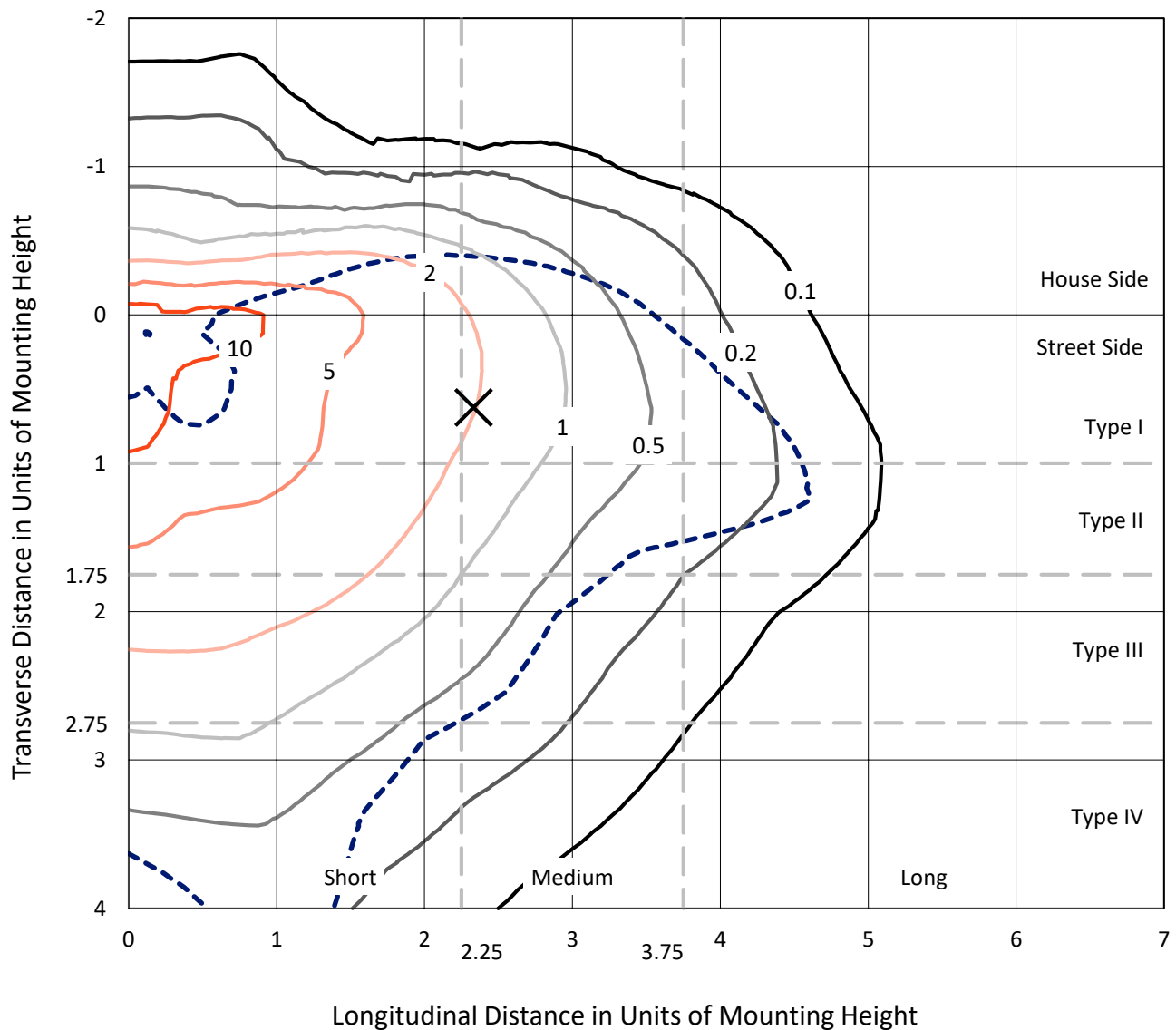
Input Watts (W): 226  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

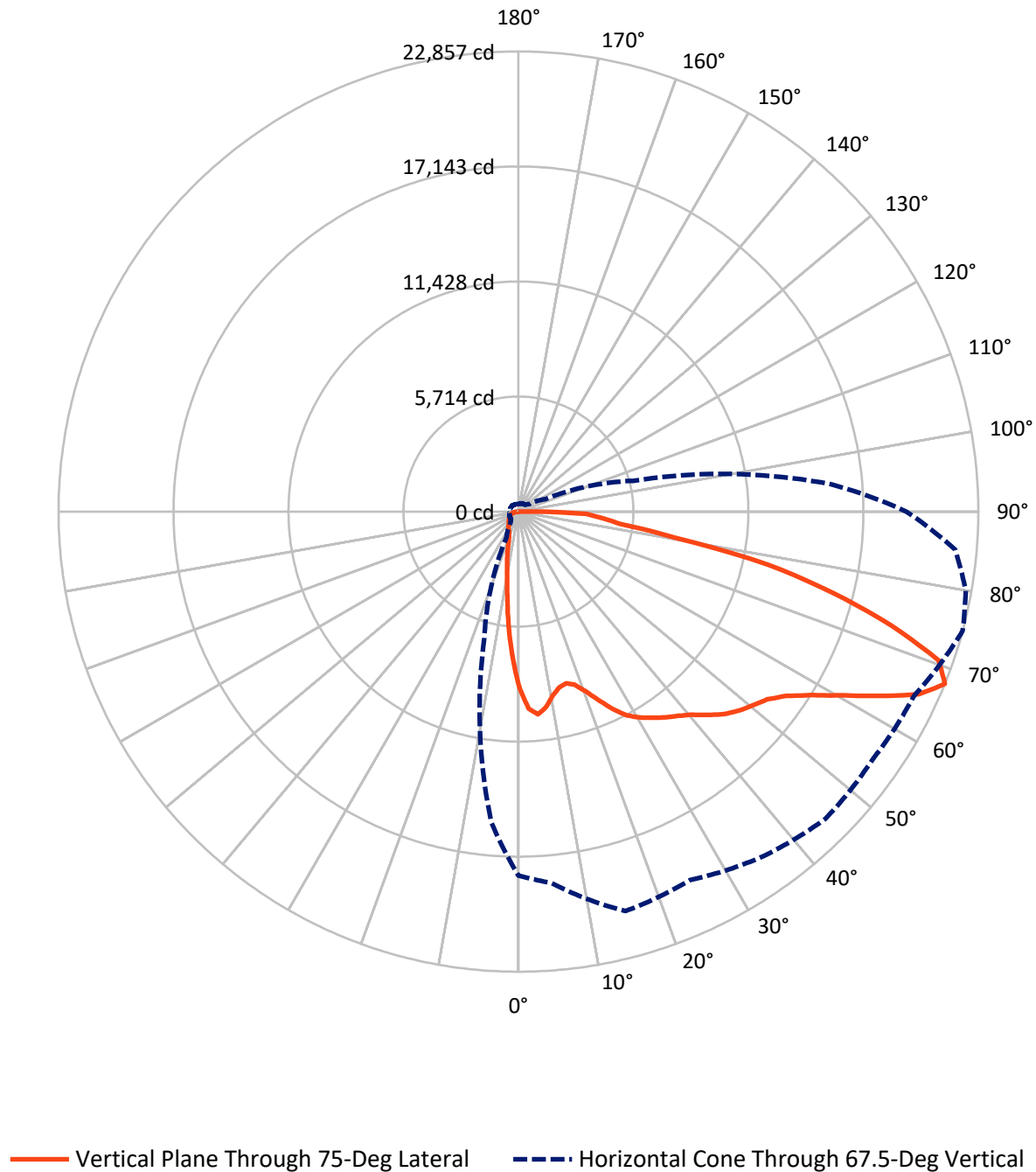
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.8 fc  
 Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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CATALOG NUMBER: GLEON-SA7A-750-U-SLL

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 5101.8   | 0.0    | 5101.8  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 23865.2  | 0.0    | 23865.2 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 28967.0  | 0.0    | 28967.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 681.1   | 2.4       |
| 10°-20°   | 1414.9  | 4.9       |
| 20°-30°   | 2012.3  | 6.9       |
| 30°-40°   | 2899.7  | 10.0      |
| 40°-50°   | 4086.5  | 14.1      |
| 50°-60°   | 5680.9  | 19.6      |
| 60°-70°   | 6869.9  | 23.7      |
| 70°-80°   | 4222.8  | 14.6      |
| 80°-90°   | 1098.9  | 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°    | 28967.0 | 100.0     |
| 0°-180°   | 28967.0 | 100.0     |

