

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P320744

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

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P320744  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA0D-760-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5700K, 1200mA 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: 67490 lumens  
Efficiency: N/A  
Efficacy: 105.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

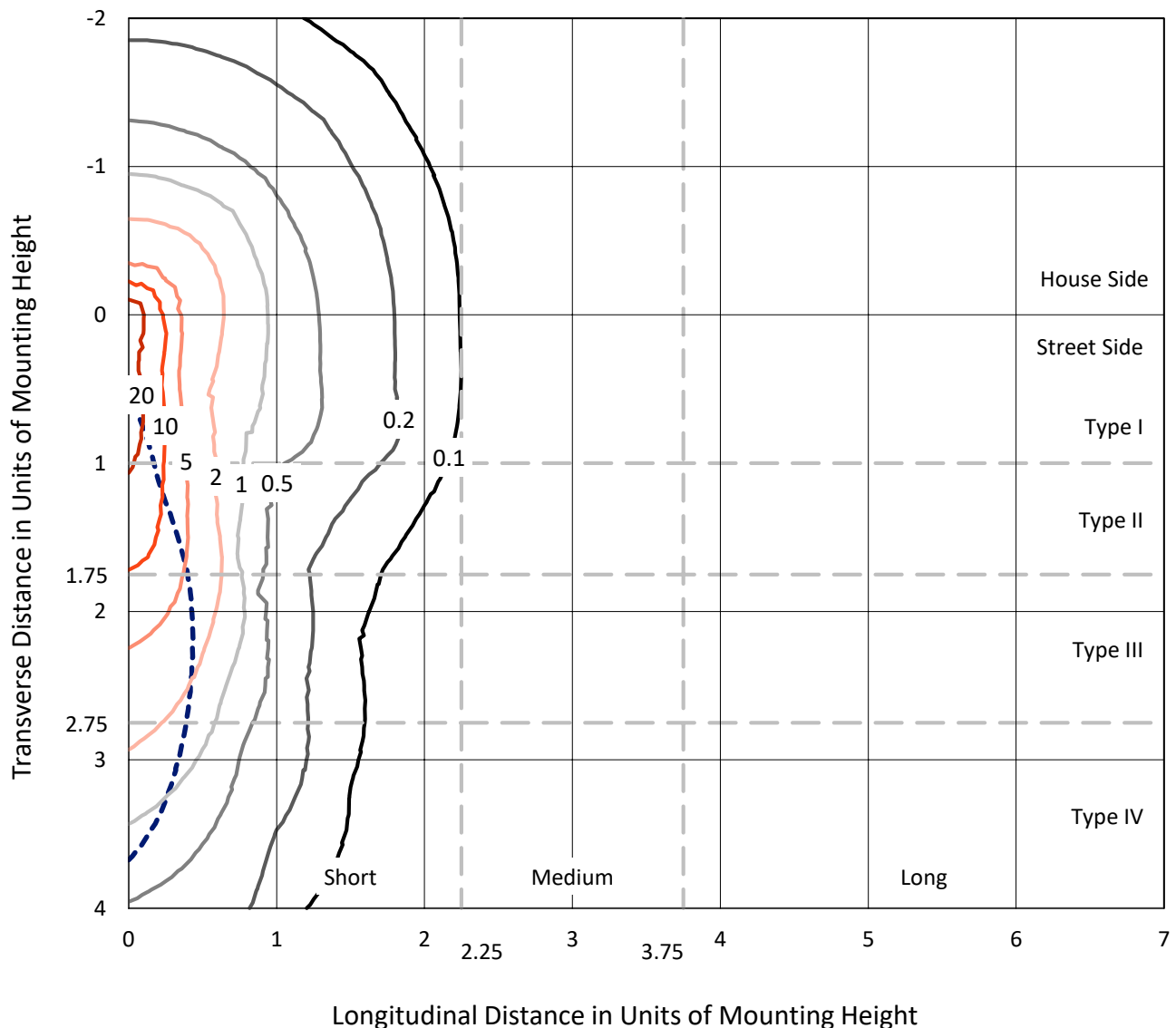
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

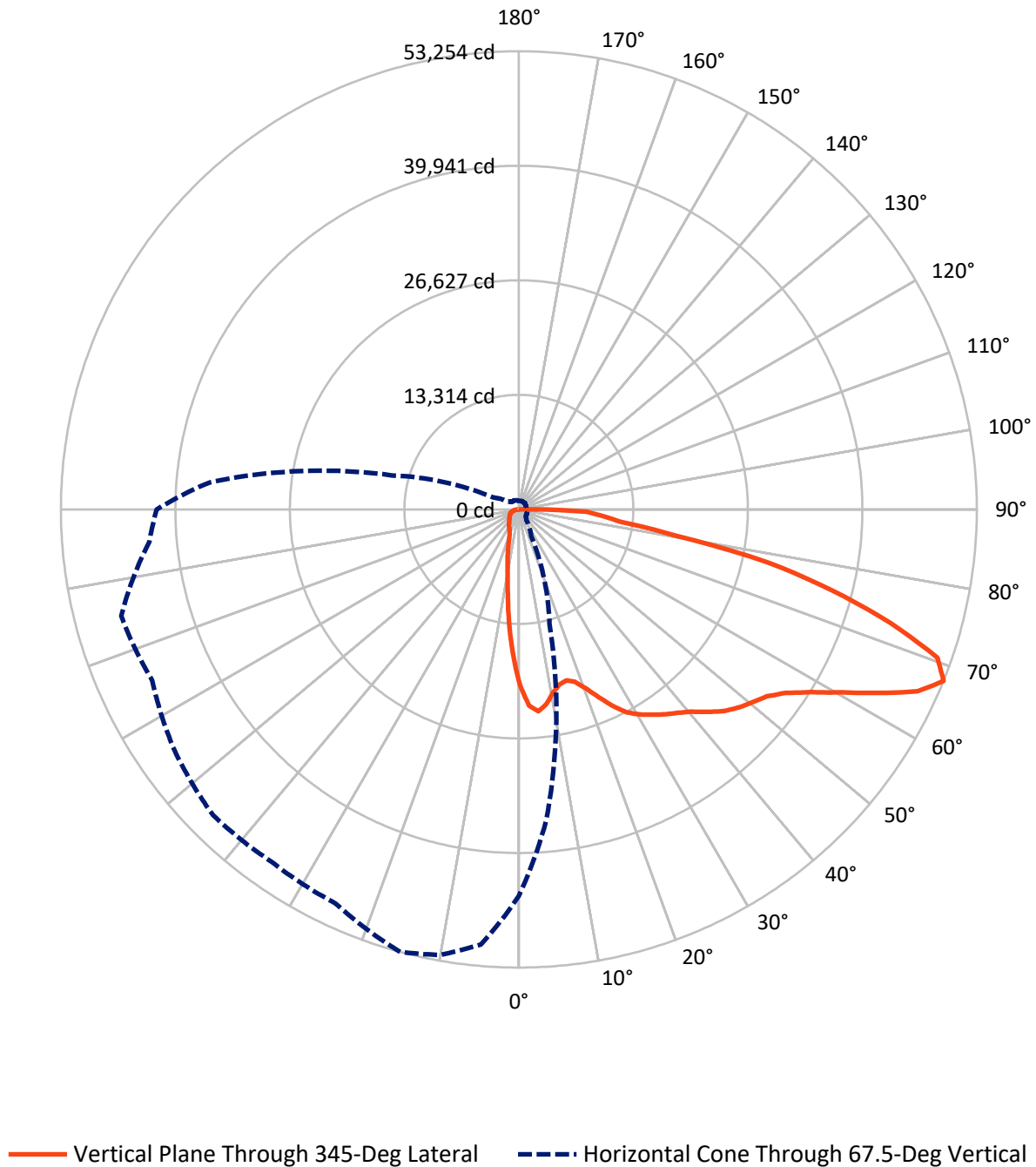
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 32.9 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    | 11667.6  | 0.0    | 11667.6 |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 55822.4  | 0.0    | 55822.4 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 67490.0  | 0.0    | 67490.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1586.9  | 2.4       |
| 10°-20°   | 3296.5  | 4.9       |
| 20°-30°   | 4688.4  | 6.9       |
| 30°-40°   | 6756.0  | 10.0      |
| 40°-50°   | 9521.1  | 14.1      |
| 50°-60°   | 13236.0 | 19.6      |
| 60°-70°   | 16006.2 | 23.7      |
| 70°-80°   | 9838.8  | 14.6      |
| 80°-90°   | 2560.1  | 3.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 67490.0 | 100.0     |
| 0°-180°   | 67490.0 | 100.0     |

