

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: P320422

Luminaire Tested: **GLEON-SA8D-760-U-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P320422
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-SA8D-760-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 54648 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

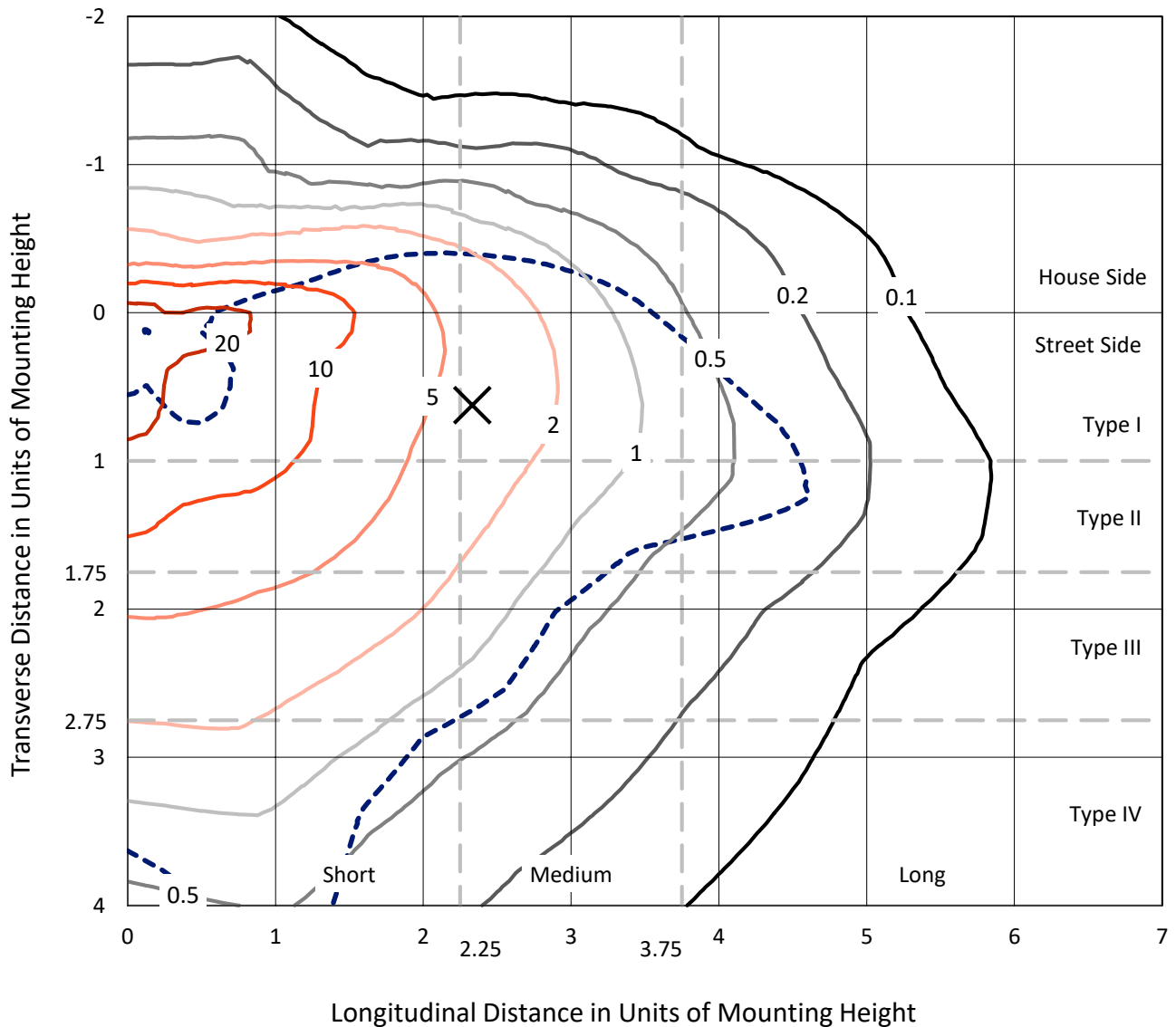
Input Watts (W): 511
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-U-SLL

Iso-Footcandle Lines of Horizontal Illumination

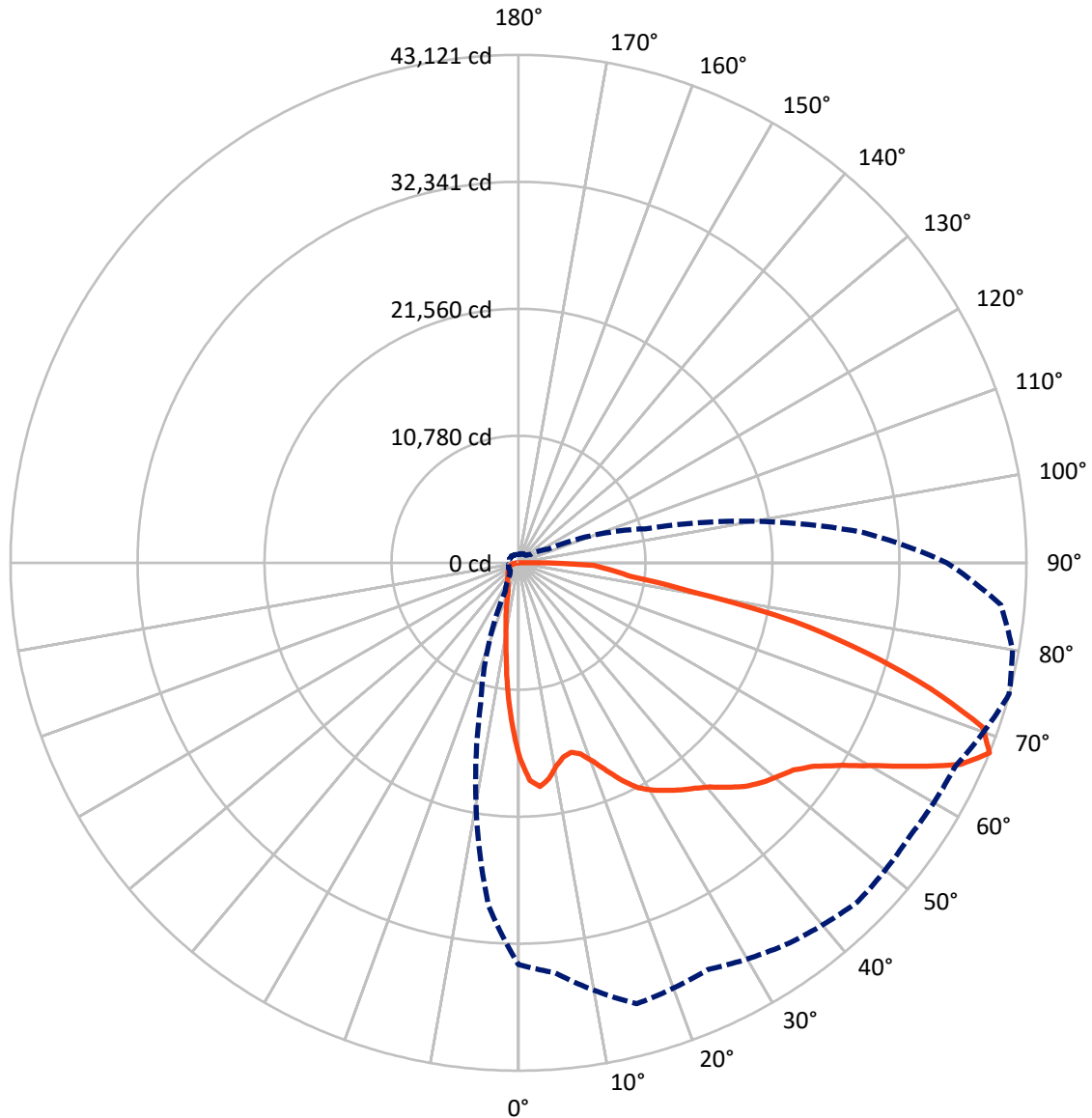
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 33.5 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 | 9624.9 | 0.0 | 9624.9 |
| | % Fixture | 17.6 | 0.0 | 17.6 |
| Street Side | Lumens | 45023.1 | 0.0 | 45023.1 |
| | % Fixture | 82.4 | 0.0 | 82.4 |
| Total | Lumens | 54648.0 | 0.0 | 54648.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 1284.9 | 2.4 |
| 10°-20° | 2669.3 | 4.9 |
| 20°-30° | 3796.3 | 6.9 |
| 30°-40° | 5470.4 | 10.0 |
| 40°-50° | 7709.4 | 14.1 |
| 50°-60° | 10717.4 | 19.6 |
| 60°-70° | 12960.5 | 23.7 |
| 70°-80° | 7966.7 | 14.6 |
| 80°-90° | 2073.1 | 3.8 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 54648.0 | 100.0 |
| 0°-180° | 54648.0 | 100.0 |

