

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: P320313

Luminaire Tested: **GLEON-SA9A-740-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320313
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-SA9A-740-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36613 lumens
Efficiency: N/A
Efficacy: 126.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

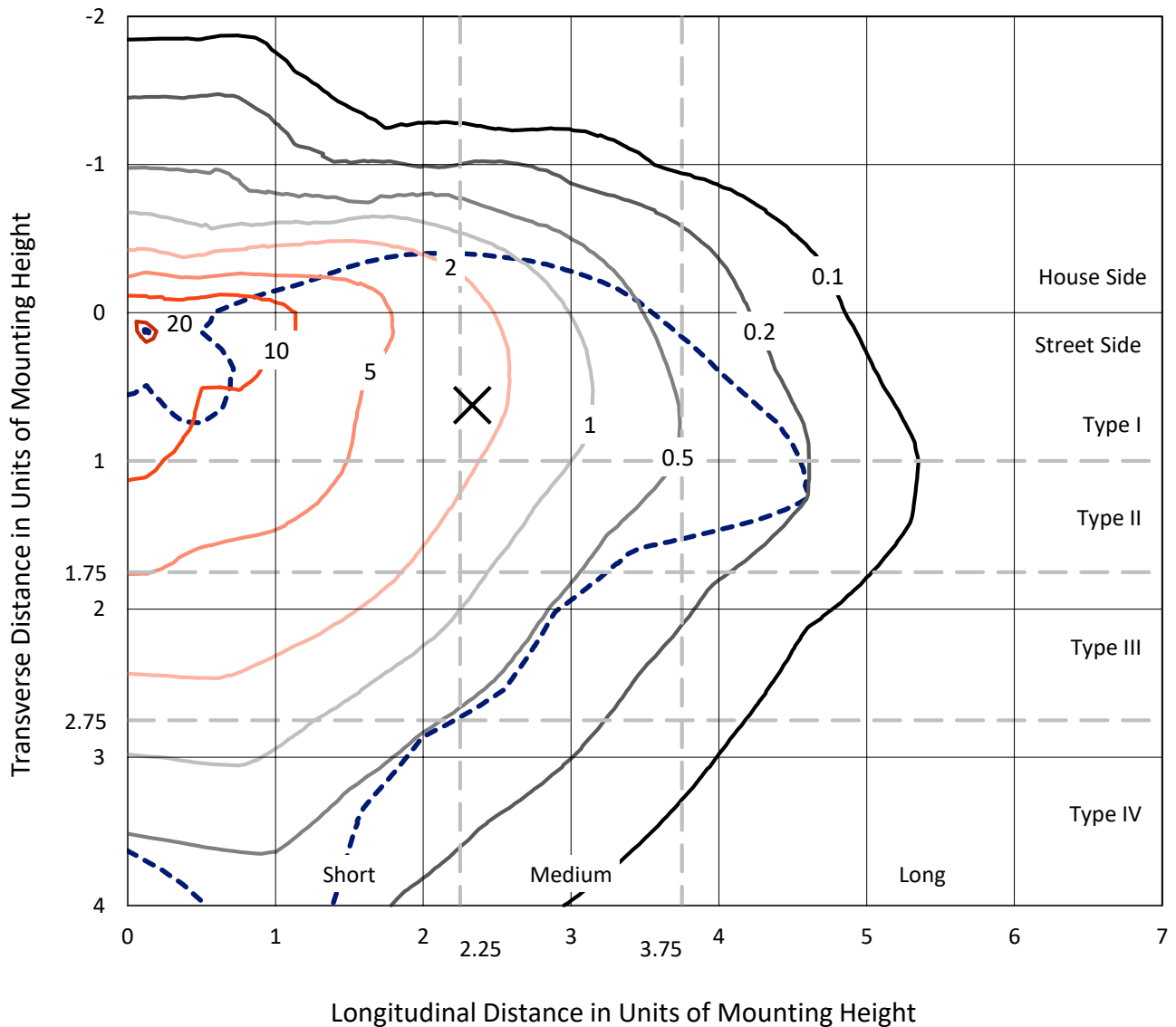
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

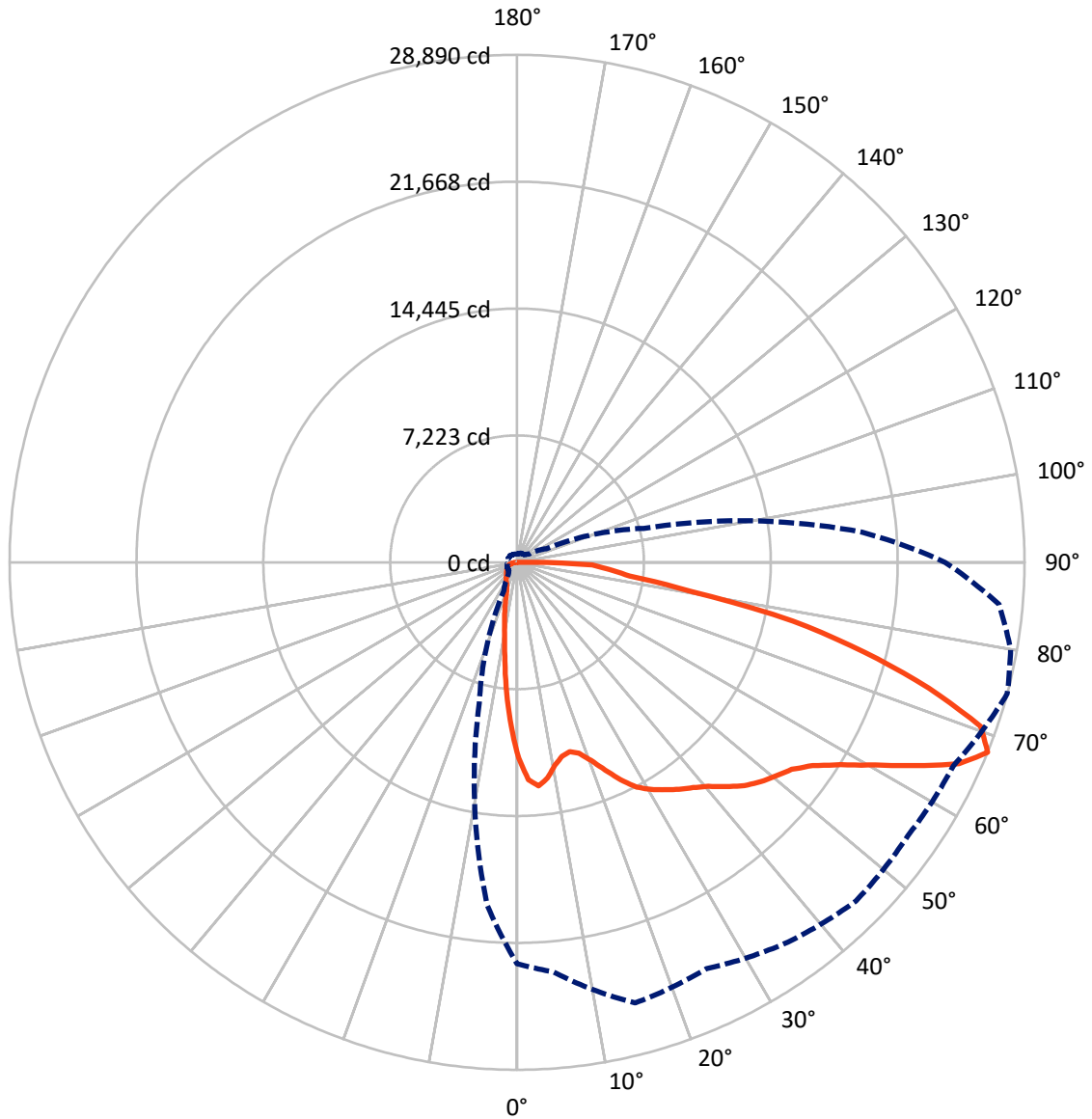
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.4 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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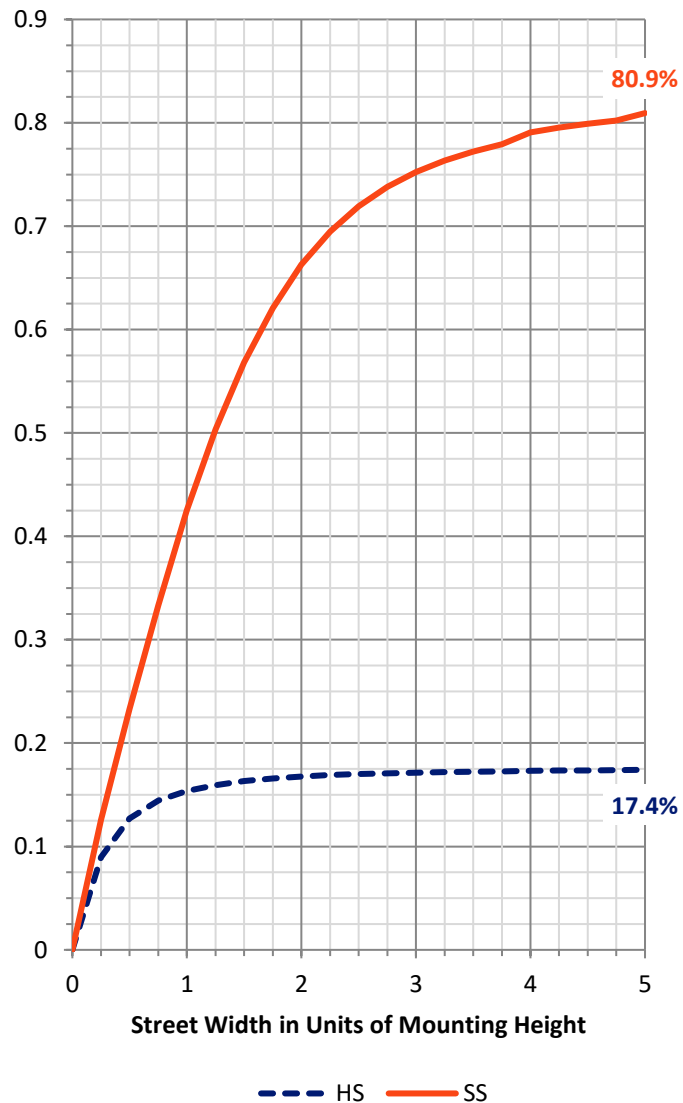
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 6448.4 | 0.0 | 6448.4 |
| | % Fixture | 17.6 | 0.0 | 17.6 |
| Street Side | Lumens | 30164.6 | 0.0 | 30164.6 |
| | % Fixture | 82.4 | 0.0 | 82.4 |
| Total | Lumens | 36613.0 | 0.0 | 36613.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 860.9 | 2.4 |
| 10°-20° | 1788.4 | 4.9 |
| 20°-30° | 2543.4 | 6.9 |
| 30°-40° | 3665.1 | 10.0 |
| 40°-50° | 5165.1 | 14.1 |
| 50°-60° | 7180.4 | 19.6 |
| 60°-70° | 8683.3 | 23.7 |
| 70°-80° | 5337.5 | 14.6 |
| 80°-90° | 1388.9 | 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° | 36613.0 | 100.0 |
| 0°-180° | 36613.0 | 100.0 |

