

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: P320698

Luminaire Tested: **GLEON-SA4D-750-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320698  
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-SA4D-750-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K, 1200mA 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: 27506 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

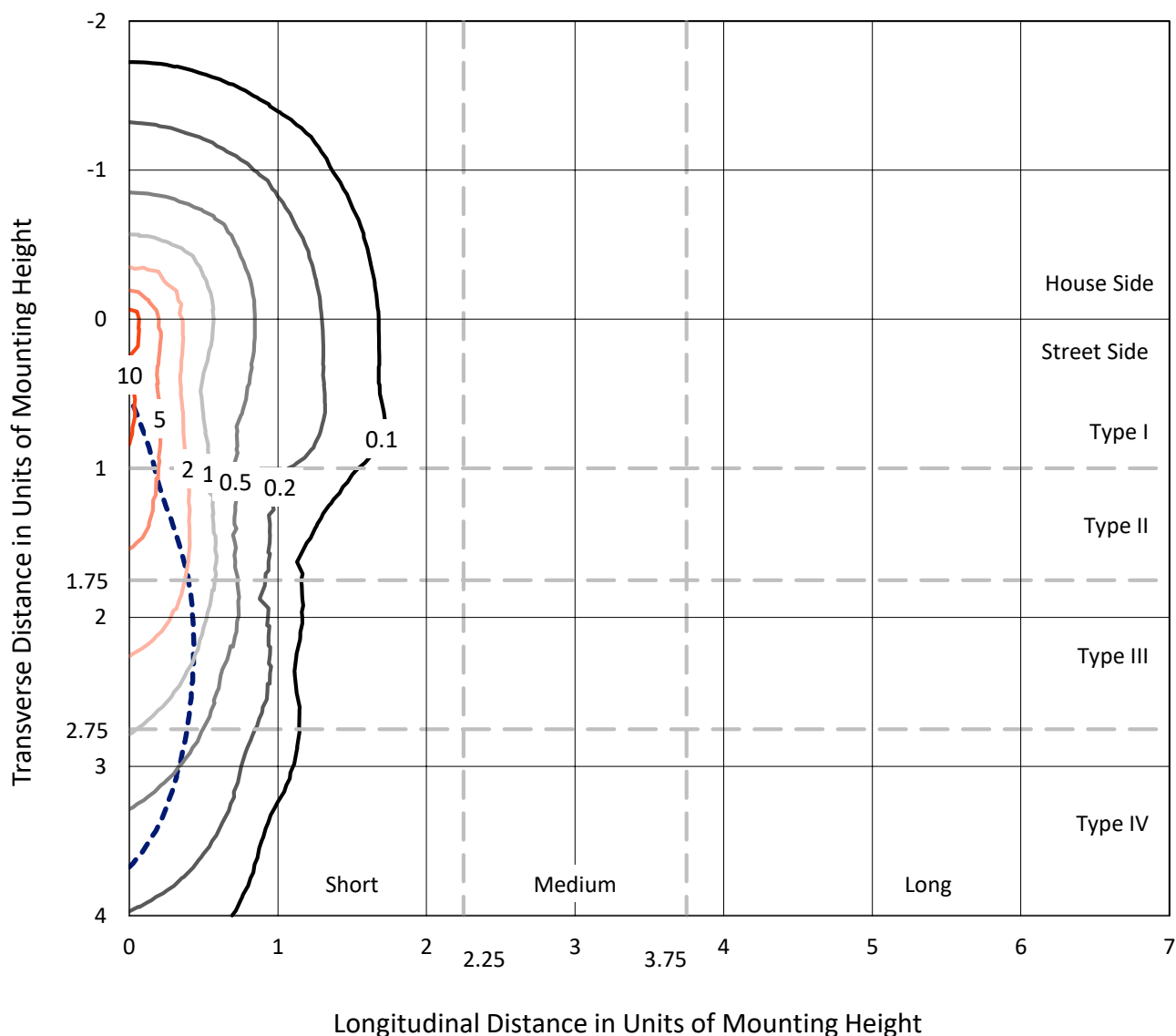
Input Watts (W): 258  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

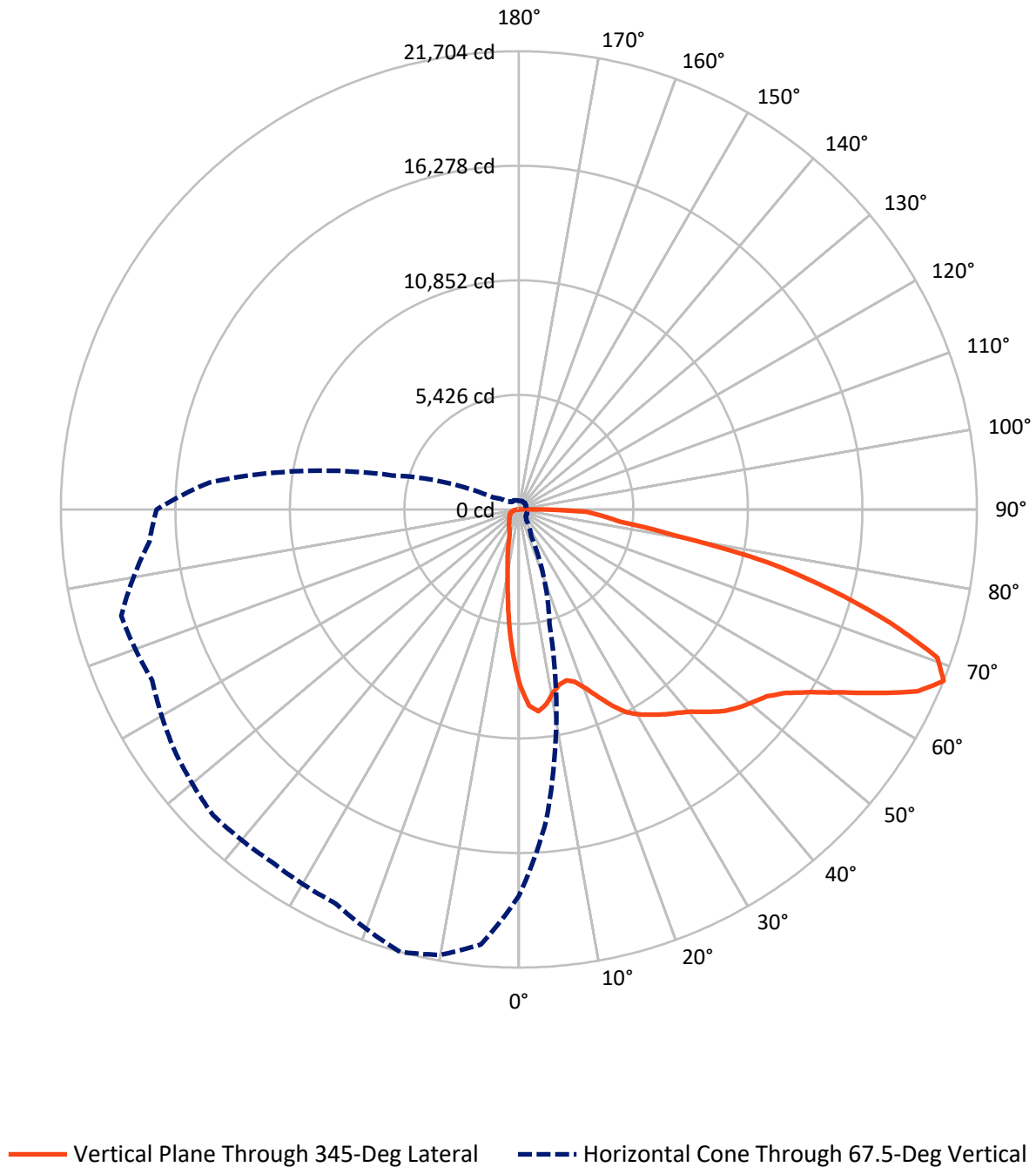
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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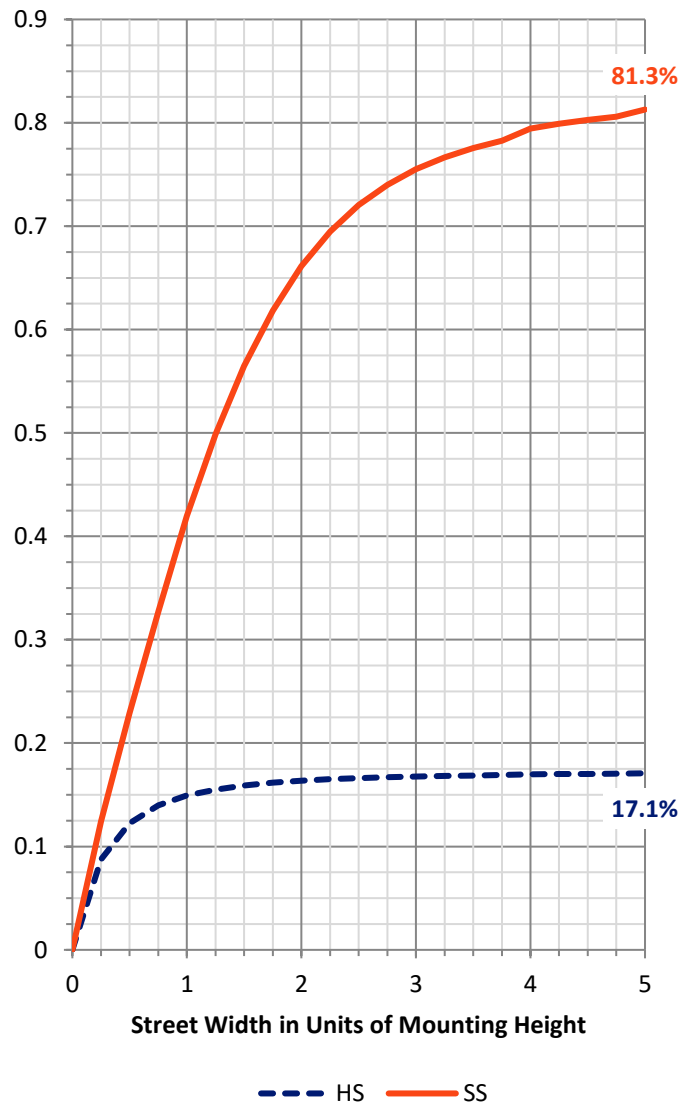
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4755.2   | 0.0    | 4755.2  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 22750.8  | 0.0    | 22750.8 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 27506.0  | 0.0    | 27506.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 646.7   | 2.4       |
| 10°-20°   | 1343.5  | 4.9       |
| 20°-30°   | 1910.8  | 6.9       |
| 30°-40°   | 2753.4  | 10.0      |
| 40°-50°   | 3880.4  | 14.1      |
| 50°-60°   | 5394.4  | 19.6      |
| 60°-70°   | 6523.5  | 23.7      |
| 70°-80°   | 4009.8  | 14.6      |
| 80°-90°   | 1043.4  | 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°    | 27506.0 | 100.0     |
| 0°-180°   | 27506.0 | 100.0     |