**Coefficient of Utilization**



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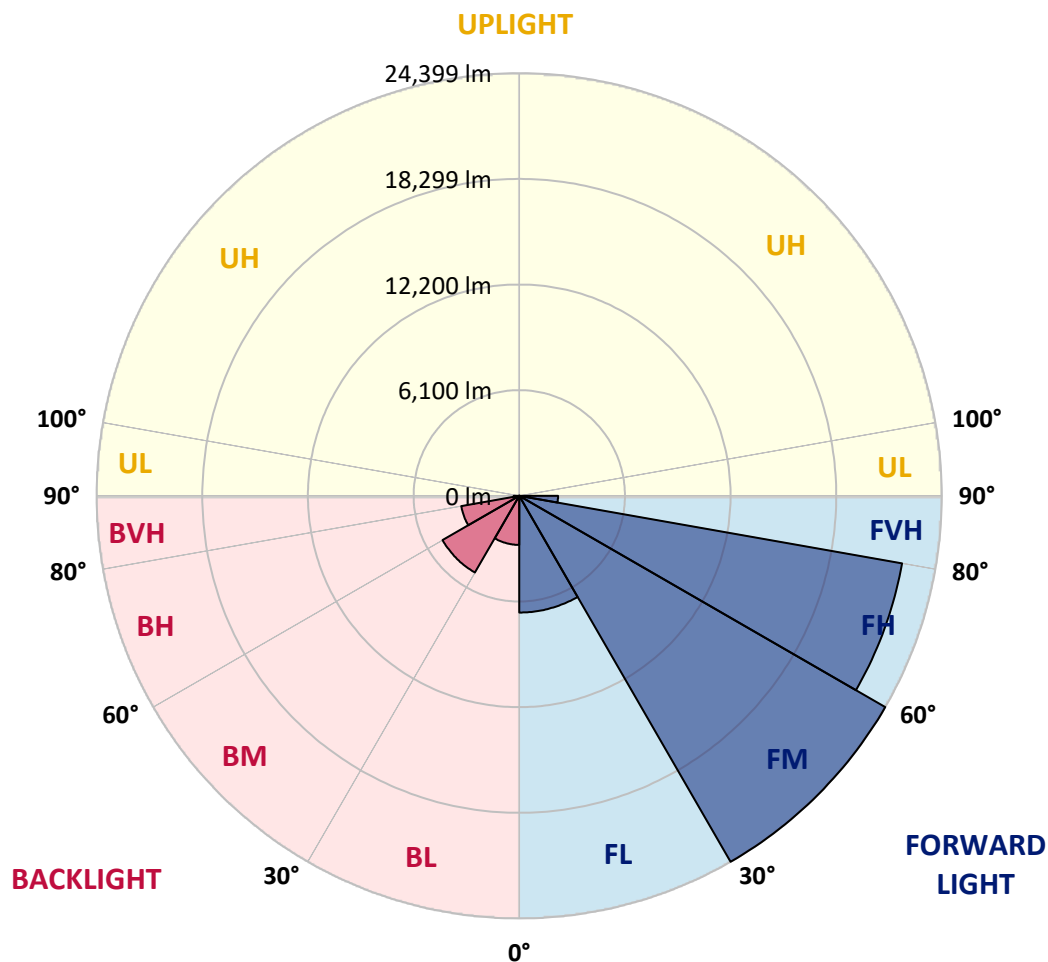
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|---------|-----------|-------------------------|------|---------|
|      |             |         |           | B                       | U    | G       |
| FL   | (0°-30°)    | 6739.0  | 10.0      |                         |      |         |
| FM   | (30°-60°)   | 24399.3 | 36.2      |                         |      |         |
| FH   | (60°-80°)   | 22444.9 | 33.3      |                         |      | G5      |
| FVH  | (80°-90°)   | 2239.2  | 3.3       |                         |      | G5      |
| BL   | (0°-30°)    | 2832.8  | 4.2       | B4/5000                 |      |         |
| BM   | (30°-60°)   | 5113.7  | 7.6       | B4/8500                 |      |         |
| BH   | (60°-80°)   | 3400.1  | 5.0       | B4/5000                 |      | G4/5000 |
| BVH  | (80°-90°)   | 320.9   | 0.5       |                         |      | G3/500  |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |         |

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

Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 22026.5 | 21832.2 | 21538.1 | 21244.0 | 21025.4 | 20804.1 | 20553.2 | 20302.3 | 20016.2 | 19727.5 | 19557.5 |
| 5°     | 21662.2 | 21122.5 | 20421.0 | 19719.4 | 19255.3 | 18791.2 | 18265.0 | 17738.8 | 17218.1 | 16697.3 | 16416.7 |
| 7.5°   | 20021.6 | 19212.1 | 18300.1 | 17388.1 | 16713.5 | 16036.2 | 15307.6 | 14576.4 | 13928.8 | 13278.5 | 12876.4 |
| 10°    | 18408.0 | 17436.6 | 16389.7 | 15340.0 | 14476.6 | 13613.1 | 12881.8 | 12147.9 | 11659.5 | 11171.1 | 10801.4 |
| 12.5°  | 17250.4 | 16173.8 | 15021.6 | 13866.7 | 13003.3 | 12139.8 | 11675.7 | 11211.6 | 10806.8 | 10402.1 | 9975.7  |
| 15°    | 16791.7 | 15574.8 | 14395.6 | 13213.7 | 12428.5 | 11643.3 | 11127.9 | 10609.8 | 10067.5 | 9522.4  | 8998.9  |
| 17.5°  | 17196.5 | 15771.8 | 14490.0 | 13208.3 | 12180.3 | 11152.2 | 10431.8 | 9708.6  | 8993.5  | 8278.5  | 7671.4  |
| 20°    | 18459.3 | 16640.6 | 14965.0 | 13286.6 | 11918.5 | 10550.5 | 9584.5  | 8615.8  | 7698.3  | 6780.9  | 6092.8  |
| 22.5°  | 20232.1 | 17825.2 | 15636.8 | 13448.5 | 11681.1 | 9911.0  | 8699.4  | 7485.2  | 6400.4  | 5315.7  | 4641.1  |
| 25°    | 22385.4 | 19395.6 | 16605.5 | 13812.8 | 11583.9 | 9352.4  | 7862.9  | 6373.5  | 5229.4  | 4082.6  | 3602.3  |
| 27.5°  | 24654.7 | 21268.3 | 17809.0 | 14347.0 | 11600.1 | 8853.2  | 7158.7  | 5461.4  | 4430.7  | 3399.9  | 3070.7  |
| 30°    | 26546.2 | 23408.0 | 19212.1 | 15013.5 | 11662.2 | 8310.9  | 6494.9  | 4678.9  | 3828.9  | 2979.0  | 2765.8  |
| 32.5°  | 28275.8 | 24900.2 | 20269.9 | 15636.8 | 11732.4 | 7825.2  | 5982.2  | 4136.5  | 3443.1  | 2746.9  | 2571.5  |
| 35°    | 30062.1 | 26225.1 | 21009.2 | 15790.6 | 11610.9 | 7428.5  | 5631.4  | 3834.3  | 3194.8  | 2552.6  | 2404.2  |
| 37.5°  | 32029.2 | 27657.9 | 21721.6 | 15782.5 | 11405.9 | 7029.2  | 5358.9  | 3685.9  | 3032.9  | 2377.2  | 2269.3  |
| 40°    | 34223.0 | 29241.8 | 22493.3 | 15744.8 | 11219.7 | 6691.9  | 5156.5  | 3618.5  | 2943.9  | 2266.6  | 2174.9  |
| 42.5°  | 36368.1 | 30752.9 | 23211.1 | 15669.2 | 11068.6 | 6465.2  | 4956.8  | 3448.5  | 2862.9  | 2274.7  | 2145.2  |
| 45°    | 37979.0 | 32072.4 | 23834.4 | 15593.7 | 10955.2 | 6316.8  | 4800.3  | 3283.9  | 2787.4  | 2290.9  | 2126.3  |
| 47.5°  | 39201.4 | 33397.3 | 24525.1 | 15650.3 | 10944.4 | 6238.5  | 4689.7  | 3140.9  | 2644.4  | 2145.2  | 2077.7  |
| 50°    | 40755.6 | 34989.3 | 25531.6 | 16074.0 | 11092.8 | 6111.7  | 4560.2  | 3005.9  | 2506.8  | 2007.6  | 2099.3  |
| 52.5°  | 42690.3 | 37261.3 | 27091.3 | 16918.5 | 11403.2 | 5887.8  | 4355.1  | 2822.5  | 2339.5  | 1853.8  | 1996.8  |
| 55°    | 45531.7 | 40172.8 | 29085.3 | 17995.2 | 11778.2 | 5558.6  | 4044.8  | 2528.3  | 2118.2  | 1705.3  | 1832.2  |
| 57.5°  | 48081.6 | 43114.0 | 30998.4 | 18880.2 | 12013.0 | 5143.0  | 3653.5  | 2164.1  | 1869.9  | 1575.8  | 1648.7  |
| 60°    | 49217.6 | 44630.4 | 31894.3 | 19155.5 | 11872.7 | 4589.9  | 3213.7  | 1834.9  | 1651.4  | 1467.9  | 1454.4  |
| 62.5°  | 48775.1 | 43667.1 | 31011.9 | 18356.8 | 11187.3 | 4017.8  | 2825.2  | 1632.5  | 1494.9  | 1354.6  | 1324.9  |
| 65°    | 47479.9 | 40639.6 | 28540.3 | 16440.9 | 10029.7 | 3618.5  | 2579.6  | 1540.7  | 1386.9  | 1233.1  | 1200.8  |
| 67.5°  | 44927.2 | 36330.4 | 25037.8 | 13745.3 | 8559.1  | 3372.9  | 2439.3  | 1505.7  | 1319.5  | 1130.6  | 1092.8  |
| 70°    | 40345.5 | 31144.2 | 21003.8 | 10860.8 | 7042.6  | 3221.8  | 2347.5  | 1473.3  | 1246.6  | 1017.3  | 982.2   |
| 72.5°  | 33138.2 | 24970.4 | 16772.8 | 8572.6  | 5887.8  | 3202.9  | 2336.8  | 1470.6  | 1187.3  | 903.9   | 871.6   |
| 75°    | 23726.4 | 18966.6 | 12803.6 | 6637.9  | 4821.9  | 3005.9  | 2218.0  | 1430.1  | 1106.3  | 779.8   | 750.1   |
| 77.5°  | 15966.0 | 13127.4 | 8899.1  | 4668.1  | 3578.0  | 2487.9  | 1864.5  | 1241.2  | 947.1   | 653.0   | 623.3   |
| 80°    | 10253.7 | 9085.3  | 5963.3  | 2841.3  | 2320.6  | 1799.8  | 1333.0  | 866.2   | 690.8   | 512.7   | 488.4   |
| 82.5°  | 7523.0  | 6762.0  | 4144.6  | 1527.3  | 1289.8  | 1049.7  | 814.9   | 580.1   | 472.2   | 364.3   | 353.5   |
| 85°    | 4781.4  | 5272.5  | 3051.8  | 831.1   | 680.0   | 528.9   | 437.1   | 345.4   | 272.5   | 199.7   | 199.7   |
| 87.5°  | 928.2   | 1284.4  | 844.6   | 402.1   | 294.1   | 186.2   | 159.2   | 129.5   | 72.9    | 13.5    | 16.2    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

