

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: P320693

Luminaire Tested: **GLEON-SA9C-750-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320693  
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-SA9C-750-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 55569 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B4 - U0 - G5

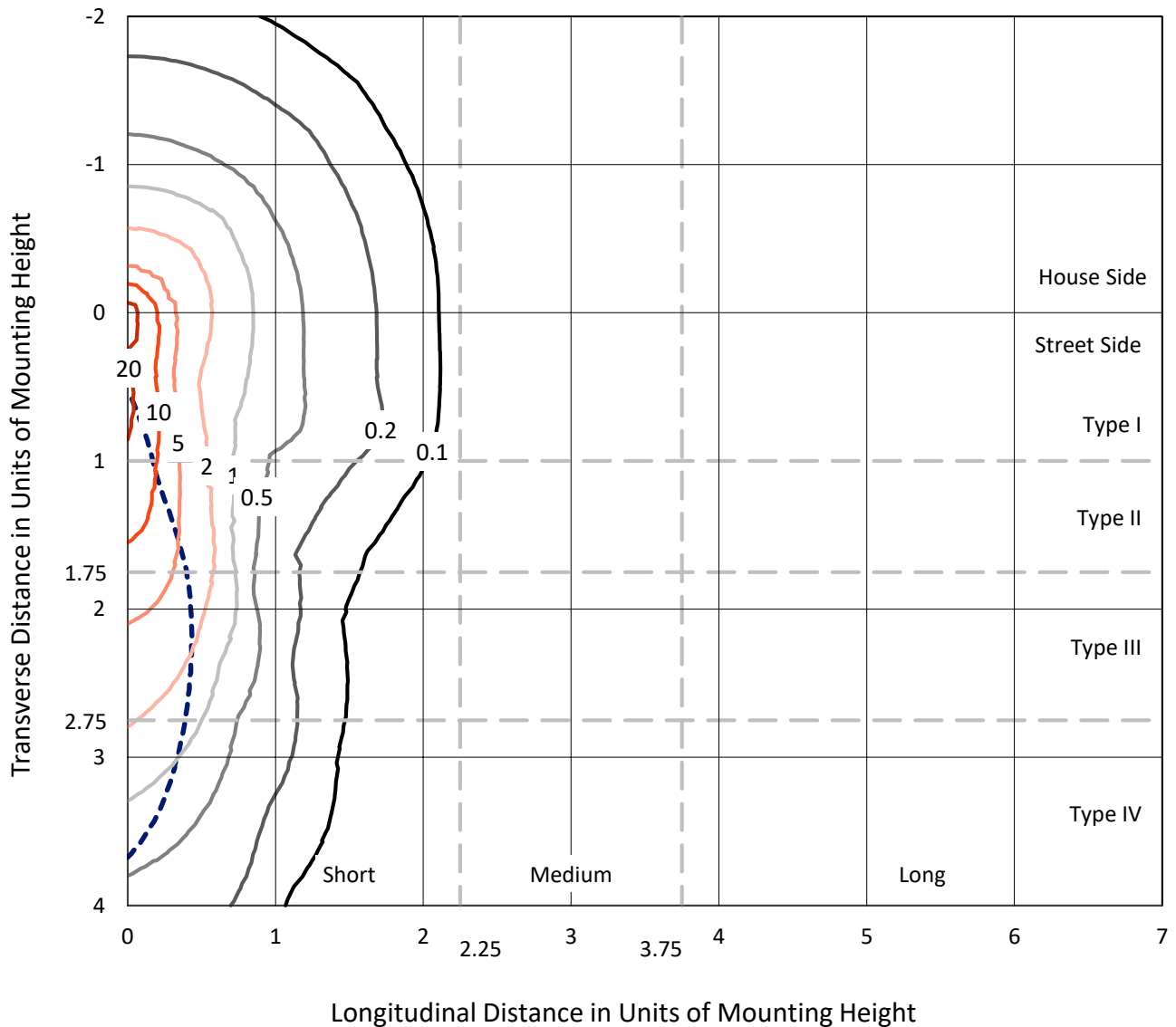
Input Watts (W): 501  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

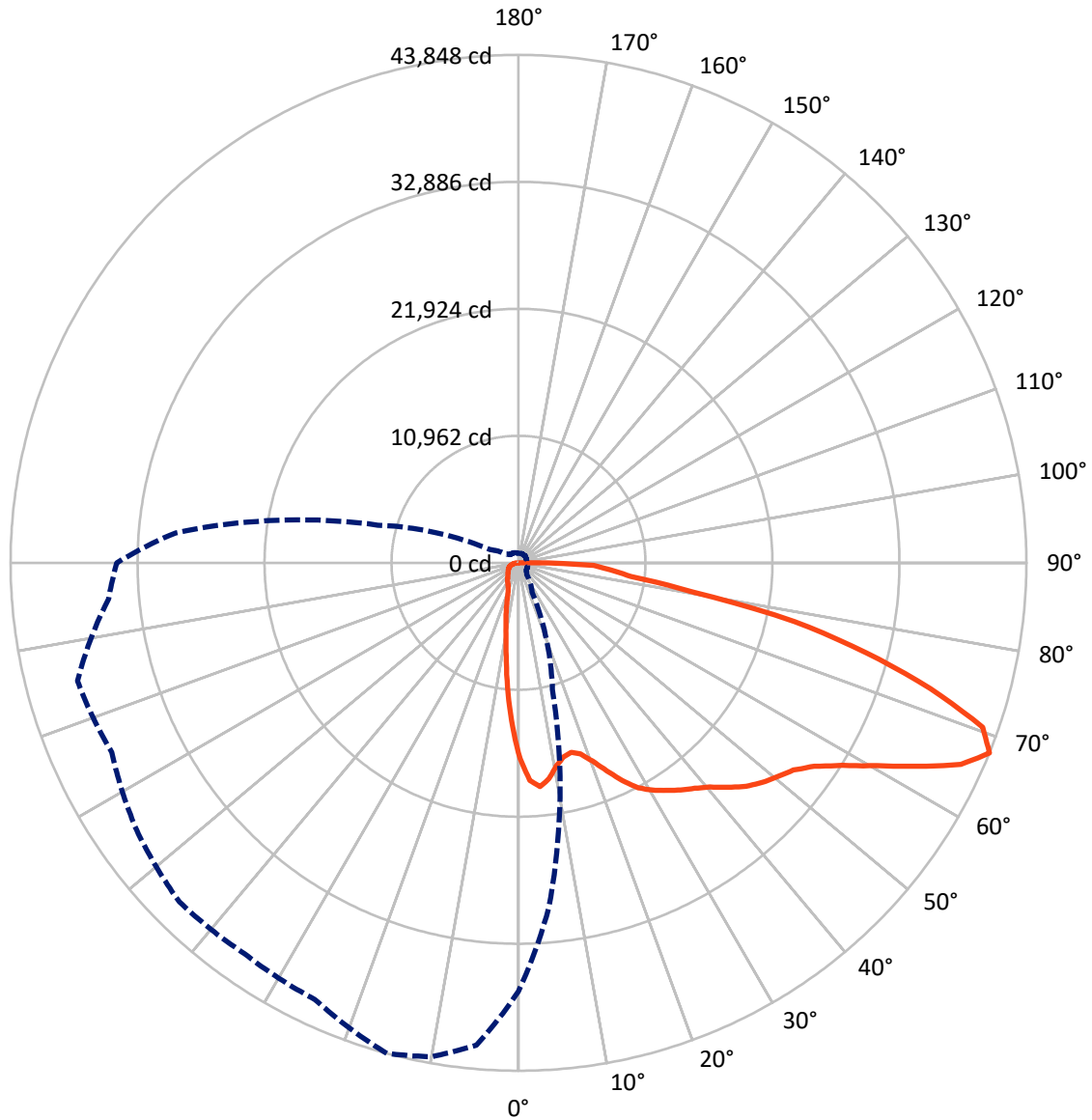
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 27.1 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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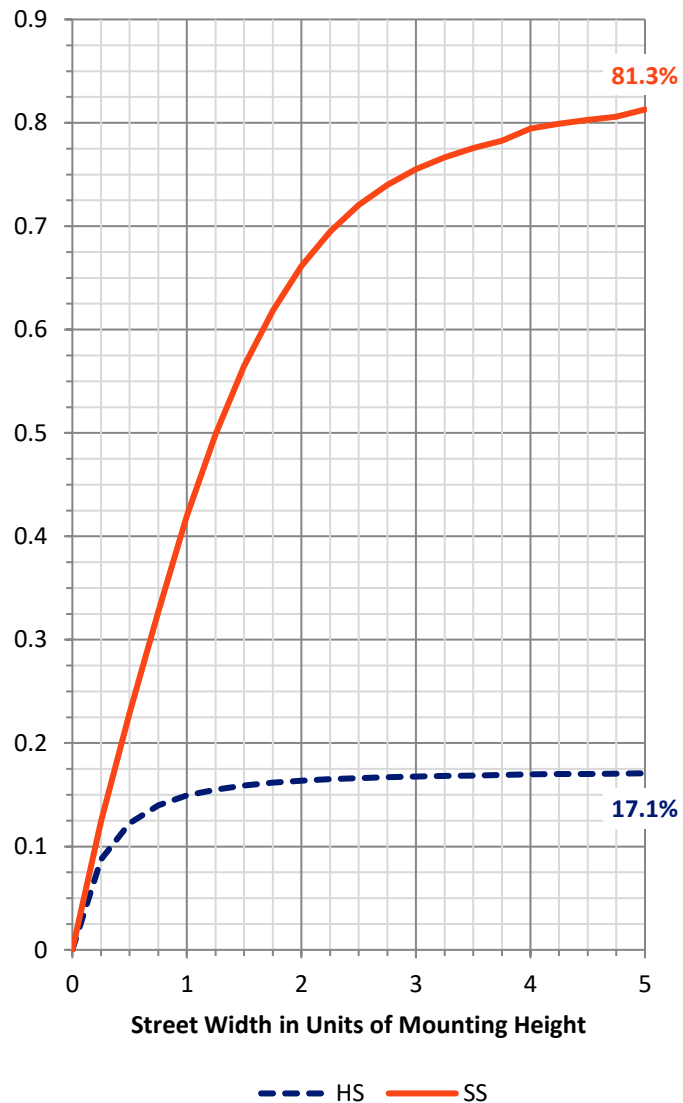
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 9606.7   | 0.0    | 9606.7  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 45962.3  | 0.0    | 45962.3 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 55569.0  | 0.0    | 55569.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 1306.6  | 2.4       |
| 10°-20°   | 2714.3  | 4.9       |
| 20°-30°   | 3860.3  | 6.9       |
| 30°-40°   | 5562.6  | 10.0      |
| 40°-50°   | 7839.4  | 14.1      |
| 50°-60°   | 10898.1 | 19.6      |
| 60°-70°   | 13179.0 | 23.7      |
| 70°-80°   | 8100.9  | 14.6      |
| 80°-90°   | 2107.9  | 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°    | 55569.0 | 100.0     |
| 0°-180°   | 55569.0 | 100.0     |