**Coefficient of Utilization**



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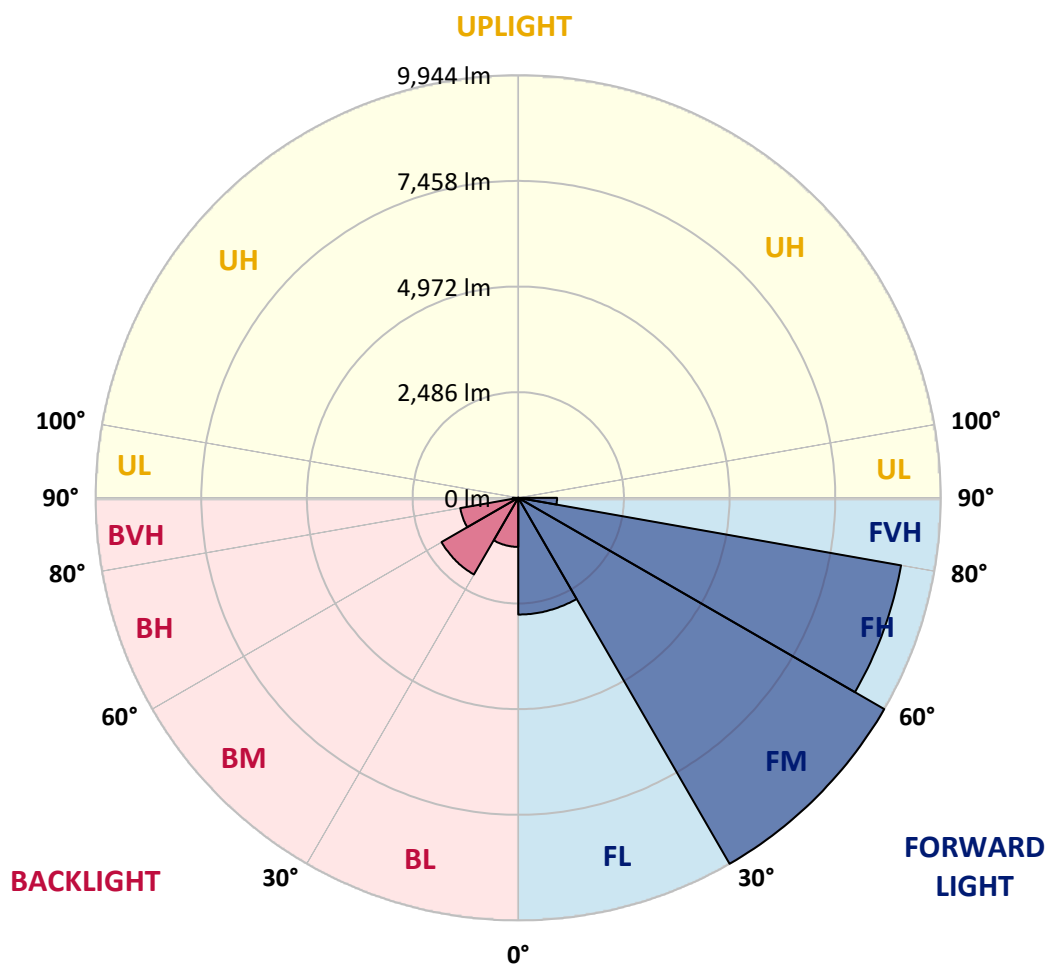
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|--------|-----------|-------------------------|------|----------|
|      |             |        |           | B                       | U    | G        |
| FL   | (0°-30°)    | 2746.5 | 10.0      |                         |      |          |
| FM   | (30°-60°)   | 9944.1 | 36.2      |                         |      |          |
| FH   | (60°-80°)   | 9147.6 | 33.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 912.6  | 3.3       |                         |      | G5       |
| BL   | (0°-30°)    | 1154.5 | 4.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2084.1 | 7.6       | B2/2500                 |      |          |
| BH   | (60°-80°)   | 1385.7 | 5.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 130.8  | 0.5       |                         |      | G2/225   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |          |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |          |

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

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°     | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8379.9  | 8379.9  | 8379.9  | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 |
| 2.5°   | 8977.0  | 8897.9  | 8778.0  | 8658.1 | 8569.0 | 8478.9 | 8376.6 | 8274.3 | 8157.7 | 8040.1 | 7970.8 |
| 5°     | 8828.6  | 8608.6  | 8322.7  | 8036.8 | 7847.6 | 7658.5 | 7444.0 | 7229.6 | 7017.3 | 6805.1 | 6690.7 |
| 7.5°   | 8159.9  | 7830.0  | 7458.3  | 7086.6 | 6811.7 | 6535.7 | 6238.7 | 5940.7 | 5676.8 | 5411.7 | 5247.9 |
| 10°    | 7502.3  | 7106.4  | 6679.7  | 6251.9 | 5900.0 | 5548.1 | 5250.1 | 4951.0 | 4751.9 | 4552.9 | 4402.2 |
| 12.5°  | 7030.5  | 6591.7  | 6122.2  | 5651.5 | 5299.6 | 4947.7 | 4758.5 | 4569.4 | 4404.4 | 4239.4 | 4065.7 |
| 15°    | 6843.6  | 6347.6  | 5867.0  | 5385.3 | 5065.3 | 4745.3 | 4535.3 | 4324.1 | 4103.1 | 3880.9 | 3667.6 |
| 17.5°  | 7008.5  | 6427.9  | 5905.5  | 5383.1 | 4964.2 | 4545.2 | 4251.5 | 3956.8 | 3665.4 | 3374.0 | 3126.5 |
| 20°    | 7523.2  | 6782.0  | 6099.1  | 5415.0 | 4857.5 | 4299.9 | 3906.2 | 3511.4 | 3137.5 | 2763.6 | 2483.2 |
| 22.5°  | 8245.7  | 7264.8  | 6372.9  | 5481.0 | 4760.7 | 4039.3 | 3545.5 | 3050.6 | 2608.5 | 2166.5 | 1891.5 |
| 25°    | 9123.3  | 7904.8  | 6767.7  | 5629.5 | 4721.1 | 3811.6 | 3204.6 | 2597.5 | 2131.3 | 1663.9 | 1468.1 |
| 27.5°  | 10048.2 | 8668.0  | 7258.2  | 5847.2 | 4727.7 | 3608.2 | 2917.6 | 2225.8 | 1805.7 | 1385.7 | 1251.5 |
| 30°    | 10819.1 | 9540.1  | 7830.0  | 6118.9 | 4753.0 | 3387.1 | 2647.0 | 1906.9 | 1560.5 | 1214.1 | 1127.2 |
| 32.5°  | 11524.0 | 10148.2 | 8261.1  | 6372.9 | 4781.6 | 3189.2 | 2438.1 | 1685.9 | 1403.2 | 1119.5 | 1048.0 |
| 35°    | 12252.0 | 10688.2 | 8562.4  | 6435.6 | 4732.1 | 3027.5 | 2295.1 | 1562.7 | 1302.1 | 1040.3 | 979.9  |
| 37.5°  | 13053.7 | 11272.2 | 8852.8  | 6432.3 | 4648.5 | 2864.8 | 2184.1 | 1502.2 | 1236.1 | 968.9  | 924.9  |
| 40°    | 13947.8 | 11917.7 | 9167.3  | 6416.9 | 4572.7 | 2727.3 | 2101.6 | 1474.7 | 1199.8 | 923.8  | 886.4  |
| 42.5°  | 14822.1 | 12533.5 | 9459.8  | 6386.1 | 4511.1 | 2634.9 | 2020.2 | 1405.4 | 1166.8 | 927.1  | 874.3  |
| 45°    | 15478.6 | 13071.3 | 9713.9  | 6355.3 | 4464.9 | 2574.5 | 1956.4 | 1338.4 | 1136.0 | 933.7  | 866.6  |
| 47.5°  | 15976.8 | 13611.3 | 9995.4  | 6378.4 | 4460.5 | 2542.6 | 1911.3 | 1280.1 | 1077.7 | 874.3  | 846.8  |
| 50°    | 16610.2 | 14260.1 | 10405.6 | 6551.1 | 4521.0 | 2490.9 | 1858.5 | 1225.1 | 1021.6 | 818.2  | 855.6  |
| 52.5°  | 17398.7 | 15186.1 | 11041.2 | 6895.3 | 4647.4 | 2399.6 | 1775.0 | 1150.3 | 953.5  | 755.5  | 813.8  |
| 55°    | 18556.7 | 16372.7 | 11853.9 | 7334.1 | 4800.3 | 2265.4 | 1648.5 | 1030.4 | 863.3  | 695.0  | 746.7  |
| 57.5°  | 19596.0 | 17571.4 | 12633.6 | 7694.8 | 4896.0 | 2096.1 | 1489.0 | 882.0  | 762.1  | 642.2  | 671.9  |
| 60°    | 20059.0 | 18189.4 | 12998.7 | 7806.9 | 4838.8 | 1870.6 | 1309.8 | 747.8  | 673.0  | 598.2  | 592.8  |
| 62.5°  | 19878.6 | 17796.8 | 12639.1 | 7481.4 | 4559.5 | 1637.5 | 1151.4 | 665.3  | 609.2  | 552.1  | 540.0  |
| 65°    | 19350.7 | 16562.9 | 11631.8 | 6700.6 | 4087.7 | 1474.7 | 1051.3 | 627.9  | 565.3  | 502.6  | 489.4  |
| 67.5°  | 18310.4 | 14806.7 | 10204.3 | 5602.0 | 3488.3 | 1374.7 | 994.2  | 613.6  | 537.8  | 460.8  | 445.4  |
| 70°    | 16443.1 | 12693.0 | 8560.2  | 4426.4 | 2870.3 | 1313.1 | 956.8  | 600.4  | 508.1  | 414.6  | 400.3  |
| 72.5°  | 13505.7 | 10176.8 | 6835.9  | 3493.8 | 2399.6 | 1305.4 | 952.4  | 599.3  | 483.9  | 368.4  | 355.2  |
| 75°    | 9669.9  | 7730.0  | 5218.2  | 2705.3 | 1965.2 | 1225.1 | 904.0  | 582.9  | 450.9  | 317.8  | 305.7  |
| 77.5°  | 6507.1  | 5350.2  | 3626.9  | 1902.5 | 1458.2 | 1013.9 | 759.9  | 505.9  | 386.0  | 266.1  | 254.0  |
| 80°    | 4178.9  | 3702.8  | 2430.4  | 1158.0 | 945.8  | 733.5  | 543.3  | 353.0  | 281.5  | 208.9  | 199.0  |
| 82.5°  | 3066.0  | 2755.9  | 1689.2  | 622.4  | 525.7  | 427.8  | 332.1  | 236.4  | 192.5  | 148.5  | 144.1  |
| 85°    | 1948.7  | 2148.9  | 1243.8  | 338.7  | 277.1  | 215.5  | 178.2  | 140.8  | 111.1  | 81.4   | 81.4   |
| 87.5°  | 378.3   | 523.5   | 344.2   | 163.9  | 119.9  | 75.9   | 64.9   | 52.8   | 29.7   | 5.5    | 6.6    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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°     | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 |
| 2.5°   | 7900.4 | 7824.5 | 7748.7 | 7662.9 | 7576.0 | 7495.7 | 7414.3 | 7325.3 | 7341.8 | 7273.6 | 7205.4 |
| 5°     | 6576.3 | 6455.4 | 6333.3 | 6227.7 | 6122.2 | 6030.9 | 5938.5 | 5856.0 | 5927.5 | 5879.1 | 5830.7 |
| 7.5°   | 5082.9 | 4933.4 | 4782.7 | 4656.2 | 4529.8 | 4431.9 | 4332.9 | 4264.7 | 4335.1 | 4326.3 | 4317.5 |
| 10°    | 4251.5 | 4106.4 | 3960.1 | 3820.4 | 3680.8 | 3562.0 | 3442.1 | 3341.0 | 3323.4 | 3272.8 | 3221.1 |
| 12.5°  | 3890.8 | 3691.8 | 3491.6 | 3345.4 | 3199.1 | 3057.2 | 2915.4 | 2796.6 | 2742.7 | 2659.1 | 2574.5 |
| 15°    | 3454.2 | 3218.9 | 2983.5 | 2817.5 | 2650.3 | 2512.9 | 2374.3 | 2272.0 | 2237.9 | 2173.1 | 2108.2 |
| 17.5°  | 2879.1 | 2621.7 | 2364.4 | 2196.1 | 2026.8 | 1916.8 | 1805.7 | 1737.6 | 1737.6 | 1718.9 | 1700.2 |
| 20°    | 2202.7 | 1972.9 | 1743.1 | 1614.4 | 1485.7 | 1427.4 | 1368.1 | 1339.5 | 1348.3 | 1349.4 | 1349.4 |
| 22.5°  | 1615.5 | 1474.7 | 1334.0 | 1282.3 | 1229.5 | 1208.6 | 1187.7 | 1175.6 | 1180.0 | 1181.1 | 1182.2 |
| 25°    | 1272.4 | 1218.5 | 1163.5 | 1137.1 | 1109.6 | 1096.4 | 1083.2 | 1078.8 | 1088.7 | 1089.8 | 1089.8 |
| 27.5°  | 1117.3 | 1084.3 | 1050.2 | 1033.7 | 1016.1 | 1010.6 | 1005.1 | 997.4  | 1007.3 | 1007.3 | 1006.2 |
| 30°    | 1039.2 | 1004.0 | 968.9  | 948.0  | 927.1  | 929.3  | 930.4  | 928.2  | 934.8  | 939.2  | 942.5  |
| 32.5°  | 975.5  | 941.4  | 907.3  | 886.4  | 864.4  | 861.1  | 857.8  | 855.6  | 869.9  | 877.6  | 885.3  |
| 35°    | 918.3  | 880.9  | 843.5  | 823.7  | 803.9  | 796.2  | 788.5  | 783.0  | 796.2  | 806.1  | 816.0  |
| 37.5°  | 879.8  | 841.3  | 801.7  | 783.0  | 763.2  | 753.3  | 743.4  | 736.8  | 742.3  | 746.7  | 751.1  |
| 40°    | 849.0  | 809.4  | 768.7  | 746.7  | 724.7  | 714.8  | 704.9  | 699.4  | 702.7  | 703.8  | 704.9  |
| 42.5°  | 820.4  | 781.9  | 743.4  | 719.2  | 693.9  | 681.8  | 669.7  | 663.1  | 665.3  | 667.5  | 668.6  |
| 45°    | 799.5  | 761.0  | 721.4  | 692.8  | 663.1  | 649.9  | 636.7  | 629.0  | 630.1  | 630.1  | 630.1  |
| 47.5°  | 819.3  | 763.2  | 706.0  | 673.0  | 638.9  | 623.5  | 608.1  | 600.4  | 598.2  | 596.1  | 593.9  |
| 50°    | 891.9  | 796.2  | 699.4  | 657.6  | 614.7  | 598.2  | 580.7  | 571.9  | 566.4  | 564.2  | 562.0  |
| 52.5°  | 871.0  | 788.5  | 704.9  | 651.0  | 596.1  | 576.3  | 556.5  | 542.2  | 536.7  | 533.4  | 530.1  |
| 55°    | 797.3  | 745.6  | 692.8  | 627.9  | 563.1  | 545.5  | 526.8  | 516.9  | 507.0  | 504.8  | 502.6  |
| 57.5°  | 700.5  | 679.6  | 658.7  | 592.8  | 526.8  | 510.3  | 492.7  | 486.1  | 477.3  | 477.3  | 476.2  |
| 60°    | 586.2  | 616.9  | 647.7  | 571.9  | 494.9  | 476.2  | 457.5  | 452.0  | 448.7  | 447.6  | 446.5  |
| 62.5°  | 526.8  | 577.4  | 626.8  | 546.6  | 465.2  | 445.4  | 425.6  | 419.0  | 417.9  | 419.0  | 419.0  |
| 65°    | 476.2  | 491.6  | 507.0  | 469.6  | 432.2  | 412.4  | 391.5  | 384.9  | 387.1  | 390.4  | 393.7  |
| 67.5°  | 430.0  | 426.7  | 423.4  | 410.2  | 395.9  | 379.4  | 361.8  | 355.2  | 356.3  | 360.7  | 365.1  |
| 70°    | 386.0  | 381.6  | 376.1  | 366.2  | 356.3  | 342.0  | 327.7  | 323.3  | 322.2  | 327.7  | 332.1  |
| 72.5°  | 342.0  | 336.5  | 329.9  | 322.2  | 313.4  | 301.3  | 289.2  | 285.9  | 287.0  | 290.3  | 293.6  |
| 75°    | 293.6  | 289.2  | 283.7  | 277.1  | 269.4  | 258.4  | 247.4  | 245.2  | 247.4  | 250.7  | 254.0  |
| 77.5°  | 240.8  | 239.7  | 237.5  | 232.0  | 226.5  | 214.4  | 201.2  | 200.1  | 203.4  | 206.7  | 208.9  |
| 80°    | 188.1  | 189.2  | 190.3  | 185.9  | 181.5  | 168.3  | 154.0  | 152.9  | 156.2  | 159.5  | 162.8  |
| 82.5°  | 138.6  | 141.9  | 144.1  | 138.6  | 133.1  | 117.7  | 102.3  | 100.1  | 111.1  | 114.4  | 117.7  |
| 85°    | 80.3   | 84.7   | 89.1   | 84.7   | 80.3   | 64.9   | 49.5   | 48.4   | 58.3   | 63.8   | 69.3   |
| 87.5°  | 6.6    | 8.8    | 11.0   | 9.9    | 8.8    | 4.4    | 0.0    | 0.0    | 1.1    | 5.5    | 9.9    |
| 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: P320698  
 CATALOG NUMBER: GLEON-SA4D-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  |