Coefficient of Utilization

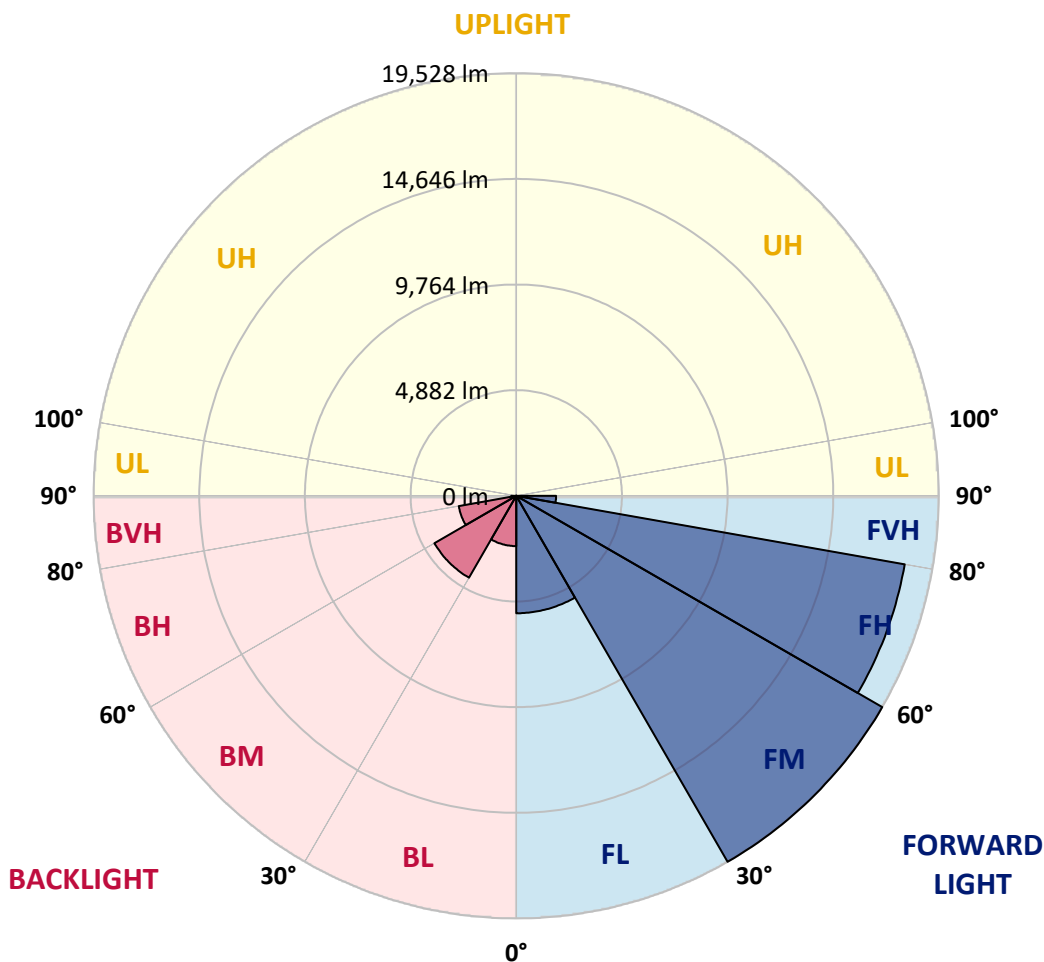


REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-U-SLL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 5426.0 | 9.9 | | | |
| FM (30°-60°) | 19528.3 | 35.7 | | | |
| FH (60°-80°) | 18228.7 | 33.4 | | | G5 |
| FVH (80°-90°) | 1840.1 | 3.4 | | | G5 |
| BL (0°-30°) | 2324.5 | 4.3 | B3/2500 | | |
| BM (30°-60°) | 4369.0 | 8.0 | B3/5000 | | |
| BH (60°-80°) | 2698.5 | 4.9 | B4/5000 | | G4/5000 |
| BVH (80°-90°) | 232.9 | 0.4 | | | G3/500 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B4-U0-G5
 Type III Medium