Coefficient of Utilization

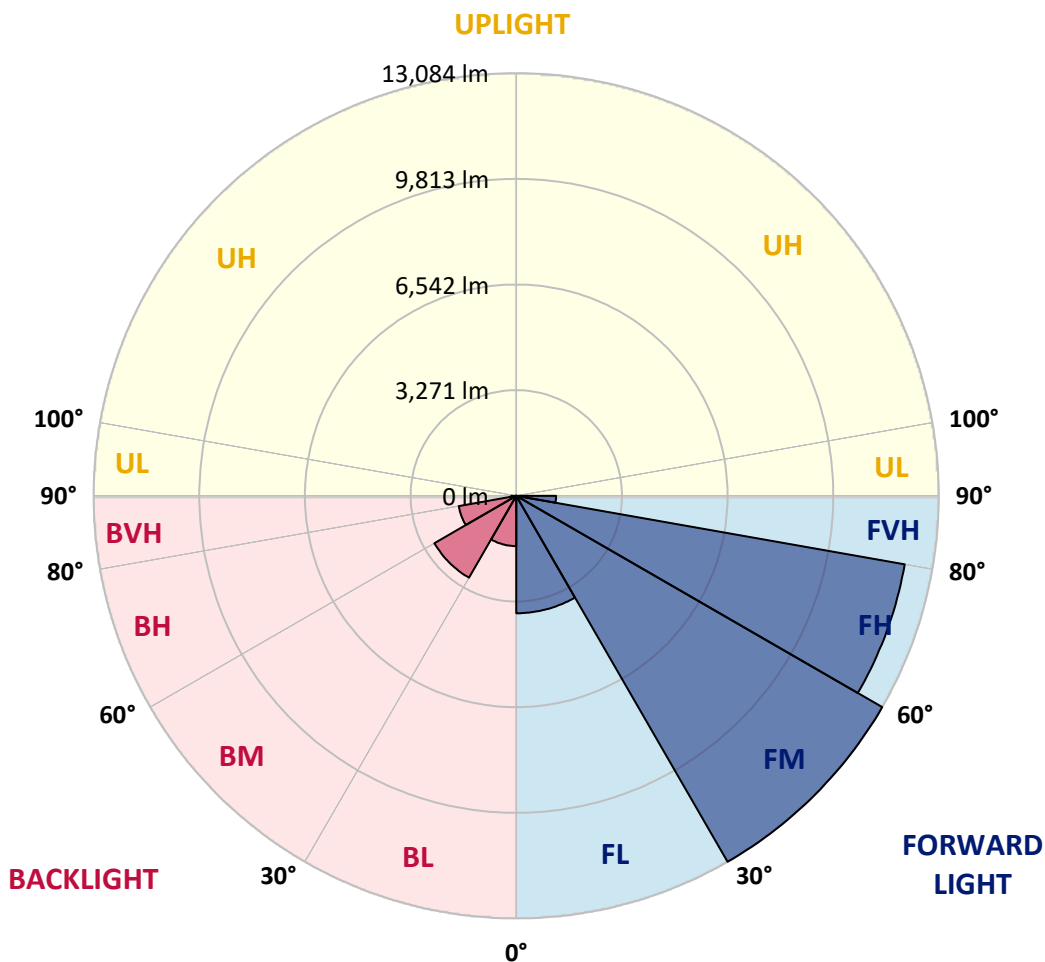


REPORT NUMBER: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 3635.3 | 9.9 | | | |
| FM (30°-60°) | 13083.5 | 35.7 | | | |
| FH (60°-80°) | 12212.9 | 33.4 | | | G5 |
| FVH (80°-90°) | 1232.8 | 3.4 | | | G5 |
| BL (0°-30°) | 1557.4 | 4.3 | B3/2500 | | |
| BM (30°-60°) | 2927.1 | 8.0 | B3/5000 | | |
| BH (60°-80°) | 1807.9 | 4.9 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 156.1 | 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: P320313

CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 11889.2 | 12045.8 | 12154.1 | 12261.0 | 12344.4 | 12426.4 | 12546.4 | 12666.4 | 12689.9 | 12711.8 | 12665.0 |
| 5° | 11818.9 | 12201.0 | 12525.9 | 12849.4 | 13149.5 | 13449.6 | 13629.6 | 13809.7 | 13846.3 | 13882.9 | 13770.2 |
| 7.5° | 11062.1 | 11625.7 | 12189.2 | 12752.8 | 13269.5 | 13786.3 | 14101.0 | 14414.3 | 14486.0 | 14556.2 | 14371.8 |
| 10° | 10201.4 | 10857.2 | 11549.6 | 12241.9 | 12922.6 | 13603.3 | 14058.5 | 14513.8 | 14604.5 | 14695.3 | 14465.5 |
| 12.5° | 9547.0 | 10262.9 | 11002.1 | 11741.3 | 12460.1 | 13177.3 | 13648.7 | 14120.0 | 14232.7 | 14345.5 | 14178.6 |
| 15° | 9295.3 | 10079.9 | 10775.2 | 11470.5 | 12097.0 | 12722.1 | 13108.5 | 13493.5 | 13540.4 | 13585.7 | 13559.4 |
| 17.5° | 9547.0 | 10412.2 | 11041.6 | 11669.6 | 12010.7 | 12350.3 | 12505.4 | 12659.1 | 12710.4 | 12760.1 | 12827.5 |
| 20° | 10283.3 | 11217.3 | 11660.8 | 12102.9 | 12088.2 | 12072.1 | 11997.5 | 11921.4 | 11908.2 | 11895.0 | 12085.3 |
| 22.5° | 11334.4 | 12419.1 | 12596.2 | 12771.8 | 12360.5 | 11949.2 | 11698.9 | 11447.1 | 11397.3 | 11346.1 | 11548.1 |
| 25° | 12568.4 | 13723.3 | 13691.1 | 13657.5 | 12874.3 | 12089.7 | 11612.5 | 11135.3 | 11079.7 | 11024.0 | 11196.8 |
| 27.5° | 13910.7 | 15014.4 | 14803.6 | 14592.8 | 13528.6 | 12464.4 | 11772.1 | 11079.7 | 11024.0 | 10968.4 | 11120.7 |
| 30° | 14960.3 | 15961.5 | 15623.4 | 15285.2 | 14080.5 | 12875.8 | 12053.1 | 11230.4 | 11139.7 | 11047.5 | 11234.8 |
| 32.5° | 15848.8 | 16700.7 | 16247.0 | 15793.2 | 14528.4 | 13263.7 | 12373.7 | 11483.7 | 11341.7 | 11199.7 | 11450.0 |
| 35° | 16773.9 | 17438.5 | 16800.3 | 16160.6 | 14928.1 | 13694.1 | 12752.8 | 11810.1 | 11635.9 | 11461.7 | 11805.7 |
| 37.5° | 17814.7 | 18366.6 | 17450.2 | 16532.4 | 15377.4 | 14222.5 | 13320.8 | 12417.6 | 12239.0 | 12060.4 | 12499.6 |
| 40° | 18914.0 | 19373.7 | 18151.4 | 16929.1 | 15869.3 | 14809.5 | 14106.9 | 13402.8 | 13232.9 | 13061.7 | 13594.5 |
| 42.5° | 19875.8 | 20211.0 | 18804.3 | 17397.5 | 16462.1 | 15525.3 | 15030.5 | 14534.3 | 14532.8 | 14529.9 | 15070.0 |
| 45° | 20600.4 | 20891.7 | 19348.8 | 17804.5 | 17040.3 | 16274.8 | 16017.1 | 15759.5 | 15965.9 | 16172.3 | 16661.2 |
| 47.5° | 21202.0 | 21399.6 | 19805.5 | 18209.9 | 17702.0 | 17194.1 | 17232.1 | 17270.2 | 17690.3 | 18110.4 | 18425.1 |
| 50° | 21890.0 | 21730.4 | 20219.8 | 18707.6 | 18551.0 | 18394.4 | 18736.9 | 19078.0 | 19561.1 | 20042.6 | 20256.4 |
| 52.5° | 22635.1 | 22212.0 | 20781.9 | 19350.3 | 19525.9 | 19701.6 | 20398.4 | 21095.1 | 21582.6 | 22070.0 | 22150.6 |
| 55° | 23974.5 | 23326.0 | 21815.3 | 20303.2 | 20641.4 | 20978.0 | 22001.2 | 23023.0 | 23403.6 | 23784.2 | 23813.5 |
| 57.5° | 25483.7 | 24908.4 | 23263.1 | 21617.7 | 21980.7 | 22343.8 | 23525.1 | 24704.9 | 25116.3 | 25526.1 | 25469.0 |
| 60° | 26064.8 | 26092.6 | 24637.6 | 23181.1 | 23547.0 | 23913.0 | 25063.6 | 26214.1 | 26686.9 | 27158.3 | 27032.4 |
| 62.5° | 25479.3 | 26165.8 | 25388.5 | 24609.8 | 24942.1 | 25272.9 | 26400.0 | 27527.2 | 28011.7 | 28496.2 | 28276.6 |
| 65° | 24321.4 | 25002.1 | 25350.5 | 25698.9 | 25808.6 | 25918.4 | 26970.9 | 28021.9 | 28393.8 | 28764.1 | 28652.8 |
| 67.5° | 22848.8 | 23399.2 | 24684.4 | 25968.2 | 25747.2 | 25526.1 | 26019.4 | 26512.7 | 26894.8 | 27276.9 | 27213.9 |
| 70° | 21143.4 | 21799.2 | 23513.4 | 25227.5 | 24141.3 | 23053.7 | 22850.3 | 22646.8 | 23059.6 | 23470.9 | 23216.2 |
| 72.5° | 18085.5 | 19075.1 | 20903.4 | 22730.2 | 20729.2 | 18728.1 | 18032.8 | 17337.5 | 17860.1 | 18382.7 | 17977.2 |
| 75° | 13660.4 | 14973.4 | 16993.5 | 19012.1 | 16624.6 | 14237.1 | 13309.1 | 12381.0 | 12830.4 | 13279.8 | 13001.7 |
| 77.5° | 9500.2 | 11147.0 | 13136.3 | 15125.7 | 12698.7 | 10270.2 | 9580.7 | 8889.8 | 9024.5 | 9157.7 | 9110.8 |
| 80° | 6477.4 | 7560.6 | 8948.3 | 10334.6 | 8718.5 | 7102.5 | 7156.6 | 7209.3 | 7146.4 | 7082.0 | 7175.7 |
| 82.5° | 4062.1 | 4824.8 | 5896.3 | 6966.3 | 6108.5 | 5250.7 | 5742.6 | 6234.4 | 5992.9 | 5749.9 | 5840.6 |
| 85° | 2288.0 | 2753.4 | 3801.5 | 4848.2 | 4518.8 | 4188.0 | 4476.4 | 4763.3 | 4388.5 | 4013.8 | 4179.2 |
| 87.5° | 436.2 | 726.1 | 2103.5 | 3479.5 | 3158.9 | 2838.4 | 2466.5 | 2094.7 | 1598.5 | 1102.3 | 1610.2 |
| 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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313

CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 12618.1 | 12593.3 | 12568.4 | 12479.1 | 12388.3 | 12253.7 | 12142.4 | 11949.2 | 11843.8 | 11684.2 | 11524.7 |
| 5° | 13656.0 | 13497.9 | 13339.8 | 13067.5 | 12793.8 | 12489.3 | 12139.5 | 11751.6 | 11458.8 | 11078.2 | 10697.6 |
| 7.5° | 14187.4 | 13818.5 | 13448.1 | 12925.5 | 12401.5 | 11930.1 | 11376.8 | 10861.6 | 10422.4 | 9927.6 | 9432.9 |
| 10° | 14235.7 | 13682.3 | 13127.6 | 12448.3 | 11767.7 | 11195.3 | 10558.5 | 9986.2 | 9459.2 | 8891.3 | 8321.8 |
| 12.5° | 14010.2 | 13421.8 | 12831.9 | 12083.8 | 11334.4 | 10684.4 | 9999.4 | 9358.2 | 8774.1 | 8149.1 | 7522.6 |
| 15° | 13533.0 | 13063.1 | 12591.8 | 11890.6 | 11189.5 | 10533.7 | 9869.1 | 9109.4 | 8449.2 | 7809.5 | 7168.3 |
| 17.5° | 12893.3 | 12670.8 | 12446.9 | 11940.4 | 11432.4 | 10864.5 | 10220.4 | 9328.9 | 8556.0 | 7860.7 | 7165.4 |
| 20° | 12274.1 | 12356.1 | 12436.6 | 12234.6 | 12032.6 | 11577.4 | 11015.3 | 10014.0 | 9027.4 | 8118.4 | 7207.9 |
| 22.5° | 11748.6 | 12142.4 | 12534.7 | 12691.3 | 12846.5 | 12572.8 | 12133.6 | 10975.7 | 9670.0 | 8482.8 | 7295.7 |
| 25° | 11368.0 | 12020.9 | 12673.8 | 13194.9 | 13714.5 | 13593.0 | 13254.9 | 12143.9 | 10522.0 | 9008.4 | 7493.3 |
| 27.5° | 11272.9 | 12073.6 | 12874.3 | 13682.3 | 14488.9 | 14601.6 | 14507.9 | 13374.9 | 11537.8 | 9661.2 | 7783.1 |
| 30° | 11422.2 | 12233.2 | 13042.7 | 14026.3 | 15008.6 | 15458.0 | 15583.8 | 14401.1 | 12698.7 | 10422.4 | 8144.7 |
| 32.5° | 11700.3 | 12495.2 | 13290.0 | 14361.6 | 15431.6 | 16110.8 | 16511.9 | 15339.4 | 13508.1 | 10996.2 | 8482.8 |
| 35° | 12149.7 | 12893.3 | 13637.0 | 14752.4 | 15867.8 | 16746.1 | 17478.0 | 16308.4 | 14226.9 | 11397.3 | 8566.3 |
| 37.5° | 12937.3 | 13576.9 | 14216.6 | 15247.2 | 16276.2 | 17415.1 | 18514.4 | 17375.6 | 15004.2 | 11783.8 | 8561.9 |
| 40° | 14127.3 | 14579.7 | 15030.5 | 15901.5 | 16771.0 | 18204.1 | 19688.4 | 18565.7 | 15863.4 | 12202.4 | 8541.4 |
| 42.5° | 15610.2 | 15842.9 | 16074.2 | 16763.7 | 17453.1 | 19028.2 | 20754.1 | 19729.4 | 16683.2 | 12591.8 | 8500.4 |
| 45° | 17148.7 | 17210.2 | 17271.6 | 17706.4 | 18139.7 | 19681.1 | 21480.1 | 20603.3 | 17399.0 | 12929.9 | 8459.4 |
| 47.5° | 18738.4 | 18527.6 | 18316.8 | 18489.5 | 18662.3 | 20181.7 | 21998.3 | 21266.4 | 18117.7 | 13304.7 | 8490.2 |
| 50° | 20470.1 | 19883.1 | 19296.1 | 19205.3 | 19114.6 | 20682.3 | 22608.7 | 22109.6 | 18981.4 | 13850.7 | 8720.0 |
| 52.5° | 22229.6 | 21262.0 | 20294.4 | 19935.8 | 19575.7 | 21279.6 | 23418.2 | 23159.1 | 20213.9 | 14696.8 | 9178.2 |
| 55° | 23842.7 | 22611.7 | 21380.6 | 20897.5 | 20414.5 | 22193.0 | 24406.3 | 24700.5 | 21793.4 | 15778.5 | 9762.2 |
| 57.5° | 25410.5 | 24015.5 | 22620.4 | 22172.5 | 21724.6 | 23535.3 | 25657.9 | 26083.8 | 23388.9 | 16816.4 | 10242.4 |
| 60° | 26906.5 | 25526.1 | 24144.3 | 23785.6 | 23425.5 | 25204.1 | 27010.4 | 26700.1 | 24211.6 | 17302.4 | 10391.7 |
| 62.5° | 28057.1 | 26959.2 | 25861.3 | 25672.5 | 25482.2 | 26891.9 | 28049.8 | 26460.0 | 23689.0 | 16823.7 | 9958.4 |
| 65° | 28541.6 | 27916.5 | 27290.0 | 27467.2 | 27642.8 | 28168.3 | 28308.8 | 25757.4 | 22046.6 | 15482.8 | 8919.1 |
| 67.5° | 27149.5 | 27276.9 | 27404.2 | 28147.8 | 28890.0 | 28528.4 | 27538.9 | 24372.6 | 19708.9 | 13582.8 | 7456.7 |
| 70° | 22960.0 | 23724.2 | 24486.8 | 26246.3 | 28004.4 | 27202.2 | 25476.4 | 21887.1 | 16895.4 | 11394.4 | 5891.9 |
| 72.5° | 17570.3 | 18429.5 | 19287.3 | 21898.8 | 24508.8 | 23769.5 | 21655.8 | 17977.2 | 13546.2 | 9099.1 | 4650.6 |
| 75° | 12722.1 | 13692.6 | 14661.6 | 17542.4 | 20423.2 | 19397.1 | 16198.7 | 12871.4 | 10289.2 | 6945.8 | 3601.0 |
| 77.5° | 9062.5 | 9712.5 | 10362.4 | 13208.1 | 16052.3 | 14380.6 | 10782.5 | 8661.4 | 7121.5 | 4827.7 | 2532.4 |
| 80° | 7269.3 | 7070.3 | 6871.2 | 8456.5 | 10041.8 | 9763.7 | 7131.7 | 5562.5 | 4928.7 | 3235.0 | 1541.4 |
| 82.5° | 5929.9 | 5444.0 | 4958.0 | 5704.5 | 6451.1 | 6410.1 | 4949.2 | 4081.1 | 3668.3 | 2248.4 | 828.5 |
| 85° | 4343.2 | 4148.5 | 3953.8 | 4614.0 | 5274.1 | 4710.6 | 3352.2 | 2593.9 | 2860.3 | 1655.6 | 450.9 |
| 87.5° | 2118.2 | 2419.7 | 2719.8 | 3498.5 | 4275.8 | 3210.2 | 1017.4 | 503.6 | 696.8 | 458.2 | 218.1 |
| 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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 11406.1 | 11286.1 | 11149.9 | 11013.8 | 10858.6 | 10702.0 | 10609.8 | 10516.1 | 10415.1 | 10314.1 | 10199.9 |
| 5° | 10445.8 | 10194.1 | 9908.6 | 9623.2 | 9340.6 | 9058.1 | 8905.9 | 8753.7 | 8592.6 | 8430.1 | 8289.6 |
| 7.5° | 9066.9 | 8699.5 | 8304.3 | 7907.6 | 7556.2 | 7203.5 | 6985.4 | 6765.8 | 6566.7 | 6366.2 | 6197.8 |
| 10° | 7853.4 | 7385.0 | 6988.3 | 6590.1 | 6325.2 | 6060.2 | 5859.7 | 5659.1 | 5465.9 | 5271.2 | 5085.3 |
| 12.5° | 7054.2 | 6585.7 | 6334.0 | 6082.2 | 5862.6 | 5643.0 | 5411.7 | 5179.0 | 4914.0 | 4647.6 | 4452.9 |
| 15° | 6742.4 | 6316.4 | 6036.8 | 5755.7 | 5461.5 | 5165.8 | 4881.8 | 4597.9 | 4284.6 | 3971.3 | 3750.3 |
| 17.5° | 6607.7 | 6050.0 | 5659.1 | 5266.8 | 4878.9 | 4491.0 | 4161.6 | 3832.3 | 3489.8 | 3147.2 | 2923.3 |
| 20° | 6465.7 | 5723.5 | 5199.5 | 4674.0 | 4176.3 | 3678.6 | 3305.3 | 2932.0 | 2626.1 | 2320.2 | 2148.9 |
| 22.5° | 6336.9 | 5376.6 | 4719.4 | 4060.6 | 3472.2 | 2883.7 | 2517.8 | 2150.4 | 1963.0 | 1775.6 | 1706.8 |
| 25° | 6284.2 | 5073.6 | 4265.6 | 3457.5 | 2836.9 | 2214.8 | 1954.2 | 1693.6 | 1621.9 | 1548.7 | 1513.6 |
| 27.5° | 6293.0 | 4802.8 | 3883.5 | 2962.8 | 2403.6 | 1844.4 | 1665.8 | 1487.2 | 1443.3 | 1397.9 | 1376.0 |
| 30° | 6326.6 | 4508.6 | 3523.4 | 2538.3 | 2077.2 | 1616.1 | 1500.4 | 1383.3 | 1336.5 | 1289.6 | 1261.8 |
| 32.5° | 6364.7 | 4245.1 | 3245.3 | 2244.0 | 1867.8 | 1490.2 | 1395.0 | 1298.4 | 1253.0 | 1207.7 | 1179.8 |
| 35° | 6298.8 | 4029.9 | 3055.0 | 2080.1 | 1733.2 | 1384.8 | 1304.3 | 1222.3 | 1172.5 | 1122.8 | 1096.4 |
| 37.5° | 6187.6 | 3813.3 | 2907.2 | 1999.6 | 1645.3 | 1289.6 | 1231.1 | 1171.1 | 1119.8 | 1067.1 | 1042.2 |
| 40° | 6086.6 | 3630.3 | 2797.4 | 1963.0 | 1597.0 | 1229.6 | 1179.8 | 1130.1 | 1077.4 | 1023.2 | 993.9 |
| 42.5° | 6004.6 | 3507.3 | 2689.0 | 1870.8 | 1553.1 | 1234.0 | 1163.7 | 1092.0 | 1040.8 | 989.5 | 957.3 |
| 45° | 5943.1 | 3426.8 | 2604.1 | 1781.5 | 1512.1 | 1242.8 | 1153.5 | 1064.2 | 1013.0 | 960.3 | 922.2 |
| 47.5° | 5937.3 | 3384.4 | 2544.1 | 1703.9 | 1434.5 | 1163.7 | 1127.1 | 1090.5 | 1015.9 | 939.8 | 895.9 |
| 50° | 6017.8 | 3315.6 | 2473.9 | 1630.7 | 1359.9 | 1089.1 | 1138.9 | 1187.2 | 1059.8 | 931.0 | 875.4 |
| 52.5° | 6186.1 | 3194.1 | 2362.6 | 1531.2 | 1269.1 | 1005.6 | 1083.2 | 1159.3 | 1049.6 | 938.3 | 866.6 |
| 55° | 6389.6 | 3015.5 | 2194.3 | 1371.6 | 1149.1 | 925.1 | 993.9 | 1061.3 | 992.5 | 922.2 | 835.8 |
| 57.5° | 6516.9 | 2790.0 | 1982.0 | 1174.0 | 1014.4 | 854.9 | 894.4 | 932.5 | 904.6 | 876.8 | 789.0 |
| 60° | 6440.8 | 2490.0 | 1743.4 | 995.4 | 895.9 | 796.3 | 789.0 | 780.2 | 821.2 | 862.2 | 761.2 |
| 62.5° | 6069.0 | 2179.6 | 1532.6 | 885.6 | 811.0 | 734.8 | 718.7 | 701.2 | 768.5 | 834.4 | 727.5 |
| 65° | 5441.0 | 1963.0 | 1399.4 | 835.8 | 752.4 | 669.0 | 651.4 | 633.8 | 654.3 | 674.8 | 625.1 |
| 67.5° | 4643.2 | 1829.8 | 1323.3 | 816.8 | 715.8 | 613.3 | 592.8 | 572.4 | 568.0 | 563.6 | 546.0 |
| 70° | 3820.6 | 1747.8 | 1273.5 | 799.2 | 676.3 | 551.9 | 532.8 | 513.8 | 507.9 | 500.6 | 487.5 |
| 72.5° | 3194.1 | 1737.6 | 1267.7 | 797.8 | 644.1 | 490.4 | 472.8 | 455.2 | 447.9 | 439.1 | 428.9 |
| 75° | 2615.8 | 1630.7 | 1203.3 | 775.8 | 600.2 | 423.0 | 406.9 | 390.8 | 385.0 | 377.7 | 368.9 |
| 77.5° | 1941.0 | 1349.6 | 1011.5 | 673.4 | 513.8 | 354.2 | 338.1 | 320.6 | 319.1 | 316.2 | 308.9 |
| 80° | 1258.9 | 976.4 | 723.1 | 469.9 | 374.7 | 278.1 | 265.0 | 250.3 | 251.8 | 253.2 | 247.4 |
| 82.5° | 699.7 | 569.4 | 442.1 | 314.7 | 256.2 | 197.6 | 191.8 | 184.4 | 188.8 | 191.8 | 184.4 |
| 85° | 368.9 | 286.9 | 237.1 | 187.4 | 147.8 | 108.3 | 108.3 | 106.9 | 112.7 | 118.6 | 112.7 |
| 87.5° | 159.6 | 101.0 | 86.4 | 70.3 | 39.5 | 7.3 | 8.8 | 8.8 | 11.7 | 14.6 | 13.2 |
| 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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 10084.3 | 9977.4 | 9869.1 | 9750.5 | 9772.5 | 9681.7 | 9591.0 | 9533.9 | 9476.8 | 9459.2 | 9441.7 |
| 5° | 8149.1 | 8027.6 | 7904.6 | 7794.9 | 7890.0 | 7825.6 | 7761.2 | 7752.4 | 7742.2 | 7742.2 | 7740.7 |
| 7.5° | 6029.5 | 5899.2 | 5767.5 | 5676.7 | 5770.4 | 5758.7 | 5747.0 | 5809.9 | 5872.9 | 5924.1 | 5973.9 |
| 10° | 4899.4 | 4741.3 | 4581.8 | 4447.1 | 4423.7 | 4356.3 | 4287.5 | 4302.2 | 4315.3 | 4371.0 | 4426.6 |
| 12.5° | 4258.3 | 4069.4 | 3880.6 | 3722.5 | 3650.8 | 3539.5 | 3426.8 | 3356.5 | 3286.3 | 3293.6 | 3299.5 |
| 15° | 3527.8 | 3344.8 | 3160.4 | 3024.3 | 2978.9 | 2892.5 | 2806.1 | 2718.3 | 2629.0 | 2592.4 | 2554.4 |
| 17.5° | 2697.8 | 2551.4 | 2403.6 | 2312.8 | 2312.8 | 2288.0 | 2263.1 | 2219.2 | 2173.8 | 2137.2 | 2099.1 |
| 20° | 1977.6 | 1900.0 | 1821.0 | 1782.9 | 1794.6 | 1796.1 | 1796.1 | 1818.1 | 1840.0 | 1828.3 | 1816.6 |
| 22.5° | 1636.6 | 1608.7 | 1580.9 | 1564.8 | 1570.7 | 1572.1 | 1573.6 | 1594.1 | 1613.1 | 1627.8 | 1640.9 |
| 25° | 1477.0 | 1459.4 | 1441.9 | 1436.0 | 1449.2 | 1450.6 | 1450.6 | 1463.8 | 1477.0 | 1491.6 | 1506.3 |
| 27.5° | 1352.6 | 1345.3 | 1337.9 | 1327.7 | 1340.9 | 1340.9 | 1339.4 | 1354.0 | 1367.2 | 1380.4 | 1392.1 |
| 30° | 1234.0 | 1236.9 | 1238.4 | 1235.5 | 1244.2 | 1250.1 | 1254.5 | 1264.7 | 1273.5 | 1283.8 | 1294.0 |
| 32.5° | 1150.6 | 1146.2 | 1141.8 | 1138.9 | 1157.9 | 1168.1 | 1178.4 | 1188.6 | 1197.4 | 1201.8 | 1206.2 |
| 35° | 1070.1 | 1059.8 | 1049.6 | 1042.2 | 1059.8 | 1073.0 | 1086.2 | 1105.2 | 1122.8 | 1125.7 | 1128.6 |
| 37.5° | 1015.9 | 1002.7 | 989.5 | 980.8 | 988.1 | 993.9 | 999.8 | 1020.3 | 1040.8 | 1052.5 | 1062.7 |
| 40° | 964.7 | 951.5 | 938.3 | 931.0 | 935.4 | 936.8 | 938.3 | 948.6 | 957.3 | 979.3 | 999.8 |
| 42.5° | 923.7 | 907.6 | 891.5 | 882.7 | 885.6 | 888.5 | 890.0 | 888.5 | 887.1 | 907.6 | 928.1 |
| 45° | 882.7 | 865.1 | 847.6 | 837.3 | 838.8 | 838.8 | 838.8 | 835.8 | 831.5 | 841.7 | 851.9 |
| 47.5° | 850.5 | 830.0 | 809.5 | 799.2 | 796.3 | 793.4 | 790.5 | 789.0 | 786.1 | 793.4 | 799.2 |
| 50° | 818.3 | 796.3 | 772.9 | 761.2 | 753.9 | 750.9 | 748.0 | 746.5 | 743.6 | 750.9 | 756.8 |
| 52.5° | 793.4 | 767.0 | 740.7 | 721.7 | 714.3 | 710.0 | 705.6 | 707.0 | 707.0 | 710.0 | 711.4 |
| 55° | 749.5 | 726.1 | 701.2 | 688.0 | 674.8 | 671.9 | 669.0 | 673.4 | 676.3 | 676.3 | 676.3 |
| 57.5° | 701.2 | 679.2 | 655.8 | 647.0 | 635.3 | 635.3 | 633.8 | 639.7 | 644.1 | 647.0 | 649.9 |
| 60° | 658.7 | 633.8 | 608.9 | 601.6 | 597.2 | 595.8 | 594.3 | 601.6 | 607.5 | 613.3 | 619.2 |
| 62.5° | 619.2 | 592.8 | 566.5 | 557.7 | 556.3 | 557.7 | 557.7 | 565.0 | 570.9 | 576.7 | 582.6 |
| 65° | 575.3 | 548.9 | 521.1 | 512.3 | 515.3 | 519.7 | 524.0 | 529.9 | 534.3 | 540.2 | 546.0 |
| 67.5° | 527.0 | 505.0 | 481.6 | 472.8 | 474.3 | 480.1 | 486.0 | 490.4 | 493.3 | 499.2 | 505.0 |
| 70° | 474.3 | 455.2 | 436.2 | 430.4 | 428.9 | 436.2 | 442.1 | 445.0 | 447.9 | 455.2 | 461.1 |
| 72.5° | 417.2 | 401.1 | 385.0 | 380.6 | 382.1 | 386.4 | 390.8 | 395.2 | 398.2 | 405.5 | 411.3 |
