

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: P320811

Luminaire Tested: **GLEON-SA7C-830-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320811  
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-SA7C-830-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3000K, 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: 34938 lumens  
Efficiency: N/A  
Efficacy: 89.4 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G5

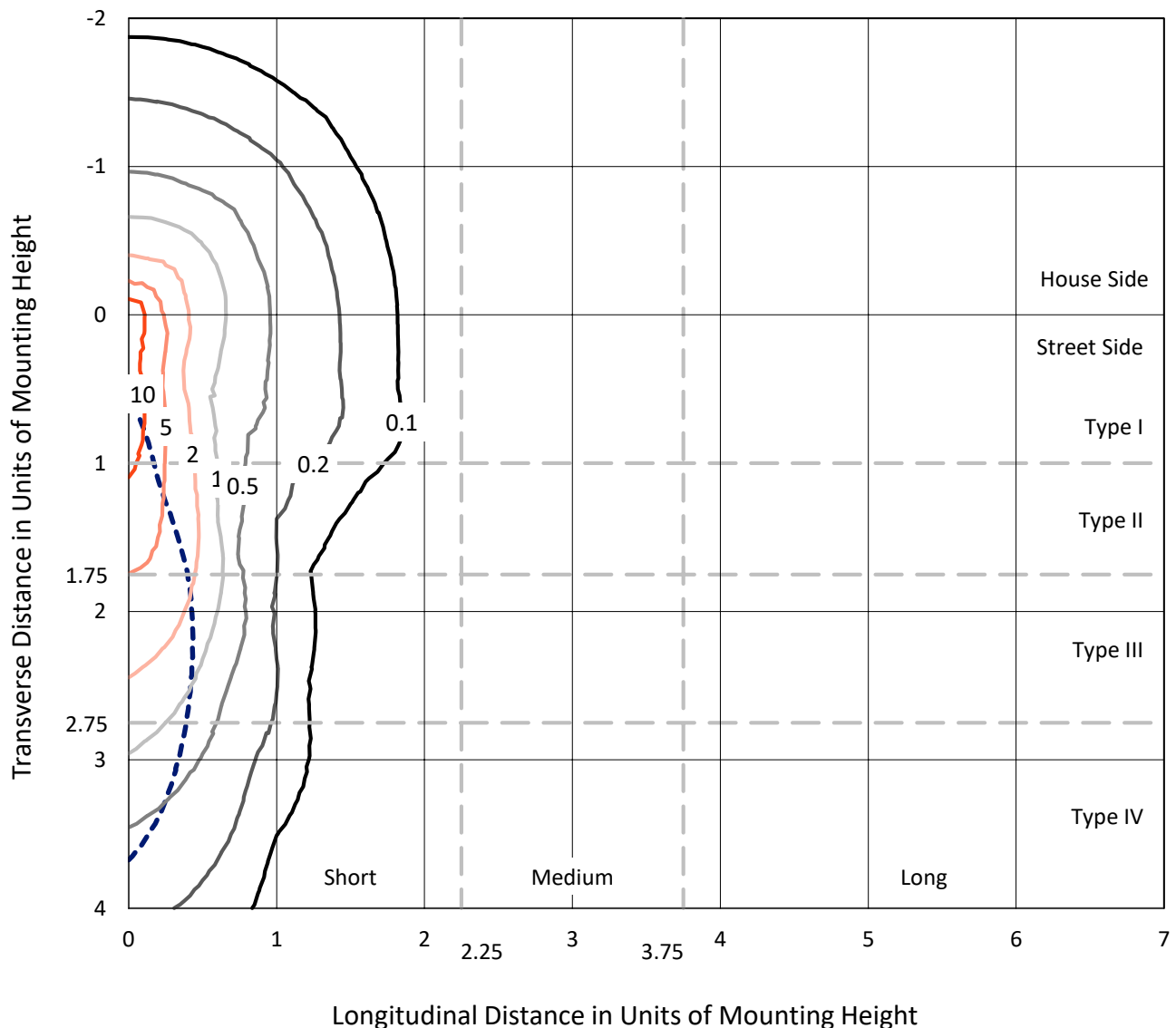
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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## Iso-Footcandle Lines of Horizontal Illumination

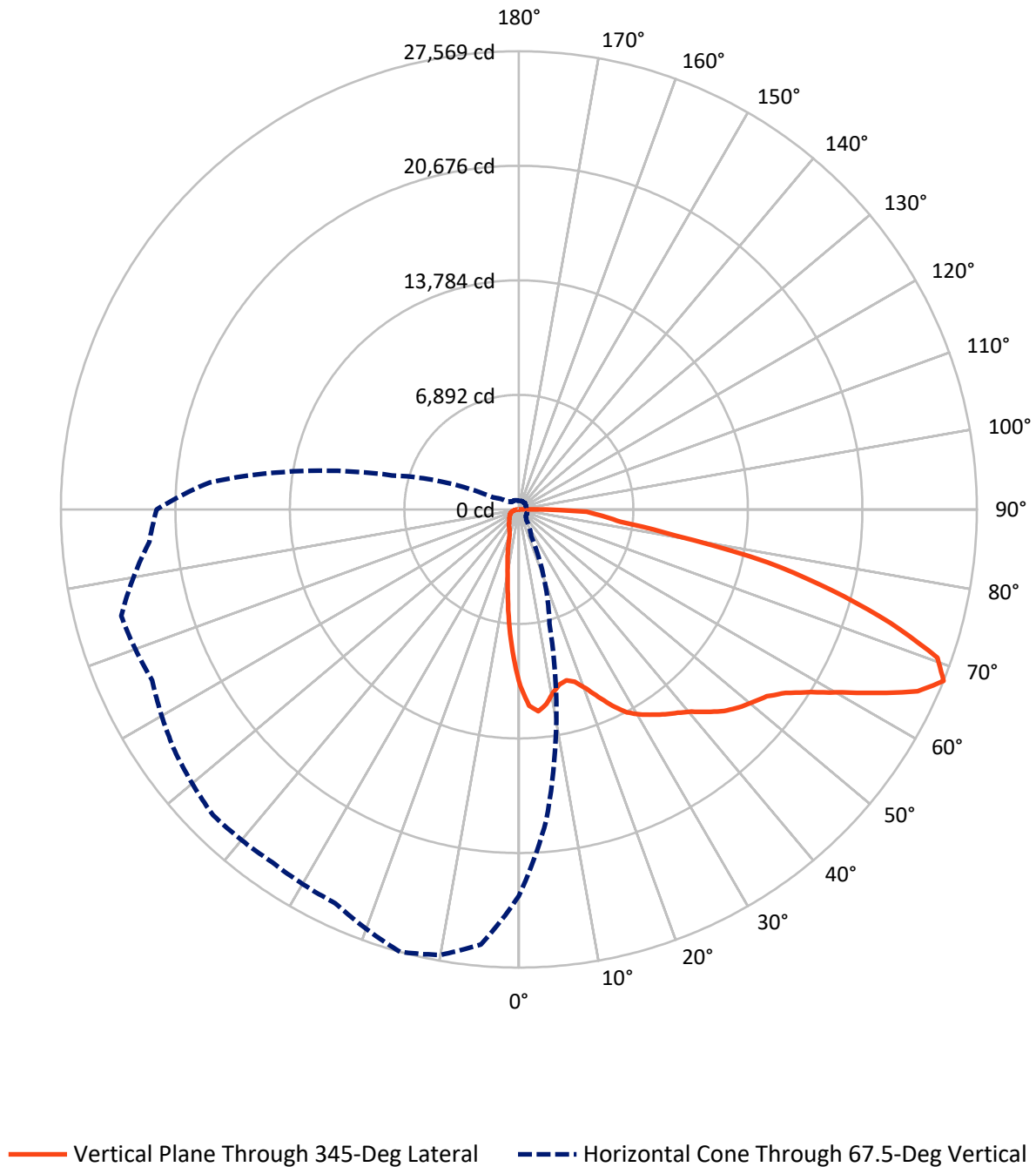
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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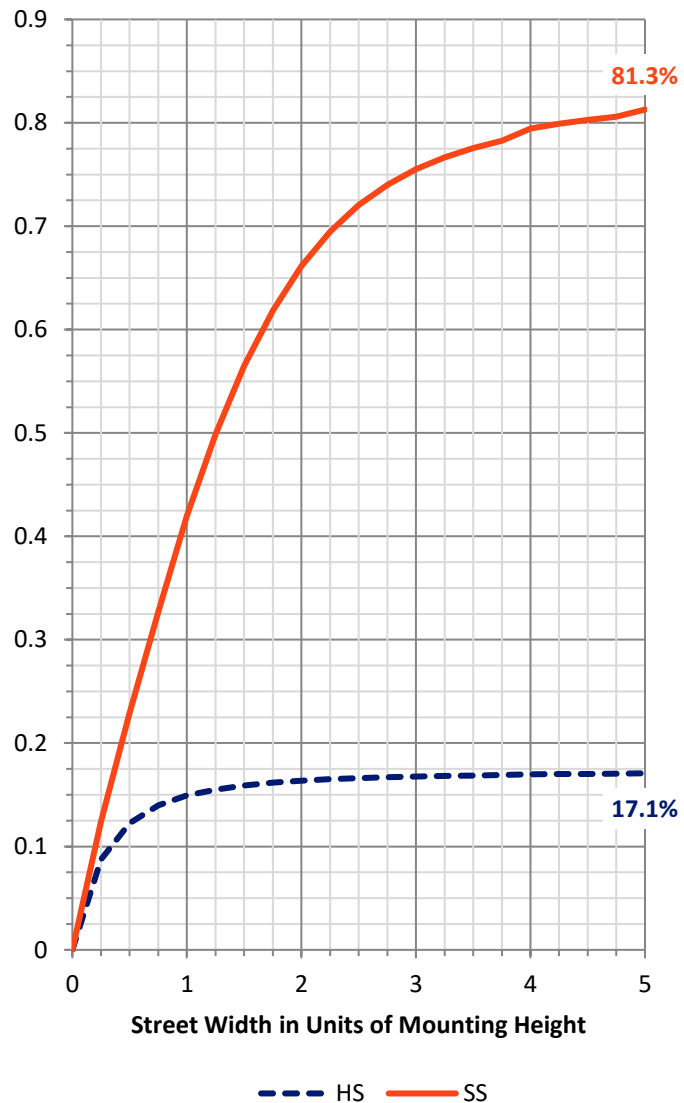
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 6040.0   | 0.0    | 6040.0  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 28898.0  | 0.0    | 28898.0 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 34938.0  | 0.0    | 34938.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 821.5   | 2.4       |
| 10°-20°   | 1706.5  | 4.9       |
| 20°-30°   | 2427.1  | 6.9       |
| 30°-40°   | 3497.4  | 10.0      |
| 40°-50°   | 4928.9  | 14.1      |
| 50°-60°   | 6852.0  | 19.6      |
| 60°-70°   | 8286.1  | 23.7      |
| 70°-80°   | 5093.3  | 14.6      |
| 80°-90°   | 1325.3  | 3.8       |
| 90°-100°  | 0.0     | 0.0       |
| 100°-110° | 0.0     | 0.0       |
| 110°-120° | 0.0     | 0.0       |
| 120°-130° | 0.0     | 0.0       |
| 130°-140° | 0.0     | 0.0       |
| 140°-150° | 0.0     | 0.0       |
| 150°-160° | 0.0     | 0.0       |
| 160°-170° | 0.0     | 0.0       |
| 170°-180° | 0.0     | 0.0       |
| 0°-90°    | 34938.0 | 100.0     |
| 0°-180°   | 34938.0 | 100.0     |

**Coefficient of Utilization**



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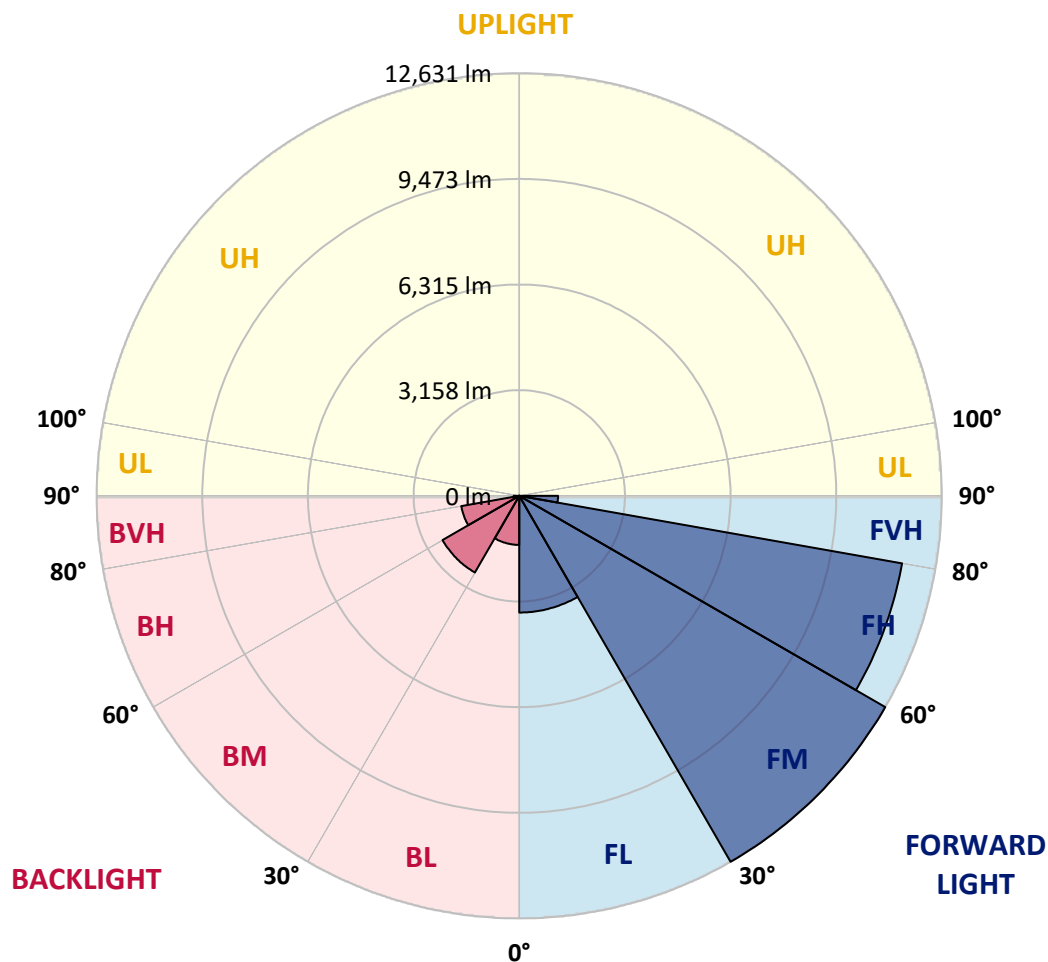
CATALOG NUMBER: GLEON-SA7C-830-U-SLR

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

| Zone |             | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |          |
