

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: P320541

Luminaire Tested: **GLEON-SA7D-722-U-SLL**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320541  
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-SA7D-722-U-SLL  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35456 lumens  
Efficiency: N/A  
Efficacy: 79.1 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

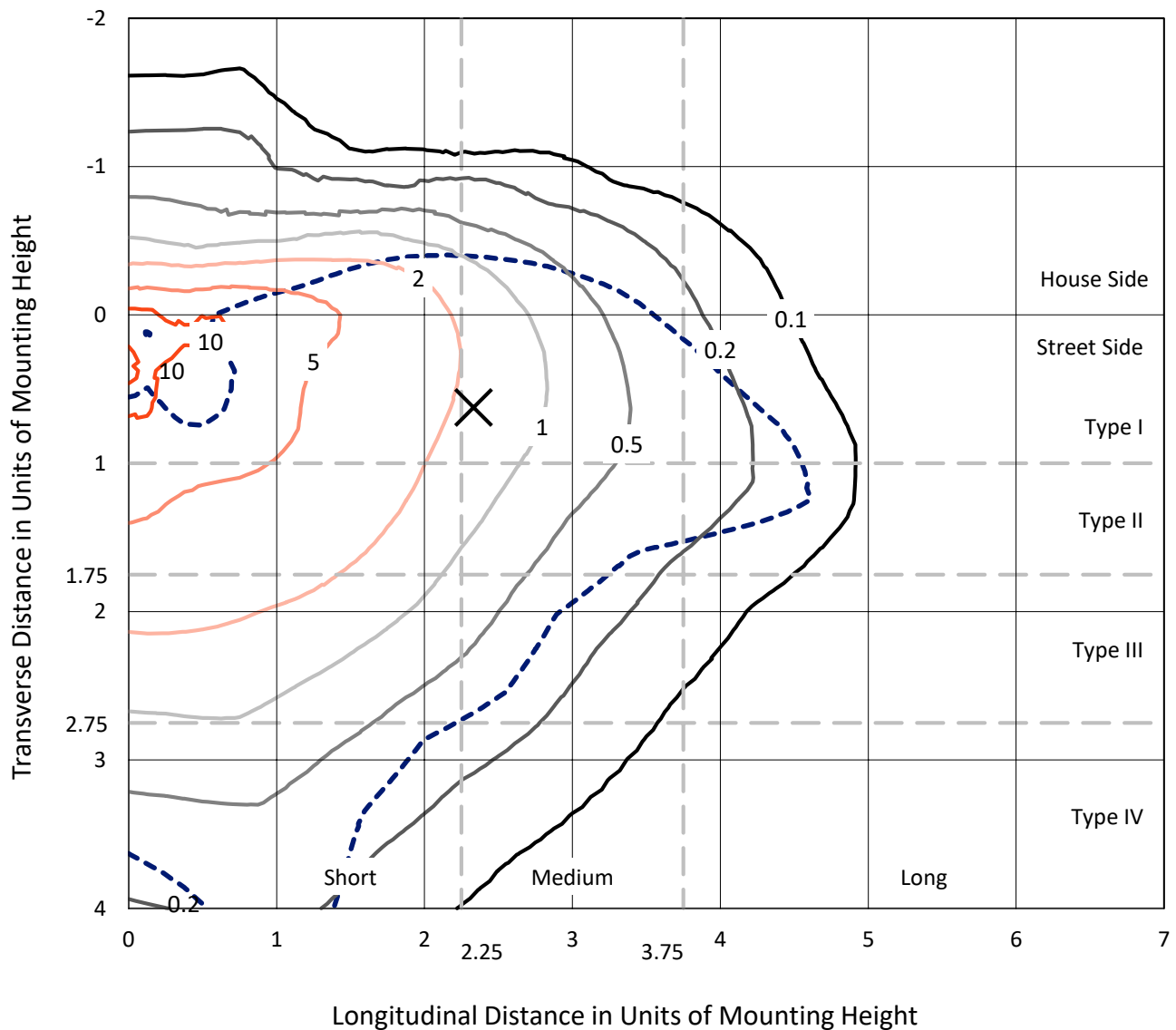
Input Watts (W): 448  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-U-SLL

## Iso-Footcandle Lines of Horizontal Illumination

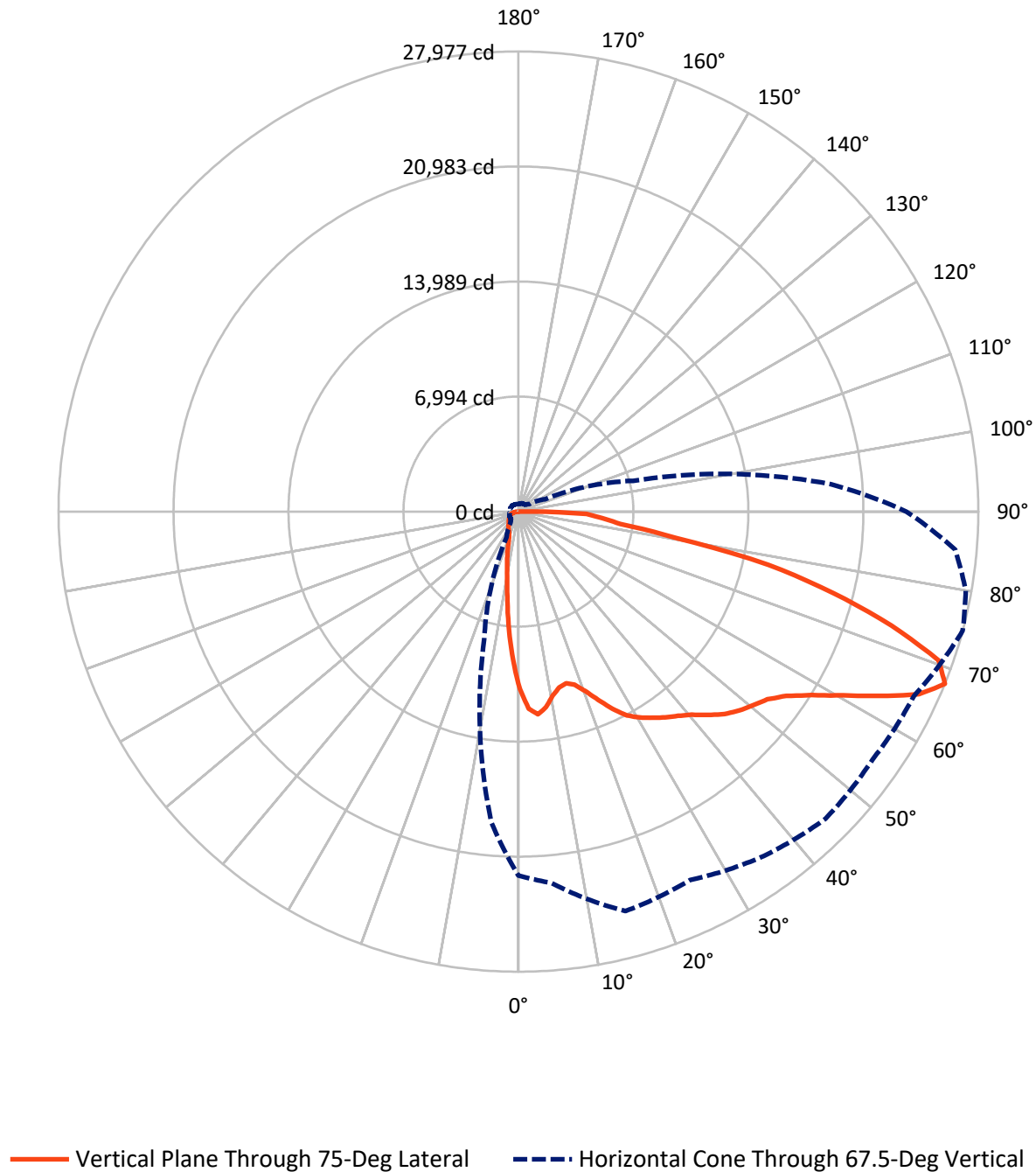
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 15.1 fc  
 Type III - Medium - N/A

REPORT NUMBER: P320541  
CATALOG NUMBER: GLEON-SA7D-722-U-SLL

## Luminous Intensity Polar Plot



REPORT NUMBER: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

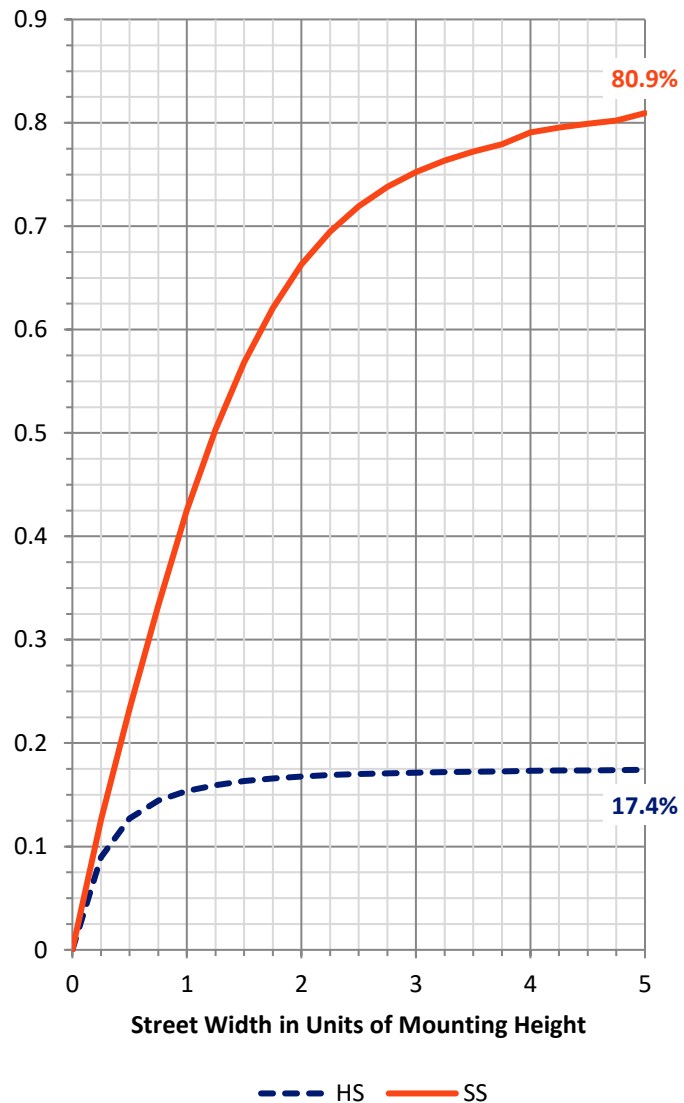
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6244.7   | 0.0    | 6244.7  |
|                    | % Fixture | 17.6     | 0.0    | 17.6    |
| <b>Street Side</b> | Lumens    | 29211.3  | 0.0    | 29211.3 |
|                    | % Fixture | 82.4     | 0.0    | 82.4    |
| <b>Total</b>       | Lumens    | 35456.0  | 0.0    | 35456.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 833.7   | 2.4       |
| 10°-20°   | 1731.8  | 4.9       |
| 20°-30°   | 2463.1  | 6.9       |
| 30°-40°   | 3549.3  | 10.0      |
| 40°-50°   | 5001.9  | 14.1      |
| 50°-60°   | 6953.5  | 19.6      |
| 60°-70°   | 8408.9  | 23.7      |
| 70°-80°   | 5168.8  | 14.6      |
| 80°-90°   | 1345.0  | 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°    | 35456.0 | 100.0     |
| 0°-180°   | 35456.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P320541

