

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: P320230

Luminaire Tested: **GLEON-SA6A-727-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320230
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-727-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20485 lumens
Efficiency: N/A
Efficacy: 106.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

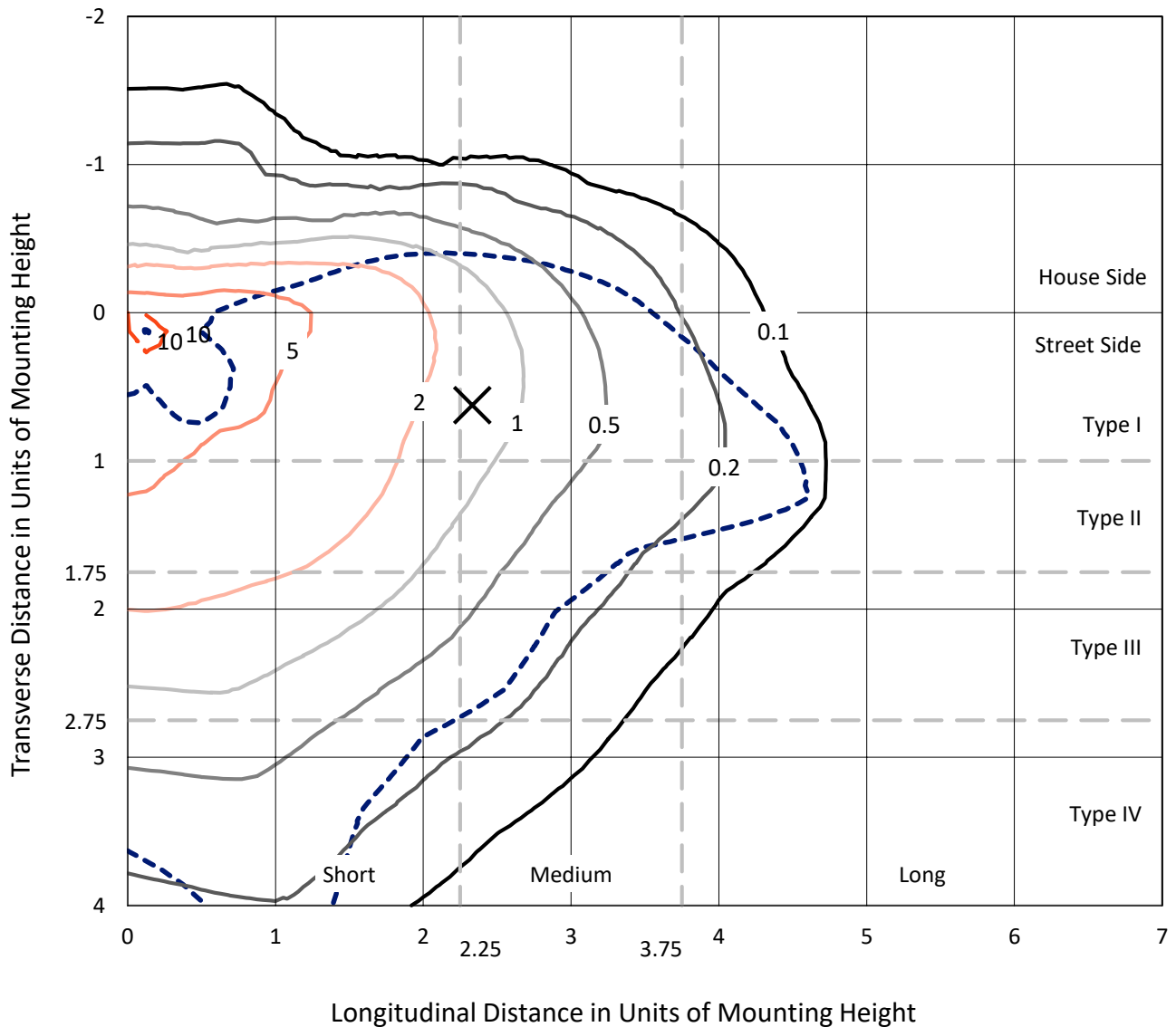
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

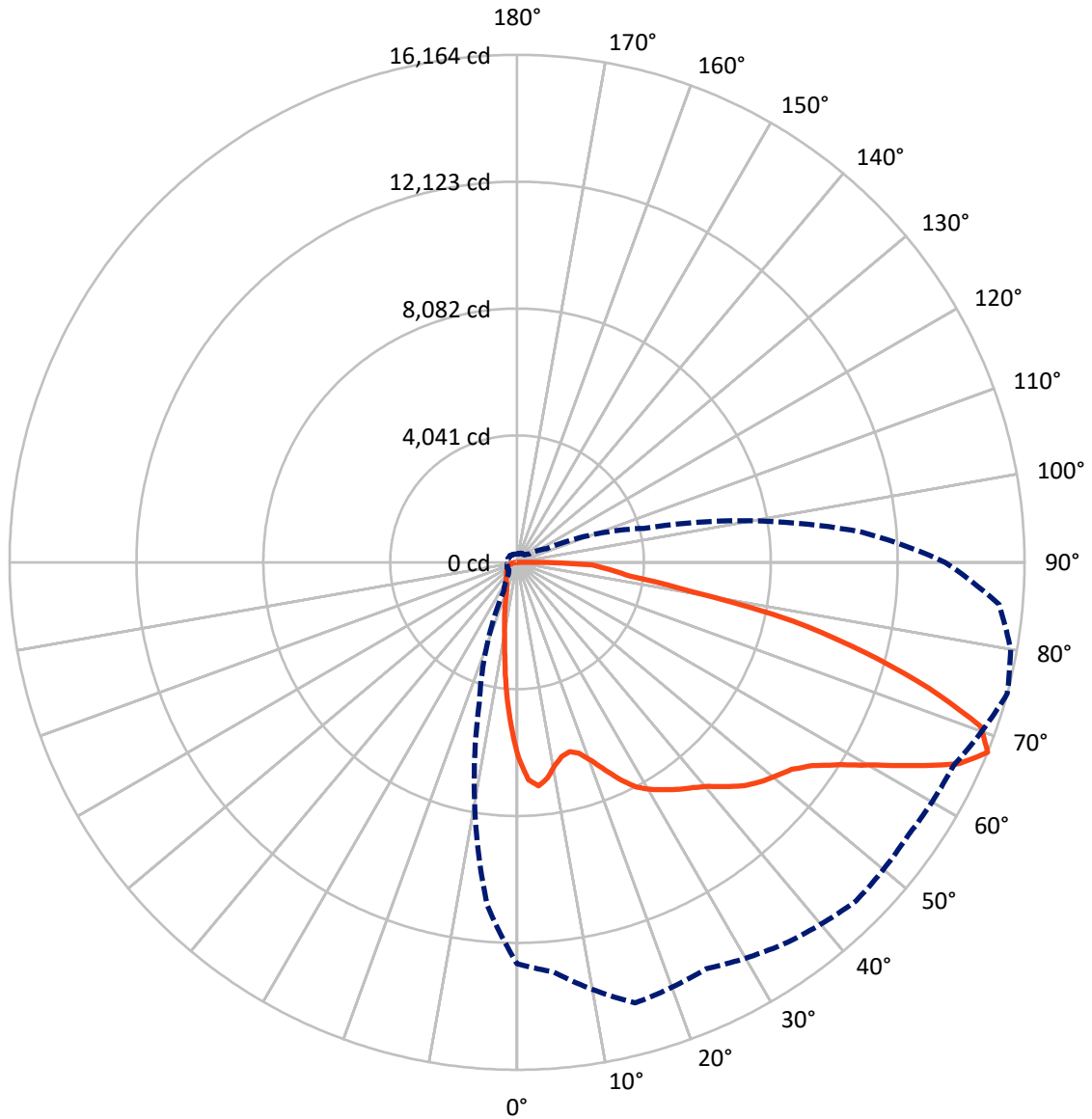
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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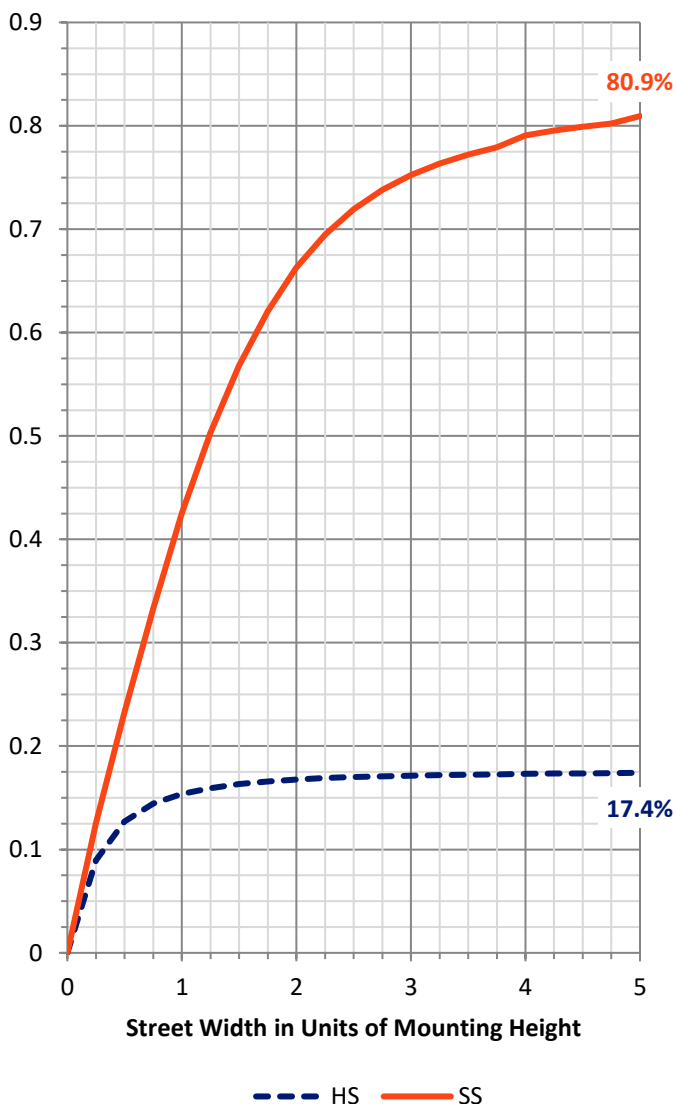
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3607.9 | 0.0 | 3607.9 |
| | % Fixture | 17.6 | 0.0 | 17.6 |
| Street Side | Lumens | 16877.1 | 0.0 | 16877.1 |
| | % Fixture | 82.4 | 0.0 | 82.4 |
| Total | Lumens | 20485.0 | 0.0 | 20485.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 481.7 | 2.4 |
| 10°-20° | 1000.6 | 4.9 |
| 20°-30° | 1423.1 | 6.9 |
| 30°-40° | 2050.6 | 10.0 |
| 40°-50° | 2889.9 | 14.1 |
| 50°-60° | 4017.5 | 19.6 |
| 60°-70° | 4858.3 | 23.7 |
| 70°-80° | 2986.3 | 14.6 |
| 80°-90° | 777.1 | 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° | 20485.0 | 100.0 |
| 0°-180° | 20485.0 | 100.0 |