|------|-------------|---------|-----------|-------------------------|------|----------|
|      |             |         |           | B                       | U    | G        |
| FL   | (0°-30°)    | 3488.6  | 10.0      |                         |      |          |
| FM   | (30°-60°)   | 12631.0 | 36.2      |                         |      |          |
| FH   | (60°-80°)   | 11619.2 | 33.3      |                         |      | G4/12000 |
| FVH  | (80°-90°)   | 1159.2  | 3.3       |                         |      | G5       |
| BL   | (0°-30°)    | 1466.5  | 4.2       | B3/2500                 |      |          |
| BM   | (30°-60°)   | 2647.3  | 7.6       | B3/5000                 |      |          |
| BH   | (60°-80°)   | 1760.2  | 5.0       | B3/2500                 |      | G3/2500  |
| BVH  | (80°-90°)   | 166.1   | 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°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 11402.6 | 11302.0 | 11149.8 | 10997.5 | 10884.4 | 10769.8 | 10639.9 | 10510.0 | 10361.9 | 10212.5 | 10124.5 |
| 5°     | 11214.0 | 10934.7 | 10571.5 | 10208.3 | 9968.0  | 9727.8  | 9455.4  | 9183.0  | 8913.4  | 8643.8  | 8498.5  |
| 7.5°   | 10364.7 | 9945.7  | 9473.5  | 9001.4  | 8652.2  | 8301.6  | 7924.4  | 7545.9  | 7210.6  | 6874.0  | 6665.8  |
| 10°    | 9529.4  | 9026.5  | 8484.6  | 7941.2  | 7494.2  | 7047.2  | 6668.6  | 6288.7  | 6035.8  | 5783.0  | 5591.6  |
| 12.5°  | 8930.2  | 8372.8  | 7776.3  | 7178.5  | 6731.5  | 6284.5  | 6044.2  | 5804.0  | 5594.4  | 5384.9  | 5164.2  |
| 15°    | 8692.7  | 8062.7  | 7452.3  | 6840.4  | 6434.0  | 6027.5  | 5760.7  | 5492.5  | 5211.7  | 4929.5  | 4658.5  |
| 17.5°  | 8902.2  | 8164.7  | 7501.2  | 6837.6  | 6305.4  | 5773.2  | 5400.3  | 5025.9  | 4655.7  | 4285.6  | 3971.3  |
| 20°    | 9555.9  | 8614.5  | 7747.0  | 6878.2  | 6169.9  | 5461.7  | 4961.7  | 4460.2  | 3985.3  | 3510.3  | 3154.1  |
| 22.5°  | 10473.7 | 9227.7  | 8094.8  | 6962.0  | 6047.0  | 5130.7  | 4503.5  | 3874.9  | 3313.4  | 2751.8  | 2402.6  |
| 25°    | 11588.4 | 10040.7 | 8596.3  | 7150.5  | 5996.7  | 4841.5  | 4070.5  | 3299.4  | 2707.1  | 2113.5  | 1864.8  |