**Coefficient of Utilization**



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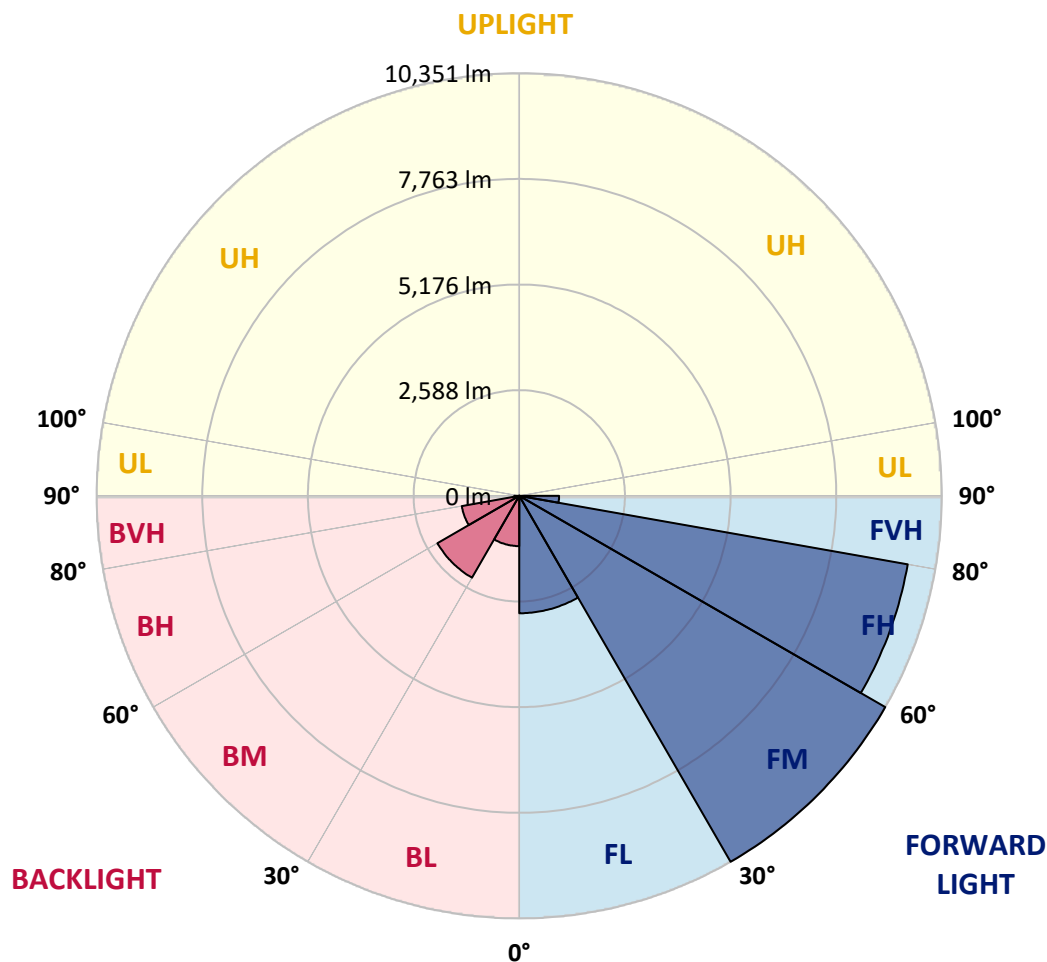
CATALOG NUMBER: GLEON-SA7A-750-U-SLL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2876.1  | 9.9       |                         |      |          |
| FM   | (30°-60°)   | 10351.3 | 35.7      |                         |      |          |
| FH   | (60°-80°)   | 9662.4  | 33.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 975.4   | 3.4       |                         |      | G5       |
| BL   | (0°-30°)    | 1232.1  | 4.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2315.8  | 8.0       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1430.4  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 123.5   | 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



