

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: P382807

Luminaire Tested: **GLEON-SA1D-735-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382807
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-SA1D-735-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6651.3 lumens
Efficiency: N/A
Efficacy: 99.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

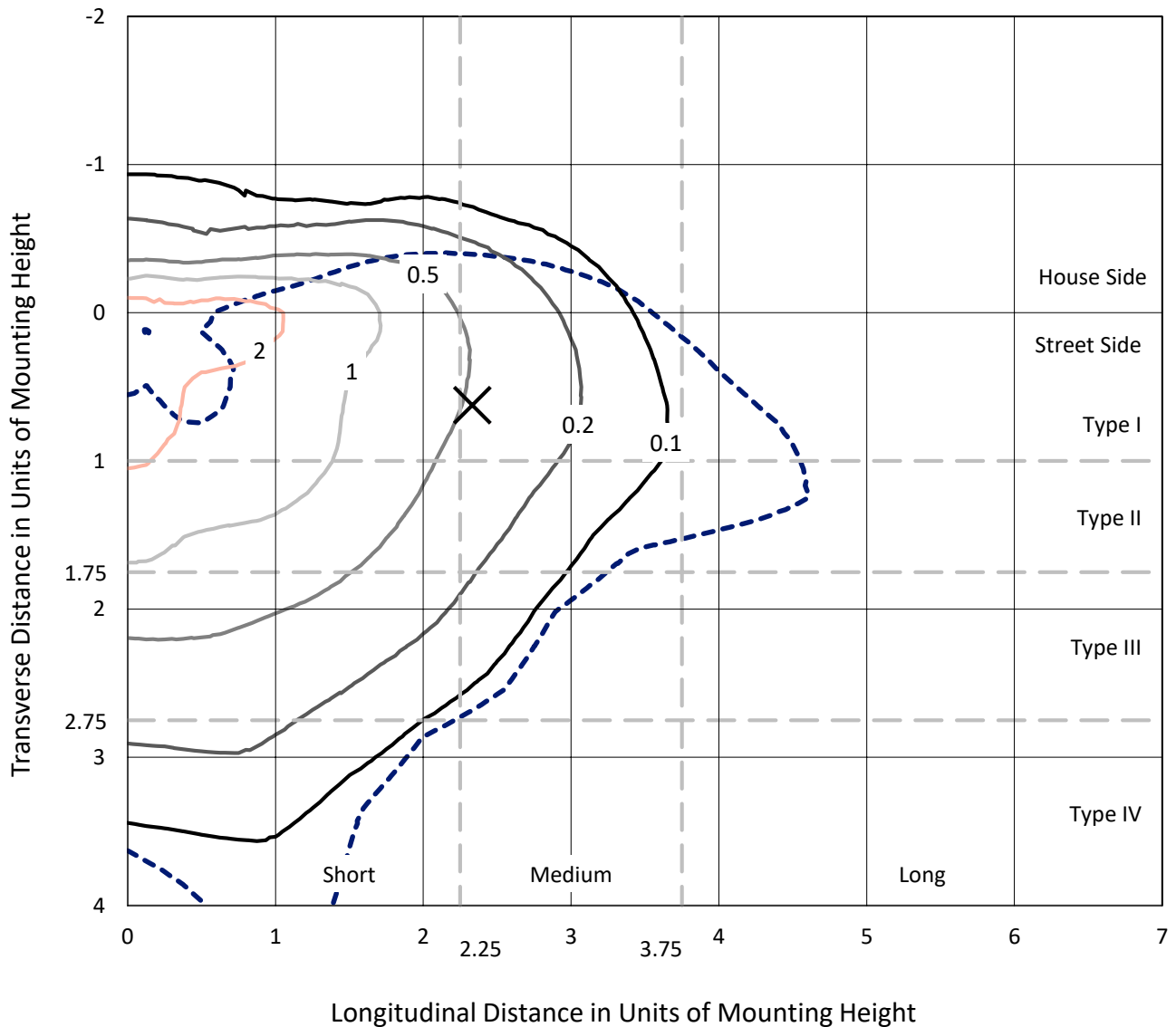
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

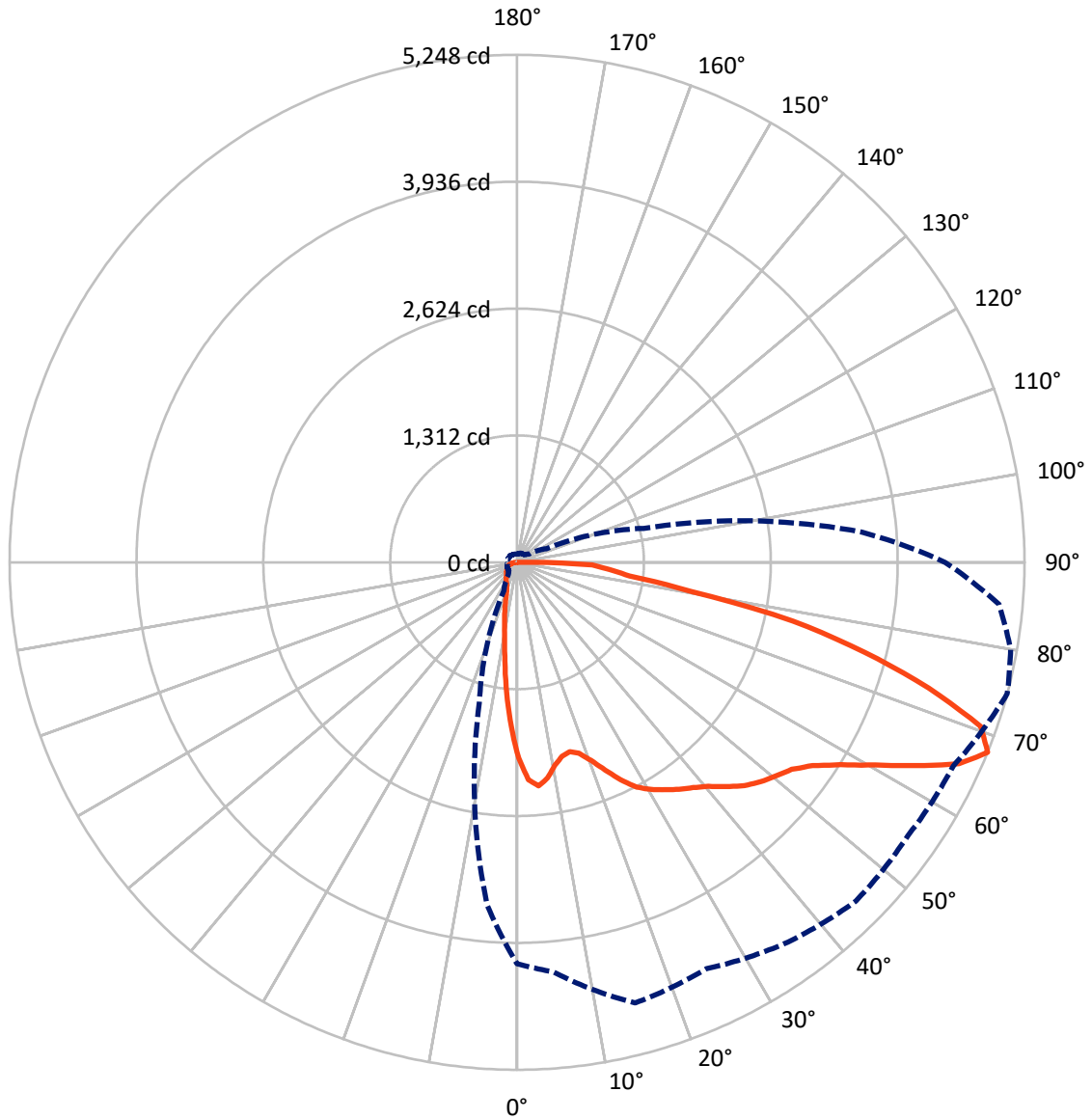
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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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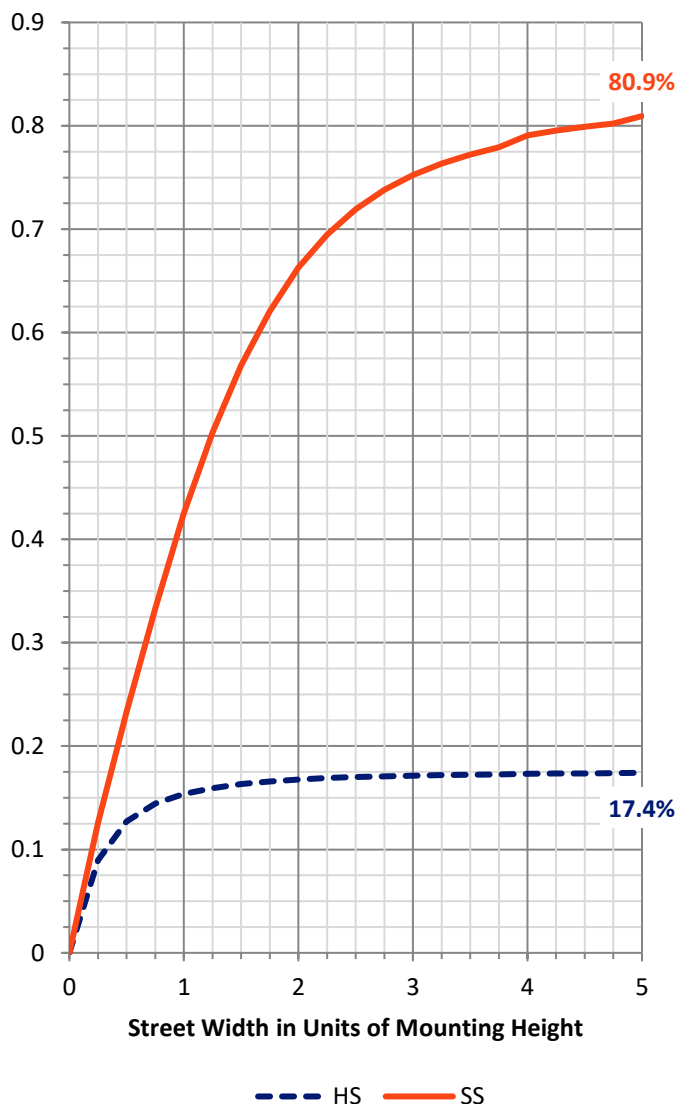
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1171.5 | 0.0 | 1171.5 |
| | % Fixture | 17.6 | 0.0 | 17.6 |
| Street Side | Lumens | 5479.8 | 0.0 | 5479.8 |
| | % Fixture | 82.4 | 0.0 | 82.4 |
| Total | Lumens | 6651.3 | 0.0 | 6651.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 156.4 | 2.4 |
| 10°-20° | 324.9 | 4.9 |
| 20°-30° | 462.1 | 6.9 |
| 30°-40° | 665.8 | 10.0 |
| 40°-50° | 938.3 | 14.1 |
| 50°-60° | 1304.4 | 19.6 |
| 60°-70° | 1577.4 | 23.7 |
| 70°-80° | 969.6 | 14.6 |
| 80°-90° | 252.3 | 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° | 6651.3 | 100.0 |
| 0°-180° | 6651.3 | 100.0 |