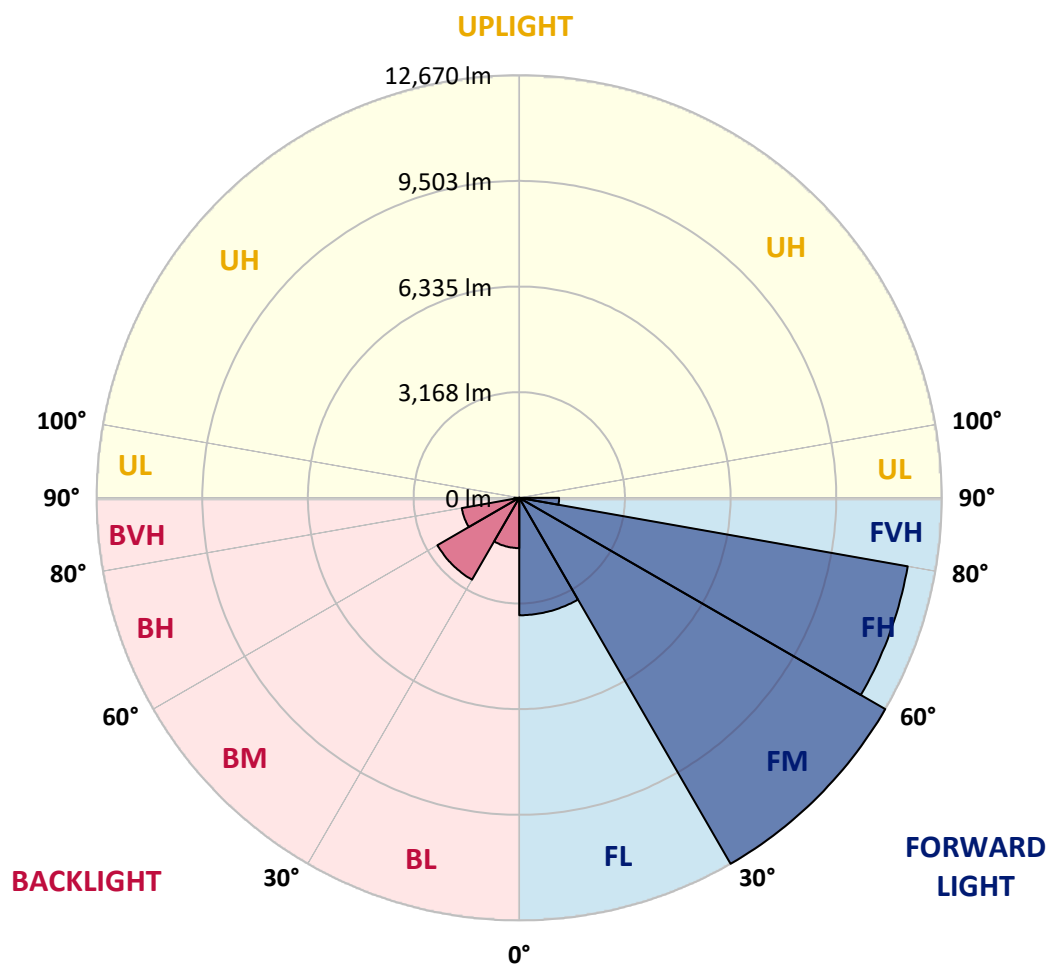
CATALOG NUMBER: GLEON-SA7D-722-U-SLL

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3520.4  | 9.9       |                         |      |          |
| FM   | (30°-60°)   | 12670.1 | 35.7      |                         |      |          |
| FH   | (60°-80°)   | 11826.9 | 33.4      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 1193.9  | 3.4       |                         |      | G5       |
| BL   | (0°-30°)    | 1508.2  | 4.3       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2834.6  | 8.0       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1750.8  | 4.9       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 151.1   | 0.4       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0     | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0     | 0.0       |                         | U0/0 |          |