**Coefficient of Utilization**

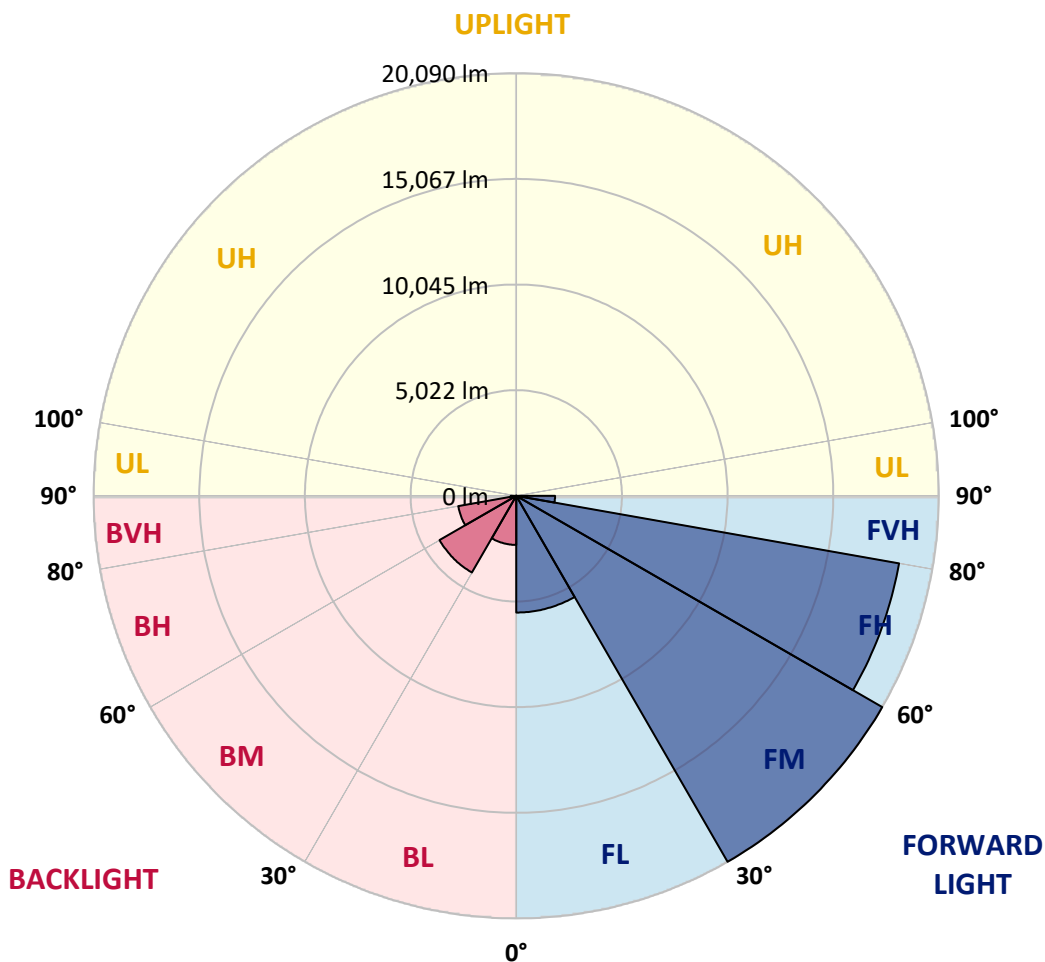


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 5548.7  | 10.0      |                         |      |         |
| FM (30°-60°)   | 20089.6 | 36.2      |                         |      |         |
| FH (60°-80°)   | 18480.4 | 33.3      |                         |      | G5      |
| FVH (80°-90°)  | 1843.7  | 3.3       |                         |      | G5      |
| BL (0°-30°)    | 2332.4  | 4.2       | B3/2500                 |      |         |
| BM (30°-60°)   | 4210.5  | 7.6       | B3/5000                 |      |         |
| BH (60°-80°)   | 2799.6  | 5.0       | B4/5000                 |      | G4/5000 |
| BVH (80°-90°)  | 264.2   | 0.5       |                         |      | 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 IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 18135.9 | 17975.9 | 17733.7 | 17491.6 | 17311.6 | 17129.4 | 16922.8 | 16716.2 | 16480.7 | 16243.0 | 16103.0 |
| 5°     | 17835.9 | 17391.6 | 16814.0 | 16236.3 | 15854.2 | 15472.0 | 15038.8 | 14605.6 | 14176.8 | 13748.0 | 13516.9 |
| 7.5°   | 16485.1 | 15818.6 | 15067.7 | 14316.7 | 13761.3 | 13203.7 | 12603.8 | 12001.7 | 11468.5 | 10933.1 | 10602.0 |
| 10°    | 15156.6 | 14356.7 | 13494.7 | 12630.5 | 11919.5 | 11208.6 | 10606.5 | 10002.2 | 9600.0  | 9197.9  | 8893.5  |
| 12.5°  | 14203.4 | 13317.0 | 12368.3 | 11417.4 | 10706.5 | 9995.5  | 9613.4  | 9231.2  | 8898.0  | 8564.7  | 8213.7  |
| 15°    | 13825.7 | 12823.7 | 11852.9 | 10879.7 | 10233.2 | 9586.7  | 9162.4  | 8735.8  | 8289.2  | 7840.4  | 7409.4  |
| 17.5°  | 14159.0 | 12985.9 | 11930.6 | 10875.3 | 10028.8 | 9182.4  | 8589.2  | 7993.7  | 7405.0  | 6816.2  | 6316.3  |
| 20°    | 15198.8 | 13701.3 | 12321.6 | 10939.7 | 9813.3  | 8686.9  | 7891.5  | 7093.9  | 6338.6  | 5583.2  | 5016.6  |
| 22.5°  | 16658.4 | 14676.7 | 12874.8 | 11073.0 | 9617.8  | 8160.4  | 7162.8  | 6163.0  | 5269.9  | 4376.8  | 3821.4  |
| 25°    | 18431.4 | 15969.7 | 13672.4 | 11373.0 | 9537.8  | 7700.5  | 6474.1  | 5247.7  | 4305.7  | 3361.5  | 2966.0  |
| 27.5°  | 20299.8 | 17511.6 | 14663.3 | 11812.9 | 9551.2  | 7289.5  | 5894.2  | 4496.8  | 3648.1  | 2799.4  | 2528.3  |
| 30°    | 21857.2 | 19273.4 | 15818.6 | 12361.6 | 9602.3  | 6842.9  | 5347.7  | 3852.5  | 3152.6  | 2452.8  | 2277.3  |
| 32.5°  | 23281.4 | 20502.0 | 16689.5 | 12874.8 | 9660.0  | 6443.0  | 4925.5  | 3405.9  | 2834.9  | 2261.7  | 2117.3  |
| 35°    | 24752.1 | 21592.9 | 17298.3 | 13001.5 | 9560.0  | 6116.4  | 4636.7  | 3157.1  | 2630.5  | 2101.7  | 1979.5  |
| 37.5°  | 26371.8 | 22772.6 | 17884.8 | 12994.8 | 9391.2  | 5787.6  | 4412.3  | 3034.9  | 2497.2  | 1957.3  | 1868.5  |
| 40°    | 28178.0 | 24076.7 | 18520.2 | 12963.7 | 9237.9  | 5509.9  | 4245.7  | 2979.3  | 2423.9  | 1866.2  | 1790.7  |
| 42.5°  | 29944.3 | 25320.9 | 19111.2 | 12901.5 | 9113.5  | 5323.2  | 4081.3  | 2839.4  | 2357.2  | 1872.9  | 1766.3  |
| 45°    | 31270.7 | 26407.3 | 19624.4 | 12839.3 | 9020.2  | 5201.0  | 3952.4  | 2703.8  | 2295.0  | 1886.2  | 1750.7  |
| 47.5°  | 32277.1 | 27498.2 | 20193.2 | 12886.0 | 9011.3  | 5136.6  | 3861.3  | 2586.1  | 2177.3  | 1766.3  | 1710.7  |
| 50°    | 33556.8 | 28809.0 | 21021.9 | 13234.8 | 9133.5  | 5032.2  | 3754.7  | 2475.0  | 2064.0  | 1653.0  | 1728.5  |
| 52.5°  | 35149.8 | 30679.7 | 22306.0 | 13930.2 | 9389.0  | 4847.8  | 3585.9  | 2323.9  | 1926.2  | 1526.3  | 1644.1  |
| 55°    | 37489.2 | 33076.9 | 23947.9 | 14816.6 | 9697.8  | 4576.7  | 3330.4  | 2081.7  | 1744.0  | 1404.1  | 1508.5  |
| 57.5°  | 39588.8 | 35498.6 | 25523.1 | 15545.4 | 9891.1  | 4234.6  | 3008.2  | 1781.8  | 1539.6  | 1297.5  | 1357.5  |
| 60°    | 40524.1 | 36747.2 | 26260.7 | 15772.0 | 9775.6  | 3779.1  | 2646.1  | 1510.8  | 1359.7  | 1208.6  | 1197.5  |
| 62.5°  | 40159.8 | 35954.0 | 25534.2 | 15114.3 | 9211.2  | 3308.1  | 2326.1  | 1344.1  | 1230.8  | 1115.3  | 1090.9  |
| 65°    | 39093.3 | 33461.3 | 23499.1 | 13536.9 | 8258.1  | 2979.3  | 2124.0  | 1268.6  | 1142.0  | 1015.3  | 988.7   |
| 67.5°  | 36991.6 | 29913.2 | 20615.3 | 11317.4 | 7047.3  | 2777.1  | 2008.4  | 1239.7  | 1086.4  | 930.9   | 899.8   |
| 70°    | 33219.1 | 25643.1 | 17293.8 | 8942.4  | 5798.7  | 2652.7  | 1932.9  | 1213.1  | 1026.4  | 837.6   | 808.7   |
| 72.5°  | 27284.9 | 20559.8 | 13810.2 | 7058.4  | 4847.8  | 2637.2  | 1924.0  | 1210.8  | 977.6   | 744.3   | 717.6   |
| 75°    | 19535.6 | 15616.4 | 10542.0 | 5465.4  | 3970.2  | 2475.0  | 1826.3  | 1177.5  | 910.9   | 642.1   | 617.6   |
| 77.5°  | 13145.9 | 10808.7 | 7327.2  | 3843.6  | 2946.0  | 2048.4  | 1535.2  | 1022.0  | 779.8   | 537.7   | 513.2   |
| 80°    | 8442.5  | 7480.5  | 4910.0  | 2339.5  | 1910.7  | 1481.9  | 1097.5  | 713.2   | 568.8   | 422.1   | 402.1   |
| 82.5°  | 6194.1  | 5567.6  | 3412.6  | 1257.5  | 1062.0  | 864.2   | 671.0   | 477.7   | 388.8   | 299.9   | 291.0   |
| 85°    | 3936.9  | 4341.2  | 2512.8  | 684.3   | 559.9   | 435.5   | 359.9   | 284.4   | 224.4   | 164.4   | 164.4   |
| 87.5°  | 764.3   | 1057.5  | 695.4   | 331.0   | 242.2   | 153.3   | 131.1   | 106.6   | 60.0    | 11.1    | 13.3    |
| 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     |



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**CANDELA DISTRIBUTION (continued):**

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





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**CANDELA DISTRIBUTION (continued):**