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

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**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 19384.8 | 19198.6 | 19012.5 | 18802.0 | 18588.8 | 18391.8 | 18192.2 | 17973.6 | 18014.1 | 17846.8 | 17679.5 |
| 5°     | 16136.0 | 15839.2 | 15539.7 | 15280.7 | 15021.6 | 14797.7 | 14571.0 | 14368.6 | 14544.0 | 14425.3 | 14306.6 |
| 7.5°   | 12471.7 | 12104.7 | 11735.0 | 11424.7 | 11114.4 | 10874.3 | 10631.4 | 10464.1 | 10636.8 | 10615.2 | 10593.7 |
| 10°    | 10431.8 | 10075.6 | 9716.7  | 9374.0  | 9031.3  | 8739.9  | 8445.8  | 8197.5  | 8154.4  | 8030.2  | 7903.4  |
| 12.5°  | 9546.7  | 9058.3  | 8567.2  | 8208.3  | 7849.5  | 7501.4  | 7153.3  | 6861.9  | 6729.6  | 6524.6  | 6316.8  |
| 15°    | 8475.5  | 7898.0  | 7320.6  | 6913.1  | 6503.0  | 6165.7  | 5825.7  | 5574.8  | 5491.1  | 5331.9  | 5172.7  |
| 17.5°  | 7064.2  | 6432.8  | 5801.4  | 5388.6  | 4973.0  | 4703.2  | 4430.7  | 4263.4  | 4263.4  | 4217.5  | 4171.6  |
| 20°    | 5404.8  | 4840.8  | 4276.9  | 3961.2  | 3645.4  | 3502.4  | 3356.7  | 3286.6  | 3308.2  | 3310.9  | 3310.9  |
| 22.5°  | 3963.9  | 3618.5  | 3273.1  | 3146.3  | 3016.7  | 2965.5  | 2914.2  | 2884.5  | 2895.3  | 2898.0  | 2900.7  |
| 25°    | 3122.0  | 2989.8  | 2854.8  | 2790.1  | 2722.6  | 2690.2  | 2657.9  | 2647.1  | 2671.3  | 2674.0  | 2674.0  |
| 27.5°  | 2741.5  | 2660.6  | 2576.9  | 2536.4  | 2493.3  | 2479.8  | 2466.3  | 2447.4  | 2471.7  | 2471.7  | 2469.0  |
| 30°    | 2549.9  | 2463.6  | 2377.2  | 2326.0  | 2274.7  | 2280.1  | 2282.8  | 2277.4  | 2293.6  | 2304.4  | 2312.5  |
| 32.5°  | 2393.4  | 2309.8  | 2226.1  | 2174.9  | 2120.9  | 2112.8  | 2104.7  | 2099.3  | 2134.4  | 2153.3  | 2172.2  |
| 35°    | 2253.1  | 2161.4  | 2069.6  | 2021.1  | 1972.5  | 1953.6  | 1934.7  | 1921.2  | 1953.6  | 1977.9  | 2002.2  |
| 37.5°  | 2158.7  | 2064.2  | 1967.1  | 1921.2  | 1872.6  | 1848.4  | 1824.1  | 1807.9  | 1821.4  | 1832.2  | 1843.0  |
| 40°    | 2083.1  | 1986.0  | 1886.1  | 1832.2  | 1778.2  | 1753.9  | 1729.6  | 1716.1  | 1724.2  | 1726.9  | 1729.6  |
| 42.5°  | 2013.0  | 1918.5  | 1824.1  | 1764.7  | 1702.6  | 1673.0  | 1643.3  | 1627.1  | 1632.5  | 1637.9  | 1640.6  |
| 45°    | 1961.7  | 1867.2  | 1770.1  | 1699.9  | 1627.1  | 1594.7  | 1562.3  | 1543.4  | 1546.1  | 1546.1  | 1546.1  |
| 47.5°  | 2010.3  | 1872.6  | 1732.3  | 1651.4  | 1567.7  | 1530.0  | 1492.2  | 1473.3  | 1467.9  | 1462.5  | 1457.1  |
| 50°    | 2188.3  | 1953.6  | 1716.1  | 1613.6  | 1508.4  | 1467.9  | 1424.7  | 1403.1  | 1389.6  | 1384.2  | 1378.8  |
| 52.5°  | 2137.1  | 1934.7  | 1729.6  | 1597.4  | 1462.5  | 1413.9  | 1365.4  | 1330.3  | 1316.8  | 1308.7  | 1300.6  |
| 55°    | 1956.3  | 1829.5  | 1699.9  | 1540.7  | 1381.5  | 1338.4  | 1292.5  | 1268.2  | 1243.9  | 1238.5  | 1233.1  |
| 57.5°  | 1718.8  | 1667.6  | 1616.3  | 1454.4  | 1292.5  | 1252.0  | 1208.9  | 1192.7  | 1171.1  | 1171.1  | 1168.4  |
| 60°    | 1438.2  | 1513.8  | 1589.3  | 1403.1  | 1214.2  | 1168.4  | 1122.5  | 1109.0  | 1100.9  | 1098.2  | 1095.5  |
| 62.5°  | 1292.5  | 1416.6  | 1538.0  | 1341.1  | 1141.4  | 1092.8  | 1044.3  | 1028.1  | 1025.4  | 1028.1  | 1028.1  |
| 65°    | 1168.4  | 1206.2  | 1243.9  | 1152.2  | 1060.4  | 1011.9  | 960.6   | 944.4   | 949.8   | 957.9   | 966.0   |
| 67.5°  | 1055.0  | 1047.0  | 1038.9  | 1006.5  | 971.4   | 930.9   | 887.8   | 871.6   | 874.3   | 885.1   | 895.8   |
| 70°    | 947.1   | 936.3   | 922.8   | 898.5   | 874.3   | 839.2   | 804.1   | 793.3   | 790.6   | 804.1   | 814.9   |
| 72.5°  | 839.2   | 825.7   | 809.5   | 790.6   | 769.0   | 739.3   | 709.7   | 701.6   | 704.3   | 712.4   | 720.5   |
| 75°    | 720.5   | 709.7   | 696.2   | 680.0   | 661.1   | 634.1   | 607.1   | 601.7   | 607.1   | 615.2   | 623.3   |
| 77.5°  | 590.9   | 588.2   | 582.8   | 569.3   | 555.9   | 526.2   | 493.8   | 491.1   | 499.2   | 507.3   | 512.7   |
| 80°    | 461.4   | 464.1   | 466.8   | 456.0   | 445.2   | 412.8   | 377.8   | 375.1   | 383.2   | 391.3   | 399.4   |
| 82.5°  | 340.0   | 348.1   | 353.5   | 340.0   | 326.5   | 288.7   | 250.9   | 245.5   | 272.5   | 280.6   | 288.7   |
| 85°    | 197.0   | 207.8   | 218.6   | 207.8   | 197.0   | 159.2   | 121.4   | 118.7   | 143.0   | 156.5   | 170.0   |
| 87.5°  | 16.2    | 21.6    | 27.0    | 24.3    | 21.6    | 10.8    | 0.0     | 0.0     | 2.7     | 13.5    | 24.3    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320744  
 CATALOG NUMBER: GLEON-SA0D-760-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: P320744