REPORT NUMBER: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 17745.6 | 17979.4 | 18141.0 | 18300.5 | 18425.1 | 18547.4 | 18726.6 | 18905.7 | 18940.7 | 18973.5 | 18903.6 |
| 5° | 17640.7 | 18211.0 | 18696.0 | 19178.9 | 19626.8 | 20074.7 | 20343.4 | 20612.1 | 20666.8 | 20721.4 | 20553.1 |
| 7.5° | 16511.1 | 17352.3 | 18193.5 | 19034.7 | 19805.9 | 20577.2 | 21046.9 | 21514.5 | 21621.6 | 21726.4 | 21451.1 |
| 10° | 15226.4 | 16205.2 | 17238.7 | 18272.1 | 19288.1 | 20304.1 | 20983.6 | 21663.1 | 21798.5 | 21934.0 | 21591.0 |
| 12.5° | 14249.8 | 15318.2 | 16421.5 | 17524.9 | 18597.7 | 19668.3 | 20371.8 | 21075.3 | 21243.6 | 21411.8 | 21162.7 |
| 15° | 13874.0 | 15045.1 | 16082.9 | 17120.7 | 18055.8 | 18988.8 | 19565.6 | 20140.2 | 20210.1 | 20277.9 | 20238.5 |
| 17.5° | 14249.8 | 15541.0 | 16480.5 | 17417.8 | 17926.9 | 18433.8 | 18665.4 | 18894.8 | 18971.3 | 19045.6 | 19146.1 |
| 20° | 15348.8 | 16742.7 | 17404.7 | 18064.6 | 18042.7 | 18018.7 | 17907.3 | 17793.6 | 17774.0 | 17754.3 | 18038.4 |
| 22.5° | 16917.5 | 18536.5 | 18800.9 | 19063.1 | 18449.1 | 17835.2 | 17461.5 | 17085.7 | 17011.5 | 16935.0 | 17236.5 |
| 25° | 18759.4 | 20483.2 | 20435.2 | 20384.9 | 19216.0 | 18044.9 | 17332.6 | 16620.4 | 16537.3 | 16454.3 | 16712.1 |
| 27.5° | 20762.9 | 22410.3 | 22095.7 | 21781.0 | 20192.6 | 18604.2 | 17570.8 | 16537.3 | 16454.3 | 16371.3 | 16598.5 |
| 30° | 22329.5 | 23823.9 | 23319.2 | 22814.5 | 21016.3 | 19218.2 | 17990.3 | 16762.4 | 16626.9 | 16489.3 | 16768.9 |
| 32.5° | 23655.7 | 24927.3 | 24250.0 | 23572.6 | 21684.9 | 19797.2 | 18468.8 | 17140.4 | 16928.4 | 16716.5 | 17090.1 |
| 35° | 25036.5 | 26028.4 | 25075.8 | 24121.1 | 22281.4 | 20439.5 | 19034.7 | 17627.6 | 17367.6 | 17107.6 | 17621.0 |
| 37.5° | 26590.0 | 27413.7 | 26045.9 | 24676.0 | 22952.1 | 21228.3 | 19882.4 | 18534.3 | 18267.8 | 18001.2 | 18656.7 |
| 40° | 28230.8 | 28916.9 | 27092.5 | 25268.1 | 23686.3 | 22104.4 | 21055.7 | 20004.7 | 19751.3 | 19495.7 | 20291.0 |
| 42.5° | 29666.3 | 30166.6 | 28066.9 | 25967.3 | 24571.1 | 23172.8 | 22434.3 | 21693.7 | 21691.5 | 21687.1 | 22493.3 |
| 45° | 30747.8 | 31182.6 | 28879.7 | 26574.7 | 25434.2 | 24291.5 | 23906.9 | 23522.4 | 23830.5 | 24138.5 | 24868.3 |
| 47.5° | 31645.8 | 31940.7 | 29561.4 | 27179.9 | 26421.7 | 25663.6 | 25720.4 | 25777.2 | 26404.2 | 27031.3 | 27501.1 |
| 50° | 32672.7 | 32434.5 | 30179.7 | 27922.7 | 27689.0 | 27455.2 | 27966.4 | 28475.5 | 29196.5 | 29915.3 | 30234.3 |
| 52.5° | 33784.8 | 33153.3 | 31018.7 | 28881.9 | 29144.1 | 29406.3 | 30446.3 | 31486.3 | 32213.8 | 32941.4 | 33061.6 |
| 55° | 35783.9 | 34816.0 | 32561.2 | 30304.3 | 30809.0 | 31311.5 | 32838.7 | 34363.8 | 34931.8 | 35499.9 | 35543.6 |
| 57.5° | 38036.5 | 37177.9 | 34722.1 | 32266.3 | 32808.1 | 33350.0 | 35113.2 | 36874.2 | 37488.1 | 38099.9 | 38014.7 |
| 60° | 38903.9 | 38945.4 | 36773.7 | 34599.7 | 35145.9 | 35692.2 | 37409.5 | 39126.8 | 39832.5 | 40536.0 | 40348.1 |
| 62.5° | 38030.0 | 39054.7 | 37894.5 | 36732.2 | 37228.1 | 37721.9 | 39404.3 | 41086.6 | 41809.8 | 42533.0 | 42205.3 |
| 65° | 36301.7 | 37317.7 | 37837.7 | 38357.7 | 38521.6 | 38685.4 | 40256.4 | 41825.1 | 42380.1 | 42932.8 | 42766.8 |
| 67.5° | 34103.8 | 34925.3 | 36843.6 | 38759.7 | 38429.8 | 38099.9 | 38836.2 | 39572.5 | 40142.8 | 40713.0 | 40619.1 |
| 70° | 31558.4 | 32537.2 | 35095.7 | 37654.2 | 36033.0 | 34409.6 | 34105.9 | 33802.2 | 34418.4 | 35032.3 | 34652.2 |
| 72.5° | 26994.2 | 28471.1 | 31200.1 | 33926.8 | 30940.1 | 27953.3 | 26915.5 | 25877.7 | 26657.7 | 27437.7 | 26832.5 |
| 75° | 20389.3 | 22349.1 | 25364.2 | 28377.2 | 24813.7 | 21250.1 | 19864.9 | 18479.7 | 19150.5 | 19821.2 | 19406.1 |
| 77.5° | 14179.9 | 16637.8 | 19607.1 | 22576.3 | 18953.8 | 15329.1 | 14300.0 | 13268.8 | 13469.8 | 13668.6 | 13598.7 |
| 80° | 9668.1 | 11284.9 | 13356.2 | 15425.2 | 13013.1 | 10601.0 | 10681.9 | 10760.5 | 10666.6 | 10570.4 | 10710.3 |
| 82.5° | 6063.0 | 7201.4 | 8800.7 | 10397.8 | 9117.5 | 7837.2 | 8571.3 | 9305.4 | 8944.9 | 8582.2 | 8717.7 |
| 85° | 3415.0 | 4109.8 | 5674.1 | 7236.3 | 6744.7 | 6250.9 | 6681.4 | 7109.6 | 6550.3 | 5990.9 | 6237.8 |
| 87.5° | 651.1 | 1083.7 | 3139.7 | 5193.5 | 4715.0 | 4236.5 | 3681.5 | 3126.6 | 2385.9 | 1645.2 | 2403.4 |
| 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: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 18833.6 | 18796.5 | 18759.4 | 18626.1 | 18490.6 | 18289.6 | 18123.6 | 17835.2 | 17677.8 | 17439.7 | 17201.5 |
| 5° | 20382.7 | 20146.8 | 19910.8 | 19504.4 | 19095.8 | 18641.4 | 18119.2 | 17540.2 | 17103.2 | 16535.2 | 15967.1 |
| 7.5° | 21175.8 | 20625.2 | 20072.5 | 19292.5 | 18510.3 | 17806.8 | 16980.9 | 16211.8 | 15556.3 | 14817.8 | 14079.4 |
| 10° | 21247.9 | 20422.1 | 19594.0 | 18580.2 | 17564.2 | 16709.9 | 15759.5 | 14905.2 | 14118.7 | 13270.9 | 12421.0 |
| 12.5° | 20911.5 | 20033.1 | 19152.6 | 18036.2 | 16917.5 | 15947.4 | 14924.9 | 13967.9 | 13096.2 | 12163.2 | 11228.1 |
| 15° | 20199.2 | 19497.8 | 18794.3 | 17747.8 | 16701.2 | 15722.4 | 14730.4 | 13596.5 | 12611.1 | 11656.3 | 10699.3 |
| 17.5° | 19244.4 | 18912.3 | 18578.0 | 17822.0 | 17063.9 | 16216.2 | 15254.8 | 13924.2 | 12770.6 | 11732.8 | 10695.0 |
| 20° | 18320.2 | 18442.6 | 18562.7 | 18261.2 | 17959.7 | 17280.2 | 16441.2 | 14946.7 | 13474.1 | 12117.3 | 10758.3 |
| 22.5° | 17535.8 | 18123.6 | 18709.1 | 18942.9 | 19174.5 | 18765.9 | 18110.5 | 16382.2 | 14433.3 | 12661.4 | 10889.4 |
| 25° | 16967.8 | 17942.2 | 18916.7 | 19694.5 | 20470.1 | 20288.8 | 19784.1 | 18125.7 | 15704.9 | 13445.7 | 11184.4 |
| 27.5° | 16825.7 | 18020.9 | 19216.0 | 20422.1 | 21625.9 | 21794.2 | 21654.3 | 19963.2 | 17221.2 | 14420.2 | 11617.0 |
| 30° | 17048.6 | 18259.0 | 19467.3 | 20935.5 | 22401.6 | 23072.3 | 23260.2 | 21494.8 | 18953.8 | 15556.3 | 12156.7 |
| 32.5° | 17463.7 | 18650.1 | 19836.5 | 21435.8 | 23033.0 | 24046.8 | 24645.4 | 22895.3 | 20162.1 | 16412.8 | 12661.4 |
| 35° | 18134.5 | 19244.4 | 20354.3 | 22019.2 | 23684.1 | 24995.0 | 26087.4 | 24341.7 | 21234.8 | 17011.5 | 12785.9 |