|        | 55°     | 60°     | 65°     | 70°     | 75°     | 80°     | 85°     | 90°     | 95°     | 100°    | 105°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 15960.8 | 15807.5 | 15654.2 | 15480.9 | 15305.4 | 15143.2 | 14978.8 | 14798.9 | 14832.2 | 14694.4 | 14556.7 |
| 5°     | 13285.9 | 13041.5 | 12794.9 | 12581.6 | 12368.3 | 12183.9 | 11997.3 | 11830.6 | 11975.1 | 11877.3 | 11779.5 |
| 7.5°   | 10268.8 | 9966.6  | 9662.2  | 9406.7  | 9151.3  | 8953.5  | 8753.6  | 8615.8  | 8758.0  | 8740.2  | 8722.5  |
| 10°    | 8589.2  | 8295.9  | 8000.4  | 7718.2  | 7436.1  | 7196.1  | 6954.0  | 6749.6  | 6714.0  | 6611.8  | 6507.4  |
| 12.5°  | 7860.4  | 7458.3  | 7054.0  | 6758.5  | 6463.0  | 6176.4  | 5889.8  | 5649.8  | 5541.0  | 5372.1  | 5201.0  |
| 15°    | 6978.4  | 6503.0  | 6027.5  | 5692.0  | 5354.3  | 5076.6  | 4796.7  | 4590.1  | 4521.2  | 4390.1  | 4259.0  |
| 17.5°  | 5816.5  | 5296.6  | 4776.7  | 4436.8  | 4094.6  | 3872.5  | 3648.1  | 3510.3  | 3510.3  | 3472.5  | 3434.8  |
| 20°    | 4450.1  | 3985.8  | 3521.4  | 3261.5  | 3001.5  | 2883.8  | 2763.8  | 2706.1  | 2723.8  | 2726.0  | 2726.0  |
| 22.5°  | 3263.7  | 2979.3  | 2694.9  | 2590.5  | 2483.9  | 2441.7  | 2399.5  | 2375.0  | 2383.9  | 2386.1  | 2388.3  |
| 25°    | 2570.5  | 2461.7  | 2350.6  | 2297.3  | 2241.7  | 2215.1  | 2188.4  | 2179.5  | 2199.5  | 2201.7  | 2201.7  |
| 27.5°  | 2257.3  | 2190.6  | 2121.7  | 2088.4  | 2052.9  | 2041.8  | 2030.6  | 2015.1  | 2035.1  | 2035.1  | 2032.9  |
| 30°    | 2099.5  | 2028.4  | 1957.3  | 1915.1  | 1872.9  | 1877.4  | 1879.6  | 1875.1  | 1888.5  | 1897.3  | 1904.0  |
| 32.5°  | 1970.7  | 1901.8  | 1832.9  | 1790.7  | 1746.3  | 1739.6  | 1732.9  | 1728.5  | 1757.4  | 1772.9  | 1788.5  |
| 35°    | 1855.1  | 1779.6  | 1704.1  | 1664.1  | 1624.1  | 1608.5  | 1593.0  | 1581.9  | 1608.5  | 1628.5  | 1648.5  |
| 37.5°  | 1777.4  | 1699.6  | 1619.6  | 1581.9  | 1541.9  | 1521.9  | 1501.9  | 1488.6  | 1499.7  | 1508.5  | 1517.4  |
| 40°    | 1715.2  | 1635.2  | 1553.0  | 1508.5  | 1464.1  | 1444.1  | 1424.1  | 1413.0  | 1419.7  | 1421.9  | 1424.1  |
| 42.5°  | 1657.4  | 1579.6  | 1501.9  | 1453.0  | 1401.9  | 1377.5  | 1353.0  | 1339.7  | 1344.1  | 1348.6  | 1350.8  |
| 45°    | 1615.2  | 1537.4  | 1457.4  | 1399.7  | 1339.7  | 1313.0  | 1286.4  | 1270.8  | 1273.0  | 1273.0  | 1273.0  |
| 47.5°  | 1655.2  | 1541.9  | 1426.3  | 1359.7  | 1290.8  | 1259.7  | 1228.6  | 1213.1  | 1208.6  | 1204.2  | 1199.7  |
| 50°    | 1801.8  | 1608.5  | 1413.0  | 1328.6  | 1241.9  | 1208.6  | 1173.1  | 1155.3  | 1144.2  | 1139.7  | 1135.3  |
| 52.5°  | 1759.6  | 1593.0  | 1424.1  | 1315.3  | 1204.2  | 1164.2  | 1124.2  | 1095.3  | 1084.2  | 1077.5  | 1070.9  |
| 55°    | 1610.7  | 1506.3  | 1399.7  | 1268.6  | 1137.5  | 1102.0  | 1064.2  | 1044.2  | 1024.2  | 1019.8  | 1015.3  |
| 57.5°  | 1415.2  | 1373.0  | 1330.8  | 1197.5  | 1064.2  | 1030.9  | 995.3   | 982.0   | 964.2   | 964.2   | 962.0   |
| 60°    | 1184.2  | 1246.4  | 1308.6  | 1155.3  | 999.8   | 962.0   | 924.2   | 913.1   | 906.5   | 904.2   | 902.0   |
| 62.5°  | 1064.2  | 1166.4  | 1266.4  | 1104.2  | 939.8   | 899.8   | 859.8   | 846.5   | 844.3   | 846.5   | 846.5   |
| 65°    | 962.0   | 993.1   | 1024.2  | 948.7   | 873.1   | 833.1   | 790.9   | 777.6   | 782.0   | 788.7   | 795.4   |
| 67.5°  | 868.7   | 862.0   | 855.4   | 828.7   | 799.8   | 766.5   | 730.9   | 717.6   | 719.8   | 728.7   | 737.6   |
| 70°    | 779.8   | 770.9   | 759.8   | 739.8   | 719.8   | 691.0   | 662.1   | 653.2   | 651.0   | 662.1   | 671.0   |
| 72.5°  | 691.0   | 679.8   | 666.5   | 651.0   | 633.2   | 608.8   | 584.3   | 577.6   | 579.9   | 586.5   | 593.2   |
| 75°    | 593.2   | 584.3   | 573.2   | 559.9   | 544.3   | 522.1   | 499.9   | 495.4   | 499.9   | 506.6   | 513.2   |
| 77.5°  | 486.6   | 484.3   | 479.9   | 468.8   | 457.7   | 433.2   | 406.6   | 404.4   | 411.0   | 417.7   | 422.1   |
| 80°    | 379.9   | 382.1   | 384.4   | 375.5   | 366.6   | 339.9   | 311.0   | 308.8   | 315.5   | 322.1   | 328.8   |
| 82.5°  | 279.9   | 286.6   | 291.0   | 279.9   | 268.8   | 237.7   | 206.6   | 202.2   | 224.4   | 231.1   | 237.7   |
| 85°    | 162.2   | 171.1   | 180.0   | 171.1   | 162.2   | 131.1   | 100.0   | 97.8    | 117.8   | 128.9   | 140.0   |
| 87.5°  | 13.3    | 17.8    | 22.2    | 20.0    | 17.8    | 8.9     | 0.0     | 0.0     | 2.2     | 11.1    | 20.0    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320693  
 CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 14470.0 | 14383.4 | 14356.7 | 14330.1 | 14232.3 | 14132.3 | 14234.5 | 14334.5 | 14376.7 | 14418.9 | 14310.1 |
| 5°     | 11766.2 | 11750.7 | 11750.7 | 11748.4 | 11659.6 | 11568.5 | 11637.4 | 11704.0 | 11555.1 | 11406.3 | 11390.7 |
| 7.5°   | 8818.0  | 8913.5  | 8991.3  | 9066.8  | 9037.9  | 9009.1  | 9073.5  | 9137.9  | 8949.1  | 8758.0  | 8664.7  |
| 10°    | 6529.6  | 6549.6  | 6634.0  | 6718.5  | 6738.5  | 6756.2  | 6836.2  | 6914.0  | 6767.3  | 6620.7  | 6556.3  |
| 12.5°  | 5094.4  | 4987.8  | 4998.9  | 5007.7  | 5047.7  | 5085.5  | 5169.9  | 5252.1  | 5192.2  | 5129.9  | 5136.6  |
| 15°    | 4125.7  | 3990.2  | 3934.7  | 3876.9  | 3921.3  | 3965.8  | 4025.8  | 4083.5  | 4085.7  | 4085.7  | 4143.5  |
| 17.5°  | 3368.1  | 3299.2  | 3243.7  | 3185.9  | 3245.9  | 3303.7  | 3310.4  | 3317.0  | 3319.2  | 3321.5  | 3317.0  |
| 20°    | 2759.4  | 2792.7  | 2774.9  | 2757.2  | 2779.4  | 2799.4  | 2817.1  | 2832.7  | 2812.7  | 2790.5  | 2734.9  |
| 22.5°  | 2419.4  | 2448.3  | 2470.5  | 2490.5  | 2528.3  | 2563.9  | 2546.1  | 2526.1  | 2486.1  | 2443.9  | 2401.7  |
| 25°    | 2221.7  | 2241.7  | 2263.9  | 2286.1  | 2317.3  | 2346.1  | 2315.0  | 2283.9  | 2255.0  | 2226.2  | 2197.3  |
| 27.5°  | 2055.1  | 2075.1  | 2095.1  | 2112.9  | 2141.7  | 2168.4  | 2139.5  | 2110.6  | 2086.2  | 2061.8  | 2039.5  |
| 30°    | 1919.6  | 1932.9  | 1948.4  | 1964.0  | 1990.7  | 2015.1  | 1990.7  | 1964.0  | 1946.2  | 1926.2  | 1910.7  |
| 32.5°  | 1804.0  | 1817.4  | 1824.0  | 1830.7  | 1855.1  | 1879.6  | 1861.8  | 1844.0  | 1828.5  | 1812.9  | 1801.8  |
| 35°    | 1677.4  | 1704.1  | 1708.5  | 1712.9  | 1737.4  | 1761.8  | 1750.7  | 1737.4  | 1719.6  | 1701.8  | 1681.8  |
| 37.5°  | 1548.5  | 1579.6  | 1597.4  | 1613.0  | 1637.4  | 1661.8  | 1650.7  | 1639.6  | 1615.2  | 1590.7  | 1555.2  |
| 40°    | 1439.7  | 1453.0  | 1486.3  | 1517.4  | 1557.4  | 1595.2  | 1573.0  | 1548.5  | 1510.8  | 1473.0  | 1455.2  |
| 42.5°  | 1348.6  | 1346.4  | 1377.5  | 1408.6  | 1468.6  | 1526.3  | 1486.3  | 1446.3  | 1410.8  | 1375.2  | 1370.8  |
| 45°    | 1268.6  | 1261.9  | 1277.5  | 1293.0  | 1357.5  | 1419.7  | 1379.7  | 1337.5  | 1317.5  | 1297.5  | 1297.5  |
| 47.5°  | 1197.5  | 1193.1  | 1204.2  | 1213.1  | 1253.0  | 1290.8  | 1270.8  | 1250.8  | 1239.7  | 1228.6  | 1230.8  |
| 50°    | 1133.1  | 1128.6  | 1139.7  | 1148.6  | 1164.2  | 1177.5  | 1182.0  | 1184.2  | 1177.5  | 1170.8  | 1175.3  |
| 52.5°  | 1073.1  | 1073.1  | 1077.5  | 1079.8  | 1099.7  | 1119.7  | 1119.7  | 1117.5  | 1117.5  | 1117.5  | 1122.0  |
| 55°    | 1022.0  | 1026.4  | 1026.4  | 1026.4  | 1057.5  | 1086.4  | 1077.5  | 1068.6  | 1070.9  | 1070.9  | 1075.3  |
| 57.5°  | 970.9   | 977.6   | 982.0   | 986.4   | 1017.5  | 1048.7  | 1039.8  | 1030.9  | 1030.9  | 1030.9  | 1033.1  |
| 60°    | 913.1   | 922.0   | 930.9   | 939.8   | 970.9   | 1002.0  | 993.1   | 982.0   | 984.2   | 986.4   | 988.7   |
| 62.5°  | 857.6   | 866.5   | 875.4   | 884.2   | 915.3   | 946.5   | 937.6   | 926.5   | 933.1   | 937.6   | 937.6   |
| 65°    | 804.3   | 810.9   | 819.8   | 828.7   | 857.6   | 886.5   | 877.6   | 868.7   | 877.6   | 884.2   | 888.7   |
| 67.5°  | 744.3   | 748.7   | 757.6   | 766.5   | 795.4   | 824.3   | 815.4   | 804.3   | 815.4   | 824.3   | 833.1   |
| 70°    | 675.4   | 679.8   | 691.0   | 699.8   | 728.7   | 757.6   | 746.5   | 735.4   | 746.5   | 757.6   | 766.5   |
| 72.5°  | 599.9   | 604.3   | 615.4   | 624.3   | 657.6   | 691.0   | 677.6   | 664.3   | 677.6   | 691.0   | 695.4   |
| 75°    | 517.7   | 522.1   | 535.4   | 546.5   | 579.9   | 613.2   | 602.1   | 588.8   | 599.9   | 611.0   | 613.2   |
| 77.5°  | 428.8   | 435.5   | 453.2   | 471.0   | 497.7   | 524.3   | 517.7   | 511.0   | 517.7   | 524.3   | 524.3   |
| 80°    | 335.5   | 342.1   | 364.4   | 384.4   | 399.9   | 415.5   | 417.7   | 419.9   | 422.1   | 424.3   | 422.1   |
| 82.5°  | 248.8   | 257.7   | 277.7   | 297.7   | 297.7   | 297.7   | 315.5   | 331.0   | 331.0   | 328.8   | 326.6   |
| 85°    | 153.3   | 164.4   | 182.2   | 200.0   | 188.8   | 177.7   | 206.6   | 233.3   | 233.3   | 231.1   | 226.6   |
| 87.5°  | 31.1    | 42.2    | 60.0    | 75.5    | 64.4    | 53.3    | 82.2    | 111.1   | 113.3   | 113.3   | 108.9   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320693  
 CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**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: P320693

CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 14199.0 | 14372.3 | 14543.4 | 14587.8 | 14654.4 | 14683.3 | 14710.0 | 14927.7 | 15143.2 | 15396.5 | 15649.8 |
| 5°     | 11373.0 | 11501.8 | 11630.7 | 11650.7 | 11719.6 | 11755.1 | 11790.7 | 12055.0 | 12317.2 | 12670.5 | 13023.7 |
| 7.5°   | 8571.4  | 8602.5  | 8633.6  | 8629.1  | 8686.9  | 8764.7  | 8840.2  | 9122.4  | 9402.3  | 9782.2  | 10159.9 |
| 10°    | 6491.9  | 6563.0  | 6631.8  | 6696.3  | 6822.9  | 6969.5  | 7113.9  | 7402.8  | 7691.6  | 8067.1  | 8440.3  |
| 12.5°  | 5143.3  | 5225.5  | 5305.5  | 5376.6  | 5523.2  | 5718.7  | 5912.0  | 6258.6  | 6605.2  | 7054.0  | 7500.5  |
| 15°    | 4199.0  | 4192.4  | 4185.7  | 4234.6  | 4363.5  | 4576.7  | 4787.8  | 5154.4  | 5521.0  | 6014.2  | 6505.2  |
| 17.5°  | 3312.6  | 3279.3  | 3245.9  | 3283.7  | 3403.7  | 3579.2  | 3752.5  | 4063.5  | 4372.3  | 4850.0  | 5327.7  |
| 20°    | 2679.4  | 2657.2  | 2635.0  | 2670.5  | 2746.0  | 2819.4  | 2892.7  | 3117.1  | 3339.2  | 3728.0  | 4114.6  |
| 22.5°  | 2357.2  | 2355.0  | 2350.6  | 2370.6  | 2406.1  | 2443.9  | 2479.4  | 2588.3  | 2694.9  | 2946.0  | 3194.8  |
| 25°    | 2168.4  | 2166.2  | 2164.0  | 2172.8  | 2201.7  | 2230.6  | 2259.5  | 2330.6  | 2401.7  | 2521.6  | 2641.6  |
| 27.5°  | 2017.3  | 2012.9  | 2008.4  | 2010.7  | 2017.3  | 2061.8  | 2104.0  | 2137.3  | 2168.4  | 2250.6  | 2330.6  |
| 30°    | 1895.1  | 1892.9  | 1890.7  | 1890.7  | 1884.0  | 1899.6  | 1915.1  | 1966.2  | 2015.1  | 2099.5  | 2183.9  |
| 32.5°  | 1790.7  | 1779.6  | 1768.5  | 1744.0  | 1728.5  | 1750.7  | 1772.9  | 1826.3  | 1879.6  | 1957.3  | 2035.1  |
| 35°    | 1659.6  | 1630.7  | 1599.6  | 1586.3  | 1588.5  | 1610.7  | 1633.0  | 1686.3  | 1737.4  | 1821.8  | 1904.0  |
| 37.5°  | 1517.4  | 1508.5  | 1497.4  | 1495.2  | 1501.9  | 1524.1  | 1546.3  | 1593.0  | 1637.4  | 1721.8  | 1804.0  |
| 40°    | 1437.5  | 1433.0  | 1428.6  | 1424.1  | 1428.6  | 1450.8  | 1473.0  | 1517.4  | 1559.6  | 1641.8  | 1721.8  |
| 42.5°  | 1366.4  | 1364.1  | 1361.9  | 1361.9  | 1364.1  | 1388.6  | 1413.0  | 1457.4  | 1499.7  | 1573.0  | 1646.3  |
| 45°    | 1297.5  | 1299.7  | 1299.7  | 1304.1  | 1310.8  | 1335.3  | 1357.5  | 1406.3  | 1455.2  | 1526.3  | 1597.4  |
| 47.5°  | 1233.1  | 1239.7  | 1244.2  | 1255.3  | 1261.9  | 1288.6  | 1313.0  | 1366.4  | 1419.7  | 1508.5  | 1595.2  |
| 50°    | 1177.5  | 1184.2  | 1188.6  | 1197.5  | 1215.3  | 1246.4  | 1277.5  | 1341.9  | 1404.1  | 1553.0  | 1699.6  |
| 52.5°  | 1126.4  | 1133.1  | 1139.7  | 1148.6  | 1170.8  | 1206.4  | 1241.9  | 1321.9  | 1399.7  | 1573.0  | 1746.3  |
| 55°    | 1079.8  | 1086.4  | 1090.9  | 1104.2  | 1126.4  | 1157.5  | 1186.4  | 1284.2  | 1381.9  | 1508.5  | 1635.2  |
| 57.5°  | 1035.3  | 1042.0  | 1046.4  | 1055.3  | 1066.4  | 1099.7  | 1130.9  | 1235.3  | 1339.7  | 1428.6  | 1515.2  |
| 60°    | 988.7   | 993.1   | 995.3   | 995.3   | 1004.2  | 1042.0  | 1079.8  | 1213.1  | 1344.1  | 1328.6  | 1310.8  |
| 62.5°  | 937.6   | 942.0   | 944.2   | 937.6   | 948.7   | 988.7   | 1028.7  | 1201.9  | 1375.2  | 1268.6  | 1162.0  |
| 65°    | 890.9   | 888.7   | 886.5   | 879.8   | 893.1   | 933.1   | 970.9   | 1057.5  | 1144.2  | 1102.0  | 1059.8  |
| 67.5°  | 839.8   | 833.1   | 826.5   | 817.6   | 830.9   | 866.5   | 899.8   | 928.7   | 957.6   | 962.0   | 966.4   |
| 70°    | 775.4   | 766.5   | 757.6   | 755.4   | 762.0   | 790.9   | 819.8   | 839.8   | 857.6   | 866.5   | 873.1   |
| 72.5°  | 699.8   | 693.2   | 686.5   | 682.1   | 684.3   | 708.7   | 730.9   | 748.7   | 766.5   | 773.2   | 777.6   |
| 75°    | 615.4   | 615.4   | 613.2   | 599.9   | 599.9   | 619.9   | 637.6   | 653.2   | 668.7   | 677.6   | 686.5   |
| 77.5°  | 524.3   | 526.5   | 526.5   | 508.8   | 506.6   | 526.5   | 544.3   | 557.7   | 568.8   | 577.6   | 584.3   |
| 80°    | 419.9   | 415.5   | 411.0   | 399.9   | 395.5   | 419.9   | 442.1   | 453.2   | 462.1   | 464.3   | 464.3   |
| 82.5°  | 322.1   | 313.3   | 302.2   | 277.7   | 279.9   | 306.6   | 331.0   | 339.9   | 348.8   | 348.8   | 348.8   |
| 85°    | 219.9   | 202.2   | 182.2   | 162.2   | 164.4   | 193.3   | 219.9   | 228.8   | 237.7   | 242.2   | 244.4   |
| 87.5°  | 104.4   | 86.6    | 66.7    | 51.1    | 51.1    | 75.5    | 97.8    | 102.2   | 106.6   | 115.5   | 124.4   |
| 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     |



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 CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**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  |



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CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 15843.1 | 16034.1 | 16231.9 | 16429.6 | 16656.2 | 16882.8 | 17147.2 | 17409.4 | 17633.8 | 17858.2 | 18044.8 |
| 5°     | 13328.1 | 13632.5 | 13990.1 | 14347.8 | 14803.3 | 15258.7 | 15816.4 | 16371.8 | 16867.3 | 17362.7 | 17938.1 |
| 7.5°   | 10557.6 | 10953.1 | 11419.6 | 11886.2 | 12474.9 | 13063.7 | 13785.8 | 14507.8 | 15207.7 | 15905.3 | 16789.5 |
| 10°    | 8855.8  | 9271.2  | 9731.1  | 10188.8 | 10788.7 | 11386.3 | 12150.6 | 12912.6 | 13699.1 | 14483.4 | 15483.1 |
| 12.5°  | 7962.6  | 8422.5  | 8826.9  | 9231.2  | 9717.8  | 10202.1 | 10942.0 | 11681.8 | 12606.0 | 13528.0 | 14490.0 |
| 15°    | 7009.5  | 7511.6  | 7996.0  | 8480.3  | 9011.3  | 9540.1  | 10259.9 | 10979.7 | 11990.6 | 13001.5 | 14107.9 |
| 17.5°  | 5856.4  | 6385.2  | 6976.2  | 7564.9  | 8258.1  | 8949.1  | 9871.1  | 10793.1 | 11990.6 | 13185.9 | 14490.0 |
| 20°    | 4654.5  | 5194.4  | 5900.9  | 6607.4  | 7469.4  | 8329.2  | 9524.5  | 10719.8 | 12332.7 | 13943.5 | 15607.6 |
| 22.5°  | 3672.5  | 4147.9  | 4918.9  | 5687.6  | 6682.9  | 7678.3  | 9211.2  | 10742.0 | 12850.4 | 14956.6 | 17202.8 |
| 25°    | 2977.1  | 3312.6  | 4070.2  | 4825.6  | 5974.2  | 7122.8  | 9020.2  | 10915.3 | 13603.6 | 16289.6 | 19075.7 |
| 27.5°  | 2550.5  | 2770.5  | 3477.0  | 4181.3  | 5436.5  | 6689.6  | 8942.4  | 11193.0 | 14558.9 | 17924.8 | 21113.0 |
| 30°    | 2337.2  | 2490.5  | 3088.2  | 3683.6  | 4958.9  | 6234.1  | 8849.1  | 11464.1 | 15478.7 | 19491.1 | 22705.9 |
| 32.5°  | 2159.5  | 2281.7  | 2792.7  | 3301.5  | 4545.6  | 5789.8  | 8669.1  | 11546.3 | 16120.8 | 20695.3 | 24054.5 |
| 35°    | 2008.4  | 2110.6  | 2555.0  | 2999.3  | 4221.3  | 5443.2  | 8367.0  | 11290.8 | 16522.9 | 21755.0 | 25458.7 |
| 37.5°  | 1886.2  | 1966.2  | 2377.2  | 2788.3  | 3941.3  | 5094.4  | 8022.6  | 10950.8 | 16880.6 | 22810.4 | 27038.3 |
| 40°    | 1790.7  | 1859.6  | 2243.9  | 2628.3  | 3674.7  | 4721.1  | 7727.1  | 10730.9 | 17373.8 | 24016.8 | 28706.8 |
| 42.5°  | 1737.4  | 1826.3  | 2128.4  | 2428.3  | 3421.4  | 4414.6  | 7489.4  | 10564.3 | 17831.5 | 25096.5 | 30166.5 |
| 45°    | 1724.1  | 1850.7  | 2068.4  | 2286.1  | 3232.6  | 4179.0  | 7278.3  | 10375.4 | 18127.0 | 25878.6 | 31266.2 |
| 47.5°  | 1701.8  | 1806.3  | 2021.8  | 2237.3  | 3139.3  | 4039.1  | 7165.0  | 10288.8 | 18422.5 | 26554.0 | 32179.3 |
| 50°    | 1715.2  | 1728.5  | 1984.0  | 2237.3  | 3126.0  | 4014.6  | 7293.9  | 10573.1 | 19062.3 | 27549.3 | 33223.6 |
| 52.5°  | 1690.7  | 1633.0  | 1912.9  | 2192.8  | 3123.7  | 4054.6  | 7664.9  | 11275.2 | 20250.9 | 29224.5 | 34354.4 |
| 55°    | 1561.9  | 1486.3  | 1779.6  | 2072.9  | 3077.1  | 4079.1  | 8107.0  | 12132.8 | 21846.1 | 31557.3 | 36387.3 |
| 57.5°  | 1448.6  | 1379.7  | 1628.5  | 1875.1  | 2934.9  | 3994.6  | 8562.5  | 13128.1 | 23532.4 | 33934.5 | 38677.9 |
| 60°    | 1297.5  | 1281.9  | 1459.7  | 1637.4  | 2714.9  | 3790.2  | 8938.0  | 14083.5 | 24665.5 | 35245.3 | 39559.9 |
| 62.5°  | 1173.1  | 1182.0  | 1313.0  | 1444.1  | 2439.4  | 3432.6  | 9062.4  | 14690.0 | 24634.4 | 34578.8 | 38671.2 |
| 65°    | 1077.5  | 1093.1  | 1221.9  | 1350.8  | 2203.9  | 3057.1  | 8653.6  | 14247.9 | 23388.0 | 32525.9 | 36913.8 |
| 67.5°  | 984.2   | 1002.0  | 1155.3  | 1306.4  | 1995.1  | 2681.6  | 7631.6  | 12579.4 | 21146.3 | 29711.0 | 34678.8 |
| 70°    | 895.4   | 917.6   | 1084.2  | 1250.8  | 1844.0  | 2435.0  | 6314.1  | 10193.2 | 18340.3 | 26485.1 | 32090.5 |
| 72.5°  | 799.8   | 822.0   | 999.8   | 1177.5  | 1748.5  | 2317.3  | 5147.7  | 7976.0  | 14883.3 | 21788.4 | 27449.3 |
| 75°    | 702.1   | 717.6   | 910.9   | 1102.0  | 1617.4  | 2132.8  | 4039.1  | 5943.1  | 11390.7 | 16838.4 | 20733.1 |
| 77.5°  | 604.3   | 624.3   | 786.5   | 946.5   | 1373.0  | 1797.4  | 3043.8  | 4290.1  | 8358.1  | 12423.8 | 14418.9 |
| 80°    | 482.1   | 499.9   | 615.4   | 728.7   | 1059.8  | 1388.6  | 2092.9  | 2797.1  | 5752.0  | 8706.9  | 9831.1  |
| 82.5°  | 368.8   | 388.8   | 466.6   | 542.1   | 755.4   | 968.7   | 1268.6  | 1568.5  | 3821.4  | 6072.0  | 6165.3  |
| 85°    | 253.3   | 259.9   | 315.5   | 368.8   | 466.6   | 564.3   | 726.5   | 888.7   | 2528.3  | 4167.9  | 3472.5  |
| 87.5°  | 126.6   | 126.6   | 164.4   | 202.2   | 251.1   | 299.9   | 384.4   | 466.6   | 808.7   | 1150.8  | 662.1   |
| 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     |



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**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  |