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  |
| 2.5°   | 9406.3  | 9530.2  | 9615.9  | 9700.5  | 9766.5  | 9831.3  | 9926.3  | 10021.3 | 10039.8 | 10057.2 | 10020.1 |
| 5°     | 9350.7  | 9653.0  | 9910.1  | 10166.0 | 10403.5 | 10640.9 | 10783.3 | 10925.8 | 10954.7 | 10983.7 | 10894.5 |
| 7.5°   | 8752.0  | 9197.8  | 9643.7  | 10089.6 | 10498.4 | 10907.2 | 11156.2 | 11404.1 | 11460.8 | 11516.4 | 11370.5 |
| 10°    | 8071.0  | 8589.8  | 9137.6  | 9685.4  | 10224.0 | 10762.5 | 11122.7 | 11482.8 | 11554.6 | 11626.4 | 11444.6 |
| 12.5°  | 7553.3  | 8119.6  | 8704.5  | 9289.3  | 9858.0  | 10425.5 | 10798.4 | 11171.3 | 11260.5 | 11349.7 | 11217.6 |
| 15°    | 7354.1  | 7974.9  | 8525.0  | 9075.1  | 9570.8  | 10065.3 | 10371.0 | 10675.6 | 10712.7 | 10748.6 | 10727.7 |
| 17.5°  | 7553.3  | 8237.8  | 8735.8  | 9232.6  | 9502.4  | 9771.1  | 9893.9  | 10015.5 | 10056.0 | 10095.4 | 10148.7 |
| 20°    | 8135.8  | 8874.7  | 9225.6  | 9575.4  | 9563.8  | 9551.1  | 9492.0  | 9431.8  | 9421.4  | 9410.9  | 9561.5  |
| 22.5°  | 8967.4  | 9825.6  | 9965.7  | 10104.7 | 9779.2  | 9453.8  | 9255.8  | 9056.6  | 9017.2  | 8976.6  | 9136.5  |
| 25°    | 9943.7  | 10857.4 | 10832.0 | 10805.3 | 10185.7 | 9565.0  | 9187.4  | 8809.9  | 8765.9  | 8721.9  | 8858.5  |
| 27.5°  | 11005.7 | 11878.9 | 11712.1 | 11545.4 | 10703.4 | 9861.5  | 9313.7  | 8765.9  | 8721.9  | 8677.9  | 8798.3  |
| 30°    | 11836.1 | 12628.2 | 12360.7 | 12093.2 | 11140.0 | 10186.9 | 9536.0  | 8885.2  | 8813.4  | 8740.4  | 8888.6  |
| 32.5°  | 12539.0 | 13213.1 | 12854.1 | 12495.0 | 11494.4 | 10493.8 | 9789.7  | 9085.5  | 8973.2  | 8860.8  | 9058.9  |
| 35°    | 13271.0 | 13796.8 | 13291.8 | 12785.7 | 11810.6 | 10834.3 | 10089.6 | 9343.8  | 9206.0  | 9068.1  | 9340.3  |
| 37.5°  | 14094.4 | 14531.0 | 13806.0 | 13079.9 | 12166.1 | 11252.4 | 10539.0 | 9824.4  | 9683.1  | 9541.8  | 9889.3  |
| 40°    | 14964.2 | 15327.8 | 14360.8 | 13393.7 | 12555.3 | 11716.8 | 11160.9 | 10603.8 | 10469.5 | 10334.0 | 10755.5 |
| 42.5°  | 15725.1 | 15990.3 | 14877.3 | 13764.3 | 13024.3 | 12283.1 | 11891.7 | 11499.0 | 11497.9 | 11495.6 | 11922.9 |
| 45°    | 16298.3 | 16528.8 | 15308.1 | 14086.3 | 13481.8 | 12876.1 | 12672.2 | 12468.4 | 12631.7 | 12795.0 | 13181.8 |
| 47.5°  | 16774.3 | 16930.7 | 15669.5 | 14407.1 | 14005.2 | 13603.4 | 13633.5 | 13663.6 | 13996.0 | 14328.4 | 14577.4 |
| 50°    | 17318.6 | 17192.4 | 15997.2 | 14800.9 | 14677.0 | 14553.0 | 14824.0 | 15093.9 | 15476.1 | 15857.1 | 16026.2 |
| 52.5°  | 17908.1 | 17573.4 | 16441.9 | 15309.3 | 15448.3 | 15587.2 | 16138.5 | 16689.8 | 17075.4 | 17461.1 | 17524.8 |
| 55°    | 18967.8 | 18454.8 | 17259.6 | 16063.2 | 16330.8 | 16597.1 | 17406.7 | 18215.0 | 18516.1 | 18817.3 | 18840.4 |
| 57.5°  | 20161.8 | 19706.7 | 18405.0 | 17103.2 | 17390.4 | 17677.7 | 18612.3 | 19545.7 | 19871.2 | 20195.4 | 20150.3 |
| 60°    | 20621.6 | 20643.6 | 19492.4 | 18340.1 | 18629.6 | 18919.2 | 19829.5 | 20739.7 | 21113.8 | 21486.7 | 21387.1 |
| 62.5°  | 20158.4 | 20701.5 | 20086.6 | 19470.4 | 19733.3 | 19995.1 | 20886.8 | 21778.6 | 22161.9 | 22545.3 | 22371.6 |
| 65°    | 19242.3 | 19780.8 | 20056.5 | 20332.1 | 20418.9 | 20505.8 | 21338.5 | 22170.0 | 22464.2 | 22757.2 | 22669.2 |
| 67.5°  | 18077.2 | 18512.7 | 19529.5 | 20545.2 | 20370.3 | 20195.4 | 20585.7 | 20976.0 | 21278.3 | 21580.5 | 21530.8 |
| 70°    | 16728.0 | 17246.8 | 18603.0 | 19959.2 | 19099.8 | 18239.4 | 18078.4 | 17917.4 | 18244.0 | 18569.4 | 18367.9 |
| 72.5°  | 14308.7 | 15091.6 | 16538.1 | 17983.4 | 16400.2 | 14817.1 | 14267.0 | 13716.9 | 14130.3 | 14543.8 | 14223.0 |
| 75°    | 10807.6 | 11846.5 | 13444.7 | 15041.8 | 13152.9 | 11263.9 | 10529.7 | 9795.4  | 10151.0 | 10506.5 | 10286.5 |
| 77.5°  | 7516.2  | 8819.1  | 10393.0 | 11966.9 | 10046.8 | 8125.4  | 7579.9  | 7033.3  | 7139.9  | 7245.2  | 7208.2  |
| 80°    | 5124.7  | 5981.7  | 7079.6  | 8176.4  | 6897.8  | 5619.2  | 5662.1  | 5703.8  | 5654.0  | 5603.0  | 5677.1  |
| 82.5°  | 3213.8  | 3817.2  | 4664.9  | 5511.5  | 4832.9  | 4154.2  | 4543.3  | 4932.5  | 4741.4  | 4549.1  | 4620.9  |
| 85°    | 1810.2  | 2178.4  | 3007.7  | 3835.7  | 3575.1  | 3313.4  | 3541.6  | 3768.5  | 3472.1  | 3175.6  | 3306.5  |
| 87.5°  | 345.1   | 574.4   | 1664.2  | 2752.9  | 2499.2  | 2245.6  | 1951.4  | 1657.3  | 1264.7  | 872.1   | 1273.9  |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**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°     | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9  | 8824.9 |
| 2.5°   | 9983.1  | 9963.4  | 9943.7  | 9873.0  | 9801.2  | 9694.7  | 9606.7  | 9453.8  | 9370.4  | 9244.2  | 9117.9 |
| 5°     | 10804.2 | 10679.1 | 10554.0 | 10338.6 | 10122.0 | 9881.1  | 9604.4  | 9297.4  | 9065.8  | 8764.7  | 8463.6 |
| 7.5°   | 11224.6 | 10932.7 | 10639.7 | 10226.3 | 9811.7  | 9438.7  | 9001.0  | 8593.3  | 8245.9  | 7854.4  | 7463.0 |
| 10°    | 11262.8 | 10825.0 | 10386.1 | 9848.7  | 9310.2  | 8857.4  | 8353.6  | 7900.7  | 7483.8  | 7034.5  | 6584.0 |
| 12.5°  | 11084.4 | 10618.9 | 10152.1 | 9560.3  | 8967.4  | 8453.2  | 7911.2  | 7403.9  | 6941.8  | 6447.3  | 5951.6 |
| 15°    | 10706.9 | 10335.1 | 9962.2  | 9407.5  | 8852.7  | 8333.9  | 7808.1  | 7207.0  | 6684.7  | 6178.6  | 5671.4 |
| 17.5°  | 10200.8 | 10024.8 | 9847.6  | 9446.8  | 9045.0  | 8595.6  | 8086.0  | 7380.7  | 6769.3  | 6219.1  | 5669.0 |
| 20°    | 9710.9  | 9775.8  | 9839.5  | 9679.6  | 9519.8  | 9159.6  | 8714.9  | 7922.8  | 7142.2  | 6423.0  | 5702.6 |
| 22.5°  | 9295.1  | 9606.7  | 9917.0  | 10041.0 | 10163.7 | 9947.2  | 9599.7  | 8683.6  | 7650.6  | 6711.3  | 5772.1 |
| 25°    | 8994.0  | 9510.5  | 10027.1 | 10439.4 | 10850.5 | 10754.4 | 10486.8 | 9607.8  | 8324.6  | 7127.1  | 5928.5 |
| 27.5°  | 8918.7  | 9552.2  | 10185.7 | 10825.0 | 11463.1 | 11552.3 | 11478.2 | 10581.8 | 9128.4  | 7643.6  | 6157.8 |
| 30°    | 9036.9  | 9678.5  | 10318.9 | 11097.2 | 11874.3 | 12229.8 | 12329.4 | 11393.7 | 10046.8 | 8245.9  | 6443.8 |
| 32.5°  | 9256.9  | 9885.8  | 10514.6 | 11362.4 | 12209.0 | 12746.4 | 13063.7 | 12136.0 | 10687.2 | 8699.9  | 6711.3 |
| 35°    | 9612.5  | 10200.8 | 10789.1 | 11671.6 | 12554.1 | 13249.0 | 13828.0 | 12902.7 | 11255.8 | 9017.2  | 6777.4 |
| 37.5°  | 10235.5 | 10741.6 | 11247.7 | 12063.1 | 12877.2 | 13778.2 | 14648.0 | 13747.0 | 11870.8 | 9322.9  | 6773.9 |
| 40°    | 11177.1 | 11535.0 | 11891.7 | 12580.7 | 13268.7 | 14402.5 | 15576.8 | 14688.5 | 12550.6 | 9654.2  | 6757.7 |
| 42.5°  | 12350.3 | 12534.4 | 12717.4 | 13262.9 | 13808.4 | 15054.5 | 16419.9 | 15609.2 | 13199.2 | 9962.2  | 6725.2 |
| 45°    | 13567.5 | 13616.1 | 13664.7 | 14008.7 | 14351.5 | 15571.0 | 16994.4 | 16300.6 | 13765.5 | 10229.7 | 6692.8 |
| 47.5°  | 14825.2 | 14658.4 | 14491.7 | 14628.3 | 14765.0 | 15967.1 | 17404.3 | 16825.3 | 14334.1 | 10526.2 | 6717.1 |
| 50°    | 16195.3 | 15730.8 | 15266.4 | 15194.6 | 15122.8 | 16363.2 | 17887.3 | 17492.4 | 15017.4 | 10958.2 | 6899.0 |
| 52.5°  | 17587.3 | 16821.8 | 16056.3 | 15772.5 | 15487.6 | 16835.7 | 18527.7 | 18322.7 | 15992.6 | 11627.6 | 7261.5 |
| 55°    | 18863.6 | 17889.6 | 16915.6 | 16533.4 | 16151.2 | 17558.4 | 19309.5 | 19542.2 | 17242.2 | 12483.5 | 7723.6 |
| 57.5°  | 20103.9 | 19000.2 | 17896.5 | 17542.2 | 17187.8 | 18620.4 | 20299.7 | 20636.7 | 18504.6 | 13304.6 | 8103.4 |
| 60°    | 21287.5 | 20195.4 | 19102.2 | 18818.4 | 18533.5 | 19940.6 | 21369.8 | 21124.2 | 19155.4 | 13689.1 | 8221.5 |
| 62.5°  | 22197.8 | 21329.2 | 20460.6 | 20311.2 | 20160.7 | 21276.0 | 22192.0 | 20934.3 | 18742.0 | 13310.4 | 7878.7 |
| 65°    | 22581.2 | 22086.7 | 21591.0 | 21731.1 | 21870.1 | 22285.8 | 22397.0 | 20378.4 | 17442.6 | 12249.5 | 7056.5 |
| 67.5°  | 21479.8 | 21580.5 | 21681.3 | 22269.6 | 22856.8 | 22570.7 | 21787.9 | 19282.8 | 15593.0 | 10746.3 | 5899.5 |
| 70°    | 18165.2 | 18769.8 | 19373.2 | 20765.2 | 22156.1 | 21521.5 | 20156.1 | 17316.3 | 13367.1 | 9014.9  | 4661.5 |
| 72.5°  | 13901.0 | 14580.8 | 15259.5 | 17325.6 | 19390.5 | 18805.7 | 17133.3 | 14223.0 | 10717.3 | 7198.9  | 3679.4 |
| 75°    | 10065.3 | 10833.1 | 11599.8 | 13879.0 | 16158.2 | 15346.3 | 12815.8 | 10183.4 | 8140.5  | 5495.3  | 2849.0 |
| 77.5°  | 7170.0  | 7684.2  | 8198.4  | 10449.8 | 12700.0 | 11377.4 | 8530.8  | 6852.6  | 5634.3  | 3819.5  | 2003.6 |
| 80°    | 5751.3  | 5593.8  | 5436.3  | 6690.5  | 7944.8  | 7724.7  | 5642.4  | 4400.9  | 3899.4  | 2559.5  | 1219.5 |
| 82.5°  | 4691.6  | 4307.1  | 3922.6  | 4513.2  | 5103.9  | 5071.4  | 3915.6  | 3228.9  | 2902.3  | 1778.9  | 655.5  |
| 85°    | 3436.2  | 3282.1  | 3128.1  | 3650.4  | 4172.7  | 3726.9  | 2652.1  | 2052.2  | 2263.0  | 1309.8  | 356.7  |
| 87.5°  | 1675.8  | 1914.4  | 2151.8  | 2767.9  | 3382.9  | 2539.8  | 804.9   | 398.4   | 551.3   | 362.5   | 172.6  |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0    |