Coefficient of Utilization

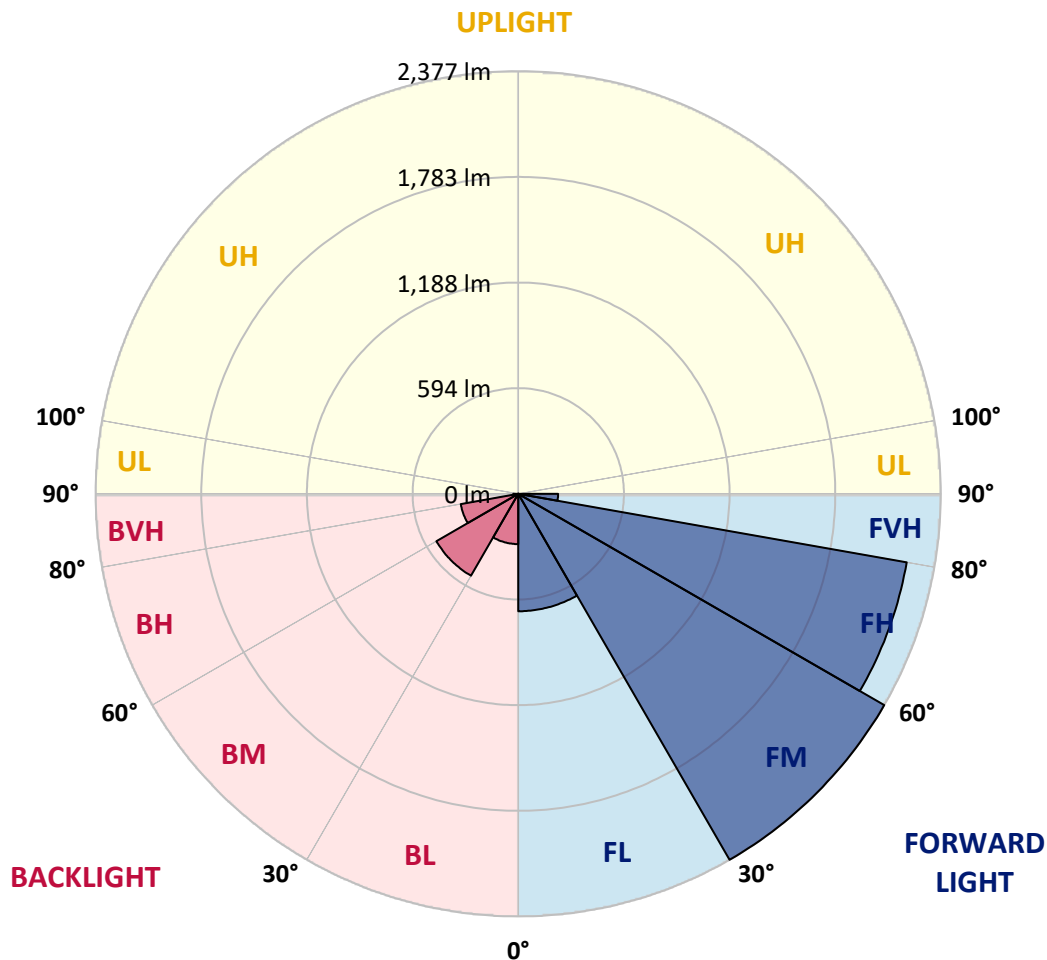


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 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 660.4 | 9.9 | | | |
| FM (30°-60°) | 2376.8 | 35.7 | | | |
| FH (60°-80°) | 2218.6 | 33.4 | | | G2/5000 |
| FVH (80°-90°) | 224.0 | 3.4 | | | G2/225 |
| BL (0°-30°) | 282.9 | 4.3 | B1/500 | | |
| BM (30°-60°) | 531.8 | 8.0 | B1/1000 | | |
| BH (60°-80°) | 328.4 | 4.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 28.3 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2
 Type III Medium





REPORT NUMBER: P382807

CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 2159.8 | 2188.3 | 2208.0 | 2227.3 | 2242.5 | 2257.4 | 2279.2 | 2301.0 | 2305.3 | 2309.3 | 2300.7 |
| 5° | 2147.0 | 2216.4 | 2275.5 | 2334.3 | 2388.8 | 2443.3 | 2476.1 | 2508.8 | 2515.4 | 2522.0 | 2501.6 |
| 7.5° | 2009.6 | 2112.0 | 2214.4 | 2316.8 | 2410.6 | 2504.5 | 2561.7 | 2618.6 | 2631.6 | 2644.4 | 2610.8 |
| 10° | 1853.2 | 1972.4 | 2098.1 | 2223.9 | 2347.6 | 2471.2 | 2553.9 | 2636.7 | 2653.1 | 2669.6 | 2627.9 |
| 12.5° | 1734.4 | 1864.4 | 1998.6 | 2133.0 | 2263.6 | 2393.8 | 2479.5 | 2565.1 | 2585.6 | 2606.0 | 2575.7 |
| 15° | 1688.6 | 1831.1 | 1957.5 | 2083.8 | 2197.6 | 2311.2 | 2381.3 | 2451.3 | 2459.8 | 2468.0 | 2463.3 |
| 17.5° | 1734.4 | 1891.5 | 2005.9 | 2119.9 | 2181.9 | 2243.6 | 2271.8 | 2299.7 | 2309.0 | 2318.1 | 2330.3 |
| 20° | 1868.1 | 2037.8 | 2118.3 | 2198.6 | 2196.0 | 2193.0 | 2179.5 | 2165.7 | 2163.2 | 2160.9 | 2195.5 |
| 22.5° | 2059.0 | 2256.1 | 2288.3 | 2320.2 | 2245.5 | 2170.7 | 2125.2 | 2079.5 | 2070.5 | 2061.1 | 2097.8 |
| 25° | 2283.2 | 2493.0 | 2487.1 | 2481.1 | 2338.8 | 2196.2 | 2109.6 | 2022.9 | 2012.8 | 2002.6 | 2034.0 |
| 27.5° | 2527.1 | 2727.6 | 2689.3 | 2651.0 | 2457.7 | 2264.3 | 2138.6 | 2012.8 | 2002.6 | 1992.6 | 2020.2 |
| 30° | 2717.7 | 2899.6 | 2838.2 | 2776.8 | 2557.9 | 2339.0 | 2189.6 | 2040.2 | 2023.7 | 2006.9 | 2040.9 |
| 32.5° | 2879.1 | 3034.0 | 2951.5 | 2869.1 | 2639.3 | 2409.5 | 2247.8 | 2086.2 | 2060.4 | 2034.6 | 2080.1 |
| 35° | 3047.2 | 3167.9 | 3052.0 | 2935.8 | 2711.9 | 2487.7 | 2316.8 | 2145.4 | 2113.9 | 2082.2 | 2144.7 |
| 37.5° | 3236.3 | 3336.5 | 3170.1 | 3003.3 | 2793.5 | 2583.7 | 2419.9 | 2255.8 | 2223.4 | 2190.9 | 2270.7 |
| 40° | 3436.0 | 3519.5 | 3297.5 | 3075.4 | 2882.9 | 2690.3 | 2562.7 | 2434.8 | 2404.0 | 2372.8 | 2469.6 |
| 42.5° | 3610.7 | 3671.6 | 3416.1 | 3160.5 | 2990.5 | 2820.4 | 2730.5 | 2640.4 | 2640.1 | 2639.5 | 2737.7 |
| 45° | 3742.3 | 3795.2 | 3515.0 | 3234.4 | 3095.6 | 2956.5 | 2909.7 | 2862.9 | 2900.5 | 2937.9 | 3026.7 |
| 47.5° | 3851.7 | 3887.5 | 3597.9 | 3308.1 | 3215.8 | 3123.6 | 3130.5 | 3137.4 | 3213.7 | 3290.0 | 3347.1 |
| 50° | 3976.6 | 3947.6 | 3673.2 | 3398.5 | 3370.1 | 3341.6 | 3403.8 | 3465.8 | 3553.6 | 3641.0 | 3679.8 |
| 52.5° | 4111.9 | 4035.1 | 3775.3 | 3515.2 | 3547.1 | 3579.1 | 3705.6 | 3832.2 | 3920.8 | 4009.3 | 4023.9 |
| 55° | 4355.3 | 4237.5 | 3963.1 | 3688.4 | 3749.8 | 3811.0 | 3996.8 | 4182.5 | 4251.6 | 4320.7 | 4326.0 |
| 57.5° | 4629.4 | 4525.0 | 4226.1 | 3927.1 | 3993.1 | 4059.0 | 4273.7 | 4488.0 | 4562.7 | 4637.2 | 4626.8 |
| 60° | 4735.1 | 4740.1 | 4475.7 | 4211.2 | 4277.7 | 4344.1 | 4553.1 | 4762.2 | 4848.1 | 4933.7 | 4910.8 |
| 62.5° | 4628.7 | 4753.4 | 4612.2 | 4470.7 | 4531.0 | 4591.1 | 4795.9 | 5000.6 | 5088.7 | 5176.7 | 5136.8 |
| 65° | 4418.3 | 4541.9 | 4605.3 | 4668.5 | 4688.5 | 4708.4 | 4899.7 | 5090.5 | 5158.1 | 5225.4 | 5205.2 |
| 67.5° | 4150.8 | 4250.7 | 4484.3 | 4717.5 | 4677.3 | 4637.2 | 4726.8 | 4816.4 | 4885.8 | 4955.2 | 4943.8 |
| 70° | 3841.0 | 3960.1 | 4271.5 | 4582.9 | 4385.6 | 4188.1 | 4151.1 | 4114.1 | 4189.1 | 4263.8 | 4217.6 |
| 72.5° | 3285.5 | 3465.3 | 3797.4 | 4129.3 | 3765.8 | 3402.2 | 3275.9 | 3149.6 | 3244.5 | 3339.5 | 3265.8 |
| 75° | 2481.5 | 2720.1 | 3087.1 | 3453.8 | 3020.1 | 2586.3 | 2417.7 | 2249.2 | 2330.8 | 2412.4 | 2361.9 |
| 77.5° | 1725.9 | 2025.0 | 2386.4 | 2747.8 | 2306.9 | 1865.7 | 1740.5 | 1614.9 | 1639.4 | 1663.7 | 1655.1 |
| 80° | 1176.7 | 1373.5 | 1625.6 | 1877.4 | 1583.8 | 1290.3 | 1300.1 | 1309.7 | 1298.2 | 1286.6 | 1303.5 |
| 82.5° | 738.0 | 876.5 | 1071.1 | 1265.5 | 1109.7 | 953.9 | 1043.2 | 1132.6 | 1088.7 | 1044.5 | 1061.0 |
| 85° | 415.7 | 500.2 | 690.6 | 880.8 | 820.9 | 760.8 | 813.1 | 865.3 | 797.2 | 729.1 | 759.2 |
| 87.5° | 79.3 | 131.9 | 382.1 | 632.1 | 573.8 | 515.6 | 448.1 | 380.5 | 290.4 | 200.3 | 292.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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 CATALOG NUMBER: GLEON-SA1D-735-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 |