REPORT NUMBER: P320698

CATALOG NUMBER: GLEON-SA4D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 |
| 2.5°   | 7162.5 | 7119.6 | 7106.4 | 7093.2 | 7044.8 | 6995.3 | 7045.9 | 7095.4 | 7116.3 | 7137.2 | 7083.3 |
| 5°     | 5824.1 | 5816.4 | 5816.4 | 5815.3 | 5771.3 | 5726.3 | 5760.4 | 5793.3 | 5719.7 | 5646.0 | 5638.3 |
| 7.5°   | 4364.8 | 4412.1 | 4450.6 | 4488.0 | 4473.7 | 4459.4 | 4491.3 | 4523.2 | 4429.7 | 4335.1 | 4288.9 |
| 10°    | 3232.1 | 3242.0 | 3283.8 | 3325.6 | 3335.5 | 3344.3 | 3383.8 | 3422.3 | 3349.8 | 3277.2 | 3245.3 |
| 12.5°  | 2521.7 | 2468.9 | 2474.4 | 2478.8 | 2498.6 | 2517.3 | 2559.1 | 2599.7 | 2570.1 | 2539.3 | 2542.6 |
| 15°    | 2042.2 | 1975.1 | 1947.6 | 1919.0 | 1941.0 | 1963.0 | 1992.7 | 2021.3 | 2022.4 | 2022.4 | 2051.0 |
| 17.5°  | 1667.2 | 1633.1 | 1605.6 | 1577.0 | 1606.7 | 1635.3 | 1638.6 | 1641.9 | 1643.0 | 1644.1 | 1641.9 |
| 20°    | 1365.9 | 1382.4 | 1373.6 | 1364.8 | 1375.8 | 1385.7 | 1394.4 | 1402.1 | 1392.3 | 1381.3 | 1353.8 |
| 22.5°  | 1197.6 | 1211.9 | 1222.9 | 1232.8 | 1251.5 | 1269.1 | 1260.3 | 1250.4 | 1230.6 | 1209.7 | 1188.8 |
| 25°    | 1099.7 | 1109.6 | 1120.6 | 1131.6 | 1147.0 | 1161.3 | 1145.9 | 1130.5 | 1116.2 | 1101.9 | 1087.6 |
| 27.5°  | 1017.2 | 1027.1 | 1037.0 | 1045.8 | 1060.1 | 1073.3 | 1059.0 | 1044.7 | 1032.6 | 1020.5 | 1009.5 |
| 30°    | 950.2  | 956.8  | 964.5  | 972.2  | 985.4  | 997.4  | 985.4  | 972.2  | 963.4  | 953.5  | 945.8  |
| 32.5°  | 893.0  | 899.6  | 902.9  | 906.2  | 918.3  | 930.4  | 921.6  | 912.8  | 905.1  | 897.4  | 891.9  |
| 35°    | 830.3  | 843.5  | 845.7  | 847.9  | 860.0  | 872.1  | 866.6  | 860.0  | 851.2  | 842.4  | 832.5  |
| 37.5°  | 766.5  | 781.9  | 790.7  | 798.4  | 810.5  | 822.6  | 817.1  | 811.6  | 799.5  | 787.4  | 769.8  |
| 40°    | 712.6  | 719.2  | 735.7  | 751.1  | 770.9  | 789.6  | 778.6  | 766.5  | 747.8  | 729.1  | 720.3  |
| 42.5°  | 667.5  | 666.4  | 681.8  | 697.2  | 726.9  | 755.5  | 735.7  | 715.9  | 698.3  | 680.7  | 678.5  |
| 45°    | 627.9  | 624.6  | 632.3  | 640.0  | 671.9  | 702.7  | 682.9  | 662.0  | 652.1  | 642.2  | 642.2  |
| 47.5°  | 592.8  | 590.6  | 596.1  | 600.4  | 620.2  | 638.9  | 629.0  | 619.1  | 613.6  | 608.1  | 609.2  |
| 50°    | 560.9  | 558.7  | 564.2  | 568.6  | 576.3  | 582.9  | 585.1  | 586.2  | 582.9  | 579.6  | 581.8  |
| 52.5°  | 531.2  | 531.2  | 533.4  | 534.5  | 544.4  | 554.3  | 554.3  | 553.2  | 553.2  | 553.2  | 555.4  |
| 55°    | 505.9  | 508.1  | 508.1  | 508.1  | 523.5  | 537.8  | 533.4  | 529.0  | 530.1  | 530.1  | 532.3  |
| 57.5°  | 480.6  | 483.9  | 486.1  | 488.3  | 503.7  | 519.1  | 514.7  | 510.3  | 510.3  | 510.3  | 511.4  |
| 60°    | 452.0  | 456.4  | 460.8  | 465.2  | 480.6  | 496.0  | 491.6  | 486.1  | 487.2  | 488.3  | 489.4  |
| 62.5°  | 424.5  | 428.9  | 433.3  | 437.7  | 453.1  | 468.5  | 464.1  | 458.6  | 461.9  | 464.1  | 464.1  |
| 65°    | 398.1  | 401.4  | 405.8  | 410.2  | 424.5  | 438.8  | 434.4  | 430.0  | 434.4  | 437.7  | 439.9  |
| 67.5°  | 368.4  | 370.6  | 375.0  | 379.4  | 393.7  | 408.0  | 403.6  | 398.1  | 403.6  | 408.0  | 412.4  |
| 70°    | 334.3  | 336.5  | 342.0  | 346.4  | 360.7  | 375.0  | 369.5  | 364.0  | 369.5  | 375.0  | 379.4  |
| 72.5°  | 296.9  | 299.1  | 304.6  | 309.0  | 325.5  | 342.0  | 335.4  | 328.8  | 335.4  | 342.0  | 344.2  |
| 75°    | 256.2  | 258.4  | 265.0  | 270.5  | 287.0  | 303.5  | 298.0  | 291.4  | 296.9  | 302.4  | 303.5  |
| 77.5°  | 212.2  | 215.5  | 224.3  | 233.1  | 246.3  | 259.5  | 256.2  | 252.9  | 256.2  | 259.5  | 259.5  |
| 80°    | 166.1  | 169.4  | 180.4  | 190.3  | 198.0  | 205.6  | 206.7  | 207.8  | 208.9  | 210.0  | 208.9  |
| 82.5°  | 123.2  | 127.6  | 137.5  | 147.4  | 147.4  | 147.4  | 156.2  | 163.9  | 163.9  | 162.8  | 161.7  |
| 85°    | 75.9   | 81.4   | 90.2   | 99.0   | 93.5   | 88.0   | 102.3  | 115.5  | 115.5  | 114.4  | 112.2  |
| 87.5°  | 15.4   | 20.9   | 29.7   | 37.4   | 31.9   | 26.4   | 40.7   | 55.0   | 56.1   | 56.1   | 53.9   |
| 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: P320698