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CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 18282.5 | 18444.7 | 18609.1 | 18733.5 | 18860.2 | 19042.3 | 19224.5 | 19257.8 | 19293.4 | 19222.3 | 19151.2 |
| 5°     | 18518.0 | 19009.0 | 19502.2 | 19957.7 | 20413.1 | 20686.4 | 20959.7 | 21015.2 | 21070.8 | 20899.7 | 20726.4 |
| 7.5°   | 17644.9 | 18500.2 | 19355.6 | 20139.9 | 20924.1 | 21399.6 | 21877.2 | 21983.9 | 22092.8 | 21812.8 | 21532.9 |
| 10°    | 16478.5 | 17529.3 | 18580.2 | 19613.3 | 20646.4 | 21337.4 | 22028.3 | 22166.1 | 22303.8 | 21955.0 | 21606.2 |
| 12.5°  | 15576.5 | 16698.4 | 17820.4 | 18909.0 | 19999.9 | 20715.3 | 21430.7 | 21601.8 | 21772.8 | 21519.5 | 21264.0 |
| 15°    | 15298.7 | 16354.1 | 17409.4 | 18358.0 | 19308.9 | 19893.3 | 20479.8 | 20548.7 | 20619.8 | 20579.8 | 20539.8 |
| 17.5°  | 15803.1 | 16756.2 | 17711.5 | 18227.0 | 18744.6 | 18977.9 | 19213.4 | 19288.9 | 19366.7 | 19466.7 | 19568.9 |
| 20°    | 17025.0 | 17696.0 | 18369.2 | 18346.9 | 18322.5 | 18209.2 | 18093.7 | 18073.7 | 18053.7 | 18340.3 | 18629.1 |
| 22.5°  | 18849.0 | 19115.7 | 19384.5 | 18760.2 | 18135.9 | 17756.0 | 17373.8 | 17298.3 | 17220.5 | 17524.9 | 17831.5 |
| 25°    | 20828.6 | 20779.7 | 20728.6 | 19540.0 | 18349.2 | 17624.9 | 16900.6 | 16816.2 | 16731.7 | 16991.7 | 17253.9 |
| 27.5°  | 22788.1 | 22468.2 | 22148.3 | 20533.1 | 18917.9 | 17867.0 | 16816.2 | 16731.7 | 16647.3 | 16878.4 | 17109.4 |
| 30°    | 24225.6 | 23712.4 | 23199.2 | 21370.7 | 19542.2 | 18293.6 | 17045.0 | 16907.3 | 16767.3 | 17051.7 | 17336.1 |
| 32.5°  | 25347.6 | 24658.8 | 23970.1 | 22050.5 | 20131.0 | 18780.2 | 17429.4 | 17213.9 | 16998.4 | 17378.3 | 17758.2 |
| 35°    | 26467.3 | 25498.6 | 24527.8 | 22657.1 | 20784.2 | 19355.6 | 17924.8 | 17660.4 | 17396.0 | 17918.1 | 18440.2 |
| 37.5°  | 27875.9 | 26485.1 | 25092.1 | 23339.1 | 21586.2 | 20217.6 | 18846.8 | 18575.8 | 18304.7 | 18969.0 | 19635.5 |
| 40°    | 29404.4 | 27549.3 | 25694.2 | 24085.6 | 22477.1 | 21410.7 | 20342.0 | 20084.3 | 19824.4 | 20633.1 | 21441.8 |
| 42.5°  | 30675.2 | 28540.2 | 26405.1 | 24985.4 | 23563.5 | 22812.6 | 22059.4 | 22057.2 | 22052.8 | 22872.6 | 23692.4 |
| 45°    | 31708.3 | 29366.7 | 27022.7 | 25863.0 | 24701.0 | 24310.0 | 23919.0 | 24232.3 | 24545.5 | 25285.4 | 26027.4 |
| 47.5°  | 32479.3 | 30059.8 | 27638.2 | 26867.2 | 26096.3 | 26154.0 | 26211.8 | 26849.4 | 27487.1 | 27962.5 | 28440.2 |
| 50°    | 32981.4 | 30688.6 | 28393.5 | 28155.8 | 27918.1 | 28435.8 | 28955.6 | 29686.6 | 30419.7 | 30744.1 | 31068.5 |
| 52.5°  | 33712.3 | 31541.7 | 29368.9 | 29635.5 | 29902.1 | 30959.6 | 32017.2 | 32757.0 | 33496.8 | 33616.8 | 33739.0 |
| 55°    | 35403.1 | 33110.2 | 30815.2 | 31326.2 | 31839.4 | 33390.2 | 34943.2 | 35520.8 | 36098.5 | 36142.9 | 36187.3 |
| 57.5°  | 37804.7 | 35307.5 | 32810.3 | 33361.3 | 33912.3 | 35703.0 | 37495.9 | 38118.0 | 38742.3 | 38655.6 | 38566.8 |
| 60°    | 39602.1 | 37393.7 | 35183.1 | 35738.5 | 36294.0 | 38040.2 | 39786.5 | 40501.9 | 41219.5 | 41028.4 | 40837.4 |
| 62.5°  | 39713.2 | 38533.5 | 37351.5 | 37853.6 | 38357.9 | 40068.7 | 41779.4 | 42514.8 | 43250.2 | 42916.9 | 42583.6 |
| 65°    | 37946.9 | 38475.7 | 39004.5 | 39171.1 | 39337.7 | 40932.9 | 42530.3 | 43092.4 | 43656.7 | 43487.9 | 43319.0 |
| 67.5°  | 35514.1 | 37462.6 | 39413.3 | 39077.8 | 38742.3 | 39491.0 | 40239.7 | 40819.6 | 41399.5 | 41303.9 | 41206.2 |
| 70°    | 33085.8 | 35687.4 | 38289.1 | 36640.6 | 34989.8 | 34681.0 | 34372.2 | 34996.5 | 35623.0 | 35236.4 | 34847.6 |
| 72.5°  | 28951.2 | 31723.9 | 34498.8 | 31461.7 | 28424.6 | 27369.3 | 26314.0 | 27107.2 | 27900.3 | 27284.9 | 26667.3 |
| 75°    | 22725.9 | 25789.7 | 28855.7 | 25232.0 | 21608.4 | 20199.8 | 18791.3 | 19473.3 | 20155.4 | 19733.3 | 19308.9 |
| 77.5°  | 16918.4 | 19937.7 | 22957.0 | 19273.4 | 15587.6 | 14541.1 | 13492.5 | 13694.7 | 13899.1 | 13828.0 | 13754.6 |
| 80°    | 11475.2 | 13579.1 | 15685.3 | 13232.5 | 10779.8 | 10859.8 | 10942.0 | 10846.4 | 10748.7 | 10890.9 | 11033.0 |
| 82.5°  | 7322.8  | 8946.9  | 10573.1 | 9271.2  | 7969.3  | 8715.8  | 9462.3  | 9095.7  | 8726.9  | 8862.4  | 9000.2  |
| 85°    | 4179.0  | 5767.6  | 7358.3  | 6858.4  | 6356.3  | 6791.8  | 7229.5  | 6660.7  | 6091.9  | 6340.8  | 6591.8  |
| 87.5°  | 1102.0  | 3190.4  | 5281.0  | 4794.5  | 4307.9  | 3743.6  | 3179.3  | 2426.1  | 1673.0  | 2443.9  | 3214.8  |
| 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     |



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 CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 | 16929.5 |
| 2.5°   | 19113.4 | 19075.7 | 18940.1 | 18802.4 | 18598.0 | 18429.1 | 18135.9 |
| 5°     | 20486.4 | 20246.5 | 19833.3 | 19417.8 | 18955.7 | 18424.7 | 17835.9 |
| 7.5°   | 20973.0 | 20410.9 | 19617.8 | 18822.4 | 18107.0 | 17267.2 | 16485.1 |
| 10°    | 20766.4 | 19924.4 | 18893.5 | 17860.4 | 16991.7 | 16025.2 | 15156.6 |
| 12.5°  | 20370.9 | 19475.6 | 18340.3 | 17202.8 | 16214.1 | 15176.5 | 14203.4 |
| 15°    | 19826.6 | 19111.2 | 18047.0 | 16982.8 | 15987.5 | 14978.8 | 13825.7 |
| 17.5°  | 19231.2 | 18891.3 | 18122.5 | 17351.6 | 16489.6 | 15512.0 | 14159.0 |
| 20°    | 18751.3 | 18875.7 | 18569.1 | 18262.5 | 17571.6 | 16718.4 | 15198.8 |
| 22.5°  | 18426.9 | 19024.6 | 19260.1 | 19497.8 | 19082.3 | 18415.8 | 16658.4 |
| 25°    | 18244.7 | 19235.6 | 20024.3 | 20815.3 | 20630.9 | 20117.6 | 18431.4 |
| 27.5°  | 18324.7 | 19540.0 | 20764.2 | 21990.6 | 22161.6 | 22019.4 | 20299.8 |
| 30°    | 18564.7 | 19795.5 | 21286.3 | 22779.3 | 23461.3 | 23652.4 | 21857.2 |
| 32.5°  | 18964.6 | 20171.0 | 21795.0 | 23421.3 | 24452.2 | 25061.0 | 23281.4 |
| 35°    | 19568.9 | 20697.5 | 22390.5 | 24083.4 | 25416.4 | 26527.3 | 24752.1 |
| 37.5°  | 20606.4 | 21577.3 | 23139.2 | 24703.3 | 26431.8 | 28100.3 | 26371.8 |
| 40°    | 22126.1 | 22812.6 | 24132.3 | 25454.2 | 27629.3 | 29882.1 | 28178.0 |
| 42.5°  | 24043.4 | 24396.7 | 25443.1 | 26489.5 | 28880.1 | 31499.5 | 29944.3 |
| 45°    | 26120.7 | 26214.0 | 26871.7 | 27531.5 | 29871.0 | 32601.5 | 31270.7 |
| 47.5°  | 28120.3 | 27800.3 | 28062.5 | 28324.7 | 30630.8 | 33388.0 | 32277.1 |
| 50°    | 30177.6 | 29286.7 | 29148.9 | 29011.2 | 31390.6 | 34314.4 | 33556.8 |
| 52.5°  | 32270.4 | 30801.9 | 30257.6 | 29711.0 | 32297.1 | 35543.0 | 35149.8 |
| 55°    | 34318.9 | 32450.4 | 31717.2 | 30984.1 | 33683.4 | 37042.7 | 37489.2 |
| 57.5°  | 36449.5 | 34332.2 | 33652.3 | 32972.5 | 35720.8 | 38942.2 | 39588.8 |
| 60°    | 38742.3 | 36645.0 | 36100.7 | 35554.1 | 38253.5 | 40995.1 | 40524.1 |
| 62.5°  | 40917.4 | 39251.1 | 38964.5 | 38675.6 | 40815.2 | 42572.5 | 40159.8 |
| 65°    | 42370.4 | 41419.5 | 41686.1 | 41954.9 | 42752.5 | 42965.8 | 39093.3 |
| 67.5°  | 41399.5 | 41592.8 | 42719.2 | 43847.8 | 43299.0 | 41797.2 | 36991.6 |
| 70°    | 36005.1 | 37164.9 | 39833.2 | 42503.7 | 41286.2 | 38666.8 | 33219.1 |
| 72.5°  | 27969.2 | 29273.3 | 33234.7 | 37198.2 | 36076.2 | 32868.1 | 27284.9 |
| 75°    | 20779.7 | 22252.7 | 26625.1 | 30997.4 | 29440.0 | 24585.5 | 19535.6 |
| 77.5°  | 14741.1 | 15727.5 | 20044.3 | 24363.3 | 21823.9 | 16365.2 | 13145.9 |
| 80°    | 10730.9 | 10428.7 | 12834.9 | 15241.0 | 14818.9 | 10824.2 | 8442.5  |
| 82.5°  | 8262.6  | 7525.0  | 8658.0  | 9791.1  | 9728.9  | 7511.6  | 6194.1  |
| 85°    | 6296.3  | 6000.9  | 7002.9  | 8004.8  | 7147.3  | 5087.7  | 3936.9  |
| 87.5°  | 3670.3  | 4127.9  | 5307.7  | 6489.6  | 4870.0  | 1544.1  | 764.3   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320693  
 CATALOG NUMBER: GLEON-SA9C-750-U-SLR

**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: SP1-1908-441-4-R4

Test Date: 10/02/2019

Luminaire Tested: SA1C-750-U-5WQ

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

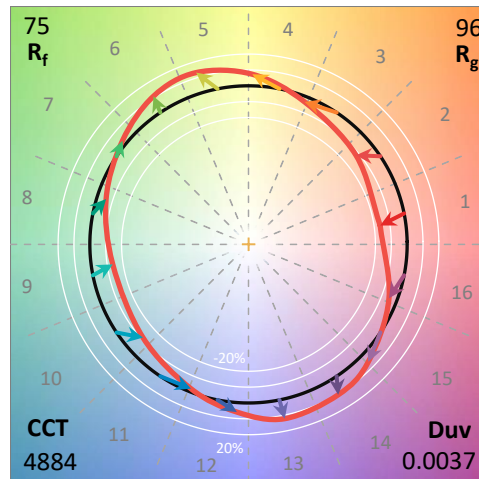
**Test Information**

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-4-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-750-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):                  | 4884   | CRI (Ra): | 73.5 | R9:  | -28.4 |
| CIE u':                   | 0.2101 | R1:       | 70.5 | R10: | 48.6  |
| CIE v':                   | 0.4904 | R2:       | 77.7 | R11: | 73.2  |
| Duv:                      | 0.0037 | R3:       | 84.6 | R12: | 50.7  |
| CIE x:                    | 0.3493 | R4:       | 74.7 | R13: | 71.2  |
| CIE y:                    | 0.3624 | R5:       | 71.9 | R14: | 91.4  |
| CIE z:                    | 0.2884 | R6:       | 70.7 |      |       |
| Peak Wavelength (nm):     | 444    | R7:       | 81.2 |      |       |
| Dominant Wavelength (nm): | 571    | R8:       | 56.9 |      |       |
| Purity:                   | 13.7   |           |      |      |       |
| Rf:                       | 74.9   |           |      |      |       |
| Rg:                       | 96.3   |           |      |      |       |



**Test Conditions**

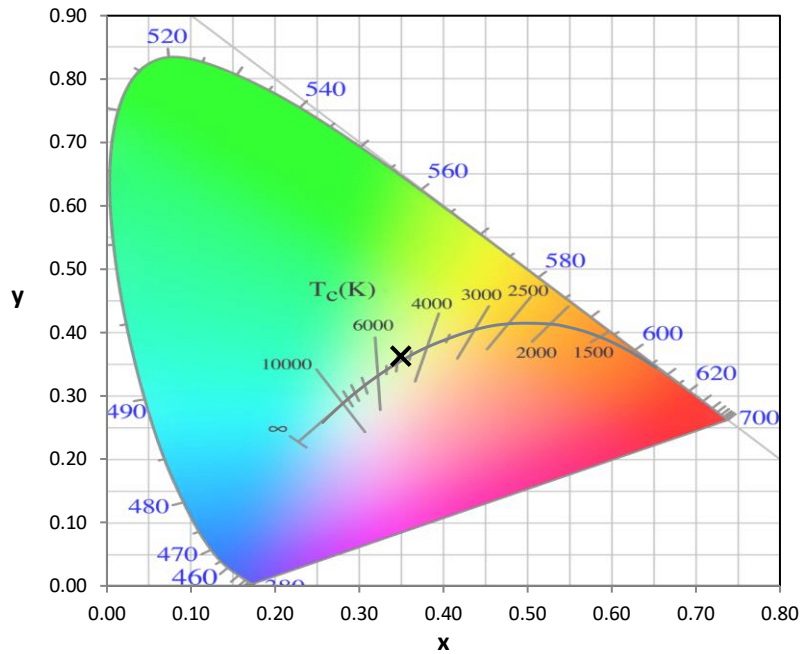
Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-4-R4

