

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: P320590

Luminaire Tested: **GLEON-SA6A-730-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320590  
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-SA6A-730-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22307 lumens  
Efficiency: N/A  
Efficacy: 115.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

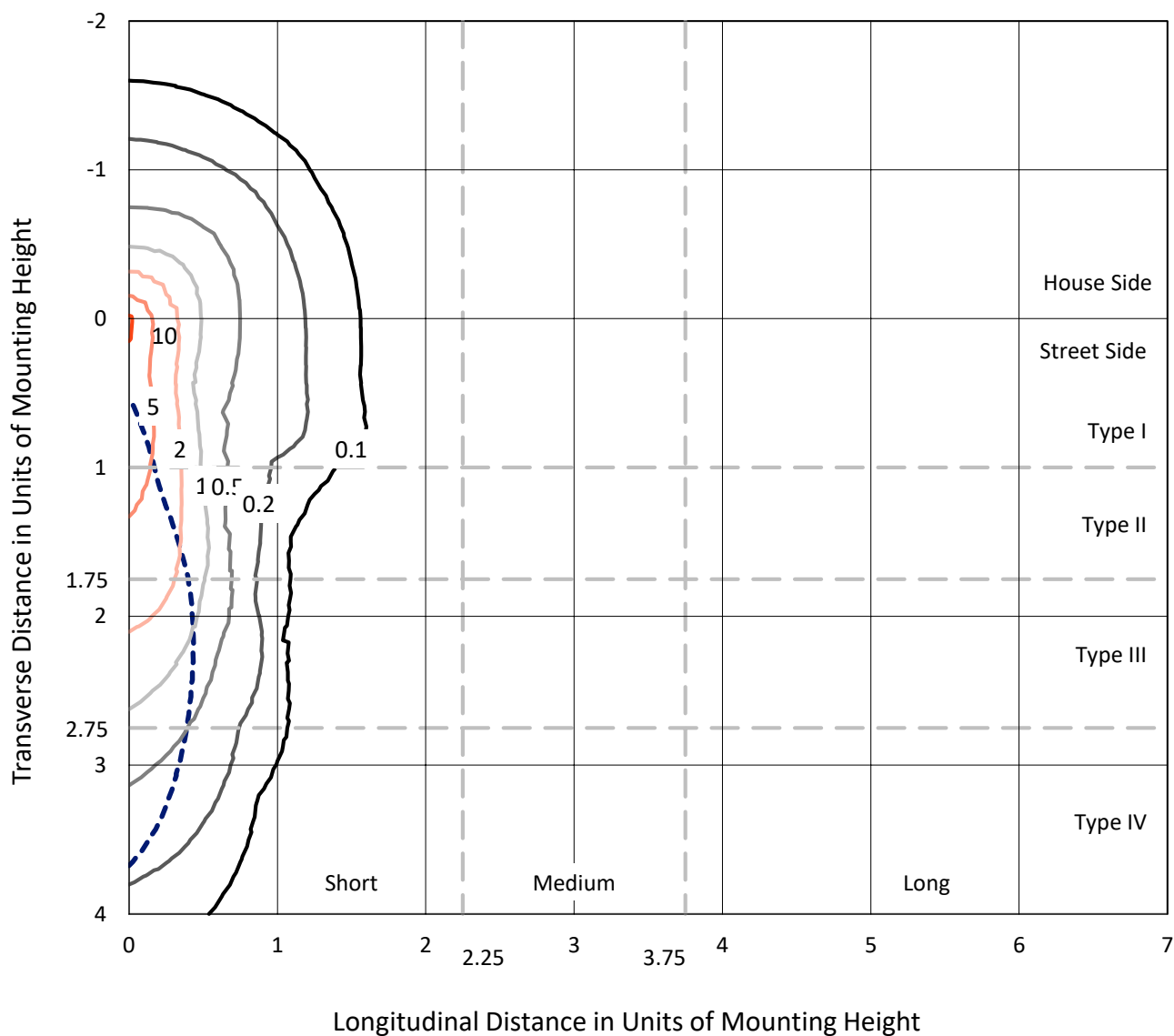
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

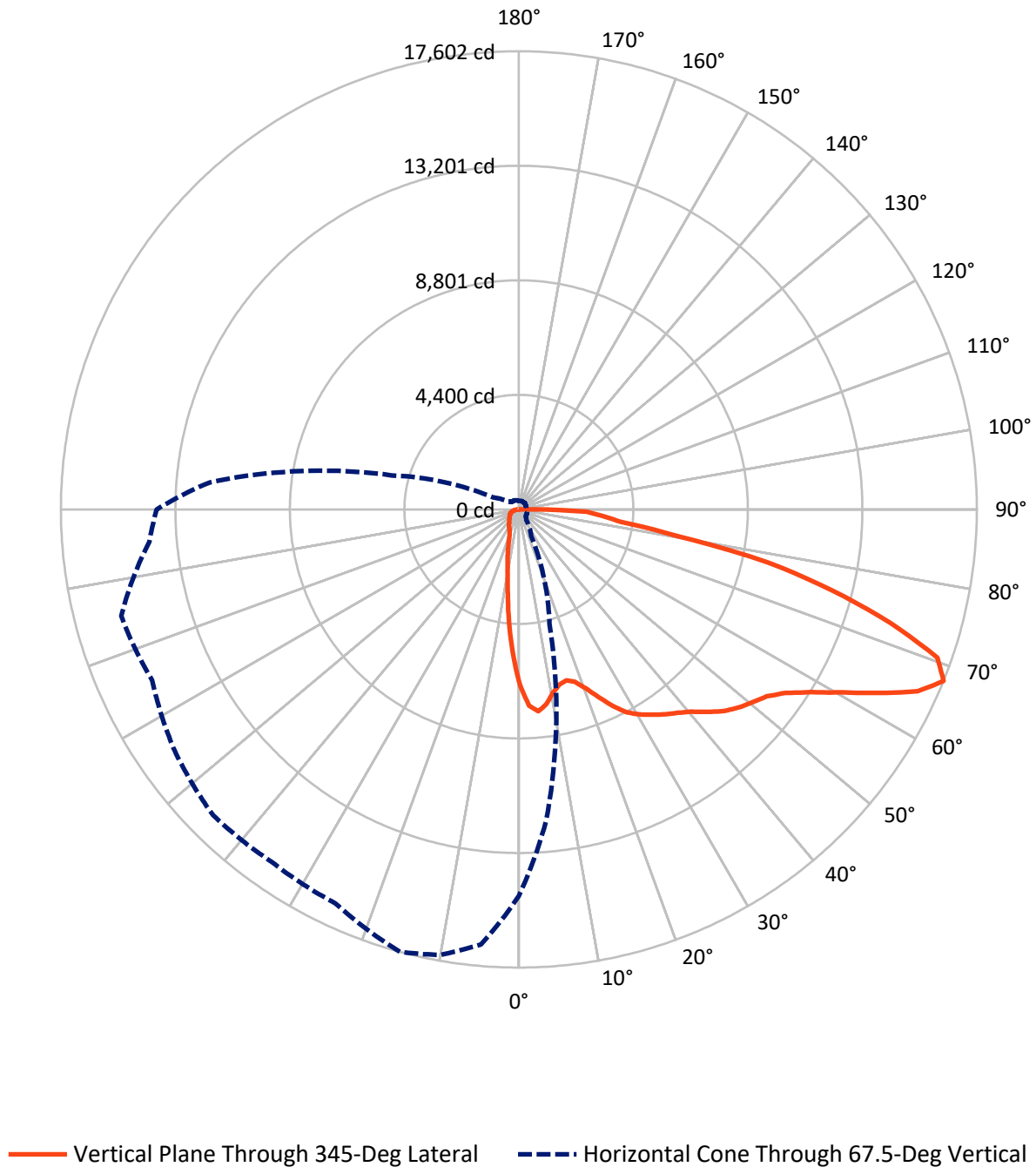
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.9 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3856.4   | 0.0    | 3856.4  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 18450.6  | 0.0    | 18450.6 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 22307.0  | 0.0    | 22307.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 524.5   | 2.4       |
| 10°-20°   | 1089.6  | 4.9       |
| 20°-30°   | 1549.6  | 6.9       |
| 30°-40°   | 2233.0  | 10.0      |
| 40°-50°   | 3146.9  | 14.1      |
| 50°-60°   | 4374.8  | 19.6      |
| 60°-70°   | 5290.4  | 23.7      |
| 70°-80°   | 3251.9  | 14.6      |
| 80°-90°   | 846.2   | 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°    | 22307.0 | 100.0     |
| 0°-180°   | 22307.0 | 100.0     |