| 37.5° | 19310.0 | 20264.7 | 21219.5 | 22757.7 | 24293.7 | 25993.5 | 27634.3 | 25934.5 | 22395.0 | 17588.3 | 12779.4 |
| 40° | 21086.3 | 21761.4 | 22434.3 | 23734.3 | 25032.1 | 27171.1 | 29386.6 | 27710.8 | 23677.5 | 18213.1 | 12748.8 |
| 42.5° | 23299.5 | 23646.9 | 23992.1 | 25021.2 | 26050.3 | 28401.2 | 30977.2 | 29447.8 | 24901.1 | 18794.3 | 12687.6 |
| 45° | 25595.8 | 25687.6 | 25779.4 | 26428.3 | 27075.0 | 29375.7 | 32060.9 | 30752.2 | 25969.5 | 19299.0 | 12626.4 |
| 47.5° | 27968.6 | 27654.0 | 27339.4 | 27597.2 | 27855.0 | 30122.9 | 32834.3 | 31741.9 | 27042.2 | 19858.4 | 12672.3 |
| 50° | 30553.3 | 29677.2 | 28801.1 | 28665.6 | 28530.1 | 30870.1 | 33745.4 | 33000.4 | 28331.3 | 20673.3 | 13015.3 |
| 52.5° | 33179.6 | 31735.4 | 30291.1 | 29755.9 | 29218.4 | 31761.6 | 34953.7 | 34567.0 | 30171.0 | 21936.2 | 13699.2 |
| 55° | 35587.3 | 33749.8 | 31912.3 | 31191.3 | 30470.3 | 33124.9 | 36428.5 | 36867.6 | 32528.5 | 23550.8 | 14571.0 |
| 57.5° | 37927.3 | 35845.1 | 33762.9 | 33094.3 | 32425.8 | 35128.5 | 38296.5 | 38932.3 | 34910.0 | 25099.9 | 15287.6 |
| 60° | 40160.2 | 38099.9 | 36037.4 | 35502.1 | 34964.6 | 37619.2 | 40315.4 | 39852.2 | 36137.9 | 25825.3 | 15510.4 |
| 62.5° | 41877.6 | 40238.9 | 38600.2 | 38318.4 | 38034.4 | 40138.4 | 41866.6 | 39493.9 | 35357.9 | 25110.8 | 14863.7 |
| 65° | 42600.7 | 41667.8 | 40732.7 | 40997.0 | 41259.2 | 42043.6 | 42253.4 | 38445.1 | 32906.4 | 23109.5 | 13312.5 |
| 67.5° | 40522.9 | 40713.0 | 40903.1 | 42013.0 | 43120.7 | 42581.1 | 41104.1 | 36378.2 | 29417.2 | 20273.5 | 11129.8 |
| 70° | 34269.8 | 35410.3 | 36548.6 | 39174.9 | 41798.9 | 40601.6 | 38025.6 | 32668.3 | 25217.9 | 17007.1 | 8794.1 |
| 72.5° | 26225.1 | 27507.6 | 28788.0 | 32685.8 | 36581.4 | 35478.0 | 32323.1 | 26832.5 | 20218.9 | 13581.2 | 6941.4 |
| 75° | 18988.8 | 20437.3 | 21883.7 | 26183.6 | 30483.4 | 28951.8 | 24177.9 | 19211.6 | 15357.5 | 10367.2 | 5374.8 |
| 77.5° | 13526.6 | 14496.7 | 15466.8 | 19714.2 | 23959.4 | 21464.2 | 16093.8 | 12927.9 | 10629.4 | 7205.7 | 3779.8 |
| 80° | 10850.1 | 10553.0 | 10255.8 | 12622.0 | 14988.3 | 14573.1 | 10644.7 | 8302.5 | 7356.5 | 4828.6 | 2300.7 |
| 82.5° | 8850.9 | 8125.6 | 7400.2 | 8514.5 | 9628.8 | 9567.6 | 7387.1 | 6091.4 | 5475.3 | 3356.0 | 1236.6 |
| 85° | 6482.5 | 6191.9 | 5901.4 | 6886.7 | 7872.1 | 7030.9 | 5003.4 | 3871.6 | 4269.3 | 2471.1 | 672.9 |
| 87.5° | 3161.5 | 3611.6 | 4059.5 | 5221.9 | 6382.0 | 4791.4 | 1518.5 | 751.6 | 1040.0 | 683.9 | 325.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 17024.6 | 16845.4 | 16642.2 | 16439.0 | 16207.4 | 15973.6 | 15836.0 | 15696.2 | 15545.4 | 15394.6 | 15224.2 |
| 5° | 15591.3 | 15215.5 | 14789.4 | 14363.4 | 13941.7 | 13520.0 | 13292.8 | 13065.6 | 12825.2 | 12582.7 | 12373.0 |
| 7.5° | 13533.1 | 12984.7 | 12394.8 | 11802.7 | 11278.3 | 10751.8 | 10426.2 | 10098.5 | 9801.4 | 9502.0 | 9250.8 |
| 10° | 11721.9 | 11022.7 | 10430.6 | 9836.3 | 9440.9 | 9045.4 | 8746.1 | 8446.7 | 8158.3 | 7867.7 | 7590.3 |
| 12.5° | 10528.9 | 9829.8 | 9454.0 | 9078.2 | 8750.4 | 8422.7 | 8077.5 | 7730.1 | 7334.6 | 6937.0 | 6646.4 |
| 15° | 10063.5 | 9427.7 | 9010.4 | 8590.9 | 8151.8 | 7710.4 | 7286.6 | 6862.7 | 6395.1 | 5927.6 | 5597.7 |
| 17.5° | 9862.5 | 9030.1 | 8446.7 | 7861.2 | 7282.2 | 6703.2 | 6211.6 | 5720.0 | 5208.7 | 4697.5 | 4363.2 |
| 20° | 9650.6 | 8542.9 | 7760.7 | 6976.3 | 6233.5 | 5490.6 | 4933.5 | 4376.3 | 3919.7 | 3463.0 | 3207.4 |
| 22.5° | 9458.3 | 8025.1 | 7044.0 | 6060.9 | 5182.5 | 4304.2 | 3758.0 | 3209.6 | 2929.9 | 2650.3 | 2547.6 |
| 25° | 9379.7 | 7572.8 | 6366.7 | 5160.7 | 4234.3 | 3305.7 | 2916.8 | 2527.9 | 2420.8 | 2311.6 | 2259.2 |
| 27.5° | 9392.8 | 7168.6 | 5796.5 | 4422.2 | 3587.6 | 2752.9 | 2486.4 | 2219.8 | 2154.3 | 2086.6 | 2053.8 |
| 30° | 9443.0 | 6729.4 | 5259.0 | 3788.6 | 3100.3 | 2412.1 | 2239.5 | 2064.7 | 1994.8 | 1924.9 | 1883.4 |
| 32.5° | 9499.8 | 6336.1 | 4843.9 | 3349.4 | 2787.9 | 2224.2 | 2082.2 | 1938.0 | 1870.3 | 1802.5 | 1761.0 |
| 35° | 9401.5 | 6015.0 | 4559.8 | 3104.7 | 2586.9 | 2066.9 | 1946.7 | 1824.4 | 1750.1 | 1675.8 | 1636.5 |
| 37.5° | 9235.5 | 5691.6 | 4339.2 | 2984.5 | 2455.8 | 1924.9 | 1837.5 | 1747.9 | 1671.4 | 1592.8 | 1555.6 |
| 40° | 9084.7 | 5418.5 | 4175.3 | 2929.9 | 2383.7 | 1835.3 | 1761.0 | 1686.7 | 1608.1 | 1527.2 | 1483.5 |
| 42.5° | 8962.4 | 5235.0 | 4013.6 | 2792.3 | 2318.2 | 1841.9 | 1737.0 | 1629.9 | 1553.4 | 1477.0 | 1428.9 |
| 45° | 8870.6 | 5114.8 | 3886.9 | 2659.0 | 2257.0 | 1855.0 | 1721.7 | 1588.4 | 1511.9 | 1433.3 | 1376.5 |
| 47.5° | 8861.9 | 5051.4 | 3797.3 | 2543.2 | 2141.2 | 1737.0 | 1682.4 | 1627.7 | 1516.3 | 1402.7 | 1337.1 |
| 50° | 8982.0 | 4948.7 | 3692.4 | 2434.0 | 2029.8 | 1625.5 | 1699.8 | 1771.9 | 1581.9 | 1389.6 | 1306.6 |
| 52.5° | 9233.3 | 4767.4 | 3526.4 | 2285.4 | 1894.3 | 1501.0 | 1616.8 | 1730.4 | 1566.6 | 1400.5 | 1293.4 |
| 55° | 9537.0 | 4500.8 | 3275.1 | 2047.2 | 1715.1 | 1380.8 | 1483.5 | 1584.0 | 1481.3 | 1376.5 | 1247.6 |
| 57.5° | 9727.1 | 4164.4 | 2958.3 | 1752.3 | 1514.1 | 1276.0 | 1335.0 | 1391.8 | 1350.3 | 1308.7 | 1177.6 |
| 60° | 9613.5 | 3716.5 | 2602.2 | 1485.7 | 1337.1 | 1188.6 | 1177.6 | 1164.5 | 1225.7 | 1286.9 | 1136.1 |
| 62.5° | 9058.5 | 3253.3 | 2287.6 | 1321.9 | 1210.4 | 1096.8 | 1072.8 | 1046.6 | 1147.1 | 1245.4 | 1085.9 |
| 65° | 8121.2 | 2929.9 | 2088.7 | 1247.6 | 1123.0 | 998.5 | 972.3 | 946.1 | 976.6 | 1007.2 | 932.9 |
| 67.5° | 6930.4 | 2731.1 | 1975.1 | 1219.2 | 1068.4 | 915.5 | 884.9 | 854.3 | 847.7 | 841.2 | 815.0 |
| 70° | 5702.5 | 2608.7 | 1900.8 | 1192.9 | 1009.4 | 823.7 | 795.3 | 766.9 | 758.2 | 747.2 | 727.6 |
| 72.5° | 4767.4 | 2593.5 | 1892.1 | 1190.8 | 961.3 | 731.9 | 705.7 | 679.5 | 668.6 | 655.5 | 640.2 |
| 75° | 3904.4 | 2434.0 | 1796.0 | 1158.0 | 895.8 | 631.4 | 607.4 | 583.4 | 574.6 | 563.7 | 550.6 |
| 77.5° | 2897.1 | 2014.5 | 1509.8 | 1005.0 | 766.9 | 528.7 | 504.7 | 478.5 | 476.3 | 471.9 | 461.0 |