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CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 2292.3 | 2287.7 | 2283.2 | 2267.0 | 2250.5 | 2226.0 | 2205.8 | 2170.7 | 2151.6 | 2122.6 | 2093.7 |
| 5° | 2480.8 | 2452.1 | 2423.3 | 2373.9 | 2324.2 | 2268.9 | 2205.3 | 2134.8 | 2081.6 | 2012.5 | 1943.4 |
| 7.5° | 2577.3 | 2510.3 | 2443.1 | 2348.1 | 2252.9 | 2167.2 | 2066.7 | 1973.1 | 1893.4 | 1803.5 | 1713.6 |
| 10° | 2586.1 | 2485.6 | 2384.8 | 2261.4 | 2137.7 | 2033.8 | 1918.1 | 1814.1 | 1718.4 | 1615.2 | 1511.8 |
| 12.5° | 2545.2 | 2438.2 | 2331.1 | 2195.2 | 2059.0 | 1941.0 | 1816.5 | 1700.1 | 1594.0 | 1480.4 | 1366.6 |
| 15° | 2458.4 | 2373.1 | 2287.5 | 2160.1 | 2032.7 | 1913.6 | 1792.9 | 1654.8 | 1534.9 | 1418.7 | 1302.2 |
| 17.5° | 2342.3 | 2301.9 | 2261.1 | 2169.1 | 2076.9 | 1973.7 | 1856.7 | 1694.8 | 1554.3 | 1428.0 | 1301.7 |
| 20° | 2229.8 | 2244.7 | 2259.3 | 2222.6 | 2185.9 | 2103.2 | 2001.1 | 1819.2 | 1640.0 | 1474.8 | 1309.4 |
| 22.5° | 2134.3 | 2205.8 | 2277.1 | 2305.6 | 2333.7 | 2284.0 | 2204.2 | 1993.9 | 1756.7 | 1541.1 | 1325.4 |
| 25° | 2065.1 | 2183.7 | 2302.3 | 2397.1 | 2491.4 | 2469.3 | 2408.0 | 2206.1 | 1911.4 | 1636.4 | 1361.3 |
| 27.5° | 2047.9 | 2193.3 | 2338.8 | 2485.6 | 2632.1 | 2652.6 | 2635.5 | 2429.8 | 2096.0 | 1755.1 | 1413.9 |
| 30° | 2075.0 | 2222.3 | 2369.4 | 2548.1 | 2726.5 | 2808.2 | 2831.0 | 2616.2 | 2306.9 | 1893.4 | 1479.6 |
| 32.5° | 2125.5 | 2269.9 | 2414.3 | 2609.0 | 2803.4 | 2926.7 | 2999.6 | 2786.6 | 2454.0 | 1997.6 | 1541.1 |
| 35° | 2207.1 | 2342.3 | 2477.4 | 2680.0 | 2882.6 | 3042.2 | 3175.1 | 2962.7 | 2584.5 | 2070.5 | 1556.2 |
| 37.5° | 2350.2 | 2466.5 | 2582.6 | 2769.9 | 2956.8 | 3163.7 | 3363.4 | 3156.5 | 2725.7 | 2140.7 | 1555.4 |
| 40° | 2566.4 | 2648.6 | 2730.5 | 2888.7 | 3046.7 | 3307.0 | 3576.7 | 3372.7 | 2881.8 | 2216.7 | 1551.7 |
| 42.5° | 2835.8 | 2878.1 | 2920.1 | 3045.3 | 3170.6 | 3456.7 | 3770.3 | 3584.1 | 3030.7 | 2287.5 | 1544.2 |
| 45° | 3115.3 | 3126.5 | 3137.6 | 3216.6 | 3295.3 | 3575.4 | 3902.2 | 3742.9 | 3160.7 | 2348.9 | 1536.8 |
| 47.5° | 3404.1 | 3365.8 | 3327.5 | 3358.9 | 3390.3 | 3666.3 | 3996.3 | 3863.3 | 3291.3 | 2417.0 | 1542.4 |
| 50° | 3718.6 | 3612.1 | 3505.4 | 3488.9 | 3472.4 | 3757.2 | 4107.2 | 4016.5 | 3448.2 | 2516.2 | 1584.1 |
| 52.5° | 4038.4 | 3862.6 | 3686.8 | 3621.6 | 3556.2 | 3865.7 | 4254.3 | 4207.1 | 3672.2 | 2669.9 | 1667.4 |
| 55° | 4331.3 | 4107.8 | 3884.1 | 3796.3 | 3708.6 | 4031.6 | 4433.7 | 4487.2 | 3959.1 | 2866.4 | 1773.5 |
| 57.5° | 4616.2 | 4362.7 | 4109.3 | 4027.9 | 3946.6 | 4275.5 | 4661.1 | 4738.5 | 4248.9 | 3054.9 | 1860.7 |
| 60° | 4887.9 | 4637.2 | 4386.1 | 4321.0 | 4255.6 | 4578.6 | 4906.8 | 4850.5 | 4398.4 | 3143.2 | 1887.8 |
| 62.5° | 5097.0 | 4897.5 | 4698.1 | 4663.8 | 4629.2 | 4885.3 | 5095.7 | 4806.8 | 4303.5 | 3056.2 | 1809.1 |
| 65° | 5185.0 | 5071.4 | 4957.6 | 4989.7 | 5021.7 | 5117.2 | 5142.7 | 4679.2 | 4005.1 | 2812.7 | 1620.2 |
| 67.5° | 4932.1 | 4955.2 | 4978.4 | 5113.5 | 5248.2 | 5182.6 | 5002.8 | 4427.6 | 3580.4 | 2467.5 | 1354.7 |
| 70° | 4171.0 | 4309.8 | 4448.3 | 4768.0 | 5087.4 | 4941.7 | 4628.1 | 3976.1 | 3069.3 | 2070.0 | 1070.3 |
| 72.5° | 3191.9 | 3348.0 | 3503.8 | 3978.2 | 4452.3 | 4318.1 | 3934.1 | 3265.8 | 2460.9 | 1652.9 | 844.8 |
| 75° | 2311.2 | 2487.4 | 2663.5 | 3186.8 | 3710.2 | 3523.8 | 2942.7 | 2338.3 | 1869.2 | 1261.8 | 654.1 |
| 77.5° | 1646.3 | 1764.4 | 1882.5 | 2399.4 | 2916.1 | 2612.4 | 1958.8 | 1573.5 | 1293.7 | 877.1 | 460.1 |
| 80° | 1320.6 | 1284.4 | 1248.3 | 1536.2 | 1824.2 | 1773.7 | 1295.6 | 1010.5 | 895.4 | 587.7 | 280.0 |
| 82.5° | 1077.2 | 988.9 | 900.7 | 1036.3 | 1171.9 | 1164.4 | 899.1 | 741.4 | 666.4 | 408.5 | 150.5 |
| 85° | 789.0 | 753.6 | 718.2 | 838.2 | 958.1 | 855.7 | 609.0 | 471.2 | 519.6 | 300.8 | 81.9 |
| 87.5° | 384.8 | 439.6 | 494.1 | 635.6 | 776.7 | 583.1 | 184.8 | 91.5 | 126.6 | 83.3 | 39.6 |
| 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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 2072.0 | 2050.2 | 2025.6 | 2000.8 | 1972.6 | 1944.1 | 1927.4 | 1910.4 | 1892.1 | 1873.7 | 1852.9 |
| 5° | 1897.7 | 1851.9 | 1800.0 | 1748.1 | 1696.8 | 1645.6 | 1617.9 | 1590.2 | 1561.0 | 1531.5 | 1505.9 |
| 7.5° | 1647.2 | 1580.4 | 1508.5 | 1436.5 | 1372.7 | 1308.6 | 1269.0 | 1229.1 | 1192.9 | 1156.5 | 1126.0 |
| 10° | 1426.7 | 1341.6 | 1269.5 | 1197.2 | 1149.1 | 1100.9 | 1064.5 | 1028.1 | 992.9 | 957.6 | 923.8 |
| 12.5° | 1281.5 | 1196.4 | 1150.6 | 1104.9 | 1065.0 | 1025.2 | 983.2 | 940.9 | 892.7 | 844.3 | 809.0 |
| 15° | 1224.8 | 1147.5 | 1096.7 | 1045.6 | 992.2 | 938.4 | 886.8 | 835.2 | 778.4 | 721.5 | 681.3 |
| 17.5° | 1200.4 | 1099.0 | 1028.1 | 956.8 | 886.4 | 815.8 | 756.0 | 696.1 | 633.9 | 571.7 | 531.1 |
| 20° | 1174.6 | 1039.8 | 944.6 | 849.1 | 758.7 | 668.3 | 600.5 | 532.7 | 477.0 | 421.5 | 390.4 |
| 22.5° | 1151.2 | 976.7 | 857.3 | 737.7 | 630.8 | 523.9 | 457.4 | 390.6 | 356.6 | 322.6 | 310.1 |
| 25° | 1141.6 | 921.7 | 774.9 | 628.1 | 515.3 | 402.3 | 355.0 | 307.7 | 294.6 | 281.3 | 275.0 |
| 27.5° | 1143.2 | 872.5 | 705.5 | 538.2 | 436.6 | 335.1 | 302.7 | 270.1 | 262.2 | 253.9 | 249.9 |
| 30° | 1149.3 | 819.0 | 640.1 | 461.1 | 377.4 | 293.6 | 272.6 | 251.3 | 242.8 | 234.3 | 229.3 |
| 32.5° | 1156.2 | 771.1 | 589.6 | 407.6 | 339.4 | 270.7 | 253.4 | 235.9 | 227.7 | 219.4 | 214.3 |
| 35° | 1144.3 | 732.1 | 555.0 | 377.8 | 314.9 | 251.5 | 236.9 | 222.1 | 213.0 | 204.0 | 199.2 |
| 37.5° | 1124.1 | 692.7 | 528.1 | 363.2 | 298.9 | 234.3 | 223.7 | 212.8 | 203.4 | 193.9 | 189.4 |
| 40° | 1105.7 | 659.5 | 508.2 | 356.6 | 290.1 | 223.4 | 214.3 | 205.3 | 195.7 | 185.8 | 180.5 |
| 42.5° | 1090.8 | 637.2 | 488.5 | 339.8 | 282.2 | 224.1 | 211.4 | 198.4 | 189.1 | 179.8 | 173.9 |
| 45° | 1079.7 | 622.6 | 473.0 | 323.6 | 274.7 | 225.8 | 209.5 | 193.3 | 184.0 | 174.5 | 167.5 |
| 47.5° | 1078.5 | 614.8 | 462.1 | 309.6 | 260.6 | 211.4 | 204.8 | 198.1 | 184.5 | 170.8 | 162.7 |
| 50° | 1093.2 | 602.3 | 449.4 | 296.2 | 247.0 | 197.9 | 206.9 | 215.7 | 192.6 | 169.2 | 159.0 |
| 52.5° | 1123.8 | 580.3 | 429.2 | 278.2 | 230.6 | 182.7 | 196.7 | 210.6 | 190.7 | 170.5 | 157.4 |
| 55° | 1160.7 | 547.8 | 398.6 | 249.2 | 208.8 | 168.1 | 180.5 | 192.8 | 180.3 | 167.5 | 151.8 |
| 57.5° | 1183.9 | 506.9 | 360.0 | 213.2 | 184.3 | 155.3 | 162.5 | 169.4 | 164.3 | 159.3 | 143.4 |
| 60° | 1170.0 | 452.4 | 316.7 | 180.8 | 162.7 | 144.7 | 143.4 | 141.8 | 149.1 | 156.6 | 138.2 |
| 62.5° | 1102.5 | 396.0 | 278.4 | 160.9 | 147.3 | 133.5 | 130.6 | 127.3 | 139.6 | 151.6 | 132.2 |
| 65° | 988.5 | 356.6 | 254.2 | 151.8 | 136.7 | 121.6 | 118.3 | 115.1 | 118.9 | 122.6 | 113.6 |
| 67.5° | 843.5 | 332.4 | 240.4 | 148.4 | 130.0 | 111.4 | 107.7 | 104.0 | 103.2 | 102.4 | 99.2 |
| 70° | 694.1 | 317.5 | 231.4 | 145.2 | 122.9 | 100.2 | 96.8 | 93.3 | 92.3 | 90.9 | 88.6 |
| 72.5° | 580.3 | 315.6 | 230.3 | 144.9 | 117.0 | 89.1 | 85.9 | 82.7 | 81.4 | 79.7 | 77.9 |