REPORT NUMBER: P320351  
 CATALOG NUMBER: GLEON-SA7A-750-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: P320351

CATALOG NUMBER: GLEON-SA7A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 |
| 2.5°   | 9024.1 | 8929.2 | 8821.5 | 8713.8 | 8591.0 | 8467.1 | 8394.1 | 8320.0 | 8240.1 | 8160.2 | 8069.8 |
| 5°     | 8264.4 | 8065.2 | 7839.4 | 7613.5 | 7390.0 | 7166.5 | 7046.0 | 6925.6 | 6798.2 | 6669.7 | 6558.5 |
| 7.5°   | 7173.4 | 6882.8 | 6570.1 | 6256.2 | 5978.3 | 5699.1 | 5526.6 | 5352.9 | 5195.4 | 5036.7 | 4903.5 |
| 10°    | 6213.4 | 5842.8 | 5528.9 | 5213.9 | 5004.3 | 4794.6 | 4636.0 | 4477.3 | 4324.4 | 4170.4 | 4023.3 |
| 12.5°  | 5581.0 | 5210.4 | 5011.2 | 4812.0 | 4638.3 | 4464.6 | 4281.6 | 4097.5 | 3887.8 | 3677.1 | 3523.0 |
| 15°    | 5334.3 | 4997.3 | 4776.1 | 4553.8 | 4321.0 | 4087.0 | 3862.4 | 3637.7 | 3389.8 | 3142.0 | 2967.1 |
| 17.5°  | 5227.8 | 4786.5 | 4477.3 | 4166.9 | 3860.0 | 3553.1 | 3292.6 | 3032.0 | 2761.0 | 2490.0 | 2312.8 |
| 20°    | 5115.4 | 4528.3 | 4113.7 | 3697.9 | 3304.1 | 2910.4 | 2615.1 | 2319.7 | 2077.7 | 1835.6 | 1700.1 |
| 22.5°  | 5013.5 | 4253.8 | 3733.8 | 3212.6 | 2747.1 | 2281.5 | 1992.0 | 1701.3 | 1553.0 | 1404.8 | 1350.4 |
| 25°    | 4971.8 | 4014.1 | 3374.8 | 2735.5 | 2244.5 | 1752.2 | 1546.1 | 1340.0 | 1283.2 | 1225.3 | 1197.5 |
| 27.5°  | 4978.8 | 3799.8 | 3072.5 | 2344.1 | 1901.6 | 1459.2 | 1317.9 | 1176.7 | 1141.9 | 1106.0 | 1088.6 |
| 30°    | 5005.4 | 3567.0 | 2787.6 | 2008.2 | 1643.4 | 1278.6 | 1187.1 | 1094.4 | 1057.4 | 1020.3 | 998.3  |
| 32.5°  | 5035.5 | 3358.6 | 2567.6 | 1775.4 | 1477.8 | 1179.0 | 1103.7 | 1027.3 | 991.4  | 955.5  | 933.5  |
| 35°    | 4983.4 | 3188.3 | 2417.0 | 1645.7 | 1371.2 | 1095.6 | 1031.9 | 967.0  | 927.7  | 888.3  | 867.4  |
| 37.5°  | 4895.4 | 3016.9 | 2300.0 | 1582.0 | 1301.7 | 1020.3 | 974.0  | 926.5  | 886.0  | 844.3  | 824.6  |
| 40°    | 4815.5 | 2872.2 | 2213.2 | 1553.0 | 1263.5 | 972.8  | 933.5  | 894.1  | 852.4  | 809.5  | 786.4  |
| 42.5°  | 4750.6 | 2774.9 | 2127.5 | 1480.1 | 1228.8 | 976.3  | 920.7  | 864.0  | 823.4  | 782.9  | 757.4  |
| 45°    | 4702.0 | 2711.2 | 2060.3 | 1409.4 | 1196.3 | 983.3  | 912.6  | 842.0  | 801.4  | 759.7  | 729.6  |
| 47.5°  | 4697.4 | 2677.6 | 2012.8 | 1348.1 | 1135.0 | 920.7  | 891.8  | 862.8  | 803.7  | 743.5  | 708.8  |
| 50°    | 4761.1 | 2623.2 | 1957.2 | 1290.2 | 1075.9 | 861.6  | 901.0  | 939.2  | 838.5  | 736.6  | 692.6  |
| 52.5°  | 4894.2 | 2527.0 | 1869.2 | 1211.4 | 1004.1 | 795.6  | 857.0  | 917.2  | 830.4  | 742.4  | 685.6  |
| 55°    | 5055.2 | 2385.7 | 1736.0 | 1085.2 | 909.1  | 731.9  | 786.4  | 839.6  | 785.2  | 729.6  | 661.3  |
| 57.5°  | 5156.0 | 2207.4 | 1568.1 | 928.8  | 802.6  | 676.3  | 707.6  | 737.7  | 715.7  | 693.7  | 624.2  |
| 60°    | 5095.8 | 1970.0 | 1379.3 | 787.5  | 708.8  | 630.0  | 624.2  | 617.3  | 649.7  | 682.1  | 602.2  |
| 62.5°  | 4801.6 | 1724.5 | 1212.6 | 700.7  | 641.6  | 581.4  | 568.6  | 554.7  | 608.0  | 660.1  | 575.6  |
| 65°    | 4304.8 | 1553.0 | 1107.2 | 661.3  | 595.3  | 529.3  | 515.4  | 501.5  | 517.7  | 533.9  | 494.5  |
| 67.5°  | 3673.6 | 1447.7 | 1046.9 | 646.2  | 566.3  | 485.3  | 469.0  | 452.8  | 449.4  | 445.9  | 432.0  |
| 70°    | 3022.7 | 1382.8 | 1007.6 | 632.3  | 535.1  | 436.6  | 421.6  | 406.5  | 401.9  | 396.1  | 385.7  |
| 72.5°  | 2527.0 | 1374.7 | 1002.9 | 631.2  | 509.6  | 388.0  | 374.1  | 360.2  | 354.4  | 347.4  | 339.3  |
| 75°    | 2069.6 | 1290.2 | 952.0  | 613.8  | 474.8  | 334.7  | 322.0  | 309.2  | 304.6  | 298.8  | 291.8  |
| 77.5°  | 1535.7 | 1067.8 | 800.3  | 532.7  | 406.5  | 280.3  | 267.5  | 253.6  | 252.5  | 250.2  | 244.4  |
| 80°    | 996.0  | 772.5  | 572.1  | 371.8  | 296.5  | 220.0  | 209.6  | 198.0  | 199.2  | 200.4  | 195.7  |
| 82.5°  | 553.6  | 450.5  | 349.8  | 249.0  | 202.7  | 156.3  | 151.7  | 145.9  | 149.4  | 151.7  | 145.9  |
| 85°    | 291.8  | 227.0  | 187.6  | 148.2  | 117.0  | 85.7   | 85.7   | 84.5   | 89.2   | 93.8   | 89.2   |
| 87.5°  | 126.2  | 79.9   | 68.3   | 55.6   | 31.3   | 5.8    | 6.9    | 6.9    | 9.3    | 11.6   | 10.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320351  
 CATALOG NUMBER: GLEON-SA7A-750-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: P320351