CATALOG NUMBER: GLEON-SA4D-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  |



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CATALOG NUMBER: GLEON-SA4D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 |
| 2.5°   | 7028.3 | 7114.1 | 7198.8 | 7220.8 | 7253.8 | 7268.1 | 7281.3 | 7389.0 | 7495.7 | 7621.1 | 7746.5 |
| 5°     | 5629.5 | 5693.3 | 5757.1 | 5767.0 | 5801.0 | 5818.6 | 5836.2 | 5967.1 | 6096.9 | 6271.7 | 6446.6 |
| 7.5°   | 4242.7 | 4258.1 | 4273.5 | 4271.3 | 4299.9 | 4338.4 | 4375.8 | 4515.5 | 4654.0 | 4842.1 | 5029.0 |
| 10°    | 3213.4 | 3248.6 | 3282.7 | 3314.6 | 3377.3 | 3449.8 | 3521.3 | 3664.3 | 3807.2 | 3993.1 | 4177.8 |
| 12.5°  | 2545.9 | 2586.5 | 2626.1 | 2661.3 | 2733.9 | 2830.7 | 2926.4 | 3097.9 | 3269.5 | 3491.6 | 3712.7 |
| 15°    | 2078.5 | 2075.2 | 2071.9 | 2096.1 | 2159.9 | 2265.4 | 2369.9 | 2551.4 | 2732.8 | 2977.0 | 3220.0 |
| 17.5°  | 1639.7 | 1623.2 | 1606.7 | 1625.4 | 1684.8 | 1771.7 | 1857.4 | 2011.4 | 2164.3 | 2400.7 | 2637.1 |
| 20°    | 1326.3 | 1315.3 | 1304.3 | 1321.9 | 1359.3 | 1395.5 | 1431.8 | 1542.9 | 1652.9 | 1845.3 | 2036.7 |
| 22.5°  | 1166.8 | 1165.7 | 1163.5 | 1173.4 | 1191.0 | 1209.7 | 1227.3 | 1281.2 | 1334.0 | 1458.2 | 1581.4 |
| 25°    | 1073.3 | 1072.2 | 1071.1 | 1075.5 | 1089.8 | 1104.1 | 1118.4 | 1153.6 | 1188.8 | 1248.2 | 1307.6 |
| 27.5°  | 998.5  | 996.3  | 994.2  | 995.2  | 998.5  | 1020.5 | 1041.4 | 1057.9 | 1073.3 | 1114.0 | 1153.6 |
| 30°    | 938.1  | 937.0  | 935.9  | 935.9  | 932.6  | 940.3  | 948.0  | 973.3  | 997.4  | 1039.2 | 1081.0 |
| 32.5°  | 886.4  | 880.9  | 875.4  | 863.3  | 855.6  | 866.6  | 877.6  | 904.0  | 930.4  | 968.9  | 1007.3 |
| 35°    | 821.5  | 807.2  | 791.8  | 785.2  | 786.3  | 797.3  | 808.3  | 834.7  | 860.0  | 901.8  | 942.5  |
| 37.5°  | 751.1  | 746.7  | 741.2  | 740.1  | 743.4  | 754.4  | 765.4  | 788.5  | 810.5  | 852.3  | 893.0  |
| 40°    | 711.5  | 709.3  | 707.1  | 704.9  | 707.1  | 718.1  | 729.1  | 751.1  | 772.0  | 812.7  | 852.3  |
| 42.5°  | 676.3  | 675.2  | 674.1  | 674.1  | 675.2  | 687.3  | 699.4  | 721.4  | 742.3  | 778.6  | 814.9  |
| 45°    | 642.2  | 643.3  | 643.3  | 645.5  | 648.8  | 660.9  | 671.9  | 696.1  | 720.3  | 755.5  | 790.7  |
| 47.5°  | 610.3  | 613.6  | 615.8  | 621.3  | 624.6  | 637.8  | 649.9  | 676.3  | 702.7  | 746.7  | 789.6  |
| 50°    | 582.9  | 586.2  | 588.4  | 592.8  | 601.5  | 616.9  | 632.3  | 664.2  | 695.0  | 768.7  | 841.3  |
| 52.5°  | 557.6  | 560.9  | 564.2  | 568.6  | 579.6  | 597.1  | 614.7  | 654.3  | 692.8  | 778.6  | 864.4  |
| 55°    | 534.5  | 537.8  | 540.0  | 546.6  | 557.6  | 573.0  | 587.3  | 635.6  | 684.0  | 746.7  | 809.4  |
| 57.5°  | 512.5  | 515.8  | 518.0  | 522.4  | 527.9  | 544.4  | 559.8  | 611.4  | 663.1  | 707.1  | 750.0  |
| 60°    | 489.4  | 491.6  | 492.7  | 492.7  | 497.1  | 515.8  | 534.5  | 600.4  | 665.3  | 657.6  | 648.8  |
| 62.5°  | 464.1  | 466.3  | 467.4  | 464.1  | 469.6  | 489.4  | 509.2  | 595.0  | 680.7  | 627.9  | 575.2  |
| 65°    | 441.0  | 439.9  | 438.8  | 435.5  | 442.1  | 461.9  | 480.6  | 523.5  | 566.4  | 545.5  | 524.6  |
| 67.5°  | 415.7  | 412.4  | 409.1  | 404.7  | 411.3  | 428.9  | 445.4  | 459.7  | 474.0  | 476.2  | 478.4  |
| 70°    | 383.8  | 379.4  | 375.0  | 373.9  | 377.2  | 391.5  | 405.8  | 415.7  | 424.5  | 428.9  | 432.2  |
| 72.5°  | 346.4  | 343.1  | 339.8  | 337.6  | 338.7  | 350.8  | 361.8  | 370.6  | 379.4  | 382.7  | 384.9  |
| 75°    | 304.6  | 304.6  | 303.5  | 296.9  | 296.9  | 306.8  | 315.6  | 323.3  | 331.0  | 335.4  | 339.8  |
| 77.5°  | 259.5  | 260.6  | 260.6  | 251.8  | 250.7  | 260.6  | 269.4  | 276.0  | 281.5  | 285.9  | 289.2  |
| 80°    | 207.8  | 205.6  | 203.4  | 198.0  | 195.8  | 207.8  | 218.8  | 224.3  | 228.7  | 229.8  | 229.8  |
| 82.5°  | 159.5  | 155.1  | 149.6  | 137.5  | 138.6  | 151.8  | 163.9  | 168.3  | 172.7  | 172.7  | 172.7  |
| 85°    | 108.9  | 100.1  | 90.2   | 80.3   | 81.4   | 95.7   | 108.9  | 113.3  | 117.7  | 119.9  | 121.0  |
| 87.5°  | 51.7   | 42.9   | 33.0   | 25.3   | 25.3   | 37.4   | 48.4   | 50.6   | 52.8   | 57.2   | 61.6   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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 CATALOG NUMBER: GLEON-SA4D-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-SA4D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°    | 265°    | 270°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0°     | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9 | 8379.9  | 8379.9  | 8379.9  |
| 2.5°   | 7842.1 | 7936.7 | 8034.6 | 8132.5 | 8244.6 | 8356.8 | 8487.7 | 8617.4 | 8728.5  | 8839.6  | 8932.0  |
| 5°     | 6597.2 | 6747.9 | 6925.0 | 7102.0 | 7327.5 | 7552.9 | 7828.9 | 8103.9 | 8349.1  | 8594.3  | 8879.2  |
| 7.5°   | 5225.9 | 5421.6 | 5652.6 | 5883.5 | 6174.9 | 6466.4 | 6823.8 | 7181.2 | 7527.6  | 7872.9  | 8310.6  |
| 10°    | 4383.5 | 4589.1 | 4816.8 | 5043.3 | 5340.3 | 5636.1 | 6014.4 | 6391.6 | 6780.9  | 7169.1  | 7664.0  |
| 12.5°  | 3941.4 | 4169.1 | 4369.2 | 4569.4 | 4810.2 | 5049.9 | 5416.1 | 5782.3 | 6239.8  | 6696.2  | 7172.4  |
| 15°    | 3469.6 | 3718.2 | 3957.9 | 4197.6 | 4460.5 | 4722.2 | 5078.5 | 5434.8 | 5935.2  | 6435.6  | 6983.2  |
| 17.5°  | 2898.9 | 3160.6 | 3453.1 | 3744.6 | 4087.7 | 4429.7 | 4886.1 | 5342.5 | 5935.2  | 6526.9  | 7172.4  |
| 20°    | 2303.9 | 2571.2 | 2920.9 | 3270.6 | 3697.3 | 4122.9 | 4714.5 | 5306.2 | 6104.6  | 6901.9  | 7725.6  |
| 22.5°  | 1817.8 | 2053.2 | 2434.8 | 2815.3 | 3308.0 | 3800.6 | 4559.5 | 5317.2 | 6360.8  | 7403.3  | 8515.2  |
| 25°    | 1473.6 | 1639.7 | 2014.7 | 2388.6 | 2957.2 | 3525.7 | 4464.9 | 5402.9 | 6733.6  | 8063.2  | 9442.2  |
| 27.5°  | 1262.5 | 1371.4 | 1721.1 | 2069.7 | 2691.0 | 3311.3 | 4426.4 | 5540.4 | 7206.5  | 8872.6  | 10450.7 |
| 30°    | 1156.9 | 1232.8 | 1528.6 | 1823.3 | 2454.6 | 3085.8 | 4380.2 | 5674.6 | 7661.8  | 9647.9  | 11239.2 |
| 32.5°  | 1068.9 | 1129.4 | 1382.4 | 1634.2 | 2250.0 | 2865.9 | 4291.1 | 5715.3 | 7979.6  | 10243.9 | 11906.7 |
| 35°    | 994.2  | 1044.7 | 1264.7 | 1484.6 | 2089.5 | 2694.3 | 4141.6 | 5588.8 | 8178.6  | 10768.5 | 12601.7 |
| 37.5°  | 933.7  | 973.3  | 1176.7 | 1380.2 | 1950.9 | 2521.7 | 3971.1 | 5420.5 | 8355.7  | 11290.9 | 13383.6 |
| 40°    | 886.4  | 920.5  | 1110.7 | 1301.0 | 1818.9 | 2336.9 | 3824.8 | 5311.7 | 8599.8  | 11888.0 | 14209.5 |
| 42.5°  | 860.0  | 904.0  | 1053.5 | 1202.0 | 1693.6 | 2185.2 | 3707.2 | 5229.2 | 8826.4  | 12422.5 | 14932.0 |
| 45°    | 853.4  | 916.1  | 1023.8 | 1131.6 | 1600.1 | 2068.6 | 3602.7 | 5135.7 | 8972.6  | 12809.6 | 15476.4 |
| 47.5°  | 842.4  | 894.1  | 1000.7 | 1107.4 | 1553.9 | 1999.3 | 3546.6 | 5092.8 | 9118.9  | 13143.9 | 15928.4 |
| 50°    | 849.0  | 855.6  | 982.1  | 1107.4 | 1547.3 | 1987.2 | 3610.4 | 5233.6 | 9435.6  | 13636.6 | 16445.3 |
| 52.5°  | 836.9  | 808.3  | 946.9  | 1085.4 | 1546.2 | 2007.0 | 3794.0 | 5581.1 | 10024.0 | 14465.8 | 17005.0 |
| 55°    | 773.1  | 735.7  | 880.9  | 1026.0 | 1523.1 | 2019.1 | 4012.9 | 6005.6 | 10813.6 | 15620.5 | 18011.3 |
| 57.5°  | 717.0  | 682.9  | 806.1  | 928.2  | 1452.7 | 1977.3 | 4238.3 | 6498.3 | 11648.3 | 16797.2 | 19145.1 |
| 60°    | 642.2  | 634.5  | 722.5  | 810.5  | 1343.9 | 1876.1 | 4424.2 | 6971.1 | 12209.1 | 17446.0 | 19581.7 |
| 62.5°  | 580.7  | 585.1  | 649.9  | 714.8  | 1207.5 | 1699.1 | 4485.8 | 7271.4 | 12193.7 | 17116.1 | 19141.8 |
| 65°    | 533.4  | 541.1  | 604.8  | 668.6  | 1090.9 | 1513.2 | 4283.4 | 7052.5 | 11576.8 | 16100.0 | 18271.9 |
| 67.5°  | 487.2  | 496.0  | 571.9  | 646.6  | 987.6  | 1327.4 | 3777.6 | 6226.6 | 10467.2 | 14706.6 | 17165.6 |
| 70°    | 443.2  | 454.2  | 536.7  | 619.1  | 912.8  | 1205.3 | 3125.4 | 5045.5 | 9078.2  | 13109.8 | 15884.4 |
| 72.5°  | 395.9  | 406.9  | 494.9  | 582.9  | 865.5  | 1147.0 | 2548.1 | 3948.0 | 7367.0  | 10785.0 | 13587.1 |
| 75°    | 347.5  | 355.2  | 450.9  | 545.5  | 800.6  | 1055.7 | 1999.3 | 2941.8 | 5638.3  | 8334.8  | 10262.6 |
| 77.5°  | 299.1  | 309.0  | 389.3  | 468.5  | 679.6  | 889.7  | 1506.6 | 2123.6 | 4137.2  | 6149.7  | 7137.2  |
| 80°    | 238.6  | 247.4  | 304.6  | 360.7  | 524.6  | 687.3  | 1035.9 | 1384.6 | 2847.2  | 4309.8  | 4866.3  |
| 82.5°  | 182.6  | 192.5  | 230.9  | 268.3  | 373.9  | 479.5  | 627.9  | 776.4  | 1891.5  | 3005.5  | 3051.7  |
| 85°    | 125.4  | 128.7  | 156.2  | 182.6  | 230.9  | 279.3  | 359.6  | 439.9  | 1251.5  | 2063.1  | 1718.9  |
| 87.5°  | 62.7   | 62.7   | 81.4   | 100.1  | 124.3  | 148.5  | 190.3  | 230.9  | 400.3   | 569.7   | 327.7   |
| 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: P320698  
 CATALOG NUMBER: GLEON-SA4D-750-U-SLR