**BUG Rating: B3-U0-G5**

Type III Medium



REPORT NUMBER: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 11513.5 | 11665.1 | 11770.0 | 11873.5 | 11954.3 | 12033.7 | 12149.9 | 12266.2 | 12288.9 | 12310.1 | 12264.8 |
| 5°     | 11445.4 | 11815.4 | 12130.1 | 12443.4 | 12734.0 | 13024.6 | 13198.9 | 13373.3 | 13408.7 | 13444.2 | 13335.0 |
| 7.5°   | 10712.5 | 11258.3 | 11804.1 | 12349.8 | 12850.2 | 13350.6 | 13655.4 | 13958.8 | 14028.2 | 14096.3 | 13917.6 |
| 10°    | 9879.0  | 10514.1 | 11184.6 | 11855.1 | 12514.3 | 13173.4 | 13614.3 | 14055.1 | 14143.0 | 14230.9 | 14008.4 |
| 12.5°  | 9245.4  | 9938.5  | 10654.4 | 11370.3 | 12066.3 | 12760.9 | 13217.4 | 13673.8 | 13783.0 | 13892.1 | 13730.5 |
| 15°    | 9001.5  | 9761.3  | 10434.7 | 11108.0 | 11714.7 | 12320.0 | 12694.3 | 13067.1 | 13112.5 | 13156.4 | 13130.9 |
| 17.5°  | 9245.4  | 10083.1 | 10692.7 | 11300.8 | 11631.1 | 11960.0 | 12110.2 | 12259.1 | 12308.7 | 12356.9 | 12422.1 |
| 20°    | 9958.4  | 10862.8 | 11292.3 | 11720.4 | 11706.2 | 11690.6 | 11618.4 | 11544.6 | 11531.9 | 11519.1 | 11703.4 |
| 22.5°  | 10976.2 | 12026.6 | 12198.1 | 12368.2 | 11969.9 | 11571.6 | 11329.2 | 11085.3 | 11037.2 | 10987.5 | 11183.2 |
| 25°    | 12171.2 | 13289.7 | 13258.5 | 13225.9 | 12467.5 | 11707.7 | 11245.5 | 10783.4 | 10729.5 | 10675.7 | 10842.9 |
| 27.5°  | 13471.1 | 14540.0 | 14335.8 | 14131.7 | 13101.1 | 12070.6 | 11400.0 | 10729.5 | 10675.7 | 10621.8 | 10769.2 |
| 30°    | 14487.5 | 15457.1 | 15129.7 | 14802.2 | 13635.5 | 12468.9 | 11672.2 | 10875.5 | 10787.7 | 10698.4 | 10879.8 |
| 32.5°  | 15348.0 | 16173.0 | 15733.5 | 15294.1 | 14069.3 | 12844.5 | 11982.7 | 11120.8 | 10983.3 | 10845.8 | 11088.2 |
| 35°    | 16243.9 | 16887.4 | 16269.4 | 15649.9 | 14456.3 | 13261.3 | 12349.8 | 11436.9 | 11268.2 | 11099.5 | 11432.7 |
| 37.5°  | 17251.8 | 17786.2 | 16898.8 | 16010.0 | 14891.5 | 13773.1 | 12899.8 | 12025.2 | 11852.3 | 11679.3 | 12104.6 |
| 40°    | 18316.3 | 18761.5 | 17577.8 | 16394.1 | 15367.8 | 14341.5 | 13661.1 | 12979.2 | 12814.8 | 12648.9 | 13164.9 |
| 42.5°  | 19247.7 | 19572.3 | 18210.0 | 16847.7 | 15941.9 | 15034.7 | 14555.5 | 14075.0 | 14073.6 | 14070.7 | 14593.8 |
| 45°    | 19949.4 | 20231.5 | 18737.4 | 17241.8 | 16501.9 | 15760.5 | 15511.0 | 15261.5 | 15461.4 | 15661.2 | 16134.7 |
| 47.5°  | 20532.0 | 20723.4 | 19179.6 | 17634.5 | 17142.6 | 16650.7 | 16687.6 | 16724.4 | 17131.3 | 17538.1 | 17842.9 |
| 50°    | 21198.2 | 21043.7 | 19580.8 | 18116.5 | 17964.8 | 17813.1 | 18144.8 | 18475.1 | 18942.9 | 19409.3 | 19616.2 |
| 52.5°  | 21919.8 | 21510.1 | 20125.2 | 18738.8 | 18908.9 | 19079.0 | 19753.8 | 20428.5 | 20900.6 | 21372.6 | 21450.6 |
| 55°    | 23216.9 | 22588.9 | 21126.0 | 19661.6 | 19989.1 | 20315.1 | 21306.0 | 22295.4 | 22664.0 | 23032.6 | 23060.9 |
| 57.5°  | 24678.4 | 24121.3 | 22527.9 | 20934.6 | 21286.1 | 21637.7 | 22781.7 | 23924.2 | 24322.6 | 24719.5 | 24664.2 |
| 60°    | 25241.1 | 25268.1 | 23859.0 | 22448.5 | 22802.9 | 23157.3 | 24271.5 | 25385.7 | 25843.6 | 26300.1 | 26178.2 |
| 62.5°  | 24674.1 | 25339.0 | 24586.2 | 23832.1 | 24153.9 | 24474.2 | 25565.8 | 26657.3 | 27126.5 | 27595.7 | 27383.1 |
| 65°    | 23552.8 | 24212.0 | 24549.4 | 24886.8 | 24993.1 | 25099.4 | 26118.6 | 27136.4 | 27496.5 | 27855.1 | 27747.4 |
| 67.5°  | 22126.8 | 22659.8 | 23904.4 | 25147.6 | 24933.5 | 24719.5 | 25197.2 | 25674.9 | 26044.9 | 26414.9 | 26353.9 |
| 70°    | 20475.3 | 21110.4 | 22770.3 | 24430.3 | 23378.5 | 22325.2 | 22128.2 | 21931.1 | 22330.9 | 22729.2 | 22482.6 |
| 72.5°  | 17514.0 | 18472.3 | 20242.8 | 22011.9 | 20074.1 | 18136.3 | 17463.0 | 16789.6 | 17295.7 | 17801.8 | 17409.1 |
| 75°    | 13228.7 | 14500.3 | 16456.5 | 18411.3 | 16099.3 | 13787.2 | 12888.5 | 11989.8 | 12424.9 | 12860.1 | 12590.8 |
| 77.5°  | 9200.0  | 10794.7 | 12721.2 | 14647.7 | 12297.4 | 9945.6  | 9278.0  | 8608.9  | 8739.3  | 8868.3  | 8822.9  |
| 80°    | 6272.7  | 7321.7  | 8665.6  | 10008.0 | 8443.0  | 6878.0  | 6930.5  | 6981.5  | 6920.5  | 6858.2  | 6948.9  |
| 82.5°  | 3933.7  | 4672.3  | 5709.9  | 6746.2  | 5915.5  | 5084.8  | 5561.1  | 6037.4  | 5803.5  | 5568.2  | 5656.1  |
| 85°    | 2215.7  | 2666.4  | 3681.4  | 4695.0  | 4376.0  | 4055.7  | 4334.9  | 4612.8  | 4249.9  | 3887.0  | 4047.1  |
| 87.5°  | 422.4   | 703.1   | 2037.0  | 3369.5  | 3059.1  | 2748.7  | 2388.6  | 2028.5  | 1548.0  | 1067.4  | 1559.3  |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 12219.4 | 12195.3 | 12171.2 | 12084.7 | 11996.8 | 11866.4 | 11758.7 | 11571.6 | 11469.5 | 11315.0 | 11160.5 |
| 5°     | 13224.5 | 13071.4 | 12918.3 | 12654.6 | 12389.5 | 12094.7 | 11755.9 | 11380.2 | 11096.7 | 10728.1 | 10359.6 |
| 7.5°   | 13739.0 | 13381.8 | 13023.2 | 12517.1 | 12009.6 | 11553.1 | 11017.3 | 10518.3 | 10093.1 | 9613.9  | 9134.8  |
| 10°    | 13785.8 | 13250.0 | 12712.7 | 12055.0 | 11395.8 | 10841.5 | 10224.9 | 9670.6  | 9160.3  | 8610.3  | 8058.9  |
| 12.5°  | 13567.5 | 12997.6 | 12426.4 | 11702.0 | 10976.2 | 10346.8 | 9683.4  | 9062.5  | 8496.9  | 7891.6  | 7284.9  |
| 15°    | 13105.4 | 12650.3 | 12193.9 | 11514.9 | 10835.9 | 10200.8 | 9557.2  | 8821.5  | 8182.2  | 7562.7  | 6941.8  |
| 17.5°  | 12485.9 | 12270.4 | 12053.5 | 11563.1 | 11071.2 | 10521.2 | 9897.4  | 9034.1  | 8285.7  | 7612.3  | 6939.0  |
| 20°    | 11886.3 | 11965.7 | 12043.6 | 11848.0 | 11652.4 | 11211.5 | 10667.2 | 9697.6  | 8742.1  | 7861.8  | 6980.1  |
| 22.5°  | 11377.4 | 11758.7 | 12138.6 | 12290.3 | 12440.5 | 12175.5 | 11750.2 | 10628.9 | 9364.4  | 8214.8  | 7065.1  |
| 25°    | 11008.8 | 11641.0 | 12273.3 | 12777.9 | 13281.2 | 13163.5 | 12836.0 | 11760.1 | 10189.4 | 8723.7  | 7256.5  |
| 27.5°  | 10916.7 | 11692.1 | 12467.5 | 13250.0 | 14031.0 | 14140.2 | 14049.5 | 12952.3 | 11173.2 | 9355.9  | 7537.2  |
| 30°    | 11061.3 | 11846.6 | 12630.5 | 13583.1 | 14534.3 | 14969.5 | 15091.4 | 13946.0 | 12297.4 | 10093.1 | 7887.3  |
| 32.5°  | 11330.6 | 12100.3 | 12870.1 | 13907.7 | 14944.0 | 15601.7 | 15990.1 | 14854.7 | 13081.3 | 10648.7 | 8214.8  |
| 35°    | 11765.8 | 12485.9 | 13206.0 | 14286.2 | 15366.4 | 16216.9 | 16925.7 | 15793.1 | 13777.3 | 11037.2 | 8295.6  |
| 37.5°  | 12528.4 | 13147.9 | 13767.4 | 14765.3 | 15761.9 | 16864.8 | 17929.3 | 16826.5 | 14530.0 | 11411.4 | 8291.3  |
| 40°    | 13680.9 | 14118.9 | 14555.5 | 15399.0 | 16241.0 | 17628.8 | 19066.2 | 17979.0 | 15362.1 | 11816.8 | 8271.5  |
| 42.5°  | 15116.9 | 15342.3 | 15566.3 | 16233.9 | 16901.6 | 18426.9 | 20098.2 | 19105.9 | 16156.0 | 12193.9 | 8231.8  |
| 45°    | 16606.8 | 16666.3 | 16725.8 | 17146.9 | 17566.5 | 19059.1 | 20801.3 | 19952.2 | 16849.2 | 12521.3 | 8192.1  |
| 47.5°  | 18146.2 | 17942.1 | 17738.0 | 17905.2 | 18072.5 | 19544.0 | 21303.1 | 20594.4 | 17545.2 | 12884.2 | 8221.9  |
| 50°    | 19823.2 | 19254.8 | 18686.3 | 18598.4 | 18510.5 | 20028.8 | 21894.3 | 21410.9 | 18381.6 | 13413.0 | 8444.4  |
| 52.5°  | 21527.1 | 20590.1 | 19653.1 | 19305.8 | 18957.1 | 20607.1 | 22678.2 | 22427.3 | 19575.1 | 14232.3 | 8888.1  |
| 55°    | 23089.3 | 21897.1 | 20704.9 | 20237.1 | 19769.3 | 21491.7 | 23635.0 | 23920.0 | 21104.7 | 15279.9 | 9453.7  |
| 57.5°  | 24607.5 | 23256.6 | 21905.6 | 21471.8 | 21038.1 | 22791.6 | 24847.1 | 25259.6 | 22649.8 | 16285.0 | 9918.7  |
| 60°    | 26056.2 | 24719.5 | 23381.3 | 23034.0 | 22685.3 | 24407.6 | 26156.9 | 25856.4 | 23446.5 | 16755.6 | 10063.3 |
| 62.5°  | 27170.4 | 26107.3 | 25044.1 | 24861.2 | 24677.0 | 26042.1 | 27163.4 | 25623.9 | 22940.4 | 16292.1 | 9643.7  |
| 65°    | 27639.7 | 27034.4 | 26427.6 | 26599.2 | 26769.3 | 27278.2 | 27414.3 | 24943.5 | 21349.9 | 14993.6 | 8637.2  |
| 67.5°  | 26291.6 | 26414.9 | 26538.2 | 27258.3 | 27977.0 | 27626.9 | 26668.6 | 23602.4 | 19086.1 | 13153.6 | 7221.1  |
| 70°    | 22234.5 | 22974.5 | 23713.0 | 25416.9 | 27119.4 | 26342.6 | 24671.3 | 21195.4 | 16361.5 | 11034.3 | 5705.7  |
| 72.5°  | 17015.0 | 17847.1 | 18677.8 | 21206.8 | 23734.3 | 23018.4 | 20971.4 | 17409.1 | 13118.1 | 8811.6  | 4503.6  |
| 75°    | 12320.0 | 13259.9 | 14198.3 | 16988.1 | 19777.9 | 18784.1 | 15686.8 | 12464.6 | 9964.1  | 6726.3  | 3487.2  |
| 77.5°  | 8776.1  | 9405.5  | 10034.9 | 12790.7 | 15545.0 | 13926.1 | 10441.8 | 8387.7  | 6896.4  | 4675.1  | 2452.4  |
| 80°    | 7039.6  | 6846.8  | 6654.0  | 8189.3  | 9724.5  | 9455.2  | 6906.4  | 5386.7  | 4772.9  | 3132.8  | 1492.7  |
| 82.5°  | 5742.6  | 5271.9  | 4801.3  | 5524.2  | 6247.2  | 6207.5  | 4792.8  | 3952.2  | 3552.4  | 2177.4  | 802.3   |
| 85°    | 4205.9  | 4017.4  | 3828.8  | 4468.2  | 5107.5  | 4561.7  | 3246.2  | 2511.9  | 2769.9  | 1603.3  | 436.6   |
| 87.5°  | 2051.2  | 2343.2  | 2633.8  | 3388.0  | 4140.7  | 3108.7  | 985.2   | 487.6   | 674.8   | 443.7   | 211.2   |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 11045.7 | 10929.4 | 10797.6 | 10665.8 | 10515.5 | 10363.8 | 10274.5 | 10183.8 | 10086.0 | 9988.2  | 9877.6  |
| 5°     | 10115.7 | 9871.9  | 9595.5  | 9319.1  | 9045.5  | 8771.9  | 8624.5  | 8477.0  | 8321.1  | 8163.8  | 8027.7  |
| 7.5°   | 8780.4  | 8424.6  | 8041.8  | 7657.7  | 7317.5  | 6975.8  | 6764.6  | 6552.0  | 6359.2  | 6165.0  | 6002.0  |
| 10°    | 7605.2  | 7151.6  | 6767.4  | 6381.9  | 6125.3  | 5868.7  | 5674.5  | 5480.3  | 5293.2  | 5104.6  | 4924.6  |
| 12.5°  | 6831.2  | 6377.6  | 6133.8  | 5890.0  | 5677.3  | 5464.7  | 5240.7  | 5015.3  | 4758.8  | 4500.8  | 4312.2  |
| 15°    | 6529.3  | 6116.8  | 5846.0  | 5573.9  | 5288.9  | 5002.6  | 4727.6  | 4452.6  | 4149.2  | 3845.9  | 3631.8  |
| 17.5°  | 6398.9  | 5858.8  | 5480.3  | 5100.4  | 4724.7  | 4349.1  | 4030.1  | 3711.2  | 3379.5  | 3047.8  | 2830.9  |
| 20°    | 6261.4  | 5542.7  | 5035.2  | 4526.3  | 4044.3  | 3562.3  | 3200.9  | 2839.4  | 2543.1  | 2246.8  | 2081.0  |
| 22.5°  | 6136.6  | 5206.7  | 4570.2  | 3932.3  | 3362.5  | 2792.6  | 2438.2  | 2082.4  | 1901.0  | 1719.5  | 1652.9  |
| 25°    | 6085.6  | 4913.3  | 4130.8  | 3348.3  | 2747.2  | 2144.8  | 1892.4  | 1640.1  | 1570.7  | 1499.8  | 1465.8  |
| 27.5°  | 6094.1  | 4651.0  | 3760.8  | 2869.1  | 2327.6  | 1786.1  | 1613.2  | 1440.2  | 1397.7  | 1353.8  | 1332.5  |
| 30°    | 6126.7  | 4366.1  | 3412.1  | 2458.1  | 2011.5  | 1565.0  | 1453.0  | 1339.6  | 1294.2  | 1248.9  | 1221.9  |
| 32.5°  | 6163.6  | 4110.9  | 3142.7  | 2173.1  | 1808.8  | 1443.1  | 1350.9  | 1257.4  | 1213.4  | 1169.5  | 1142.6  |
| 35°    | 6099.8  | 3902.6  | 2958.5  | 2014.4  | 1678.4  | 1341.0  | 1263.0  | 1183.7  | 1135.5  | 1087.3  | 1061.8  |
| 37.5°  | 5992.0  | 3692.8  | 2815.3  | 1936.4  | 1593.3  | 1248.9  | 1192.2  | 1134.1  | 1084.4  | 1033.4  | 1009.3  |
| 40°    | 5894.2  | 3515.6  | 2709.0  | 1901.0  | 1546.6  | 1190.8  | 1142.6  | 1094.4  | 1043.3  | 990.9   | 962.5   |
| 42.5°  | 5814.8  | 3396.5  | 2604.1  | 1811.6  | 1504.0  | 1195.0  | 1127.0  | 1057.5  | 1007.9  | 958.3   | 927.1   |
| 45°    | 5755.3  | 3318.5  | 2521.8  | 1725.2  | 1464.3  | 1203.5  | 1117.0  | 1030.6  | 981.0   | 929.9   | 893.1   |
| 47.5°  | 5749.6  | 3277.4  | 2463.7  | 1650.0  | 1389.2  | 1127.0  | 1091.5  | 1056.1  | 983.8   | 910.1   | 867.5   |
| 50°    | 5827.6  | 3210.8  | 2395.7  | 1579.2  | 1316.9  | 1054.7  | 1102.9  | 1149.6  | 1026.3  | 901.6   | 847.7   |
| 52.5°  | 5990.6  | 3093.1  | 2287.9  | 1482.8  | 1229.0  | 973.9   | 1049.0  | 1122.7  | 1016.4  | 908.7   | 839.2   |
| 55°    | 6187.7  | 2920.2  | 2124.9  | 1328.3  | 1112.8  | 895.9   | 962.5   | 1027.7  | 961.1   | 893.1   | 809.4   |
| 57.5°  | 6311.0  | 2701.9  | 1919.4  | 1136.9  | 982.4   | 827.9   | 866.1   | 903.0   | 876.1   | 849.1   | 764.1   |
| 60°    | 6237.3  | 2411.3  | 1688.3  | 963.9   | 867.5   | 771.2   | 764.1   | 755.6   | 795.3   | 834.9   | 737.1   |
| 62.5°  | 5877.2  | 2110.8  | 1484.2  | 857.6   | 785.3   | 711.6   | 696.0   | 679.0   | 744.2   | 808.0   | 704.5   |
| 65°    | 5269.1  | 1901.0  | 1355.2  | 809.4   | 728.6   | 647.8   | 630.8   | 613.8   | 633.7   | 653.5   | 605.3   |
| 67.5°  | 4496.5  | 1772.0  | 1281.5  | 791.0   | 693.2   | 594.0   | 574.1   | 554.3   | 550.0   | 545.8   | 528.8   |
| 70°    | 3699.8  | 1692.6  | 1233.3  | 774.0   | 654.9   | 534.4   | 516.0   | 497.6   | 491.9   | 484.8   | 472.0   |
| 72.5°  | 3093.1  | 1682.6  | 1227.6  | 772.6   | 623.7   | 474.9   | 457.9   | 440.9   | 433.8   | 425.3   | 415.3   |
| 75°    | 2533.2  | 1579.2  | 1165.2  | 751.3   | 581.2   | 409.7   | 394.1   | 378.5   | 372.8   | 365.7   | 357.2   |
| 77.5°  | 1879.7  | 1307.0  | 979.5   | 652.1   | 497.6   | 343.1   | 327.5   | 310.4   | 309.0   | 306.2   | 299.1   |
| 80°    | 1219.1  | 945.5   | 700.3   | 455.0   | 362.9   | 269.3   | 256.6   | 242.4   | 243.8   | 245.2   | 239.6   |
| 82.5°  | 677.6   | 551.4   | 428.1   | 304.8   | 248.1   | 191.4   | 185.7   | 178.6   | 182.9   | 185.7   | 178.6   |
| 85°    | 357.2   | 277.8   | 229.6   | 181.4   | 143.2   | 104.9   | 104.9   | 103.5   | 109.2   | 114.8   | 109.2   |
| 87.5°  | 154.5   | 97.8    | 83.6    | 68.0    | 38.3    | 7.1     | 8.5     | 8.5     | 11.3    | 14.2    | 12.8    |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 9765.6  | 9662.1  | 9557.2  | 9442.4  | 9463.7  | 9375.8  | 9287.9  | 9232.6  | 9177.3  | 9160.3  | 9143.3  |