| 75° | 475.2 | 296.2 | 218.6 | 140.9 | 109.0 | 76.9 | 74.0 | 71.0 | 70.0 | 68.6 | 67.0 |
| 77.5° | 352.6 | 245.2 | 183.8 | 122.3 | 93.3 | 64.4 | 61.4 | 58.2 | 57.9 | 57.5 | 56.1 |
| 80° | 228.7 | 177.4 | 131.3 | 85.3 | 68.1 | 50.5 | 48.2 | 45.5 | 45.7 | 46.0 | 44.9 |
| 82.5° | 127.2 | 103.4 | 80.3 | 57.2 | 46.6 | 35.9 | 34.8 | 33.5 | 34.3 | 34.8 | 33.5 |
| 85° | 67.0 | 52.2 | 43.0 | 34.0 | 26.8 | 19.7 | 19.7 | 19.4 | 20.5 | 21.5 | 20.5 |
| 87.5° | 29.0 | 18.4 | 15.6 | 12.8 | 7.2 | 1.3 | 1.6 | 1.6 | 2.1 | 2.7 | 2.4 |
| 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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 1832.0 | 1812.5 | 1792.9 | 1771.3 | 1775.3 | 1758.9 | 1742.4 | 1731.9 | 1721.6 | 1718.4 | 1715.2 |
| 5° | 1480.4 | 1458.3 | 1436.0 | 1416.0 | 1433.4 | 1421.6 | 1409.9 | 1408.3 | 1406.5 | 1406.5 | 1406.2 |
| 7.5° | 1095.3 | 1071.7 | 1047.7 | 1031.2 | 1048.3 | 1046.1 | 1044.0 | 1055.4 | 1066.9 | 1076.2 | 1085.3 |
| 10° | 890.0 | 861.3 | 832.3 | 807.8 | 803.6 | 791.3 | 778.9 | 781.6 | 783.9 | 794.1 | 804.1 |
| 12.5° | 773.6 | 739.3 | 705.0 | 676.2 | 663.2 | 643.0 | 622.6 | 609.8 | 597.0 | 598.3 | 599.4 |
| 15° | 640.9 | 607.6 | 574.1 | 549.4 | 541.1 | 525.5 | 509.7 | 493.8 | 477.6 | 471.0 | 464.0 |
| 17.5° | 490.1 | 463.5 | 436.6 | 420.1 | 420.1 | 415.7 | 411.1 | 403.2 | 394.9 | 388.3 | 381.4 |
| 20° | 359.3 | 345.1 | 330.8 | 323.9 | 326.0 | 326.3 | 326.3 | 330.2 | 334.2 | 332.1 | 330.0 |
| 22.5° | 297.3 | 292.2 | 287.2 | 284.3 | 285.3 | 285.6 | 285.9 | 289.6 | 293.1 | 295.7 | 298.1 |
| 25° | 268.3 | 265.1 | 262.0 | 260.8 | 263.3 | 263.5 | 263.5 | 266.0 | 268.3 | 271.0 | 273.6 |
| 27.5° | 245.7 | 244.3 | 243.0 | 241.2 | 243.6 | 243.6 | 243.3 | 246.0 | 248.4 | 250.8 | 252.9 |
| 30° | 224.1 | 224.7 | 225.0 | 224.4 | 226.0 | 227.1 | 227.9 | 229.7 | 231.4 | 233.3 | 235.1 |
| 32.5° | 209.0 | 208.2 | 207.5 | 206.9 | 210.3 | 212.2 | 214.1 | 215.9 | 217.5 | 218.4 | 219.1 |
| 35° | 194.4 | 192.6 | 190.7 | 189.4 | 192.6 | 194.9 | 197.3 | 200.7 | 204.0 | 204.5 | 205.0 |
| 37.5° | 184.5 | 182.1 | 179.8 | 178.2 | 179.5 | 180.5 | 181.7 | 185.4 | 189.1 | 191.2 | 193.0 |
| 40° | 175.2 | 172.9 | 170.5 | 169.2 | 169.9 | 170.2 | 170.5 | 172.3 | 173.9 | 177.9 | 181.7 |
| 42.5° | 167.8 | 164.9 | 161.9 | 160.3 | 160.9 | 161.4 | 161.7 | 161.4 | 161.2 | 164.9 | 168.6 |
| 45° | 160.3 | 157.2 | 154.0 | 152.1 | 152.4 | 152.4 | 152.4 | 151.8 | 151.0 | 152.9 | 154.7 |
| 47.5° | 154.5 | 150.8 | 147.1 | 145.2 | 144.7 | 144.1 | 143.6 | 143.4 | 142.8 | 144.1 | 145.2 |
| 50° | 148.7 | 144.7 | 140.4 | 138.2 | 136.9 | 136.4 | 135.9 | 135.6 | 135.1 | 136.4 | 137.5 |
| 52.5° | 144.1 | 139.4 | 134.5 | 131.1 | 129.8 | 128.9 | 128.2 | 128.5 | 128.5 | 128.9 | 129.2 |
| 55° | 136.2 | 131.9 | 127.3 | 125.0 | 122.6 | 122.0 | 121.6 | 122.3 | 122.9 | 122.9 | 122.9 |
| 57.5° | 127.3 | 123.4 | 119.1 | 117.6 | 115.4 | 115.4 | 115.1 | 116.2 | 117.0 | 117.6 | 118.0 |
| 60° | 119.7 | 115.1 | 110.7 | 109.3 | 108.5 | 108.2 | 108.0 | 109.3 | 110.4 | 111.4 | 112.5 |
| 62.5° | 112.5 | 107.7 | 102.9 | 101.4 | 101.1 | 101.4 | 101.4 | 102.7 | 103.7 | 104.8 | 105.8 |
| 65° | 104.5 | 99.7 | 94.6 | 93.1 | 93.6 | 94.4 | 95.2 | 96.2 | 97.1 | 98.1 | 99.2 |
| 67.5° | 95.8 | 91.8 | 87.5 | 85.9 | 86.2 | 87.2 | 88.3 | 89.1 | 89.6 | 90.6 | 91.8 |
| 70° | 86.2 | 82.7 | 79.3 | 78.2 | 77.9 | 79.3 | 80.3 | 80.9 | 81.4 | 82.7 | 83.7 |
| 72.5° | 75.8 | 72.8 | 70.0 | 69.1 | 69.4 | 70.2 | 71.0 | 71.8 | 72.3 | 73.7 | 74.7 |
| 75° | 65.1 | 62.5 | 59.8 | 59.3 | 59.8 | 60.6 | 61.4 | 61.9 | 62.5 | 64.1 | 65.4 |
| 77.5° | 54.8 | 51.9 | 48.6 | 48.4 | 49.2 | 50.0 | 50.5 | 51.3 | 52.2 | 54.2 | 56.4 |
| 80° | 43.9 | 40.7 | 37.3 | 37.0 | 37.7 | 38.6 | 39.3 | 40.1 | 41.0 | 43.6 | 46.0 |
| 82.5° | 32.1 | 28.4 | 24.7 | 24.2 | 26.8 | 27.7 | 28.4 | 29.8 | 30.8 | 33.3 | 35.7 |
| 85° | 19.4 | 15.6 | 11.9 | 11.7 | 14.1 | 15.5 | 16.8 | 18.4 | 19.7 | 21.8 | 23.9 |
| 87.5° | 2.1 | 1.0 | 0.0 | 0.0 | 0.3 | 1.3 | 2.4 | 3.7 | 5.0 | 7.2 | 9.0 |
| 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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 1703.5 | 1691.5 | 1703.8 | 1715.7 | 1720.8 | 1725.9 | 1712.8 | 1699.5 | 1720.3 | 1740.7 | 1746.1 |
| 5° | 1395.6 | 1384.7 | 1392.9 | 1400.9 | 1383.1 | 1365.3 | 1363.4 | 1361.3 | 1376.6 | 1392.1 | 1394.5 |
| 7.5° | 1081.8 | 1078.4 | 1086.0 | 1093.7 | 1071.1 | 1048.3 | 1037.1 | 1025.9 | 1029.6 | 1033.4 | 1032.8 |
| 10° | 806.5 | 808.7 | 818.3 | 827.6 | 810.0 | 792.5 | 784.7 | 777.0 | 785.6 | 793.8 | 801.5 |
| 12.5° | 604.2 | 608.7 | 618.8 | 628.6 | 621.4 | 614.0 | 614.8 | 615.6 | 625.4 | 635.0 | 643.5 |
| 15° | 469.3 | 474.7 | 481.9 | 488.8 | 489.1 | 489.1 | 496.0 | 502.6 | 501.8 | 501.0 | 506.9 |
| 17.5° | 388.5 | 395.4 | 396.2 | 397.0 | 397.3 | 397.6 | 397.0 | 396.5 | 392.5 | 388.5 | 393.0 |
| 20° | 332.7 | 335.1 | 337.2 | 339.1 | 336.7 | 334.0 | 327.3 | 320.7 | 318.0 | 315.4 | 319.6 |
| 22.5° | 302.7 | 306.9 | 304.7 | 302.4 | 297.5 | 292.5 | 287.5 | 282.2 | 281.9 | 281.3 | 283.7 |
| 25° | 277.3 | 280.8 | 277.1 | 273.4 | 269.9 | 266.4 | 263.0 | 259.5 | 259.2 | 259.0 | 260.1 |
| 27.5° | 256.4 | 259.5 | 256.1 | 252.6 | 249.7 | 246.8 | 244.2 | 241.5 | 240.9 | 240.4 | 240.6 |
| 30° | 238.3 | 241.2 | 238.3 | 235.1 | 233.0 | 230.6 | 228.7 | 226.8 | 226.6 | 226.3 | 226.3 |
| 32.5° | 222.1 | 225.0 | 222.8 | 220.7 | 218.8 | 217.0 | 215.7 | 214.3 | 213.0 | 211.6 | 208.8 |
| 35° | 207.9 | 210.9 | 209.5 | 207.9 | 205.8 | 203.7 | 201.3 | 198.6 | 195.2 | 191.4 | 189.8 |
| 37.5° | 196.0 | 198.9 | 197.6 | 196.3 | 193.3 | 190.4 | 186.1 | 181.7 | 180.5 | 179.2 | 179.0 |
| 40° | 186.4 | 191.0 | 188.3 | 185.4 | 180.8 | 176.3 | 174.2 | 172.1 | 171.5 | 171.0 | 170.5 |
| 42.5° | 175.8 | 182.7 | 177.9 | 173.1 | 168.9 | 164.6 | 164.0 | 163.6 | 163.3 | 163.0 | 163.0 |
| 45° | 162.5 | 169.9 | 165.2 | 160.0 | 157.7 | 155.3 | 155.3 | 155.3 | 155.6 | 155.6 | 156.1 |
| 47.5° | 150.0 | 154.5 | 152.1 | 149.7 | 148.4 | 147.1 | 147.3 | 147.6 | 148.4 | 149.0 | 150.3 |
| 50° | 139.4 | 140.9 | 141.5 | 141.8 | 140.9 | 140.1 | 140.7 | 140.9 | 141.8 | 142.2 | 143.4 |
| 52.5° | 131.6 | 134.0 | 134.0 | 133.8 | 133.8 | 133.8 | 134.3 | 134.8 | 135.6 | 136.4 | 137.5 |
| 55° | 126.6 | 130.0 | 128.9 | 127.9 | 128.2 | 128.2 | 128.7 | 129.2 | 130.0 | 130.6 | 132.2 |
| 57.5° | 121.8 | 125.5 | 124.5 | 123.4 | 123.4 | 123.4 | 123.6 | 123.9 | 124.7 | 125.3 | 126.3 |
| 60° | 116.2 | 119.9 | 118.9 | 117.6 | 117.8 | 118.0 | 118.3 | 118.3 | 118.9 | 119.1 | 119.1 |
| 62.5° | 109.5 | 113.3 | 112.3 | 110.9 | 111.7 | 112.3 | 112.3 | 112.3 | 112.7 | 113.0 | 112.3 |
| 65° | 102.7 | 106.1 | 105.1 | 104.0 | 105.1 | 105.8 | 106.4 | 106.7 | 106.4 | 106.1 | 105.3 |
| 67.5° | 95.2 | 98.7 | 97.6 | 96.2 | 97.6 | 98.7 | 99.7 | 100.5 | 99.7 | 98.9 | 97.9 |
| 70° | 87.2 | 90.6 | 89.3 | 88.0 | 89.3 | 90.6 | 91.8 | 92.8 | 91.8 | 90.6 | 90.5 |