CATALOG NUMBER: GLEON-SA7A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 |
| 2.5°   | 7978.3 | 7893.8 | 7808.1 | 7714.3 | 7731.7 | 7659.9 | 7588.1 | 7542.9 | 7497.7 | 7483.8 | 7469.9 |
| 5°     | 6447.3 | 6351.2 | 6253.9 | 6167.0 | 6242.3 | 6191.4 | 6140.4 | 6133.4 | 6125.3 | 6125.3 | 6124.2 |
| 7.5°   | 4770.3 | 4667.3 | 4563.0 | 4491.2 | 4565.3 | 4556.1 | 4546.8 | 4596.6 | 4646.4 | 4686.9 | 4726.3 |
| 10°    | 3876.3 | 3751.2 | 3624.9 | 3518.4 | 3499.9 | 3446.6 | 3392.2 | 3403.7 | 3414.2 | 3458.2 | 3502.2 |
| 12.5°  | 3369.0 | 3219.6 | 3070.2 | 2945.1 | 2888.4 | 2800.4 | 2711.2 | 2655.6 | 2600.0 | 2605.8 | 2610.4 |
| 15°    | 2791.1 | 2646.3 | 2500.4 | 2392.7 | 2356.8 | 2288.5 | 2220.1 | 2150.6 | 2080.0 | 2051.0 | 2020.9 |
| 17.5°  | 2134.4 | 2018.6 | 1901.6 | 1829.8 | 1829.8 | 1810.2 | 1790.5 | 1755.7 | 1719.8 | 1690.9 | 1660.8 |
| 20°    | 1564.6 | 1503.2 | 1440.7 | 1410.6 | 1419.9 | 1421.0 | 1421.0 | 1438.4 | 1455.8 | 1446.5 | 1437.2 |
| 22.5°  | 1294.8 | 1272.8 | 1250.8 | 1238.0 | 1242.7 | 1243.8 | 1245.0 | 1261.2 | 1276.3 | 1287.8 | 1298.3 |
| 25°    | 1168.6 | 1154.7 | 1140.8 | 1136.1 | 1146.5 | 1147.7 | 1147.7 | 1158.1 | 1168.6 | 1180.1 | 1191.7 |
| 27.5°  | 1070.1 | 1064.3 | 1058.5 | 1050.4 | 1060.8 | 1060.8 | 1059.7 | 1071.3 | 1081.7 | 1092.1 | 1101.4 |
| 30°    | 976.3  | 978.6  | 979.8  | 977.5  | 984.4  | 989.0  | 992.5  | 1000.6 | 1007.6 | 1015.7 | 1023.8 |
| 32.5°  | 910.3  | 906.8  | 903.3  | 901.0  | 916.1  | 924.2  | 932.3  | 940.4  | 947.3  | 950.8  | 954.3  |
| 35°    | 846.6  | 838.5  | 830.4  | 824.6  | 838.5  | 848.9  | 859.3  | 874.4  | 888.3  | 890.6  | 892.9  |
| 37.5°  | 803.7  | 793.3  | 782.9  | 775.9  | 781.7  | 786.4  | 791.0  | 807.2  | 823.4  | 832.7  | 840.8  |
| 40°    | 763.2  | 752.8  | 742.4  | 736.6  | 740.0  | 741.2  | 742.4  | 750.5  | 757.4  | 774.8  | 791.0  |
| 42.5°  | 730.8  | 718.0  | 705.3  | 698.4  | 700.7  | 703.0  | 704.1  | 703.0  | 701.8  | 718.0  | 734.3  |
| 45°    | 698.4  | 684.5  | 670.6  | 662.4  | 663.6  | 663.6  | 663.6  | 661.3  | 657.8  | 665.9  | 674.0  |
| 47.5°  | 672.9  | 656.7  | 640.4  | 632.3  | 630.0  | 627.7  | 625.4  | 624.2  | 621.9  | 627.7  | 632.3  |
| 50°    | 647.4  | 630.0  | 611.5  | 602.2  | 596.4  | 594.1  | 591.8  | 590.6  | 588.3  | 594.1  | 598.8  |
| 52.5°  | 627.7  | 606.9  | 586.0  | 571.0  | 565.2  | 561.7  | 558.2  | 559.4  | 559.4  | 561.7  | 562.9  |
| 55°    | 593.0  | 574.4  | 554.7  | 544.3  | 533.9  | 531.6  | 529.3  | 532.7  | 535.1  | 535.1  | 535.1  |
| 57.5°  | 554.7  | 537.4  | 518.8  | 511.9  | 502.6  | 502.6  | 501.5  | 506.1  | 509.6  | 511.9  | 514.2  |
| 60°    | 521.2  | 501.5  | 481.8  | 476.0  | 472.5  | 471.4  | 470.2  | 476.0  | 480.6  | 485.3  | 489.9  |
| 62.5°  | 489.9  | 469.0  | 448.2  | 441.2  | 440.1  | 441.2  | 441.2  | 447.0  | 451.7  | 456.3  | 460.9  |
| 65°    | 455.1  | 434.3  | 412.3  | 405.3  | 407.7  | 411.1  | 414.6  | 419.2  | 422.7  | 427.3  | 432.0  |
| 67.5°  | 416.9  | 399.6  | 381.0  | 374.1  | 375.2  | 379.9  | 384.5  | 388.0  | 390.3  | 394.9  | 399.6  |
| 70°    | 375.2  | 360.2  | 345.1  | 340.5  | 339.3  | 345.1  | 349.8  | 352.1  | 354.4  | 360.2  | 364.8  |
| 72.5°  | 330.1  | 317.3  | 304.6  | 301.1  | 302.3  | 305.7  | 309.2  | 312.7  | 315.0  | 320.8  | 325.4  |
| 75°    | 283.7  | 272.2  | 260.6  | 258.3  | 260.6  | 264.1  | 267.5  | 269.8  | 272.2  | 279.1  | 284.9  |
| 77.5°  | 238.6  | 225.8  | 211.9  | 210.8  | 214.3  | 217.7  | 220.0  | 223.5  | 227.0  | 236.3  | 245.5  |
| 80°    | 191.1  | 177.2  | 162.1  | 161.0  | 164.5  | 167.9  | 171.4  | 174.9  | 178.4  | 189.9  | 200.4  |
| 82.5°  | 140.1  | 123.9  | 107.7  | 105.4  | 117.0  | 120.4  | 123.9  | 129.7  | 134.3  | 144.8  | 155.2  |
| 85°    | 84.5   | 68.3   | 52.1   | 51.0   | 61.4   | 67.2   | 73.0   | 79.9   | 85.7   | 95.0   | 104.2  |
| 87.5°  | 9.3    | 4.6    | 0.0    | 0.0    | 1.2    | 5.8    | 10.4   | 16.2   | 22.0   | 31.3   | 39.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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 CATALOG NUMBER: GLEON-SA7A-750-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-SA7A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 |
| 2.5°   | 7419.0 | 7366.8 | 7420.1 | 7472.2 | 7494.2 | 7516.2 | 7459.5 | 7401.6 | 7491.9 | 7581.1 | 7604.3 |
| 5°     | 6077.9 | 6030.4 | 6066.3 | 6101.0 | 6023.4 | 5945.8 | 5937.7 | 5928.5 | 5995.6 | 6062.8 | 6073.2 |
| 7.5°   | 4711.3 | 4696.2 | 4729.8 | 4763.4 | 4664.9 | 4565.3 | 4516.7 | 4468.1 | 4484.3 | 4500.5 | 4498.2 |
| 10°    | 3512.6 | 3521.9 | 3563.6 | 3604.1 | 3527.7 | 3451.2 | 3417.6 | 3384.0 | 3421.1 | 3457.0 | 3490.6 |
| 12.5°  | 2631.3 | 2651.0 | 2695.0 | 2737.8 | 2706.5 | 2674.1 | 2677.6 | 2681.1 | 2723.9 | 2765.6 | 2802.7 |
| 15°    | 2044.1 | 2067.3 | 2098.5 | 2128.6 | 2129.8 | 2129.8 | 2159.9 | 2188.9 | 2185.4 | 2181.9 | 2207.4 |
| 17.5°  | 1692.0 | 1722.1 | 1725.6 | 1729.1 | 1730.2 | 1731.4 | 1729.1 | 1726.8 | 1709.4 | 1692.0 | 1711.7 |
| 20°    | 1448.8 | 1459.2 | 1468.5 | 1476.6 | 1466.2 | 1454.6 | 1425.7 | 1396.7 | 1385.1 | 1373.5 | 1392.1 |
| 22.5°  | 1317.9 | 1336.5 | 1327.2 | 1316.8 | 1295.9 | 1273.9 | 1251.9 | 1228.8 | 1227.6 | 1225.3 | 1235.7 |
| 25°    | 1207.9 | 1223.0 | 1206.8 | 1190.6 | 1175.5 | 1160.4 | 1145.4 | 1130.3 | 1129.2 | 1128.0 | 1132.6 |
| 27.5°  | 1116.4 | 1130.3 | 1115.3 | 1100.2 | 1087.5 | 1074.7 | 1063.2 | 1051.6 | 1049.3 | 1046.9 | 1048.1 |
| 30°    | 1037.7 | 1050.4 | 1037.7 | 1023.8 | 1014.5 | 1004.1 | 996.0  | 987.9  | 986.7  | 985.6  | 985.6  |
| 32.5°  | 967.0  | 979.8  | 970.5  | 961.2  | 953.1  | 945.0  | 939.2  | 933.5  | 927.7  | 921.9  | 909.1  |
| 35°    | 905.7  | 918.4  | 912.6  | 905.7  | 896.4  | 887.1  | 876.7  | 865.1  | 850.1  | 833.9  | 826.9  |
| 37.5°  | 853.5  | 866.3  | 860.5  | 854.7  | 842.0  | 829.2  | 810.7  | 791.0  | 786.4  | 780.6  | 779.4  |
| 40°    | 811.8  | 831.5  | 820.0  | 807.2  | 787.5  | 767.8  | 758.6  | 749.3  | 747.0  | 744.7  | 742.4  |
| 42.5°  | 765.5  | 795.6  | 774.8  | 753.9  | 735.4  | 716.9  | 714.6  | 712.2  | 711.1  | 709.9  | 709.9  |
| 45°    | 707.6  | 740.0  | 719.2  | 697.2  | 686.8  | 676.3  | 676.3  | 676.3  | 677.5  | 677.5  | 679.8  |
| 47.5°  | 653.2  | 672.9  | 662.4  | 652.0  | 646.2  | 640.4  | 641.6  | 642.8  | 646.2  | 648.6  | 654.3  |
| 50°    | 606.9  | 613.8  | 616.1  | 617.3  | 613.8  | 610.3  | 612.6  | 613.8  | 617.3  | 619.6  | 624.2  |
| 52.5°  | 573.3  | 583.7  | 583.7  | 582.5  | 582.5  | 582.5  | 584.9  | 587.2  | 590.6  | 594.1  | 598.8  |
| 55°    | 551.3  | 566.3  | 561.7  | 557.1  | 558.2  | 558.2  | 560.5  | 562.9  | 566.3  | 568.6  | 575.6  |
| 57.5°  | 530.4  | 546.6  | 542.0  | 537.4  | 537.4  | 537.4  | 538.5  | 539.7  | 543.2  | 545.5  | 550.1  |
| 60°    | 506.1  | 522.3  | 517.7  | 511.9  | 513.1  | 514.2  | 515.4  | 515.4  | 517.7  | 518.8  | 518.8  |
| 62.5°  | 477.1  | 493.4  | 488.7  | 482.9  | 486.4  | 488.7  | 488.7  | 488.7  | 491.0  | 492.2  | 488.7  |
| 65°    | 447.0  | 462.1  | 457.5  | 452.8  | 457.5  | 460.9  | 463.3  | 464.4  | 463.3  | 462.1  | 458.6  |
| 67.5°  | 414.6  | 429.7  | 425.0  | 419.2  | 425.0  | 429.7  | 434.3  | 437.8  | 434.3  | 430.8  | 426.2  |
| 70°    | 379.9  | 394.9  | 389.1  | 383.3  | 389.1  | 394.9  | 399.6  | 404.2  | 399.6  | 394.9  | 393.8  |
| 72.5°  | 342.8  | 360.2  | 353.2  | 346.3  | 353.2  | 360.2  | 362.5  | 364.8  | 361.3  | 357.9  | 355.5  |
| 75°    | 302.3  | 319.6  | 313.9  | 306.9  | 312.7  | 318.5  | 319.6  | 320.8  | 320.8  | 319.6  | 312.7  |
| 77.5°  | 259.4  | 273.3  | 269.8  | 266.4  | 269.8  | 273.3  | 273.3  | 273.3  | 274.5  | 274.5  | 265.2  |
| 80°    | 208.5  | 216.6  | 217.7  | 218.9  | 220.0  | 221.2  | 220.0  | 218.9  | 216.6  | 214.3  | 208.5  |
| 82.5°  | 155.2  | 155.2  | 164.5  | 172.6  | 172.6  | 171.4  | 170.2  | 167.9  | 163.3  | 157.5  | 144.8  |
| 85°    | 98.4   | 92.7   | 107.7  | 121.6  | 121.6  | 120.4  | 118.1  | 114.7  | 105.4  | 95.0   | 84.5   |
| 87.5°  | 33.6   | 27.8   | 42.9   | 57.9   | 59.1   | 59.1   | 56.7   | 54.4   | 45.2   | 34.7   | 26.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320351  
 CATALOG NUMBER: GLEON-SA7A-750-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: P320351