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

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 17574.2 | 17469.0 | 17436.6 | 17404.2 | 17285.5 | 17164.1 | 17288.2 | 17409.6 | 17460.9 | 17512.2 | 17380.0 |
| 5°     | 14290.4 | 14271.5 | 14271.5 | 14268.8 | 14160.9 | 14050.2 | 14133.9 | 14214.8 | 14034.0 | 13853.2 | 13834.4 |
| 7.5°   | 10709.7 | 10825.7 | 10920.2 | 11011.9 | 10976.8 | 10941.7 | 11020.0 | 11098.2 | 10868.9 | 10636.8 | 10523.5 |
| 10°    | 7930.4  | 7954.7  | 8057.2  | 8159.8  | 8184.0  | 8205.6  | 8302.8  | 8397.2  | 8219.1  | 8041.0  | 7962.8  |
| 12.5°  | 6187.3  | 6057.8  | 6071.2  | 6082.0  | 6130.6  | 6176.5  | 6279.0  | 6378.9  | 6306.0  | 6230.5  | 6238.5  |
| 15°    | 5010.8  | 4846.2  | 4778.7  | 4708.6  | 4762.6  | 4816.5  | 4889.4  | 4959.5  | 4962.2  | 4962.2  | 5032.4  |
| 17.5°  | 4090.7  | 4007.0  | 3939.6  | 3869.4  | 3942.3  | 4012.4  | 4020.5  | 4028.6  | 4031.3  | 4034.0  | 4028.6  |
| 20°    | 3351.3  | 3391.8  | 3370.2  | 3348.6  | 3375.6  | 3399.9  | 3421.5  | 3440.4  | 3416.1  | 3389.1  | 3321.6  |
| 22.5°  | 2938.5  | 2973.6  | 3000.5  | 3024.8  | 3070.7  | 3113.9  | 3092.3  | 3068.0  | 3019.4  | 2968.2  | 2916.9  |
| 25°    | 2698.3  | 2722.6  | 2749.6  | 2776.6  | 2814.4  | 2849.4  | 2811.7  | 2773.9  | 2738.8  | 2703.7  | 2668.7  |
| 27.5°  | 2496.0  | 2520.2  | 2544.5  | 2566.1  | 2601.2  | 2633.6  | 2598.5  | 2563.4  | 2533.7  | 2504.1  | 2477.1  |
| 30°    | 2331.4  | 2347.5  | 2366.4  | 2385.3  | 2417.7  | 2447.4  | 2417.7  | 2385.3  | 2363.7  | 2339.5  | 2320.6  |
| 32.5°  | 2191.0  | 2207.2  | 2215.3  | 2223.4  | 2253.1  | 2282.8  | 2261.2  | 2239.6  | 2220.7  | 2201.8  | 2188.3  |
| 35°    | 2037.2  | 2069.6  | 2075.0  | 2080.4  | 2110.1  | 2139.8  | 2126.3  | 2110.1  | 2088.5  | 2066.9  | 2042.6  |
| 37.5°  | 1880.7  | 1918.5  | 1940.1  | 1959.0  | 1988.7  | 2018.4  | 2004.9  | 1991.4  | 1961.7  | 1932.0  | 1888.8  |
| 40°    | 1748.5  | 1764.7  | 1805.2  | 1843.0  | 1891.5  | 1937.4  | 1910.4  | 1880.7  | 1834.9  | 1789.0  | 1767.4  |
| 42.5°  | 1637.9  | 1635.2  | 1673.0  | 1710.7  | 1783.6  | 1853.8  | 1805.2  | 1756.6  | 1713.4  | 1670.3  | 1664.9  |
| 45°    | 1540.7  | 1532.7  | 1551.5  | 1570.4  | 1648.7  | 1724.2  | 1675.7  | 1624.4  | 1600.1  | 1575.8  | 1575.8  |
| 47.5°  | 1454.4  | 1449.0  | 1462.5  | 1473.3  | 1521.9  | 1567.7  | 1543.4  | 1519.2  | 1505.7  | 1492.2  | 1494.9  |
| 50°    | 1376.1  | 1370.8  | 1384.2  | 1395.0  | 1413.9  | 1430.1  | 1435.5  | 1438.2  | 1430.1  | 1422.0  | 1427.4  |
| 52.5°  | 1303.3  | 1303.3  | 1308.7  | 1311.4  | 1335.7  | 1360.0  | 1360.0  | 1357.3  | 1357.3  | 1357.3  | 1362.7  |
| 55°    | 1241.2  | 1246.6  | 1246.6  | 1246.6  | 1284.4  | 1319.5  | 1308.7  | 1297.9  | 1300.6  | 1300.6  | 1306.0  |
| 57.5°  | 1179.2  | 1187.3  | 1192.7  | 1198.1  | 1235.8  | 1273.6  | 1262.8  | 1252.0  | 1252.0  | 1252.0  | 1254.7  |
| 60°    | 1109.0  | 1119.8  | 1130.6  | 1141.4  | 1179.2  | 1216.9  | 1206.2  | 1192.7  | 1195.4  | 1198.1  | 1200.8  |
| 62.5°  | 1041.6  | 1052.3  | 1063.1  | 1073.9  | 1111.7  | 1149.5  | 1138.7  | 1125.2  | 1133.3  | 1138.7  | 1138.7  |
| 65°    | 976.8   | 984.9   | 995.7   | 1006.5  | 1041.6  | 1076.6  | 1065.8  | 1055.0  | 1065.8  | 1073.9  | 1079.3  |
| 67.5°  | 903.9   | 909.3   | 920.1   | 930.9   | 966.0   | 1001.1  | 990.3   | 976.8   | 990.3   | 1001.1  | 1011.9  |
| 70°    | 820.3   | 825.7   | 839.2   | 850.0   | 885.1   | 920.1   | 906.6   | 893.1   | 906.6   | 920.1   | 930.9   |
| 72.5°  | 728.5   | 733.9   | 747.4   | 758.2   | 798.7   | 839.2   | 823.0   | 806.8   | 823.0   | 839.2   | 844.6   |
| 75°    | 628.7   | 634.1   | 650.3   | 663.8   | 704.3   | 744.7   | 731.2   | 715.1   | 728.5   | 742.0   | 744.7   |
| 77.5°  | 520.8   | 528.9   | 550.5   | 572.0   | 604.4   | 636.8   | 628.7   | 620.6   | 628.7   | 636.8   | 636.8   |
| 80°    | 407.4   | 415.5   | 442.5   | 466.8   | 485.7   | 504.6   | 507.3   | 510.0   | 512.7   | 515.4   | 512.7   |
| 82.5°  | 302.2   | 313.0   | 337.3   | 361.6   | 361.6   | 361.6   | 383.2   | 402.1   | 402.1   | 399.4   | 396.7   |
| 85°    | 186.2   | 199.7   | 221.3   | 242.8   | 229.4   | 215.9   | 250.9   | 283.3   | 283.3   | 280.6   | 275.2   |
| 87.5°  | 37.8    | 51.3    | 72.9    | 91.7    | 78.3    | 64.8    | 99.8    | 134.9   | 137.6   | 137.6   | 132.2   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320744  
 CATALOG NUMBER: GLEON-SA0D-760-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  |

REPORT NUMBER: P320744

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

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 17245.0 | 17455.5 | 17663.3 | 17717.3 | 17798.2 | 17833.3 | 17865.7 | 18130.1 | 18391.8 | 18699.4 | 19007.1 |
| 5°     | 13812.8 | 13969.3 | 14125.8 | 14150.1 | 14233.7 | 14276.9 | 14320.1 | 14641.2 | 14959.6 | 15388.6 | 15817.6 |
| 7.5°   | 10410.2 | 10447.9 | 10485.7 | 10480.3 | 10550.5 | 10644.9 | 10736.7 | 11079.4 | 11419.3 | 11880.8 | 12339.5 |
| 10°    | 7884.5  | 7970.9  | 8054.5  | 8132.8  | 8286.6  | 8464.7  | 8640.1  | 8990.8  | 9341.6  | 9797.6  | 10251.0 |
| 12.5°  | 6246.6  | 6346.5  | 6443.6  | 6530.0  | 6708.1  | 6945.5  | 7180.3  | 7601.2  | 8022.1  | 8567.2  | 9109.6  |
| 15°    | 5099.8  | 5091.8  | 5083.7  | 5143.0  | 5299.5  | 5558.6  | 5814.9  | 6260.1  | 6705.4  | 7304.4  | 7900.7  |
| 17.5°  | 4023.2  | 3982.7  | 3942.3  | 3988.1  | 4133.8  | 4347.0  | 4557.5  | 4935.3  | 5310.3  | 5890.5  | 6470.6  |
| 20°    | 3254.2  | 3227.2  | 3200.2  | 3243.4  | 3335.1  | 3424.2  | 3513.2  | 3785.8  | 4055.6  | 4527.8  | 4997.3  |
| 22.5°  | 2862.9  | 2860.2  | 2854.8  | 2879.1  | 2922.3  | 2968.2  | 3011.3  | 3143.6  | 3273.1  | 3578.0  | 3880.2  |
| 25°    | 2633.6  | 2630.9  | 2628.2  | 2639.0  | 2674.0  | 2709.1  | 2744.2  | 2830.6  | 2916.9  | 3062.6  | 3208.3  |
| 27.5°  | 2450.1  | 2444.7  | 2439.3  | 2442.0  | 2450.1  | 2504.1  | 2555.3  | 2595.8  | 2633.6  | 2733.4  | 2830.6  |
| 30°    | 2301.7  | 2299.0  | 2296.3  | 2296.3  | 2288.2  | 2307.1  | 2326.0  | 2388.0  | 2447.4  | 2549.9  | 2652.5  |
| 32.5°  | 2174.9  | 2161.4  | 2147.9  | 2118.2  | 2099.3  | 2126.3  | 2153.3  | 2218.0  | 2282.8  | 2377.2  | 2471.7  |
| 35°    | 2015.7  | 1980.6  | 1942.8  | 1926.6  | 1929.3  | 1956.3  | 1983.3  | 2048.0  | 2110.1  | 2212.6  | 2312.5  |
| 37.5°  | 1843.0  | 1832.2  | 1818.7  | 1816.0  | 1824.1  | 1851.1  | 1878.0  | 1934.7  | 1988.7  | 2091.2  | 2191.0  |
| 40°    | 1745.8  | 1740.4  | 1735.0  | 1729.6  | 1735.0  | 1762.0  | 1789.0  | 1843.0  | 1894.2  | 1994.1  | 2091.2  |
| 42.5°  | 1659.5  | 1656.8  | 1654.1  | 1654.1  | 1656.8  | 1686.5  | 1716.1  | 1770.1  | 1821.4  | 1910.4  | 1999.5  |
| 45°    | 1575.8  | 1578.5  | 1578.5  | 1583.9  | 1592.0  | 1621.7  | 1648.7  | 1708.0  | 1767.4  | 1853.8  | 1940.1  |
| 47.5°  | 1497.6  | 1505.7  | 1511.1  | 1524.6  | 1532.7  | 1565.0  | 1594.7  | 1659.5  | 1724.2  | 1832.2  | 1937.4  |
| 50°    | 1430.1  | 1438.2  | 1443.6  | 1454.4  | 1476.0  | 1513.8  | 1551.5  | 1629.8  | 1705.3  | 1886.1  | 2064.2  |
| 52.5°  | 1368.1  | 1376.1  | 1384.2  | 1395.0  | 1422.0  | 1465.2  | 1508.4  | 1605.5  | 1699.9  | 1910.4  | 2120.9  |
| 55°    | 1311.4  | 1319.5  | 1324.9  | 1341.1  | 1368.1  | 1405.8  | 1440.9  | 1559.6  | 1678.4  | 1832.2  | 1986.0  |
| 57.5°  | 1257.4  | 1265.5  | 1270.9  | 1281.7  | 1295.2  | 1335.7  | 1373.5  | 1500.3  | 1627.1  | 1735.0  | 1840.3  |
| 60°    | 1200.8  | 1206.2  | 1208.9  | 1208.9  | 1219.6  | 1265.5  | 1311.4  | 1473.3  | 1632.5  | 1613.6  | 1592.0  |
| 62.5°  | 1138.7  | 1144.1  | 1146.8  | 1138.7  | 1152.2  | 1200.8  | 1249.3  | 1459.8  | 1670.3  | 1540.7  | 1411.2  |
| 65°    | 1082.0  | 1079.3  | 1076.6  | 1068.5  | 1084.7  | 1133.3  | 1179.2  | 1284.4  | 1389.6  | 1338.4  | 1287.1  |
| 67.5°  | 1020.0  | 1011.9  | 1003.8  | 993.0   | 1009.2  | 1052.3  | 1092.8  | 1127.9  | 1163.0  | 1168.4  | 1173.8  |
| 70°    | 941.7   | 930.9   | 920.1   | 917.4   | 925.5   | 960.6   | 995.7   | 1020.0  | 1041.6  | 1052.3  | 1060.4  |
| 72.5°  | 850.0   | 841.9   | 833.8   | 828.4   | 831.1   | 860.8   | 887.8   | 909.3   | 930.9   | 939.0   | 944.4   |
| 75°    | 747.4   | 747.4   | 744.7   | 728.5   | 728.5   | 752.8   | 774.4   | 793.3   | 812.2   | 823.0   | 833.8   |
| 77.5°  | 636.8   | 639.5   | 639.5   | 617.9   | 615.2   | 639.5   | 661.1   | 677.3   | 690.8   | 701.6   | 709.7   |
| 80°    | 510.0   | 504.6   | 499.2   | 485.7   | 480.3   | 510.0   | 537.0   | 550.5   | 561.3   | 564.0   | 564.0   |
| 82.5°  | 391.3   | 380.5   | 367.0   | 337.3   | 340.0   | 372.4   | 402.1   | 412.8   | 423.6   | 423.6   | 423.6   |
| 85°    | 267.1   | 245.5   | 221.3   | 197.0   | 199.7   | 234.8   | 267.1   | 277.9   | 288.7   | 294.1   | 296.8   |
| 87.5°  | 126.8   | 105.2   | 80.9    | 62.1    | 62.1    | 91.7    | 118.7   | 124.1   | 129.5   | 140.3   | 151.1   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