**Coefficient of Utilization**



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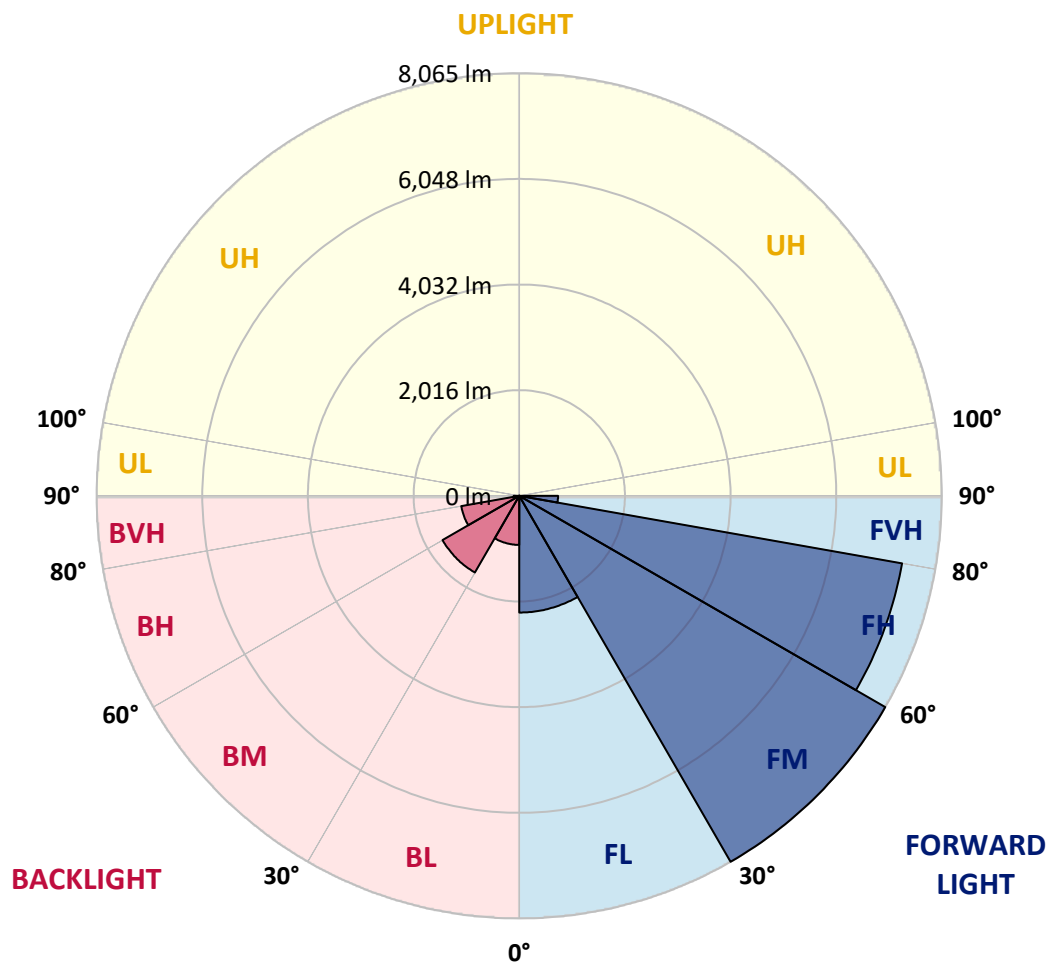
CATALOG NUMBER: GLEON-SA6A-730-U-SLR

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 2227.4 | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 8064.5 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 7418.5 | 33.3      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 740.1  | 3.3       |                         |      | G4/750  |
| BL   | (0°-30°)    | 936.3  | 4.2       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1690.2 | 7.6       | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1123.8 | 5.0       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 106.1  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G4**