| 27.5°  | 12763.1 | 11010.1 | 9219.3  | 7427.1  | 6005.1  | 4583.1  | 3705.9  | 2827.3  | 2293.7  | 1760.0  | 1589.6  |
| 30°    | 13742.3 | 12117.8 | 9945.7  | 7772.2  | 6037.2  | 4302.3  | 3362.3  | 2422.2  | 1982.2  | 1542.1  | 1431.8  |
| 32.5°  | 14637.7 | 12890.3 | 10493.2 | 8094.8  | 6073.6  | 4050.9  | 3096.8  | 2141.4  | 1782.4  | 1422.0  | 1331.2  |
| 35°    | 15562.5 | 13576.1 | 10876.0 | 8174.4  | 6010.7  | 3845.6  | 2915.3  | 1984.9  | 1653.9  | 1321.4  | 1244.6  |
| 37.5°  | 16580.8 | 14317.9 | 11244.8 | 8170.3  | 5904.5  | 3638.8  | 2774.2  | 1908.1  | 1570.1  | 1230.6  | 1174.8  |
| 40°    | 17716.4 | 15137.8 | 11644.3 | 8150.7  | 5808.2  | 3464.2  | 2669.4  | 1873.2  | 1524.0  | 1173.4  | 1125.9  |
| 42.5°  | 18826.9 | 15920.1 | 12015.8 | 8111.6  | 5729.9  | 3346.9  | 2566.0  | 1785.2  | 1482.1  | 1177.6  | 1110.5  |
| 45°    | 19660.9 | 16603.1 | 12338.5 | 8072.5  | 5671.3  | 3270.1  | 2485.0  | 1700.0  | 1443.0  | 1185.9  | 1100.7  |
| 47.5°  | 20293.6 | 17289.0 | 12696.1 | 8101.8  | 5665.7  | 3229.5  | 2427.7  | 1625.9  | 1368.9  | 1110.5  | 1075.6  |
| 50°    | 21098.2 | 18113.1 | 13217.1 | 8321.1  | 5742.5  | 3163.9  | 2360.7  | 1556.1  | 1297.7  | 1039.3  | 1086.8  |
| 52.5°  | 22099.8 | 19289.3 | 14024.5 | 8758.3  | 5903.1  | 3048.0  | 2254.5  | 1461.1  | 1211.1  | 959.6   | 1033.7  |
| 55°    | 23570.7 | 20796.5 | 15056.8 | 9315.7  | 6097.3  | 2877.5  | 2093.9  | 1308.9  | 1096.5  | 882.8   | 948.5   |
| 57.5°  | 24890.7 | 22319.1 | 16047.2 | 9773.9  | 6218.8  | 2662.4  | 1891.4  | 1120.3  | 968.0   | 815.8   | 853.5   |
| 60°    | 25478.8 | 23104.1 | 16510.9 | 9916.3  | 6146.2  | 2376.1  | 1663.7  | 949.9   | 854.9   | 759.9   | 752.9   |
| 62.5°  | 25249.7 | 22605.5 | 16054.2 | 9502.9  | 5791.4  | 2079.9  | 1462.5  | 845.1   | 773.9   | 701.2   | 685.9   |
| 65°    | 24579.2 | 21038.2 | 14774.6 | 8511.1  | 5192.1  | 1873.2  | 1335.4  | 797.6   | 718.0   | 638.4   | 621.6   |
| 67.5°  | 23257.8 | 18807.4 | 12961.5 | 7115.6  | 4430.9  | 1746.1  | 1262.8  | 779.5   | 683.1   | 585.3   | 565.7   |