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

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 19241.8 | 19473.9 | 19714.0 | 19954.2 | 20229.4 | 20504.6 | 20825.7 | 21144.1 | 21416.7 | 21689.2 | 21915.9 |
| 5°     | 16187.3 | 16557.0 | 16991.4 | 17425.8 | 17979.0 | 18532.1 | 19209.4 | 19884.0 | 20485.7 | 21087.5 | 21786.3 |
| 7.5°   | 12822.5 | 13302.8 | 13869.4 | 14436.1 | 15151.1 | 15866.2 | 16743.2 | 17620.1 | 18470.1 | 19317.4 | 20391.3 |
| 10°    | 10755.6 | 11260.1 | 11818.7 | 12374.6 | 13103.1 | 13829.0 | 14757.2 | 15682.7 | 16637.9 | 17590.4 | 18804.7 |
| 12.5°  | 9670.8  | 10229.4 | 10720.5 | 11211.6 | 11802.5 | 12390.7 | 13289.3 | 14187.8 | 15310.3 | 16430.1 | 17598.5 |
| 15°    | 8513.2  | 9123.1  | 9711.3  | 10299.5 | 10944.4 | 11586.6 | 12460.9 | 13335.2 | 14562.9 | 15790.6 | 17134.4 |
| 17.5°  | 7112.8  | 7755.0  | 8472.8  | 9187.8  | 10029.7 | 10868.9 | 11988.7 | 13108.5 | 14562.9 | 16014.6 | 17598.5 |
| 20°    | 5653.0  | 6308.7  | 7166.8  | 8024.8  | 9071.8  | 10116.0 | 11567.8 | 13019.5 | 14978.4 | 16934.7 | 18955.8 |
| 22.5°  | 4460.3  | 5037.8  | 5974.1  | 6907.7  | 8116.6  | 9325.4  | 11187.3 | 13046.4 | 15607.2 | 18165.2 | 20893.2 |
| 25°    | 3615.8  | 4023.2  | 4943.3  | 5860.8  | 7255.8  | 8650.9  | 10955.2 | 13256.9 | 16521.9 | 19784.2 | 23167.9 |
| 27.5°  | 3097.7  | 3364.8  | 4222.9  | 5078.3  | 6602.8  | 8124.7  | 10860.8 | 13594.2 | 17682.2 | 21770.1 | 25642.3 |
| 30°    | 2838.6  | 3024.8  | 3750.7  | 4473.8  | 6022.7  | 7571.5  | 10747.5 | 13923.4 | 18799.3 | 23672.5 | 27577.0 |
| 32.5°  | 2622.8  | 2771.2  | 3391.8  | 4009.7  | 5520.8  | 7031.9  | 10528.9 | 14023.2 | 19579.1 | 25135.0 | 29214.8 |
| 35°    | 2439.3  | 2563.4  | 3103.1  | 3642.7  | 5126.8  | 6610.9  | 10161.9 | 13712.9 | 20067.5 | 26422.1 | 30920.2 |
| 37.5°  | 2290.9  | 2388.0  | 2887.2  | 3386.4  | 4786.8  | 6187.3  | 9743.7  | 13300.1 | 20501.9 | 27703.8 | 32838.7 |
| 40°    | 2174.9  | 2258.5  | 2725.3  | 3192.1  | 4463.0  | 5734.0  | 9384.8  | 13032.9 | 21101.0 | 29169.0 | 34865.2 |
| 42.5°  | 2110.1  | 2218.0  | 2585.0  | 2949.3  | 4155.4  | 5361.6  | 9096.1  | 12830.6 | 21656.8 | 30480.4 | 36638.0 |
| 45°    | 2093.9  | 2247.7  | 2512.1  | 2776.6  | 3926.1  | 5075.6  | 8839.7  | 12601.2 | 22015.7 | 31430.2 | 37973.6 |
| 47.5°  | 2066.9  | 2193.7  | 2455.5  | 2717.2  | 3812.7  | 4905.6  | 8702.1  | 12496.0 | 22374.6 | 32250.5 | 39082.7 |
| 50°    | 2083.1  | 2099.3  | 2409.6  | 2717.2  | 3796.6  | 4875.9  | 8858.6  | 12841.4 | 23151.7 | 33459.3 | 40350.9 |
| 52.5°  | 2053.4  | 1983.3  | 2323.3  | 2663.3  | 3793.9  | 4924.5  | 9309.2  | 13694.0 | 24595.3 | 35493.9 | 41724.3 |
| 55°    | 1896.9  | 1805.2  | 2161.4  | 2517.5  | 3737.2  | 4954.1  | 9846.2  | 14735.6 | 26532.7 | 38327.1 | 44193.3 |
| 57.5°  | 1759.3  | 1675.7  | 1977.9  | 2277.4  | 3564.5  | 4851.6  | 10399.4 | 15944.4 | 28580.7 | 41214.3 | 46975.3 |
| 60°    | 1575.8  | 1556.9  | 1772.8  | 1988.7  | 3297.4  | 4603.4  | 10855.4 | 17104.7 | 29956.9 | 42806.4 | 48046.5 |
| 62.5°  | 1424.7  | 1435.5  | 1594.7  | 1753.9  | 2962.8  | 4168.9  | 11006.5 | 17841.4 | 29919.1 | 41996.9 | 46967.2 |
| 65°    | 1308.7  | 1327.6  | 1484.1  | 1640.6  | 2676.7  | 3712.9  | 10510.0 | 17304.4 | 28405.3 | 39503.6 | 44832.8 |
| 67.5°  | 1195.4  | 1216.9  | 1403.1  | 1586.6  | 2423.1  | 3256.9  | 9268.8  | 15278.0 | 25682.7 | 36084.8 | 42118.3 |
| 70°    | 1087.4  | 1114.4  | 1316.8  | 1519.2  | 2239.6  | 2957.4  | 7668.7  | 12380.0 | 22274.7 | 32166.8 | 38974.7 |
| 72.5°  | 971.4   | 998.4   | 1214.2  | 1430.1  | 2123.6  | 2814.4  | 6252.0  | 9687.0  | 18076.1 | 26462.5 | 33337.9 |
| 75°    | 852.7   | 871.6   | 1106.3  | 1338.4  | 1964.4  | 2590.4  | 4905.6  | 7218.0  | 13834.4 | 20450.7 | 25180.8 |
| 77.5°  | 733.9   | 758.2   | 955.2   | 1149.5  | 1667.6  | 2183.0  | 3696.7  | 5210.5  | 10151.1 | 15089.1 | 17512.2 |
| 80°    | 585.5   | 607.1   | 747.4   | 885.1   | 1287.1  | 1686.5  | 2541.8  | 3397.2  | 6986.0  | 10574.8 | 11940.1 |
| 82.5°  | 447.9   | 472.2   | 566.6   | 658.4   | 917.4   | 1176.5  | 1540.7  | 1905.0  | 4641.1  | 7374.5  | 7487.9  |
| 85°    | 307.6   | 315.7   | 383.2   | 447.9   | 566.6   | 685.4   | 882.4   | 1079.3  | 3070.7  | 5062.1  | 4217.5  |
| 87.5°  | 153.8   | 153.8   | 199.7   | 245.5   | 304.9   | 364.3   | 466.8   | 566.6   | 982.2   | 1397.7  | 804.1   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 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-SA0D-760-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-SA0D-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 22204.6 | 22401.6 | 22601.2 | 22752.3 | 22906.1 | 23127.4 | 23348.7 | 23389.1 | 23432.3 | 23346.0 | 23259.6 |
| 5°     | 22490.6 | 23086.9 | 23686.0 | 24239.1 | 24792.3 | 25124.2 | 25456.1 | 25523.5 | 25591.0 | 25383.2 | 25172.7 |
| 7.5°   | 21430.2 | 22469.0 | 23507.9 | 24460.4 | 25412.9 | 25990.3 | 26570.5 | 26700.0 | 26832.2 | 26492.2 | 26152.2 |
| 10°    | 20013.5 | 21289.8 | 22566.2 | 23820.9 | 25075.6 | 25914.8 | 26754.0 | 26921.3 | 27088.6 | 26664.9 | 26241.3 |
| 12.5°  | 18918.0 | 20280.7 | 21643.3 | 22965.5 | 24290.4 | 25159.3 | 26028.1 | 26235.9 | 26443.7 | 26136.1 | 25825.7 |
| 15°    | 18580.7 | 19862.4 | 21144.1 | 22296.3 | 23451.2 | 24160.9 | 24873.2 | 24956.9 | 25043.2 | 24994.7 | 24946.1 |
| 17.5°  | 19193.2 | 20350.8 | 21511.1 | 22137.1 | 22765.8 | 23049.2 | 23335.2 | 23426.9 | 23521.4 | 23642.8 | 23766.9 |
| 20°    | 20677.3 | 21492.2 | 22309.8 | 22282.8 | 22253.2 | 22115.5 | 21975.2 | 21950.9 | 21926.7 | 22274.7 | 22625.5 |
| 22.5°  | 22892.7 | 23216.5 | 23543.0 | 22784.7 | 22026.5 | 21565.1 | 21101.0 | 21009.2 | 20914.8 | 21284.4 | 21656.8 |
| 25°    | 25296.9 | 25237.5 | 25175.4 | 23731.8 | 22285.5 | 21405.9 | 20526.2 | 20423.7 | 20321.1 | 20636.8 | 20955.3 |
| 27.5°  | 27676.8 | 27288.2 | 26899.7 | 24938.0 | 22976.3 | 21700.0 | 20423.7 | 20321.1 | 20218.6 | 20499.2 | 20779.9 |
| 30°    | 29422.6 | 28799.3 | 28176.0 | 25955.3 | 23734.5 | 22218.1 | 20701.6 | 20534.3 | 20364.3 | 20709.7 | 21055.1 |