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6796.0  | 6796.0  | 6796.0  | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 |
| 2.5°   | 7280.3  | 7216.0  | 7118.8  | 7021.6 | 6949.4 | 6876.2 | 6793.3 | 6710.4 | 6615.8 | 6520.4 | 6464.2 |
| 5°     | 7159.9  | 6981.5  | 6749.6  | 6517.7 | 6364.3 | 6210.9 | 6037.0 | 5863.1 | 5691.0 | 5518.8 | 5426.1 |
| 7.5°   | 6617.6  | 6350.1  | 6048.6  | 5747.2 | 5524.2 | 5300.3 | 5059.5 | 4817.8 | 4603.8 | 4388.8 | 4256.0 |
| 10°    | 6084.3  | 5763.2  | 5417.2  | 5070.2 | 4784.8 | 4499.4 | 4257.7 | 4015.2 | 3853.7 | 3692.3 | 3570.1 |
| 12.5°  | 5701.7  | 5345.8  | 4965.0  | 4583.3 | 4297.9 | 4012.5 | 3859.1 | 3705.7 | 3571.9 | 3438.1 | 3297.2 |
| 15°    | 5550.1  | 5147.8  | 4758.1  | 4367.4 | 4107.9 | 3848.4 | 3678.0 | 3506.8 | 3327.5 | 3147.4 | 2974.4 |
| 17.5°  | 5683.8  | 5212.9  | 4789.3  | 4365.7 | 4025.9 | 3686.1 | 3447.9 | 3208.9 | 2972.6 | 2736.2 | 2535.6 |
| 20°    | 6101.2  | 5500.1  | 4946.3  | 4391.5 | 3939.4 | 3487.2 | 3167.9 | 2847.7 | 2544.5 | 2241.2 | 2013.8 |
| 22.5°  | 6687.2  | 5891.6  | 5168.3  | 4445.0 | 3860.9 | 3275.8 | 2875.4 | 2474.0 | 2115.5 | 1757.0 | 1534.0 |
| 25°    | 7398.9  | 6410.7  | 5488.5  | 4565.4 | 3828.8 | 3091.2 | 2598.9 | 2106.6 | 1728.4 | 1349.4 | 1190.6 |
| 27.5°  | 8148.9  | 7029.6  | 5886.3  | 4742.0 | 3834.1 | 2926.2 | 2366.1 | 1805.1 | 1464.4 | 1123.7 | 1014.9 |
| 30°    | 8774.1  | 7736.9  | 6350.1  | 4962.3 | 3854.6 | 2746.9 | 2146.7 | 1546.5 | 1265.6 | 984.6  | 914.2  |
| 32.5°  | 9345.8  | 8230.1  | 6699.7  | 5168.3 | 3877.8 | 2586.4 | 1977.3 | 1367.2 | 1138.0 | 907.9  | 849.9  |
| 35°    | 9936.2  | 8668.0  | 6944.0  | 5219.2 | 3837.7 | 2455.3 | 1861.3 | 1267.3 | 1056.0 | 843.7  | 794.6  |
| 37.5°  | 10586.4 | 9141.6  | 7179.5  | 5216.5 | 3769.9 | 2323.3 | 1771.2 | 1218.3 | 1002.5 | 785.7  | 750.1  |
| 40°    | 11311.5 | 9665.1  | 7434.6  | 5204.0 | 3708.4 | 2211.8 | 1704.3 | 1196.0 | 973.0  | 749.2  | 718.8  |
| 42.5°  | 12020.5 | 10164.5 | 7671.8  | 5179.0 | 3658.4 | 2136.9 | 1638.3 | 1139.8 | 946.3  | 751.8  | 709.0  |
| 45°    | 12552.9 | 10600.7 | 7877.8  | 5154.1 | 3621.0 | 2087.8 | 1586.6 | 1085.4 | 921.3  | 757.2  | 702.8  |
| 47.5°  | 12957.0 | 11038.6 | 8106.1  | 5172.8 | 3617.4 | 2062.0 | 1550.1 | 1038.1 | 874.0  | 709.0  | 686.7  |
| 50°    | 13470.7 | 11564.8 | 8438.8  | 5312.8 | 3666.4 | 2020.1 | 1507.2 | 993.5  | 828.5  | 663.5  | 693.9  |
| 52.5°  | 14110.1 | 12315.7 | 8954.3  | 5592.0 | 3769.0 | 1946.0 | 1439.5 | 932.9  | 773.2  | 612.7  | 660.0  |
| 55°    | 15049.3 | 13278.0 | 9613.4  | 5947.8 | 3893.0 | 1837.2 | 1336.9 | 835.7  | 700.1  | 563.7  | 605.6  |
| 57.5°  | 15892.1 | 14250.2 | 10245.7 | 6240.4 | 3970.6 | 1699.9 | 1207.6 | 715.3  | 618.1  | 520.8  | 544.9  |
| 60°    | 16267.5 | 14751.4 | 10541.8 | 6331.3 | 3924.2 | 1517.1 | 1062.2 | 606.5  | 545.8  | 485.2  | 480.7  |
| 62.5°  | 16121.3 | 14433.0 | 10250.2 | 6067.3 | 3697.7 | 1328.0 | 933.8  | 539.6  | 494.1  | 447.7  | 437.9  |
| 65°    | 15693.2 | 13432.3 | 9433.2  | 5434.1 | 3315.0 | 1196.0 | 852.6  | 509.3  | 458.4  | 407.6  | 396.9  |
| 67.5°  | 14849.5 | 12008.0 | 8275.6  | 4543.1 | 2829.0 | 1114.8 | 806.2  | 497.7  | 436.1  | 373.7  | 361.2  |
| 70°    | 13335.1 | 10293.9 | 6942.2  | 3589.7 | 2327.8 | 1064.9 | 775.9  | 487.0  | 412.0  | 336.2  | 324.6  |
| 72.5°  | 10952.9 | 8253.3  | 5543.8  | 2833.4 | 1946.0 | 1058.6 | 772.4  | 486.1  | 392.4  | 298.8  | 288.1  |
| 75°    | 7842.1  | 6268.9  | 4231.9  | 2194.0 | 1593.8 | 993.5  | 733.1  | 472.7  | 365.7  | 257.7  | 247.9  |
| 77.5°  | 5277.1  | 4338.9  | 2941.4  | 1542.9 | 1182.6 | 822.3  | 616.3  | 410.3  | 313.0  | 215.8  | 206.0  |
| 80°    | 3389.1  | 3002.9  | 1971.0  | 939.1  | 767.0  | 594.9  | 440.6  | 286.3  | 228.3  | 169.5  | 161.4  |
| 82.5°  | 2486.5  | 2235.0  | 1369.9  | 504.8  | 426.3  | 346.9  | 269.3  | 191.8  | 156.1  | 120.4  | 116.8  |
| 85°    | 1580.4  | 1742.7  | 1008.7  | 274.7  | 224.7  | 174.8  | 144.5  | 114.2  | 90.1   | 66.0   | 66.0   |
| 87.5°  | 306.8   | 424.5   | 279.2   | 132.9  | 97.2   | 61.5   | 52.6   | 42.8   | 24.1   | 4.5    | 5.4    |
| 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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**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°     | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 |
| 2.5°   | 6407.1 | 6345.6 | 6284.1 | 6214.5 | 6144.0 | 6078.9 | 6012.9 | 5940.7 | 5954.1 | 5898.8 | 5843.5 |
| 5°     | 5333.3 | 5235.2 | 5136.2 | 5050.6 | 4965.0 | 4891.0 | 4816.1 | 4749.2 | 4807.1 | 4767.9 | 4728.6 |
| 7.5°   | 4122.2 | 4000.9 | 3878.7 | 3776.1 | 3673.6 | 3594.2 | 3513.9 | 3458.6 | 3515.7 | 3508.6 | 3501.4 |
| 10°    | 3447.9 | 3330.2 | 3211.6 | 3098.3 | 2985.1 | 2888.7 | 2791.5 | 2709.5 | 2695.2 | 2654.2 | 2612.3 |
| 12.5°  | 3155.4 | 2994.0 | 2831.7 | 2713.0 | 2594.4 | 2479.4 | 2364.3 | 2268.0 | 2224.3 | 2156.5 | 2087.8 |
| 15°    | 2801.3 | 2610.5 | 2419.6 | 2284.9 | 2149.4 | 2037.9 | 1925.5 | 1842.6 | 1814.9 | 1762.3 | 1709.7 |
| 17.5°  | 2334.9 | 2126.2 | 1917.5 | 1781.0 | 1643.7 | 1554.5 | 1464.4 | 1409.1 | 1409.1 | 1394.0 | 1378.8 |
| 20°    | 1786.4 | 1600.0 | 1413.6 | 1309.3 | 1204.9 | 1157.6 | 1109.5 | 1086.3 | 1093.4 | 1094.3 | 1094.3 |
| 22.5°  | 1310.1 | 1196.0 | 1081.8 | 1039.9 | 997.1  | 980.2  | 963.2  | 953.4  | 957.0  | 957.9  | 958.8  |
| 25°    | 1031.9 | 988.2  | 943.6  | 922.2  | 899.9  | 889.2  | 878.5  | 874.9  | 882.9  | 883.8  | 883.8  |
| 27.5°  | 906.1  | 879.4  | 851.7  | 838.3  | 824.1  | 819.6  | 815.2  | 808.9  | 816.9  | 816.9  | 816.1  |
| 30°    | 842.8  | 814.3  | 785.7  | 768.8  | 751.8  | 753.6  | 754.5  | 752.7  | 758.1  | 761.6  | 764.3  |
| 32.5°  | 791.1  | 763.4  | 735.8  | 718.8  | 701.0  | 698.3  | 695.7  | 693.9  | 705.5  | 711.7  | 717.9  |
| 35°    | 744.7  | 714.4  | 684.1  | 668.0  | 652.0  | 645.7  | 639.5  | 635.0  | 645.7  | 653.7  | 661.8  |
| 37.5°  | 713.5  | 682.3  | 650.2  | 635.0  | 619.0  | 610.9  | 602.9  | 597.5  | 602.0  | 605.6  | 609.1  |
| 40°    | 688.5  | 656.4  | 623.4  | 605.6  | 587.7  | 579.7  | 571.7  | 567.2  | 569.9  | 570.8  | 571.7  |
| 42.5°  | 665.3  | 634.1  | 602.9  | 583.3  | 562.8  | 553.0  | 543.1  | 537.8  | 539.6  | 541.4  | 542.3  |
| 45°    | 648.4  | 617.2  | 585.1  | 561.9  | 537.8  | 527.1  | 516.4  | 510.1  | 511.0  | 511.0  | 511.0  |
| 47.5°  | 664.4  | 619.0  | 572.6  | 545.8  | 518.2  | 505.7  | 493.2  | 487.0  | 485.2  | 483.4  | 481.6  |
| 50°    | 723.3  | 645.7  | 567.2  | 533.3  | 498.6  | 485.2  | 470.9  | 463.8  | 459.3  | 457.5  | 455.7  |
| 52.5°  | 706.4  | 639.5  | 571.7  | 528.0  | 483.4  | 467.3  | 451.3  | 439.7  | 435.2  | 432.6  | 429.9  |
| 55°    | 646.6  | 604.7  | 561.9  | 509.3  | 456.6  | 442.4  | 427.2  | 419.2  | 411.1  | 409.4  | 407.6  |
| 57.5°  | 568.1  | 551.2  | 534.2  | 480.7  | 427.2  | 413.8  | 399.6  | 394.2  | 387.1  | 387.1  | 386.2  |
| 60°    | 475.4  | 500.3  | 525.3  | 463.8  | 401.3  | 386.2  | 371.0  | 366.6  | 363.9  | 363.0  | 362.1  |
| 62.5°  | 427.2  | 468.2  | 508.4  | 443.3  | 377.3  | 361.2  | 345.2  | 339.8  | 338.9  | 339.8  | 339.8  |
| 65°    | 386.2  | 398.7  | 411.1  | 380.8  | 350.5  | 334.4  | 317.5  | 312.2  | 313.9  | 316.6  | 319.3  |
| 67.5°  | 348.7  | 346.0  | 343.4  | 332.7  | 321.1  | 307.7  | 293.4  | 288.1  | 289.0  | 292.5  | 296.1  |
| 70°    | 313.0  | 309.5  | 305.0  | 297.0  | 289.0  | 277.4  | 265.8  | 262.2  | 261.3  | 265.8  | 269.3  |
| 72.5°  | 277.4  | 272.9  | 267.6  | 261.3  | 254.2  | 244.4  | 234.6  | 231.9  | 232.8  | 235.5  | 238.1  |
| 75°    | 238.1  | 234.6  | 230.1  | 224.7  | 218.5  | 209.6  | 200.7  | 198.9  | 200.7  | 203.3  | 206.0  |
| 77.5°  | 195.3  | 194.4  | 192.6  | 188.2  | 183.7  | 173.9  | 163.2  | 162.3  | 165.0  | 167.7  | 169.5  |
| 80°    | 152.5  | 153.4  | 154.3  | 150.7  | 147.2  | 136.5  | 124.9  | 124.0  | 126.6  | 129.3  | 132.0  |
| 82.5°  | 112.4  | 115.1  | 116.8  | 112.4  | 107.9  | 95.4   | 82.9   | 81.2   | 90.1   | 92.8   | 95.4   |
| 85°    | 65.1   | 68.7   | 72.2   | 68.7   | 65.1   | 52.6   | 40.1   | 39.2   | 47.3   | 51.7   | 56.2   |
| 87.5°  | 5.4    | 7.1    | 8.9    | 8.0    | 7.1    | 3.6    | 0.0    | 0.0    | 0.9    | 4.5    | 8.0    |
| 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: P320590  
 CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|
| 112.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 115°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 117.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 120°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 122.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 125°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 127.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 130°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 132.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 135°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 137.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 140°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 142.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 145°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 147.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 150°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 152.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 155°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 157.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 160°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 165°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 170°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 175°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |
| 180°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0  | 0.0  |