Coefficient of Utilization

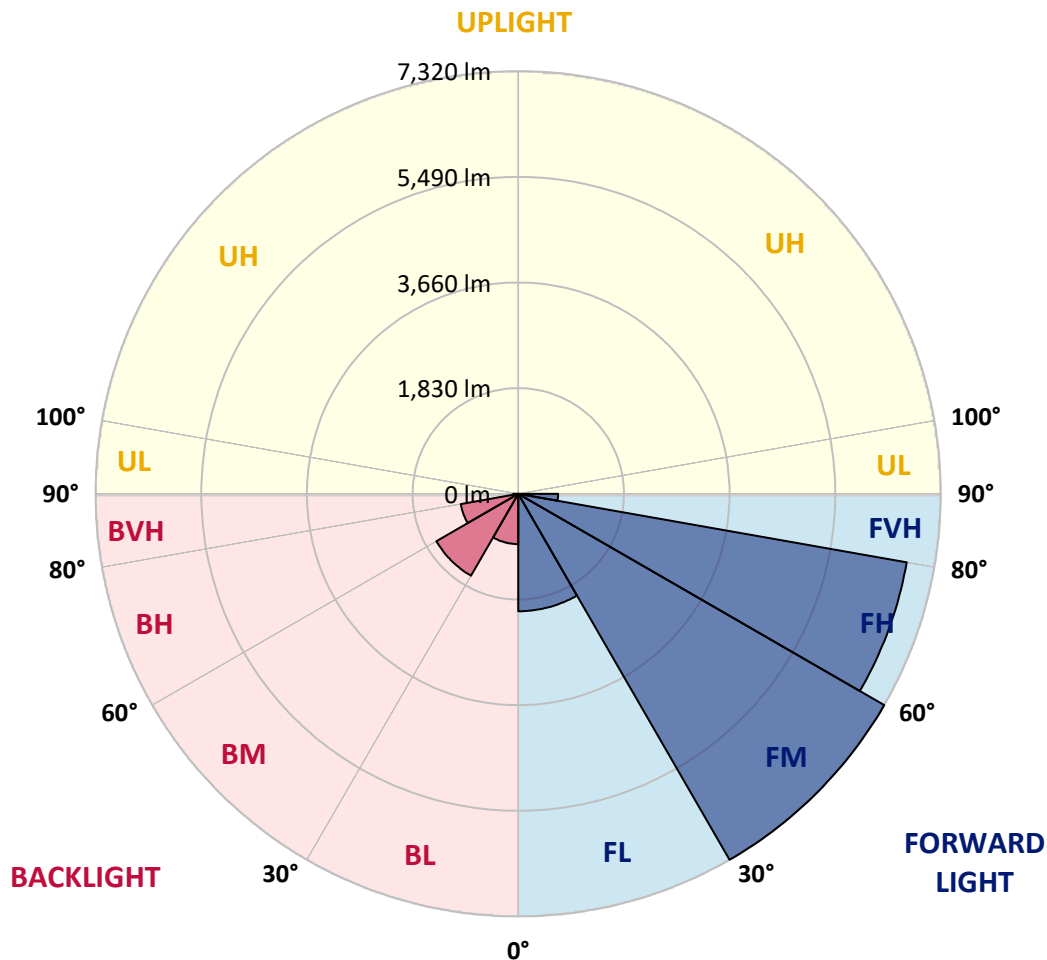


REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2034.0 | 9.9 | | | |
| FM (30°-60°) | 7320.3 | 35.7 | | | |
| FH (60°-80°) | 6833.1 | 33.4 | | | G3/7500 |
| FVH (80°-90°) | 689.8 | 3.4 | | | G4/750 |
| BL (0°-30°) | 871.3 | 4.3 | B2/1000 | | |
| BM (30°-60°) | 1637.7 | 8.0 | B2/2500 | | |
| BH (60°-80°) | 1011.5 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 87.3 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P320230

CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 6652.0 | 6739.6 | 6800.2 | 6860.0 | 6906.7 | 6952.6 | 7019.7 | 7086.9 | 7100.0 | 7112.3 | 7086.1 |
| 5° | 6612.7 | 6826.4 | 7008.3 | 7189.3 | 7357.2 | 7525.1 | 7625.8 | 7726.5 | 7747.0 | 7767.5 | 7704.4 |
| 7.5° | 6189.3 | 6504.6 | 6819.9 | 7135.2 | 7424.3 | 7713.4 | 7889.5 | 8064.8 | 8104.9 | 8144.2 | 8041.0 |
| 10° | 5707.7 | 6074.6 | 6462.0 | 6849.4 | 7230.2 | 7611.1 | 7865.8 | 8120.5 | 8171.3 | 8222.0 | 8093.5 |
| 12.5° | 5341.6 | 5742.1 | 6155.7 | 6569.3 | 6971.4 | 7372.7 | 7636.4 | 7900.2 | 7963.2 | 8026.3 | 7932.9 |
| 15° | 5200.7 | 5639.7 | 6028.7 | 6417.8 | 6768.3 | 7118.0 | 7334.2 | 7549.6 | 7575.8 | 7601.2 | 7586.5 |
| 17.5° | 5341.6 | 5825.6 | 6177.8 | 6529.1 | 6720.0 | 6910.0 | 6996.8 | 7082.8 | 7111.5 | 7139.3 | 7177.0 |
| 20° | 5753.5 | 6276.1 | 6524.2 | 6771.6 | 6763.4 | 6754.4 | 6712.6 | 6670.0 | 6662.6 | 6655.3 | 6761.7 |
| 22.5° | 6341.6 | 6948.5 | 7047.6 | 7145.9 | 6915.7 | 6685.6 | 6545.5 | 6404.7 | 6376.8 | 6348.1 | 6461.2 |
| 25° | 7032.0 | 7678.2 | 7660.2 | 7641.4 | 7203.2 | 6764.2 | 6497.2 | 6230.2 | 6199.1 | 6168.0 | 6264.6 |
| 27.5° | 7783.0 | 8400.6 | 8282.6 | 8164.7 | 7569.3 | 6973.9 | 6586.5 | 6199.1 | 6168.0 | 6136.8 | 6222.0 |
| 30° | 8370.3 | 8930.5 | 8741.3 | 8552.1 | 7878.1 | 7204.0 | 6743.7 | 6283.4 | 6232.7 | 6181.1 | 6285.9 |
| 32.5° | 8867.4 | 9344.1 | 9090.2 | 8836.3 | 8128.7 | 7421.0 | 6923.1 | 6425.1 | 6345.7 | 6266.2 | 6406.3 |
| 35° | 9385.0 | 9756.9 | 9399.8 | 9041.9 | 8352.3 | 7661.8 | 7135.2 | 6607.8 | 6510.3 | 6412.8 | 6605.3 |
| 37.5° | 9967.3 | 10276.1 | 9763.4 | 9249.9 | 8603.7 | 7957.5 | 7453.0 | 6947.7 | 6847.7 | 6747.8 | 6993.5 |
| 40° | 10582.4 | 10839.6 | 10155.7 | 9471.8 | 8878.9 | 8285.9 | 7892.8 | 7498.8 | 7403.8 | 7308.0 | 7606.1 |
| 42.5° | 11120.5 | 11308.1 | 10521.0 | 9733.9 | 9210.6 | 8686.4 | 8409.6 | 8131.9 | 8131.1 | 8129.5 | 8431.7 |
| 45° | 11525.9 | 11688.9 | 10825.7 | 9961.6 | 9534.1 | 9105.7 | 8961.6 | 8817.5 | 8932.9 | 9048.4 | 9322.0 |
| 47.5° | 11862.5 | 11973.1 | 11081.2 | 10188.5 | 9904.3 | 9620.1 | 9641.4 | 9662.7 | 9897.7 | 10132.8 | 10308.9 |
| 50° | 12247.5 | 12158.2 | 11313.0 | 10466.9 | 10379.3 | 10291.7 | 10483.3 | 10674.1 | 10944.4 | 11213.9 | 11333.5 |
| 52.5° | 12664.3 | 12427.6 | 11627.5 | 10826.5 | 10924.8 | 11023.0 | 11412.9 | 11802.7 | 12075.5 | 12348.2 | 12393.2 |
| 55° | 13413.7 | 13050.9 | 12205.7 | 11359.7 | 11548.9 | 11737.2 | 12309.7 | 12881.4 | 13094.3 | 13307.3 | 13323.6 |
| 57.5° | 14258.1 | 13936.3 | 13015.7 | 12095.1 | 12298.2 | 12501.4 | 13162.3 | 13822.4 | 14052.6 | 14281.9 | 14249.9 |
| 60° | 14583.3 | 14598.8 | 13784.7 | 12969.8 | 13174.6 | 13379.3 | 14023.1 | 14666.8 | 14931.4 | 15195.1 | 15124.6 |
| 62.5° | 14255.7 | 14639.8 | 14204.9 | 13769.2 | 13955.1 | 14140.2 | 14770.8 | 15401.5 | 15672.6 | 15943.7 | 15820.8 |
| 65° | 13607.8 | 13988.7 | 14183.6 | 14378.5 | 14440.0 | 14501.4 | 15090.2 | 15678.3 | 15886.3 | 16093.5 | 16031.3 |
| 67.5° | 12783.9 | 13091.9 | 13811.0 | 14529.2 | 14405.6 | 14281.9 | 14557.9 | 14833.9 | 15047.7 | 15261.4 | 15226.2 |
| 70° | 11829.8 | 12196.7 | 13155.7 | 14114.8 | 13507.1 | 12898.6 | 12784.7 | 12670.9 | 12901.9 | 13132.0 | 12989.5 |
| 72.5° | 10118.9 | 10672.5 | 11695.5 | 12717.6 | 11598.0 | 10478.4 | 10089.4 | 9700.3 | 9992.7 | 10285.1 | 10058.3 |
| 75° | 7643.0 | 8377.6 | 9507.9 | 10637.3 | 9301.5 | 7965.7 | 7446.4 | 6927.2 | 7178.6 | 7430.1 | 7274.4 |
| 77.5° | 5315.4 | 6236.8 | 7349.8 | 8462.8 | 7104.9 | 5746.2 | 5360.4 | 4973.8 | 5049.2 | 5123.7 | 5097.5 |
| 80° | 3624.1 | 4230.2 | 5006.6 | 5782.2 | 4878.0 | 3973.8 | 4004.1 | 4033.6 | 3998.4 | 3962.4 | 4014.8 |
| 82.5° | 2272.8 | 2699.5 | 3299.0 | 3897.7 | 3417.7 | 2937.8 | 3213.0 | 3488.2 | 3353.0 | 3217.1 | 3267.8 |
| 85° | 1280.1 | 1540.6 | 2127.0 | 2712.6 | 2528.3 | 2343.2 | 2504.5 | 2665.1 | 2455.4 | 2245.7 | 2338.3 |
| 87.5° | 244.1 | 406.2 | 1176.9 | 1946.8 | 1767.4 | 1588.1 | 1380.0 | 1172.0 | 894.4 | 616.7 | 900.9 |
| 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-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 7059.9 | 7045.9 | 7032.0 | 6982.1 | 6931.3 | 6855.9 | 6793.7 | 6685.6 | 6626.6 | 6537.3 | 6448.1 |
| 5° | 7640.5 | 7552.1 | 7463.6 | 7311.3 | 7158.1 | 6987.8 | 6792.0 | 6575.0 | 6411.2 | 6198.3 | 5985.3 |
| 7.5° | 7937.8 | 7731.4 | 7524.2 | 7231.9 | 6938.6 | 6674.9 | 6365.3 | 6077.0 | 5831.3 | 5554.5 | 5277.7 |
| 10° | 7964.9 | 7655.3 | 7344.9 | 6964.9 | 6584.0 | 6263.8 | 5907.5 | 5587.3 | 5292.4 | 4974.7 | 4656.1 |
| 12.5° | 7838.7 | 7509.5 | 7179.4 | 6760.9 | 6341.6 | 5977.9 | 5594.7 | 5235.9 | 4909.1 | 4559.4 | 4208.9 |
| 15° | 7571.7 | 7308.8 | 7045.1 | 6652.8 | 6260.5 | 5893.6 | 5521.8 | 5096.7 | 4727.3 | 4369.4 | 4010.7 |
| 17.5° | 7213.8 | 7089.3 | 6964.0 | 6680.7 | 6396.5 | 6078.7 | 5718.3 | 5219.5 | 4787.1 | 4398.1 | 4009.1 |
| 20° | 6867.4 | 6913.3 | 6958.3 | 6845.3 | 6732.3 | 6477.5 | 6163.0 | 5602.8 | 5050.8 | 4542.2 | 4032.8 |
| 22.5° | 6573.4 | 6793.7 | 7013.2 | 7100.8 | 7187.6 | 7034.5 | 6788.8 | 6140.9 | 5410.4 | 4746.2 | 4081.9 |
| 25° | 6360.4 | 6725.7 | 7091.0 | 7382.6 | 7673.3 | 7605.3 | 7416.1 | 6794.5 | 5887.0 | 5040.2 | 4192.5 |
| 27.5° | 6307.2 | 6755.2 | 7203.2 | 7655.3 | 8106.6 | 8169.6 | 8117.2 | 7483.3 | 6455.4 | 5405.5 | 4354.7 |
| 30° | 6390.7 | 6844.5 | 7297.4 | 7847.7 | 8397.3 | 8648.7 | 8719.2 | 8057.4 | 7104.9 | 5831.3 | 4557.0 |
| 32.5° | 6546.3 | 6991.1 | 7435.8 | 8035.3 | 8634.0 | 9014.0 | 9238.4 | 8582.4 | 7557.8 | 6152.4 | 4746.2 |
| 35° | 6797.8 | 7213.8 | 7629.9 | 8254.0 | 8878.1 | 9369.5 | 9779.0 | 9124.6 | 7960.0 | 6376.8 | 4792.8 |
| 37.5° | 7238.4 | 7596.3 | 7954.2 | 8530.8 | 9106.6 | 9743.8 | 10358.8 | 9721.6 | 8394.8 | 6593.0 | 4790.4 |
| 40° | 7904.3 | 8157.3 | 8409.6 | 8896.9 | 9383.4 | 10185.2 | 11015.7 | 10387.5 | 8875.6 | 6827.3 | 4778.9 |
| 42.5° | 8733.9 | 8864.1 | 8993.5 | 9379.3 | 9765.0 | 10646.3 | 11611.9 | 11038.6 | 9334.2 | 7045.1 | 4756.0 |
| 45° | 9594.7 | 9629.1 | 9663.5 | 9906.7 | 10149.2 | 11011.6 | 12018.1 | 11527.6 | 9734.7 | 7234.3 | 4733.1 |
| 47.5° | 10484.1 | 10366.2 | 10248.3 | 10344.9 | 10441.6 | 11291.7 | 12308.1 | 11898.6 | 10136.9 | 7444.0 | 4750.3 |
| 50° | 11453.0 | 11124.6 | 10796.2 | 10745.4 | 10694.6 | 11571.8 | 12649.6 | 12370.3 | 10620.1 | 7749.5 | 4878.8 |
| 52.5° | 12437.5 | 11896.1 | 11354.7 | 11154.1 | 10952.6 | 11905.9 | 13102.5 | 12957.5 | 11309.7 | 8222.9 | 5135.2 |
| 55° | 13340.0 | 12651.2 | 11962.5 | 11692.2 | 11421.9 | 12417.0 | 13655.3 | 13820.0 | 12193.4 | 8828.1 | 5462.0 |
| 57.5° | 14217.2 | 13436.7 | 12656.2 | 12405.5 | 12154.9 | 13168.0 | 14355.6 | 14593.9 | 13086.1 | 9408.8 | 5730.6 |
| 60° | 15054.2 | 14281.9 | 13508.7 | 13308.1 | 13106.6 | 14101.7 | 15112.4 | 14938.7 | 13546.4 | 9680.7 | 5814.1 |
| 62.5° | 15698.0 | 15083.7 | 14469.4 | 14363.8 | 14257.3 | 15046.0 | 15693.9 | 14804.4 | 13254.0 | 9412.9 | 5571.7 |
| 65° | 15969.0 | 15619.3 | 15268.8 | 15367.9 | 15466.2 | 15760.2 | 15838.8 | 14411.3 | 12335.1 | 8662.7 | 4990.2 |
| 67.5° | 15190.2 | 15261.4 | 15332.7 | 15748.7 | 16164.0 | 15961.7 | 15408.0 | 13636.5 | 11027.1 | 7599.6 | 4172.0 |
| 70° | 12846.2 | 13273.7 | 13700.4 | 14684.8 | 15668.5 | 15219.7 | 14254.0 | 12245.8 | 9453.0 | 6375.2 | 3296.5 |
| 72.5° | 9830.6 | 10311.3 | 10791.3 | 12252.4 | 13712.7 | 13299.1 | 12116.4 | 10058.3 | 7579.1 | 5091.0 | 2602.0 |
| 75° | 7118.0 | 7661.0 | 8203.2 | 9815.0 | 11426.8 | 10852.7 | 9063.2 | 7201.5 | 5756.8 | 3886.2 | 2014.8 |
| 77.5° | 5070.5 | 5434.1 | 5797.8 | 7389.9 | 8981.3 | 8045.9 | 6032.8 | 4846.1 | 3984.5 | 2701.1 | 1416.9 |
| 80° | 4067.2 | 3955.8 | 3844.4 | 4731.4 | 5618.4 | 5462.8 | 3990.2 | 3112.2 | 2757.6 | 1810.0 | 862.4 |
| 82.5° | 3317.8 | 3045.9 | 2774.0 | 3191.7 | 3609.4 | 3586.4 | 2769.1 | 2283.4 | 2052.4 | 1258.0 | 463.6 |
| 85° | 2430.0 | 2321.1 | 2212.1 | 2581.5 | 2950.9 | 2635.6 | 1875.5 | 1451.3 | 1600.3 | 926.3 | 252.3 |
| 87.5° | 1185.1 | 1353.8 | 1521.7 | 1957.4 | 2392.3 | 1796.1 | 569.2 | 281.7 | 389.8 | 256.3 | 122.0 |
| 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: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230

CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 6381.7 | 6314.6 | 6238.4 | 6162.2 | 6075.4 | 5987.8 | 5936.2 | 5883.8 | 5827.3 | 5770.7 | 5706.9 |
| 5° | 5844.5 | 5703.6 | 5543.9 | 5384.2 | 5226.1 | 5068.0 | 4982.9 | 4897.7 | 4807.6 | 4716.7 | 4638.0 |
| 7.5° | 5072.9 | 4867.4 | 4646.2 | 4424.3 | 4227.7 | 4030.3 | 3908.3 | 3785.5 | 3674.1 | 3561.9 | 3467.7 |
| 10° | 4394.0 | 4131.9 | 3910.0 | 3687.2 | 3538.9 | 3390.7 | 3278.5 | 3166.3 | 3058.2 | 2949.3 | 2845.2 |
| 12.5° | 3946.8 | 3684.7 | 3543.9 | 3403.0 | 3280.1 | 3157.3 | 3027.9 | 2897.7 | 2749.4 | 2600.4 | 2491.4 |
| 15° | 3772.4 | 3534.0 | 3377.6 | 3220.3 | 3055.7 | 2890.3 | 2731.4 | 2572.5 | 2397.2 | 2222.0 | 2098.3 |
| 17.5° | 3697.0 | 3385.0 | 3166.3 | 2946.8 | 2729.8 | 2512.7 | 2328.4 | 2144.2 | 1952.5 | 1760.9 | 1635.6 |
| 20° | 3617.6 | 3202.3 | 2909.1 | 2615.1 | 2336.6 | 2058.2 | 1849.3 | 1640.5 | 1469.3 | 1298.1 | 1202.3 |
| 22.5° | 3545.5 | 3008.2 | 2640.5 | 2271.9 | 1942.7 | 1613.4 | 1408.7 | 1203.1 | 1098.3 | 993.5 | 955.0 |
| 25° | 3516.0 | 2838.7 | 2386.6 | 1934.5 | 1587.2 | 1239.2 | 1093.4 | 947.6 | 907.5 | 866.5 | 846.9 |
| 27.5° | 3520.9 | 2687.2 | 2172.8 | 1657.7 | 1344.8 | 1032.0 | 932.0 | 832.1 | 807.5 | 782.2 | 769.9 |
| 30° | 3539.8 | 2522.5 | 1971.4 | 1420.2 | 1162.2 | 904.2 | 839.5 | 774.0 | 747.8 | 721.5 | 706.0 |
| 32.5° | 3561.1 | 2375.1 | 1815.7 | 1255.5 | 1045.1 | 833.8 | 780.5 | 726.5 | 701.1 | 675.7 | 660.1 |
| 35° | 3524.2 | 2254.7 | 1709.3 | 1163.8 | 969.7 | 774.8 | 729.7 | 683.9 | 656.0 | 628.2 | 613.4 |
| 37.5° | 3462.0 | 2133.5 | 1626.6 | 1118.8 | 920.6 | 721.5 | 688.8 | 655.2 | 626.5 | 597.1 | 583.1 |
| 40° | 3405.4 | 2031.1 | 1565.1 | 1098.3 | 893.5 | 688.0 | 660.1 | 632.3 | 602.8 | 572.5 | 556.1 |
| 42.5° | 3359.6 | 1962.3 | 1504.5 | 1046.7 | 869.0 | 690.4 | 651.1 | 611.0 | 582.3 | 553.7 | 535.6 |
| 45° | 3325.2 | 1917.3 | 1457.0 | 996.7 | 846.0 | 695.3 | 645.4 | 595.4 | 566.8 | 537.3 | 516.0 |
| 47.5° | 3321.9 | 1893.5 | 1423.4 | 953.3 | 802.6 | 651.1 | 630.6 | 610.2 | 568.4 | 525.8 | 501.2 |
| 50° | 3366.9 | 1855.1 | 1384.1 | 912.4 | 760.9 | 609.3 | 637.2 | 664.2 | 593.0 | 520.9 | 489.8 |
| 52.5° | 3461.1 | 1787.1 | 1321.9 | 856.7 | 710.1 | 562.7 | 606.1 | 648.7 | 587.2 | 525.0 | 484.9 |
| 55° | 3575.0 | 1687.2 | 1227.7 | 767.4 | 642.9 | 517.6 | 556.1 | 593.8 | 555.3 | 516.0 | 467.7 |
| 57.5° | 3646.2 | 1561.0 | 1108.9 | 656.8 | 567.6 | 478.3 | 500.4 | 521.7 | 506.1 | 490.6 | 441.4 |
| 60° | 3603.6 | 1393.1 | 975.4 | 556.9 | 501.2 | 445.5 | 441.4 | 436.5 | 459.5 | 482.4 | 425.9 |
| 62.5° | 3395.6 | 1219.5 | 857.5 | 495.5 | 453.7 | 411.1 | 402.1 | 392.3 | 430.0 | 466.8 | 407.0 |
| 65° | 3044.3 | 1098.3 | 783.0 | 467.7 | 421.0 | 374.3 | 364.5 | 354.6 | 366.1 | 377.6 | 349.7 |
| 67.5° | 2597.9 | 1023.8 | 740.4 | 457.0 | 400.5 | 343.2 | 331.7 | 320.2 | 317.8 | 315.3 | 305.5 |
| 70° | 2137.6 | 977.9 | 712.5 | 447.2 | 378.4 | 308.8 | 298.1 | 287.5 | 284.2 | 280.1 | 272.7 |
| 72.5° | 1787.1 | 972.2 | 709.3 | 446.4 | 360.4 | 274.4 | 264.5 | 254.7 | 250.6 | 245.7 | 240.0 |
| 75° | 1463.6 | 912.4 | 673.2 | 434.1 | 335.8 | 236.7 | 227.7 | 218.7 | 215.4 | 211.3 | 206.4 |
| 77.5° | 1086.0 | 755.1 | 565.9 | 376.7 | 287.5 | 198.2 | 189.2 | 179.4 | 178.5 | 176.9 | 172.8 |
| 80° | 704.3 | 546.3 | 404.6 | 262.9 | 209.7 | 155.6 | 148.2 | 140.1 | 140.9 | 141.7 | 138.4 |
| 82.5° | 391.5 | 318.6 | 247.3 | 176.1 | 143.3 | 110.6 | 107.3 | 103.2 | 105.7 | 107.3 | 103.2 |
| 85° | 206.4 | 160.5 | 132.7 | 104.8 | 82.7 | 60.6 | 60.6 | 59.8 | 63.1 | 66.3 | 63.1 |
| 87.5° | 89.3 | 56.5 | 48.3 | 39.3 | 22.1 | 4.1 | 4.9 | 4.9 | 6.6 | 8.2 | 7.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 5642.2 | 5582.4 | 5521.8 | 5455.4 | 5467.7 | 5416.9 | 5366.1 | 5334.2 | 5302.3 | 5292.4 | 5282.6 |
| 5° | 4559.4 | 4491.4 | 4422.7 | 4361.2 | 4414.5 | 4378.4 | 4342.4 | 4337.5 | 4331.7 | 4331.7 | 4330.9 |
| 7.5° | 3373.5 | 3300.6 | 3226.9 | 3176.1 | 3228.5 | 3222.0 | 3215.4 | 3250.6 | 3285.9 | 3314.5 | 3342.4 |
| 10° | 2741.2 | 2652.8 | 2563.5 | 2488.2 | 2475.0 | 2437.4 | 2398.9 | 2407.1 | 2414.4 | 2445.6 | 2476.7 |
| 12.5° | 2382.5 | 2276.8 | 2171.2 | 2082.7 | 2042.6 | 1980.4 | 1917.3 | 1878.0 | 1838.7 | 1842.8 | 1846.0 |
| 15° | 1973.8 | 1871.4 | 1768.2 | 1692.1 | 1666.7 | 1618.4 | 1570.0 | 1520.9 | 1470.9 | 1450.5 | 1429.2 |
| 17.5° | 1509.4 | 1427.5 | 1344.8 | 1294.0 | 1294.0 | 1280.1 | 1266.2 | 1241.6 | 1216.2 | 1195.8 | 1174.5 |
| 20° | 1106.5 | 1063.1 | 1018.8 | 997.6 | 1004.1 | 1004.9 | 1004.9 | 1017.2 | 1029.5 | 1022.9 | 1016.4 |
| 22.5° | 915.7 | 900.1 | 884.5 | 875.5 | 878.8 | 879.6 | 880.4 | 891.9 | 902.5 | 910.7 | 918.1 |
| 25° | 826.4 | 816.6 | 806.7 | 803.4 | 810.8 | 811.6 | 811.6 | 819.0 | 826.4 | 834.6 | 842.8 |
| 27.5° | 756.8 | 752.7 | 748.6 | 742.8 | 750.2 | 750.2 | 749.4 | 757.6 | 765.0 | 772.3 | 778.9 |
| 30° | 690.4 | 692.1 | 692.9 | 691.2 | 696.2 | 699.4 | 701.9 | 707.6 | 712.5 | 718.3 | 724.0 |
| 32.5° | 643.7 | 641.3 | 638.8 | 637.2 | 647.8 | 653.6 | 659.3 | 665.0 | 669.9 | 672.4 | 674.9 |
| 35° | 598.7 | 593.0 | 587.2 | 583.1 | 593.0 | 600.3 | 607.7 | 618.4 | 628.2 | 629.8 | 631.5 |
| 37.5° | 568.4 | 561.0 | 553.7 | 548.7 | 552.8 | 556.1 | 559.4 | 570.8 | 582.3 | 588.9 | 594.6 |
| 40° | 539.7 | 532.4 | 525.0 | 520.9 | 523.3 | 524.2 | 525.0 | 530.7 | 535.6 | 547.9 | 559.4 |
| 42.5° | 516.8 | 507.8 | 498.8 | 493.9 | 495.5 | 497.1 | 498.0 | 497.1 | 496.3 | 507.8 | 519.3 |
| 45° | 493.9 | 484.0 | 474.2 | 468.5 | 469.3 | 469.3 | 469.3 | 467.7 | 465.2 | 470.9 | 476.7 |
| 47.5° | 475.8 | 464.4 | 452.9 | 447.2 | 445.5 | 443.9 | 442.3 | 441.4 | 439.8 | 443.9 | 447.2 |
| 50° | 457.8 | 445.5 | 432.4 | 425.9 | 421.8 | 420.2 | 418.5 | 417.7 | 416.1 | 420.2 | 423.4 |
| 52.5° | 443.9 | 429.2 | 414.4 | 403.8 | 399.7 | 397.2 | 394.8 | 395.6 | 395.6 | 397.2 | 398.0 |
| 55° | 419.3 | 406.2 | 392.3 | 384.9 | 377.6 | 375.9 | 374.3 | 376.7 | 378.4 | 378.4 | 378.4 |
| 57.5° | 392.3 | 380.0 | 366.9 | 362.0 | 355.5 | 355.5 | 354.6 | 357.9 | 360.4 | 362.0 | 363.6 |
| 60° | 368.6 | 354.6 | 340.7 | 336.6 | 334.2 | 333.3 | 332.5 | 336.6 | 339.9 | 343.2 | 346.4 |
| 62.5° | 346.4 | 331.7 | 317.0 | 312.0 | 311.2 | 312.0 | 312.0 | 316.1 | 319.4 | 322.7 | 326.0 |
| 65° | 321.9 | 307.1 | 291.6 | 286.7 | 288.3 | 290.7 | 293.2 | 296.5 | 298.9 | 302.2 | 305.5 |
| 67.5° | 294.8 | 282.6 | 269.5 | 264.5 | 265.4 | 268.6 | 271.9 | 274.4 | 276.0 | 279.3 | 282.6 |
| 70° | 265.4 | 254.7 | 244.1 | 240.8 | 240.0 | 244.1 | 247.3 | 249.0 | 250.6 | 254.7 | 258.0 |
| 72.5° | 233.4 | 224.4 | 215.4 | 212.9 | 213.8 | 216.2 | 218.7 | 221.1 | 222.8 | 226.9 | 230.1 |
| 75° | 200.7 | 192.5 | 184.3 | 182.6 | 184.3 | 186.7 | 189.2 | 190.8 | 192.5 | 197.4 | 201.5 |
| 77.5° | 168.7 | 159.7 | 149.9 | 149.1 | 151.5 | 154.0 | 155.6 | 158.1 | 160.5 | 167.1 | 173.6 |
| 80° | 135.1 | 125.3 | 114.7 | 113.8 | 116.3 | 118.8 | 121.2 | 123.7 | 126.1 | 134.3 | 141.7 |
| 82.5° | 99.1 | 87.6 | 76.2 | 74.5 | 82.7 | 85.2 | 87.6 | 91.7 | 95.0 | 102.4 | 109.7 |
| 85° | 59.8 | 48.3 | 36.9 | 36.0 | 43.4 | 47.5 | 51.6 | 56.5 | 60.6 | 67.2 | 73.7 |
| 87.5° | 6.6 | 3.3 | 0.0 | 0.0 | 0.8 | 4.1 | 7.4 | 11.5 | 15.6 | 22.1 | 27.8 |
| 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 |