| 72.5° | 78.7 | 82.7 | 81.1 | 79.6 | 81.1 | 82.7 | 83.3 | 83.7 | 83.0 | 82.2 | 81.6 |
| 75° | 69.4 | 73.4 | 72.1 | 70.4 | 71.8 | 73.1 | 73.4 | 73.7 | 73.7 | 73.4 | 71.8 |
| 77.5° | 59.5 | 62.8 | 61.9 | 61.2 | 61.9 | 62.8 | 62.8 | 62.8 | 63.1 | 63.1 | 60.9 |
| 80° | 47.9 | 49.7 | 50.0 | 50.3 | 50.5 | 50.8 | 50.5 | 50.3 | 49.7 | 49.2 | 47.9 |
| 82.5° | 35.7 | 35.7 | 37.7 | 39.6 | 39.6 | 39.3 | 39.1 | 38.6 | 37.5 | 36.1 | 33.3 |
| 85° | 22.6 | 21.2 | 24.7 | 27.9 | 27.9 | 27.7 | 27.1 | 26.4 | 24.2 | 21.8 | 19.4 |
| 87.5° | 7.7 | 6.4 | 9.9 | 13.3 | 13.6 | 13.6 | 13.0 | 12.5 | 10.3 | 8.0 | 6.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 1754.0 | 1757.5 | 1760.7 | 1786.7 | 1812.5 | 1842.9 | 1873.2 | 1896.3 | 1919.2 | 1942.8 | 1966.5 |
| 5° | 1402.7 | 1407.0 | 1411.3 | 1442.9 | 1474.3 | 1516.6 | 1558.9 | 1595.3 | 1631.7 | 1674.5 | 1717.3 |
| 7.5° | 1039.8 | 1049.1 | 1058.1 | 1091.9 | 1125.4 | 1170.9 | 1216.0 | 1263.6 | 1311.0 | 1366.9 | 1422.7 |
| 10° | 816.7 | 834.2 | 851.5 | 886.1 | 920.6 | 965.5 | 1010.3 | 1060.0 | 1109.7 | 1164.7 | 1219.5 |
| 12.5° | 661.1 | 684.5 | 707.6 | 749.2 | 790.6 | 844.3 | 897.7 | 953.1 | 1008.1 | 1056.5 | 1104.9 |
| 15° | 522.3 | 547.8 | 573.1 | 617.0 | 660.8 | 719.9 | 778.6 | 839.0 | 899.1 | 957.1 | 1015.0 |
| 17.5° | 407.4 | 428.4 | 449.1 | 486.4 | 523.3 | 580.5 | 637.6 | 701.0 | 764.2 | 835.0 | 905.5 |
| 20° | 328.6 | 337.5 | 346.3 | 373.1 | 399.7 | 446.2 | 492.5 | 557.1 | 621.7 | 706.3 | 790.9 |
| 22.5° | 288.0 | 292.5 | 296.8 | 309.8 | 322.6 | 352.6 | 382.4 | 439.6 | 496.5 | 588.7 | 680.8 |
| 25° | 263.5 | 267.0 | 270.4 | 279.0 | 287.5 | 301.8 | 316.2 | 356.3 | 396.5 | 487.2 | 577.6 |
| 27.5° | 241.5 | 246.8 | 251.8 | 255.8 | 259.5 | 269.4 | 279.0 | 305.3 | 331.6 | 416.2 | 500.4 |
| 30° | 225.5 | 227.4 | 229.3 | 235.3 | 241.2 | 251.3 | 261.4 | 279.7 | 298.1 | 369.6 | 440.9 |
| 32.5° | 206.9 | 209.5 | 212.2 | 218.6 | 225.0 | 234.3 | 243.6 | 258.5 | 273.1 | 334.2 | 395.2 |
| 35° | 190.1 | 192.8 | 195.4 | 201.9 | 207.9 | 218.1 | 227.9 | 240.4 | 252.6 | 305.8 | 359.0 |
| 37.5° | 179.8 | 182.4 | 185.1 | 190.7 | 196.0 | 206.1 | 215.9 | 225.8 | 235.3 | 284.5 | 333.8 |
| 40° | 171.0 | 173.6 | 176.3 | 181.7 | 186.7 | 196.6 | 206.1 | 214.3 | 222.5 | 268.6 | 314.6 |
| 42.5° | 163.3 | 166.2 | 169.2 | 174.5 | 179.5 | 188.3 | 197.0 | 207.9 | 218.6 | 254.8 | 290.6 |
| 45° | 156.9 | 159.9 | 162.5 | 168.3 | 174.2 | 182.7 | 191.2 | 206.3 | 221.5 | 247.6 | 273.6 |
| 47.5° | 151.0 | 154.3 | 157.2 | 163.6 | 169.9 | 180.5 | 191.0 | 203.7 | 216.2 | 242.0 | 267.8 |
| 50° | 145.4 | 149.1 | 152.9 | 160.6 | 168.1 | 185.8 | 203.4 | 205.3 | 206.9 | 237.5 | 267.8 |
| 52.5° | 140.1 | 144.4 | 148.7 | 158.3 | 167.5 | 188.3 | 209.0 | 202.3 | 195.4 | 229.0 | 262.5 |
| 55° | 134.8 | 138.5 | 142.0 | 153.7 | 165.4 | 180.5 | 195.7 | 187.0 | 177.9 | 213.0 | 248.1 |
| 57.5° | 127.6 | 131.6 | 135.4 | 147.8 | 160.3 | 171.0 | 181.4 | 173.4 | 165.2 | 194.9 | 224.4 |
| 60° | 120.2 | 124.7 | 129.2 | 145.2 | 160.9 | 159.0 | 156.9 | 155.3 | 153.4 | 174.7 | 196.0 |
| 62.5° | 113.6 | 118.3 | 123.2 | 143.8 | 164.6 | 151.8 | 139.1 | 140.4 | 141.5 | 157.2 | 172.9 |
| 65° | 106.9 | 111.7 | 116.2 | 126.6 | 136.9 | 131.9 | 126.9 | 128.9 | 130.8 | 146.3 | 161.7 |
| 67.5° | 99.5 | 103.7 | 107.7 | 111.1 | 114.6 | 115.1 | 115.7 | 117.8 | 119.9 | 138.2 | 156.4 |
| 70° | 91.2 | 94.6 | 98.1 | 100.5 | 102.7 | 103.7 | 104.5 | 107.1 | 109.8 | 129.8 | 149.7 |
| 72.5° | 81.9 | 84.9 | 87.5 | 89.6 | 91.8 | 92.5 | 93.1 | 95.8 | 98.4 | 119.7 | 140.9 |
| 75° | 71.8 | 74.2 | 76.3 | 78.2 | 80.0 | 81.1 | 82.2 | 84.0 | 85.9 | 109.0 | 131.9 |
| 77.5° | 60.6 | 63.1 | 65.1 | 66.8 | 68.1 | 69.1 | 70.0 | 72.3 | 74.7 | 94.2 | 113.3 |
| 80° | 47.3 | 50.3 | 52.9 | 54.2 | 55.3 | 55.6 | 55.6 | 57.7 | 59.8 | 73.7 | 87.2 |
| 82.5° | 33.5 | 36.7 | 39.6 | 40.7 | 41.7 | 41.7 | 41.7 | 44.2 | 46.6 | 55.8 | 64.9 |
| 85° | 19.7 | 23.1 | 26.4 | 27.4 | 28.4 | 29.0 | 29.3 | 30.3 | 31.1 | 37.7 | 44.2 |
| 87.5° | 6.1 | 9.0 | 11.7 | 12.2 | 12.8 | 13.8 | 14.9 | 15.2 | 15.2 | 19.7 | 24.2 |
| 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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 | 2026.3 |
| 2.5° | 1993.6 | 2020.7 | 2052.4 | 2083.8 | 2110.6 | 2137.5 | 2159.8 |
| 5° | 1771.8 | 1826.4 | 1893.1 | 1959.6 | 2018.8 | 2078.2 | 2147.0 |
| 7.5° | 1493.2 | 1563.6 | 1650.1 | 1736.5 | 1820.2 | 1903.7 | 2009.6 |
| 10° | 1291.3 | 1362.9 | 1454.3 | 1545.5 | 1639.7 | 1733.5 | 1853.2 |
| 12.5° | 1163.1 | 1221.1 | 1309.7 | 1398.3 | 1508.8 | 1619.2 | 1734.4 |
| 15° | 1078.5 | 1141.9 | 1228.1 | 1314.2 | 1435.1 | 1556.2 | 1688.6 |
| 17.5° | 988.5 | 1071.1 | 1181.5 | 1291.9 | 1435.1 | 1578.2 | 1734.4 |
| 20° | 894.0 | 996.9 | 1140.0 | 1283.1 | 1476.1 | 1669.0 | 1868.1 |
| 22.5° | 799.9 | 919.1 | 1102.5 | 1285.7 | 1538.1 | 1790.2 | 2059.0 |
| 25° | 715.1 | 852.6 | 1079.7 | 1306.5 | 1628.3 | 1949.7 | 2283.2 |
| 27.5° | 650.7 | 800.7 | 1070.3 | 1339.8 | 1742.6 | 2145.4 | 2527.1 |
| 30° | 593.6 | 746.2 | 1059.2 | 1372.2 | 1852.7 | 2333.0 | 2717.7 |
| 32.5° | 544.1 | 693.0 | 1037.7 | 1382.0 | 1929.5 | 2477.1 | 2879.1 |
| 35° | 505.3 | 651.5 | 1001.5 | 1351.4 | 1977.7 | 2604.0 | 3047.2 |
| 37.5° | 471.7 | 609.8 | 960.2 | 1310.8 | 2020.5 | 2730.3 | 3236.3 |
| 40° | 439.9 | 565.1 | 924.8 | 1284.4 | 2079.5 | 2874.7 | 3436.0 |
| 42.5° | 409.5 | 528.4 | 896.4 | 1264.5 | 2134.3 | 3003.9 | 3610.7 |
| 45° | 386.9 | 500.2 | 871.2 | 1241.8 | 2169.7 | 3097.5 | 3742.3 |
| 47.5° | 375.8 | 483.5 | 857.6 | 1231.5 | 2205.1 | 3178.3 | 3851.7 |
| 50° | 374.1 | 480.5 | 873.0 | 1265.5 | 2281.6 | 3297.5 | 3976.6 |
| 52.5° | 373.9 | 485.3 | 917.5 | 1349.5 | 2423.9 | 3498.0 | 4111.9 |
| 55° | 368.3 | 488.2 | 970.4 | 1452.2 | 2614.9 | 3777.1 | 4355.3 |
| 57.5° | 351.3 | 478.2 | 1024.9 | 1571.3 | 2816.6 | 4061.7 | 4629.4 |
| 60° | 324.9 | 453.7 | 1069.8 | 1685.7 | 2952.3 | 4218.6 | 4735.1 |
| 62.5° | 291.9 | 410.8 | 1084.7 | 1758.3 | 2948.5 | 4138.9 | 4628.7 |
| 65° | 263.8 | 365.9 | 1035.8 | 1705.4 | 2799.4 | 3893.1 | 4418.3 |
| 67.5° | 238.8 | 321.0 | 913.5 | 1505.7 | 2531.0 | 3556.2 | 4150.8 |
| 70° | 220.7 | 291.5 | 755.8 | 1220.0 | 2195.2 | 3170.1 | 3841.0 |
| 72.5° | 209.3 | 277.3 | 616.1 | 954.6 | 1781.4 | 2607.9 | 3285.5 |
| 75° | 193.6 | 255.2 | 483.5 | 711.3 | 1363.4 | 2015.4 | 2481.5 |
| 77.5° | 164.3 | 215.1 | 364.3 | 513.5 | 1000.4 | 1487.0 | 1725.9 |
| 80° | 126.9 | 166.2 | 250.5 | 334.8 | 688.5 | 1042.1 | 1176.7 |
| 82.5° | 90.5 | 116.0 | 151.8 | 187.7 | 457.4 | 726.8 | 738.0 |
| 85° | 55.8 | 67.5 | 86.9 | 106.4 | 302.7 | 498.8 | 415.7 |
| 87.5° | 30.1 | 35.9 | 46.0 | 55.8 | 96.8 | 137.8 | 79.3 |
| 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: P382807
 CATALOG NUMBER: GLEON-SA1D-735-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-79-08: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