REPORT NUMBER: P320590

CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 |
| 2.5°   | 5808.7 | 5773.9 | 5763.2 | 5752.5 | 5713.3 | 5673.1 | 5714.2 | 5754.3 | 5771.2 | 5788.2 | 5744.5 |
| 5°     | 4723.3 | 4717.1 | 4717.1 | 4716.2 | 4680.5 | 4643.9 | 4671.6 | 4698.3 | 4638.6 | 4578.8 | 4572.6 |
| 7.5°   | 3539.8 | 3578.1 | 3609.4 | 3639.7 | 3628.1 | 3616.5 | 3642.4 | 3668.2 | 3592.4 | 3515.7 | 3478.3 |
| 10°    | 2621.2 | 2629.2 | 2663.1 | 2697.0 | 2705.0 | 2712.1 | 2744.3 | 2775.5 | 2716.6 | 2657.7 | 2631.9 |
| 12.5°  | 2045.0 | 2002.2 | 2006.7 | 2010.3 | 2026.3 | 2041.5 | 2075.4 | 2108.4 | 2084.3 | 2059.3 | 2062.0 |
| 15°    | 1656.2 | 1601.8 | 1579.5 | 1556.3 | 1574.1 | 1592.0 | 1616.1 | 1639.2 | 1640.1 | 1640.1 | 1663.3 |
| 17.5°  | 1352.1 | 1324.4 | 1302.1 | 1278.9 | 1303.0 | 1326.2 | 1328.9 | 1331.5 | 1332.4 | 1333.3 | 1331.5 |
| 20°    | 1107.7 | 1121.1 | 1113.9 | 1106.8 | 1115.7 | 1123.7 | 1130.9 | 1137.1 | 1129.1 | 1120.2 | 1097.9 |
| 22.5°  | 971.2  | 982.8  | 991.7  | 999.8  | 1014.9 | 1029.2 | 1022.1 | 1014.0 | 998.0  | 981.0  | 964.1  |
| 25°    | 891.9  | 899.9  | 908.8  | 917.7  | 930.2  | 941.8  | 929.3  | 916.8  | 905.2  | 893.6  | 882.1  |
| 27.5°  | 825.0  | 833.0  | 841.0  | 848.2  | 859.8  | 870.5  | 858.9  | 847.3  | 837.5  | 827.6  | 818.7  |
| 30°    | 770.6  | 775.9  | 782.2  | 788.4  | 799.1  | 808.9  | 799.1  | 788.4  | 781.3  | 773.2  | 767.0  |
| 32.5°  | 724.2  | 729.5  | 732.2  | 734.9  | 744.7  | 754.5  | 747.4  | 740.2  | 734.0  | 727.8  | 723.3  |
| 35°    | 673.4  | 684.1  | 685.8  | 687.6  | 697.4  | 707.2  | 702.8  | 697.4  | 690.3  | 683.2  | 675.1  |
| 37.5°  | 621.6  | 634.1  | 641.2  | 647.5  | 657.3  | 667.1  | 662.7  | 658.2  | 648.4  | 638.6  | 624.3  |
| 40°    | 577.9  | 583.3  | 596.7  | 609.1  | 625.2  | 640.4  | 631.4  | 621.6  | 606.5  | 591.3  | 584.2  |
| 42.5°  | 541.4  | 540.5  | 553.0  | 565.4  | 589.5  | 612.7  | 596.7  | 580.6  | 566.3  | 552.1  | 550.3  |
| 45°    | 509.3  | 506.6  | 512.8  | 519.1  | 544.9  | 569.9  | 553.8  | 536.9  | 528.9  | 520.8  | 520.8  |
| 47.5°  | 480.7  | 478.9  | 483.4  | 487.0  | 503.0  | 518.2  | 510.1  | 502.1  | 497.7  | 493.2  | 494.1  |
| 50°    | 454.8  | 453.1  | 457.5  | 461.1  | 467.3  | 472.7  | 474.5  | 475.4  | 472.7  | 470.0  | 471.8  |
| 52.5°  | 430.8  | 430.8  | 432.6  | 433.4  | 441.5  | 449.5  | 449.5  | 448.6  | 448.6  | 448.6  | 450.4  |
| 55°    | 410.3  | 412.0  | 412.0  | 412.0  | 424.5  | 436.1  | 432.6  | 429.0  | 429.9  | 429.9  | 431.7  |
| 57.5°  | 389.7  | 392.4  | 394.2  | 396.0  | 408.5  | 421.0  | 417.4  | 413.8  | 413.8  | 413.8  | 414.7  |
| 60°    | 366.6  | 370.1  | 373.7  | 377.3  | 389.7  | 402.2  | 398.7  | 394.2  | 395.1  | 396.0  | 396.9  |
| 62.5°  | 344.3  | 347.8  | 351.4  | 355.0  | 367.4  | 379.9  | 376.4  | 371.9  | 374.6  | 376.4  | 376.4  |
| 65°    | 322.9  | 325.5  | 329.1  | 332.7  | 344.3  | 355.9  | 352.3  | 348.7  | 352.3  | 355.0  | 356.7  |
| 67.5°  | 298.8  | 300.6  | 304.1  | 307.7  | 319.3  | 330.9  | 327.3  | 322.9  | 327.3  | 330.9  | 334.4  |
| 70°    | 271.1  | 272.9  | 277.4  | 280.9  | 292.5  | 304.1  | 299.7  | 295.2  | 299.7  | 304.1  | 307.7  |
| 72.5°  | 240.8  | 242.6  | 247.0  | 250.6  | 264.0  | 277.4  | 272.0  | 266.7  | 272.0  | 277.4  | 279.2  |
| 75°    | 207.8  | 209.6  | 214.9  | 219.4  | 232.8  | 246.2  | 241.7  | 236.3  | 240.8  | 245.3  | 246.2  |
| 77.5°  | 172.1  | 174.8  | 181.9  | 189.1  | 199.8  | 210.5  | 207.8  | 205.1  | 207.8  | 210.5  | 210.5  |
| 80°    | 134.7  | 137.3  | 146.3  | 154.3  | 160.5  | 166.8  | 167.7  | 168.6  | 169.5  | 170.3  | 169.5  |
| 82.5°  | 99.9   | 103.5  | 111.5  | 119.5  | 119.5  | 119.5  | 126.6  | 132.9  | 132.9  | 132.0  | 131.1  |
| 85°    | 61.5   | 66.0   | 73.1   | 80.3   | 75.8   | 71.3   | 82.9   | 93.6   | 93.6   | 92.8   | 91.0   |
| 87.5°  | 12.5   | 16.9   | 24.1   | 30.3   | 25.9   | 21.4   | 33.0   | 44.6   | 45.5   | 45.5   | 43.7   |
| 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: P320590  
 CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