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 5246.6 | 5209.7 | 5247.4 | 5284.2 | 5299.8 | 5315.4 | 5275.2 | 5234.3 | 5298.2 | 5361.2 | 5377.6 |
| 5° | 4298.2 | 4264.6 | 4290.0 | 4314.5 | 4259.7 | 4204.8 | 4199.1 | 4192.5 | 4240.0 | 4287.5 | 4294.9 |
| 7.5° | 3331.7 | 3321.1 | 3344.8 | 3368.6 | 3299.0 | 3228.5 | 3194.1 | 3159.7 | 3171.2 | 3182.7 | 3181.0 |
| 10° | 2484.1 | 2490.6 | 2520.1 | 2548.8 | 2494.7 | 2440.6 | 2416.9 | 2393.1 | 2419.4 | 2444.7 | 2468.5 |
| 12.5° | 1860.8 | 1874.7 | 1905.8 | 1936.1 | 1914.0 | 1891.1 | 1893.5 | 1896.0 | 1926.3 | 1955.8 | 1982.0 |
| 15° | 1445.6 | 1461.9 | 1484.0 | 1505.3 | 1506.2 | 1506.2 | 1527.5 | 1547.9 | 1545.5 | 1543.0 | 1561.0 |
| 17.5° | 1196.6 | 1217.9 | 1220.3 | 1222.8 | 1223.6 | 1224.4 | 1222.8 | 1221.1 | 1208.9 | 1196.6 | 1210.5 |
| 20° | 1024.6 | 1032.0 | 1038.5 | 1044.2 | 1036.9 | 1028.7 | 1008.2 | 987.7 | 979.5 | 971.3 | 984.4 |
| 22.5° | 932.0 | 945.1 | 938.6 | 931.2 | 916.5 | 900.9 | 885.3 | 869.0 | 868.1 | 866.5 | 873.9 |
| 25° | 854.2 | 864.9 | 853.4 | 841.9 | 831.3 | 820.6 | 810.0 | 799.4 | 798.5 | 797.7 | 801.0 |
| 27.5° | 789.5 | 799.4 | 788.7 | 778.1 | 769.0 | 760.0 | 751.9 | 743.7 | 742.0 | 740.4 | 741.2 |
| 30° | 733.8 | 742.8 | 733.8 | 724.0 | 717.5 | 710.1 | 704.3 | 698.6 | 697.8 | 697.0 | 697.0 |
| 32.5° | 683.9 | 692.9 | 686.3 | 679.8 | 674.0 | 668.3 | 664.2 | 660.1 | 656.0 | 651.9 | 642.9 |
| 35° | 640.5 | 649.5 | 645.4 | 640.5 | 633.9 | 627.4 | 620.0 | 611.8 | 601.2 | 589.7 | 584.8 |
| 37.5° | 603.6 | 612.6 | 608.5 | 604.4 | 595.4 | 586.4 | 573.3 | 559.4 | 556.1 | 552.0 | 551.2 |
| 40° | 574.1 | 588.0 | 579.9 | 570.8 | 556.9 | 543.0 | 536.5 | 529.9 | 528.3 | 526.6 | 525.0 |
| 42.5° | 541.4 | 562.7 | 547.9 | 533.2 | 520.1 | 507.0 | 505.3 | 503.7 | 502.9 | 502.1 | 502.1 |
| 45° | 500.4 | 523.3 | 508.6 | 493.0 | 485.7 | 478.3 | 478.3 | 478.3 | 479.1 | 479.1 | 480.8 |
| 47.5° | 461.9 | 475.8 | 468.5 | 461.1 | 457.0 | 452.9 | 453.7 | 454.6 | 457.0 | 458.6 | 462.7 |
| 50° | 429.2 | 434.1 | 435.7 | 436.5 | 434.1 | 431.6 | 433.3 | 434.1 | 436.5 | 438.2 | 441.4 |
| 52.5° | 405.4 | 412.8 | 412.8 | 412.0 | 412.0 | 412.0 | 413.6 | 415.2 | 417.7 | 420.2 | 423.4 |
| 55° | 389.8 | 400.5 | 397.2 | 393.9 | 394.8 | 394.8 | 396.4 | 398.0 | 400.5 | 402.1 | 407.0 |
| 57.5° | 375.1 | 386.6 | 383.3 | 380.0 | 380.0 | 380.0 | 380.8 | 381.7 | 384.1 | 385.8 | 389.0 |
| 60° | 357.9 | 369.4 | 366.1 | 362.0 | 362.8 | 363.6 | 364.5 | 364.5 | 366.1 | 366.9 | 366.9 |
| 62.5° | 337.4 | 348.9 | 345.6 | 341.5 | 344.0 | 345.6 | 345.6 | 345.6 | 347.3 | 348.1 | 345.6 |
| 65° | 316.1 | 326.8 | 323.5 | 320.2 | 323.5 | 326.0 | 327.6 | 328.4 | 327.6 | 326.8 | 324.3 |
| 67.5° | 293.2 | 303.9 | 300.6 | 296.5 | 300.6 | 303.9 | 307.1 | 309.6 | 307.1 | 304.7 | 301.4 |
| 70° | 268.6 | 279.3 | 275.2 | 271.1 | 275.2 | 279.3 | 282.6 | 285.8 | 282.6 | 279.3 | 278.5 |
| 72.5° | 242.4 | 254.7 | 249.8 | 244.9 | 249.8 | 254.7 | 256.3 | 258.0 | 255.5 | 253.1 | 251.4 |
| 75° | 213.8 | 226.0 | 222.0 | 217.0 | 221.1 | 225.2 | 226.0 | 226.9 | 226.9 | 226.0 | 221.1 |
| 77.5° | 183.5 | 193.3 | 190.8 | 188.4 | 190.8 | 193.3 | 193.3 | 193.3 | 194.1 | 194.1 | 187.6 |
| 80° | 147.4 | 153.2 | 154.0 | 154.8 | 155.6 | 156.4 | 155.6 | 154.8 | 153.2 | 151.5 | 147.4 |
| 82.5° | 109.7 | 109.7 | 116.3 | 122.0 | 122.0 | 121.2 | 120.4 | 118.8 | 115.5 | 111.4 | 102.4 |
| 85° | 69.6 | 65.5 | 76.2 | 86.0 | 86.0 | 85.2 | 83.5 | 81.1 | 74.5 | 67.2 | 59.8 |
| 87.5° | 23.8 | 19.7 | 30.3 | 41.0 | 41.8 | 41.8 | 40.1 | 38.5 | 31.9 | 24.6 | 18.8 |
| 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 |