**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-SA4D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  |
| 2.5°   | 9049.6  | 9129.9  | 9211.3  | 9272.9  | 9335.6  | 9425.7  | 9515.9  | 9532.4  | 9550.0  | 9514.8  | 9479.6  |
| 5°     | 9166.2  | 9409.2  | 9653.4  | 9878.8  | 10104.3 | 10239.5 | 10374.8 | 10402.3 | 10429.8 | 10345.1 | 10259.3 |
| 7.5°   | 8734.0  | 9157.4  | 9580.8  | 9969.0  | 10357.2 | 10592.5 | 10829.0 | 10881.8 | 10935.7 | 10797.1 | 10658.5 |
| 10°    | 8156.6  | 8676.8  | 9197.0  | 9708.4  | 10219.7 | 10561.7 | 10903.8 | 10971.9 | 11040.1 | 10867.5 | 10694.8 |
| 12.5°  | 7710.2  | 8265.5  | 8820.9  | 9359.7  | 9899.7  | 10253.8 | 10607.9 | 10692.6 | 10777.3 | 10651.9 | 10525.5 |
| 15°    | 7572.7  | 8095.1  | 8617.4  | 9087.0  | 9557.7  | 9846.9  | 10137.3 | 10171.3 | 10206.5 | 10186.7 | 10166.9 |
| 17.5°  | 7822.3  | 8294.1  | 8767.0  | 9022.1  | 9278.4  | 9393.8  | 9510.4  | 9547.8  | 9586.3  | 9635.8  | 9686.4  |
| 20°    | 8427.2  | 8759.3  | 9092.5  | 9081.5  | 9069.4  | 9013.3  | 8956.1  | 8946.3  | 8936.4  | 9078.2  | 9221.2  |
| 22.5°  | 9330.1  | 9462.0  | 9595.1  | 9286.1  | 8977.0  | 8789.0  | 8599.8  | 8562.4  | 8524.0  | 8674.6  | 8826.4  |
| 25°    | 10309.9 | 10285.7 | 10260.4 | 9672.1  | 9082.6  | 8724.1  | 8365.6  | 8323.8  | 8282.0  | 8410.7  | 8540.5  |
| 27.5°  | 11279.9 | 11121.5 | 10963.1 | 10163.6 | 9364.1  | 8844.0  | 8323.8  | 8282.0  | 8240.2  | 8354.6  | 8469.0  |
| 30°    | 11991.4 | 11737.3 | 11483.3 | 10578.2 | 9673.2  | 9055.1  | 8437.1  | 8368.9  | 8299.6  | 8440.4  | 8581.1  |
| 32.5°  | 12546.7 | 12205.8 | 11864.9 | 10914.8 | 9964.6  | 9296.0  | 8627.3  | 8520.7  | 8414.0  | 8602.0  | 8790.1  |
| 35°    | 13101.0 | 12621.5 | 12140.9 | 11215.0 | 10287.9 | 9580.8  | 8872.6  | 8741.7  | 8610.8  | 8869.3  | 9127.7  |
| 37.5°  | 13798.2 | 13109.8 | 12420.3 | 11552.6 | 10684.9 | 10007.5 | 9329.0  | 9194.8  | 9060.6  | 9389.4  | 9719.4  |
| 40°    | 14554.8 | 13636.6 | 12718.3 | 11922.1 | 11125.9 | 10598.0 | 10069.1 | 9941.5  | 9812.8  | 10213.1 | 10613.4 |
| 42.5°  | 15183.9 | 14127.0 | 13070.2 | 12367.5 | 11663.7 | 11292.0 | 10919.2 | 10918.1 | 10915.9 | 11321.7 | 11727.5 |
| 45°    | 15695.3 | 14536.1 | 13375.9 | 12801.9 | 12226.7 | 12033.2 | 11839.6 | 11994.7 | 12149.7 | 12516.0 | 12883.3 |
| 47.5°  | 16076.9 | 14879.3 | 13680.6 | 13299.0 | 12917.4 | 12945.9 | 12974.5 | 13290.2 | 13605.8 | 13841.1 | 14077.6 |
| 50°    | 16325.4 | 15190.5 | 14054.5 | 13936.8 | 13819.1 | 14075.4 | 14332.7 | 14694.5 | 15057.4 | 15218.0 | 15378.5 |
| 52.5°  | 16687.2 | 15612.8 | 14537.2 | 14669.2 | 14801.2 | 15324.6 | 15848.1 | 16214.3 | 16580.5 | 16639.9 | 16700.4 |
| 55°    | 17524.1 | 16389.2 | 15253.2 | 15506.1 | 15760.1 | 16527.7 | 17296.5 | 17582.4 | 17868.3 | 17890.3 | 17912.3 |
| 57.5°  | 18712.9 | 17476.8 | 16240.7 | 16513.4 | 16786.2 | 17672.6 | 18560.0 | 18868.0 | 19177.0 | 19134.1 | 19090.1 |
| 60°    | 19602.6 | 18509.4 | 17415.2 | 17690.2 | 17965.1 | 18829.5 | 19693.8 | 20048.0 | 20403.2 | 20308.6 | 20214.0 |
| 62.5°  | 19657.6 | 19073.6 | 18488.6 | 18737.1 | 18986.7 | 19833.5 | 20680.3 | 21044.3 | 21408.3 | 21243.4 | 21078.4 |
| 65°    | 18783.3 | 19045.0 | 19306.7 | 19389.2 | 19471.7 | 20261.3 | 21052.0 | 21330.2 | 21609.6 | 21526.0 | 21442.4 |
| 67.5°  | 17579.1 | 18543.5 | 19509.1 | 19343.0 | 19177.0 | 19547.6 | 19918.2 | 20205.2 | 20492.2 | 20445.0 | 20396.6 |
| 70°    | 16377.1 | 17664.9 | 18952.6 | 18136.6 | 17319.5 | 17166.7 | 17013.8 | 17322.8 | 17633.0 | 17441.6 | 17249.2 |
| 72.5°  | 14330.5 | 15703.0 | 17076.5 | 15573.2 | 14069.9 | 13547.5 | 13025.1 | 13417.7 | 13810.3 | 13505.7 | 13200.0 |
| 75°    | 11249.1 | 12765.6 | 14283.2 | 12489.6 | 10695.9 | 9998.7  | 9301.5  | 9639.1  | 9976.7  | 9767.7  | 9557.7  |
| 77.5°  | 8374.4  | 9868.9  | 11363.4 | 9540.1  | 7715.7  | 7197.7  | 6678.6  | 6778.7  | 6879.9  | 6844.7  | 6808.4  |
| 80°    | 5680.1  | 6721.5  | 7764.0  | 6550.0  | 5335.9  | 5375.4  | 5416.1  | 5368.9  | 5320.5  | 5390.8  | 5461.2  |
| 82.5°  | 3624.7  | 4428.6  | 5233.6  | 4589.1  | 3944.7  | 4314.2  | 4683.7  | 4502.3  | 4319.7  | 4386.8  | 4455.0  |
| 85°    | 2068.6  | 2854.9  | 3642.3  | 3394.8  | 3146.3  | 3361.9  | 3578.5  | 3297.0  | 3015.4  | 3138.6  | 3262.9  |
| 87.5°  | 545.5   | 1579.2  | 2614.0  | 2373.2  | 2132.4  | 1853.0  | 1573.7  | 1200.9  | 828.1   | 1209.7  | 1591.3  |
| 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):**