| 70°    | 20885.9 | 16122.6 | 10873.2 | 5622.4  | 3645.8  | 1667.9  | 1215.3  | 762.7   | 645.4   | 526.6   | 508.5   |
| 72.5°  | 17154.9 | 12926.6 | 8682.9  | 4437.8  | 3048.0  | 1658.1  | 1209.7  | 761.3   | 614.6   | 467.9   | 451.2   |
| 75°    | 12282.6 | 9818.6  | 6628.1  | 3436.3  | 2496.2  | 1556.1  | 1148.2  | 740.3   | 572.7   | 403.7   | 388.3   |
| 77.5°  | 8265.2  | 6795.7  | 4606.9  | 2416.6  | 1852.2  | 1287.9  | 965.2   | 642.6   | 490.3   | 338.0   | 322.7   |
| 80°    | 5308.1  | 4703.2  | 3087.1  | 1470.9  | 1201.3  | 931.7   | 690.1   | 448.4   | 357.6   | 265.4   | 252.8   |
| 82.5°  | 3894.5  | 3500.5  | 2145.6  | 790.6   | 667.7   | 543.4   | 421.9   | 300.3   | 244.5   | 188.6   | 183.0   |
| 85°    | 2475.2  | 2729.5  | 1579.9  | 430.2   | 352.0   | 273.8   | 226.3   | 178.8   | 141.1   | 103.4   | 103.4   |
| 87.5°  | 480.5   | 664.9   | 437.2   | 208.1   | 152.3   | 96.4    | 82.4    | 67.0    | 37.7    | 7.0     | 8.4     |
| 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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**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°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 10035.1 | 9938.7  | 9842.3  | 9733.3  | 9623.0  | 9521.0  | 9417.7  | 9304.5  | 9325.5  | 9238.9  | 9152.3  |
| 5°     | 8353.2  | 8199.6  | 8044.5  | 7910.4  | 7776.3  | 7660.4  | 7543.1  | 7438.3  | 7529.1  | 7467.6  | 7406.2  |
| 7.5°   | 6456.3  | 6266.3  | 6075.0  | 5914.3  | 5753.7  | 5629.4  | 5503.6  | 5417.0  | 5506.4  | 5495.3  | 5484.1  |
| 10°    | 5400.3  | 5215.9  | 5030.1  | 4852.7  | 4675.3  | 4524.4  | 4372.2  | 4243.7  | 4221.3  | 4157.1  | 4091.4  |
| 12.5°  | 4942.1  | 4689.3  | 4435.0  | 4249.3  | 4063.5  | 3883.3  | 3703.1  | 3552.2  | 3483.8  | 3377.6  | 3270.1  |
| 15°    | 4387.5  | 4088.6  | 3789.7  | 3578.8  | 3366.4  | 3191.8  | 3015.8  | 2885.9  | 2842.6  | 2760.2  | 2677.8  |
| 17.5°  | 3657.0  | 3330.1  | 3003.3  | 2789.5  | 2574.4  | 2434.7  | 2293.7  | 2207.0  | 2207.0  | 2183.3  | 2159.6  |
| 20°    | 2797.9  | 2506.0  | 2214.0  | 2050.6  | 1887.2  | 1813.1  | 1737.7  | 1701.4  | 1712.6  | 1714.0  | 1714.0  |