| 32.5°  | 30785.3 | 29948.8 | 29112.3 | 26781.0 | 24449.6 | 22809.0 | 21168.4 | 20906.7 | 20644.9 | 21106.4 | 21567.8 |
| 35°    | 32145.2 | 30968.8 | 29789.6 | 27517.6 | 25242.9 | 23507.9 | 21770.1 | 21449.0 | 21127.9 | 21762.1 | 22396.2 |
| 37.5°  | 33856.0 | 32166.8 | 30475.0 | 28346.0 | 26217.0 | 24554.8 | 22890.0 | 22560.8 | 22231.6 | 23038.4 | 23847.9 |
| 40°    | 35712.4 | 33459.3 | 31206.2 | 29252.6 | 27299.0 | 26003.8 | 24705.9 | 24392.9 | 24077.2 | 25059.4 | 26041.6 |
| 42.5°  | 37255.9 | 34662.8 | 32069.7 | 30345.5 | 28618.5 | 27706.5 | 26791.7 | 26789.0 | 26783.7 | 27779.3 | 28775.0 |
| 45°    | 38510.6 | 35666.6 | 32819.8 | 31411.3 | 30000.1 | 29525.2 | 29050.3 | 29430.7 | 29811.2 | 30709.7 | 31611.0 |
| 47.5°  | 39446.9 | 36508.4 | 33567.3 | 32630.9 | 31694.6 | 31764.8 | 31834.9 | 32609.4 | 33383.8 | 33961.2 | 34541.4 |
| 50°    | 40056.8 | 37272.1 | 34484.7 | 34196.0 | 33907.3 | 34536.0 | 35167.4 | 36055.1 | 36945.6 | 37339.5 | 37733.5 |
| 52.5°  | 40944.5 | 38308.2 | 35669.3 | 35993.1 | 36316.9 | 37601.3 | 38885.7 | 39784.2 | 40682.8 | 40828.5 | 40976.9 |
| 55°    | 42997.9 | 40213.3 | 37425.9 | 38046.5 | 38669.8 | 40553.2 | 42439.4 | 43140.9 | 43842.5 | 43896.5 | 43950.4 |
| 57.5°  | 45914.8 | 42881.9 | 39849.0 | 40518.2 | 41187.4 | 43362.2 | 45539.8 | 46295.3 | 47053.5 | 46948.3 | 46840.4 |
| 60°    | 48097.8 | 45415.6 | 42730.8 | 43405.4 | 44080.0 | 46200.9 | 48321.7 | 49190.6 | 50062.2 | 49830.1 | 49598.1 |
| 62.5°  | 48232.7 | 46799.9 | 45364.4 | 45974.2 | 46586.7 | 48664.4 | 50742.1 | 51635.3 | 52528.4 | 52123.7 | 51718.9 |
| 65°    | 46087.5 | 46729.7 | 47371.9 | 47574.3 | 47776.7 | 49714.1 | 51654.2 | 52336.9 | 53022.2 | 52817.2 | 52612.1 |
| 67.5°  | 43132.9 | 45499.3 | 47868.4 | 47461.0 | 47053.5 | 47962.9 | 48872.2 | 49576.5 | 50280.7 | 50164.7 | 50046.0 |
| 70°    | 40183.6 | 43343.3 | 46503.1 | 44500.9 | 42496.0 | 42121.0 | 41745.9 | 42504.1 | 43265.1 | 42795.6 | 42323.4 |
| 72.5°  | 35162.0 | 38529.5 | 41899.7 | 38211.1 | 34522.5 | 33240.8 | 31959.1 | 32922.4 | 33885.7 | 33138.2 | 32388.1 |
| 75°    | 27601.2 | 31322.2 | 35045.9 | 30645.0 | 26244.0 | 24533.2 | 22822.5 | 23650.9 | 24479.3 | 23966.6 | 23451.2 |
| 77.5°  | 20547.8 | 24214.8 | 27881.9 | 23408.0 | 18931.5 | 17660.6 | 16387.0 | 16632.5 | 16880.8 | 16794.4 | 16705.4 |
| 80°    | 13936.9 | 16492.2 | 19050.2 | 16071.3 | 13092.3 | 13189.5 | 13289.3 | 13173.3 | 13054.5 | 13227.2 | 13399.9 |
| 82.5°  | 8893.7  | 10866.2 | 12841.4 | 11260.1 | 9678.9  | 10585.6 | 11492.2 | 11047.0 | 10599.1 | 10763.6 | 10930.9 |
| 85°    | 5075.6  | 7004.9  | 8936.9  | 8329.8  | 7719.9  | 8248.8  | 8780.4  | 8089.6  | 7398.8  | 7701.0  | 8006.0  |
| 87.5°  | 1338.4  | 3874.8  | 6413.9  | 5823.0  | 5232.1  | 4546.7  | 3861.3  | 2946.6  | 2031.8  | 2968.2  | 3904.5  |
| 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-SA0D-760-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-SA0D-760-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 | 20561.3 |
| 2.5°   | 23213.8 | 23167.9 | 23003.3 | 22836.0 | 22587.7 | 22382.7 | 22026.5 |
| 5°     | 24881.3 | 24589.9 | 24088.0 | 23583.4 | 23022.2 | 22377.3 | 21662.2 |
| 7.5°   | 25472.3 | 24789.6 | 23826.3 | 22860.3 | 21991.4 | 20971.4 | 20021.6 |
| 10°    | 25221.3 | 24198.6 | 22946.6 | 21691.9 | 20636.8 | 19463.1 | 18408.0 |
| 12.5°  | 24741.0 | 23653.6 | 22274.7 | 20893.2 | 19692.4 | 18432.3 | 17250.4 |
| 15°    | 24079.9 | 23211.1 | 21918.6 | 20626.1 | 19417.2 | 18192.2 | 16791.7 |
| 17.5°  | 23356.8 | 22943.9 | 22010.3 | 21074.0 | 20027.0 | 18839.8 | 17196.5 |
| 20°    | 22773.9 | 22925.0 | 22552.7 | 22180.3 | 21341.1 | 20305.0 | 18459.3 |
| 22.5°  | 22380.0 | 23105.8 | 23391.8 | 23680.6 | 23176.0 | 22366.5 | 20232.1 |
| 25°    | 22158.7 | 23362.2 | 24320.1 | 25280.7 | 25056.7 | 24433.4 | 22385.4 |
| 27.5°  | 22255.8 | 23731.8 | 25218.6 | 26708.1 | 26915.9 | 26743.2 | 24654.7 |
| 30°    | 22547.3 | 24042.1 | 25852.7 | 27666.0 | 28494.4 | 28726.5 | 26546.2 |
| 32.5°  | 23033.0 | 24498.2 | 26470.6 | 28445.8 | 29697.9 | 30437.2 | 28275.8 |
| 35°    | 23766.9 | 25137.7 | 27193.8 | 29249.9 | 30868.9 | 32218.1 | 30062.1 |
| 37.5°  | 25027.0 | 26206.2 | 28103.1 | 30002.8 | 32102.1 | 34128.5 | 32029.2 |
| 40°    | 26872.7 | 27706.5 | 29309.3 | 30914.8 | 33556.5 | 36292.6 | 34223.0 |
| 42.5°  | 29201.4 | 29630.4 | 30901.3 | 32172.2 | 35075.6 | 38257.0 | 36368.1 |
| 45°    | 31724.3 | 31837.6 | 32636.3 | 33437.7 | 36279.1 | 39595.3 | 37979.0 |
| 47.5°  | 34152.8 | 33764.2 | 34082.6 | 34401.0 | 37201.9 | 40550.5 | 39201.4 |
| 50°    | 36651.5 | 35569.4 | 35402.1 | 35234.8 | 38124.7 | 41675.8 | 40755.6 |
| 52.5°  | 39193.3 | 37409.7 | 36748.6 | 36084.8 | 39225.7 | 43167.9 | 42690.3 |
| 55°    | 41681.1 | 39411.8 | 38521.4 | 37630.9 | 40909.4 | 44989.3 | 45531.7 |
| 57.5°  | 44268.8 | 41697.3 | 40871.6 | 40046.0 | 43383.8 | 47296.4 | 48081.6 |
| 60°    | 47053.5 | 44506.3 | 43845.2 | 43181.4 | 46459.9 | 49789.6 | 49217.6 |
| 62.5°  | 49695.2 | 47671.4 | 47323.4 | 46972.6 | 49571.1 | 51705.5 | 48775.1 |
| 65°    | 51459.9 | 50305.0 | 50628.8 | 50955.3 | 51924.0 | 52183.1 | 47479.9 |
| 67.5°  | 50280.7 | 50515.5 | 51883.5 | 53254.3 | 52587.8 | 50763.7 | 44927.2 |
| 70°    | 43729.2 | 45137.7 | 48378.4 | 51621.8 | 50143.1 | 46961.8 | 40345.5 |
| 72.5°  | 33969.3 | 35553.2 | 40364.4 | 45178.2 | 43815.5 | 39919.1 | 33138.2 |
| 75°    | 25237.5 | 27026.5 | 32336.8 | 37647.1 | 35755.6 | 29859.8 | 23726.4 |
| 77.5°  | 17903.4 | 19101.5 | 24344.4 | 29589.9 | 26505.7 | 19875.9 | 15966.0 |
| 80°    | 13032.9 | 12666.0 | 15588.3 | 18510.6 | 17997.9 | 13146.3 | 10253.7 |
| 82.5°  | 10035.1 | 9139.3  | 10515.4 | 11891.6 | 11816.0 | 9123.1  | 7523.0  |
| 85°    | 7647.1  | 7288.2  | 8505.1  | 9722.1  | 8680.5  | 6179.2  | 4781.4  |
| 87.5°  | 4457.6  | 5013.5  | 6446.3  | 7881.8  | 5914.7  | 1875.3  | 928.2   |
| 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: P320744  
 CATALOG NUMBER: GLEON-SA0D-760-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: SP1-1908-441-9-R4