| 5°     | 7891.6  | 7773.9  | 7654.8  | 7548.5  | 7640.7  | 7578.3  | 7515.9  | 7507.4  | 7497.5  | 7497.5  | 7496.1  |
| 7.5°   | 5838.9  | 5712.8  | 5585.2  | 5497.3  | 5588.0  | 5576.7  | 5565.4  | 5626.3  | 5687.3  | 5736.9  | 5785.1  |
| 10°    | 4744.6  | 4591.5  | 4437.0  | 4306.6  | 4283.9  | 4218.7  | 4152.0  | 4166.2  | 4179.0  | 4232.8  | 4286.7  |
| 12.5°  | 4123.7  | 3940.8  | 3758.0  | 3604.9  | 3535.4  | 3427.7  | 3318.5  | 3250.5  | 3182.4  | 3189.5  | 3195.2  |
| 15°    | 3416.3  | 3239.1  | 3060.5  | 2928.7  | 2884.7  | 2801.1  | 2717.5  | 2632.4  | 2545.9  | 2510.5  | 2473.6  |
| 17.5°  | 2612.6  | 2470.8  | 2327.6  | 2239.8  | 2239.8  | 2215.7  | 2191.6  | 2149.0  | 2105.1  | 2069.6  | 2032.8  |
| 20°    | 1915.1  | 1840.0  | 1763.4  | 1726.6  | 1737.9  | 1739.4  | 1739.4  | 1760.6  | 1781.9  | 1770.5  | 1759.2  |
| 22.5°  | 1584.8  | 1557.9  | 1531.0  | 1515.4  | 1521.0  | 1522.5  | 1523.9  | 1543.7  | 1562.2  | 1576.3  | 1589.1  |
| 25°    | 1430.3  | 1413.3  | 1396.3  | 1390.6  | 1403.4  | 1404.8  | 1404.8  | 1417.6  | 1430.3  | 1444.5  | 1458.7  |
| 27.5°  | 1309.8  | 1302.7  | 1295.7  | 1285.7  | 1298.5  | 1298.5  | 1297.1  | 1311.2  | 1324.0  | 1336.8  | 1348.1  |
| 30°    | 1195.0  | 1197.8  | 1199.3  | 1196.4  | 1204.9  | 1210.6  | 1214.9  | 1224.8  | 1233.3  | 1243.2  | 1253.1  |
| 32.5°  | 1114.2  | 1110.0  | 1105.7  | 1102.9  | 1121.3  | 1131.2  | 1141.1  | 1151.1  | 1159.6  | 1163.8  | 1168.1  |
| 35°    | 1036.2  | 1026.3  | 1016.4  | 1009.3  | 1026.3  | 1039.1  | 1051.8  | 1070.3  | 1087.3  | 1090.1  | 1092.9  |
| 37.5°  | 983.8   | 971.0   | 958.3   | 949.8   | 956.9   | 962.5   | 968.2   | 988.0   | 1007.9  | 1019.2  | 1029.2  |
| 40°    | 934.2   | 921.4   | 908.7   | 901.6   | 905.8   | 907.2   | 908.7   | 918.6   | 927.1   | 948.4   | 968.2   |
| 42.5°  | 894.5   | 878.9   | 863.3   | 854.8   | 857.6   | 860.5   | 861.9   | 860.5   | 859.0   | 878.9   | 898.7   |
| 45°    | 854.8   | 837.8   | 820.8   | 810.8   | 812.3   | 812.3   | 812.3   | 809.4   | 805.2   | 815.1   | 825.0   |
| 47.5°  | 823.6   | 803.8   | 783.9   | 774.0   | 771.2   | 768.3   | 765.5   | 764.1   | 761.2   | 768.3   | 774.0   |
| 50°    | 792.4   | 771.2   | 748.5   | 737.1   | 730.0   | 727.2   | 724.4   | 723.0   | 720.1   | 727.2   | 732.9   |
| 52.5°  | 768.3   | 742.8   | 717.3   | 698.9   | 691.8   | 687.5   | 683.3   | 684.7   | 684.7   | 687.5   | 688.9   |
| 55°    | 725.8   | 703.1   | 679.0   | 666.3   | 653.5   | 650.7   | 647.8   | 652.1   | 654.9   | 654.9   | 654.9   |
| 57.5°  | 679.0   | 657.7   | 635.1   | 626.6   | 615.2   | 615.2   | 613.8   | 619.5   | 623.7   | 626.6   | 629.4   |
| 60°    | 637.9   | 613.8   | 589.7   | 582.6   | 578.4   | 576.9   | 575.5   | 582.6   | 588.3   | 594.0   | 599.6   |
| 62.5°  | 599.6   | 574.1   | 548.6   | 540.1   | 538.7   | 540.1   | 540.1   | 547.2   | 552.8   | 558.5   | 564.2   |
| 65°    | 557.1   | 531.6   | 504.7   | 496.1   | 499.0   | 503.2   | 507.5   | 513.2   | 517.4   | 523.1   | 528.8   |
| 67.5°  | 510.3   | 489.1   | 466.4   | 457.9   | 459.3   | 465.0   | 470.6   | 474.9   | 477.7   | 483.4   | 489.1   |
| 70°    | 459.3   | 440.9   | 422.4   | 416.8   | 415.3   | 422.4   | 428.1   | 430.9   | 433.8   | 440.9   | 446.5   |
| 72.5°  | 404.0   | 388.4   | 372.8   | 368.6   | 370.0   | 374.2   | 378.5   | 382.7   | 385.6   | 392.7   | 398.3   |
| 75°    | 347.3   | 333.1   | 319.0   | 316.1   | 319.0   | 323.2   | 327.5   | 330.3   | 333.1   | 341.6   | 348.7   |
| 77.5°  | 292.0   | 276.4   | 259.4   | 258.0   | 262.2   | 266.5   | 269.3   | 273.6   | 277.8   | 289.2   | 300.5   |
| 80°    | 233.9   | 216.9   | 198.5   | 197.0   | 201.3   | 205.5   | 209.8   | 214.1   | 218.3   | 232.5   | 245.2   |
| 82.5°  | 171.5   | 151.7   | 131.8   | 129.0   | 143.2   | 147.4   | 151.7   | 158.8   | 164.4   | 177.2   | 190.0   |
| 85°    | 103.5   | 83.6    | 63.8    | 62.4    | 75.1    | 82.2    | 89.3    | 97.8    | 104.9   | 116.2   | 127.6   |
| 87.5°  | 11.3    | 5.7     | 0.0     | 0.0     | 1.4     | 7.1     | 12.8    | 19.8    | 26.9    | 38.3    | 48.2    |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 9080.9  | 9017.1  | 9082.3  | 9146.1  | 9173.1  | 9200.0  | 9130.5  | 9059.7  | 9170.2  | 9279.4  | 9307.7  |
| 5°     | 7439.4  | 7381.3  | 7425.2  | 7467.7  | 7372.7  | 7277.8  | 7267.8  | 7256.5  | 7338.7  | 7420.9  | 7433.7  |
| 7.5°   | 5766.6  | 5748.2  | 5789.3  | 5830.4  | 5709.9  | 5588.0  | 5528.5  | 5469.0  | 5488.8  | 5508.7  | 5505.8  |
| 10°    | 4299.5  | 4310.8  | 4361.8  | 4411.5  | 4317.9  | 4224.3  | 4183.2  | 4142.1  | 4187.5  | 4231.4  | 4272.5  |
| 12.5°  | 3220.7  | 3244.8  | 3298.7  | 3351.1  | 3312.8  | 3273.2  | 3277.4  | 3281.7  | 3334.1  | 3385.1  | 3430.5  |
| 15°    | 2502.0  | 2530.4  | 2568.6  | 2605.5  | 2606.9  | 2606.9  | 2643.8  | 2679.2  | 2674.9  | 2670.7  | 2701.9  |
| 17.5°  | 2071.1  | 2107.9  | 2112.2  | 2116.4  | 2117.8  | 2119.3  | 2116.4  | 2113.6  | 2092.3  | 2071.1  | 2095.2  |
| 20°    | 1773.4  | 1786.1  | 1797.5  | 1807.4  | 1794.6  | 1780.5  | 1745.0  | 1709.6  | 1695.4  | 1681.2  | 1703.9  |
| 22.5°  | 1613.2  | 1635.9  | 1624.5  | 1611.8  | 1586.3  | 1559.3  | 1532.4  | 1504.0  | 1502.6  | 1499.8  | 1512.5  |
| 25°    | 1478.5  | 1496.9  | 1477.1  | 1457.3  | 1438.8  | 1420.4  | 1402.0  | 1383.5  | 1382.1  | 1380.7  | 1386.4  |
| 27.5°  | 1366.5  | 1383.5  | 1365.1  | 1346.7  | 1331.1  | 1315.5  | 1301.3  | 1287.1  | 1284.3  | 1281.5  | 1282.9  |
| 30°    | 1270.1  | 1285.7  | 1270.1  | 1253.1  | 1241.8  | 1229.0  | 1219.1  | 1209.2  | 1207.8  | 1206.3  | 1206.3  |
| 32.5°  | 1183.7  | 1199.3  | 1187.9  | 1176.6  | 1166.7  | 1156.7  | 1149.6  | 1142.6  | 1135.5  | 1128.4  | 1112.8  |
| 35°    | 1108.5  | 1124.1  | 1117.0  | 1108.5  | 1097.2  | 1085.9  | 1073.1  | 1058.9  | 1040.5  | 1020.6  | 1012.1  |
| 37.5°  | 1044.7  | 1060.3  | 1053.2  | 1046.2  | 1030.6  | 1015.0  | 992.3   | 968.2   | 962.5   | 955.4   | 954.0   |
| 40°    | 993.7   | 1017.8  | 1003.6  | 988.0   | 963.9   | 939.8   | 928.5   | 917.2   | 914.3   | 911.5   | 908.7   |
| 42.5°  | 937.0   | 973.9   | 948.4   | 922.8   | 900.2   | 877.5   | 874.6   | 871.8   | 870.4   | 869.0   | 869.0   |
| 45°    | 866.1   | 905.8   | 880.3   | 853.4   | 840.6   | 827.9   | 827.9   | 827.9   | 829.3   | 829.3   | 832.1   |
| 47.5°  | 799.5   | 823.6   | 810.8   | 798.1   | 791.0   | 783.9   | 785.3   | 786.7   | 791.0   | 793.8   | 800.9   |
| 50°    | 742.8   | 751.3   | 754.1   | 755.6   | 751.3   | 747.1   | 749.9   | 751.3   | 755.6   | 758.4   | 764.1   |
| 52.5°  | 701.7   | 714.5   | 714.5   | 713.0   | 713.0   | 713.0   | 715.9   | 718.7   | 723.0   | 727.2   | 732.9   |
| 55°    | 674.8   | 693.2   | 687.5   | 681.8   | 683.3   | 683.3   | 686.1   | 688.9   | 693.2   | 696.0   | 704.5   |
| 57.5°  | 649.2   | 669.1   | 663.4   | 657.7   | 657.7   | 657.7   | 659.2   | 660.6   | 664.8   | 667.7   | 673.3   |
| 60°    | 619.5   | 639.3   | 633.7   | 626.6   | 628.0   | 629.4   | 630.8   | 630.8   | 633.7   | 635.1   | 635.1   |
| 62.5°  | 584.0   | 603.9   | 598.2   | 591.1   | 595.4   | 598.2   | 598.2   | 598.2   | 601.0   | 602.5   | 598.2   |
| 65°    | 547.2   | 565.6   | 559.9   | 554.3   | 559.9   | 564.2   | 567.0   | 568.4   | 567.0   | 565.6   | 561.4   |
| 67.5°  | 507.5   | 525.9   | 520.2   | 513.2   | 520.2   | 525.9   | 531.6   | 535.8   | 531.6   | 527.3   | 521.7   |
| 70°    | 465.0   | 483.4   | 476.3   | 469.2   | 476.3   | 483.4   | 489.1   | 494.7   | 489.1   | 483.4   | 482.0   |
| 72.5°  | 419.6   | 440.9   | 432.4   | 423.9   | 432.4   | 440.9   | 443.7   | 446.5   | 442.3   | 438.0   | 435.2   |
| 75°    | 370.0   | 391.2   | 384.2   | 375.7   | 382.7   | 389.8   | 391.2   | 392.7   | 392.7   | 391.2   | 382.7   |
| 77.5°  | 317.5   | 334.5   | 330.3   | 326.0   | 330.3   | 334.5   | 334.5   | 334.5   | 336.0   | 336.0   | 324.6   |
| 80°    | 255.2   | 265.1   | 266.5   | 267.9   | 269.3   | 270.8   | 269.3   | 267.9   | 265.1   | 262.2   | 255.2   |
| 82.5°  | 190.0   | 190.0   | 201.3   | 211.2   | 211.2   | 209.8   | 208.4   | 205.5   | 199.9   | 192.8   | 177.2   |
| 85°    | 120.5   | 113.4   | 131.8   | 148.8   | 148.8   | 147.4   | 144.6   | 140.3   | 129.0   | 116.2   | 103.5   |
| 87.5°  | 41.1    | 34.0    | 52.4    | 70.9    | 72.3    | 72.3    | 69.5    | 66.6    | 55.3    | 42.5    | 32.6    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 9350.3  | 9368.7  | 9385.7  | 9524.6  | 9662.1  | 9823.7  | 9985.3  | 10108.6 | 10230.6 | 10356.7 | 10482.9 |
| 5°     | 7477.6  | 7500.3  | 7523.0  | 7691.7  | 7859.0  | 8084.4  | 8309.8  | 8504.0  | 8698.2  | 8926.4  | 9154.6  |
| 7.5°   | 5542.7  | 5592.3  | 5640.5  | 5820.5  | 5999.1  | 6241.5  | 6482.5  | 6736.3  | 6988.6  | 7286.3  | 7584.0  |
| 10°    | 4353.3  | 4446.9  | 4539.0  | 4723.3  | 4907.6  | 5147.2  | 5385.3  | 5650.4  | 5915.5  | 6208.9  | 6500.9  |
| 12.5°  | 3524.1  | 3648.8  | 3772.1  | 3993.3  | 4214.4  | 4500.8  | 4785.7  | 5080.5  | 5374.0  | 5632.0  | 5890.0  |
| 15°    | 2784.1  | 2920.2  | 3054.9  | 3288.7  | 3522.6  | 3837.3  | 4150.6  | 4472.4  | 4792.8  | 5101.8  | 5410.8  |
| 17.5°  | 2171.7  | 2283.7  | 2394.3  | 2592.7  | 2789.8  | 3094.5  | 3399.3  | 3736.7  | 4074.1  | 4451.2  | 4826.8  |
| 20°    | 1752.1  | 1798.9  | 1845.7  | 1988.8  | 2130.6  | 2378.7  | 2625.3  | 2969.8  | 3314.3  | 3765.0  | 4215.8  |
| 22.5°  | 1535.2  | 1559.3  | 1582.0  | 1651.5  | 1719.5  | 1879.7  | 2038.5  | 2343.2  | 2646.6  | 3138.5  | 3629.0  |
| 25°    | 1404.8  | 1423.2  | 1441.7  | 1487.0  | 1532.4  | 1608.9  | 1685.5  | 1899.5  | 2113.6  | 2597.0  | 3078.9  |
| 27.5°  | 1287.1  | 1315.5  | 1342.4  | 1363.7  | 1383.5  | 1436.0  | 1487.0  | 1627.4  | 1767.7  | 2218.5  | 2667.9  |
| 30°    | 1202.1  | 1212.0  | 1221.9  | 1254.5  | 1285.7  | 1339.6  | 1393.5  | 1491.3  | 1589.1  | 1970.4  | 2350.3  |
| 32.5°  | 1102.9  | 1117.0  | 1131.2  | 1165.2  | 1199.3  | 1248.9  | 1298.5  | 1377.9  | 1455.8  | 1781.9  | 2106.5  |
| 35°    | 1013.6  | 1027.7  | 1041.9  | 1075.9  | 1108.5  | 1162.4  | 1214.9  | 1281.5  | 1346.7  | 1630.2  | 1913.7  |
| 37.5°  | 958.3   | 972.4   | 986.6   | 1016.4  | 1044.7  | 1098.6  | 1151.1  | 1203.5  | 1254.5  | 1516.8  | 1779.0  |
| 40°    | 911.5   | 925.7   | 939.8   | 968.2   | 995.1   | 1047.6  | 1098.6  | 1142.6  | 1186.5  | 1431.7  | 1677.0  |
| 42.5°  | 870.4   | 886.0   | 901.6   | 929.9   | 956.9   | 1003.6  | 1050.4  | 1108.5  | 1165.2  | 1358.0  | 1549.4  |
| 45°    | 836.4   | 852.0   | 866.1   | 897.3   | 928.5   | 973.9   | 1019.2  | 1100.0  | 1180.8  | 1319.8  | 1458.7  |
| 47.5°  | 805.2   | 822.2   | 837.8   | 871.8   | 905.8   | 962.5   | 1017.8  | 1085.9  | 1152.5  | 1290.0  | 1427.5  |
| 50°    | 775.4   | 795.3   | 815.1   | 856.2   | 895.9   | 990.9   | 1084.4  | 1094.4  | 1102.9  | 1265.9  | 1427.5  |
| 52.5°  | 747.1   | 769.7   | 792.4   | 843.5   | 893.1   | 1003.6  | 1114.2  | 1078.8  | 1041.9  | 1220.5  | 1399.1  |
| 55°    | 718.7   | 738.6   | 757.0   | 819.4   | 881.7   | 962.5   | 1043.3  | 996.5   | 948.4   | 1135.5  | 1322.6  |
| 57.5°  | 680.4   | 701.7   | 721.5   | 788.2   | 854.8   | 911.5   | 966.8   | 924.3   | 880.3   | 1039.1  | 1196.4  |
| 60°    | 640.7   | 664.8   | 688.9   | 774.0   | 857.6   | 847.7   | 836.4   | 827.9   | 817.9   | 931.3   | 1044.7  |
| 62.5°  | 605.3   | 630.8   | 656.3   | 766.9   | 877.5   | 809.4   | 741.4   | 748.5   | 754.1   | 837.8   | 921.4   |
| 65°    | 569.9   | 595.4   | 619.5   | 674.8   | 730.0   | 703.1   | 676.2   | 687.5   | 697.4   | 779.7   | 861.9   |
| 67.5°  | 530.2   | 552.8   | 574.1   | 592.5   | 611.0   | 613.8   | 616.6   | 628.0   | 639.3   | 737.1   | 833.5   |
| 70°    | 486.2   | 504.7   | 523.1   | 535.8   | 547.2   | 552.8   | 557.1   | 571.3   | 585.5   | 691.8   | 798.1   |
| 72.5°  | 436.6   | 452.2   | 466.4   | 477.7   | 489.1   | 493.3   | 496.1   | 510.3   | 524.5   | 637.9   | 751.3   |
| 75°    | 382.7   | 395.5   | 406.8   | 416.8   | 426.7   | 432.4   | 438.0   | 448.0   | 457.9   | 581.2   | 703.1   |
| 77.5°  | 323.2   | 336.0   | 347.3   | 355.8   | 362.9   | 368.6   | 372.8   | 385.6   | 398.3   | 501.8   | 603.9   |
| 80°    | 252.3   | 267.9   | 282.1   | 289.2   | 294.9   | 296.3   | 296.3   | 307.6   | 319.0   | 392.7   | 465.0   |
| 82.5°  | 178.6   | 195.6   | 211.2   | 216.9   | 222.6   | 222.6   | 222.6   | 235.3   | 248.1   | 297.7   | 345.9   |
| 85°    | 104.9   | 123.3   | 140.3   | 146.0   | 151.7   | 154.5   | 155.9   | 161.6   | 165.9   | 201.3   | 235.3   |
| 87.5°  | 32.6    | 48.2    | 62.4    | 65.2    | 68.0    | 73.7    | 79.4    | 80.8    | 80.8    | 104.9   | 129.0   |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-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: P320541

CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 | 10801.8 |
| 2.5°   | 10627.5 | 10772.1 | 10940.8 | 11108.0 | 11251.2 | 11394.4 | 11513.5 |
| 5°     | 9445.2  | 9735.8  | 10091.6 | 10446.0 | 10762.1 | 11078.3 | 11445.4 |
| 7.5°   | 7959.6  | 8335.3  | 8796.0  | 9256.7  | 9703.2  | 10148.3 | 10712.5 |
| 10°    | 6883.7  | 7265.0  | 7752.7  | 8238.9  | 8740.7  | 9241.1  | 9879.0  |
| 12.5°  | 6200.4  | 6509.5  | 6981.5  | 7453.6  | 8043.3  | 8631.5  | 9245.4  |
| 15°    | 5749.6  | 6087.0  | 6546.3  | 7005.6  | 7650.6  | 8295.6  | 9001.5  |
| 17.5°  | 5269.1  | 5709.9  | 6298.2  | 6886.5  | 7650.6  | 8413.2  | 9245.4  |
| 20°    | 4765.8  | 5314.4  | 6077.1  | 6839.7  | 7868.9  | 8896.6  | 9958.4  |
| 22.5°  | 4264.0  | 4899.1  | 5877.2  | 6853.9  | 8199.2  | 9543.0  | 10976.2 |
| 25°    | 3811.8  | 4544.7  | 5755.3  | 6964.5  | 8679.7  | 10393.6 | 12171.2 |
| 27.5°  | 3468.8  | 4268.3  | 5705.7  | 7141.7  | 9289.3  | 11436.9 | 13471.1 |
| 30°    | 3164.0  | 3977.7  | 5646.2  | 7314.6  | 9876.2  | 12436.3 | 14487.5 |
| 32.5°  | 2900.3  | 3694.2  | 5531.3  | 7367.1  | 10285.8 | 13204.6 | 15348.0 |
| 35°    | 2693.4  | 3473.0  | 5338.5  | 7204.1  | 10542.4 | 13880.8 | 16243.9 |
| 37.5°  | 2514.8  | 3250.5  | 5118.8  | 6987.2  | 10770.7 | 14554.1 | 17251.8 |
| 40°    | 2344.7  | 3012.3  | 4930.3  | 6846.8  | 11085.3 | 15323.9 | 18316.3 |
| 42.5°  | 2183.0  | 2816.7  | 4778.6  | 6740.5  | 11377.4 | 16012.8 | 19247.7 |
| 45°    | 2062.6  | 2666.4  | 4643.9  | 6620.0  | 11565.9 | 16511.8 | 19949.4 |
| 47.5°  | 2003.0  | 2577.1  | 4571.6  | 6564.7  | 11754.4 | 16942.7 | 20532.0 |
| 50°    | 1994.5  | 2561.5  | 4653.9  | 6746.2  | 12162.7 | 17577.8 | 21198.2 |
| 52.5°  | 1993.1  | 2587.1  | 4890.6  | 7194.1  | 12921.1 | 18646.6 | 21919.8 |
| 55°    | 1963.3  | 2602.6  | 5172.7  | 7741.3  | 13938.9 | 20135.1 | 23216.9 |
| 57.5°  | 1872.6  | 2548.8  | 5463.3  | 8376.4  | 15014.8 | 21651.9 | 24678.4 |
| 60°    | 1732.3  | 2418.4  | 5702.9  | 8985.9  | 15737.8 | 22488.2 | 25241.1 |
| 62.5°  | 1556.5  | 2190.1  | 5782.2  | 9372.9  | 15717.9 | 22063.0 | 24674.1 |
| 65°    | 1406.2  | 1950.6  | 5521.4  | 9090.8  | 14922.7 | 20753.1 | 23552.8 |
| 67.5°  | 1273.0  | 1711.0  | 4869.3  | 8026.2  | 13492.4 | 18957.1 | 22126.8 |
| 70°    | 1176.6  | 1553.6  | 4028.7  | 6503.8  | 11702.0 | 16898.8 | 20475.3 |
| 72.5°  | 1115.6  | 1478.5  | 3284.5  | 5089.1  | 9496.3  | 13902.0 | 17514.0 |
| 75°    | 1032.0  | 1360.9  | 2577.1  | 3792.0  | 7267.8  | 10743.7 | 13228.7 |
| 77.5°  | 876.1   | 1146.8  | 1942.1  | 2737.3  | 5332.9  | 7927.0  | 9200.0  |
| 80°    | 676.2   | 886.0   | 1335.3  | 1784.7  | 3670.1  | 5555.4  | 6272.7  |
| 82.5°  | 482.0   | 618.1   | 809.4   | 1000.8  | 2438.2  | 3874.2  | 3933.7  |
| 85°    | 297.7   | 360.1   | 463.5   | 567.0   | 1613.2  | 2659.3  | 2215.7  |
| 87.5°  | 160.2   | 191.4   | 245.2   | 297.7   | 516.0   | 734.3   | 422.4   |
| 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: P320541  
 CATALOG NUMBER: GLEON-SA7D-722-U-SLL