All Brands

Data applicable to all product families using SA light engines

Report Number: SP1-2101-121-7

Luminaire Tested: IFLD-S-SA2A-735-U-T2

Test Date: 03/04/2021

Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-7
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/04/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-735-U-T2**
 Description: STREETWORKS INF FLOOD

PROGRAMMED @ 615mA.

Spectral Parameters

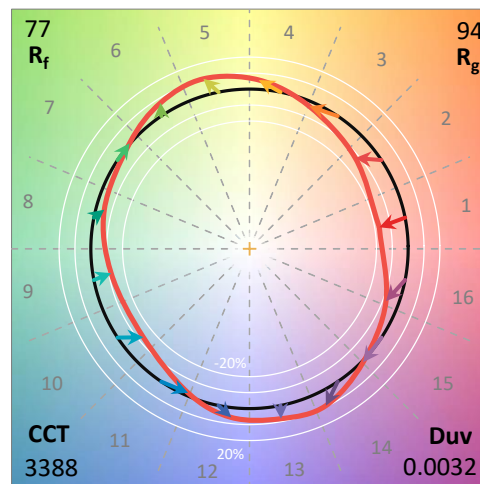
CCT (K): 3388
 CIE u': 0.2371
 CIE v': 0.5177
 Duv: 0.0032
 CIE x: 0.4153
 CIE y: 0.4030
 CIE z: 0.1817
 Peak Wavelength (nm): 590
 Dominant Wavelength (nm): 580
 Purity: 45.7

 Rf: 76.9
 Rg: 94.4

| | | | |
|-----------|------|------|-------|
| CRI (Ra): | 73.1 | | |
| R1: | 68.9 | R9: | -34.6 |
| R2: | 81.1 | R10: | 57.8 |
| R3: | 93.1 | R11: | 68.6 |
| R4: | 71.6 | R12: | 53.9 |
| R5: | 69.4 | R13: | 70.9 |
| R6: | 75.0 | R14: | 96.2 |
| R7: | 79.5 | | |
| R8: | 46.4 | | |

Test Conditions

Stabilization Time: 81M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 25.0/30%
 Sphere Temperature (°C): 24.1

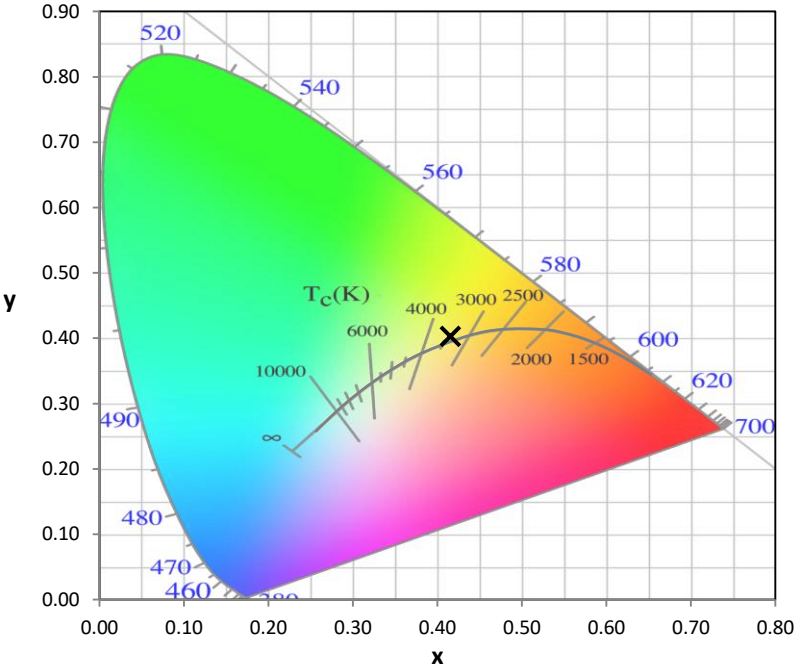


REPORT NUMBER: SP1-2101-121-7

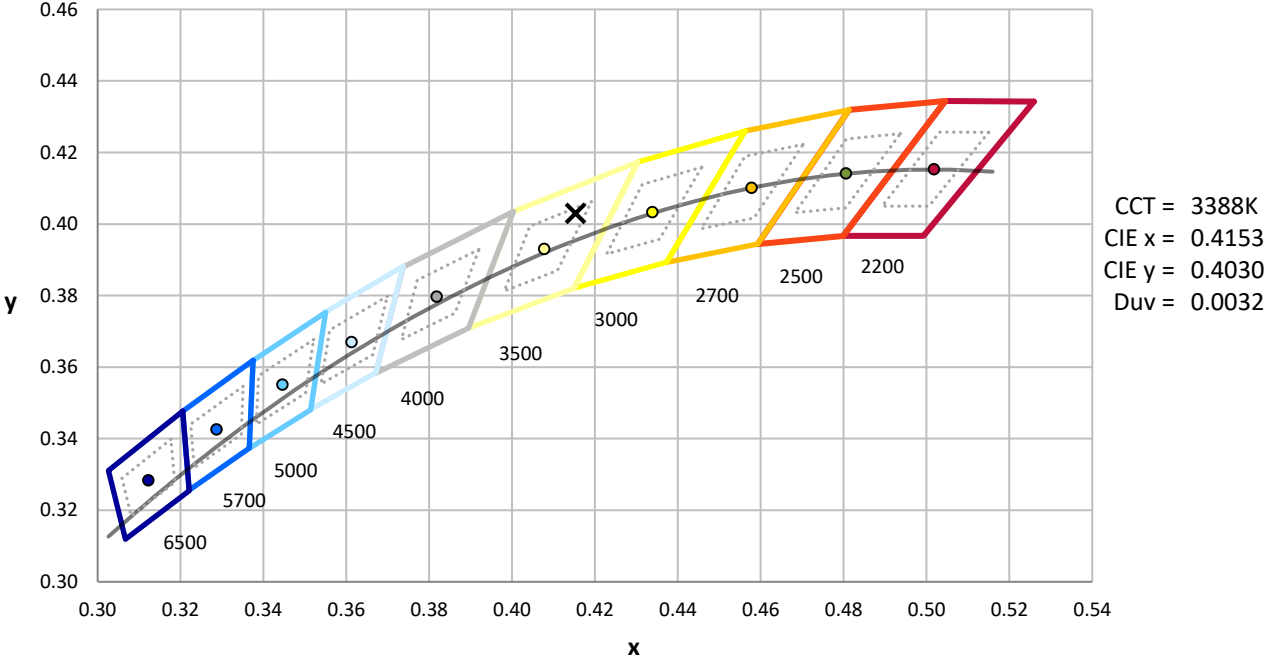
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 12/1/2021 |
| AC Power Source | IN0063 | 12/1/2020 | 12/1/2021 |
| DC Power Source | IN0208 | 12/1/2020 | 12/1/2021 |
| Sphere Thermometer | IN0085 | 12/1/2020 | 12/1/2021 |
| Room Thermometer | IN0046 | 12/1/2020 | 12/1/2021 |

REPORT NUMBER: SP1-2101-121-7

CIE 1931 Chromaticity Diagram



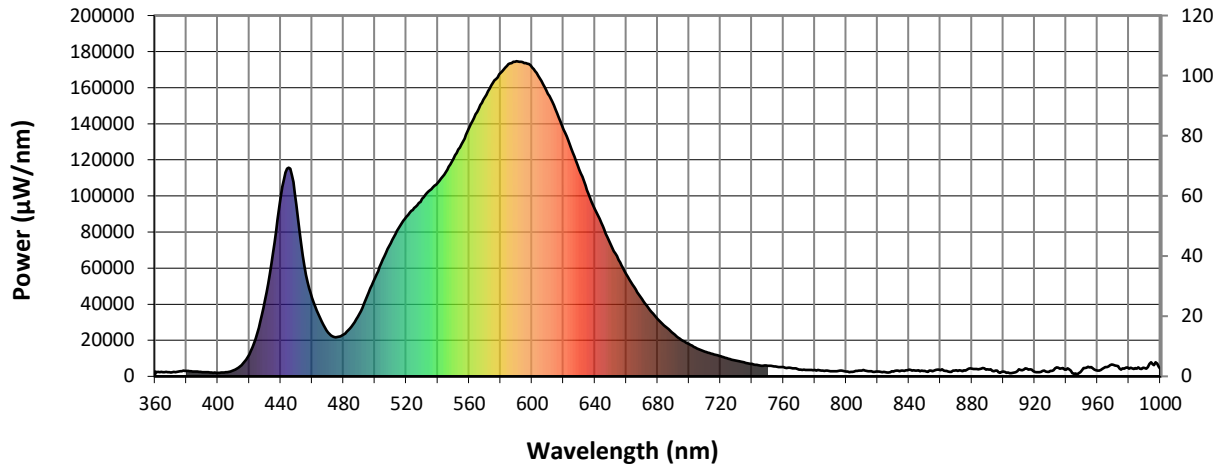
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 3500K 4-step quadrangle