| 22.5°  | 2052.0  | 1873.2  | 1694.4  | 1628.7  | 1561.7  | 1535.2  | 1508.6  | 1493.2  | 1498.8  | 1500.2  | 1501.6  |
| 25°    | 1616.2  | 1547.7  | 1477.9  | 1444.4  | 1409.4  | 1392.7  | 1375.9  | 1370.3  | 1382.9  | 1384.3  | 1384.3  |
| 27.5°  | 1419.2  | 1377.3  | 1334.0  | 1313.1  | 1290.7  | 1283.7  | 1276.7  | 1267.0  | 1279.5  | 1279.5  | 1278.1  |
| 30°    | 1320.0  | 1275.3  | 1230.6  | 1204.1  | 1177.6  | 1180.4  | 1181.7  | 1179.0  | 1187.3  | 1192.9  | 1197.1  |
| 32.5°  | 1239.0  | 1195.7  | 1152.4  | 1125.9  | 1097.9  | 1093.7  | 1089.6  | 1086.8  | 1104.9  | 1114.7  | 1124.5  |
| 35°    | 1166.4  | 1118.9  | 1071.4  | 1046.3  | 1021.1  | 1011.3  | 1001.6  | 994.6   | 1011.3  | 1023.9  | 1036.5  |
| 37.5°  | 1117.5  | 1068.6  | 1018.3  | 994.6   | 969.4   | 956.9   | 944.3   | 935.9   | 942.9   | 948.5   | 954.1   |
| 40°    | 1078.4  | 1028.1  | 976.4   | 948.5   | 920.5   | 908.0   | 895.4   | 888.4   | 892.6   | 894.0   | 895.4   |
| 42.5°  | 1042.1  | 993.2   | 944.3   | 913.5   | 881.4   | 866.1   | 850.7   | 842.3   | 845.1   | 847.9   | 849.3   |
| 45°    | 1015.5  | 966.6   | 916.3   | 880.0   | 842.3   | 825.5   | 808.8   | 799.0   | 800.4   | 800.4   | 800.4   |
| 47.5°  | 1040.7  | 969.4   | 896.8   | 854.9   | 811.6   | 792.0   | 772.5   | 762.7   | 759.9   | 757.1   | 754.3   |
| 50°    | 1132.9  | 1011.3  | 888.4   | 835.3   | 780.8   | 759.9   | 737.5   | 726.4   | 719.4   | 716.6   | 713.8   |
| 52.5°  | 1106.3  | 1001.6  | 895.4   | 826.9   | 757.1   | 732.0   | 706.8   | 688.7   | 681.7   | 677.5   | 673.3   |
| 55°    | 1012.7  | 947.1   | 880.0   | 797.6   | 715.2   | 692.8   | 669.1   | 656.5   | 644.0   | 641.2   | 638.4   |
| 57.5°  | 889.8   | 863.3   | 836.7   | 752.9   | 669.1   | 648.1   | 625.8   | 617.4   | 606.2   | 606.2   | 604.8   |
| 60°    | 744.5   | 783.6   | 822.8   | 726.4   | 628.6   | 604.8   | 581.1   | 574.1   | 569.9   | 568.5   | 567.1   |
| 62.5°  | 669.1   | 733.4   | 796.2   | 694.2   | 590.9   | 565.7   | 540.6   | 532.2   | 530.8   | 532.2   | 532.2   |
| 65°    | 604.8   | 624.4   | 644.0   | 596.5   | 549.0   | 523.8   | 497.3   | 488.9   | 491.7   | 495.9   | 500.1   |