| 80° | 1879.0 | 1457.3 | 1079.3 | 701.3 | 559.3 | 415.1 | 395.5 | 373.6 | 375.8 | 378.0 | 369.2 |
| 82.5° | 1044.4 | 849.9 | 659.8 | 469.7 | 382.4 | 295.0 | 286.2 | 275.3 | 281.8 | 286.2 | 275.3 |
| 85° | 550.6 | 428.2 | 354.0 | 279.7 | 220.7 | 161.7 | 161.7 | 159.5 | 168.2 | 177.0 | 168.2 |
| 87.5° | 238.2 | 150.8 | 128.9 | 104.9 | 59.0 | 10.9 | 13.1 | 13.1 | 17.5 | 21.8 | 19.7 |
| 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: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 15051.6 | 14892.1 | 14730.4 | 14553.5 | 14586.2 | 14450.8 | 14315.3 | 14230.1 | 14144.9 | 14118.7 | 14092.5 |
| 5° | 12163.2 | 11981.9 | 11798.3 | 11634.5 | 11776.5 | 11680.4 | 11584.2 | 11571.1 | 11555.8 | 11555.8 | 11553.6 |
| 7.5° | 8999.5 | 8805.1 | 8608.4 | 8473.0 | 8612.8 | 8595.3 | 8577.8 | 8671.8 | 8765.7 | 8842.2 | 8916.5 |
| 10° | 7312.8 | 7076.8 | 6838.7 | 6637.7 | 6602.7 | 6502.2 | 6399.5 | 6421.4 | 6441.0 | 6524.0 | 6607.1 |
| 12.5° | 6355.8 | 6074.0 | 5792.1 | 5556.1 | 5449.1 | 5283.0 | 5114.8 | 5009.9 | 4905.1 | 4916.0 | 4924.7 |
| 15° | 5265.6 | 4992.4 | 4717.2 | 4514.0 | 4446.2 | 4317.3 | 4188.4 | 4057.3 | 3924.0 | 3869.4 | 3812.6 |
| 17.5° | 4026.7 | 3808.2 | 3587.6 | 3452.1 | 3452.1 | 3415.0 | 3377.8 | 3312.3 | 3244.5 | 3189.9 | 3133.1 |
| 20° | 2951.8 | 2836.0 | 2718.0 | 2661.2 | 2678.7 | 2680.8 | 2680.8 | 2713.6 | 2746.4 | 2728.9 | 2711.4 |
| 22.5° | 2442.7 | 2401.2 | 2359.7 | 2335.6 | 2344.4 | 2346.6 | 2348.7 | 2379.3 | 2407.7 | 2429.6 | 2449.2 |
| 25° | 2204.5 | 2178.3 | 2152.1 | 2143.4 | 2163.0 | 2165.2 | 2165.2 | 2184.9 | 2204.5 | 2226.4 | 2248.2 |
| 27.5° | 2018.8 | 2007.9 | 1997.0 | 1981.7 | 2001.3 | 2001.3 | 1999.2 | 2021.0 | 2040.7 | 2060.3 | 2077.8 |
| 30° | 1841.9 | 1846.2 | 1848.4 | 1844.0 | 1857.1 | 1865.9 | 1872.4 | 1887.7 | 1900.8 | 1916.1 | 1931.4 |
| 32.5° | 1717.3 | 1710.8 | 1704.2 | 1699.8 | 1728.2 | 1743.5 | 1758.8 | 1774.1 | 1787.2 | 1793.8 | 1800.3 |
| 35° | 1597.1 | 1581.9 | 1566.6 | 1555.6 | 1581.9 | 1601.5 | 1621.2 | 1649.6 | 1675.8 | 1680.2 | 1684.5 |
| 37.5° | 1516.3 | 1496.6 | 1477.0 | 1463.9 | 1474.8 | 1483.5 | 1492.3 | 1522.9 | 1553.4 | 1570.9 | 1586.2 |
| 40° | 1439.8 | 1420.2 | 1400.5 | 1389.6 | 1396.1 | 1398.3 | 1400.5 | 1415.8 | 1428.9 | 1461.7 | 1492.3 |
| 42.5° | 1378.7 | 1354.6 | 1330.6 | 1317.5 | 1321.9 | 1326.2 | 1328.4 | 1326.2 | 1324.0 | 1354.6 | 1385.2 |
| 45° | 1317.5 | 1291.3 | 1265.0 | 1249.8 | 1251.9 | 1251.9 | 1251.9 | 1247.6 | 1241.0 | 1256.3 | 1271.6 |
| 47.5° | 1269.4 | 1238.8 | 1208.2 | 1192.9 | 1188.6 | 1184.2 | 1179.8 | 1177.6 | 1173.3 | 1184.2 | 1192.9 |
| 50° | 1221.3 | 1188.6 | 1153.6 | 1136.1 | 1125.2 | 1120.8 | 1116.5 | 1114.3 | 1109.9 | 1120.8 | 1129.6 |
| 52.5° | 1184.2 | 1144.9 | 1105.5 | 1077.1 | 1066.2 | 1059.7 | 1053.1 | 1055.3 | 1055.3 | 1059.7 | 1061.9 |
| 55° | 1118.7 | 1083.7 | 1046.6 | 1026.9 | 1007.2 | 1002.9 | 998.5 | 1005.0 | 1009.4 | 1009.4 | 1009.4 |
| 57.5° | 1046.6 | 1013.8 | 978.8 | 965.7 | 948.2 | 948.2 | 946.1 | 954.8 | 961.3 | 965.7 | 970.1 |
| 60° | 983.2 | 946.1 | 908.9 | 898.0 | 891.4 | 889.2 | 887.1 | 898.0 | 906.7 | 915.5 | 924.2 |
| 62.5° | 924.2 | 884.9 | 845.5 | 832.4 | 830.3 | 832.4 | 832.4 | 843.4 | 852.1 | 860.8 | 869.6 |
| 65° | 858.7 | 819.3 | 777.8 | 764.7 | 769.1 | 775.6 | 782.2 | 790.9 | 797.5 | 806.2 | 815.0 |
| 67.5° | 786.6 | 753.8 | 718.8 | 705.7 | 707.9 | 716.6 | 725.4 | 731.9 | 736.3 | 745.0 | 753.8 |
| 70° | 707.9 | 679.5 | 651.1 | 642.4 | 640.2 | 651.1 | 659.8 | 664.2 | 668.6 | 679.5 | 688.2 |
| 72.5° | 622.7 | 598.7 | 574.6 | 568.1 | 570.3 | 576.8 | 583.4 | 589.9 | 594.3 | 605.2 | 614.0 |
| 75° | 535.3 | 513.4 | 491.6 | 487.2 | 491.6 | 498.2 | 504.7 | 509.1 | 513.4 | 526.6 | 537.5 |
| 77.5° | 450.1 | 426.1 | 399.8 | 397.6 | 404.2 | 410.8 | 415.1 | 421.7 | 428.2 | 445.7 | 463.2 |
| 80° | 360.5 | 334.3 | 305.9 | 303.7 | 310.3 | 316.8 | 323.4 | 329.9 | 336.5 | 358.3 | 378.0 |
| 82.5° | 264.4 | 233.8 | 203.2 | 198.8 | 220.7 | 227.2 | 233.8 | 244.7 | 253.4 | 273.1 | 292.8 |
| 85° | 159.5 | 128.9 | 98.3 | 96.1 | 115.8 | 126.7 | 137.6 | 150.8 | 161.7 | 179.2 | 196.6 |
| 87.5° | 17.5 | 8.7 | 0.0 | 0.0 | 2.2 | 10.9 | 19.7 | 30.6 | 41.5 | 59.0 | 74.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422
 CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 13996.3 | 13898.0 | 13998.5 | 14096.8 | 14138.3 | 14179.9 | 14072.8 | 13963.6 | 14134.0 | 14302.2 | 14345.9 |
| 5° | 11466.2 | 11376.7 | 11444.4 | 11509.9 | 11363.5 | 11217.2 | 11201.9 | 11184.4 | 11311.1 | 11437.8 | 11457.5 |
| 7.5° | 8888.1 | 8859.7 | 8923.0 | 8986.4 | 8800.7 | 8612.8 | 8521.0 | 8429.3 | 8459.8 | 8490.4 | 8486.1 |
| 10° | 6626.7 | 6644.2 | 6722.9 | 6799.3 | 6655.1 | 6510.9 | 6447.6 | 6384.2 | 6454.1 | 6521.9 | 6585.2 |
| 12.5° | 4964.0 | 5001.2 | 5084.2 | 5165.1 | 5106.1 | 5044.9 | 5051.4 | 5058.0 | 5138.8 | 5217.5 | 5287.4 |
| 15° | 3856.3 | 3900.0 | 3959.0 | 4015.8 | 4018.0 | 4018.0 | 4074.8 | 4129.4 | 4122.9 | 4116.3 | 4164.4 |
| 17.5° | 3192.1 | 3248.9 | 3255.5 | 3262.0 | 3264.2 | 3266.4 | 3262.0 | 3257.7 | 3224.9 | 3192.1 | 3229.2 |
| 20° | 2733.3 | 2752.9 | 2770.4 | 2785.7 | 2766.1 | 2744.2 | 2689.6 | 2635.0 | 2613.1 | 2591.3 | 2626.2 |
| 22.5° | 2486.4 | 2521.3 | 2503.9 | 2484.2 | 2444.9 | 2403.4 | 2361.9 | 2318.2 | 2316.0 | 2311.6 | 2331.3 |
| 25° | 2278.8 | 2307.2 | 2276.6 | 2246.1 | 2217.7 | 2189.2 | 2160.8 | 2132.4 | 2130.3 | 2128.1 | 2136.8 |
| 27.5° | 2106.2 | 2132.4 | 2104.0 | 2075.6 | 2051.6 | 2027.6 | 2005.7 | 1983.9 | 1979.5 | 1975.1 | 1977.3 |
| 30° | 1957.7 | 1981.7 | 1957.7 | 1931.4 | 1914.0 | 1894.3 | 1879.0 | 1863.7 | 1861.5 | 1859.3 | 1859.3 |
| 32.5° | 1824.4 | 1848.4 | 1830.9 | 1813.4 | 1798.2 | 1782.9 | 1771.9 | 1761.0 | 1750.1 | 1739.2 | 1715.1 |
| 35° | 1708.6 | 1732.6 | 1721.7 | 1708.6 | 1691.1 | 1673.6 | 1654.0 | 1632.1 | 1603.7 | 1573.1 | 1560.0 |
| 37.5° | 1610.3 | 1634.3 | 1623.4 | 1612.4 | 1588.4 | 1564.4 | 1529.4 | 1492.3 | 1483.5 | 1472.6 | 1470.4 |