CATALOG NUMBER: GLEON-SA7A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9 |
| 2.5°   | 7639.0 | 7654.1 | 7668.0 | 7781.5 | 7893.8 | 8025.8 | 8157.9 | 8258.6 | 8358.2 | 8461.3 | 8564.4 |
| 5°     | 6109.1 | 6127.7 | 6146.2 | 6284.0 | 6420.7 | 6604.8 | 6788.9 | 6947.6 | 7106.3 | 7292.7 | 7479.2 |
| 7.5°   | 4528.3 | 4568.8 | 4608.2 | 4755.3 | 4901.2 | 5099.2 | 5296.1 | 5503.4 | 5709.6 | 5952.8 | 6196.0 |
| 10°    | 3556.6 | 3633.0 | 3708.3 | 3858.9 | 4009.4 | 4205.2 | 4399.7 | 4616.3 | 4832.9 | 5072.6 | 5311.2 |
| 12.5°  | 2879.1 | 2981.0 | 3081.8 | 3262.4 | 3443.1 | 3677.1 | 3909.8 | 4150.7 | 4390.5 | 4601.2 | 4812.0 |
| 15°    | 2274.6 | 2385.7 | 2495.8 | 2686.9 | 2877.9 | 3135.1 | 3391.0 | 3653.9 | 3915.6 | 4168.1 | 4420.6 |
| 17.5°  | 1774.3 | 1865.7 | 1956.1 | 2118.2 | 2279.2 | 2528.2 | 2777.2 | 3052.8 | 3328.5 | 3636.5 | 3943.4 |
| 20°    | 1431.4 | 1469.7 | 1507.9 | 1624.9 | 1740.7 | 1943.3 | 2144.9 | 2426.3 | 2707.7 | 3076.0 | 3444.3 |
| 22.5°  | 1254.3 | 1273.9 | 1292.5 | 1349.2 | 1404.8 | 1535.7 | 1665.4 | 1914.4 | 2162.2 | 2564.1 | 2964.8 |
| 25°    | 1147.7 | 1162.8 | 1177.8 | 1214.9 | 1251.9 | 1314.5 | 1377.0 | 1551.9 | 1726.8 | 2121.7 | 2515.5 |
| 27.5°  | 1051.6 | 1074.7 | 1096.7 | 1114.1 | 1130.3 | 1173.2 | 1214.9 | 1329.5 | 1444.2 | 1812.5 | 2179.6 |
| 30°    | 982.1  | 990.2  | 998.3  | 1024.9 | 1050.4 | 1094.4 | 1138.4 | 1218.4 | 1298.3 | 1609.8 | 1920.2 |
| 32.5°  | 901.0  | 912.6  | 924.2  | 952.0  | 979.8  | 1020.3 | 1060.8 | 1125.7 | 1189.4 | 1455.8 | 1721.0 |
| 35°    | 828.1  | 839.6  | 851.2  | 879.0  | 905.7  | 949.7  | 992.5  | 1046.9 | 1100.2 | 1331.8 | 1563.5 |
| 37.5°  | 782.9  | 794.5  | 806.1  | 830.4  | 853.5  | 897.5  | 940.4  | 983.3  | 1024.9 | 1239.2 | 1453.5 |
| 40°    | 744.7  | 756.3  | 767.8  | 791.0  | 813.0  | 855.9  | 897.5  | 933.5  | 969.4  | 1169.7 | 1370.1 |
| 42.5°  | 711.1  | 723.8  | 736.6  | 759.7  | 781.7  | 820.0  | 858.2  | 905.7  | 952.0  | 1109.5 | 1265.8 |
| 45°    | 683.3  | 696.0  | 707.6  | 733.1  | 758.6  | 795.6  | 832.7  | 898.7  | 964.7  | 1078.2 | 1191.7 |
| 47.5°  | 657.8  | 671.7  | 684.5  | 712.2  | 740.0  | 786.4  | 831.5  | 887.1  | 941.6  | 1053.9 | 1166.2 |
| 50°    | 633.5  | 649.7  | 665.9  | 699.5  | 731.9  | 809.5  | 886.0  | 894.1  | 901.0  | 1034.2 | 1166.2 |
| 52.5°  | 610.3  | 628.9  | 647.4  | 689.1  | 729.6  | 820.0  | 910.3  | 881.3  | 851.2  | 997.1  | 1143.1 |
| 55°    | 587.2  | 603.4  | 618.4  | 669.4  | 720.4  | 786.4  | 852.4  | 814.2  | 774.8  | 927.7  | 1080.5 |
| 57.5°  | 555.9  | 573.3  | 589.5  | 643.9  | 698.4  | 744.7  | 789.8  | 755.1  | 719.2  | 848.9  | 977.5  |
| 60°    | 523.5  | 543.2  | 562.9  | 632.3  | 700.7  | 692.6  | 683.3  | 676.3  | 668.2  | 760.9  | 853.5  |
| 62.5°  | 494.5  | 515.4  | 536.2  | 626.5  | 716.9  | 661.3  | 605.7  | 611.5  | 616.1  | 684.5  | 752.8  |
| 65°    | 465.6  | 486.4  | 506.1  | 551.3  | 596.4  | 574.4  | 552.4  | 561.7  | 569.8  | 637.0  | 704.1  |
| 67.5°  | 433.1  | 451.7  | 469.0  | 484.1  | 499.2  | 501.5  | 503.8  | 513.1  | 522.3  | 602.2  | 681.0  |
| 70°    | 397.2  | 412.3  | 427.3  | 437.8  | 447.0  | 451.7  | 455.1  | 466.7  | 478.3  | 565.2  | 652.0  |
| 72.5°  | 356.7  | 369.4  | 381.0  | 390.3  | 399.6  | 403.0  | 405.3  | 416.9  | 428.5  | 521.2  | 613.8  |
| 75°    | 312.7  | 323.1  | 332.4  | 340.5  | 348.6  | 353.2  | 357.9  | 366.0  | 374.1  | 474.8  | 574.4  |
| 77.5°  | 264.1  | 274.5  | 283.7  | 290.7  | 296.5  | 301.1  | 304.6  | 315.0  | 325.4  | 410.0  | 493.4  |
| 80°    | 206.1  | 218.9  | 230.5  | 236.3  | 240.9  | 242.0  | 242.0  | 251.3  | 260.6  | 320.8  | 379.9  |
| 82.5°  | 145.9  | 159.8  | 172.6  | 177.2  | 181.8  | 181.8  | 181.8  | 192.2  | 202.7  | 243.2  | 282.6  |
| 85°    | 85.7   | 100.8  | 114.7  | 119.3  | 123.9  | 126.2  | 127.4  | 132.0  | 135.5  | 164.5  | 192.2  |
| 87.5°  | 26.6   | 39.4   | 51.0   | 53.3   | 55.6   | 60.2   | 64.9   | 66.0   | 66.0   | 85.7   | 105.4  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320351  
 CATALOG NUMBER: GLEON-SA7A-750-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: P320351