| 67.5°  | 546.2   | 542.0   | 537.8   | 521.0   | 502.9   | 481.9   | 459.6   | 451.2   | 452.6   | 458.2   | 463.8   |
| 70°    | 490.3   | 484.7   | 477.7   | 465.2   | 452.6   | 434.4   | 416.3   | 410.7   | 409.3   | 416.3   | 421.9   |
| 72.5°  | 434.4   | 427.4   | 419.1   | 409.3   | 398.1   | 382.7   | 367.4   | 363.2   | 364.6   | 368.8   | 373.0   |
| 75°    | 373.0   | 367.4   | 360.4   | 352.0   | 342.2   | 328.3   | 314.3   | 311.5   | 314.3   | 318.5   | 322.7   |
| 77.5°  | 305.9   | 304.5   | 301.7   | 294.7   | 287.8   | 272.4   | 255.6   | 254.2   | 258.4   | 262.6   | 265.4   |
| 80°    | 238.9   | 240.3   | 241.7   | 236.1   | 230.5   | 213.7   | 195.6   | 194.2   | 198.4   | 202.5   | 206.7   |
| 82.5°  | 176.0   | 180.2   | 183.0   | 176.0   | 169.0   | 149.5   | 129.9   | 127.1   | 141.1   | 145.3   | 149.5   |
| 85°    | 102.0   | 107.6   | 113.1   | 107.6   | 102.0   | 82.4    | 62.9    | 61.5    | 74.0    | 81.0    | 88.0    |
| 87.5°  | 8.4     | 11.2    | 14.0    | 12.6    | 11.2    | 5.6     | 0.0     | 0.0     | 1.4     | 7.0     | 12.6    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320811

CATALOG NUMBER: GLEON-SA7C-830-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: P320811

CATALOG NUMBER: GLEON-SA7C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°    | 115°    | 120°    | 125°    | 130°    | 135°    | 140°    | 145°    | 150°    | 155°    | 160°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 9097.8  | 9043.3  | 9026.5  | 9009.8  | 8948.3  | 8885.5  | 8949.7  | 9012.6  | 9039.1  | 9065.6  | 8997.2  |
| 5°     | 7397.8  | 7388.0  | 7388.0  | 7386.6  | 7330.7  | 7273.5  | 7316.8  | 7358.7  | 7265.1  | 7171.5  | 7161.7  |
| 7.5°   | 5544.2  | 5604.2  | 5653.1  | 5700.6  | 5682.4  | 5664.3  | 5704.8  | 5745.3  | 5626.6  | 5506.4  | 5447.8  |
| 10°    | 4105.4  | 4118.0  | 4171.0  | 4224.1  | 4236.7  | 4247.9  | 4298.2  | 4347.0  | 4254.8  | 4162.7  | 4122.1  |
| 12.5°  | 3203.0  | 3136.0  | 3142.9  | 3148.5  | 3173.7  | 3197.4  | 3250.5  | 3302.2  | 3264.5  | 3225.4  | 3229.5  |