Test Date: 10/23/2019

Luminaire Tested: SA1C-760-U-5WQ

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

### Test Information

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-9-R4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 10/28/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW-EDISON  
 Catalog Number: **SA1C-760-U-5WQ**  
 Description: MCGRAW EDISON ROADWAY AND AREA LUMINAIRE

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

### Spectral Parameters

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



### Test Conditions

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

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

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

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

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle

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

**Photopic Flux vs. Wavelength**



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| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

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

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: 13759.3**

**S/P: 1.85**

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

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

**Melanopic Flux vs. Wavelength**



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

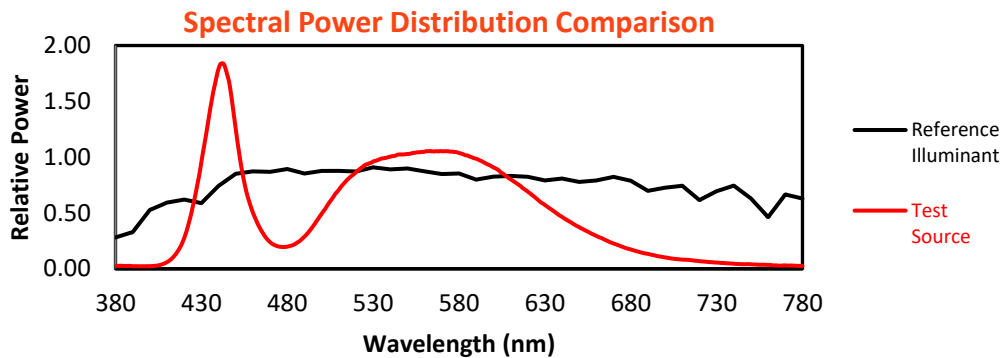
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3540             | NR               | 490       | 33363            | NR               | 620       | 80193            | NR               | 750       | 4663             | NR               | 880       | 4678             | NR               |
| 365       | 2862             | NR               | 495       | 44177            | NR               | 625       | 73091            | NR               | 755       | 4147             | NR               | 885       | 4128             | NR               |
| 370       | 2865             | NR               | 500       | 57019            | NR               | 630       | 66269            | NR               | 760       | 4040             | NR               | 890       | 4504             | NR               |
| 375       | 3254             | NR               | 505       | 70030            | NR               | 635       | 60012            | NR               | 765       | 3474             | NR               | 895       | 4371             | NR               |
| 380       | 3076             | NR               | 510       | 81972            | NR               | 640       | 53914            | NR               | 770       | 3469             | NR               | 900       | 4082             | NR               |
| 385       | 2904             | NR               | 515       | 92590            | NR               | 645       | 48385            | NR               | 775       | 3181             | NR               | 905       | 2982             | NR               |
| 390       | 2689             | NR               | 520       | 100305           | NR               | 650       | 43219            | NR               | 780       | 2969             | NR               | 910       | 4351             | NR               |
| 395       | 2619             | NR               | 525       | 107452           | NR               | 655       | 38562            | NR               | 785       | 3132             | NR               | 915       | 3365             | NR               |
| 400       | 2679             | NR               | 530       | 111373           | NR               | 660       | 34110            | NR               | 790       | 2507             | NR               | 920       | 3430             | NR               |
| 405       | 3515             | NR               | 535       | 114505           | NR               | 665       | 30085            | NR               | 795       | 2968             | NR               | 925       | 4264             | NR               |
| 410       | 6934             | NR               | 540       | 116408           | NR               | 670       | 26205            | NR               | 800       | 2758             | NR               | 930       | 4095             | NR               |
| 415       | 14943            | NR               | 545       | 118700           | NR               | 675       | 22906            | NR               | 805       | 2872             | NR               | 935       | 5048             | NR               |
| 420       | 31939            | NR               | 550       | 119209           | NR               | 680       | 20058            | NR               | 810       | 3094             | NR               | 940       | 4074             | NR               |
| 425       | 64701            | NR               | 555       | 120742           | NR               | 685       | 17413            | NR               | 815       | 3222             | NR               | 945       | 4949             | NR               |
| 430       | 110939           | NR               | 560       | 121594           | NR               | 690       | 15447            | NR               | 820       | 3238             | NR               | 950       | 4387             | NR               |
| 435       | 164597           | NR               | 565       | 121913           | NR               | 695       | 13398            | NR               | 825       | 3524             | NR               | 955       | 4978             | NR               |
| 440       | 207696           | NR               | 570       | 122147           | NR               | 700       | 11777            | NR               | 830       | 2921             | NR               | 960       | 4706             | NR               |
| 445       | 201830           | NR               | 575       | 121605           | NR               | 705       | 10412            | NR               | 835       | 3595             | NR               | 965       | 5083             | NR               |
| 450       | 145410           | NR               | 580       | 120248           | NR               | 710       | 9544             | NR               | 840       | 3016             | NR               | 970       | 4522             | NR               |
| 455       | 89594            | NR               | 585       | 117717           | NR               | 715       | 8940             | NR               | 845       | 4032             | NR               | 975       | 4740             | NR               |
| 460       | 58321            | NR               | 590       | 114359           | NR               | 720       | 7897             | NR               | 850       | 3579             | NR               | 980       | 6122             | NR               |
| 465       | 39318            | NR               | 595       | 109974           | NR               | 725       | 7045             | NR               | 855       | 4571             | NR               | 985       | 6450             | NR               |
| 470       | 27693            | NR               | 600       | 105269           | NR               | 730       | 6483             | NR               | 860       | 4485             | NR               | 990       | 4875             | NR               |
| 475       | 23081            | NR               | 605       | 99453            | NR               | 735       | 5838             | NR               | 865       | 3978             | NR               | 995       | 4764             | NR               |
| 480       | 23002            | NR               | 610       | 92921            | NR               | 740       | 5261             | NR               | 870       | 4298             | NR               | 1000      | 3640             | NR               |
| 485       | 26201            | NR               | 615       | 86989            | NR               | 745       | 4760             | NR               | 875       | 4356             | NR               |           |                  |                  |