| 40° | 1531.6 | 1568.7 | 1546.9 | 1522.9 | 1485.7 | 1448.6 | 1431.1 | 1413.6 | 1409.2 | 1404.9 | 1400.5 |
| 42.5° | 1444.2 | 1501.0 | 1461.7 | 1422.4 | 1387.4 | 1352.4 | 1348.1 | 1343.7 | 1341.5 | 1339.3 | 1339.3 |
| 45° | 1335.0 | 1396.1 | 1356.8 | 1315.3 | 1295.6 | 1276.0 | 1276.0 | 1276.0 | 1278.2 | 1278.2 | 1282.5 |
| 47.5° | 1232.3 | 1269.4 | 1249.8 | 1230.1 | 1219.2 | 1208.2 | 1210.4 | 1212.6 | 1219.2 | 1223.5 | 1234.5 |
| 50° | 1144.9 | 1158.0 | 1162.4 | 1164.5 | 1158.0 | 1151.4 | 1155.8 | 1158.0 | 1164.5 | 1168.9 | 1177.6 |
| 52.5° | 1081.5 | 1101.2 | 1101.2 | 1099.0 | 1099.0 | 1099.0 | 1103.4 | 1107.7 | 1114.3 | 1120.8 | 1129.6 |
| 55° | 1040.0 | 1068.4 | 1059.7 | 1050.9 | 1053.1 | 1053.1 | 1057.5 | 1061.9 | 1068.4 | 1072.8 | 1085.9 |
| 57.5° | 1000.7 | 1031.3 | 1022.5 | 1013.8 | 1013.8 | 1013.8 | 1016.0 | 1018.2 | 1024.7 | 1029.1 | 1037.8 |
| 60° | 954.8 | 985.4 | 976.6 | 965.7 | 967.9 | 970.1 | 972.3 | 972.3 | 976.6 | 978.8 | 978.8 |
| 62.5° | 900.2 | 930.8 | 922.0 | 911.1 | 917.6 | 922.0 | 922.0 | 922.0 | 926.4 | 928.6 | 922.0 |
| 65° | 843.4 | 871.8 | 863.0 | 854.3 | 863.0 | 869.6 | 874.0 | 876.1 | 874.0 | 871.8 | 865.2 |
| 67.5° | 782.2 | 810.6 | 801.9 | 790.9 | 801.9 | 810.6 | 819.3 | 825.9 | 819.3 | 812.8 | 804.0 |
| 70° | 716.6 | 745.0 | 734.1 | 723.2 | 734.1 | 745.0 | 753.8 | 762.5 | 753.8 | 745.0 | 742.9 |
| 72.5° | 646.7 | 679.5 | 666.4 | 653.3 | 666.4 | 679.5 | 683.9 | 688.2 | 681.7 | 675.1 | 670.8 |
| 75° | 570.3 | 603.0 | 592.1 | 579.0 | 589.9 | 600.8 | 603.0 | 605.2 | 605.2 | 603.0 | 589.9 |
| 77.5° | 489.4 | 515.6 | 509.1 | 502.5 | 509.1 | 515.6 | 515.6 | 515.6 | 517.8 | 517.8 | 500.3 |
| 80° | 393.3 | 408.6 | 410.8 | 412.9 | 415.1 | 417.3 | 415.1 | 412.9 | 408.6 | 404.2 | 393.3 |
| 82.5° | 292.8 | 292.8 | 310.3 | 325.5 | 325.5 | 323.4 | 321.2 | 316.8 | 308.1 | 297.1 | 273.1 |
| 85° | 185.7 | 174.8 | 203.2 | 229.4 | 229.4 | 227.2 | 222.9 | 216.3 | 198.8 | 179.2 | 159.5 |
| 87.5° | 63.4 | 52.4 | 80.8 | 109.2 | 111.4 | 111.4 | 107.1 | 102.7 | 85.2 | 65.5 | 50.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 14411.5 | 14439.9 | 14466.1 | 14680.2 | 14892.1 | 15141.2 | 15390.3 | 15580.4 | 15768.3 | 15962.7 | 16157.2 |
| 5° | 11525.2 | 11560.2 | 11595.1 | 11855.1 | 12113.0 | 12460.4 | 12807.8 | 13107.1 | 13406.4 | 13758.2 | 14109.9 |
| 7.5° | 8542.9 | 8619.3 | 8693.6 | 8971.1 | 9246.4 | 9620.0 | 9991.4 | 10382.5 | 10771.4 | 11230.3 | 11689.1 |
| 10° | 6709.8 | 6854.0 | 6996.0 | 7280.0 | 7564.0 | 7933.3 | 8300.4 | 8708.9 | 9117.5 | 9569.8 | 10019.8 |
| 12.5° | 5431.6 | 5623.9 | 5814.0 | 6154.8 | 6495.6 | 6937.0 | 7376.1 | 7830.6 | 8282.9 | 8680.5 | 9078.2 |
| 15° | 4291.1 | 4500.8 | 4708.4 | 5068.9 | 5429.4 | 5914.5 | 6397.3 | 6893.3 | 7387.1 | 7863.4 | 8339.7 |
| 17.5° | 3347.2 | 3519.8 | 3690.3 | 3996.1 | 4299.8 | 4769.6 | 5239.3 | 5759.3 | 6279.3 | 6860.5 | 7439.5 |
| 20° | 2700.5 | 2772.6 | 2844.7 | 3065.4 | 3283.9 | 3666.2 | 4046.4 | 4577.3 | 5108.2 | 5803.0 | 6497.8 |
| 22.5° | 2366.2 | 2403.4 | 2438.3 | 2545.4 | 2650.3 | 2897.1 | 3141.9 | 3611.6 | 4079.2 | 4837.3 | 5593.3 |
| 25° | 2165.2 | 2193.6 | 2222.0 | 2291.9 | 2361.9 | 2479.8 | 2597.8 | 2927.7 | 3257.7 | 4002.7 | 4745.6 |
| 27.5° | 1983.9 | 2027.6 | 2069.1 | 2101.9 | 2132.4 | 2213.3 | 2291.9 | 2508.2 | 2724.5 | 3419.3 | 4111.9 |
| 30° | 1852.8 | 1868.1 | 1883.4 | 1933.6 | 1981.7 | 2064.7 | 2147.7 | 2298.5 | 2449.2 | 3037.0 | 3622.5 |
| 32.5° | 1699.8 | 1721.7 | 1743.5 | 1796.0 | 1848.4 | 1924.9 | 2001.3 | 2123.7 | 2243.9 | 2746.4 | 3246.7 |
| 35° | 1562.2 | 1584.0 | 1605.9 | 1658.3 | 1708.6 | 1791.6 | 1872.4 | 1975.1 | 2075.6 | 2512.6 | 2949.6 |
| 37.5° | 1477.0 | 1498.8 | 1520.7 | 1566.6 | 1610.3 | 1693.3 | 1774.1 | 1855.0 | 1933.6 | 2337.8 | 2742.0 |
| 40° | 1404.9 | 1426.7 | 1448.6 | 1492.3 | 1533.8 | 1614.6 | 1693.3 | 1761.0 | 1828.7 | 2206.7 | 2584.7 |
| 42.5° | 1341.5 | 1365.5 | 1389.6 | 1433.3 | 1474.8 | 1546.9 | 1619.0 | 1708.6 | 1796.0 | 2093.1 | 2388.1 |
| 45° | 1289.1 | 1313.1 | 1335.0 | 1383.0 | 1431.1 | 1501.0 | 1570.9 | 1695.5 | 1820.0 | 2034.1 | 2248.2 |
| 47.5° | 1241.0 | 1267.2 | 1291.3 | 1343.7 | 1396.1 | 1483.5 | 1568.7 | 1673.6 | 1776.3 | 1988.2 | 2200.2 |
| 50° | 1195.1 | 1225.7 | 1256.3 | 1319.7 | 1380.8 | 1527.2 | 1671.4 | 1686.7 | 1699.8 | 1951.1 | 2200.2 |
| 52.5° | 1151.4 | 1186.4 | 1221.3 | 1300.0 | 1376.5 | 1546.9 | 1717.3 | 1662.7 | 1605.9 | 1881.2 | 2156.5 |
| 55° | 1107.7 | 1138.3 | 1166.7 | 1262.9 | 1359.0 | 1483.5 | 1608.1 | 1536.0 | 1461.7 | 1750.1 | 2038.5 |
| 57.5° | 1048.7 | 1081.5 | 1112.1 | 1214.8 | 1317.5 | 1404.9 | 1490.1 | 1424.5 | 1356.8 | 1601.5 | 1844.0 |
| 60° | 987.6 | 1024.7 | 1061.9 | 1192.9 | 1321.9 | 1306.6 | 1289.1 | 1276.0 | 1260.7 | 1435.5 | 1610.3 |
| 62.5° | 932.9 | 972.3 | 1011.6 | 1182.0 | 1352.4 | 1247.6 | 1142.7 | 1153.6 | 1162.4 | 1291.3 | 1420.2 |
| 65° | 878.3 | 917.6 | 954.8 | 1040.0 | 1125.2 | 1083.7 | 1042.2 | 1059.7 | 1075.0 | 1201.7 | 1328.4 |
| 67.5° | 817.1 | 852.1 | 884.9 | 913.3 | 941.7 | 946.1 | 950.4 | 967.9 | 985.4 | 1136.1 | 1284.7 |
| 70° | 749.4 | 777.8 | 806.2 | 825.9 | 843.4 | 852.1 | 858.7 | 880.5 | 902.4 | 1066.2 | 1230.1 |
| 72.5° | 672.9 | 697.0 | 718.8 | 736.3 | 753.8 | 760.3 | 764.7 | 786.6 | 808.4 | 983.2 | 1158.0 |
| 75° | 589.9 | 609.6 | 627.1 | 642.4 | 657.6 | 666.4 | 675.1 | 690.4 | 705.7 | 895.8 | 1083.7 |
| 77.5° | 498.2 | 517.8 | 535.3 | 548.4 | 559.3 | 568.1 | 574.6 | 594.3 | 614.0 | 773.4 | 930.8 |
| 80° | 388.9 | 412.9 | 434.8 | 445.7 | 454.5 | 456.6 | 456.6 | 474.1 | 491.6 | 605.2 | 716.6 |
| 82.5° | 275.3 | 301.5 | 325.5 | 334.3 | 343.0 | 343.0 | 343.0 | 362.7 | 382.4 | 458.8 | 533.1 |
| 85° | 161.7 | 190.1 | 216.3 | 225.0 | 233.8 | 238.2 | 240.3 | 249.1 | 255.6 | 310.3 | 362.7 |
| 87.5° | 50.3 | 74.3 | 96.1 | 100.5 | 104.9 | 113.6 | 122.4 | 124.5 | 124.5 | 161.7 | 198.8 |
| 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: P320422
 CATALOG NUMBER: GLEON-SA8D-760-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: P320422

CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 | 16648.8 |
| 2.5° | 16380.0 | 16602.9 | 16862.9 | 17120.7 | 17341.4 | 17562.0 | 17745.6 |
| 5° | 14557.8 | 15005.7 | 15554.1 | 16100.4 | 16587.6 | 17074.8 | 17640.7 |
| 7.5° | 12268.1 | 12847.1 | 13557.2 | 14267.3 | 14955.5 | 15641.5 | 16511.1 |
| 10° | 10609.8 | 11197.5 | 11949.1 | 12698.5 | 13472.0 | 14243.2 | 15226.4 |
| 12.5° | 9556.7 | 10033.0 | 10760.5 | 11488.1 | 12397.0 | 13303.7 | 14249.8 |
| 15° | 8861.9 | 9381.9 | 10089.8 | 10797.7 | 11791.8 | 12785.9 | 13874.0 |
| 17.5° | 8121.2 | 8800.7 | 9707.4 | 10614.1 | 11791.8 | 12967.3 | 14249.8 |
| 20° | 7345.6 | 8191.1 | 9366.6 | 10542.0 | 12128.3 | 13712.3 | 15348.8 |
| 22.5° | 6572.1 | 7550.9 | 9058.5 | 10563.9 | 12637.3 | 14708.6 | 16917.5 |
| 25° | 5875.1 | 7004.7 | 8870.6 | 10734.3 | 13378.0 | 16019.5 | 18759.4 |
| 27.5° | 5346.4 | 6578.7 | 8794.1 | 11007.4 | 14317.5 | 17627.6 | 20762.9 |
| 30° | 4876.6 | 6130.8 | 8702.4 | 11274.0 | 15222.0 | 19167.9 | 22329.5 |
| 32.5° | 4470.3 | 5693.8 | 8525.4 | 11354.8 | 15853.5 | 20352.1 | 23655.7 |
| 35° | 4151.3 | 5353.0 | 8228.2 | 11103.5 | 16248.9 | 21394.3 | 25036.5 |
| 37.5° | 3876.0 | 5009.9 | 7889.6 | 10769.3 | 16600.7 | 22432.1 | 26590.0 |
| 40° | 3613.8 | 4642.9 | 7599.0 | 10553.0 | 17085.7 | 23618.5 | 28230.8 |
| 42.5° | 3364.7 | 4341.4 | 7365.2 | 10389.1 | 17535.8 | 24680.4 | 29666.3 |
| 45° | 3179.0 | 4109.8 | 7157.7 | 10203.4 | 17826.4 | 25449.5 | 30747.8 |
| 47.5° | 3087.2 | 3972.1 | 7046.2 | 10118.2 | 18117.0 | 26113.7 | 31645.8 |
| 50° | 3074.1 | 3948.1 | 7173.0 | 10397.8 | 18746.3 | 27092.5 | 32672.7 |
| 52.5° | 3071.9 | 3987.4 | 7537.8 | 11088.3 | 19915.2 | 28739.9 | 33784.8 |
| 55° | 3026.1 | 4011.4 | 7972.6 | 11931.6 | 21483.9 | 31034.0 | 35783.9 |
| 57.5° | 2886.2 | 3928.4 | 8420.5 | 12910.4 | 23142.2 | 33371.8 | 38036.5 |
| 60° | 2669.9 | 3727.4 | 8789.8 | 13849.9 | 24256.5 | 34660.9 | 38903.9 |
| 62.5° | 2399.0 | 3375.6 | 8912.1 | 14446.4 | 24225.9 | 34005.4 | 38030.0 |
| 65° | 2167.4 | 3006.4 | 8510.1 | 14011.6 | 23000.2 | 31986.6 | 36301.7 |
| 67.5° | 1962.0 | 2637.1 | 7505.1 | 12370.8 | 20795.7 | 29218.4 | 34103.8 |
| 70° | 1813.4 | 2394.6 | 6209.4 | 10024.2 | 18036.2 | 26045.9 | 31558.4 |
| 72.5° | 1719.5 | 2278.8 | 5062.4 | 7843.7 | 14636.5 | 21427.1 | 26994.2 |
| 75° | 1590.6 | 2097.5 | 3972.1 | 5844.5 | 11201.9 | 16559.2 | 20389.3 |
| 77.5° | 1350.3 | 1767.6 | 2993.3 | 4219.0 | 8219.5 | 12217.8 | 14179.9 |
| 80° | 1042.2 | 1365.5 | 2058.2 | 2750.8 | 5656.6 | 8562.5 | 9668.1 |
| 82.5° | 742.9 | 952.6 | 1247.6 | 1542.5 | 3758.0 | 5971.3 | 6063.0 |
| 85° | 458.8 | 555.0 | 714.5 | 874.0 | 2486.4 | 4098.8 | 3415.0 |
| 87.5° | 246.9 | 295.0 | 378.0 | 458.8 | 795.3 | 1131.8 | 651.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 92.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 95° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 97.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 100° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 102.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 105° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 107.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 110° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P320422
 CATALOG NUMBER: GLEON-SA8D-760-U-SLL