CATALOG NUMBER: GLEON-SA7A-750-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 335°   | 340°   | 345°   | 350°    | 355°    | 360°    |
|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°     | 8824.9 | 8824.9 | 8824.9 | 8824.9 | 8824.9  | 8824.9  | 8824.9  |
| 2.5°   | 8682.5 | 8800.6 | 8938.4 | 9075.1 | 9192.1  | 9309.0  | 9406.3  |
| 5°     | 7716.6 | 7954.0 | 8244.7 | 8534.2 | 8792.5  | 9050.8  | 9350.7  |
| 7.5°   | 6502.9 | 6809.8 | 7186.2 | 7562.6 | 7927.4  | 8291.0  | 8752.0  |
| 10°    | 5623.9 | 5935.4 | 6333.8 | 6731.0 | 7141.0  | 7549.8  | 8071.0  |
| 12.5°  | 5065.7 | 5318.1 | 5703.8 | 6089.4 | 6571.2  | 7051.8  | 7553.3  |
| 15°    | 4697.4 | 4973.0 | 5348.2 | 5723.5 | 6250.4  | 6777.4  | 7354.1  |
| 17.5°  | 4304.8 | 4664.9 | 5145.6 | 5626.2 | 6250.4  | 6873.5  | 7553.3  |
| 20°    | 3893.6 | 4341.8 | 4964.9 | 5588.0 | 6428.8  | 7268.4  | 8135.8  |
| 22.5°  | 3483.6 | 4002.5 | 4801.6 | 5599.5 | 6698.6  | 7796.5  | 8967.4  |
| 25°    | 3114.2 | 3713.0 | 4702.0 | 5689.9 | 7091.2  | 8491.4  | 9943.7  |
| 27.5°  | 2833.9 | 3487.1 | 4661.5 | 5834.6 | 7589.2  | 9343.8  | 11005.7 |
| 30°    | 2584.9 | 3249.7 | 4612.8 | 5975.9 | 8068.7  | 10160.3 | 11836.1 |
| 32.5°  | 2369.5 | 3018.1 | 4519.0 | 6018.8 | 8403.4  | 10788.0 | 12539.0 |
| 35°    | 2200.4 | 2837.4 | 4361.5 | 5885.6 | 8613.0  | 11340.4 | 13271.0 |
| 37.5°  | 2054.5 | 2655.6 | 4182.0 | 5708.4 | 8799.5  | 11890.5 | 14094.4 |
| 40°    | 1915.5 | 2461.0 | 4028.0 | 5593.8 | 9056.6  | 12519.4 | 14964.2 |
| 42.5°  | 1783.5 | 2301.2 | 3904.0 | 5506.9 | 9295.1  | 13082.2 | 15725.1 |
| 45°    | 1685.1 | 2178.4 | 3794.0 | 5408.5 | 9449.2  | 13489.9 | 16298.3 |
| 47.5°  | 1636.4 | 2105.5 | 3735.0 | 5363.3 | 9603.2  | 13841.9 | 16774.3 |
| 50°    | 1629.5 | 2092.7 | 3802.1 | 5511.5 | 9936.7  | 14360.8 | 17318.6 |
| 52.5°  | 1628.3 | 2113.6 | 3995.5 | 5877.5 | 10556.3 | 15234.0 | 17908.1 |
| 55°    | 1604.0 | 2126.3 | 4226.0 | 6324.5 | 11387.9 | 16450.0 | 18967.8 |
| 57.5°  | 1529.9 | 2082.3 | 4463.4 | 6843.4 | 12266.9 | 17689.2 | 20161.8 |
| 60°    | 1415.2 | 1975.8 | 4659.1 | 7341.4 | 12857.5 | 18372.5 | 20621.6 |
| 62.5°  | 1271.6 | 1789.3 | 4724.0 | 7657.5 | 12841.3 | 18025.1 | 20158.4 |
| 65°    | 1148.9 | 1593.6 | 4510.9 | 7427.1 | 12191.6 | 16955.0 | 19242.3 |
| 67.5°  | 1040.0 | 1397.9 | 3978.2 | 6557.3 | 11023.1 | 15487.6 | 18077.2 |
| 70°    | 961.2  | 1269.3 | 3291.4 | 5313.5 | 9560.3  | 13806.0 | 16728.0 |
| 72.5°  | 911.4  | 1207.9 | 2683.4 | 4157.7 | 7758.3  | 11357.8 | 14308.7 |
| 75°    | 843.1  | 1111.8 | 2105.5 | 3098.0 | 5937.7  | 8777.4  | 10807.6 |
| 77.5°  | 715.7  | 936.9  | 1586.6 | 2236.3 | 4356.9  | 6476.2  | 7516.2  |
| 80°    | 552.4  | 723.8  | 1091.0 | 1458.1 | 2998.4  | 4538.7  | 5124.7  |
| 82.5°  | 393.8  | 504.9  | 661.3  | 817.6  | 1992.0  | 3165.2  | 3213.8  |
| 85°    | 243.2  | 294.2  | 378.7  | 463.3  | 1317.9  | 2172.6  | 1810.2  |
| 87.5°  | 130.9  | 156.3  | 200.4  | 243.2  | 421.6   | 599.9   | 345.1   |
| 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: P320351  
 CATALOG NUMBER: GLEON-SA7A-750-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: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