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**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 |
| 2.5°   | 5699.9 | 5769.4 | 5838.1 | 5856.0 | 5882.7 | 5894.3 | 5905.0 | 5992.4 | 6078.9 | 6180.6 | 6282.3 |
| 5°     | 4565.4 | 4617.2 | 4668.9 | 4676.9 | 4704.6 | 4718.8 | 4733.1 | 4839.2 | 4944.5 | 5086.3 | 5228.1 |
| 7.5°   | 3440.8 | 3453.3 | 3465.8 | 3464.0 | 3487.2 | 3518.4 | 3548.7 | 3662.0 | 3774.4 | 3926.9 | 4078.5 |
| 10°    | 2606.0 | 2634.6 | 2662.2 | 2688.1 | 2738.9 | 2797.8 | 2855.7 | 2971.7 | 3087.6 | 3238.3 | 3388.2 |
| 12.5°  | 2064.7 | 2097.7 | 2129.8 | 2158.3 | 2217.2 | 2295.7 | 2373.2 | 2512.4 | 2651.5 | 2831.7 | 3010.9 |
| 15°    | 1685.6 | 1682.9 | 1680.3 | 1699.9 | 1751.6 | 1837.2 | 1922.0 | 2069.1 | 2216.3 | 2414.3 | 2611.4 |
| 17.5°  | 1329.8 | 1316.4 | 1303.0 | 1318.2 | 1366.3 | 1436.8 | 1506.4 | 1631.2 | 1755.2 | 1946.9 | 2138.7 |
| 20°    | 1075.6 | 1066.7 | 1057.7 | 1072.0 | 1102.3 | 1131.8 | 1161.2 | 1251.3 | 1340.5 | 1496.5 | 1651.7 |
| 22.5°  | 946.3  | 945.4  | 943.6  | 951.6  | 965.9  | 981.0  | 995.3  | 1039.0 | 1081.8 | 1182.6 | 1282.5 |
| 25°    | 870.5  | 869.6  | 868.7  | 872.2  | 883.8  | 895.4  | 907.0  | 935.6  | 964.1  | 1012.3 | 1060.4 |
| 27.5°  | 809.8  | 808.0  | 806.2  | 807.1  | 809.8  | 827.6  | 844.6  | 858.0  | 870.5  | 903.5  | 935.6  |
| 30°    | 760.8  | 759.9  | 759.0  | 759.0  | 756.3  | 762.5  | 768.8  | 789.3  | 808.9  | 842.8  | 876.7  |
| 32.5°  | 718.8  | 714.4  | 709.9  | 700.1  | 693.9  | 702.8  | 711.7  | 733.1  | 754.5  | 785.7  | 816.9  |
| 35°    | 666.2  | 654.6  | 642.1  | 636.8  | 637.7  | 646.6  | 655.5  | 676.9  | 697.4  | 731.3  | 764.3  |
| 37.5°  | 609.1  | 605.6  | 601.1  | 600.2  | 602.9  | 611.8  | 620.7  | 639.5  | 657.3  | 691.2  | 724.2  |
| 40°    | 577.0  | 575.3  | 573.5  | 571.7  | 573.5  | 582.4  | 591.3  | 609.1  | 626.1  | 659.1  | 691.2  |
| 42.5°  | 548.5  | 547.6  | 546.7  | 546.7  | 547.6  | 557.4  | 567.2  | 585.1  | 602.0  | 631.4  | 660.9  |
| 45°    | 520.8  | 521.7  | 521.7  | 523.5  | 526.2  | 536.0  | 544.9  | 564.5  | 584.2  | 612.7  | 641.2  |
| 47.5°  | 495.0  | 497.7  | 499.4  | 503.9  | 506.6  | 517.3  | 527.1  | 548.5  | 569.9  | 605.6  | 640.4  |
| 50°    | 472.7  | 475.4  | 477.1  | 480.7  | 487.8  | 500.3  | 512.8  | 538.7  | 563.7  | 623.4  | 682.3  |
| 52.5°  | 452.2  | 454.8  | 457.5  | 461.1  | 470.0  | 484.3  | 498.6  | 530.7  | 561.9  | 631.4  | 701.0  |
| 55°    | 433.4  | 436.1  | 437.9  | 443.3  | 452.2  | 464.7  | 476.3  | 515.5  | 554.7  | 605.6  | 656.4  |
| 57.5°  | 415.6  | 418.3  | 420.1  | 423.6  | 428.1  | 441.5  | 454.0  | 495.9  | 537.8  | 573.5  | 608.2  |
| 60°    | 396.9  | 398.7  | 399.6  | 399.6  | 403.1  | 418.3  | 433.4  | 487.0  | 539.6  | 533.3  | 526.2  |
| 62.5°  | 376.4  | 378.1  | 379.0  | 376.4  | 380.8  | 396.9  | 412.9  | 482.5  | 552.1  | 509.3  | 466.4  |
| 65°    | 357.6  | 356.7  | 355.9  | 353.2  | 358.5  | 374.6  | 389.7  | 424.5  | 459.3  | 442.4  | 425.4  |
| 67.5°  | 337.1  | 334.4  | 331.8  | 328.2  | 333.6  | 347.8  | 361.2  | 372.8  | 384.4  | 386.2  | 388.0  |
| 70°    | 311.3  | 307.7  | 304.1  | 303.2  | 305.9  | 317.5  | 329.1  | 337.1  | 344.3  | 347.8  | 350.5  |
| 72.5°  | 280.9  | 278.3  | 275.6  | 273.8  | 274.7  | 284.5  | 293.4  | 300.6  | 307.7  | 310.4  | 312.2  |
| 75°    | 247.0  | 247.0  | 246.2  | 240.8  | 240.8  | 248.8  | 256.0  | 262.2  | 268.5  | 272.0  | 275.6  |
| 77.5°  | 210.5  | 211.4  | 211.4  | 204.2  | 203.3  | 211.4  | 218.5  | 223.9  | 228.3  | 231.9  | 234.6  |
| 80°    | 168.6  | 166.8  | 165.0  | 160.5  | 158.8  | 168.6  | 177.5  | 181.9  | 185.5  | 186.4  | 186.4  |
| 82.5°  | 129.3  | 125.8  | 121.3  | 111.5  | 112.4  | 123.1  | 132.9  | 136.5  | 140.0  | 140.0  | 140.0  |
| 85°    | 88.3   | 81.2   | 73.1   | 65.1   | 66.0   | 77.6   | 88.3   | 91.9   | 95.4   | 97.2   | 98.1   |
| 87.5°  | 41.9   | 34.8   | 26.8   | 20.5   | 20.5   | 30.3   | 39.2   | 41.0   | 42.8   | 46.4   | 49.9   |
| 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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CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

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CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°    | 270°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°     | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0 | 6796.0  | 6796.0  |
| 2.5°   | 6359.9 | 6436.6 | 6515.9 | 6595.3 | 6686.3 | 6777.3 | 6883.4 | 6988.6 | 7078.7 | 7168.8  | 7243.7  |
| 5°     | 5350.3 | 5472.5 | 5616.0 | 5759.6 | 5942.5 | 6125.3 | 6349.2 | 6572.1 | 6771.0 | 6969.9  | 7200.9  |
| 7.5°   | 4238.1 | 4396.9 | 4584.2 | 4771.5 | 5007.8 | 5244.1 | 5534.0 | 5823.9 | 6104.8 | 6384.8  | 6739.8  |
| 10°    | 3555.0 | 3721.7 | 3906.4 | 4090.1 | 4330.9 | 4570.8 | 4877.6 | 5183.5 | 5499.2 | 5814.0  | 6215.4  |
| 12.5°  | 3196.4 | 3381.0 | 3543.4 | 3705.7 | 3901.0 | 4095.4 | 4392.4 | 4689.4 | 5060.4 | 5430.5  | 5816.7  |
| 15°    | 2813.8 | 3015.4 | 3209.8 | 3404.2 | 3617.4 | 3829.7 | 4118.6 | 4407.6 | 4813.4 | 5219.2  | 5663.3  |
| 17.5°  | 2350.9 | 2563.2 | 2800.4 | 3036.8 | 3315.0 | 3592.4 | 3962.5 | 4332.7 | 4813.4 | 5293.2  | 5816.7  |
| 20°    | 1868.4 | 2085.2 | 2368.8 | 2652.4 | 2998.4 | 3343.6 | 3823.4 | 4303.2 | 4950.7 | 5597.3  | 6265.3  |
| 22.5°  | 1474.2 | 1665.1 | 1974.6 | 2283.2 | 2682.7 | 3082.3 | 3697.7 | 4312.1 | 5158.5 | 6004.0  | 6905.7  |
| 25°    | 1195.1 | 1329.8 | 1633.9 | 1937.1 | 2398.2 | 2859.3 | 3621.0 | 4381.7 | 5460.9 | 6539.1  | 7657.5  |
| 27.5°  | 1023.9 | 1112.2 | 1395.8 | 1678.5 | 2182.4 | 2685.4 | 3589.7 | 4493.2 | 5844.4 | 7195.5  | 8475.4  |
| 30°    | 938.2  | 999.8  | 1239.7 | 1478.7 | 1990.6 | 2502.6 | 3552.3 | 4602.0 | 6213.6 | 7824.3  | 9114.8  |
| 32.5°  | 866.9  | 915.9  | 1121.1 | 1325.3 | 1824.7 | 2324.2 | 3480.0 | 4635.0 | 6471.3 | 8307.7  | 9656.2  |
| 35°    | 806.2  | 847.3  | 1025.6 | 1204.0 | 1694.5 | 2185.1 | 3358.7 | 4532.4 | 6632.8 | 8733.1  | 10219.8 |
| 37.5°  | 757.2  | 789.3  | 954.3  | 1119.3 | 1582.2 | 2045.0 | 3220.5 | 4396.0 | 6776.4 | 9156.7  | 10854.0 |
| 40°    | 718.8  | 746.5  | 900.8  | 1055.1 | 1475.1 | 1895.2 | 3101.9 | 4307.7 | 6974.4 | 9641.0  | 11523.7 |
| 42.5°  | 697.4  | 733.1  | 854.4  | 974.8  | 1373.5 | 1772.1 | 3006.5 | 4240.8 | 7158.1 | 10074.5 | 12109.7 |
| 45°    | 692.1  | 742.9  | 830.3  | 917.7  | 1297.7 | 1677.6 | 2921.7 | 4165.0 | 7276.7 | 10388.4 | 12551.2 |
| 47.5°  | 683.2  | 725.1  | 811.6  | 898.1  | 1260.2 | 1621.4 | 2876.3 | 4130.2 | 7395.3 | 10659.5 | 12917.7 |
| 50°    | 688.5  | 693.9  | 796.4  | 898.1  | 1254.8 | 1611.6 | 2928.0 | 4244.4 | 7652.2 | 11059.1 | 13336.9 |
| 52.5°  | 678.7  | 655.5  | 767.9  | 880.3  | 1254.0 | 1627.6 | 3076.9 | 4526.2 | 8129.3 | 11731.5 | 13790.8 |
| 55°    | 627.0  | 596.7  | 714.4  | 832.1  | 1235.2 | 1637.5 | 3254.4 | 4870.5 | 8769.7 | 12668.0 | 14606.9 |
| 57.5°  | 581.5  | 553.8  | 653.7  | 752.7  | 1178.1 | 1603.6 | 3437.2 | 5270.0 | 9446.6 | 13622.3 | 15526.4 |
| 60°    | 520.8  | 514.6  | 586.0  | 657.3  | 1089.9 | 1521.5 | 3588.0 | 5653.5 | 9901.4 | 14148.5 | 15880.5 |
| 62.5°  | 470.9  | 474.5  | 527.1  | 579.7  | 979.3  | 1377.9 | 3637.9 | 5897.0 | 9889.0 | 13880.9 | 15523.7 |
| 65°    | 432.6  | 438.8  | 490.5  | 542.3  | 884.7  | 1227.2 | 3473.8 | 5719.5 | 9388.6 | 13056.8 | 14818.3 |
| 67.5°  | 395.1  | 402.2  | 463.8  | 524.4  | 800.9  | 1076.5 | 3063.5 | 5049.7 | 8488.7 | 11926.9 | 13921.1 |
| 70°    | 359.4  | 368.3  | 435.2  | 502.1  | 740.2  | 977.5  | 2534.7 | 4091.9 | 7362.3 | 10631.9 | 12882.0 |
| 72.5°  | 321.1  | 330.0  | 401.3  | 472.7  | 701.9  | 930.2  | 2066.4 | 3201.8 | 5974.6 | 8746.5  | 11018.9 |
| 75°    | 281.8  | 288.1  | 365.7  | 442.4  | 649.3  | 856.2  | 1621.4 | 2385.7 | 4572.6 | 6759.4  | 8322.8  |
| 77.5°  | 242.6  | 250.6  | 315.7  | 379.9  | 551.2  | 721.5  | 1221.8 | 1722.2 | 3355.2 | 4987.3  | 5788.2  |
| 80°    | 193.5  | 200.7  | 247.0  | 292.5  | 425.4  | 557.4  | 840.1  | 1122.9 | 2309.0 | 3495.2  | 3946.5  |
| 82.5°  | 148.0  | 156.1  | 187.3  | 217.6  | 303.2  | 388.9  | 509.3  | 629.7  | 1534.0 | 2437.5  | 2474.9  |
| 85°    | 101.7  | 104.3  | 126.6  | 148.0  | 187.3  | 226.5  | 291.6  | 356.7  | 1014.9 | 1673.1  | 1394.0  |
| 87.5°  | 50.8   | 50.8   | 66.0   | 81.2   | 100.8  | 120.4  | 154.3  | 187.3  | 324.6  | 462.0   | 265.8   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |



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 CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

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CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  |
| 2.5°   | 7339.1  | 7404.2  | 7470.2  | 7520.2  | 7571.0  | 7644.1  | 7717.3  | 7730.7  | 7744.9  | 7716.4  | 7687.8  |
| 5°     | 7433.7  | 7630.8  | 7828.8  | 8011.6  | 8194.4  | 8304.1  | 8413.8  | 8436.1  | 8458.4  | 8389.7  | 8320.2  |
| 7.5°   | 7083.2  | 7426.5  | 7769.9  | 8084.7  | 8399.5  | 8590.4  | 8782.2  | 8825.0  | 8868.7  | 8756.3  | 8643.9  |
| 10°    | 6614.9  | 7036.8  | 7458.6  | 7873.4  | 8288.1  | 8565.4  | 8842.8  | 8898.1  | 8953.4  | 8813.4  | 8673.3  |
| 12.5°  | 6252.8  | 6703.2  | 7153.6  | 7590.6  | 8028.5  | 8315.7  | 8602.9  | 8671.6  | 8740.2  | 8638.6  | 8536.0  |
| 15°    | 6141.4  | 6565.0  | 6988.6  | 7369.4  | 7751.2  | 7985.7  | 8221.2  | 8248.8  | 8277.4  | 8261.3  | 8245.3  |
| 17.5°  | 6343.8  | 6726.4  | 7109.9  | 7316.8  | 7524.6  | 7618.3  | 7712.8  | 7743.1  | 7774.4  | 7814.5  | 7855.5  |
| 20°    | 6834.3  | 7103.7  | 7373.9  | 7365.0  | 7355.2  | 7309.7  | 7263.3  | 7255.3  | 7247.3  | 7362.3  | 7478.3  |
| 22.5°  | 7566.6  | 7673.6  | 7781.5  | 7530.9  | 7280.3  | 7127.8  | 6974.4  | 6944.0  | 6912.8  | 7035.0  | 7158.1  |
| 25°    | 8361.2  | 8341.6  | 8321.1  | 7843.9  | 7365.9  | 7075.1  | 6784.4  | 6750.5  | 6716.6  | 6821.0  | 6926.2  |
| 27.5°  | 9147.8  | 9019.4  | 8891.0  | 8242.6  | 7594.2  | 7172.3  | 6750.5  | 6716.6  | 6682.7  | 6775.5  | 6868.2  |
| 30°    | 9724.9  | 9518.8  | 9312.8  | 8578.8  | 7844.8  | 7343.6  | 6842.4  | 6787.1  | 6730.9  | 6845.0  | 6959.2  |
| 32.5°  | 10175.2 | 9898.8  | 9622.3  | 8851.7  | 8081.2  | 7538.9  | 6996.7  | 6910.1  | 6823.6  | 6976.1  | 7128.6  |
| 35°    | 10624.7 | 10235.9 | 9846.1  | 9095.2  | 8343.4  | 7769.9  | 7195.5  | 7089.4  | 6983.3  | 7192.9  | 7402.4  |
| 37.5°  | 11190.2 | 10631.9 | 10072.7 | 9369.0  | 8665.3  | 8115.9  | 7565.7  | 7456.9  | 7348.0  | 7614.7  | 7882.3  |
| 40°    | 11803.8 | 11059.1 | 10314.4 | 9668.7  | 9023.0  | 8594.9  | 8165.9  | 8062.4  | 7958.1  | 8282.7  | 8607.4  |
| 42.5°  | 12313.9 | 11456.8 | 10599.8 | 10029.9 | 9459.1  | 9157.6  | 8855.3  | 8854.4  | 8852.6  | 9181.7  | 9510.8  |
| 45°    | 12728.6 | 11788.6 | 10847.7 | 10382.2 | 9915.7  | 9758.7  | 9601.8  | 9727.5  | 9853.3  | 10150.3 | 10448.2 |
| 47.5°  | 13038.1 | 12066.9 | 11094.8 | 10785.3 | 10475.8 | 10499.0 | 10522.2 | 10778.1 | 11034.1 | 11225.0 | 11416.7 |
| 50°    | 13239.7 | 12319.3 | 11398.0 | 11302.6 | 11207.1 | 11414.9 | 11623.6 | 11917.0 | 12211.4 | 12341.6 | 12471.8 |
| 52.5°  | 13533.1 | 12661.8 | 11789.5 | 11896.5 | 12003.6 | 12428.1 | 12852.6 | 13149.6 | 13446.6 | 13494.8 | 13543.8 |
| 55°    | 14211.8 | 13291.4 | 12370.1 | 12575.2 | 12781.3 | 13403.8 | 14027.2 | 14259.1 | 14491.0 | 14508.8 | 14526.6 |
| 57.5°  | 15175.9 | 14173.5 | 13171.0 | 13392.2 | 13613.4 | 14332.2 | 15051.9 | 15301.7 | 15552.3 | 15517.5 | 15481.8 |
| 60°    | 15897.4 | 15010.9 | 14123.5 | 14346.5 | 14569.4 | 15270.4 | 15971.4 | 16258.6 | 16546.7 | 16470.0 | 16393.3 |
| 62.5°  | 15942.0 | 15468.4 | 14994.0 | 15195.5 | 15398.0 | 16084.7 | 16771.4 | 17066.7 | 17361.9 | 17228.1 | 17094.3 |
| 65°    | 15233.0 | 15445.3 | 15657.5 | 15724.4 | 15791.3 | 16431.7 | 17072.9 | 17298.5 | 17525.1 | 17457.3 | 17389.5 |
| 67.5°  | 14256.4 | 15038.6 | 15821.6 | 15686.9 | 15552.3 | 15852.8 | 16153.4 | 16386.2 | 16618.9 | 16580.6 | 16541.3 |
| 70°    | 13281.6 | 14326.0 | 15370.3 | 14708.6 | 14045.9 | 13922.0 | 13798.0 | 14048.6 | 14300.1 | 14144.9 | 13988.8 |
| 72.5°  | 11621.8 | 12734.9 | 13848.8 | 12629.6 | 11410.5 | 10986.8 | 10563.2 | 10881.6 | 11200.0 | 10952.9 | 10705.0 |
| 75°    | 9122.8  | 10352.7 | 11583.5 | 10128.9 | 8674.2  | 8108.8  | 7543.4  | 7817.2  | 8091.0  | 7921.5  | 7751.2  |
| 77.5°  | 6791.5  | 8003.6  | 9215.6  | 7736.9  | 6257.3  | 5837.2  | 5416.3  | 5497.4  | 5579.5  | 5550.9  | 5521.5  |
| 80°    | 4606.5  | 5451.1  | 6296.5  | 5311.9  | 4327.3  | 4359.4  | 4392.4  | 4354.1  | 4314.8  | 4371.9  | 4429.0  |
| 82.5°  | 2939.6  | 3591.5  | 4244.4  | 3721.7  | 3199.1  | 3498.8  | 3798.4  | 3651.3  | 3503.2  | 3557.6  | 3612.9  |
| 85°    | 1677.6  | 2315.3  | 2953.8  | 2753.2  | 2551.6  | 2726.4  | 2902.1  | 2673.8  | 2445.5  | 2545.4  | 2646.2  |
| 87.5°  | 442.4   | 1280.7  | 2120.0  | 1924.6  | 1729.3  | 1502.8  | 1276.3  | 973.9   | 671.6   | 981.0   | 1290.5  |
| 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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 CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