|        | 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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CATALOG NUMBER: GLEON-SA4D-750-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  | 8379.9  |
| 2.5°   | 9460.9  | 9442.2  | 9375.1  | 9307.0  | 9205.8  | 9122.2  | 8977.0  |
| 5°     | 10140.6 | 10021.8 | 9817.2  | 9611.6  | 9382.8  | 9120.0  | 8828.6  |
| 7.5°   | 10381.4 | 10103.2 | 9710.6  | 9316.9  | 8962.7  | 8547.1  | 8159.9  |
| 10°    | 10279.1 | 9862.3  | 9352.0  | 8840.7  | 8410.7  | 7932.3  | 7502.3  |
| 12.5°  | 10083.4 | 9640.2  | 9078.2  | 8515.2  | 8025.8  | 7512.2  | 7030.5  |
| 15°    | 9813.9  | 9459.8  | 8933.1  | 8406.3  | 7913.6  | 7414.3  | 6843.6  |
| 17.5°  | 9519.2  | 9350.9  | 8970.4  | 8588.8  | 8162.1  | 7678.3  | 7008.5  |
| 20°    | 9281.7  | 9343.3  | 9191.5  | 9039.7  | 8697.7  | 8275.4  | 7523.2  |
| 22.5°  | 9121.1  | 9416.9  | 9533.5  | 9651.2  | 9445.5  | 9115.6  | 8245.7  |
| 25°    | 9030.9  | 9521.4  | 9911.8  | 10303.3 | 10212.0 | 9958.0  | 9123.3  |
| 27.5°  | 9070.5  | 9672.1  | 10278.0 | 10885.1 | 10969.7 | 10899.4 | 10048.2 |
| 30°    | 9189.3  | 9798.5  | 10536.5 | 11275.5 | 11613.1 | 11707.7 | 10819.1 |
| 32.5°  | 9387.2  | 9984.4  | 10788.3 | 11593.3 | 12103.6 | 12404.9 | 11524.0 |
| 35°    | 9686.4  | 10245.0 | 11083.0 | 11921.0 | 12580.8 | 13130.7 | 12252.0 |
| 37.5°  | 10199.9 | 10680.5 | 11453.6 | 12227.8 | 13083.4 | 13909.3 | 13053.7 |
| 40°    | 10952.1 | 11292.0 | 11945.2 | 12599.5 | 13676.2 | 14791.3 | 13947.8 |
| 42.5°  | 11901.2 | 12076.1 | 12594.0 | 13112.0 | 14295.3 | 15591.9 | 14822.1 |
| 45°    | 12929.4 | 12975.6 | 13301.2 | 13627.8 | 14785.8 | 16137.3 | 15478.6 |
| 47.5°  | 13919.2 | 13760.8 | 13890.6 | 14020.4 | 15161.9 | 16526.6 | 15976.8 |
| 50°    | 14937.5 | 14496.6 | 14428.4 | 14360.2 | 15538.0 | 16985.2 | 16610.2 |
| 52.5°  | 15973.5 | 15246.6 | 14977.1 | 14706.6 | 15986.7 | 17593.4 | 17398.7 |
| 55°    | 16987.4 | 16062.6 | 15699.7 | 15336.7 | 16672.9 | 18335.7 | 18556.7 |
| 57.5°  | 18042.1 | 16994.0 | 16657.5 | 16321.0 | 17681.4 | 19276.0 | 19596.0 |
| 60°    | 19177.0 | 18138.8 | 17869.4 | 17598.9 | 18935.0 | 20292.1 | 20059.0 |
| 62.5°  | 20253.6 | 19428.8 | 19287.0 | 19144.0 | 20203.0 | 21072.9 | 19878.6 |
| 65°    | 20972.8 | 20502.1 | 20634.1 | 20767.2 | 21162.0 | 21267.6 | 19350.7 |
| 67.5°  | 20492.2 | 20587.9 | 21145.5 | 21704.1 | 21432.5 | 20689.1 | 18310.4 |
| 70°    | 17822.1 | 18396.2 | 19716.9 | 21038.8 | 20436.2 | 19139.6 | 16443.1 |
| 72.5°  | 13844.4 | 14490.0 | 16450.8 | 18412.7 | 17857.3 | 16269.3 | 13505.7 |
| 75°    | 10285.7 | 11014.8 | 13179.1 | 15343.3 | 14572.4 | 12169.5 | 9669.9  |
| 77.5°  | 7296.7  | 7784.9  | 9921.7  | 12059.6 | 10802.6 | 8100.6  | 6507.1  |
| 80°    | 5311.7  | 5162.1  | 6353.1  | 7544.1  | 7335.2  | 5357.9  | 4178.9  |
| 82.5°  | 4089.9  | 3724.8  | 4285.6  | 4846.5  | 4815.7  | 3718.2  | 3066.0  |
| 85°    | 3116.6  | 2970.4  | 3466.3  | 3962.3  | 3537.8  | 2518.4  | 1948.7  |
| 87.5°  | 1816.7  | 2043.3  | 2627.2  | 3212.3  | 2410.6  | 764.3   | 378.3   |
| 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: P320698  
 CATALOG NUMBER: GLEON-SA4D-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  |

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 .

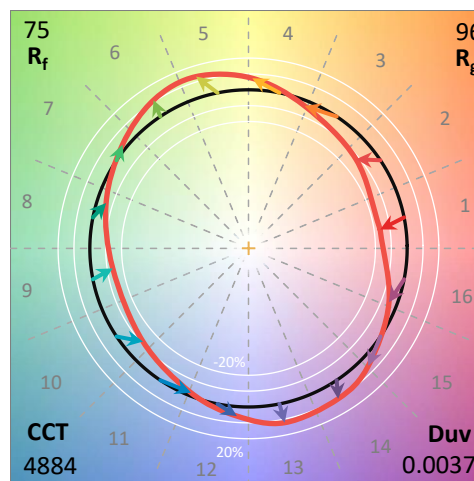
### Test Information

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 |      |       |
| CIE u':                   | 0.2101 | R1:       | 70.5 | R9:  | -28.4 |
| CIE v':                   | 0.4904 | R2:       | 77.7 | R10: | 48.6  |
| Duv:                      | 0.0037 | R3:       | 84.6 | R11: | 73.2  |
| CIE x:                    | 0.3493 | R4:       | 74.7 | R12: | 50.7  |
| CIE y:                    | 0.3624 | R5:       | 71.9 | R13: | 71.2  |
| CIE z:                    | 0.2884 | R6:       | 70.7 | R14: | 91.4  |
| 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

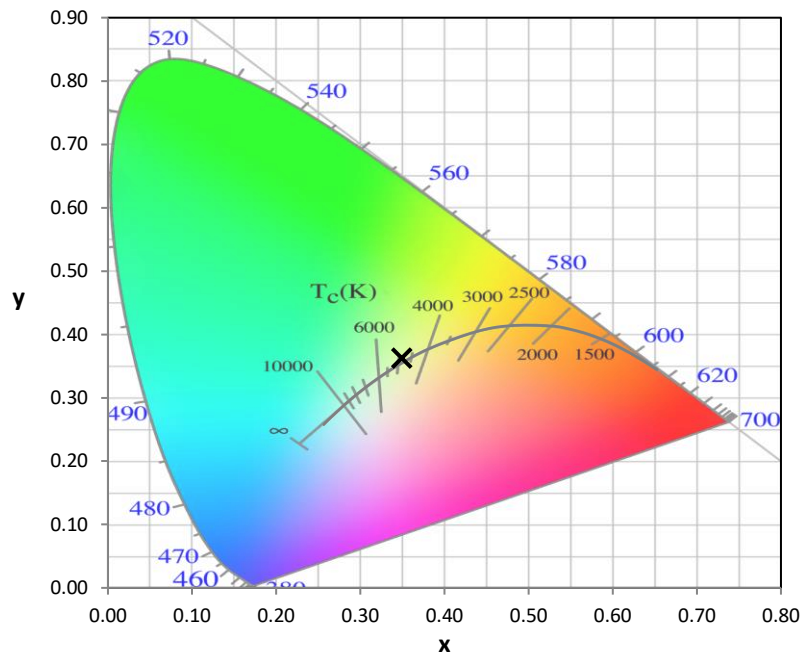
Stabilization Time: 240M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.0./44%  
 Sphere Temperature (°C): 25.7

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

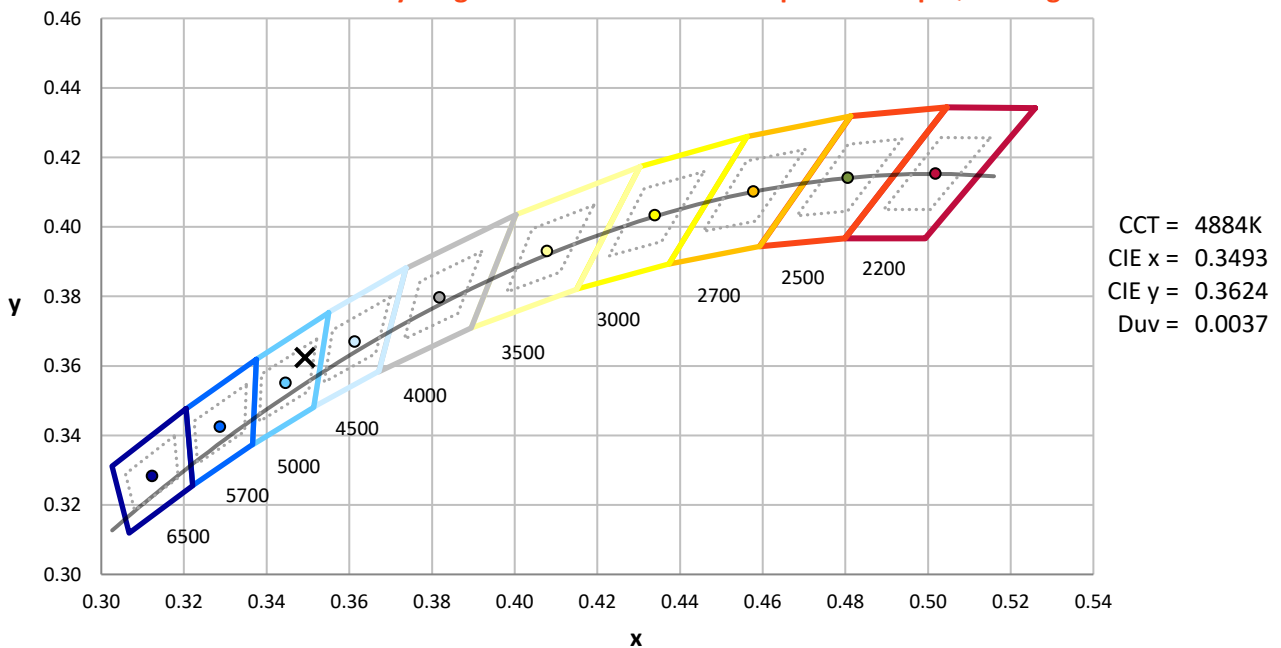
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| 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**