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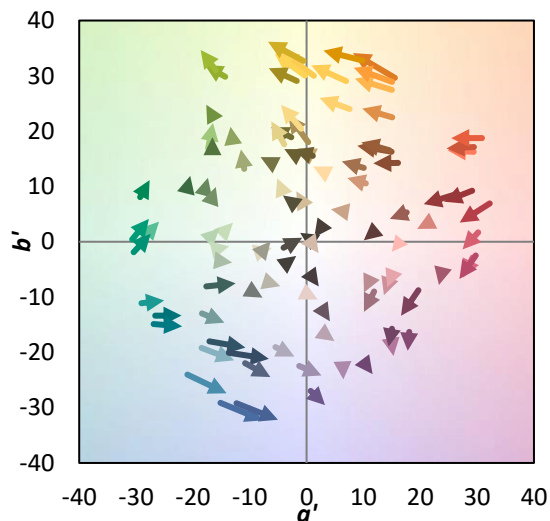
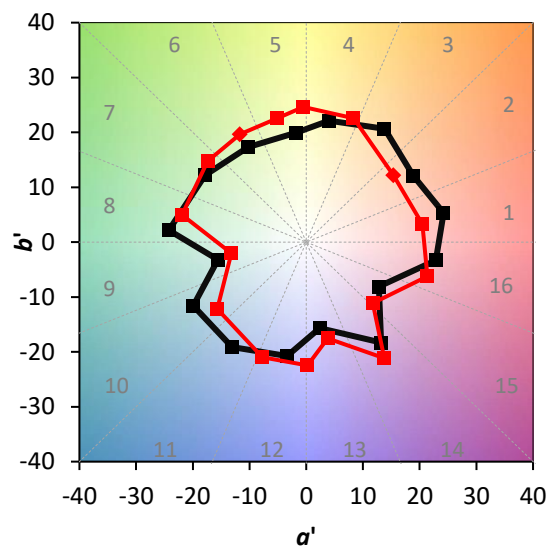
**TM-30-18**

**Summary**

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



**Color Vector Graphics**

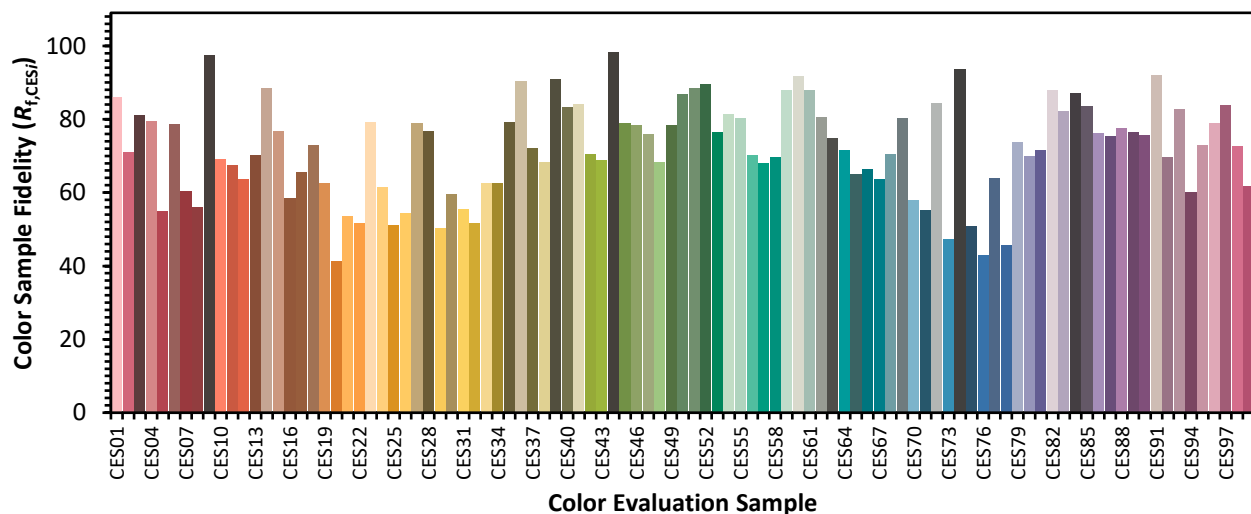


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

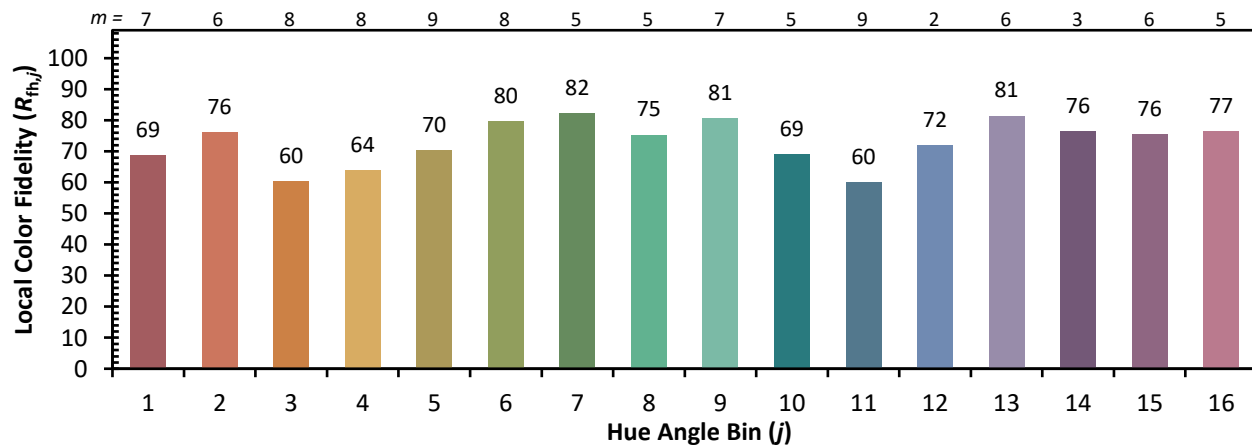
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|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 54 | CES51 = 88 | CES76 = 43 |
| CES02 = 59 | CES27 = 79 | CES52 = 90 | CES77 = 64 |
| CES03 = 30 | CES28 = 77 | CES53 = 77 | CES78 = 46 |
| CES04 = 69 | CES29 = 50 | CES54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



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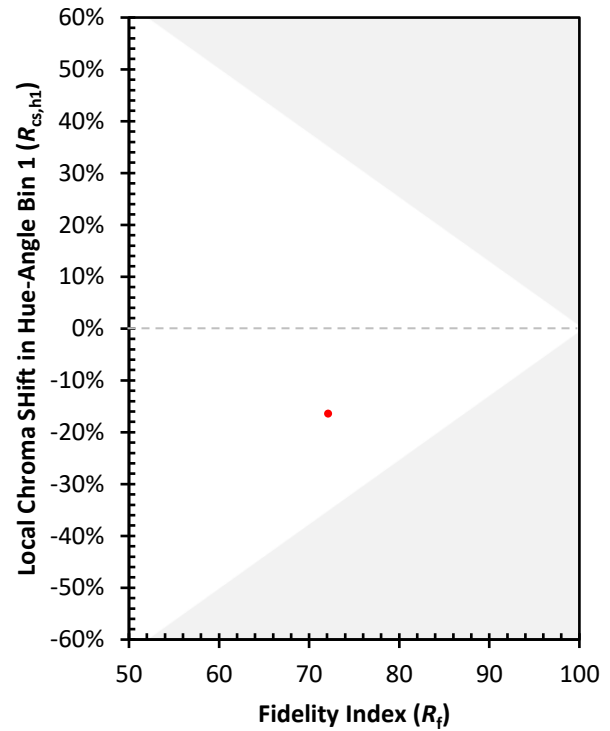
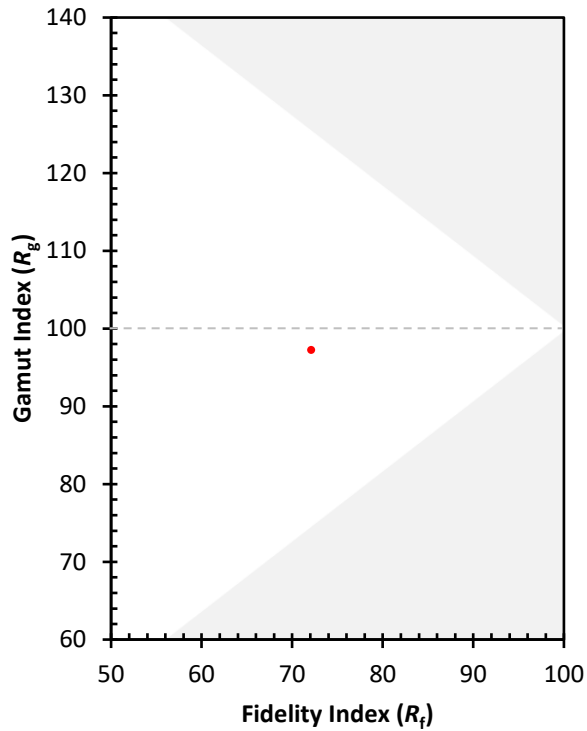
Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)