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Photopic Flux vs. Wavelength



#####

| 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 | 2672 | 0.0 | 490 | 34553 | 4.9 | 620 | 136720 | 35.6 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 8.0 | 625 | 126308 | 27.9 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 12.1 | 630 | 114625 | 20.7 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 18.1 | 635 | 103216 | 15.5 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 25.4 | 640 | 92605 | 11.1 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 33.9 | 645 | 83234 | 8.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 43.0 | 650 | 73263 | 5.4 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 50.1 | 655 | 64627 | 3.7 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 57.9 | 660 | 56614 | 2.4 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 64.0 | 665 | 49537 | 1.6 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.0 | 540 | 107316 | 69.9 | 670 | 42866 | 0.9 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.0 | 545 | 113101 | 75.3 | 675 | 36708 | 0.6 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 0.0 | 550 | 120690 | 82.0 | 680 | 31814 | 0.4 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 0.1 | 555 | 128583 | 87.8 | 685 | 27485 | 0.2 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 0.3 | 560 | 137796 | 93.6 | 690 | 23698 | 0.1 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 0.8 | 565 | 146577 | 97.5 | 695 | 20309 | 0.1 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 1.6 | 570 | 154581 | 100.5 | 700 | 17890 | 0.1 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 2.4 | 575 | 162633 | 101.2 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 2.5 | 580 | 168101 | 99.9 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 2.1 | 585 | 173145 | 96.2 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 1.8 | 590 | 174675 | 90.3 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 1.7 | 595 | 173724 | 82.3 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 1.5 | 600 | 171241 | 73.8 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 1.7 | 605 | 165134 | 64.0 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 2.2 | 610 | 156652 | 53.8 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 3.3 | 615 | 147879 | 44.6 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Scotopic Flux vs. Wavelength



Scotopic Lumens: 12126

S/P: 1.36

| 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 | 2672 | 0.0 | 490 | 34553 | 53.2 | 620 | 136720 | 1.7 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 71.7 | 625 | 126308 | 1.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 91.4 | 630 | 114625 | 0.6 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 110.0 | 635 | 103216 | 0.4 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 125.1 | 640 | 92605 | 0.2 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 135.7 | 645 | 83234 | 0.1 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 140.8 | 650 | 73263 | 0.1 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 139.6 | 655 | 64627 | 0.1 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 135.7 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.1 | 535 | 103269 | 128.7 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.2 | 540 | 107316 | 118.6 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.6 | 545 | 113101 | 108.4 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 2.0 | 550 | 120690 | 98.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 5.9 | 555 | 128583 | 87.9 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 14.3 | 560 | 137796 | 77.0 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 30.5 | 565 | 146577 | 65.8 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 55.5 | 570 | 154581 | 54.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 77.4 | 575 | 162633 | 44.3 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 73.6 | 580 | 168101 | 34.6 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 53.7 | 585 | 173145 | 26.5 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 41.9 | 590 | 174675 | 19.5 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 34.3 | 595 | 173724 | 13.9 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 27.9 | 600 | 171241 | 9.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 27.1 | 605 | 165134 | 6.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 31.3 | 610 | 156652 | 4.2 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 40.0 | 615 | 147879 | 2.7 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-7

Melanopic Flux vs. Wavelength



Melanopic Lumens: 4490.7 M/P: 0.5

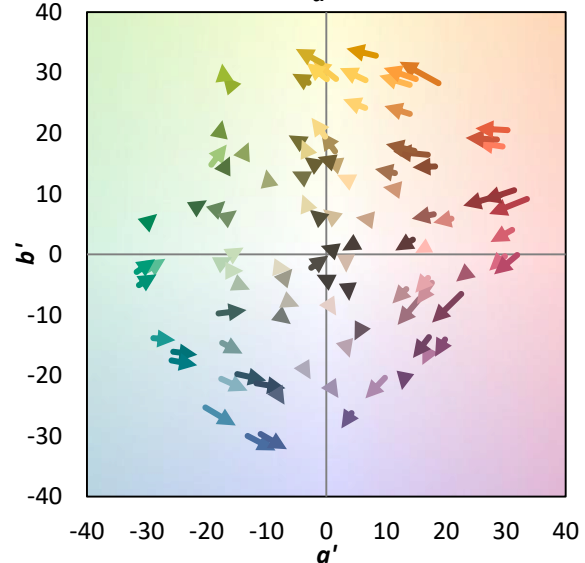
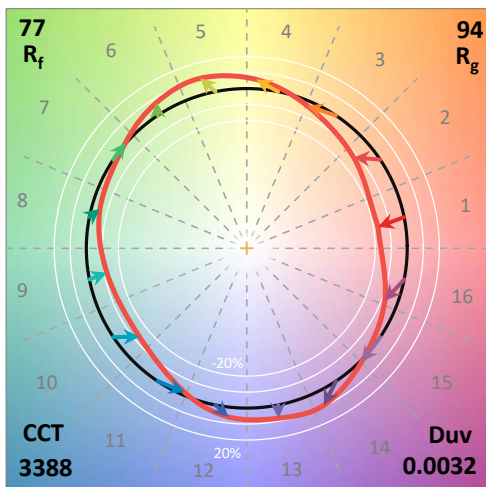
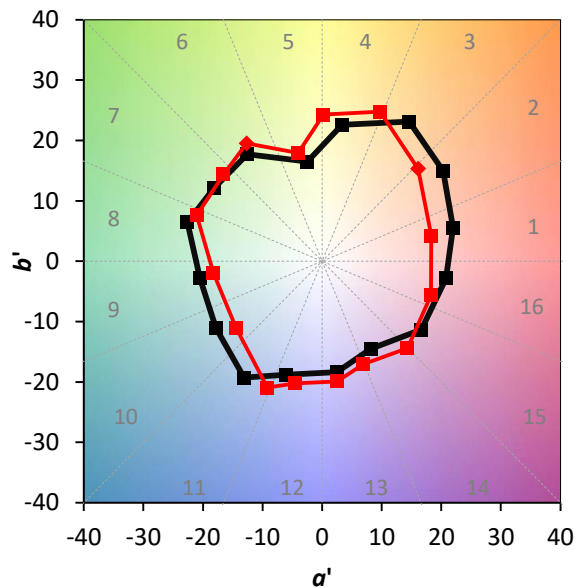
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2672 | 0.0 | 490 | 34553 | 28.8 | 620 | 136720 | 0.1 | 750 | 5870 | 0.0 | 880 | 4216 | 0.0 |
| 365 | 2252 | 0.0 | 495 | 44336 | 36.6 | 625 | 126308 | 0.1 | 755 | 5421 | 0.0 | 885 | 4132 | 0.0 |
| 370 | 2217 | 0.0 | 500 | 54643 | 43.9 | 630 | 114625 | 0.0 | 760 | 5097 | 0.0 | 890 | 3992 | 0.0 |
| 375 | 2697 | 0.0 | 505 | 64676 | 49.6 | 635 | 103216 | 0.0 | 765 | 4626 | 0.0 | 895 | 3214 | 0.0 |
| 380 | 3039 | 0.0 | 510 | 73825 | 53.0 | 640 | 92605 | 0.0 | 770 | 3782 | 0.0 | 900 | 2580 | 0.0 |
| 385 | 2655 | 0.0 | 515 | 81872 | 53.5 | 645 | 83234 | 0.0 | 775 | 3506 | 0.0 | 905 | 1776 | 0.0 |
| 390 | 2357 | 0.0 | 520 | 88574 | 51.6 | 650 | 73263 | 0.0 | 780 | 3507 | 0.0 | 910 | 3995 | 0.0 |
| 395 | 2186 | 0.0 | 525 | 93289 | 47.3 | 655 | 64627 | 0.0 | 785 | 3267 | 0.0 | 915 | 4288 | 0.0 |
| 400 | 2015 | 0.0 | 530 | 98393 | 42.5 | 660 | 56614 | 0.0 | 790 | 2849 | 0.0 | 920 | 2446 | 0.0 |
| 405 | 2234 | 0.0 | 535 | 103269 | 37.2 | 665 | 49537 | 0.0 | 795 | 3037 | 0.0 | 925 | 3009 | 0.0 |
| 410 | 3412 | 0.1 | 540 | 107316 | 31.4 | 670 | 42866 | 0.0 | 800 | 2716 | 0.0 | 930 | 3026 | 0.0 |
| 415 | 6135 | 0.4 | 545 | 113101 | 26.3 | 675 | 36708 | 0.0 | 805 | 2648 | 0.0 | 935 | 4734 | 0.0 |
| 420 | 12146 | 1.4 | 550 | 120690 | 21.7 | 680 | 31814 | 0.0 | 810 | 3187 | 0.0 | 940 | 3719 | 0.0 |
| 425 | 23983 | 3.7 | 555 | 128583 | 17.3 | 685 | 27485 | 0.0 | 815 | 2931 | 0.0 | 945 | 1480 | 0.0 |
| 430 | 42142 | 8.9 | 560 | 137796 | 13.6 | 690 | 23698 | 0.0 | 820 | 2717 | 0.0 | 950 | 3450 | 0.0 |
| 435 | 68228 | 18.2 | 565 | 146577 | 10.3 | 695 | 20309 | 0.0 | 825 | 2236 | 0.0 | 955 | 5051 | 0.0 |
| 440 | 99323 | 33.2 | 570 | 154581 | 7.6 | 700 | 17890 | 0.0 | 830 | 2628 | 0.0 | 960 | 3176 | 0.0 |
| 445 | 115584 | 45.6 | 575 | 162633 | 5.4 | 705 | 15500 | 0.0 | 835 | 3140 | 0.0 | 965 | 5178 | 0.0 |
| 450 | 94997 | 43.8 | 580 | 168101 | 3.8 | 710 | 13699 | 0.0 | 840 | 3675 | 0.0 | 970 | 6385 | 0.0 |
| 455 | 61433 | 32.2 | 585 | 173145 | 2.6 | 715 | 12398 | 0.0 | 845 | 3283 | 0.0 | 975 | 3810 | 0.0 |
| 460 | 43373 | 25.6 | 590 | 174675 | 1.7 | 720 | 11147 | 0.0 | 850 | 3055 | 0.0 | 980 | 4322 | 0.0 |
| 465 | 32472 | 21.2 | 595 | 173724 | 1.1 | 725 | 9761 | 0.0 | 855 | 2932 | 0.0 | 985 | 4200 | 0.0 |
| 470 | 24257 | 17.4 | 600 | 171241 | 0.7 | 730 | 8651 | 0.0 | 860 | 3382 | 0.0 | 990 | 4661 | 0.0 |
| 475 | 21690 | 16.6 | 605 | 165134 | 0.5 | 735 | 7730 | 0.0 | 865 | 2605 | 0.0 | 995 | 6746 | 0.0 |
| 480 | 23173 | 18.6 | 610 | 156652 | 0.3 | 740 | 6847 | 0.0 | 870 | 3325 | 0.0 | 1000 | 4150 | 0.0 |
| 485 | 27564 | 22.7 | 615 | 147879 | 0.2 | 745 | 6124 | 0.0 | 875 | 3325 | 0.0 | | | |