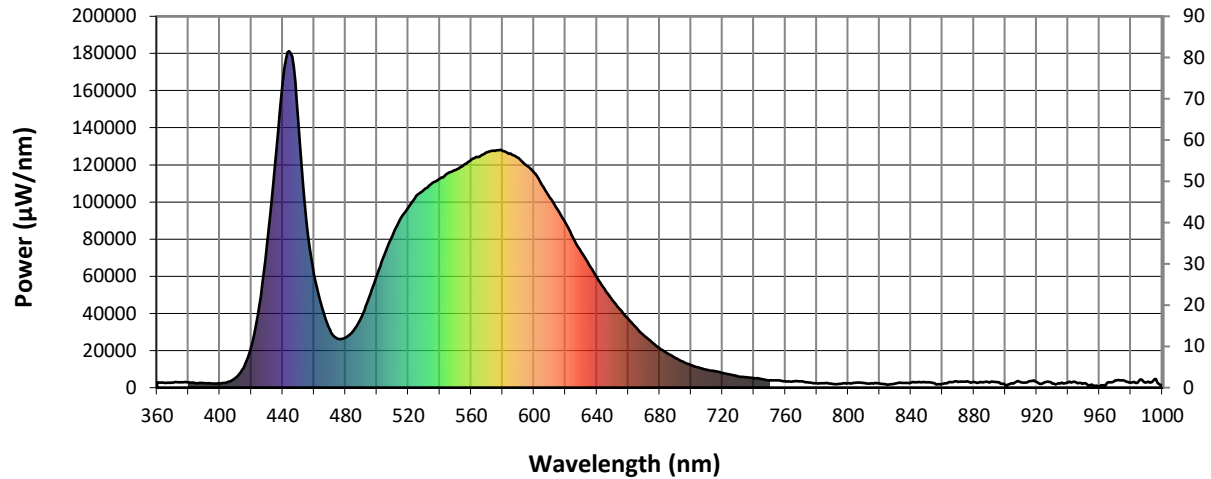


Point lies inside the ANSI 5000K 4-step quadrangle



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

**Photopic Flux vs. Wavelength**

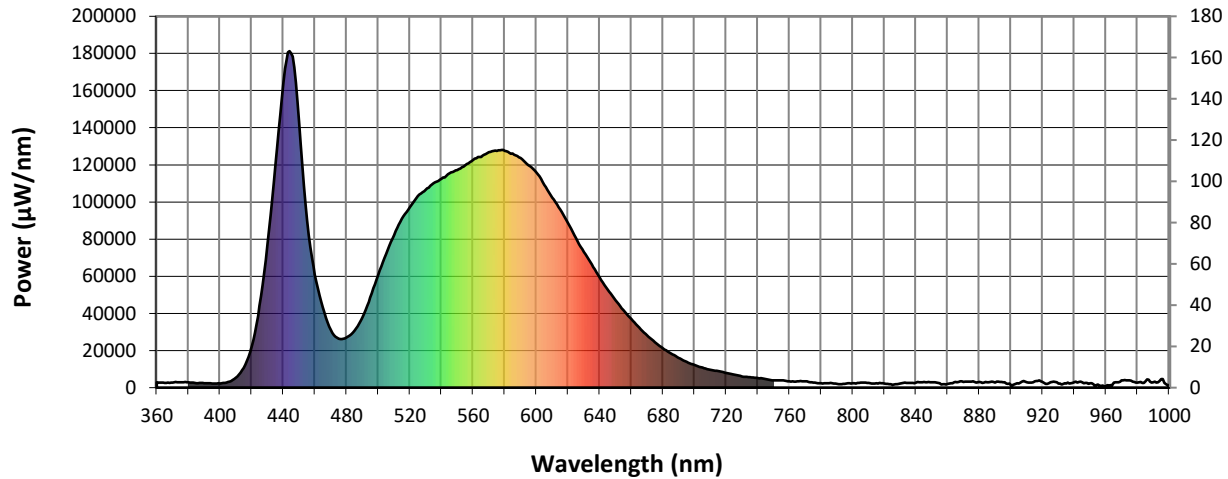


#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 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



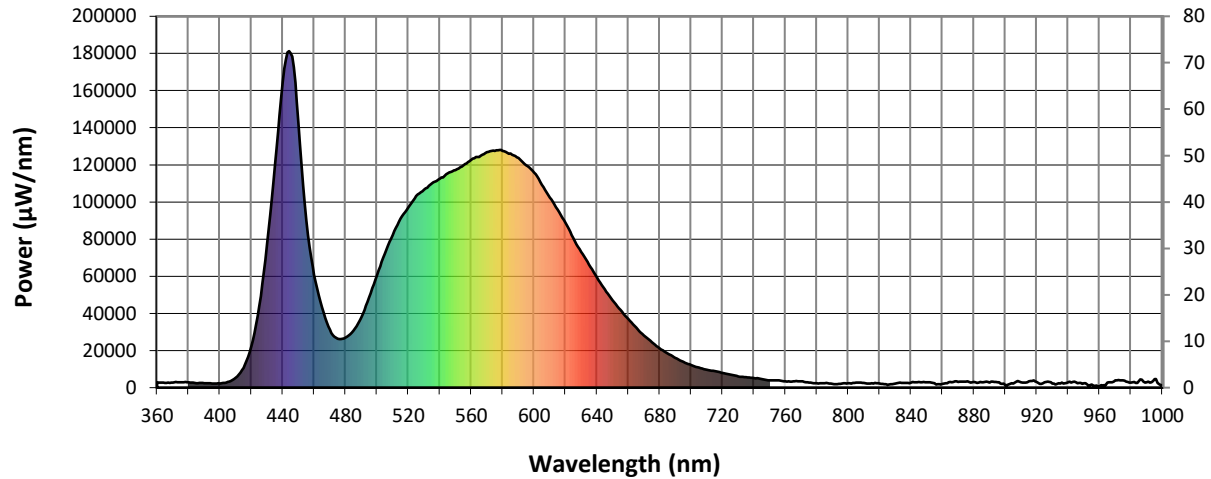
Scotopic Lumens: 13493.5

S/P: 1.77

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 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**

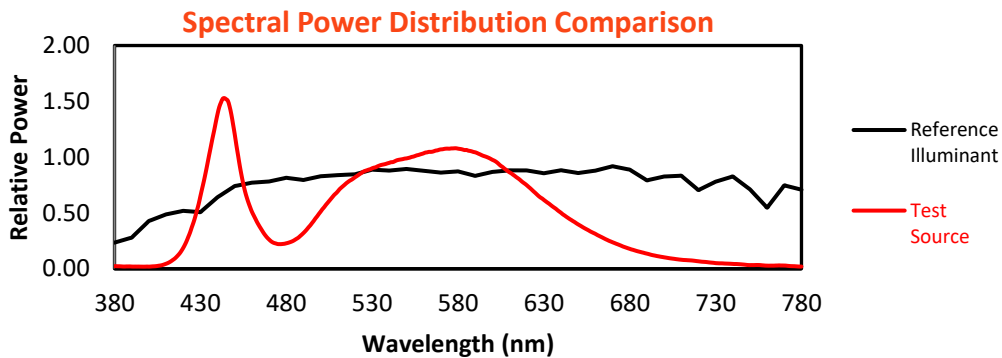
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 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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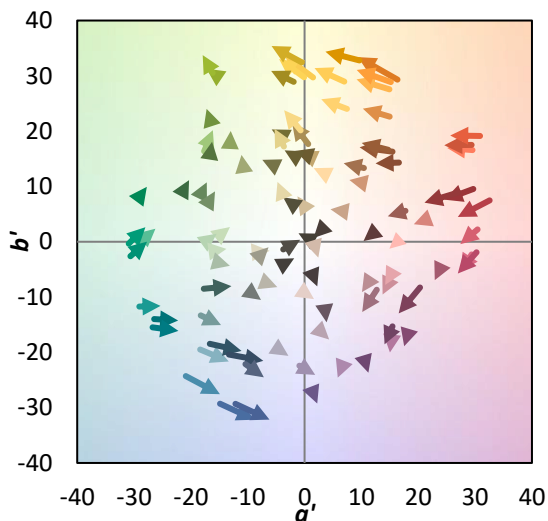
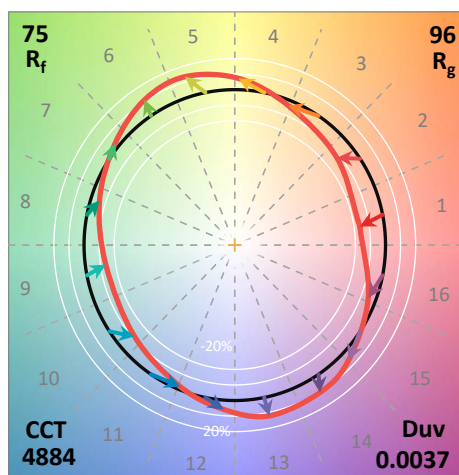
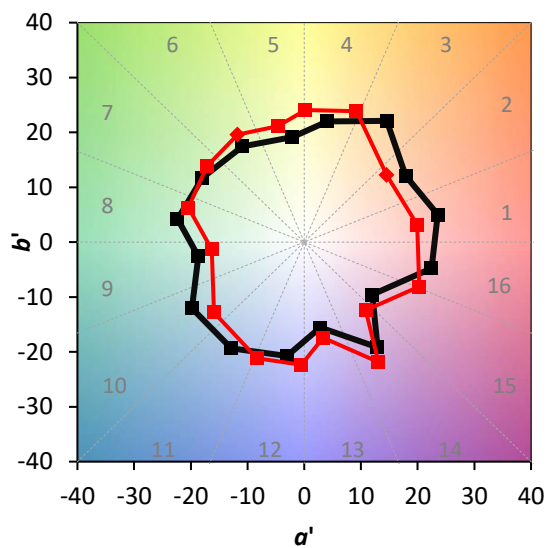
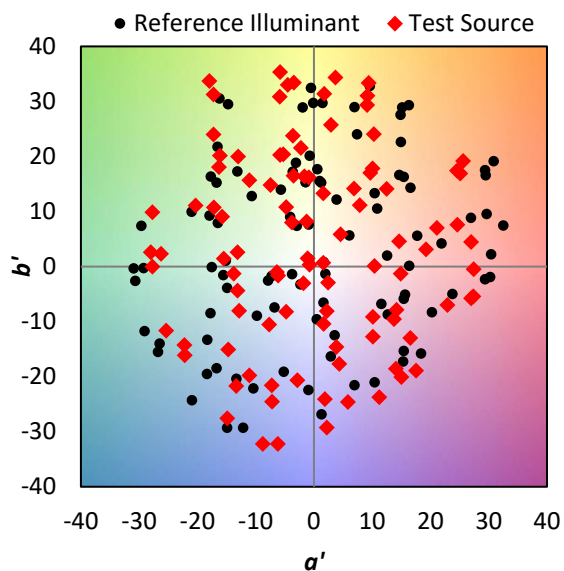
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**Summary**