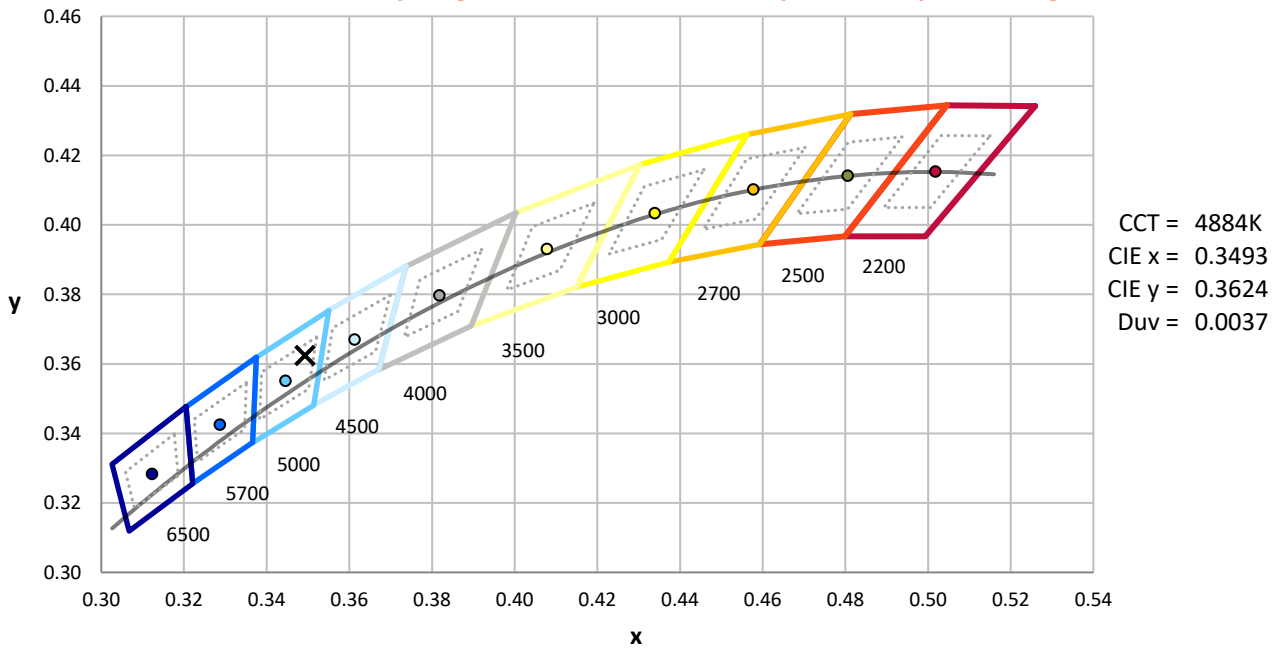
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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: SP1-1908-441-4-R4

CIE 1931 Chromaticity Diagram



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

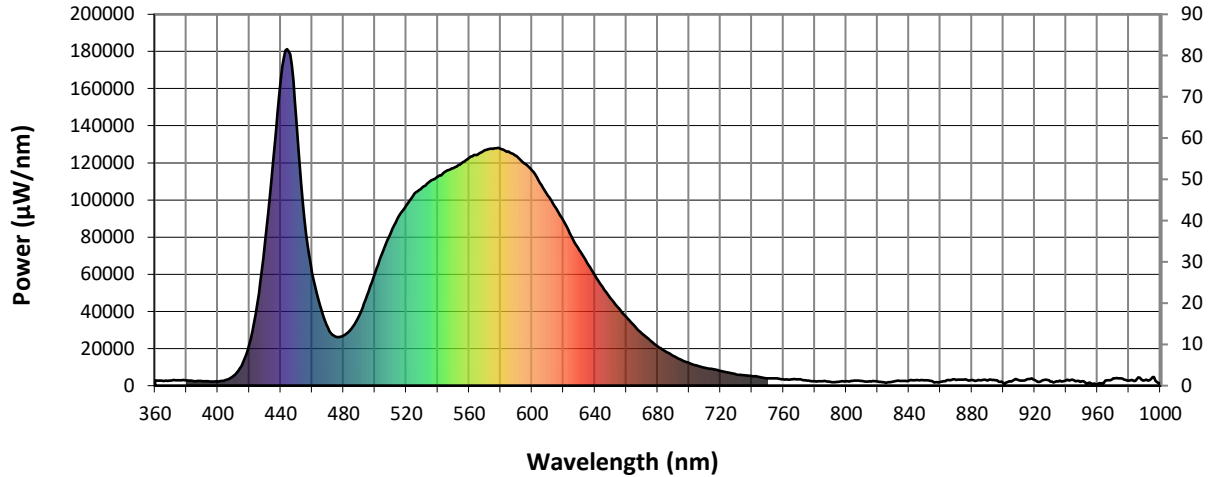


Point lies inside the ANSI 5000K 4-step quadrangle



REPORT NUMBER: SP1-1908-441-4-R4

**Photopic Flux vs. Wavelength**

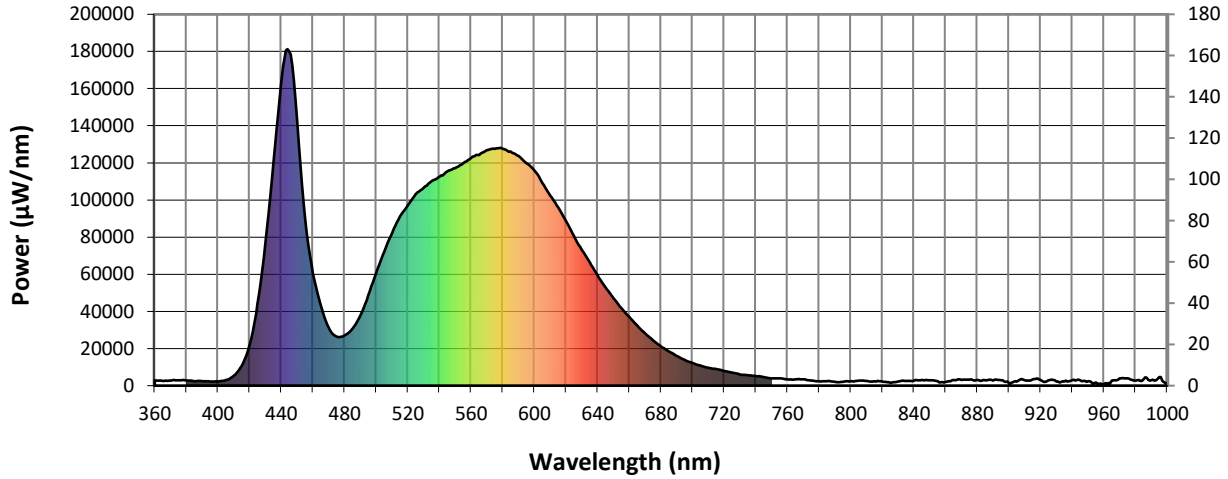


#####

| 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    | 2945          | NR            | 490    | 37941         | NR            | 620    | 88803         | NR            | 750    | 3908          | NR            | 880    | 2997          | NR            |
| 365    | 2596          | NR            | 495    | 48525         | NR            | 625    | 80578         | NR            | 755    | 3988          | NR            | 885    | 2927          | NR            |
| 370    | 2732          | NR            | 500    | 60609         | NR            | 630    | 73127         | NR            | 760    | 3335          | NR            | 890    | 2649          | NR            |
| 375    | 2894          | NR            | 505    | 72036         | NR            | 635    | 66244         | NR            | 765    | 3438          | NR            | 895    | 2828          | NR            |
| 380    | 2822          | NR            | 510    | 82168         | NR            | 640    | 59440         | NR            | 770    | 3427          | NR            | 900    | 1407          | NR            |
| 385    | 2394          | NR            | 515    | 90898         | NR            | 645    | 52864         | NR            | 775    | 2759          | NR            | 905    | 2224          | NR            |
| 390    | 2370          | NR            | 520    | 97142         | NR            | 650    | 47085         | NR            | 780    | 2340          | NR            | 910    | 2905          | NR            |
| 395    | 2267          | NR            | 525    | 103255        | NR            | 655    | 41789         | NR            | 785    | 2412          | NR            | 915    | 3350          | NR            |
| 400    | 2262          | NR            | 530    | 106697        | NR            | 660    | 37064         | NR            | 790    | 1999          | NR            | 920    | 3114          | NR            |
| 405    | 3000          | NR            | 535    | 110081        | NR            | 665    | 32299         | NR            | 795    | 2054          | NR            | 925    | 2834          | NR            |
| 410    | 5324          | NR            | 540    | 112494        | NR            | 670    | 28142         | NR            | 800    | 2331          | NR            | 930    | 2271          | NR            |
| 415    | 10725         | NR            | 545    | 115513        | NR            | 675    | 24505         | NR            | 805    | 2648          | NR            | 935    | 2228          | NR            |
| 420    | 22128         | NR            | 550    | 117203        | NR            | 680    | 21162         | NR            | 810    | 2485          | NR            | 940    | 2833          | NR            |
| 425    | 44095         | NR            | 555    | 119753        | NR            | 685    | 18400         | NR            | 815    | 2409          | NR            | 945    | 2941          | NR            |
| 430    | 77002         | NR            | 560    | 122602        | NR            | 690    | 16065         | NR            | 820    | 2221          | NR            | 950    | 2323          | NR            |
| 435    | 119881        | NR            | 565    | 124314        | NR            | 695    | 13860         | NR            | 825    | 1562          | NR            | 955    | 1667          | NR            |
| 440    | 164454        | NR            | 570    | 126775        | NR            | 700    | 12177         | NR            | 830    | 2249          | NR            | 960    | 749           | NR            |
| 445    | 179997        | NR            | 575    | 127511        | NR            | 705    | 10757         | NR            | 835    | 2573          | NR            | 965    | 2669          | NR            |
| 450    | 142822        | NR            | 580    | 127577        | NR            | 710    | 9601          | NR            | 840    | 2764          | NR            | 970    | 3968          | NR            |
| 455    | 90008         | NR            | 585    | 126153        | NR            | 715    | 8944          | NR            | 845    | 3109          | NR            | 975    | 3886          | NR            |
| 460    | 60557         | NR            | 590    | 123678        | NR            | 720    | 7947          | NR            | 850    | 2963          | NR            | 980    | 2788          | NR            |
| 465    | 43305         | NR            | 595    | 119774        | NR            | 725    | 7062          | NR            | 855    | 2336          | NR            | 985    | 3496          | NR            |
| 470    | 31089         | NR            | 600    | 115733        | NR            | 730    | 6004          | NR            | 860    | 2118          | NR            | 990    | 2913          | NR            |
| 475    | 26278         | NR            | 605    | 109231        | NR            | 735    | 5594          | NR            | 865    | 3144          | NR            | 995    | 4659          | NR            |
| 480    | 27060         | NR            | 610    | 102408        | NR            | 740    | 5165          | NR            | 870    | 3069          | NR            | 1000   | 1308          | NR            |
| 485    | 30698         | NR            | 615    | 96015         | NR            | 745    | 4687          | NR            | 875    | 3311          | NR            |        |               |               |