Summary

$R_f = 76.9$
 $R_g = 94.4$
 $CIE R_a = 73.1$
 $R_g = -34.6$



Color Vector Graphics

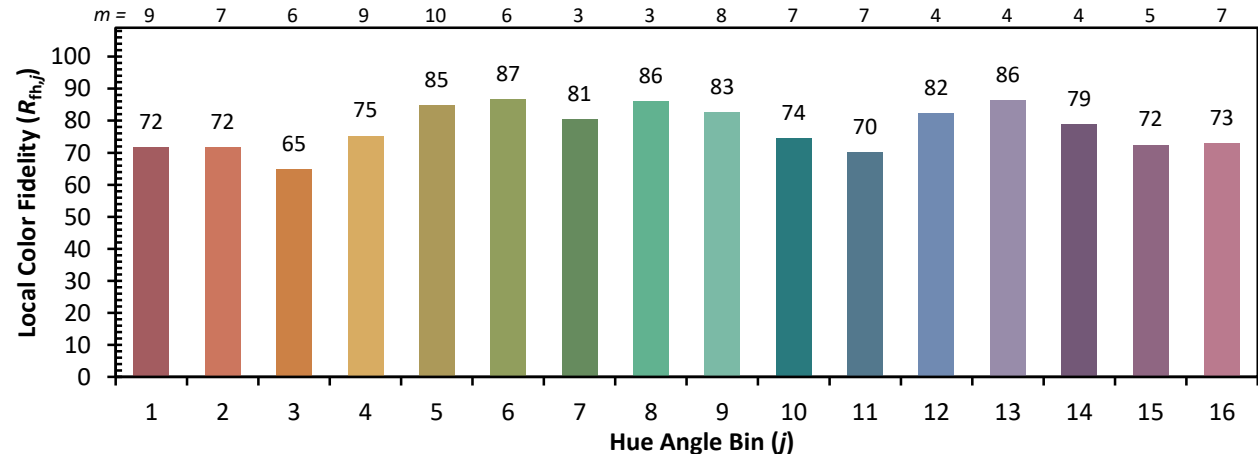
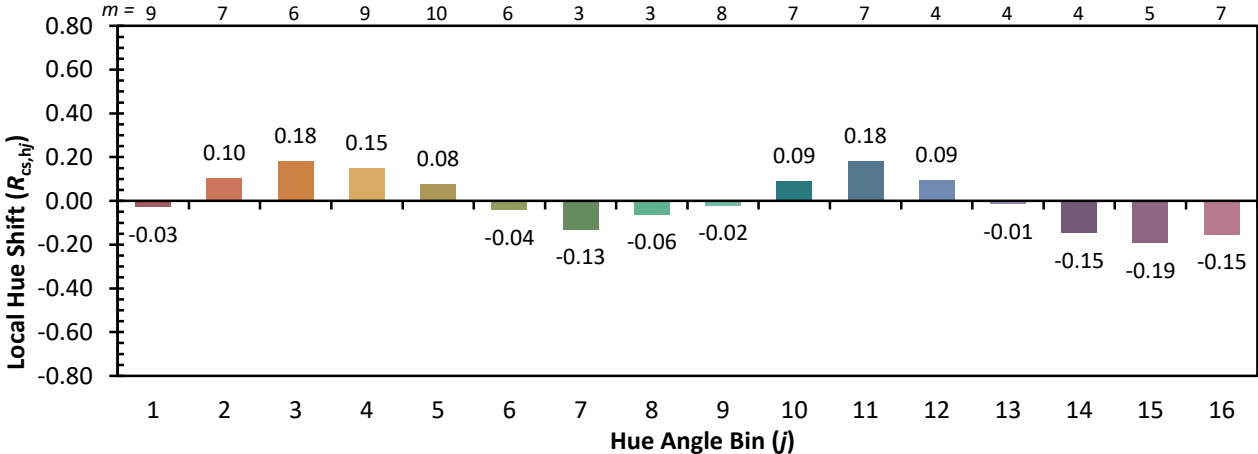
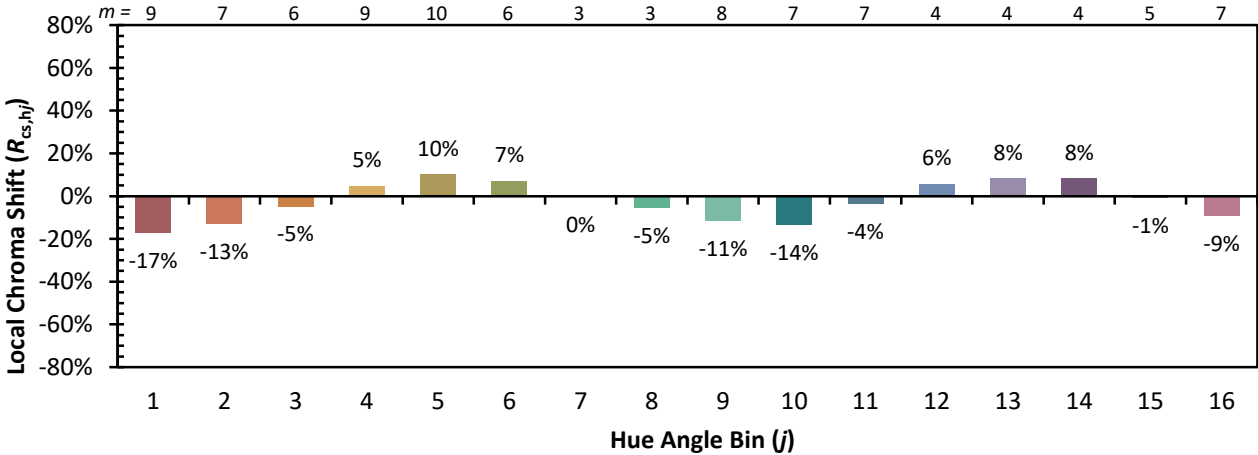


Individual Sample Fidelity Index ($R_{f,i}$)

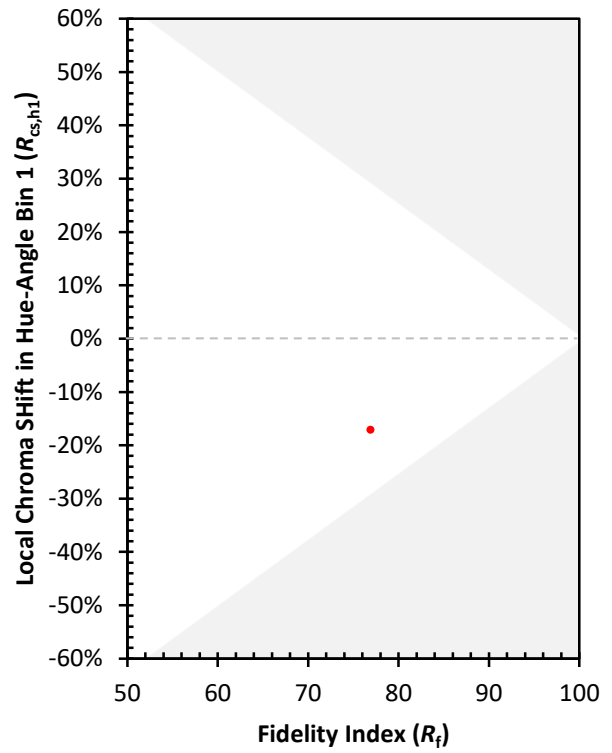
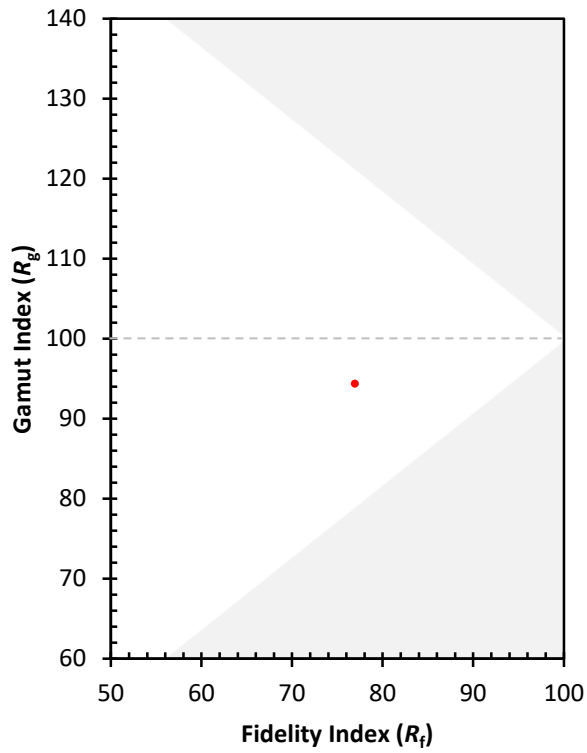
| | | | |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 68 | CES51 = 90 | CES76 = 63 |
| CES02 = 62 | CES27 = 88 | CES52 = 89 | CES77 = 80 |
| CES03 = 31 | CES28 = 87 | CES53 = 80 | CES78 = 65 |
| CES04 = 70 | CES29 = 67 | CES54 = 84 | CES79 = 87 |
| CES05 = 48 | CES30 = 74 | CES55 = 84 | CES80 = 86 |
| CES06 = 51 | CES31 = 71 | CES56 = 75 | CES81 = 75 |
| CES07 = 40 | CES32 = 67 | CES57 = 74 | CES82 = 94 |
| CES08 = 39 | CES33 = 74 | CES58 = 76 | CES83 = 91 |
| CES09 = 29 | CES34 = 78 | CES59 = 87 | CES84 = 89 |
| CES10 = 75 | CES35 = 89 | CES60 = 93 | CES85 = 80 |
| CES11 = 58 | CES36 = 98 | CES61 = 86 | CES86 = 66 |
| CES12 = 64 | CES37 = 86 | CES62 = 89 | CES87 = 79 |
| CES13 = 43 | CES38 = 82 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 95 | CES64 = 74 | CES89 = 70 |
| CES15 = 71 | CES40 = 91 | CES65 = 68 | CES90 = 77 |
| CES16 = 47 | CES41 = 89 | CES66 = 71 | CES91 = 88 |
| CES17 = 50 | CES42 = 88 | CES67 = 69 | CES92 = 60 |
| CES18 = 56 | CES43 = 82 | CES68 = 74 | CES93 = 77 |
| CES19 = 72 | CES44 = 99 | CES69 = 82 | CES94 = 52 |
| CES20 = 65 | CES45 = 87 | CES70 = 67 | CES95 = 69 |
| CES21 = 86 | CES46 = 82 | CES71 = 66 | CES96 = 78 |
| CES22 = 79 | CES47 = 82 | CES72 = 88 | CES97 = 85 |
| CES23 = 92 | CES48 = 72 | CES73 = 59 | CES98 = 76 |
| CES24 = 91 | CES49 = 82 | CES74 = 97 | CES99 = 63 |
| CES25 = 72 | CES50 = 88 | CES75 = 66 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)