| 75° | 358.6 | 344.0 | 329.4 | 326.4 | 329.4 | 333.8 | 338.1 | 341.1 | 344.0 | 352.8 | 360.1 |
| 77.5° | 301.5 | 285.4 | 267.9 | 266.4 | 270.8 | 275.2 | 278.1 | 282.5 | 286.9 | 298.6 | 310.3 |
| 80° | 241.5 | 224.0 | 204.9 | 203.5 | 207.9 | 212.3 | 216.6 | 221.0 | 225.4 | 240.1 | 253.2 |
| 82.5° | 177.1 | 156.6 | 136.1 | 133.2 | 147.8 | 152.2 | 156.6 | 163.9 | 169.8 | 183.0 | 196.2 |
| 85° | 106.9 | 86.4 | 65.9 | 64.4 | 77.6 | 84.9 | 92.2 | 101.0 | 108.3 | 120.0 | 131.7 |
| 87.5° | 11.7 | 5.9 | 0.0 | 0.0 | 1.5 | 7.3 | 13.2 | 20.5 | 27.8 | 39.5 | 49.8 |
| 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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 9377.2 | 9311.4 | 9378.7 | 9444.6 | 9472.4 | 9500.2 | 9428.5 | 9355.3 | 9469.5 | 9582.2 | 9611.5 |
| 5° | 7682.1 | 7622.1 | 7667.5 | 7711.4 | 7613.3 | 7515.3 | 7505.0 | 7493.3 | 7578.2 | 7663.1 | 7676.3 |
| 7.5° | 5954.8 | 5935.8 | 5978.2 | 6020.7 | 5896.3 | 5770.4 | 5708.9 | 5647.4 | 5667.9 | 5688.4 | 5685.5 |
| 10° | 4439.8 | 4451.5 | 4504.2 | 4555.4 | 4458.8 | 4362.2 | 4319.7 | 4277.3 | 4324.1 | 4369.5 | 4412.0 |
| 12.5° | 3325.8 | 3350.7 | 3406.3 | 3460.5 | 3421.0 | 3380.0 | 3384.4 | 3388.7 | 3442.9 | 3495.6 | 3542.4 |
| 15° | 2583.6 | 2612.9 | 2652.4 | 2690.5 | 2692.0 | 2692.0 | 2730.0 | 2766.6 | 2762.2 | 2757.8 | 2790.0 |
| 17.5° | 2138.6 | 2176.7 | 2181.1 | 2185.5 | 2186.9 | 2188.4 | 2185.5 | 2182.6 | 2160.6 | 2138.6 | 2163.5 |
| 20° | 1831.2 | 1844.4 | 1856.1 | 1866.4 | 1853.2 | 1838.6 | 1802.0 | 1765.4 | 1750.7 | 1736.1 | 1759.5 |
| 22.5° | 1665.8 | 1689.3 | 1677.5 | 1664.4 | 1638.0 | 1610.2 | 1582.4 | 1553.1 | 1551.7 | 1548.7 | 1561.9 |
| 25° | 1526.8 | 1545.8 | 1525.3 | 1504.8 | 1485.8 | 1466.7 | 1447.7 | 1428.7 | 1427.2 | 1425.8 | 1431.6 |
| 27.5° | 1411.1 | 1428.7 | 1409.7 | 1390.6 | 1374.5 | 1358.4 | 1343.8 | 1329.2 | 1326.2 | 1323.3 | 1324.8 |
| 30° | 1311.6 | 1327.7 | 1311.6 | 1294.0 | 1282.3 | 1269.1 | 1258.9 | 1248.6 | 1247.2 | 1245.7 | 1245.7 |
| 32.5° | 1222.3 | 1238.4 | 1226.7 | 1215.0 | 1204.7 | 1194.5 | 1187.2 | 1179.8 | 1172.5 | 1165.2 | 1149.1 |
| 35° | 1144.7 | 1160.8 | 1153.5 | 1144.7 | 1133.0 | 1121.3 | 1108.1 | 1093.5 | 1074.4 | 1054.0 | 1045.2 |
| 37.5° | 1078.8 | 1094.9 | 1087.6 | 1080.3 | 1064.2 | 1048.1 | 1024.7 | 999.8 | 993.9 | 986.6 | 985.2 |
| 40° | 1026.1 | 1051.0 | 1036.4 | 1020.3 | 995.4 | 970.5 | 958.8 | 947.1 | 944.2 | 941.2 | 938.3 |
| 42.5° | 967.6 | 1005.6 | 979.3 | 952.9 | 929.5 | 906.1 | 903.2 | 900.3 | 898.8 | 897.3 | 897.3 |
| 45° | 894.4 | 935.4 | 909.0 | 881.2 | 868.0 | 854.9 | 854.9 | 854.9 | 856.3 | 856.3 | 859.3 |
| 47.5° | 825.6 | 850.5 | 837.3 | 824.1 | 816.8 | 809.5 | 811.0 | 812.4 | 816.8 | 819.7 | 827.1 |
| 50° | 767.0 | 775.8 | 778.8 | 780.2 | 775.8 | 771.4 | 774.4 | 775.8 | 780.2 | 783.1 | 789.0 |
| 52.5° | 724.6 | 737.8 | 737.8 | 736.3 | 736.3 | 736.3 | 739.2 | 742.2 | 746.5 | 750.9 | 756.8 |
| 55° | 696.8 | 715.8 | 710.0 | 704.1 | 705.6 | 705.6 | 708.5 | 711.4 | 715.8 | 718.7 | 727.5 |
| 57.5° | 670.4 | 690.9 | 685.1 | 679.2 | 679.2 | 679.2 | 680.7 | 682.1 | 686.5 | 689.5 | 695.3 |
| 60° | 639.7 | 660.2 | 654.3 | 647.0 | 648.5 | 649.9 | 651.4 | 651.4 | 654.3 | 655.8 | 655.8 |
| 62.5° | 603.1 | 623.6 | 617.7 | 610.4 | 614.8 | 617.7 | 617.7 | 617.7 | 620.7 | 622.1 | 617.7 |
| 65° | 565.0 | 584.1 | 578.2 | 572.4 | 578.2 | 582.6 | 585.5 | 587.0 | 585.5 | 584.1 | 579.7 |
| 67.5° | 524.0 | 543.1 | 537.2 | 529.9 | 537.2 | 543.1 | 548.9 | 553.3 | 548.9 | 544.5 | 538.7 |
| 70° | 480.1 | 499.2 | 491.8 | 484.5 | 491.8 | 499.2 | 505.0 | 510.9 | 505.0 | 499.2 | 497.7 |
| 72.5° | 433.3 | 455.2 | 446.5 | 437.7 | 446.5 | 455.2 | 458.2 | 461.1 | 456.7 | 452.3 | 449.4 |
| 75° | 382.1 | 404.0 | 396.7 | 387.9 | 395.2 | 402.6 | 404.0 | 405.5 | 405.5 | 404.0 | 395.2 |
| 77.5° | 327.9 | 345.5 | 341.1 | 336.7 | 341.1 | 345.5 | 345.5 | 345.5 | 346.9 | 346.9 | 335.2 |
| 80° | 263.5 | 273.7 | 275.2 | 276.7 | 278.1 | 279.6 | 278.1 | 276.7 | 273.7 | 270.8 | 263.5 |
| 82.5° | 196.2 | 196.2 | 207.9 | 218.1 | 218.1 | 216.6 | 215.2 | 212.3 | 206.4 | 199.1 | 183.0 |
| 85° | 124.4 | 117.1 | 136.1 | 153.7 | 153.7 | 152.2 | 149.3 | 144.9 | 133.2 | 120.0 | 106.9 |
| 87.5° | 42.5 | 35.1 | 54.2 | 73.2 | 74.7 | 74.7 | 71.7 | 68.8 | 57.1 | 43.9 | 33.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 9655.4 | 9674.4 | 9692.0 | 9835.4 | 9977.4 | 10144.3 | 10311.2 | 10438.5 | 10564.4 | 10694.7 | 10825.0 |
| 5° | 7721.7 | 7745.1 | 7768.5 | 7942.7 | 8115.4 | 8348.2 | 8580.9 | 8781.5 | 8982.0 | 9217.7 | 9453.4 |
| 7.5° | 5723.5 | 5774.8 | 5824.5 | 6010.5 | 6194.9 | 6445.2 | 6694.1 | 6956.1 | 7216.6 | 7524.0 | 7831.4 |
| 10° | 4495.4 | 4592.0 | 4687.2 | 4877.5 | 5067.8 | 5315.1 | 5561.1 | 5834.8 | 6108.5 | 6411.5 | 6713.1 |
| 12.5° | 3639.1 | 3767.9 | 3895.2 | 4123.6 | 4351.9 | 4647.6 | 4941.9 | 5246.3 | 5549.3 | 5815.8 | 6082.2 |
| 15° | 2874.9 | 3015.5 | 3154.5 | 3396.1 | 3637.6 | 3962.6 | 4286.1 | 4618.4 | 4949.2 | 5268.3 | 5587.4 |
| 17.5° | 2242.6 | 2358.2 | 2472.4 | 2677.3 | 2880.8 | 3195.5 | 3510.2 | 3858.6 | 4207.0 | 4596.4 | 4984.3 |
| 20° | 1809.3 | 1857.6 | 1905.9 | 2053.7 | 2200.1 | 2456.3 | 2711.0 | 3066.7 | 3422.4 | 3887.9 | 4353.4 |
| 22.5° | 1585.3 | 1610.2 | 1633.6 | 1705.4 | 1775.6 | 1941.0 | 2105.0 | 2419.7 | 2733.0 | 3240.9 | 3747.4 |
| 25° | 1450.6 | 1469.7 | 1488.7 | 1535.5 | 1582.4 | 1661.4 | 1740.5 | 1961.5 | 2182.6 | 2681.7 | 3179.4 |
| 27.5° | 1329.2 | 1358.4 | 1386.2 | 1408.2 | 1428.7 | 1482.9 | 1535.5 | 1680.5 | 1825.4 | 2290.9 | 2754.9 |
| 30° | 1241.3 | 1251.6 | 1261.8 | 1295.5 | 1327.7 | 1383.3 | 1438.9 | 1539.9 | 1640.9 | 2034.7 | 2427.0 |
| 32.5° | 1138.9 | 1153.5 | 1168.1 | 1203.3 | 1238.4 | 1289.6 | 1340.9 | 1422.8 | 1503.3 | 1840.0 | 2175.2 |
| 35° | 1046.6 | 1061.3 | 1075.9 | 1111.0 | 1144.7 | 1200.3 | 1254.5 | 1323.3 | 1390.6 | 1683.4 | 1976.2 |
| 37.5° | 989.5 | 1004.2 | 1018.8 | 1049.6 | 1078.8 | 1134.5 | 1188.6 | 1242.8 | 1295.5 | 1566.3 | 1837.1 |
| 40° | 941.2 | 955.9 | 970.5 | 999.8 | 1027.6 | 1081.8 | 1134.5 | 1179.8 | 1225.2 | 1478.5 | 1731.7 |
| 42.5° | 898.8 | 914.9 | 931.0 | 960.3 | 988.1 | 1036.4 | 1084.7 | 1144.7 | 1203.3 | 1402.3 | 1600.0 |
| 45° | 863.7 | 879.8 | 894.4 | 926.6 | 958.8 | 1005.6 | 1052.5 | 1135.9 | 1219.4 | 1362.8 | 1506.3 |
| 47.5° | 831.5 | 849.0 | 865.1 | 900.3 | 935.4 | 993.9 | 1051.0 | 1121.3 | 1190.1 | 1332.1 | 1474.1 |
| 50° | 800.7 | 821.2 | 841.7 | 884.1 | 925.1 | 1023.2 | 1119.8 | 1130.1 | 1138.9 | 1307.2 | 1474.1 |
| 52.5° | 771.4 | 794.9 | 818.3 | 871.0 | 922.2 | 1036.4 | 1150.6 | 1114.0 | 1075.9 | 1260.4 | 1444.8 |
| 55° | 742.2 | 762.7 | 781.7 | 846.1 | 910.5 | 993.9 | 1077.4 | 1029.1 | 979.3 | 1172.5 | 1365.7 |
| 57.5° | 702.6 | 724.6 | 745.1 | 813.9 | 882.7 | 941.2 | 998.3 | 954.4 | 909.0 | 1073.0 | 1235.5 |
| 60° | 661.6 | 686.5 | 711.4 | 799.2 | 885.6 | 875.4 | 863.7 | 854.9 | 844.6 | 961.7 | 1078.8 |
| 62.5° | 625.1 | 651.4 | 677.7 | 791.9 | 906.1 | 835.8 | 765.6 | 772.9 | 778.8 | 865.1 | 951.5 |
| 65° | 588.5 | 614.8 | 639.7 | 696.8 | 753.9 | 726.1 | 698.2 | 710.0 | 720.2 | 805.1 | 890.0 |
| 67.5° | 547.5 | 570.9 | 592.8 | 611.9 | 630.9 | 633.8 | 636.8 | 648.5 | 660.2 | 761.2 | 860.7 |
| 70° | 502.1 | 521.1 | 540.2 | 553.3 | 565.0 | 570.9 | 575.3 | 589.9 | 604.6 | 714.3 | 824.1 |
| 72.5° | 450.9 | 467.0 | 481.6 | 493.3 | 505.0 | 509.4 | 512.3 | 527.0 | 541.6 | 658.7 | 775.8 |
| 75° | 395.2 | 408.4 | 420.1 | 430.4 | 440.6 | 446.5 | 452.3 | 462.6 | 472.8 | 600.2 | 726.1 |
| 77.5° | 333.8 | 346.9 | 358.6 | 367.4 | 374.7 | 380.6 | 385.0 | 398.2 | 411.3 | 518.2 | 623.6 |
| 80° | 260.6 | 276.7 | 291.3 | 298.6 | 304.5 | 305.9 | 305.9 | 317.6 | 329.4 | 405.5 | 480.1 |
| 82.5° | 184.4 | 202.0 | 218.1 | 224.0 | 229.8 | 229.8 | 229.8 | 243.0 | 256.2 | 307.4 | 357.2 |
| 85° | 108.3 | 127.4 | 144.9 | 150.8 | 156.6 | 159.6 | 161.0 | 166.9 | 171.3 | 207.9 | 243.0 |
| 87.5° | 33.7 | 49.8 | 64.4 | 67.3 | 70.3 | 76.1 | 82.0 | 83.4 | 83.4 | 108.3 | 133.2 |
| 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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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: P320313
 CATALOG NUMBER: GLEON-SA9A-740-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 | 11154.3 |
| 2.5° | 10974.3 | 11123.6 | 11297.8 | 11470.5 | 11618.4 | 11766.2 | 11889.2 |
| 5° | 9753.4 | 10053.5 | 10420.9 | 10786.9 | 11113.3 | 11439.8 | 11818.9 |
| 7.5° | 8219.4 | 8607.3 | 9083.0 | 9558.8 | 10019.9 | 10479.5 | 11062.1 |
| 10° | 7108.3 | 7502.1 | 8005.6 | 8507.7 | 9025.9 | 9542.7 | 10201.4 |
| 12.5° | 6402.8 | 6721.9 | 7209.3 | 7696.8 | 8305.7 | 8913.2 | 9547.0 |
| 15° | 5937.3 | 6285.7 | 6759.9 | 7234.2 | 7900.2 | 8566.3 | 9295.3 |
| 17.5° | 5441.0 | 5896.3 | 6503.8 | 7111.2 | 7900.2 | 8687.8 | 9547.0 |
| 20° | 4921.4 | 5487.9 | 6275.4 | 7062.9 | 8125.7 | 9186.9 | 10283.3 |
| 22.5° | 4403.2 | 5059.0 | 6069.0 | 7077.6 | 8466.7 | 9854.4 | 11334.4 |
| 25° | 3936.2 | 4693.0 | 5943.1 | 7191.8 | 8963.0 | 10732.7 | 12568.4 |
| 27.5° | 3582.0 | 4407.6 | 5891.9 | 7374.7 | 9592.4 | 11810.1 | 13910.7 |
| 30° | 3267.3 | 4107.5 | 5830.4 | 7553.3 | 10198.4 | 12842.1 | 14960.3 |
| 32.5° | 2995.0 | 3814.7 | 5711.8 | 7607.5 | 10621.5 | 13635.5 | 15848.8 |
| 35° | 2781.3 | 3586.4 | 5512.8 | 7439.1 | 10886.4 | 14333.7 | 16773.9 |
| 37.5° | 2596.8 | 3356.5 | 5285.9 | 7215.2 | 11122.1 | 15029.1 | 17814.7 |
| 40° | 2421.2 | 3110.6 | 5091.2 | 7070.3 | 11447.1 | 15823.9 | 18914.0 |
| 42.5° | 2254.3 | 2908.6 | 4934.5 | 6960.5 | 11748.6 | 16535.3 | 19875.8 |
| 45° | 2129.9 | 2753.4 | 4795.5 | 6836.0 | 11943.3 | 17050.6 | 20600.4 |
| 47.5° | 2068.4 | 2661.2 | 4720.8 | 6779.0 | 12138.0 | 17495.6 | 21202.0 |
| 50° | 2059.6 | 2645.1 | 4805.7 | 6966.3 | 12559.6 | 18151.4 | 21890.0 |
| 52.5° | 2058.1 | 2671.5 | 5050.2 | 7428.9 | 13342.7 | 19255.1 | 22635.1 |
| 55° | 2027.4 | 2687.6 | 5341.5 | 7993.9 | 14393.8 | 20792.1 | 23974.5 |
| 57.5° | 1933.7 | 2632.0 | 5641.6 | 8649.7 | 15504.8 | 22358.4 | 25483.7 |
| 60° | 1788.8 | 2497.3 | 5889.0 | 9279.2 | 16251.3 | 23222.1 | 26064.8 |
| 62.5° | 1607.3 | 2261.6 | 5970.9 | 9678.8 | 16230.9 | 22782.9 | 25479.3 |
| 65° | 1452.1 | 2014.2 | 5701.6 | 9387.5 | 15409.7 | 21430.4 | 24321.4 |
| 67.5° | 1314.5 | 1766.8 | 5028.2 | 8288.2 | 13932.7 | 19575.7 | 22848.8 |
| 70° | 1215.0 | 1604.3 | 4160.2 | 6716.0 | 12083.8 | 17450.2 | 21143.4 |
| 72.5° | 1152.0 | 1526.8 | 3391.7 | 5255.1 | 9806.1 | 14355.7 | 18085.5 |
| 75° | 1065.7 | 1405.3 | 2661.2 | 3915.7 | 7505.0 | 11094.3 | 13660.4 |
| 77.5° | 904.6 | 1184.2 | 2005.4 | 2826.6 | 5506.9 | 8185.7 | 9500.2 |
| 80° | 698.2 | 914.9 | 1378.9 | 1843.0 | 3789.8 | 5736.7 | 6477.4 |
| 82.5° | 497.7 | 638.2 | 835.8 | 1033.5 | 2517.8 | 4000.6 | 4062.1 |
| 85° | 307.4 | 371.8 | 478.7 | 585.5 | 1665.8 | 2746.1 | 2288.0 |
| 87.5° | 165.4 | 197.6 | 253.2 | 307.4 | 532.8 | 758.3 | 436.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320313
 CATALOG NUMBER: GLEON-SA9A-740-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