REPORT NUMBER: SP1-1908-441-4-R4

Scotopic Flux vs. Wavelength

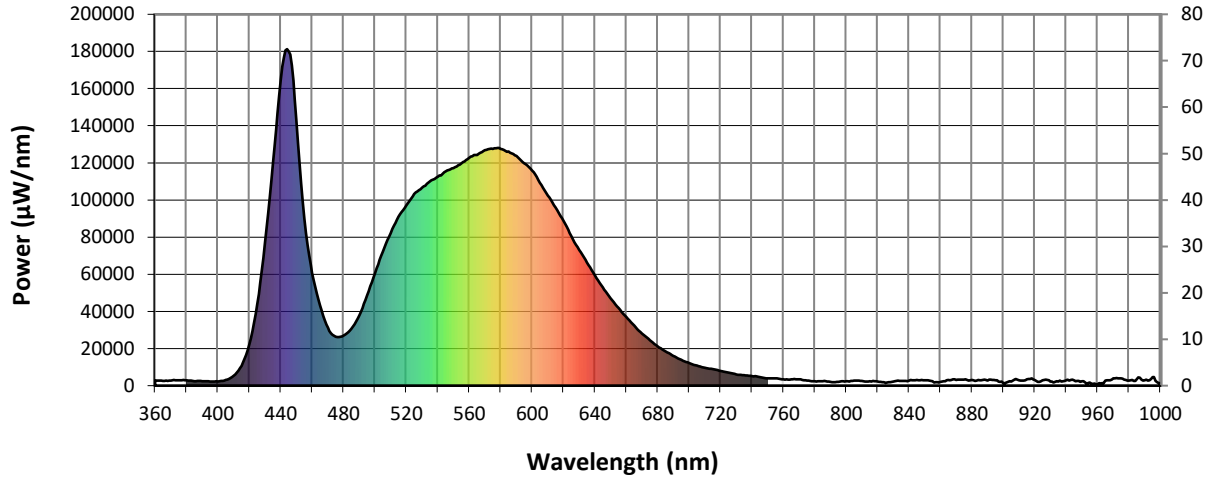


Scotopic Lumens: 13493.5 S/P: 1.77

| 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    | 2945          | NR            | 490    | 37941         | NR            | 620    | 88803         | NR            | 750    | 3908          | NR            | 880    | 2997          | NR            |
| 365    | 2596          | NR            | 495    | 48525         | NR            | 625    | 80578         | NR            | 755    | 3988          | NR            | 885    | 2927          | NR            |
| 370    | 2732          | NR            | 500    | 60609         | NR            | 630    | 73127         | NR            | 760    | 3335          | NR            | 890    | 2649          | NR            |
| 375    | 2894          | NR            | 505    | 72036         | NR            | 635    | 66244         | NR            | 765    | 3438          | NR            | 895    | 2828          | NR            |
| 380    | 2822          | NR            | 510    | 82168         | NR            | 640    | 59440         | NR            | 770    | 3427          | NR            | 900    | 1407          | NR            |
| 385    | 2394          | NR            | 515    | 90898         | NR            | 645    | 52864         | NR            | 775    | 2759          | NR            | 905    | 2224          | NR            |
| 390    | 2370          | NR            | 520    | 97142         | NR            | 650    | 47085         | NR            | 780    | 2340          | NR            | 910    | 2905          | NR            |
| 395    | 2267          | NR            | 525    | 103255        | NR            | 655    | 41789         | NR            | 785    | 2412          | NR            | 915    | 3350          | NR            |
| 400    | 2262          | NR            | 530    | 106697        | NR            | 660    | 37064         | NR            | 790    | 1999          | NR            | 920    | 3114          | NR            |
| 405    | 3000          | NR            | 535    | 110081        | NR            | 665    | 32299         | NR            | 795    | 2054          | NR            | 925    | 2834          | NR            |
| 410    | 5324          | NR            | 540    | 112494        | NR            | 670    | 28142         | NR            | 800    | 2331          | NR            | 930    | 2271          | NR            |
| 415    | 10725         | NR            | 545    | 115513        | NR            | 675    | 24505         | NR            | 805    | 2648          | NR            | 935    | 2228          | NR            |
| 420    | 22128         | NR            | 550    | 117203        | NR            | 680    | 21162         | NR            | 810    | 2485          | NR            | 940    | 2833          | NR            |
| 425    | 44095         | NR            | 555    | 119753        | NR            | 685    | 18400         | NR            | 815    | 2409          | NR            | 945    | 2941          | NR            |
| 430    | 77002         | NR            | 560    | 122602        | NR            | 690    | 16065         | NR            | 820    | 2221          | NR            | 950    | 2323          | NR            |
| 435    | 119881        | NR            | 565    | 124314        | NR            | 695    | 13860         | NR            | 825    | 1562          | NR            | 955    | 1667          | NR            |
| 440    | 164454        | NR            | 570    | 126775        | NR            | 700    | 12177         | NR            | 830    | 2249          | NR            | 960    | 749           | NR            |
| 445    | 179997        | NR            | 575    | 127511        | NR            | 705    | 10757         | NR            | 835    | 2573          | NR            | 965    | 2669          | NR            |
| 450    | 142822        | NR            | 580    | 127577        | NR            | 710    | 9601          | NR            | 840    | 2764          | NR            | 970    | 3968          | NR            |
| 455    | 90008         | NR            | 585    | 126153        | NR            | 715    | 8944          | NR            | 845    | 3109          | NR            | 975    | 3886          | NR            |
| 460    | 60557         | NR            | 590    | 123678        | NR            | 720    | 7947          | NR            | 850    | 2963          | NR            | 980    | 2788          | NR            |
| 465    | 43305         | NR            | 595    | 119774        | NR            | 725    | 7062          | NR            | 855    | 2336          | NR            | 985    | 3496          | NR            |
| 470    | 31089         | NR            | 600    | 115733        | NR            | 730    | 6004          | NR            | 860    | 2118          | NR            | 990    | 2913          | NR            |
| 475    | 26278         | NR            | 605    | 109231        | NR            | 735    | 5594          | NR            | 865    | 3144          | NR            | 995    | 4659          | NR            |
| 480    | 27060         | NR            | 610    | 102408        | NR            | 740    | 5165          | NR            | 870    | 3069          | NR            | 1000   | 1308          | NR            |
| 485    | 30698         | NR            | 615    | 96015         | NR            | 745    | 4687          | NR            | 875    | 3311          | NR            |        |               |               |

REPORT NUMBER: SP1-1908-441-4-R4

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5378.9 M/P: 0.71**

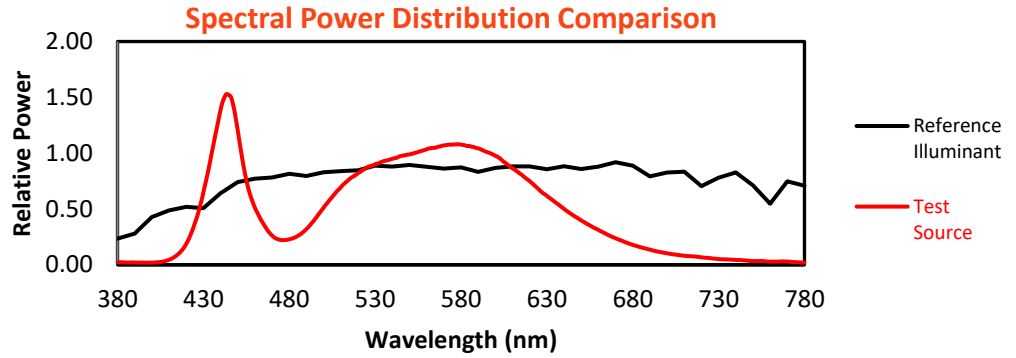
| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360    | 2945          | NR            | 490    | 37941         | NR            | 620    | 88803         | NR            | 750    | 3908          | NR            | 880    | 2997          | NR            |
| 365    | 2596          | NR            | 495    | 48525         | NR            | 625    | 80578         | NR            | 755    | 3988          | NR            | 885    | 2927          | NR            |
| 370    | 2732          | NR            | 500    | 60609         | NR            | 630    | 73127         | NR            | 760    | 3335          | NR            | 890    | 2649          | NR            |
| 375    | 2894          | NR            | 505    | 72036         | NR            | 635    | 66244         | NR            | 765    | 3438          | NR            | 895    | 2828          | NR            |
| 380    | 2822          | NR            | 510    | 82168         | NR            | 640    | 59440         | NR            | 770    | 3427          | NR            | 900    | 1407          | NR            |
| 385    | 2394          | NR            | 515    | 90898         | NR            | 645    | 52864         | NR            | 775    | 2759          | NR            | 905    | 2224          | NR            |
| 390    | 2370          | NR            | 520    | 97142         | NR            | 650    | 47085         | NR            | 780    | 2340          | NR            | 910    | 2905          | NR            |
| 395    | 2267          | NR            | 525    | 103255        | NR            | 655    | 41789         | NR            | 785    | 2412          | NR            | 915    | 3350          | NR            |
| 400    | 2262          | NR            | 530    | 106697        | NR            | 660    | 37064         | NR            | 790    | 1999          | NR            | 920    | 3114          | NR            |
| 405    | 3000          | NR            | 535    | 110081        | NR            | 665    | 32299         | NR            | 795    | 2054          | NR            | 925    | 2834          | NR            |
| 410    | 5324          | NR            | 540    | 112494        | NR            | 670    | 28142         | NR            | 800    | 2331          | NR            | 930    | 2271          | NR            |
| 415    | 10725         | NR            | 545    | 115513        | NR            | 675    | 24505         | NR            | 805    | 2648          | NR            | 935    | 2228          | NR            |
| 420    | 22128         | NR            | 550    | 117203        | NR            | 680    | 21162         | NR            | 810    | 2485          | NR            | 940    | 2833          | NR            |
| 425    | 44095         | NR            | 555    | 119753        | NR            | 685    | 18400         | NR            | 815    | 2409          | NR            | 945    | 2941          | NR            |
| 430    | 77002         | NR            | 560    | 122602        | NR            | 690    | 16065         | NR            | 820    | 2221          | NR            | 950    | 2323          | NR            |
| 435    | 119881        | NR            | 565    | 124314        | NR            | 695    | 13860         | NR            | 825    | 1562          | NR            | 955    | 1667          | NR            |
| 440    | 164454        | NR            | 570    | 126775        | NR            | 700    | 12177         | NR            | 830    | 2249          | NR            | 960    | 749           | NR            |
| 445    | 179997        | NR            | 575    | 127511        | NR            | 705    | 10757         | NR            | 835    | 2573          | NR            | 965    | 2669          | NR            |
| 450    | 142822        | NR            | 580    | 127577        | NR            | 710    | 9601          | NR            | 840    | 2764          | NR            | 970    | 3968          | NR            |
| 455    | 90008         | NR            | 585    | 126153        | NR            | 715    | 8944          | NR            | 845    | 3109          | NR            | 975    | 3886          | NR            |
| 460    | 60557         | NR            | 590    | 123678        | NR            | 720    | 7947          | NR            | 850    | 2963          | NR            | 980    | 2788          | NR            |
| 465    | 43305         | NR            | 595    | 119774        | NR            | 725    | 7062          | NR            | 855    | 2336          | NR            | 985    | 3496          | NR            |
| 470    | 31089         | NR            | 600    | 115733        | NR            | 730    | 6004          | NR            | 860    | 2118          | NR            | 990    | 2913          | NR            |
| 475    | 26278         | NR            | 605    | 109231        | NR            | 735    | 5594          | NR            | 865    | 3144          | NR            | 995    | 4659          | NR            |
| 480    | 27060         | NR            | 610    | 102408        | NR            | 740    | 5165          | NR            | 870    | 3069          | NR            | 1000   | 1308          | NR            |
| 485    | 30698         | NR            | 615    | 96015         | NR            | 745    | 4687          | NR            | 875    | 3311          | NR            |        |               |               |

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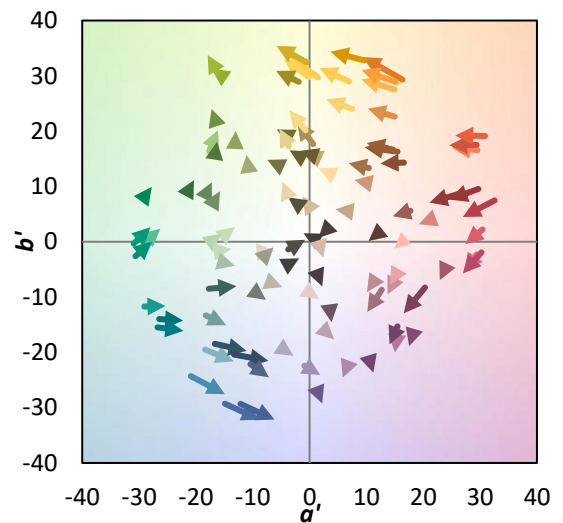
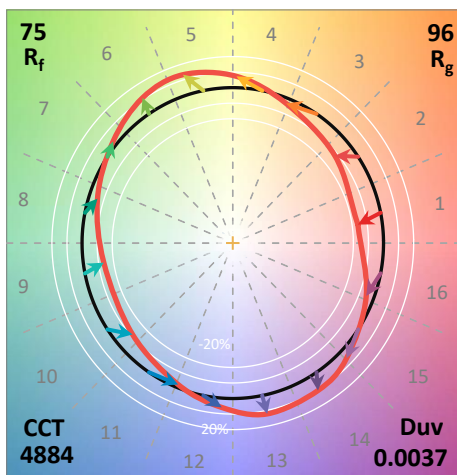
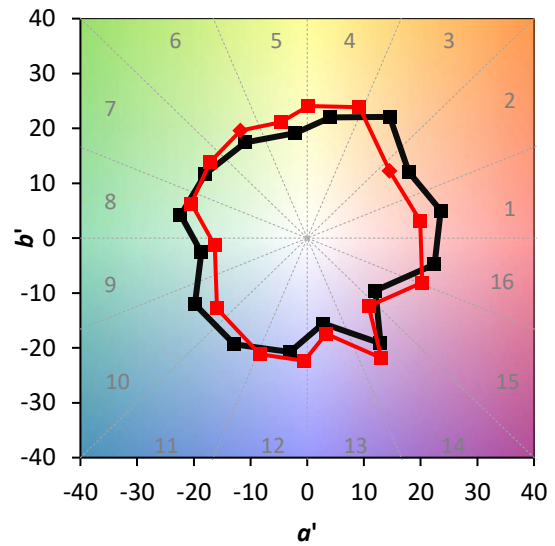
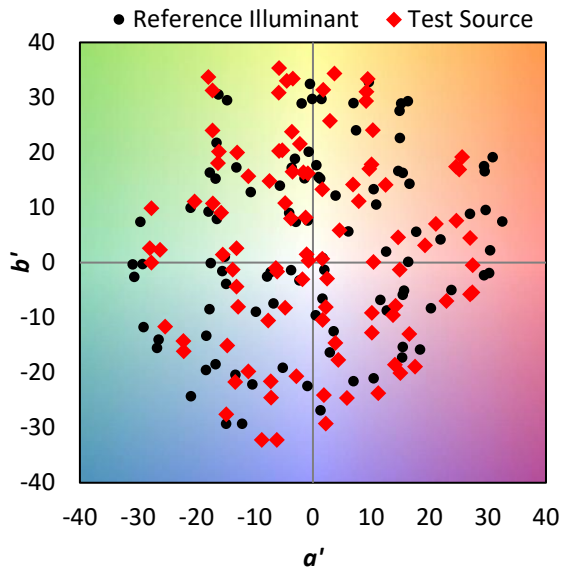
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**Summary**