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 5402.2 | 5412.8 | 5422.7 | 5502.9 | 5582.4 | 5675.7 | 5769.1 | 5840.4 | 5910.8 | 5983.7 | 6056.6 |
| 5° | 4320.3 | 4333.4 | 4346.5 | 4443.9 | 4540.6 | 4670.8 | 4801.0 | 4913.2 | 5025.4 | 5157.3 | 5289.2 |
| 7.5° | 3202.3 | 3231.0 | 3258.8 | 3362.9 | 3466.0 | 3606.1 | 3745.3 | 3891.9 | 4037.7 | 4209.7 | 4381.7 |
| 10° | 2515.2 | 2569.2 | 2622.5 | 2728.9 | 2835.4 | 2973.8 | 3111.4 | 3264.6 | 3417.7 | 3587.3 | 3756.0 |
| 12.5° | 2036.1 | 2108.1 | 2179.4 | 2307.1 | 2434.9 | 2600.4 | 2765.0 | 2935.3 | 3104.9 | 3253.9 | 3403.0 |
| 15° | 1608.5 | 1687.2 | 1765.0 | 1900.1 | 2035.2 | 2217.1 | 2398.1 | 2584.0 | 2769.1 | 2947.6 | 3126.2 |
| 17.5° | 1254.7 | 1319.4 | 1383.3 | 1498.0 | 1611.8 | 1787.9 | 1964.0 | 2158.9 | 2353.8 | 2571.7 | 2788.7 |
| 20° | 1012.3 | 1039.3 | 1066.4 | 1149.1 | 1231.0 | 1374.3 | 1516.8 | 1715.8 | 1914.8 | 2175.3 | 2435.7 |
| 22.5° | 887.0 | 900.9 | 914.0 | 954.1 | 993.5 | 1086.0 | 1177.7 | 1353.8 | 1529.1 | 1813.3 | 2096.7 |
| 25° | 811.6 | 822.3 | 832.9 | 859.1 | 885.3 | 929.6 | 973.8 | 1097.5 | 1221.1 | 1500.4 | 1778.9 |
| 27.5° | 743.7 | 760.0 | 775.6 | 787.9 | 799.4 | 829.7 | 859.1 | 940.2 | 1021.3 | 1281.7 | 1541.4 |
| 30° | 694.5 | 700.3 | 706.0 | 724.8 | 742.8 | 774.0 | 805.1 | 861.6 | 918.1 | 1138.4 | 1357.9 |
| 32.5° | 637.2 | 645.4 | 653.6 | 673.2 | 692.9 | 721.5 | 750.2 | 796.1 | 841.1 | 1029.5 | 1217.0 |
| 35° | 585.6 | 593.8 | 602.0 | 621.6 | 640.5 | 671.6 | 701.9 | 740.4 | 778.1 | 941.9 | 1105.7 |
| 37.5° | 553.7 | 561.8 | 570.0 | 587.2 | 603.6 | 634.7 | 665.0 | 695.3 | 724.8 | 876.3 | 1027.9 |
| 40° | 526.6 | 534.8 | 543.0 | 559.4 | 574.9 | 605.2 | 634.7 | 660.1 | 685.5 | 827.2 | 968.9 |
| 42.5° | 502.9 | 511.9 | 520.9 | 537.3 | 552.8 | 579.9 | 606.9 | 640.5 | 673.2 | 784.6 | 895.2 |
| 45° | 483.2 | 492.2 | 500.4 | 518.4 | 536.5 | 562.7 | 588.9 | 635.6 | 682.2 | 762.5 | 842.8 |
| 47.5° | 465.2 | 475.0 | 484.0 | 503.7 | 523.3 | 556.1 | 588.0 | 627.4 | 665.9 | 745.3 | 824.7 |
| 50° | 448.0 | 459.5 | 470.9 | 494.7 | 517.6 | 572.5 | 626.5 | 632.3 | 637.2 | 731.4 | 824.7 |
| 52.5° | 431.6 | 444.7 | 457.8 | 487.3 | 516.0 | 579.9 | 643.7 | 623.3 | 602.0 | 705.2 | 808.4 |
| 55° | 415.2 | 426.7 | 437.4 | 473.4 | 509.4 | 556.1 | 602.8 | 575.8 | 547.9 | 656.0 | 764.1 |
| 57.5° | 393.1 | 405.4 | 416.9 | 455.4 | 493.9 | 526.6 | 558.6 | 534.0 | 508.6 | 600.3 | 691.2 |
| 60° | 370.2 | 384.1 | 398.0 | 447.2 | 495.5 | 489.8 | 483.2 | 478.3 | 472.6 | 538.1 | 603.6 |
| 62.5° | 349.7 | 364.5 | 379.2 | 443.1 | 507.0 | 467.7 | 428.3 | 432.4 | 435.7 | 484.0 | 532.4 |
| 65° | 329.2 | 344.0 | 357.9 | 389.8 | 421.8 | 406.2 | 390.7 | 397.2 | 403.0 | 450.5 | 498.0 |
| 67.5° | 306.3 | 319.4 | 331.7 | 342.3 | 353.0 | 354.6 | 356.3 | 362.8 | 369.4 | 425.9 | 481.6 |
| 70° | 280.9 | 291.6 | 302.2 | 309.6 | 316.1 | 319.4 | 321.9 | 330.1 | 338.3 | 399.7 | 461.1 |
| 72.5° | 252.3 | 261.3 | 269.5 | 276.0 | 282.6 | 285.0 | 286.7 | 294.8 | 303.0 | 368.6 | 434.1 |
| 75° | 221.1 | 228.5 | 235.1 | 240.8 | 246.5 | 249.8 | 253.1 | 258.8 | 264.5 | 335.8 | 406.2 |
| 77.5° | 186.7 | 194.1 | 200.7 | 205.6 | 209.7 | 212.9 | 215.4 | 222.8 | 230.1 | 289.9 | 348.9 |
| 80° | 145.8 | 154.8 | 163.0 | 167.1 | 170.4 | 171.2 | 171.2 | 177.7 | 184.3 | 226.9 | 268.6 |
| 82.5° | 103.2 | 113.0 | 122.0 | 125.3 | 128.6 | 128.6 | 128.6 | 136.0 | 143.3 | 172.0 | 199.8 |
| 85° | 60.6 | 71.3 | 81.1 | 84.4 | 87.6 | 89.3 | 90.1 | 93.4 | 95.8 | 116.3 | 136.0 |
| 87.5° | 18.8 | 27.8 | 36.0 | 37.7 | 39.3 | 42.6 | 45.9 | 46.7 | 46.7 | 60.6 | 74.5 |
| 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 |