MCGRAW, INVUE, LUMARK AND STREETWORKS

DATA VALID FOR LUMINAIRES UTILIZING SA LIGHT ENGINES

Report Number: SP1-2101-121-2

Luminaire Tested: IFLD-S-SA2A-740-U-T3R-HSS

Test Date: 03/05/2021

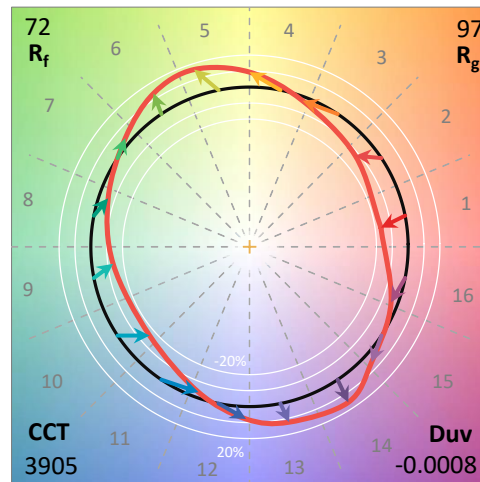
Test Information

Test Method: LM-79-08
 Report Number: SP1-2101-121-2
 Test Lab: COOPER LIGHTING SOLUTIONS
 Photometer: SP1
 Measurement Geometry: 4π
 Issue Date: 03/05/2021
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: STREETWORKS
 Catalog Number: **IFLD-S-SA2A-740-U-T3R-HSS**
 Description: STREETWORKS INF FLOOD

SHIELD, DRIVER PROGRAMMED @ 615mA.