| 15°    | 2594.0  | 2508.8  | 2473.8  | 2437.5  | 2465.5  | 2493.4  | 2531.1  | 2567.4  | 2568.8  | 2568.8  | 2605.2  |
| 17.5°  | 2117.6  | 2074.3  | 2039.4  | 2003.1  | 2040.8  | 2077.1  | 2081.3  | 2085.5  | 2086.9  | 2088.3  | 2085.5  |
| 20°    | 1734.9  | 1755.9  | 1744.7  | 1733.5  | 1747.5  | 1760.0  | 1771.2  | 1781.0  | 1768.4  | 1754.5  | 1719.5  |
| 22.5°  | 1521.2  | 1539.3  | 1553.3  | 1565.9  | 1589.6  | 1612.0  | 1600.8  | 1588.2  | 1563.1  | 1536.6  | 1510.0  |
| 25°    | 1396.9  | 1409.4  | 1423.4  | 1437.4  | 1456.9  | 1475.1  | 1455.5  | 1436.0  | 1417.8  | 1399.7  | 1381.5  |
| 27.5°  | 1292.1  | 1304.7  | 1317.2  | 1328.4  | 1346.6  | 1363.3  | 1345.2  | 1327.0  | 1311.7  | 1296.3  | 1282.3  |
| 30°    | 1206.9  | 1215.3  | 1225.0  | 1234.8  | 1251.6  | 1267.0  | 1251.6  | 1234.8  | 1223.7  | 1211.1  | 1201.3  |
| 32.5°  | 1134.3  | 1142.6  | 1146.8  | 1151.0  | 1166.4  | 1181.7  | 1170.6  | 1159.4  | 1149.6  | 1139.8  | 1132.9  |
| 35°    | 1054.6  | 1071.4  | 1074.2  | 1077.0  | 1092.3  | 1107.7  | 1100.7  | 1092.3  | 1081.2  | 1070.0  | 1057.4  |
| 37.5°  | 973.6   | 993.2   | 1004.3  | 1014.1  | 1029.5  | 1044.9  | 1037.9  | 1030.9  | 1015.5  | 1000.2  | 977.8   |
| 40°    | 905.2   | 913.5   | 934.5   | 954.1   | 979.2   | 1002.9  | 989.0   | 973.6   | 949.9   | 926.1   | 914.9   |
| 42.5°  | 847.9   | 846.5   | 866.1   | 885.6   | 923.3   | 959.6   | 934.5   | 909.4   | 887.0   | 864.7   | 861.9   |
| 45°    | 797.6   | 793.4   | 803.2   | 813.0   | 853.5   | 892.6   | 867.5   | 840.9   | 828.3   | 815.8   | 815.8   |
| 47.5°  | 752.9   | 750.1   | 757.1   | 762.7   | 787.8   | 811.6   | 799.0   | 786.4   | 779.5   | 772.5   | 773.9   |
| 50°    | 712.4   | 709.6   | 716.6   | 722.2   | 732.0   | 740.3   | 743.1   | 744.5   | 740.3   | 736.1   | 738.9   |
| 52.5°  | 674.7   | 674.7   | 677.5   | 678.9   | 691.4   | 704.0   | 704.0   | 702.6   | 702.6   | 702.6   | 705.4   |
| 55°    | 642.6   | 645.4   | 645.4   | 645.4   | 664.9   | 683.1   | 677.5   | 671.9   | 673.3   | 673.3   | 676.1   |
| 57.5°  | 610.4   | 614.6   | 617.4   | 620.2   | 639.8   | 659.3   | 653.7   | 648.1   | 648.1   | 648.1   | 649.5   |