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



**Color Vector Graphics**

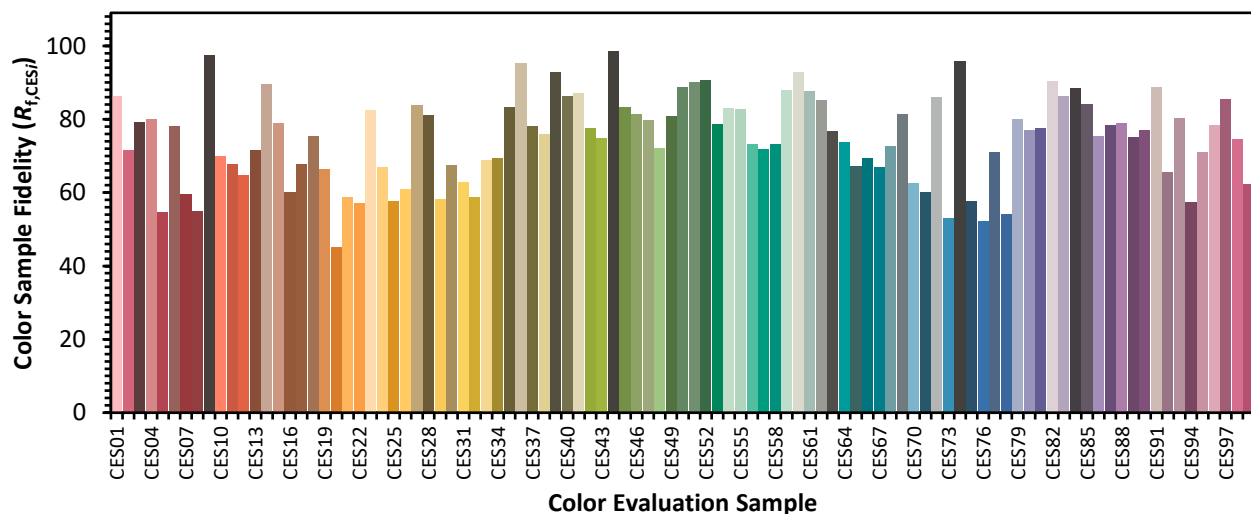


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**Individual Sample Fidelity Index ( $R_{f,i}$ )**

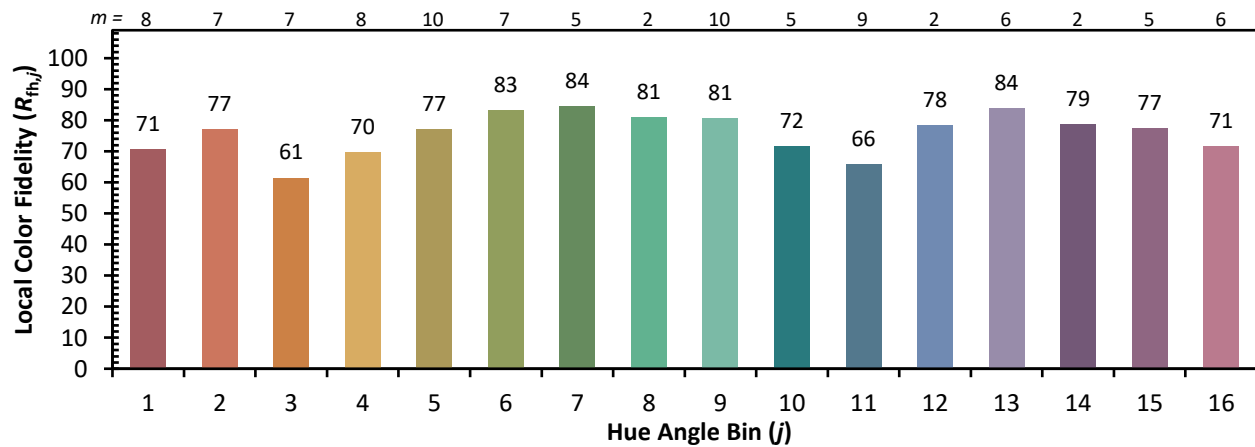
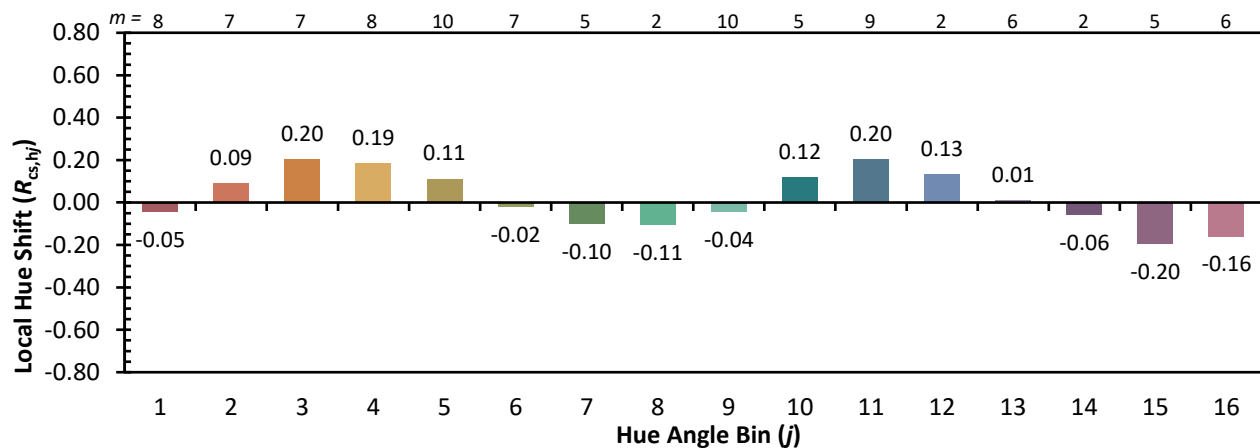
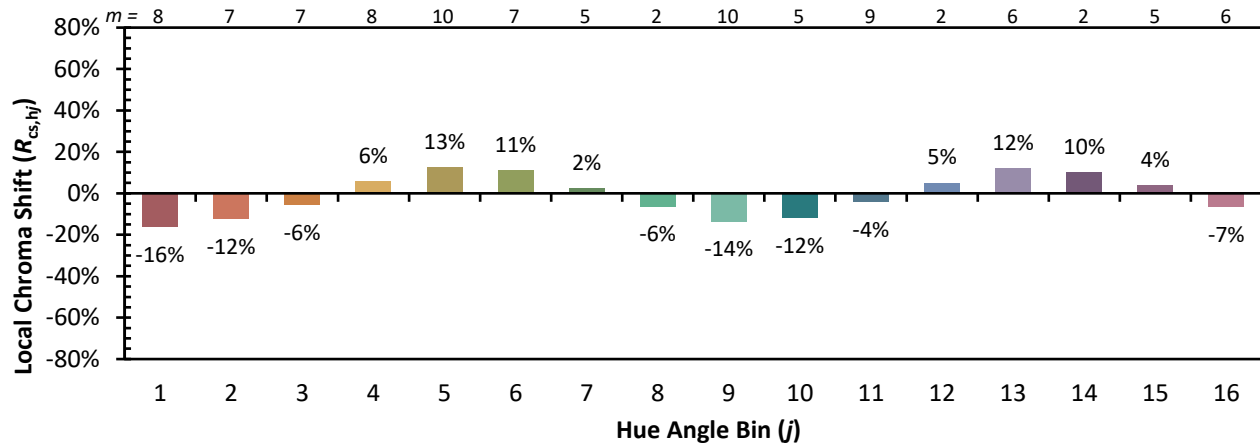
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|------------|------------|------------|------------|
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| CES02 = 60 | CES27 = 84 | CES52 = 91 | CES77 = 71 |
| CES03 = 30 | CES28 = 81 | CES53 = 79 | CES78 = 54 |
| CES04 = 69 | CES29 = 58 | CES54 = 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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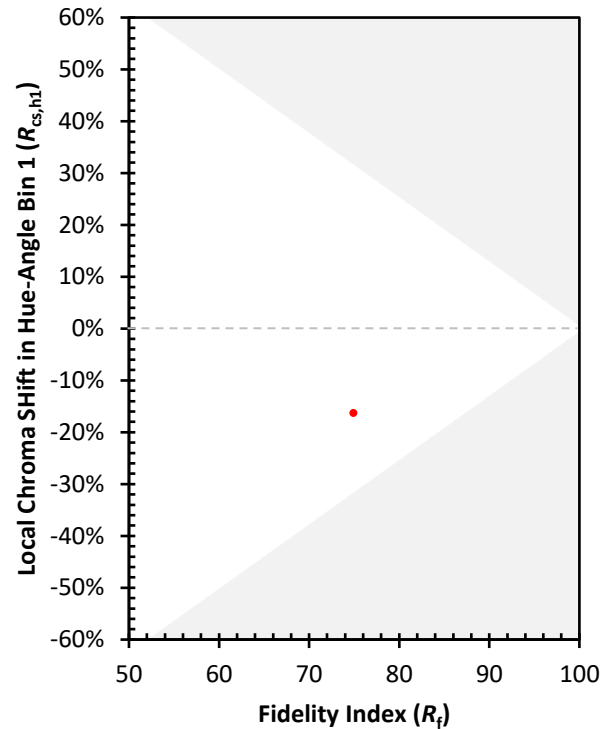
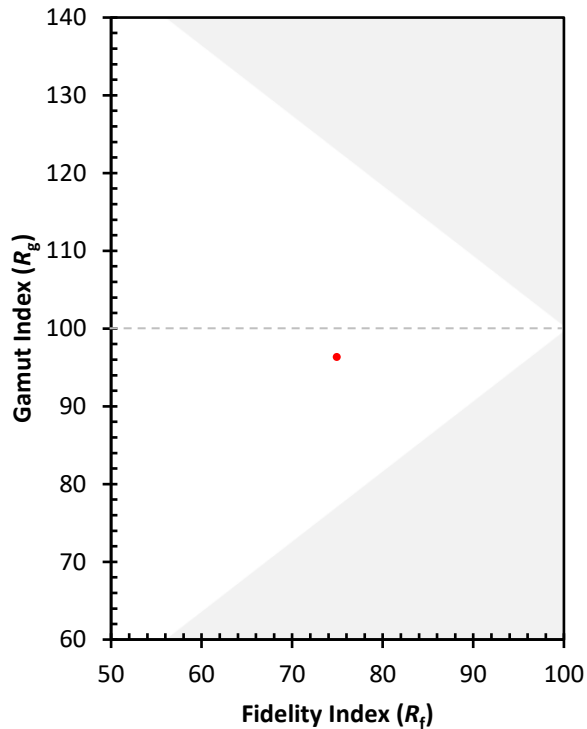
Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)