**CANDELA DISTRIBUTION (continued):**

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

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

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-10-R4

Test Date: 10/25/2019

Luminaire Tested: SA1C-722-U-5WQ

Data in this report applies to families of products SA1C-722-U-5WQ.

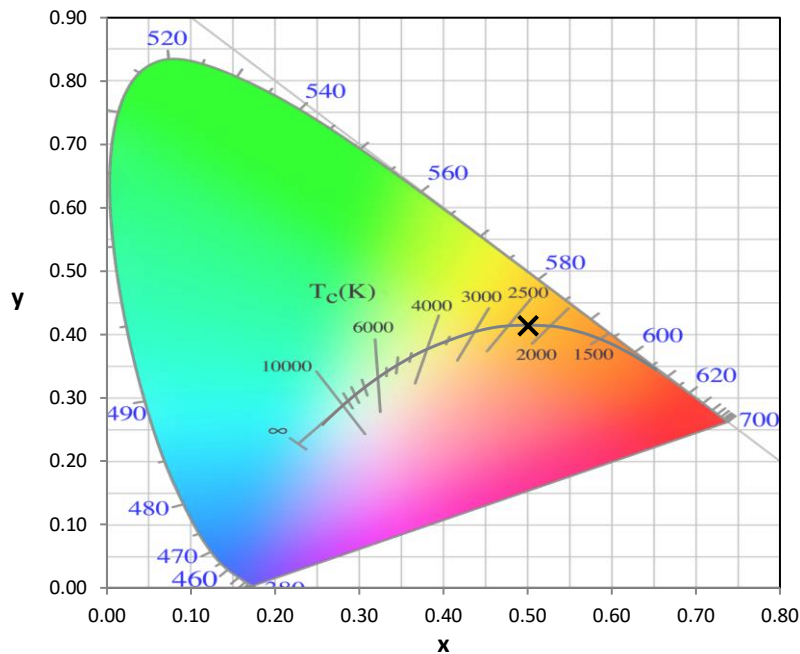


REPORT NUMBER: SP1-1908-441-10-R4

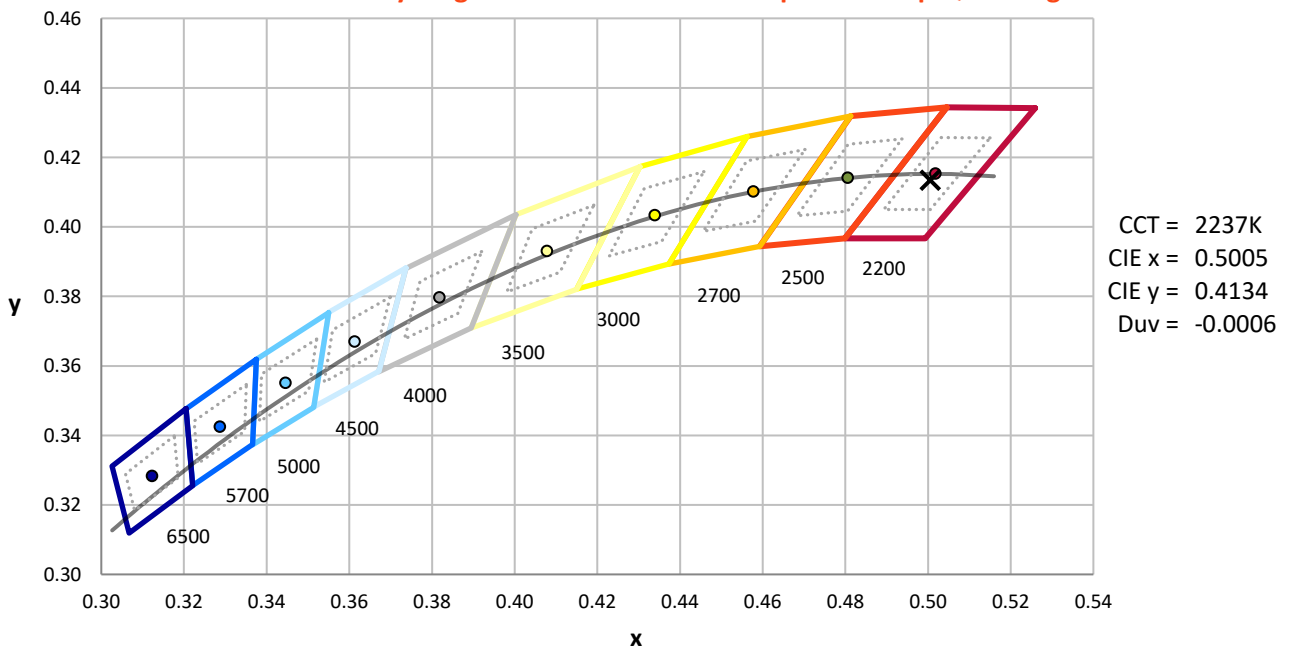
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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: SP1-1908-441-10-R4

**CIE 1931 Chromaticity Diagram**



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

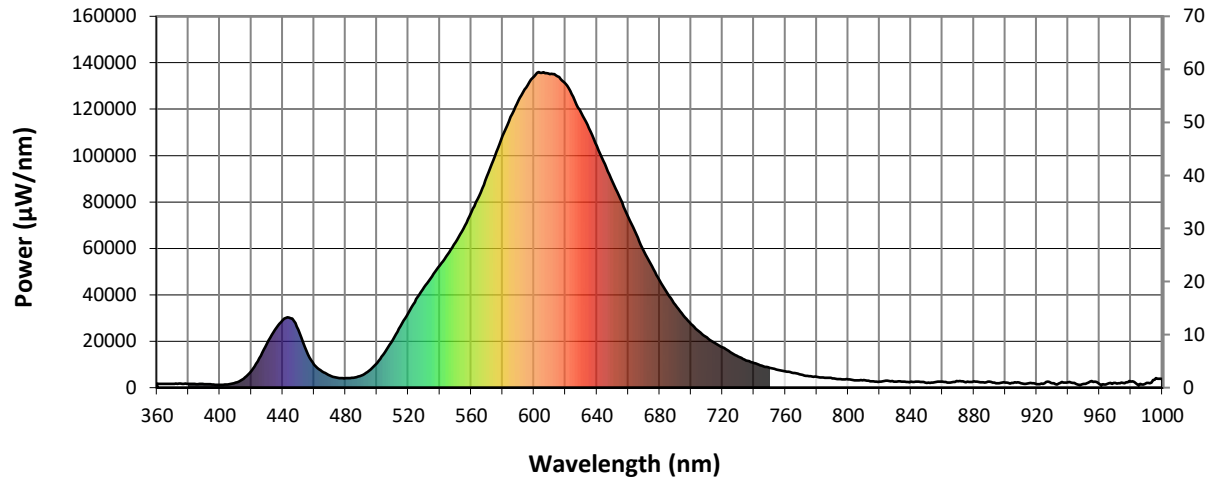


Point lies inside the ANSI 2200K 4-step quadrangle



REPORT NUMBER: SP1-1908-441-10-R4

**Photopic Flux vs. Wavelength**

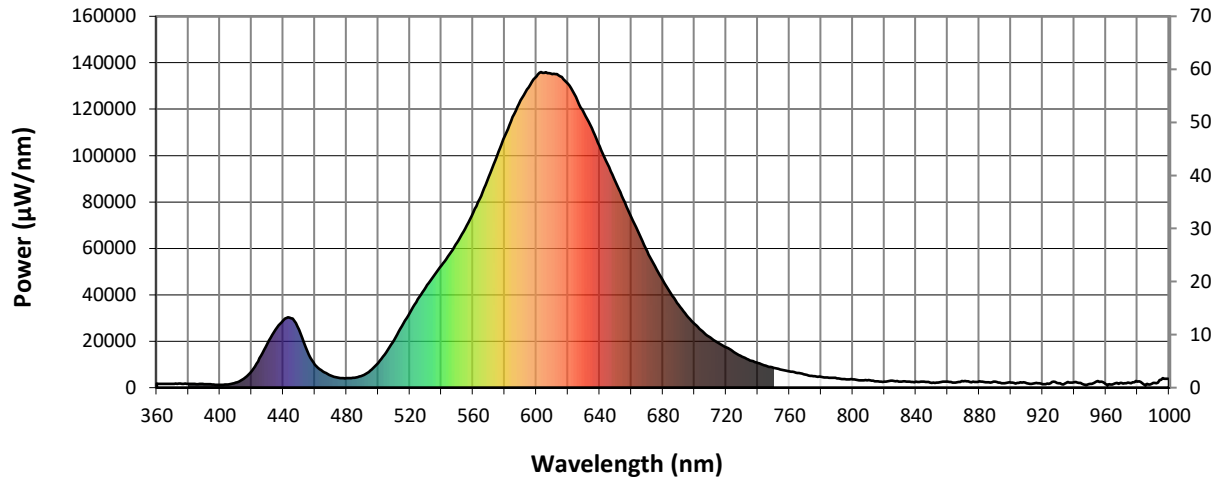


#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

**Scotopic Flux vs. Wavelength**



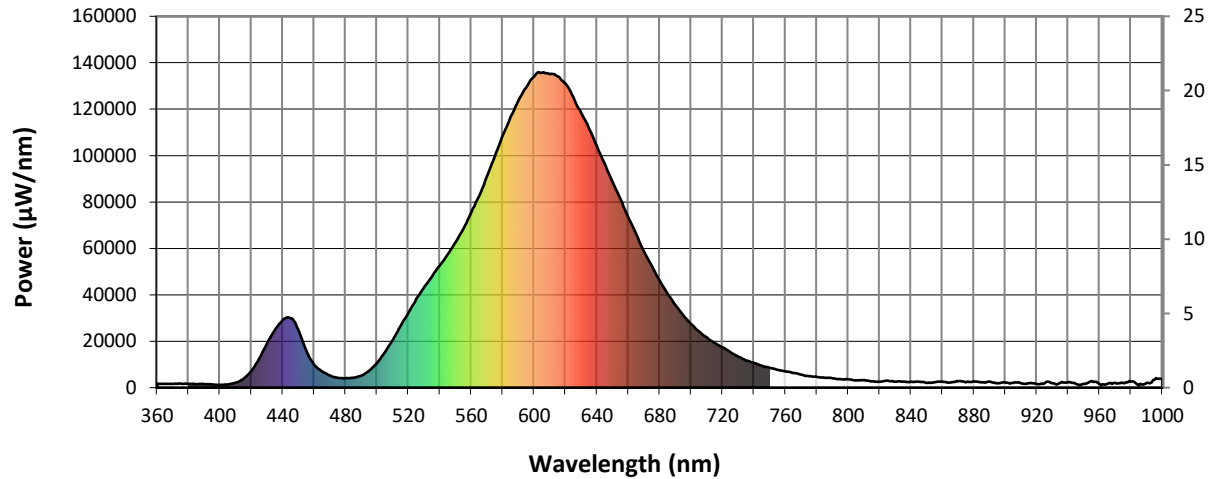
**Scotopic Lumens: 4696.9**

**S/P: 0.85**

| 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       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 1470.8**