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

### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-4-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-750-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):                  | 4884   | CRI (Ra): | 73.5 |      |       |
| CIE u':                   | 0.2101 | R1:       | 70.5 | R9:  | -28.4 |
| CIE v':                   | 0.4904 | R2:       | 77.7 | R10: | 48.6  |
| Duv:                      | 0.0037 | R3:       | 84.6 | R11: | 73.2  |
| CIE x:                    | 0.3493 | R4:       | 74.7 | R12: | 50.7  |
| CIE y:                    | 0.3624 | R5:       | 71.9 | R13: | 71.2  |
| CIE z:                    | 0.2884 | R6:       | 70.7 | R14: | 91.4  |
| Peak Wavelength (nm):     | 444    | R7:       | 81.2 |      |       |
| Dominant Wavelength (nm): | 571    | R8:       | 56.9 |      |       |
| Purity:                   | 13.7   |           |      |      |       |
| Rf:                       | 74.9   |           |      |      |       |
| Rg:                       | 96.3   |           |      |      |       |



### Test Conditions

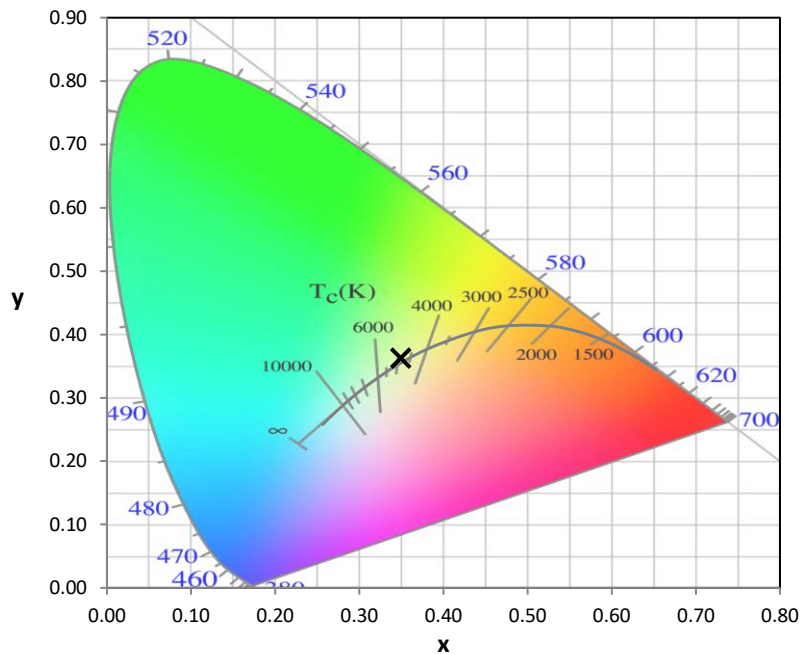
Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-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: SP1-1908-441-4-R4

**CIE 1931 Chromaticity Diagram**



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



Point lies inside the ANSI 5000K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-4-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       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 13493.5

S/P: 1.77

| 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       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-4-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5378.9 M/P: 0.71**

| 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       | 2945             | NR               | 490       | 37941            | NR               | 620       | 88803            | NR               | 750       | 3908             | NR               | 880       | 2997             | NR               |
| 365       | 2596             | NR               | 495       | 48525            | NR               | 625       | 80578            | NR               | 755       | 3988             | NR               | 885       | 2927             | NR               |
| 370       | 2732             | NR               | 500       | 60609            | NR               | 630       | 73127            | NR               | 760       | 3335             | NR               | 890       | 2649             | NR               |
| 375       | 2894             | NR               | 505       | 72036            | NR               | 635       | 66244            | NR               | 765       | 3438             | NR               | 895       | 2828             | NR               |
| 380       | 2822             | NR               | 510       | 82168            | NR               | 640       | 59440            | NR               | 770       | 3427             | NR               | 900       | 1407             | NR               |
| 385       | 2394             | NR               | 515       | 90898            | NR               | 645       | 52864            | NR               | 775       | 2759             | NR               | 905       | 2224             | NR               |
| 390       | 2370             | NR               | 520       | 97142            | NR               | 650       | 47085            | NR               | 780       | 2340             | NR               | 910       | 2905             | NR               |
| 395       | 2267             | NR               | 525       | 103255           | NR               | 655       | 41789            | NR               | 785       | 2412             | NR               | 915       | 3350             | NR               |
| 400       | 2262             | NR               | 530       | 106697           | NR               | 660       | 37064            | NR               | 790       | 1999             | NR               | 920       | 3114             | NR               |
| 405       | 3000             | NR               | 535       | 110081           | NR               | 665       | 32299            | NR               | 795       | 2054             | NR               | 925       | 2834             | NR               |
| 410       | 5324             | NR               | 540       | 112494           | NR               | 670       | 28142            | NR               | 800       | 2331             | NR               | 930       | 2271             | NR               |
| 415       | 10725            | NR               | 545       | 115513           | NR               | 675       | 24505            | NR               | 805       | 2648             | NR               | 935       | 2228             | NR               |
| 420       | 22128            | NR               | 550       | 117203           | NR               | 680       | 21162            | NR               | 810       | 2485             | NR               | 940       | 2833             | NR               |
| 425       | 44095            | NR               | 555       | 119753           | NR               | 685       | 18400            | NR               | 815       | 2409             | NR               | 945       | 2941             | NR               |
| 430       | 77002            | NR               | 560       | 122602           | NR               | 690       | 16065            | NR               | 820       | 2221             | NR               | 950       | 2323             | NR               |
| 435       | 119881           | NR               | 565       | 124314           | NR               | 695       | 13860            | NR               | 825       | 1562             | NR               | 955       | 1667             | NR               |
| 440       | 164454           | NR               | 570       | 126775           | NR               | 700       | 12177            | NR               | 830       | 2249             | NR               | 960       | 749              | NR               |
| 445       | 179997           | NR               | 575       | 127511           | NR               | 705       | 10757            | NR               | 835       | 2573             | NR               | 965       | 2669             | NR               |
| 450       | 142822           | NR               | 580       | 127577           | NR               | 710       | 9601             | NR               | 840       | 2764             | NR               | 970       | 3968             | NR               |
| 455       | 90008            | NR               | 585       | 126153           | NR               | 715       | 8944             | NR               | 845       | 3109             | NR               | 975       | 3886             | NR               |
| 460       | 60557            | NR               | 590       | 123678           | NR               | 720       | 7947             | NR               | 850       | 2963             | NR               | 980       | 2788             | NR               |
| 465       | 43305            | NR               | 595       | 119774           | NR               | 725       | 7062             | NR               | 855       | 2336             | NR               | 985       | 3496             | NR               |
| 470       | 31089            | NR               | 600       | 115733           | NR               | 730       | 6004             | NR               | 860       | 2118             | NR               | 990       | 2913             | NR               |
| 475       | 26278            | NR               | 605       | 109231           | NR               | 735       | 5594             | NR               | 865       | 3144             | NR               | 995       | 4659             | NR               |
| 480       | 27060            | NR               | 610       | 102408           | NR               | 740       | 5165             | NR               | 870       | 3069             | NR               | 1000      | 1308             | NR               |
| 485       | 30698            | NR               | 615       | 96015            | NR               | 745       | 4687             | NR               | 875       | 3311             | NR               |           |                  |                  |

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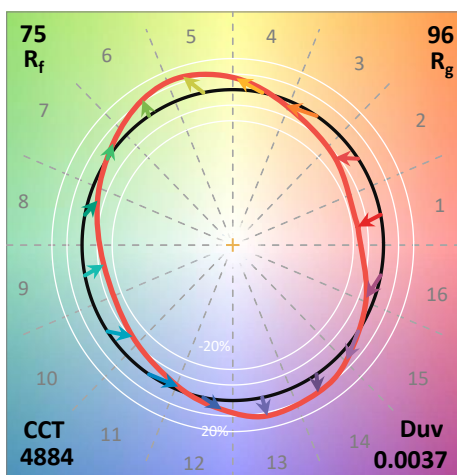
**Summary**

$R_f = 74.9$   
 $R_g = 96.3$   
 CIE  $R_a = 73.5$   
 $R_g = -28.4$

**Spectral Power Distribution Comparison**



**Color Vector Graphics**



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

|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 61 | CES51 = 90 | CES76 = 52 |
| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
| CES25 = 71 | CES50 = 89 | CES75 = 58 |            |



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Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)