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CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  | 6796.0  |
| 2.5°   | 7672.7  | 7657.5  | 7603.1  | 7547.8  | 7465.8  | 7398.0  | 7280.3  |
| 5°     | 8223.9  | 8127.5  | 7961.6  | 7794.9  | 7609.4  | 7396.2  | 7159.9  |
| 7.5°   | 8419.2  | 8193.5  | 7875.1  | 7555.8  | 7268.7  | 6931.5  | 6617.6  |
| 10°    | 8336.2  | 7998.2  | 7584.4  | 7169.7  | 6821.0  | 6433.0  | 6084.3  |
| 12.5°  | 8177.5  | 7818.1  | 7362.3  | 6905.7  | 6508.8  | 6092.3  | 5701.7  |
| 15°    | 7959.0  | 7671.8  | 7244.6  | 6817.4  | 6417.8  | 6012.9  | 5550.1  |
| 17.5°  | 7720.0  | 7583.5  | 7274.9  | 6965.4  | 6619.4  | 6227.0  | 5683.8  |
| 20°    | 7527.3  | 7577.3  | 7454.2  | 7331.1  | 7053.7  | 6711.3  | 6101.2  |
| 22.5°  | 7397.1  | 7637.0  | 7731.5  | 7827.0  | 7660.2  | 7392.6  | 6687.2  |
| 25°    | 7324.0  | 7721.7  | 8038.3  | 8355.8  | 8281.8  | 8075.8  | 7398.9  |
| 27.5°  | 7356.1  | 7843.9  | 8335.3  | 8827.6  | 8896.3  | 8839.2  | 8148.9  |
| 30°    | 7452.4  | 7946.5  | 8544.9  | 9144.3  | 9418.1  | 9494.8  | 8774.1  |
| 32.5°  | 7612.9  | 8097.2  | 8749.2  | 9402.0  | 9815.8  | 10060.2 | 9345.8  |
| 35°    | 7855.5  | 8308.6  | 8988.2  | 9667.8  | 10202.9 | 10648.8 | 9936.2  |
| 37.5°  | 8272.0  | 8661.8  | 9288.7  | 9916.6  | 10610.5 | 11280.3 | 10586.4 |
| 40°    | 8882.0  | 9157.6  | 9687.4  | 10218.1 | 11091.2 | 11995.5 | 11311.5 |
| 42.5°  | 9651.7  | 9793.5  | 10213.6 | 10633.7 | 11593.3 | 12644.8 | 12020.5 |
| 45°    | 10485.6 | 10523.1 | 10787.1 | 11051.9 | 11991.1 | 13087.2 | 12552.9 |
| 47.5°  | 11288.3 | 11159.9 | 11265.1 | 11370.3 | 12296.1 | 13402.9 | 12957.0 |
| 50°    | 12114.2 | 11756.5 | 11701.2 | 11645.9 | 12601.1 | 13774.8 | 13470.7 |
| 52.5°  | 12954.3 | 12364.8 | 12146.3 | 11926.9 | 12965.0 | 14268.0 | 14110.1 |
| 55°    | 13776.6 | 13026.5 | 12732.2 | 12437.9 | 13521.5 | 14870.0 | 15049.3 |
| 57.5°  | 14631.9 | 13781.9 | 13509.0 | 13236.1 | 14339.3 | 15632.5 | 15892.1 |
| 60°    | 15552.3 | 14710.4 | 14491.9 | 14272.5 | 15356.1 | 16456.6 | 16267.5 |
| 62.5°  | 16425.4 | 15756.5 | 15641.5 | 15525.5 | 16384.4 | 17089.8 | 16121.3 |
| 65°    | 17008.7 | 16627.0 | 16734.0 | 16841.9 | 17162.1 | 17247.7 | 15693.2 |
| 67.5°  | 16618.9 | 16696.5 | 17148.7 | 17601.8 | 17381.5 | 16778.6 | 14849.5 |
| 70°    | 14453.5 | 14919.1 | 15990.2 | 17062.2 | 16573.5 | 15522.0 | 13335.1 |
| 72.5°  | 11227.6 | 11751.2 | 13341.4 | 14932.4 | 14482.0 | 13194.2 | 10952.9 |
| 75°    | 8341.6  | 8932.9  | 10688.1 | 12443.2 | 11818.1 | 9869.3  | 7842.1  |
| 77.5°  | 5917.5  | 6313.5  | 8046.4  | 9780.1  | 8760.8  | 6569.4  | 5277.1  |
| 80°    | 4307.7  | 4186.4  | 5152.3  | 6118.2  | 5948.7  | 4345.1  | 3389.1  |
| 82.5°  | 3316.8  | 3020.7  | 3475.6  | 3930.4  | 3905.5  | 3015.4  | 2486.5  |
| 85°    | 2527.5  | 2408.9  | 2811.1  | 3213.4  | 2869.1  | 2042.4  | 1580.4  |
| 87.5°  | 1473.4  | 1657.1  | 2130.7  | 2605.1  | 1955.0  | 619.8   | 306.8   |
| 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: P320590  
 CATALOG NUMBER: GLEON-SA6A-730-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

LM-79-2008: Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

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

Test Date: 10/03/2019

Luminaire Tested: SA1C-730-U-5WQ

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

### Test Information

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

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

### Spectral Parameters

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



### Test Conditions

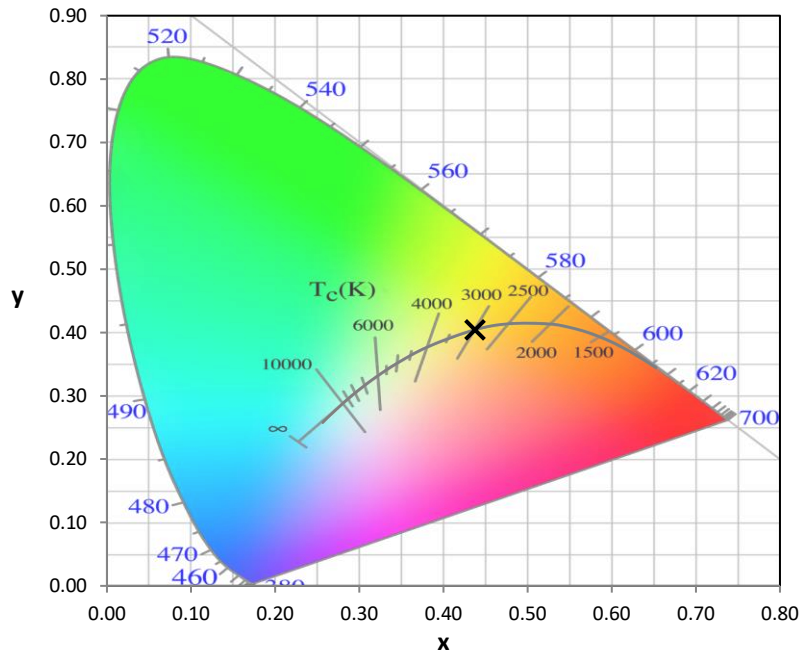
Stabilization Time: 53M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