**M/P: 0.27**

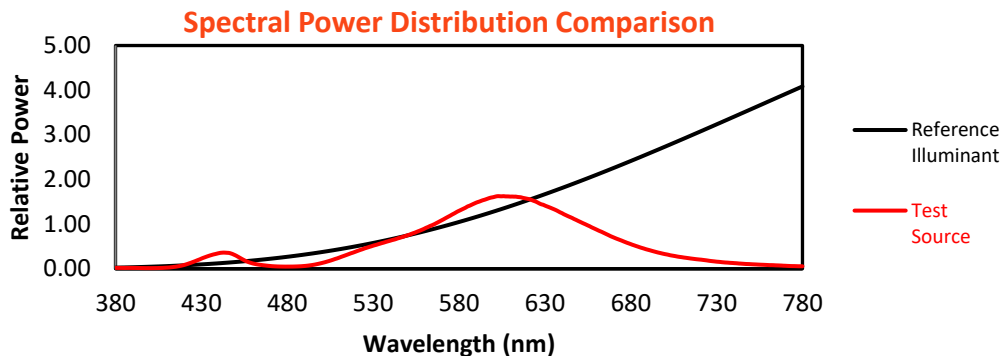
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 1768             | NR               | 490       | 5206             | NR               | 620       | 130919           | NR               | 750       | 8553             | NR               | 880       | 2713             | NR               |
| 365       | 1569             | NR               | 495       | 7286             | NR               | 625       | 125335           | NR               | 755       | 7696             | NR               | 885       | 2316             | NR               |
| 370       | 1594             | NR               | 500       | 10654            | NR               | 630       | 118388           | NR               | 760       | 6978             | NR               | 890       | 2539             | NR               |
| 375       | 1744             | NR               | 505       | 15189            | NR               | 635       | 111855           | NR               | 765       | 6377             | NR               | 895       | 1933             | NR               |
| 380       | 1659             | NR               | 510       | 20541            | NR               | 640       | 104062           | NR               | 770       | 5600             | NR               | 900       | 2216             | NR               |
| 385       | 1504             | NR               | 515       | 26492            | NR               | 645       | 96365            | NR               | 775       | 5000             | NR               | 905       | 2067             | NR               |
| 390       | 1541             | NR               | 520       | 32294            | NR               | 650       | 88651            | NR               | 780       | 4709             | NR               | 910       | 1959             | NR               |
| 395       | 1355             | NR               | 525       | 38123            | NR               | 655       | 81152            | NR               | 785       | 4305             | NR               | 915       | 1874             | NR               |
| 400       | 1243             | NR               | 530       | 43232            | NR               | 660       | 73523            | NR               | 790       | 4040             | NR               | 920       | 1484             | NR               |
| 405       | 1417             | NR               | 535       | 48012            | NR               | 665       | 66123            | NR               | 795       | 3642             | NR               | 925       | 1914             | NR               |
| 410       | 2147             | NR               | 540       | 52623            | NR               | 670       | 58677            | NR               | 800       | 3594             | NR               | 930       | 1948             | NR               |
| 415       | 3837             | NR               | 545       | 57516            | NR               | 675       | 52349            | NR               | 805       | 3190             | NR               | 935       | 2079             | NR               |
| 420       | 7159             | NR               | 550       | 62613            | NR               | 680       | 46159            | NR               | 810       | 3241             | NR               | 940       | 2263             | NR               |
| 425       | 12599            | NR               | 555       | 68554            | NR               | 685       | 40525            | NR               | 815       | 2732             | NR               | 945       | 1688             | NR               |
| 430       | 19019            | NR               | 560       | 75325            | NR               | 690       | 35615            | NR               | 820       | 2612             | NR               | 950       | 1560             | NR               |
| 435       | 24875            | NR               | 565       | 82533            | NR               | 695       | 31158            | NR               | 825       | 2966             | NR               | 955       | 2826             | NR               |
| 440       | 29103            | NR               | 570       | 90909            | NR               | 700       | 27409            | NR               | 830       | 2574             | NR               | 960       | 1477             | NR               |
| 445       | 29901            | NR               | 575       | 99621            | NR               | 705       | 24204            | NR               | 835       | 2633             | NR               | 965       | 1568             | NR               |
| 450       | 24862            | NR               | 580       | 108484           | NR               | 710       | 21558            | NR               | 840       | 2526             | NR               | 970       | 2030             | NR               |
| 455       | 15942            | NR               | 585       | 116679           | NR               | 715       | 19222            | NR               | 845       | 2631             | NR               | 975       | 1986             | NR               |
| 460       | 9916             | NR               | 590       | 123752           | NR               | 720       | 17310            | NR               | 850       | 2079             | NR               | 980       | 2540             | NR               |
| 465       | 7051             | NR               | 595       | 129324           | NR               | 725       | 15280            | NR               | 855       | 2309             | NR               | 985       | 1139             | NR               |
| 470       | 5227             | NR               | 600       | 134082           | NR               | 730       | 13282            | NR               | 860       | 2528             | NR               | 990       | 2018             | NR               |
| 475       | 4257             | NR               | 605       | 135698           | NR               | 735       | 11753            | NR               | 865       | 2121             | NR               | 995       | 3445             | NR               |
| 480       | 4052             | NR               | 610       | 135144           | NR               | 740       | 10654            | NR               | 870       | 2751             | NR               | 1000      | 3704             | NR               |
| 485       | 4298             | NR               | 615       | 134180           | NR               | 745       | 9451             | NR               | 875       | 2317             | NR               |           |                  |                  |

REPORT NUMBER: SP1-1908-441-10-R4

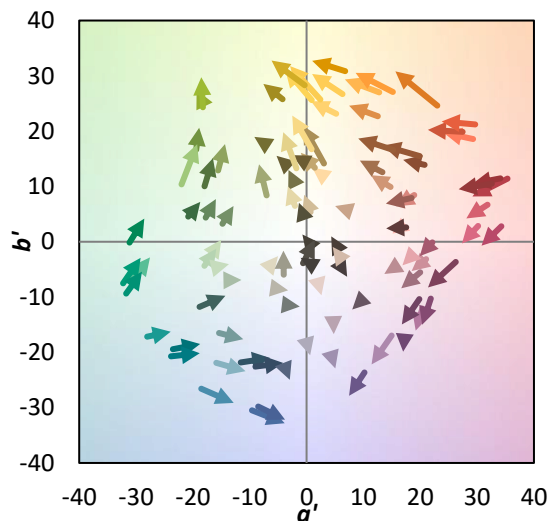
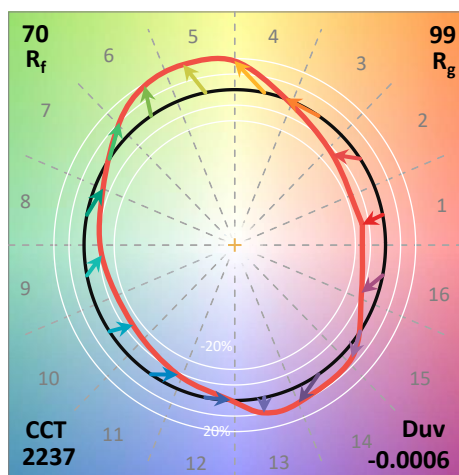
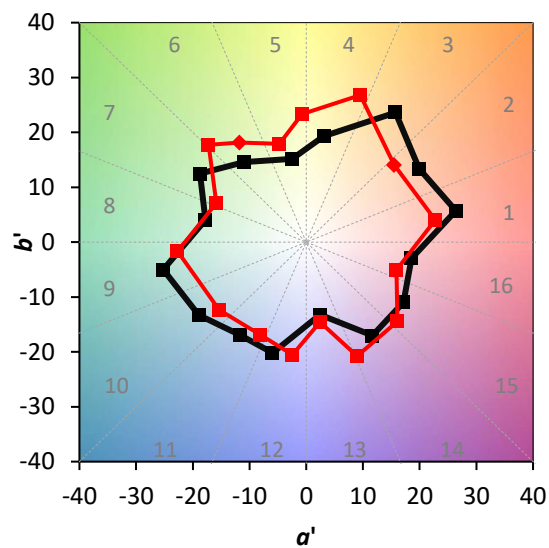
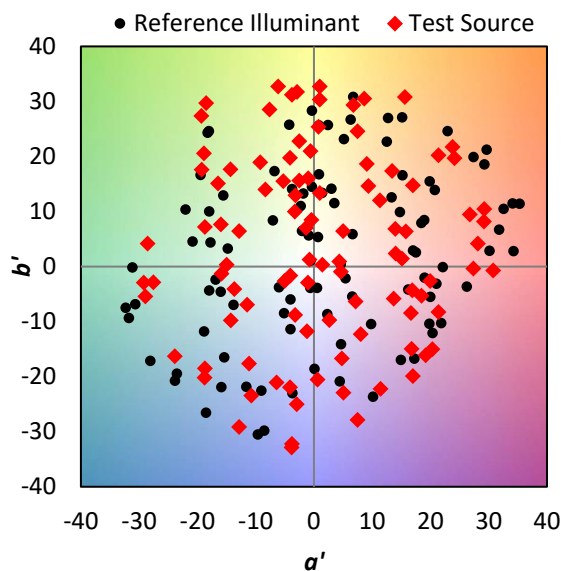
TM-30-18