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 | 6240.9 |
| 2.5° | 6140.1 | 6223.7 | 6321.1 | 6417.8 | 6500.5 | 6583.2 | 6652.0 |
| 5° | 5457.1 | 5625.0 | 5830.5 | 6035.3 | 6217.9 | 6400.6 | 6612.7 |
| 7.5° | 4598.7 | 4815.8 | 5082.0 | 5348.1 | 5606.1 | 5863.3 | 6189.3 |
| 10° | 3977.1 | 4197.4 | 4479.2 | 4760.1 | 5050.0 | 5339.1 | 5707.7 |
| 12.5° | 3582.3 | 3760.9 | 4033.6 | 4306.4 | 4647.1 | 4986.9 | 5341.6 |
| 15° | 3321.9 | 3516.8 | 3782.2 | 4047.5 | 4420.2 | 4792.8 | 5200.7 |
| 17.5° | 3044.3 | 3299.0 | 3638.9 | 3978.7 | 4420.2 | 4860.8 | 5341.6 |
| 20° | 2753.5 | 3070.5 | 3511.1 | 3951.7 | 4546.3 | 5140.1 | 5753.5 |
| 22.5° | 2463.6 | 2830.5 | 3395.6 | 3959.9 | 4737.2 | 5513.6 | 6341.6 |
| 25° | 2202.3 | 2625.7 | 3325.2 | 4023.8 | 5014.8 | 6005.0 | 7032.0 |
| 27.5° | 2004.1 | 2466.0 | 3296.5 | 4126.2 | 5367.0 | 6607.8 | 7783.0 |
| 30° | 1828.0 | 2298.1 | 3262.1 | 4226.1 | 5706.0 | 7185.2 | 8370.3 |
| 32.5° | 1675.7 | 2134.3 | 3195.8 | 4256.4 | 5942.7 | 7629.1 | 8867.4 |
| 35° | 1556.1 | 2006.6 | 3084.4 | 4162.2 | 6091.0 | 8019.7 | 9385.0 |
| 37.5° | 1452.9 | 1878.0 | 2957.4 | 4036.9 | 6222.8 | 8408.8 | 9967.3 |
| 40° | 1354.6 | 1740.4 | 2848.5 | 3955.8 | 6404.7 | 8853.5 | 10582.4 |
| 42.5° | 1261.3 | 1627.4 | 2760.9 | 3894.4 | 6573.4 | 9251.5 | 11120.5 |
| 45° | 1191.7 | 1540.6 | 2683.1 | 3824.8 | 6682.3 | 9539.8 | 11525.9 |
| 47.5° | 1157.3 | 1489.0 | 2641.3 | 3792.8 | 6791.2 | 9788.8 | 11862.5 |
| 50° | 1152.3 | 1479.9 | 2688.8 | 3897.7 | 7027.1 | 10155.7 | 12247.5 |
| 52.5° | 1151.5 | 1494.7 | 2825.6 | 4156.5 | 7465.3 | 10773.2 | 12664.3 |
| 55° | 1134.3 | 1503.7 | 2988.6 | 4472.6 | 8053.3 | 11633.2 | 13413.7 |
| 57.5° | 1081.9 | 1472.6 | 3156.5 | 4839.5 | 8674.9 | 12509.5 | 14258.1 |
| 60° | 1000.8 | 1397.2 | 3294.9 | 5191.7 | 9092.6 | 12992.8 | 14583.3 |
| 62.5° | 899.3 | 1265.4 | 3340.7 | 5415.3 | 9081.2 | 12747.1 | 14255.7 |
| 65° | 812.5 | 1127.0 | 3190.0 | 5252.3 | 8621.7 | 11990.3 | 13607.8 |
| 67.5° | 735.5 | 988.5 | 2813.3 | 4637.2 | 7795.3 | 10952.6 | 12783.9 |
| 70° | 679.8 | 897.6 | 2327.6 | 3757.6 | 6760.9 | 9763.4 | 11829.8 |
| 72.5° | 644.6 | 854.2 | 1897.6 | 2940.2 | 5486.5 | 8032.0 | 10118.9 |
| 75° | 596.2 | 786.2 | 1489.0 | 2190.9 | 4199.1 | 6207.3 | 7643.0 |
| 77.5° | 506.1 | 662.6 | 1122.0 | 1581.5 | 3081.1 | 4579.9 | 5315.4 |
| 80° | 390.7 | 511.9 | 771.5 | 1031.1 | 2120.4 | 3209.7 | 3624.1 |
| 82.5° | 278.5 | 357.1 | 467.7 | 578.2 | 1408.7 | 2238.4 | 2272.8 |
| 85° | 172.0 | 208.0 | 267.8 | 327.6 | 932.0 | 1536.5 | 1280.1 |
| 87.5° | 92.5 | 110.6 | 141.7 | 172.0 | 298.1 | 424.2 | 244.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320230
 CATALOG NUMBER: GLEON-SA6A-727-U-SLL

CANDELA DISTRIBUTION (continued):

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

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



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

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-1-R4

Test Date: 08/20/2019

Luminaire Tested: SA1C-727-U-5WQ

Test Information

Test Method: LM-79-2008
 Report Number: SP1-1908-441-1-R4
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1 - 76IN SPHERE
 Measurement Geometry: 4π
 Issue Date: 10/28/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS
 Product Line: McGRAW-EDISON
 Catalog Number: **SA1C-727-U-5WQ**
 Description: McGRAW EDISON ROADWAY AND AREA LUMINAIRE

THIS IS A REVISION OF SP1-1908-441-1-R3. TO UPDATE THE CATALOG NUMBER.TESTED IN SITU. (1) 70 CRI, 2700K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

Spectral Parameters

CCT (K): 2741
 CIE u': 0.2605
 CIE v': 0.5272
 Duv: 0.0005
 CIE x: 0.4573
 CIE y: 0.4113
 CIE z: 0.1313
 Peak Wavelength (nm): 602
 Dominant Wavelength (nm): 583
 Purity: 61.2
 Rf: 69.9
 Rg: 98.3

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 71.5 | | |
| R1: | 69.2 | R9: | -16.1 |
| R2: | 79.4 | R10: | 51.4 |
| R3: | 87.8 | R11: | 63.1 |
| R4: | 69.4 | R12: | 42.0 |
| R5: | 66.4 | R13: | 70.2 |
| R6: | 69.8 | R14: | 92.4 |
| R7: | 79.8 | | |
| R8: | 50.1 | | |



Test Conditions

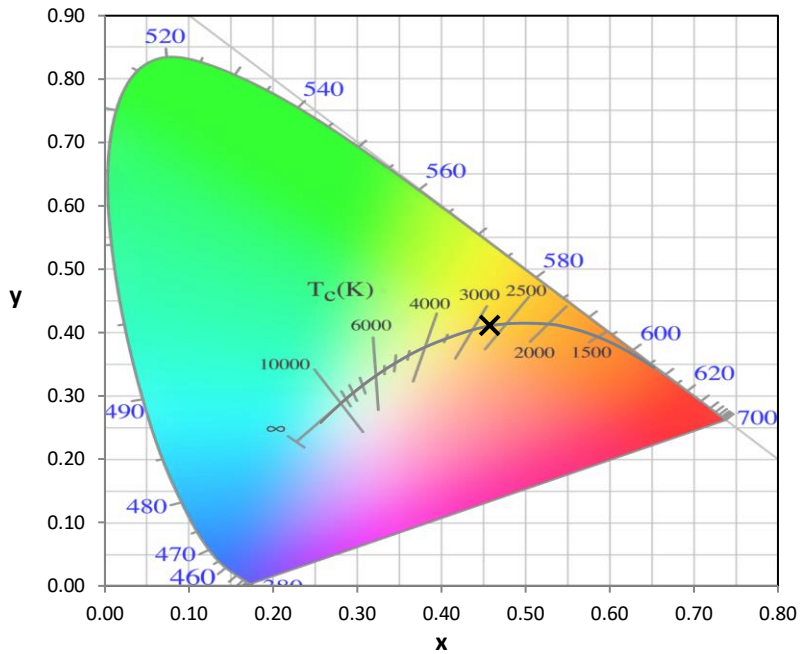
Stabilization Time: 56M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.3./42%
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-1-R4

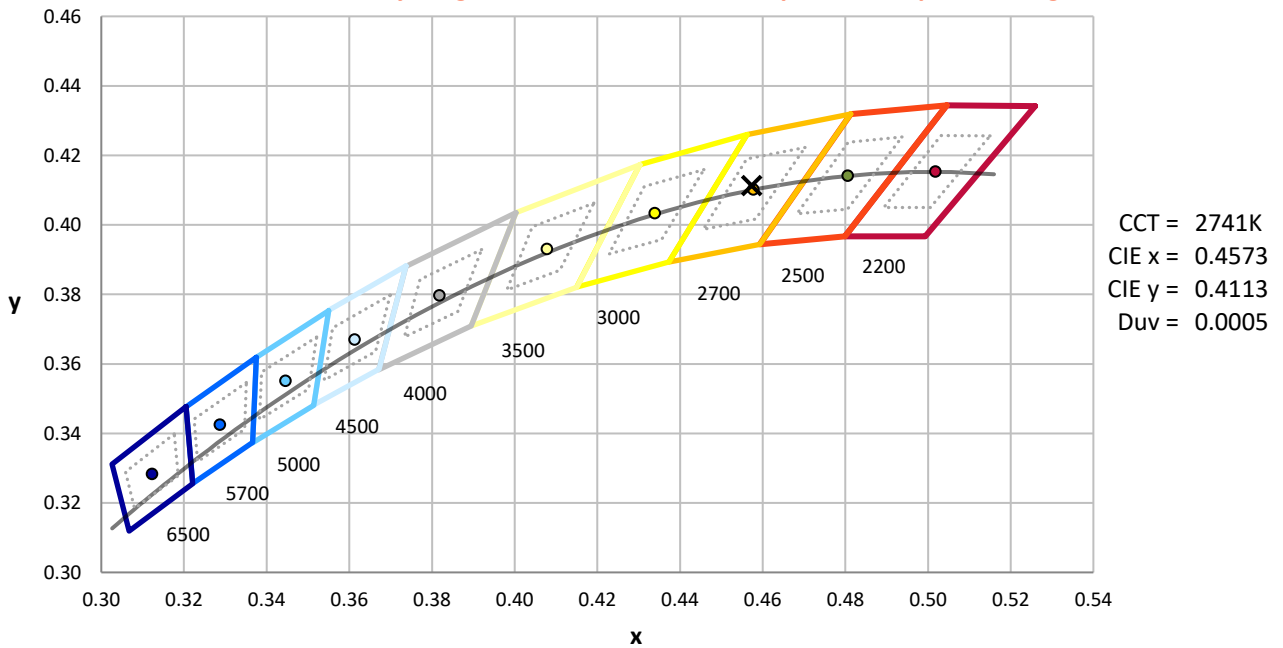
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 6/28/2019 | 12/28/2019 |
| Power Meter | IN0071 | 12/5/2018 | 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: SP1-1908-441-1-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle

REPORT NUMBER: SP1-1908-441-1-R4

Photopic Flux vs. Wavelength



Photopic Lumens: 6211.7

| λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) | λ (nm) | Power ($\mu\text{W}/\text{nm}$) | Lumens (ϕ/nm) |
|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|----------------|-----------------------------------|-----------------------------|
| 360 | 2044 | 0.0 | 490 | 7179 | 1.0 | 620 | 118034 | 30.7 | 750 | 8362 | 0.0 | 880 | 3128 | 0.0 |
| 365 | 2016 | 0.0 | 495 | 10476 | 1.9 | 625 | 111884 | 24.7 | 755 | 7635 | 0.0 | 885 | 3110 | 0.0 |
| 370 | 2020 | 0.0 | 500 | 15549 | 3.4 | 630 | 106119 | 19.2 | 760 | 6582 | 0.0 | 890 | 2632 | 0.0 |
| 375 | 2137 | 0.0 | 505 | 22477 | 6.3 | 635 | 99706 | 15.0 | 765 | 5777 | 0.0 | 895 | 2709 | 0.0 |
| 380 | 2046 | 0.0 | 510 | 30417 | 10.4 | 640 | 92142 | 11.0 | 770 | 5474 | 0.0 | 900 | 2016 | 0.0 |
| 385 | 1925 | 0.0 | 515 | 39274 | 16.3 | 645 | 84987 | 8.2 | 775 | 4977 | 0.0 | 905 | 1748 | 0.0 |
| 390 | 1893 | 0.0 | 520 | 47282 | 22.9 | 650 | 78016 | 5.7 | 780 | 4723 | 0.0 | 910 | 2046 | 0.0 |
| 395 | 1695 | 0.0 | 525 | 55413 | 29.7 | 655 | 71541 | 4.1 | 785 | 4219 | 0.0 | 915 | 1844 | 0.0 |
| 400 | 1633 | 0.0 | 530 | 62377 | 36.7 | 660 | 64863 | 2.7 | 790 | 3969 | 0.0 | 920 | 2734 | 0.0 |
| 405 | 2065 | 0.0 | 535 | 68520 | 42.5 | 665 | 58485 | 1.9 | 795 | 4122 | 0.0 | 925 | 2307 | 0.0 |
| 410 | 3449 | 0.0 | 540 | 73435 | 47.8 | 670 | 51641 | 1.1 | 800 | 2864 | 0.0 | 930 | 2039 | 0.0 |
| 415 | 7117 | 0.0 | 545 | 78677 | 52.4 | 675 | 46030 | 0.8 | 805 | 3151 | 0.0 | 935 | 1784 | 0.0 |
| 420 | 13992 | 0.0 | 550 | 83331 | 56.6 | 680 | 40590 | 0.5 | 810 | 3022 | 0.0 | 940 | 2464 | 0.0 |
| 425 | 25176 | 0.1 | 555 | 89120 | 60.9 | 685 | 35691 | 0.3 | 815 | 3471 | 0.0 | 945 | 2794 | 0.0 |
| 430 | 38151 | 0.3 | 560 | 94613 | 64.3 | 690 | 31631 | 0.2 | 820 | 2749 | 0.0 | 950 | 3090 | 0.0 |
| 435 | 49673 | 0.6 | 565 | 99818 | 66.4 | 695 | 27437 | 0.1 | 825 | 2729 | 0.0 | 955 | 1866 | 0.0 |
| 440 | 57273 | 0.9 | 570 | 106526 | 69.3 | 700 | 24589 | 0.1 | 830 | 2282 | 0.0 | 960 | 3110 | 0.0 |
| 445 | 54802 | 1.1 | 575 | 111610 | 69.4 | 705 | 21832 | 0.0 | 835 | 3140 | 0.0 | 965 | 3880 | 0.0 |
| 450 | 39184 | 1.0 | 580 | 117163 | 69.6 | 710 | 19500 | 0.0 | 840 | 2365 | 0.0 | 970 | 3243 | 0.0 |
| 455 | 22506 | 0.8 | 585 | 122201 | 67.9 | 715 | 17870 | 0.0 | 845 | 3024 | 0.0 | 975 | 2014 | 0.0 |
| 460 | 13692 | 0.6 | 590 | 125662 | 65.0 | 720 | 15924 | 0.0 | 850 | 2510 | 0.0 | 980 | 1688 | 0.0 |
| 465 | 9446 | 0.5 | 595 | 127415 | 60.4 | 725 | 14268 | 0.0 | 855 | 2739 | 0.0 | 985 | 2827 | 0.0 |
| 470 | 6698 | 0.4 | 600 | 129155 | 55.7 | 730 | 12438 | 0.0 | 860 | 3515 | 0.0 | 990 | 4172 | 0.0 |
| 475 | 5328 | 0.4 | 605 | 128057 | 49.6 | 735 | 11255 | 0.0 | 865 | 3600 | 0.0 | 995 | 3177 | 0.0 |
| 480 | 5081 | 0.5 | 610 | 126031 | 43.3 | 740 | 9951 | 0.0 | 870 | 3609 | 0.0 | 1000 | 3241 | 0.0 |
| 485 | 5579 | 0.7 | 615 | 123059 | 37.1 | 745 | 8870 | 0.0 | 875 | 3208 | 0.0 | | | |

REPORT NUMBER: SP1-1908-441-1-R4

Scotopic Flux vs. Wavelength



Scotopic Lumens: 6474.3

S/P: 1.04

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2044 | 0.0 | 490 | 7179 | 6.0 | 620 | 118034 | 0.1 | 750 | 8362 | 0.0 | 880 | 3128 | 0.0 |
| 365 | 2016 | 0.0 | 495 | 10476 | 8.6 | 625 | 111884 | 0.1 | 755 | 7635 | 0.0 | 885 | 3110 | 0.0 |
| 370 | 2020 | 0.0 | 500 | 15549 | 12.5 | 630 | 106119 | 0.0 | 760 | 6582 | 0.0 | 890 | 2632 | 0.0 |
| 375 | 2137 | 0.0 | 505 | 22477 | 17.3 | 635 | 99706 | 0.0 | 765 | 5777 | 0.0 | 895 | 2709 | 0.0 |
| 380 | 2046 | 0.0 | 510 | 30417 | 21.8 | 640 | 92142 | 0.0 | 770 | 5474 | 0.0 | 900 | 2016 | 0.0 |
| 385 | 1925 | 0.0 | 515 | 39274 | 25.7 | 645 | 84987 | 0.0 | 775 | 4977 | 0.0 | 905 | 1748 | 0.0 |
| 390 | 1893 | 0.0 | 520 | 47282 | 27.5 | 650 | 78016 | 0.0 | 780 | 4723 | 0.0 | 910 | 2046 | 0.0 |
| 395 | 1695 | 0.0 | 525 | 55413 | 28.1 | 655 | 71541 | 0.0 | 785 | 4219 | 0.0 | 915 | 1844 | 0.0 |
| 400 | 1633 | 0.0 | 530 | 62377 | 27.0 | 660 | 64863 | 0.0 | 790 | 3969 | 0.0 | 920 | 2734 | 0.0 |
| 405 | 2065 | 0.0 | 535 | 68520 | 24.7 | 665 | 58485 | 0.0 | 795 | 4122 | 0.0 | 925 | 2307 | 0.0 |
| 410 | 3449 | 0.1 | 540 | 73435 | 21.5 | 670 | 51641 | 0.0 | 800 | 2864 | 0.0 | 930 | 2039 | 0.0 |
| 415 | 7117 | 0.5 | 545 | 78677 | 18.3 | 675 | 46030 | 0.0 | 805 | 3151 | 0.0 | 935 | 1784 | 0.0 |
| 420 | 13992 | 1.6 | 550 | 83331 | 15.0 | 680 | 40590 | 0.0 | 810 | 3022 | 0.0 | 940 | 2464 | 0.0 |
| 425 | 25176 | 3.9 | 555 | 89120 | 12.0 | 685 | 35691 | 0.0 | 815 | 3471 | 0.0 | 945 | 2794 | 0.0 |
| 430 | 38151 | 8.1 | 560 | 94613 | 9.3 | 690 | 31631 | 0.0 | 820 | 2749 | 0.0 | 950 | 3090 | 0.0 |
| 435 | 49673 | 13.3 | 565 | 99818 | 7.0 | 695 | 27437 | 0.0 | 825 | 2729 | 0.0 | 955 | 1866 | 0.0 |
| 440 | 57273 | 19.1 | 570 | 106526 | 5.2 | 700 | 24589 | 0.0 | 830 | 2282 | 0.0 | 960 | 3110 | 0.0 |
| 445 | 54802 | 21.6 | 575 | 111610 | 3.7 | 705 | 21832 | 0.0 | 835 | 3140 | 0.0 | 965 | 3880 | 0.0 |
| 450 | 39184 | 18.1 | 580 | 117163 | 2.6 | 710 | 19500 | 0.0 | 840 | 2365 | 0.0 | 970 | 3243 | 0.0 |
| 455 | 22506 | 11.8 | 585 | 122201 | 1.8 | 715 | 17870 | 0.0 | 845 | 3024 | 0.0 | 975 | 2014 | 0.0 |
| 460 | 13692 | 8.1 | 590 | 125662 | 1.2 | 720 | 15924 | 0.0 | 850 | 2510 | 0.0 | 980 | 1688 | 0.0 |
| 465 | 9446 | 6.2 | 595 | 127415 | 0.8 | 725 | 14268 | 0.0 | 855 | 2739 | 0.0 | 985 | 2827 | 0.0 |
| 470 | 6698 | 4.8 | 600 | 129155 | 0.5 | 730 | 12438 | 0.0 | 860 | 3515 | 0.0 | 990 | 4172 | 0.0 |
| 475 | 5328 | 4.1 | 605 | 128057 | 0.4 | 735 | 11255 | 0.0 | 865 | 3600 | 0.0 | 995 | 3177 | 0.0 |
| 480 | 5081 | 4.1 | 610 | 126031 | 0.2 | 740 | 9951 | 0.0 | 870 | 3609 | 0.0 | 1000 | 3241 | 0.0 |
| 485 | 5579 | 4.6 | 615 | 123059 | 0.1 | 745 | 8870 | 0.0 | 875 | 3208 | 0.0 | | | |