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

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

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

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 3000K 4-step quadrangle

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

**Photopic Flux vs. Wavelength**



#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

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

Scotopic Flux vs. Wavelength



Scotopic Lumens: 8494.8

S/P: 1.23

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

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

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 3101.5**

**M/P: 0.45**

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 2397             | NR               | 490       | 24908            | NR               | 620       | 118784           | NR               | 750       | 5037             | NR               | 880       | 2677             | NR               |
| 365       | 2084             | NR               | 495       | 30998            | NR               | 625       | 108951           | NR               | 755       | 4413             | NR               | 885       | 2940             | NR               |
| 370       | 2143             | NR               | 500       | 37103            | NR               | 630       | 99573            | NR               | 760       | 4189             | NR               | 890       | 3116             | NR               |
| 375       | 2413             | NR               | 505       | 42987            | NR               | 635       | 90444            | NR               | 765       | 3677             | NR               | 895       | 3345             | NR               |
| 380       | 2172             | NR               | 510       | 48702            | NR               | 640       | 80749            | NR               | 770       | 3366             | NR               | 900       | 2312             | NR               |
| 385       | 1997             | NR               | 515       | 53741            | NR               | 645       | 71664            | NR               | 775       | 3211             | NR               | 905       | 2829             | NR               |
| 390       | 1830             | NR               | 520       | 57283            | NR               | 650       | 63936            | NR               | 780       | 2682             | NR               | 910       | 2783             | NR               |
| 395       | 1861             | NR               | 525       | 61876            | NR               | 655       | 56611            | NR               | 785       | 2804             | NR               | 915       | 2662             | NR               |
| 400       | 1717             | NR               | 530       | 65398            | NR               | 660       | 49763            | NR               | 790       | 2581             | NR               | 920       | 3047             | NR               |
| 405       | 1761             | NR               | 535       | 69597            | NR               | 665       | 42891            | NR               | 795       | 2711             | NR               | 925       | 2256             | NR               |
| 410       | 2680             | NR               | 540       | 74214            | NR               | 670       | 36939            | NR               | 800       | 2609             | NR               | 930       | 2976             | NR               |
| 415       | 4374             | NR               | 545       | 79911            | NR               | 675       | 31946            | NR               | 805       | 2581             | NR               | 935       | 3503             | NR               |
| 420       | 8071             | NR               | 550       | 86153            | NR               | 680       | 27385            | NR               | 810       | 2404             | NR               | 940       | 4226             | NR               |
| 425       | 15169            | NR               | 555       | 93952            | NR               | 685       | 23504            | NR               | 815       | 2556             | NR               | 945       | 2930             | NR               |
| 430       | 26038            | NR               | 560       | 102904           | NR               | 690       | 20210            | NR               | 820       | 2742             | NR               | 950       | 2115             | NR               |
| 435       | 41316            | NR               | 565       | 112009           | NR               | 695       | 17459            | NR               | 825       | 2014             | NR               | 955       | 2634             | NR               |
| 440       | 59674            | NR               | 570       | 121662           | NR               | 700       | 15207            | NR               | 830       | 2488             | NR               | 960       | 4200             | NR               |
| 445       | 72751            | NR               | 575       | 130476           | NR               | 705       | 13322            | NR               | 835       | 2625             | NR               | 965       | 1982             | NR               |
| 450       | 65091            | NR               | 580       | 137926           | NR               | 710       | 11676            | NR               | 840       | 2754             | NR               | 970       | 3613             | NR               |
| 455       | 44894            | NR               | 585       | 143406           | NR               | 715       | 10626            | NR               | 845       | 2708             | NR               | 975       | 4034             | NR               |
| 460       | 32712            | NR               | 590       | 147039           | NR               | 720       | 9416             | NR               | 850       | 2608             | NR               | 980       | 3922             | NR               |
| 465       | 25296            | NR               | 595       | 147365           | NR               | 725       | 8333             | NR               | 855       | 2605             | NR               | 985       | 1909             | NR               |
| 470       | 19318            | NR               | 600       | 145800           | NR               | 730       | 7134             | NR               | 860       | 1765             | NR               | 990       | 3617             | NR               |
| 475       | 17265            | NR               | 605       | 141363           | NR               | 735       | 6437             | NR               | 865       | 2581             | NR               | 995       | 4767             | NR               |
| 480       | 18260            | NR               | 610       | 134199           | NR               | 740       | 5834             | NR               | 870       | 3016             | NR               | 1000      | 2528             | NR               |
| 485       | 20845            | NR               | 615       | 127683           | NR               | 745       | 5500             | NR               | 875       | 3952             | NR               |           |                  |                  |

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### Summary

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



### Color Vector Graphics



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

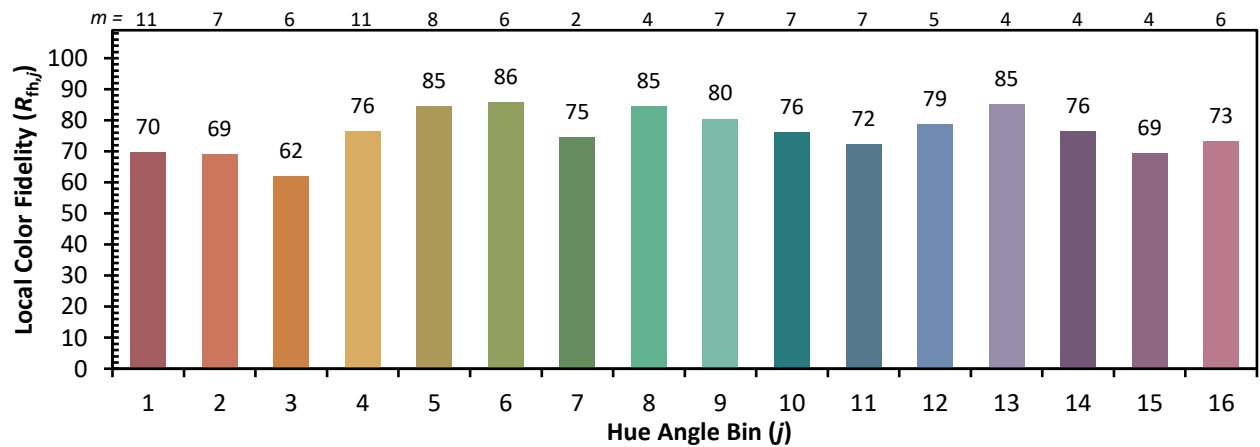
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 67 | CES51 = 87 | CES76 = 63 |
| CES02 = 63 | CES27 = 88 | CES52 = 86 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 78 | CES78 = 67 |
| CES04 = 71 | CES29 = 66 | CES54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



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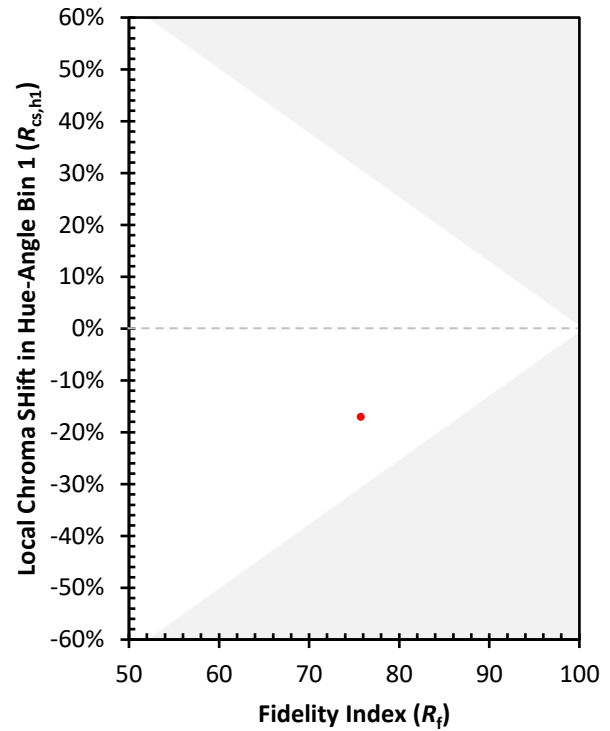
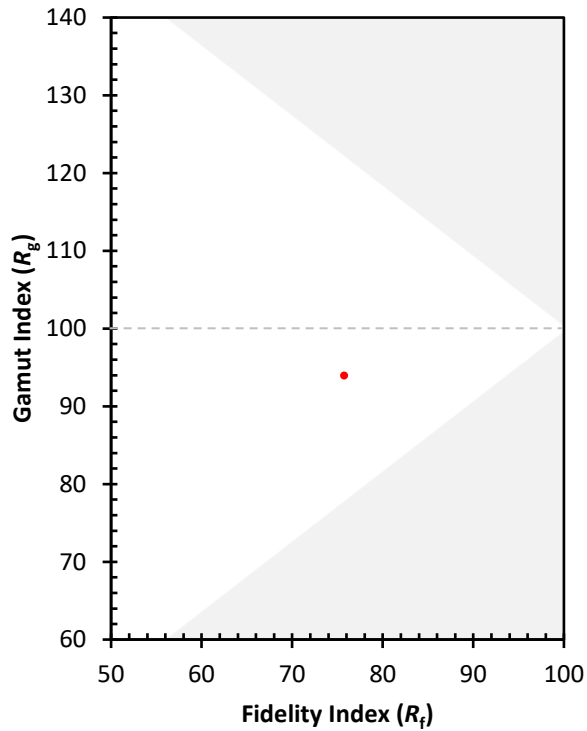
**Color Rendition by Hue-Angle Bin**



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**Measure Comparisons**



(END OF REPORT)