### Summary

$R_f = 69.8$   
 $R_g = 99.2$   
 CIE  $R_a = 72.0$   
 $R_g = -17.4$



### Color Vector Graphics

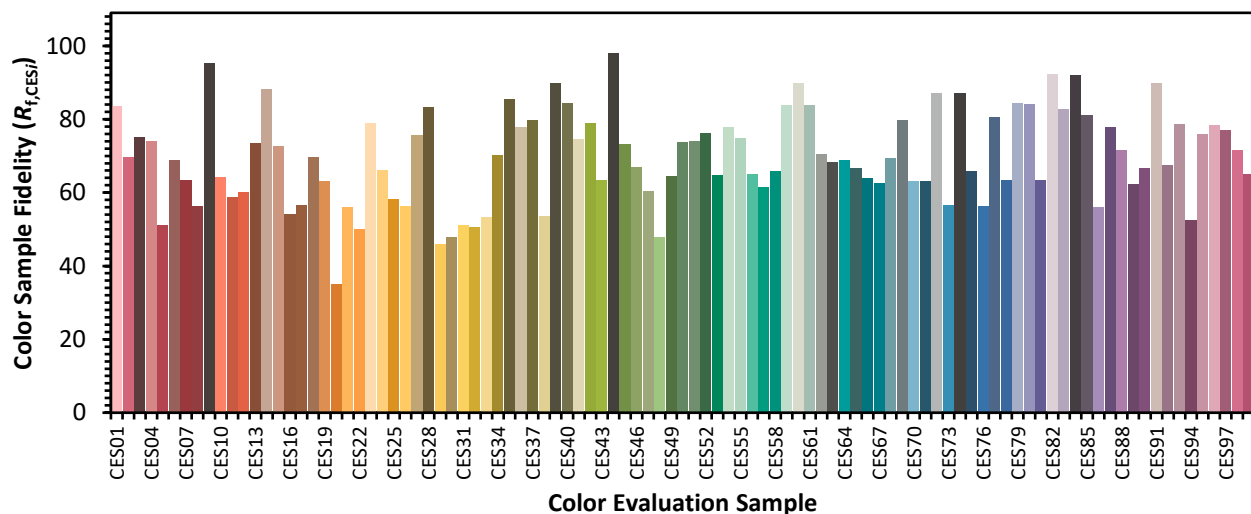


REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

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

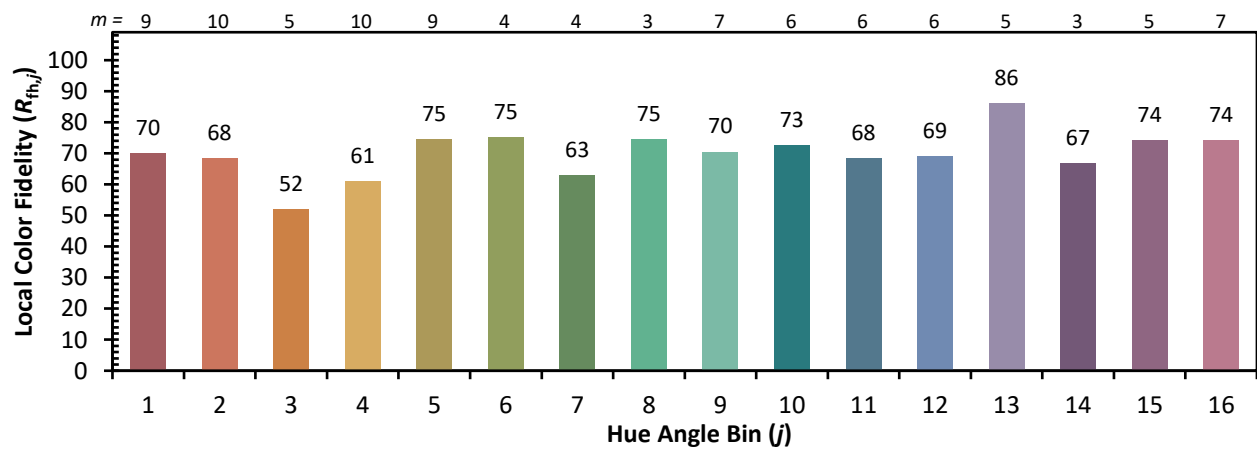
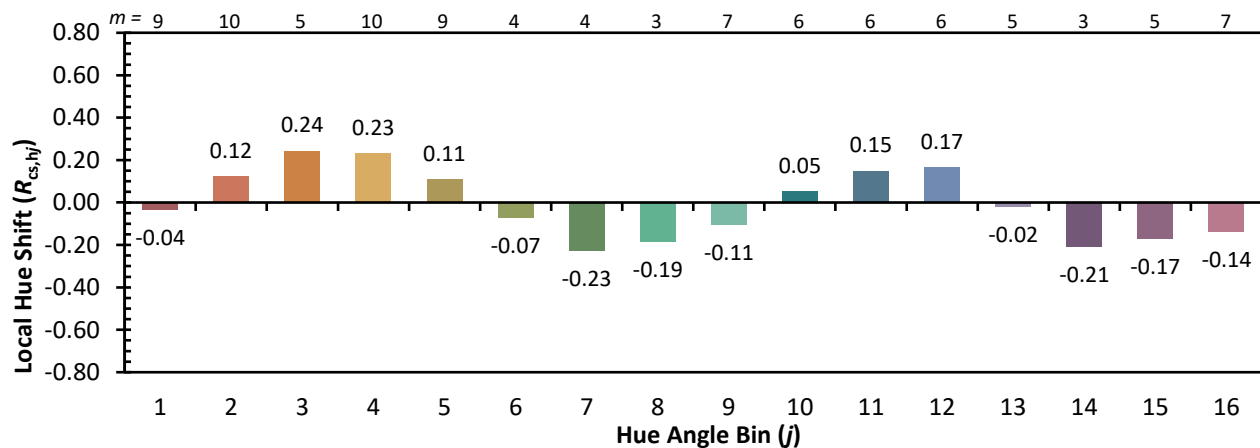
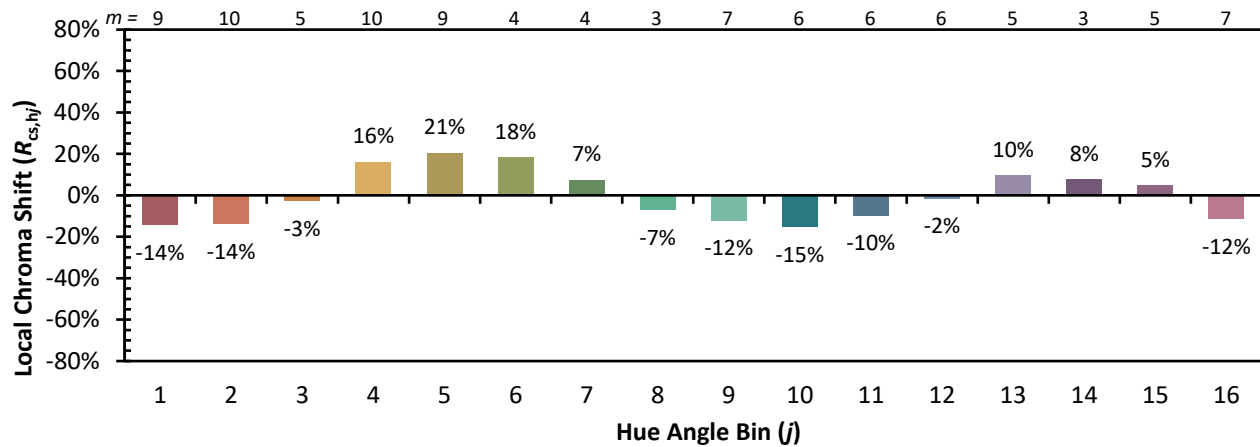
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 87 | CES26 = 56 | CES51 = 74 | CES76 = 56 |
| CES02 = 65 | CES27 = 76 | CES52 = 76 | CES77 = 81 |
| CES03 = 32 | CES28 = 83 | CES53 = 65 | CES78 = 63 |
| CES04 = 72 | CES29 = 46 | CES54 = 78 | CES79 = 84 |
| CES05 = 52 | CES30 = 48 | CES55 = 75 | CES80 = 84 |
| CES06 = 52 | CES31 = 51 | CES56 = 65 | CES81 = 63 |
| CES07 = 44 | CES32 = 51 | CES57 = 62 | CES82 = 92 |
| CES08 = 42 | CES33 = 53 | CES58 = 66 | CES83 = 83 |
| CES09 = 29 | CES34 = 70 | CES59 = 84 | CES84 = 92 |
| CES10 = 78 | CES35 = 85 | CES60 = 90 | CES85 = 81 |
| CES11 = 61 | CES36 = 78 | CES61 = 84 | CES86 = 56 |
| CES12 = 68 | CES37 = 80 | CES62 = 70 | CES87 = 78 |
| CES13 = 45 | CES38 = 53 | CES63 = 68 | CES88 = 72 |
| CES14 = 75 | CES39 = 90 | CES64 = 69 | CES89 = 62 |
| CES15 = 72 | CES40 = 84 | CES65 = 67 | CES90 = 67 |
| CES16 = 49 | CES41 = 75 | CES66 = 64 | CES91 = 90 |
| CES17 = 51 | CES42 = 79 | CES67 = 63 | CES92 = 67 |
| CES18 = 57 | CES43 = 64 | CES68 = 69 | CES93 = 79 |
| CES19 = 74 | CES44 = 98 | CES69 = 80 | CES94 = 52 |
| CES20 = 68 | CES45 = 73 | CES70 = 63 | CES95 = 76 |
| CES21 = 89 | CES46 = 67 | CES71 = 63 | CES96 = 78 |
| CES22 = 81 | CES47 = 60 | CES72 = 87 | CES97 = 77 |
| CES23 = 92 | CES48 = 48 | CES73 = 56 | CES98 = 71 |
| CES24 = 92 | CES49 = 64 | CES74 = 87 | CES99 = 65 |
| CES25 = 74 | CES50 = 74 | CES75 = 66 |            |



REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

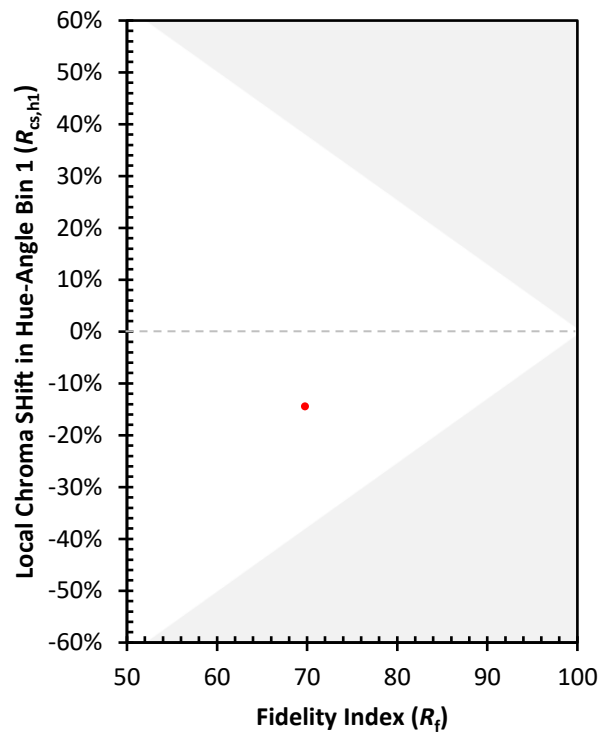
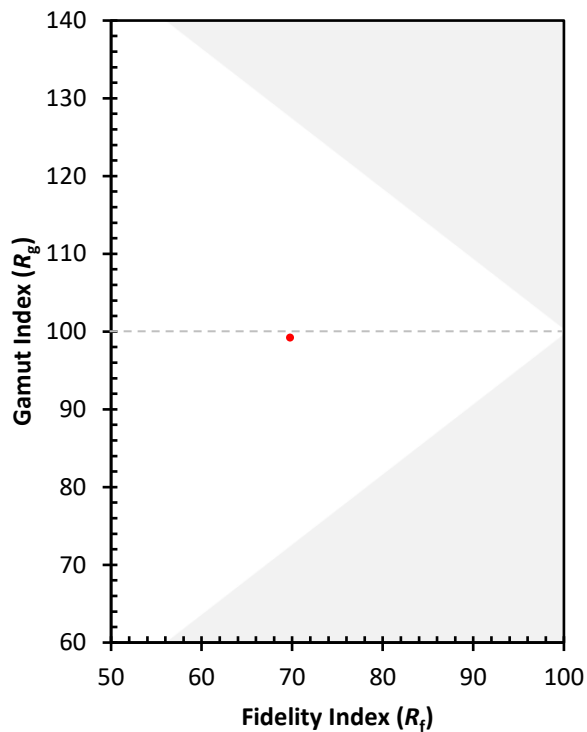
Color Rendition by Hue-Angle Bin



REPORT NUMBER: SP1-1908-441-10-R4

**TM-30-18**

**Measure Comparisons**



(END OF REPORT)