Spectral Parameters

| | | | | | |
|---------------------------|---------|-----------|------|------|-------|
| CCT (K): | 3905 | CRI (Ra): | 71.2 | R9: | -29.7 |
| CIE u': | 0.2273 | R1: | 68.9 | R10: | 46.2 |
| CIE v': | 0.5024 | R2: | 77.0 | R11: | 68.8 |
| Duv: | -0.0008 | R3: | 84.0 | R12: | 45.6 |
| CIE x: | 0.3841 | R4: | 71.6 | R13: | 69.5 |
| CIE y: | 0.3774 | R5: | 68.9 | R14: | 90.7 |
| CIE z: | 0.2385 | R6: | 68.3 | | |
| Peak Wavelength (nm): | 443 | R7: | 78.7 | | |
| Dominant Wavelength (nm): | 579 | R8: | 52.2 | | |
| Purity: | 28.7 | | | | |
| Rf: | 71.7 | | | | |
| Rg: | 96.9 | | | | |



Test Conditions

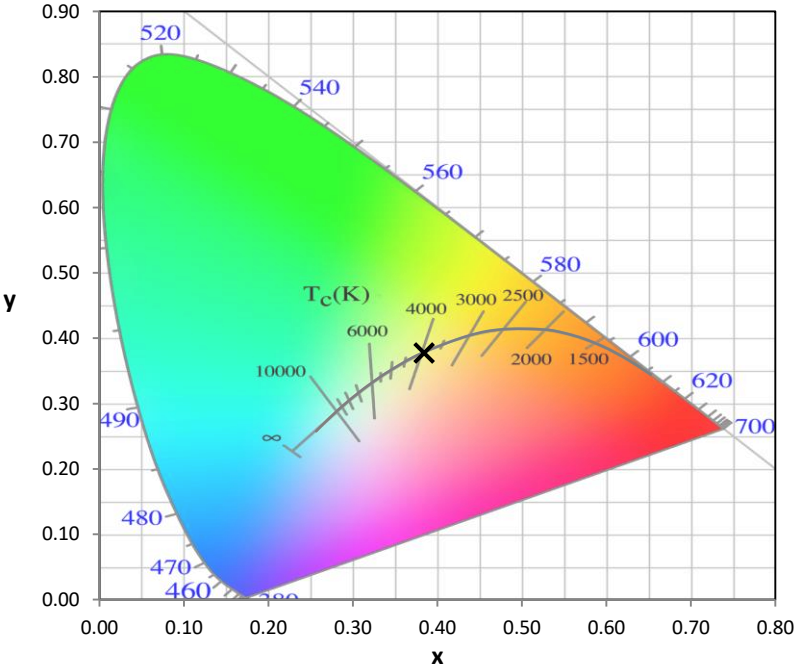
Stabilization Time: 211M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.8/312%
 Sphere Temperature (°C): 24.1

REPORT NUMBER: SP1-2101-121-2

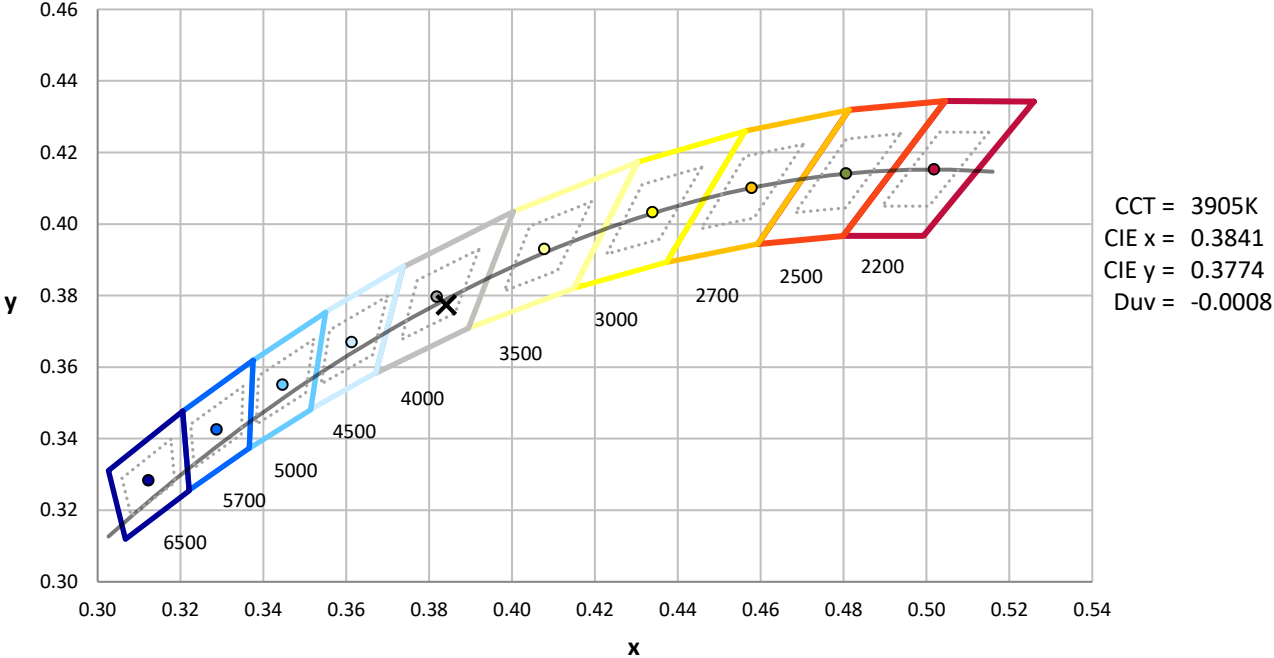
| Measurement and Test Equipment | | | |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument | Identification Number | Calibration Date | Calibration Due Date |
| Photometer | IN0058 | 1/31/2021 | 7/31/2021 |
| Power Meter | IN0071 | 12/1/2020 | 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: SP1-2101-121-2

CIE 1931 Chromaticity Diagram



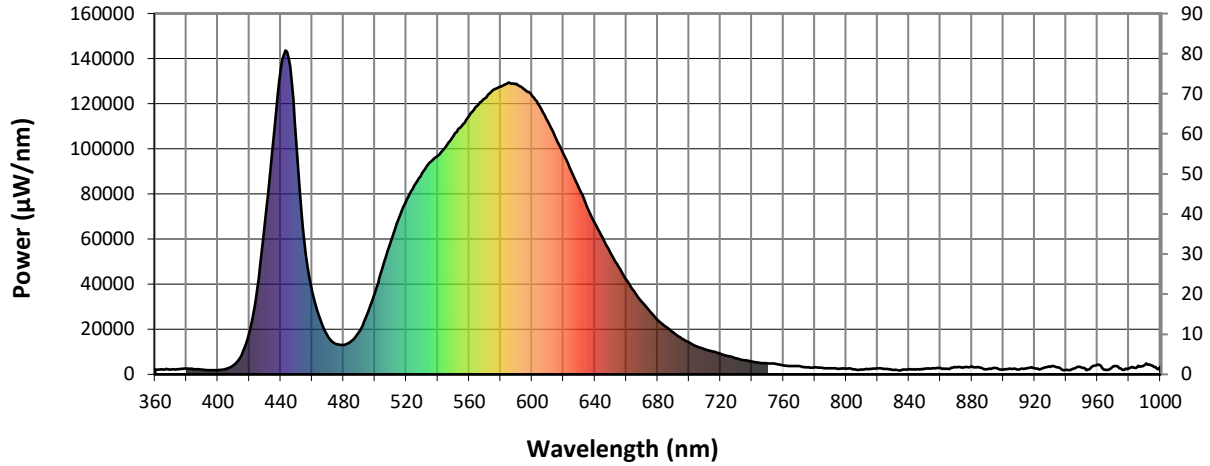
CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2101-121-2

Photopic Flux vs. Wavelength

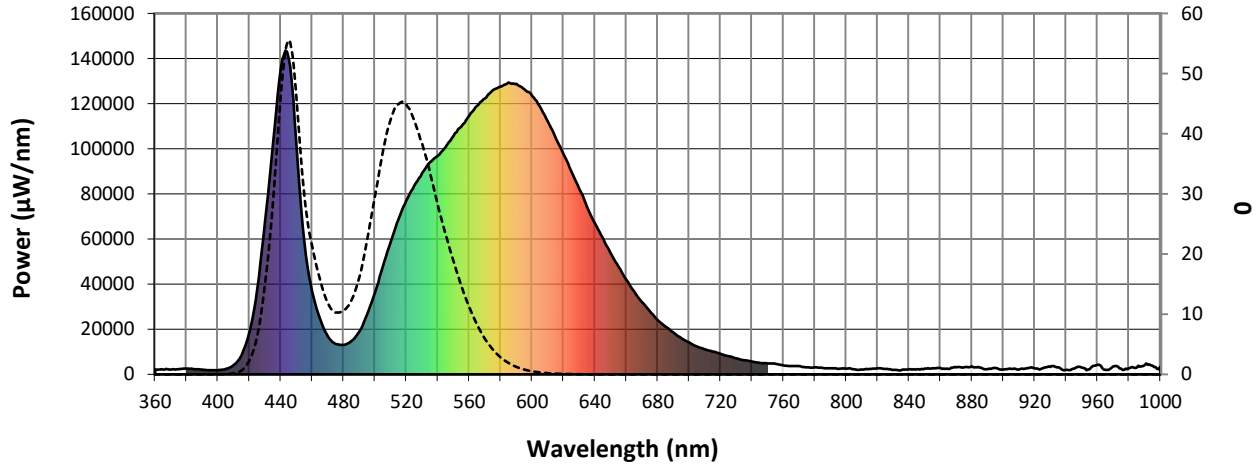


#####

| 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 | 2304 | 0.0 | 490 | 19043 | 2.7 | 620 | 97577 | 25.4 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 4.8 | 625 | 90158 | 19.9 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 8.0 | 630 | 82240 | 14.9 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 13.3 | 635 | 74361 | 11.2 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 20.2 | 640 | 66994 | 8.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 28.5 | 645 | 60405 | 5.8 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 37.4 | 650 | 53806 | 3.9 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 44.9 | 655 | 47610 | 2.7 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 52.6 | 660 | 42018 | 1.8 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 58.4 | 665 | 36742 | 1.2 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.0 | 540 | 96845 | 63.1 | 670 | 32105 | 0.7 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.0 | 545 | 100829 | 67.1 | 675 | 27946 | 0.5 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 0.1 | 550 | 105648 | 71.8 | 680 | 24146 | 0.3 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 0.2 | 555 | 110017 | 75.1 | 685 | 21191 | 0.2 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 0.5 | 560 | 114586 | 77.9 | 690 | 18544 | 0.1 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 1.2 | 565 | 118987 | 79.1 | 695 | 16058 | 0.1 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 2.1 | 570 | 122326 | 79.5 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 2.9 | 575 | 125968 | 78.4 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 2.7 | 580 | 127613 | 75.8 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 2.0 | 585 | 129466 | 71.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 1.5 | 590 | 128813 | 66.6 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 1.3 | 595 | 126387 | 59.9 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 1.0 | 600 | 123477 | 53.2 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 1.1 | 605 | 118718 | 46.0 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 1.2 | 610 | 112091 | 38.5 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 1.7 | 615 | 105039 | 31.7 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Scotopic Flux vs. Wavelength

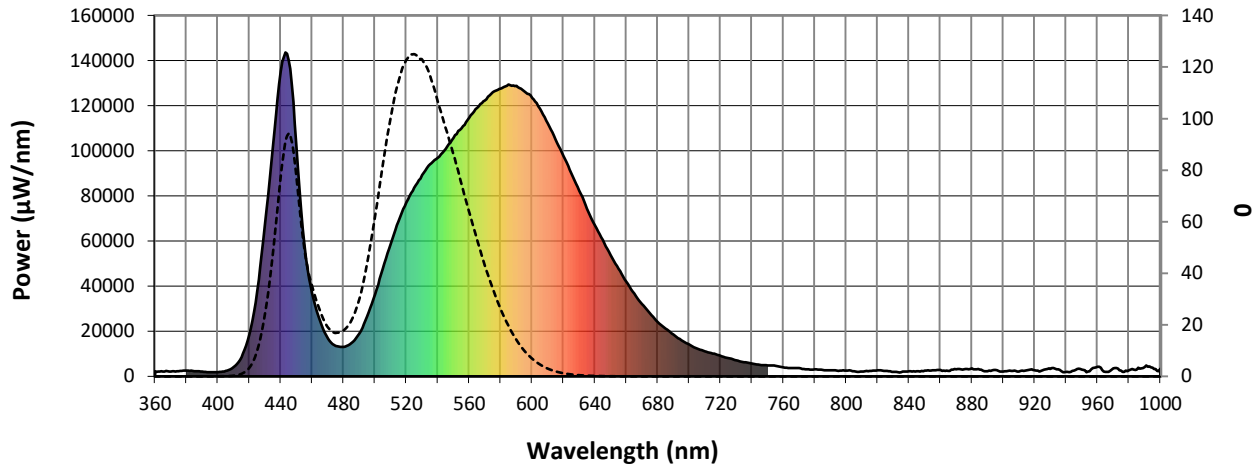


Scotopic Lumens: 10425.8 S/P: 1.47

| 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 | 2304 | 0.0 | 490 | 19043 | 29.3 | 620 | 97577 | 1.2 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 43.0 | 625 | 90158 | 0.8 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 60.8 | 630 | 82240 | 0.5 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 81.1 | 635 | 74361 | 0.3 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 99.6 | 640 | 66994 | 0.2 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 113.9 | 645 | 60405 | 0.1 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 122.6 | 650 | 53806 | 0.1 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 125.0 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 123.1 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.1 | 535 | 94097 | 117.3 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 107.0 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.9 | 545 | 100829 | 96.7 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 3.0 | 550 | 105648 | 86.4 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 9.3 | 555 | 110017 | 75.2 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 23.0 | 560 | 114586 | 64.0 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 45.7 | 565 | 118987 | 53.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 75.5 | 570 | 122326 | 43.2 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 93.8 | 575 | 125968 | 34.3 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 79.3 | 580 | 127613 | 26.3 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 51.3 | 585 | 129466 | 19.8 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 35.6 | 590 | 128813 | 14.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 26.0 | 595 | 126387 | 10.1 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 19.3 | 600 | 123477 | 7.0 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 16.8 | 605 | 118718 | 4.7 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 17.7 | 610 | 112091 | 3.0 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 21.4 | 615 | 105039 | 1.9 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