$R_f = 74.9$   
 $R_g = 96.3$   
 CIE  $R_a = 73.5$   
 $R_g = -28.4$



**Color Vector Graphics**

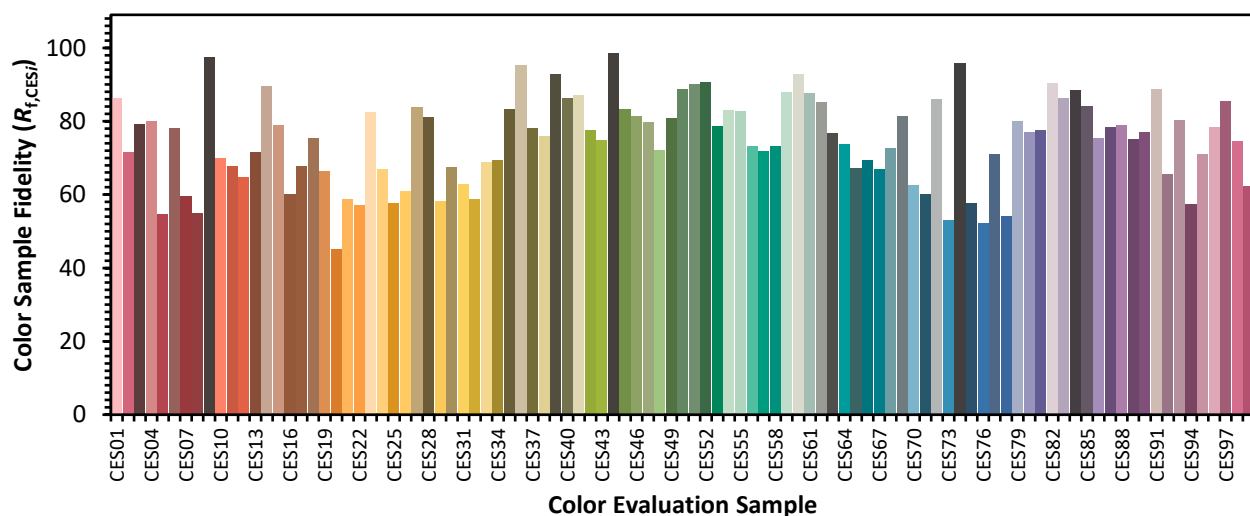


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

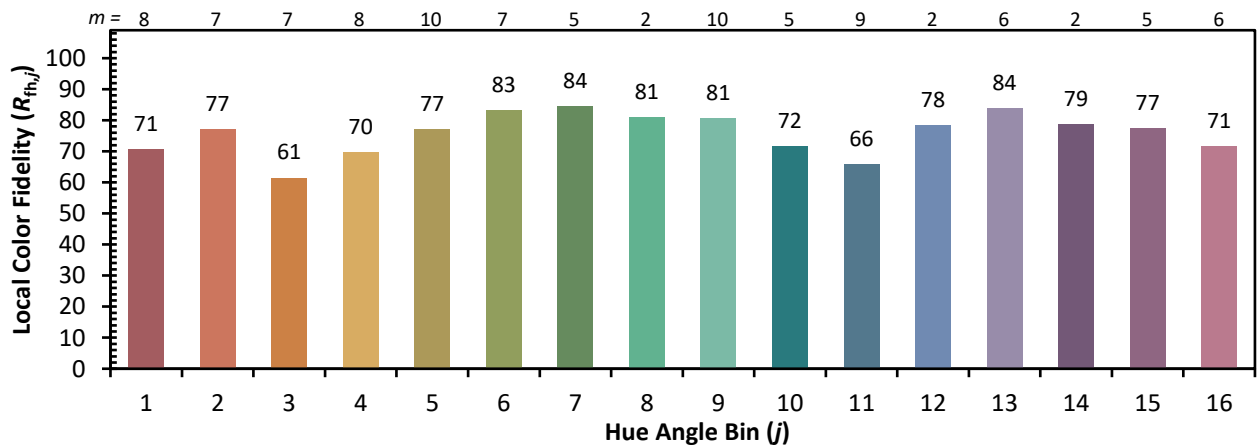
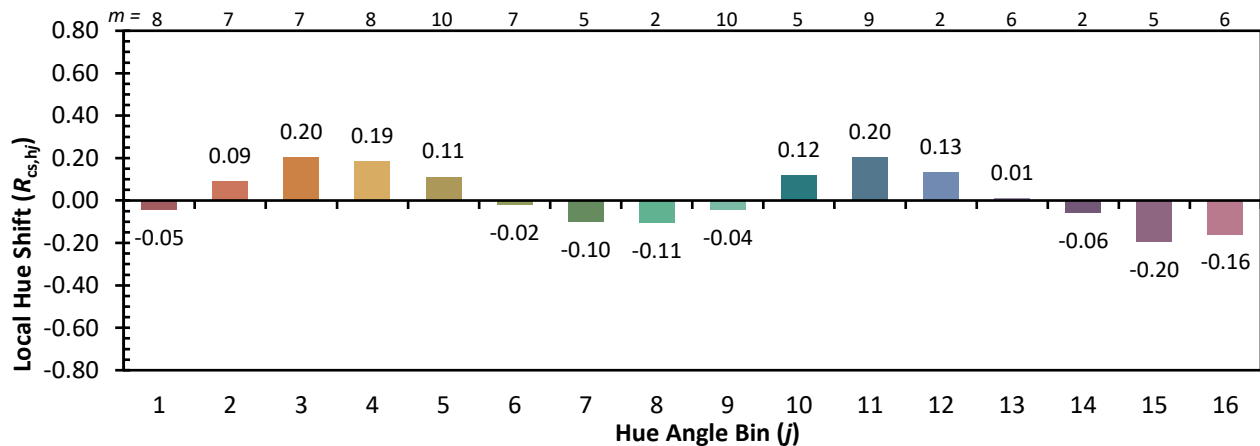
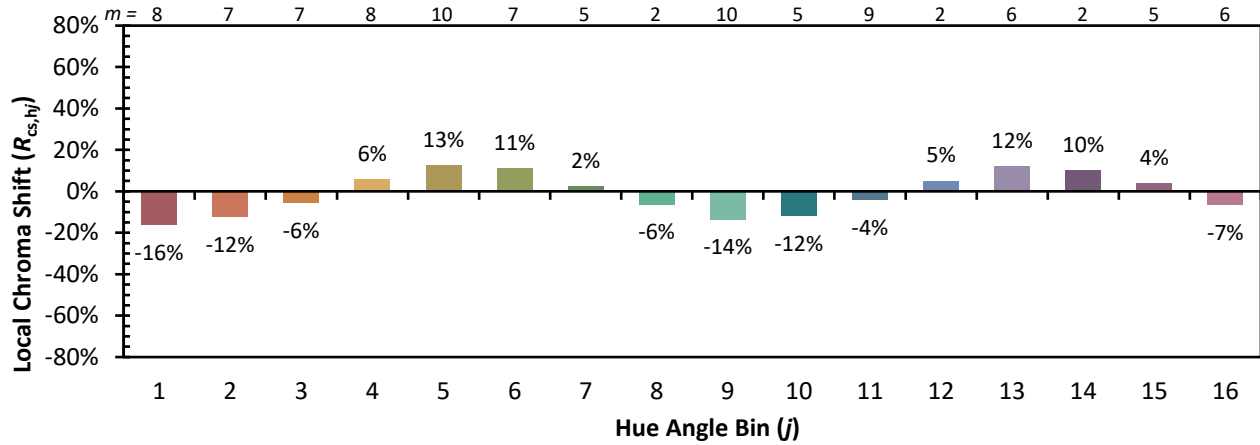
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|------------|------------|------------|------------|
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| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 83 | CES79 = 80 |
| CES05 = 46 | CES30 = 67 | CES55 = 83 | CES80 = 77 |
| CES06 = 50 | CES31 = 63 | CES56 = 73 | CES81 = 77 |
| CES07 = 39 | CES32 = 59 | CES57 = 72 | CES82 = 90 |
| CES08 = 38 | CES33 = 69 | CES58 = 73 | CES83 = 86 |
| CES09 = 29 | CES34 = 69 | CES59 = 88 | CES84 = 88 |
| CES10 = 73 | CES35 = 83 | CES60 = 93 | CES85 = 84 |
| CES11 = 56 | CES36 = 95 | CES61 = 88 | CES86 = 75 |
| CES12 = 61 | CES37 = 78 | CES62 = 85 | CES87 = 78 |
| CES13 = 41 | CES38 = 76 | CES63 = 77 | CES88 = 79 |
| CES14 = 74 | CES39 = 93 | CES64 = 74 | CES89 = 75 |
| CES15 = 70 | CES40 = 86 | CES65 = 67 | CES90 = 77 |
| CES16 = 46 | CES41 = 87 | CES66 = 69 | CES91 = 89 |
| CES17 = 49 | CES42 = 78 | CES67 = 67 | CES92 = 66 |
| CES18 = 55 | CES43 = 75 | CES68 = 73 | CES93 = 80 |
| CES19 = 71 | CES44 = 99 | CES69 = 81 | CES94 = 57 |
| CES20 = 64 | CES45 = 83 | CES70 = 63 | CES95 = 71 |
| CES21 = 85 | CES46 = 81 | CES71 = 60 | CES96 = 78 |
| CES22 = 77 | CES47 = 80 | CES72 = 86 | CES97 = 85 |
| CES23 = 91 | CES48 = 72 | CES73 = 53 | CES98 = 75 |
| CES24 = 90 | CES49 = 81 | CES74 = 96 | CES99 = 62 |
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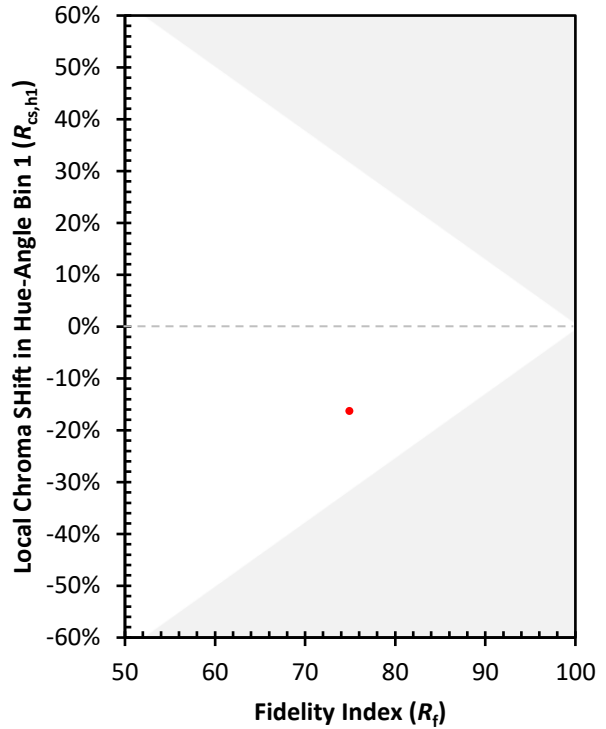
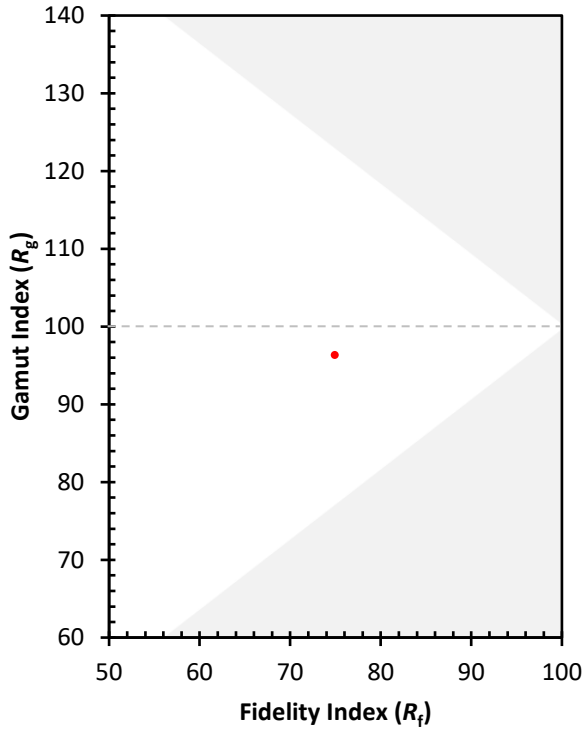
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)