REPORT NUMBER: SP1-1908-441-1-R4

Melanopic Flux vs. Wavelength



Melanopic Lumens: 2145.7 M/P: 0.35

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2044 | 0.0 | 490 | 7179 | 11.1 | 620 | 118034 | 1.5 | 750 | 8362 | 0.0 | 880 | 3128 | 0.0 |
| 365 | 2016 | 0.0 | 495 | 10476 | 16.9 | 625 | 111884 | 0.9 | 755 | 7635 | 0.0 | 885 | 3110 | 0.0 |
| 370 | 2020 | 0.0 | 500 | 15549 | 26.0 | 630 | 106119 | 0.6 | 760 | 6582 | 0.0 | 890 | 2632 | 0.0 |
| 375 | 2137 | 0.0 | 505 | 22477 | 38.2 | 635 | 99706 | 0.4 | 765 | 5777 | 0.0 | 895 | 2709 | 0.0 |
| 380 | 2046 | 0.0 | 510 | 30417 | 51.6 | 640 | 92142 | 0.2 | 770 | 5474 | 0.0 | 900 | 2016 | 0.0 |
| 385 | 1925 | 0.0 | 515 | 39274 | 65.1 | 645 | 84987 | 0.1 | 775 | 4977 | 0.0 | 905 | 1748 | 0.0 |
| 390 | 1893 | 0.0 | 520 | 47282 | 75.2 | 650 | 78016 | 0.1 | 780 | 4723 | 0.0 | 910 | 2046 | 0.0 |
| 395 | 1695 | 0.0 | 525 | 55413 | 82.9 | 655 | 71541 | 0.1 | 785 | 4219 | 0.0 | 915 | 1844 | 0.0 |
| 400 | 1633 | 0.0 | 530 | 62377 | 86.0 | 660 | 64863 | 0.0 | 790 | 3969 | 0.0 | 920 | 2734 | 0.0 |
| 405 | 2065 | 0.1 | 535 | 68520 | 85.4 | 665 | 58485 | 0.0 | 795 | 4122 | 0.0 | 925 | 2307 | 0.0 |
| 410 | 3449 | 0.2 | 540 | 73435 | 81.1 | 670 | 51641 | 0.0 | 800 | 2864 | 0.0 | 930 | 2039 | 0.0 |
| 415 | 7117 | 0.7 | 545 | 78677 | 75.4 | 675 | 46030 | 0.0 | 805 | 3151 | 0.0 | 935 | 1784 | 0.0 |
| 420 | 13992 | 2.3 | 550 | 83331 | 68.1 | 680 | 40590 | 0.0 | 810 | 3022 | 0.0 | 940 | 2464 | 0.0 |
| 425 | 25176 | 6.2 | 555 | 89120 | 60.9 | 685 | 35691 | 0.0 | 815 | 3471 | 0.0 | 945 | 2794 | 0.0 |
| 430 | 38151 | 13.0 | 560 | 94613 | 52.9 | 690 | 31631 | 0.0 | 820 | 2749 | 0.0 | 950 | 3090 | 0.0 |
| 435 | 49673 | 22.2 | 565 | 99818 | 44.8 | 695 | 27437 | 0.0 | 825 | 2729 | 0.0 | 955 | 1866 | 0.0 |
| 440 | 57273 | 32.0 | 570 | 106526 | 37.6 | 700 | 24589 | 0.0 | 830 | 2282 | 0.0 | 960 | 3110 | 0.0 |
| 445 | 54802 | 36.7 | 575 | 111610 | 30.4 | 705 | 21832 | 0.0 | 835 | 3140 | 0.0 | 965 | 3880 | 0.0 |
| 450 | 39184 | 30.4 | 580 | 117163 | 24.1 | 710 | 19500 | 0.0 | 840 | 2365 | 0.0 | 970 | 3243 | 0.0 |
| 455 | 22506 | 19.7 | 585 | 122201 | 18.7 | 715 | 17870 | 0.0 | 845 | 3024 | 0.0 | 975 | 2014 | 0.0 |
| 460 | 13692 | 13.2 | 590 | 125662 | 14.0 | 720 | 15924 | 0.0 | 850 | 2510 | 0.0 | 980 | 1688 | 0.0 |
| 465 | 9446 | 10.0 | 595 | 127415 | 10.2 | 725 | 14268 | 0.0 | 855 | 2739 | 0.0 | 985 | 2827 | 0.0 |
| 470 | 6698 | 7.7 | 600 | 129155 | 7.3 | 730 | 12438 | 0.0 | 860 | 3515 | 0.0 | 990 | 4172 | 0.0 |
| 475 | 5328 | 6.7 | 605 | 128057 | 5.0 | 735 | 11255 | 0.0 | 865 | 3600 | 0.0 | 995 | 3177 | 0.0 |
| 480 | 5081 | 6.9 | 610 | 126031 | 3.4 | 740 | 9951 | 0.0 | 870 | 3609 | 0.0 | 1000 | 3241 | 0.0 |
| 485 | 5579 | 8.1 | 615 | 123059 | 2.3 | 745 | 8870 | 0.0 | 875 | 3208 | 0.0 | | | |

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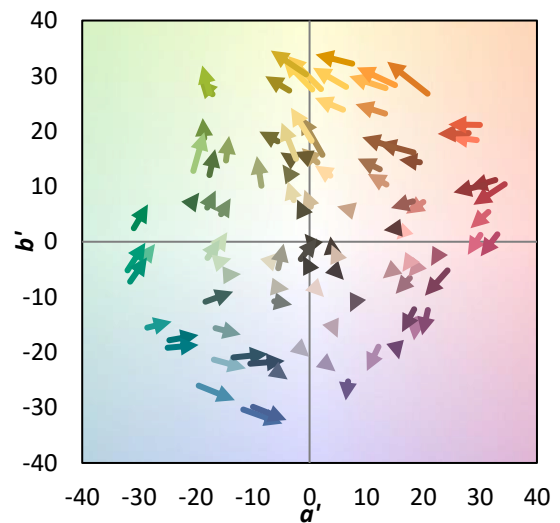
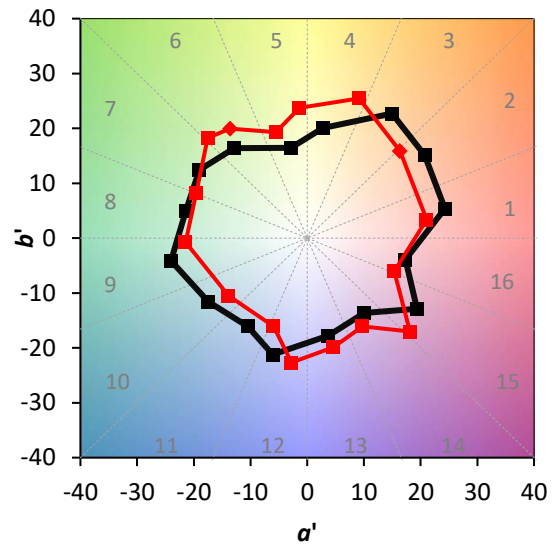
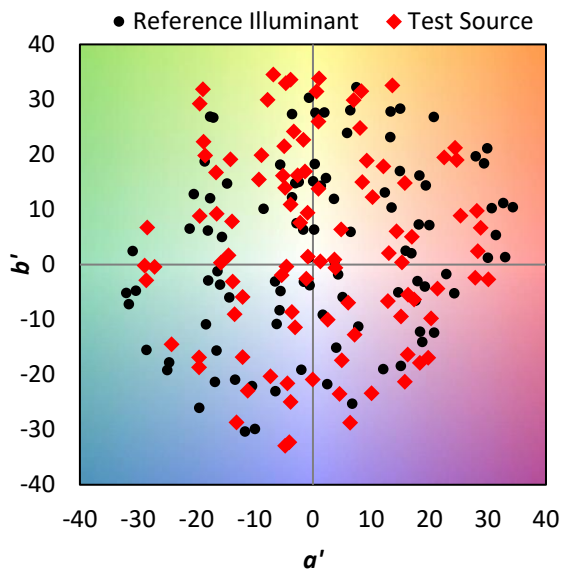
TM-30-18

Summary

$R_f = 69.9$
 $R_g = 98.3$
 CIE $R_a = 71.5$
 $R_g = -16.1$



Color Vector Graphics



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

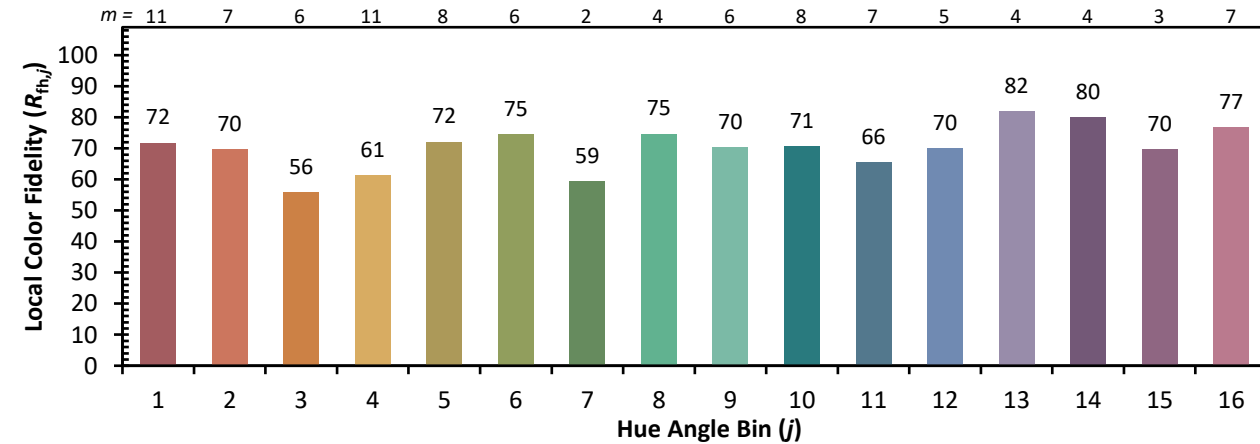
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|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 54 | CES51 = 77 | CES76 = 48 |
| CES02 = 63 | CES27 = 74 | CES52 = 80 | CES77 = 75 |
| CES03 = 31 | CES28 = 80 | CES53 = 66 | CES78 = 56 |
| CES04 = 71 | CES29 = 44 | CES54 = 77 | CES79 = 81 |
| CES05 = 50 | CES30 = 46 | CES55 = 74 | CES80 = 80 |
| CES06 = 52 | CES31 = 50 | CES56 = 63 | CES81 = 73 |
| CES07 = 42 | CES32 = 49 | CES57 = 60 | CES82 = 91 |
| CES08 = 41 | CES33 = 53 | CES58 = 63 | CES83 = 84 |
| CES09 = 29 | CES34 = 66 | CES59 = 85 | CES84 = 90 |
| CES10 = 77 | CES35 = 82 | CES60 = 89 | CES85 = 87 |
| CES11 = 60 | CES36 = 78 | CES61 = 85 | CES86 = 65 |
| CES12 = 66 | CES37 = 75 | CES62 = 69 | CES87 = 78 |
| CES13 = 43 | CES38 = 53 | CES63 = 68 | CES88 = 73 |
| CES14 = 74 | CES39 = 91 | CES64 = 68 | CES89 = 68 |
| CES15 = 71 | CES40 = 85 | CES65 = 65 | CES90 = 68 |
| CES16 = 48 | CES41 = 76 | CES66 = 62 | CES91 = 91 |
| CES17 = 50 | CES42 = 76 | CES67 = 60 | CES92 = 71 |
| CES18 = 57 | CES43 = 65 | CES68 = 68 | CES93 = 82 |
| CES19 = 73 | CES44 = 98 | CES69 = 77 | CES94 = 57 |
| CES20 = 67 | CES45 = 75 | CES70 = 60 | CES95 = 78 |
| CES21 = 88 | CES46 = 70 | CES71 = 57 | CES96 = 80 |
| CES22 = 80 | CES47 = 63 | CES72 = 86 | CES97 = 79 |
| CES23 = 92 | CES48 = 51 | CES73 = 52 | CES98 = 71 |
| CES24 = 91 | CES49 = 68 | CES74 = 90 | CES99 = 64 |
| CES25 = 73 | CES50 = 77 | CES75 = 58 | |



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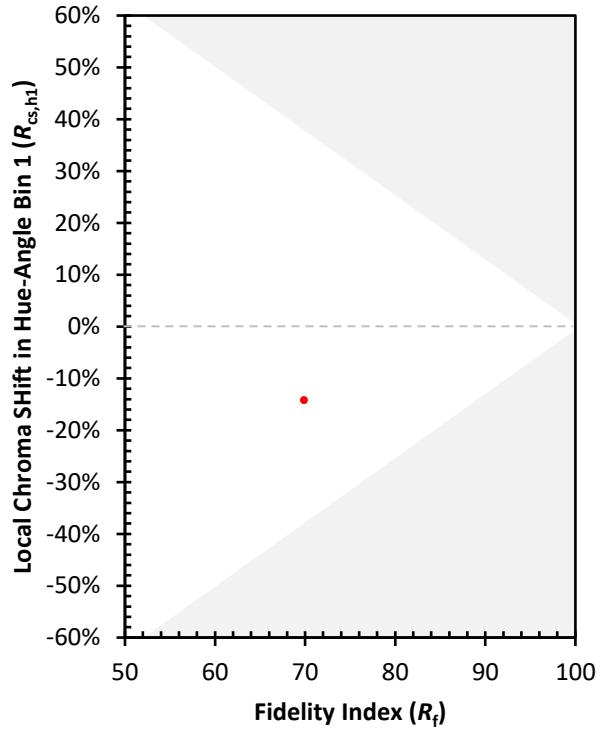
Color Rendition by Hue-Angle Bin



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TM-30-18

Measure Comparisons



(END OF REPORT)