REPORT NUMBER: SP1-2101-121-2

Melanopic Flux vs. Wavelength

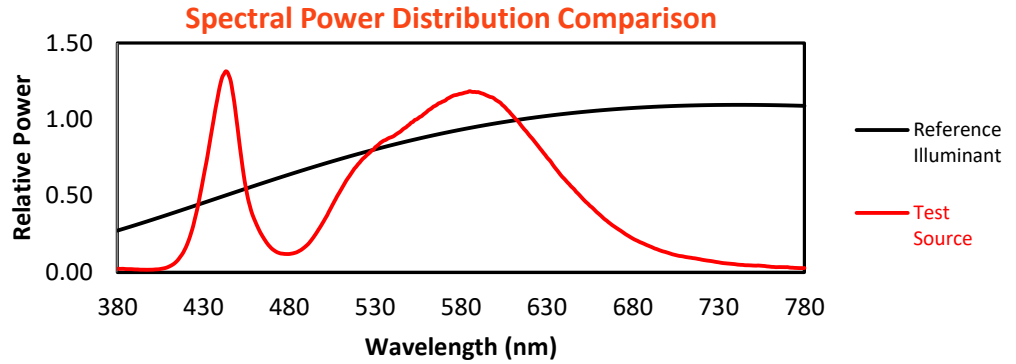


Melanopic Lumens: 3927.2 M/P: 0.55

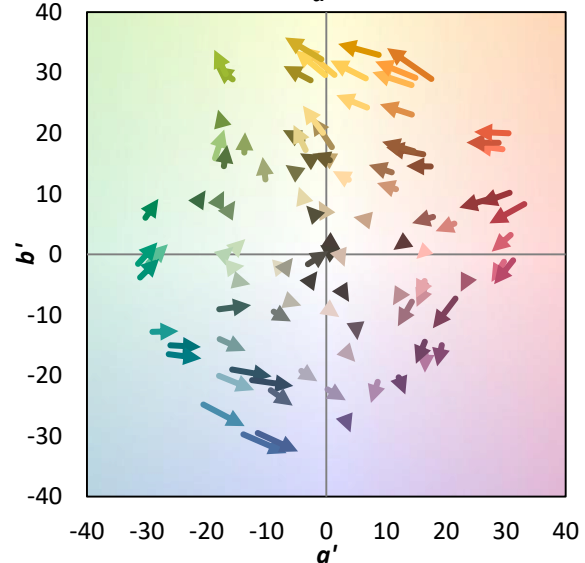
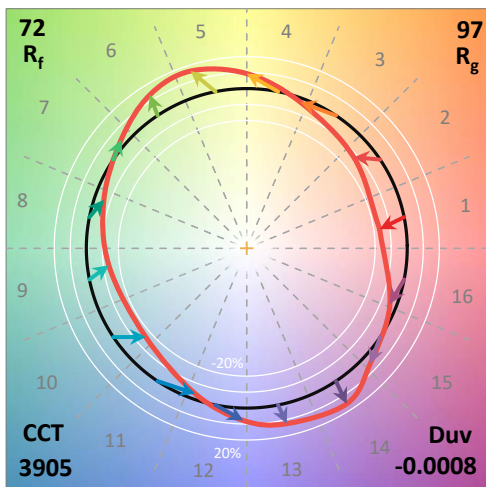
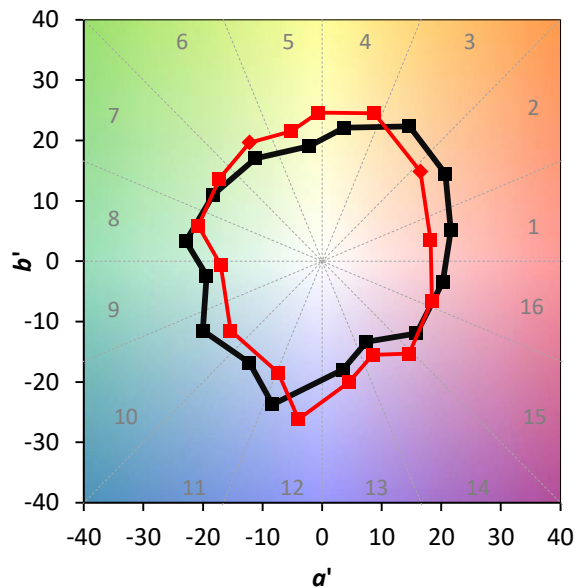
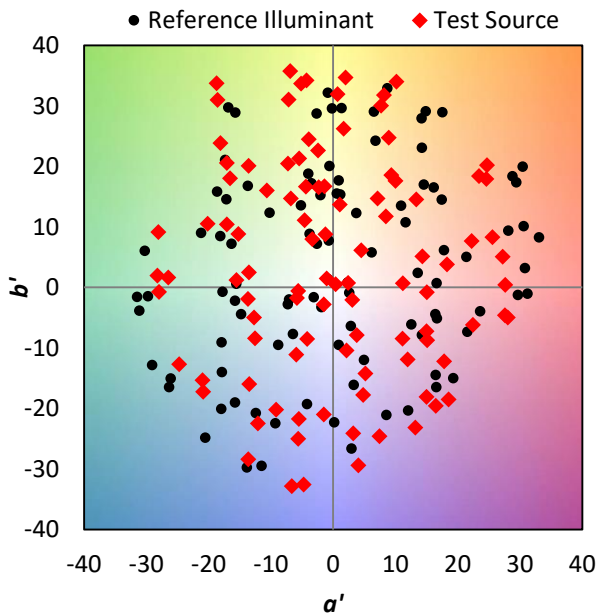
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360 | 2304 | 0.0 | 490 | 19043 | 15.8 | 620 | 97577 | 0.1 | 750 | 4830 | 0.0 | 880 | 3505 | 0.0 |
| 365 | 2150 | 0.0 | 495 | 26606 | 22.0 | 625 | 90158 | 0.0 | 755 | 4664 | 0.0 | 885 | 2991 | 0.0 |
| 370 | 2146 | 0.0 | 500 | 36376 | 29.2 | 630 | 82240 | 0.0 | 760 | 4006 | 0.0 | 890 | 2327 | 0.0 |
| 375 | 2332 | 0.0 | 505 | 47714 | 36.6 | 635 | 74361 | 0.0 | 765 | 3715 | 0.0 | 895 | 2775 | 0.0 |
| 380 | 2527 | 0.0 | 510 | 58741 | 42.2 | 640 | 66994 | 0.0 | 770 | 3696 | 0.0 | 900 | 2141 | 0.0 |
| 385 | 2304 | 0.0 | 515 | 68716 | 44.9 | 645 | 60405 | 0.0 | 775 | 3117 | 0.0 | 905 | 2421 | 0.0 |
| 390 | 2064 | 0.0 | 520 | 77136 | 44.9 | 650 | 53806 | 0.0 | 780 | 3062 | 0.0 | 910 | 2200 | 0.0 |
| 395 | 1856 | 0.0 | 525 | 83567 | 42.4 | 655 | 47610 | 0.0 | 785 | 2907 | 0.0 | 915 | 2716 | 0.0 |
| 400 | 1856 | 0.0 | 530 | 89283 | 38.6 | 660 | 42018 | 0.0 | 790 | 2655 | 0.0 | 920 | 2656 | 0.0 |
| 405 | 2374 | 0.0 | 535 | 94097 | 33.9 | 665 | 36742 | 0.0 | 795 | 2467 | 0.0 | 925 | 2671 | 0.0 |
| 410 | 4084 | 0.2 | 540 | 96845 | 28.3 | 670 | 32105 | 0.0 | 800 | 2609 | 0.0 | 930 | 3292 | 0.0 |
| 415 | 8543 | 0.6 | 545 | 100829 | 23.4 | 675 | 27946 | 0.0 | 805 | 2293 | 0.0 | 935 | 3188 | 0.0 |
| 420 | 18394 | 2.1 | 550 | 105648 | 19.0 | 680 | 24146 | 0.0 | 810 | 2188 | 0.0 | 940 | 1997 | 0.0 |
| 425 | 37987 | 5.9 | 555 | 110017 | 14.8 | 685 | 21191 | 0.0 | 815 | 2386 | 0.0 | 945 | 2623 | 0.0 |
| 430 | 67605 | 14.3 | 560 | 114586 | 11.3 | 690 | 18544 | 0.0 | 820 | 2712 | 0.0 | 950 | 2969 | 0.0 |
| 435 | 102160 | 27.3 | 565 | 118987 | 8.4 | 695 | 16058 | 0.0 | 825 | 2473 | 0.0 | 955 | 2277 | 0.0 |
| 440 | 135103 | 45.1 | 570 | 122326 | 6.0 | 700 | 14133 | 0.0 | 830 | 1969 | 0.0 | 960 | 4267 | 0.0 |
| 445 | 140126 | 55.3 | 575 | 125968 | 4.2 | 705 | 12309 | 0.0 | 835 | 1917 | 0.0 | 965 | 2034 | 0.0 |
| 450 | 102339 | 47.2 | 580 | 127613 | 2.9 | 710 | 11142 | 0.0 | 840 | 2248 | 0.0 | 970 | 3586 | 0.0 |
| 455 | 58751 | 30.8 | 585 | 129466 | 1.9 | 715 | 10143 | 0.0 | 845 | 2266 | 0.0 | 975 | 2505 | 0.0 |
| 460 | 36892 | 21.7 | 590 | 128813 | 1.3 | 720 | 9072 | 0.0 | 850 | 2558 | 0.0 | 980 | 2666 | 0.0 |
| 465 | 24637 | 16.1 | 595 | 126387 | 0.8 | 725 | 8130 | 0.0 | 855 | 2767 | 0.0 | 985 | 2934 | 0.0 |
| 470 | 16738 | 12.0 | 600 | 123477 | 0.5 | 730 | 7149 | 0.0 | 860 | 2826 | 0.0 | 990 | 4120 | 0.0 |
| 475 | 13456 | 10.3 | 605 | 118718 | 0.3 | 735 | 6311 | 0.0 | 865 | 2385 | 0.0 | 995 | 3858 | 0.0 |
| 480 | 13081 | 10.5 | 610 | 112091 | 0.2 | 740 | 5711 | 0.0 | 870 | 3194 | 0.0 | 1000 | 3405 | 0.0 |
| 485 | 14734 | 12.1 | 615 | 105039 | 0.1 | 745 | 5111 | 0.0 | 875 | 3189 | 0.0 | | | |