CANDELA DISTRIBUTION (continued):

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

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



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

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-9-R4

Test Date: 10/23/2019

Luminaire Tested: SA1C-760-U-5WQ

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

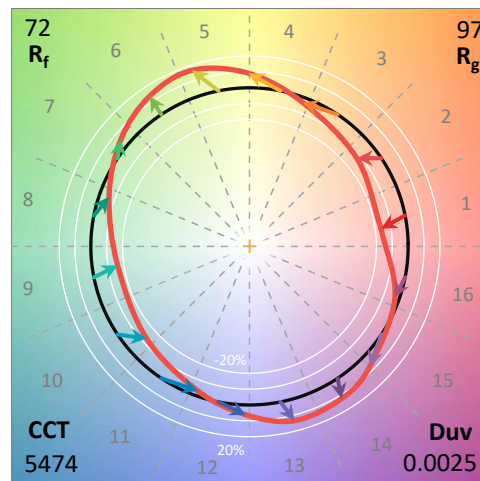
Test Information

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

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

Spectral Parameters

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



Test Conditions

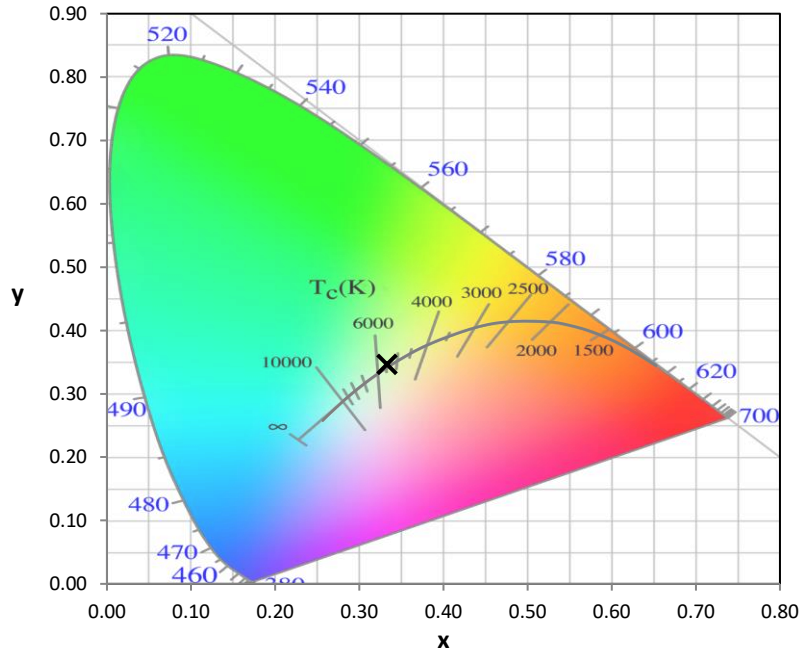
Stabilization Time: 240M
 Operation Time: 12H
 Room Temperature (°C) / RH%: 24.6/31%
 Sphere Temperature (°C): 25.9

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

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

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

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 5700K 4-step quadrangle

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

Photopic Flux vs. Wavelength



#####

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

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

Scotopic Flux vs. Wavelength

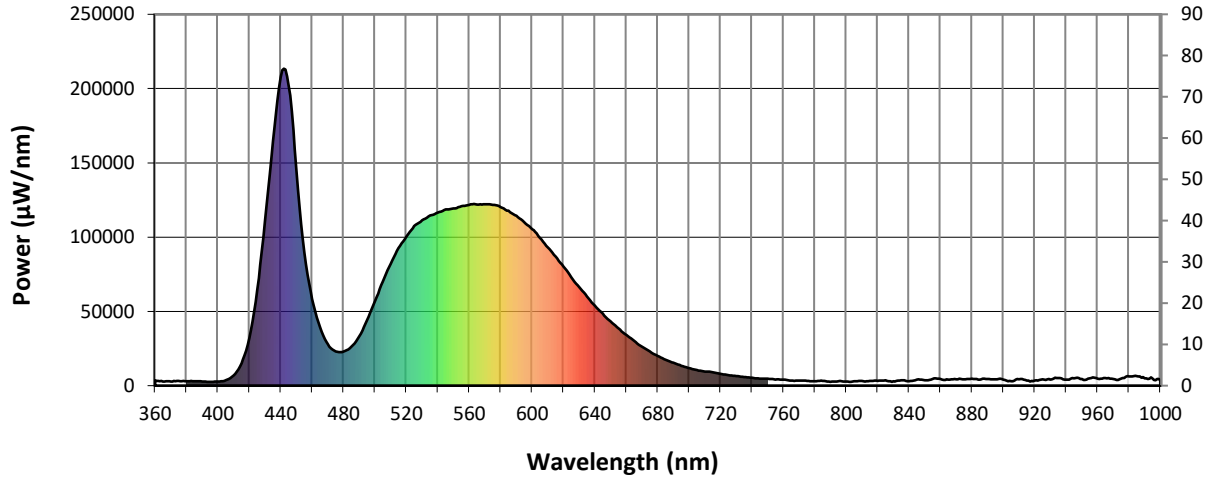


Scotopic Lumens: 13759.3 S/P: 1.85

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

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

Melanopic Flux vs. Wavelength



Melanopic Lumens: 5527.6 M/P: 0.74

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

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

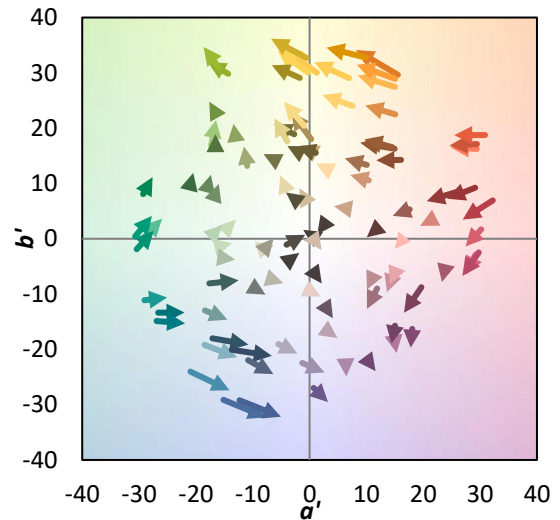
TM-30-18

Summary

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



Color Vector Graphics



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

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



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Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)