Summary

$R_f = 71.7$
 $R_g = 96.9$
 CIE $R_a = 71.2$
 $R_g = -29.7$

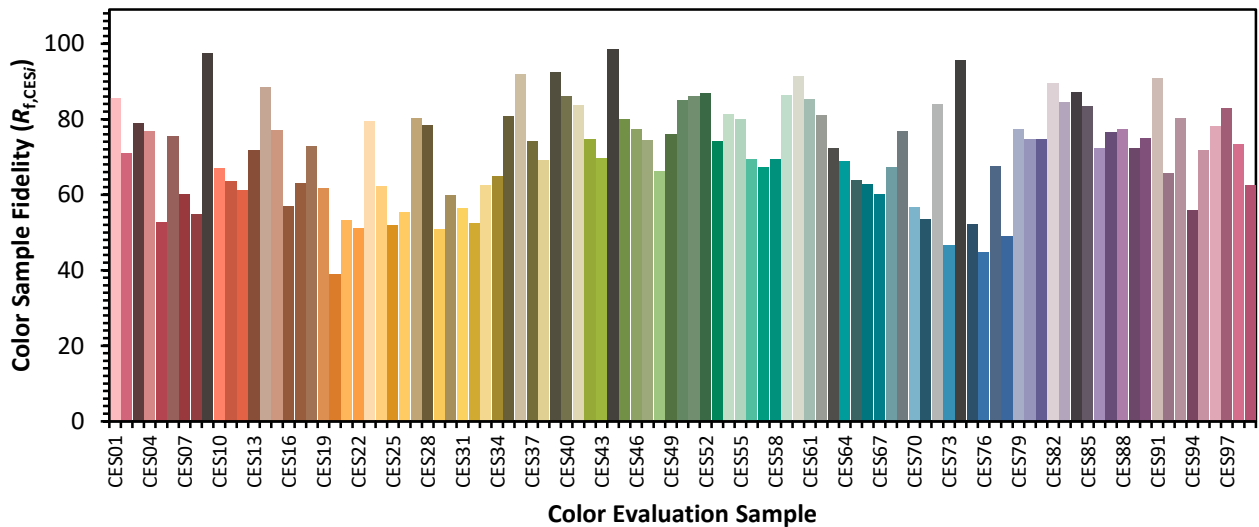


Color Vector Graphics

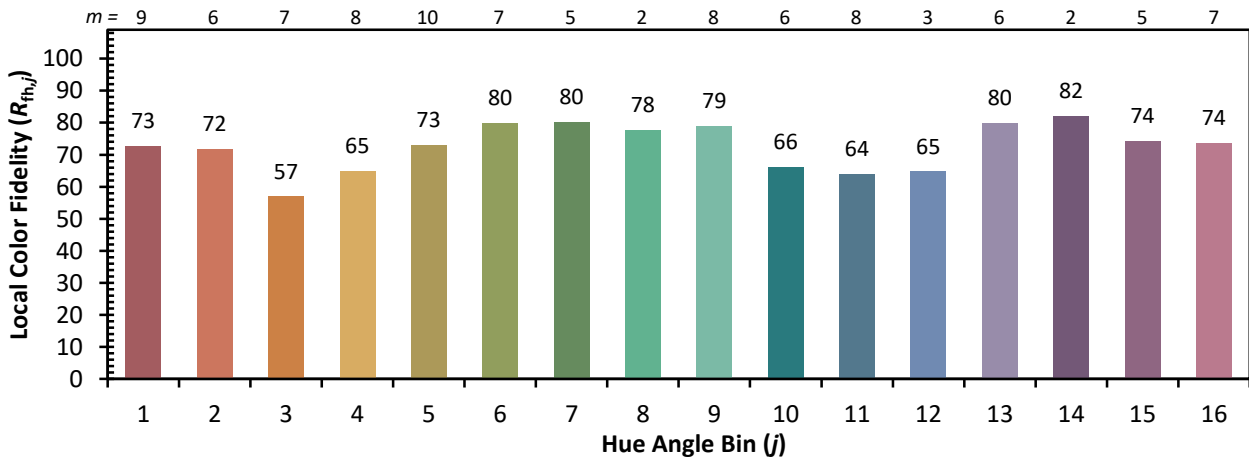
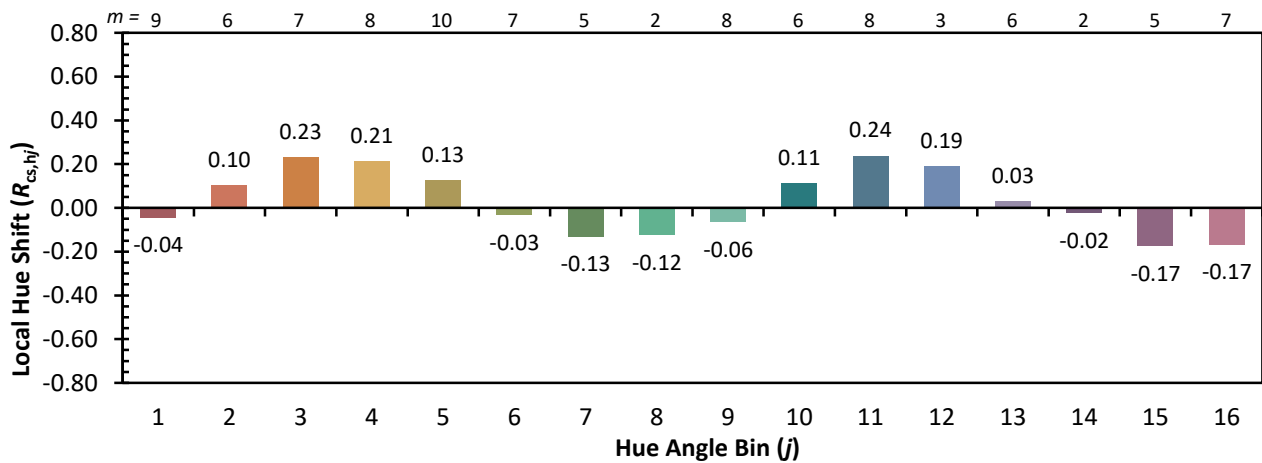
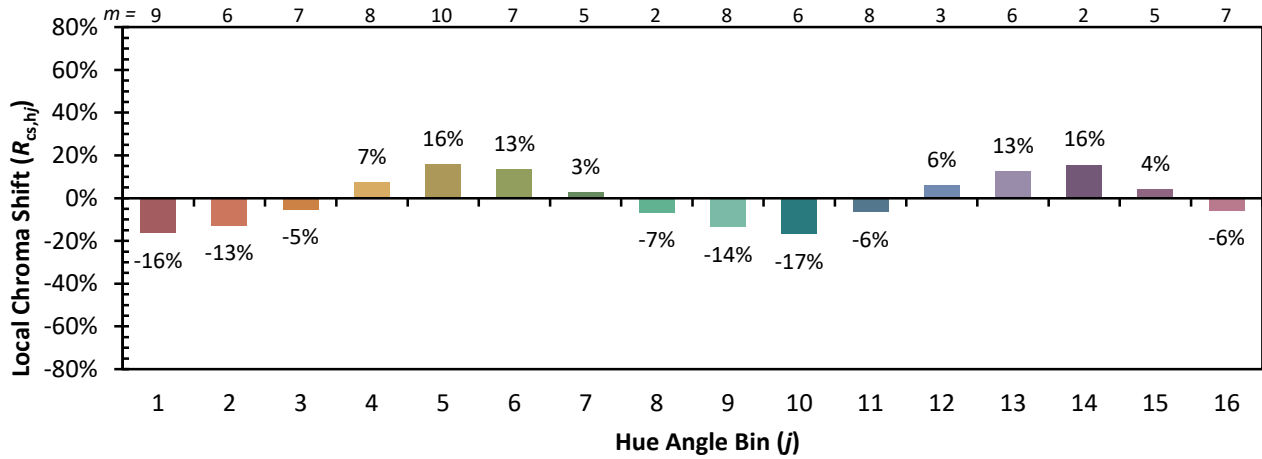


Individual Sample Fidelity Index ($R_{f,i}$)

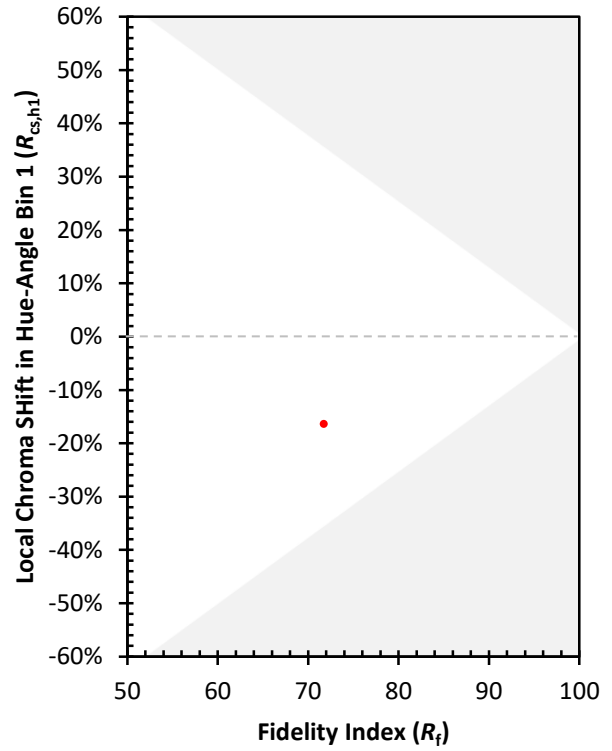
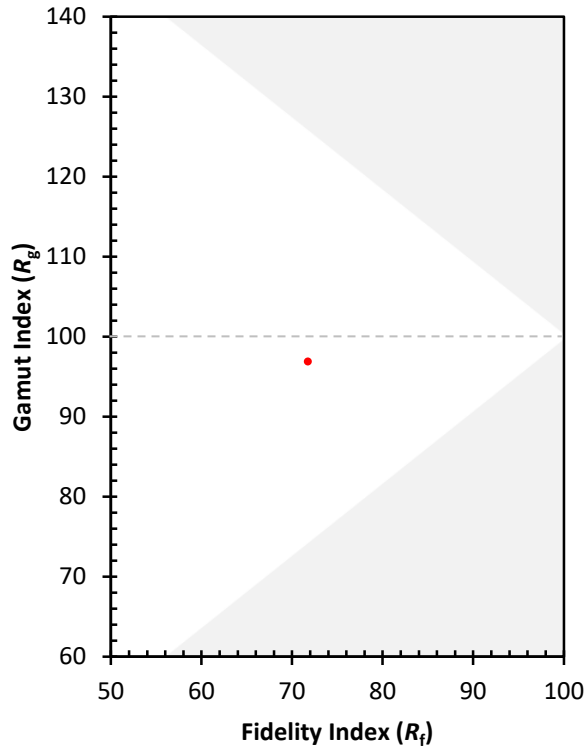
| | | | |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 55 | CES51 = 86 | CES76 = 45 |
| CES02 = 61 | CES27 = 80 | CES52 = 87 | CES77 = 68 |
| CES03 = 30 | CES28 = 79 | CES53 = 74 | CES78 = 49 |
| CES04 = 70 | CES29 = 51 | CES54 = 81 | CES79 = 77 |
| CES05 = 47 | CES30 = 60 | CES55 = 80 | CES80 = 75 |
| CES06 = 50 | CES31 = 56 | CES56 = 69 | CES81 = 75 |
| CES07 = 40 | CES32 = 52 | CES57 = 67 | CES82 = 90 |
| CES08 = 39 | CES33 = 62 | CES58 = 69 | CES83 = 85 |
| CES09 = 29 | CES34 = 65 | CES59 = 86 | CES84 = 87 |
| CES10 = 74 | CES35 = 81 | CES60 = 91 | CES85 = 83 |
| CES11 = 57 | CES36 = 92 | CES61 = 85 | CES86 = 72 |
| CES12 = 63 | CES37 = 74 | CES62 = 81 | CES87 = 77 |
| CES13 = 42 | CES38 = 69 | CES63 = 72 | CES88 = 77 |
| CES14 = 74 | CES39 = 92 | CES64 = 69 | CES89 = 72 |
| CES15 = 71 | CES40 = 86 | CES65 = 64 | CES90 = 75 |
| CES16 = 46 | CES41 = 84 | CES66 = 63 | CES91 = 91 |
| CES17 = 49 | CES42 = 75 | CES67 = 60 | CES92 = 66 |
| CES18 = 56 | CES43 = 70 | CES68 = 67 | CES93 = 80 |
| CES19 = 72 | CES44 = 98 | CES69 = 77 | CES94 = 56 |
| CES20 = 65 | CES45 = 80 | CES70 = 57 | CES95 = 72 |
| CES21 = 86 | CES46 = 77 | CES71 = 53 | CES96 = 78 |
| CES22 = 78 | CES47 = 74 | CES72 = 84 | CES97 = 83 |
| CES23 = 92 | CES48 = 66 | CES73 = 47 | CES98 = 73 |
| CES24 = 91 | CES49 = 76 | CES74 = 96 | CES99 = 63 |
| CES25 = 72 | CES50 = 85 | CES75 = 52 | |



Color Rendition by Hue-Angle Bin



Measure Comparisons



(END OF REPORT)