| 60°    | 574.1   | 579.7   | 585.3   | 590.9   | 610.4   | 630.0   | 624.4   | 617.4   | 618.8   | 620.2   | 621.6   |
| 62.5°  | 539.2   | 544.8   | 550.4   | 556.0   | 575.5   | 595.1   | 589.5   | 582.5   | 586.7   | 589.5   | 589.5   |
| 65°    | 505.7   | 509.9   | 515.4   | 521.0   | 539.2   | 557.3   | 551.8   | 546.2   | 551.8   | 556.0   | 558.7   |
| 67.5°  | 467.9   | 470.7   | 476.3   | 481.9   | 500.1   | 518.2   | 512.6   | 505.7   | 512.6   | 518.2   | 523.8   |
| 70°    | 424.6   | 427.4   | 434.4   | 440.0   | 458.2   | 476.3   | 469.3   | 462.4   | 469.3   | 476.3   | 481.9   |
| 72.5°  | 377.2   | 379.9   | 386.9   | 392.5   | 413.5   | 434.4   | 426.0   | 417.7   | 426.0   | 434.4   | 437.2   |
| 75°    | 325.5   | 328.3   | 336.6   | 343.6   | 364.6   | 385.5   | 378.6   | 370.2   | 377.2   | 384.1   | 385.5   |
| 77.5°  | 269.6   | 273.8   | 285.0   | 296.1   | 312.9   | 329.7   | 325.5   | 321.3   | 325.5   | 329.7   | 329.7   |
| 80°    | 210.9   | 215.1   | 229.1   | 241.7   | 251.4   | 261.2   | 262.6   | 264.0   | 265.4   | 266.8   | 265.4   |
| 82.5°  | 156.4   | 162.0   | 174.6   | 187.2   | 187.2   | 187.2   | 198.4   | 208.1   | 208.1   | 206.7   | 205.3   |
| 85°    | 96.4    | 103.4   | 114.5   | 125.7   | 118.7   | 111.7   | 129.9   | 146.7   | 146.7   | 145.3   | 142.5   |
| 87.5°  | 19.6    | 26.5    | 37.7    | 47.5    | 40.5    | 33.5    | 51.7    | 69.8    | 71.2    | 71.2    | 68.4    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320811  
 CATALOG NUMBER: GLEON-SA7C-830-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: P320811

CATALOG NUMBER: GLEON-SA7C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°    | 170°    | 175°    | 180°    | 185°    | 190°    | 195°    | 200°    | 205°    | 210°    | 215°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 8927.4  | 9036.3  | 9143.9  | 9171.8  | 9213.7  | 9231.9  | 9248.6  | 9385.5  | 9521.0  | 9680.3  | 9839.5  |
| 5°     | 7150.5  | 7231.6  | 7312.6  | 7325.2  | 7368.5  | 7390.8  | 7413.2  | 7579.4  | 7744.2  | 7966.3  | 8188.4  |
| 7.5°   | 5389.1  | 5408.7  | 5428.2  | 5425.4  | 5461.7  | 5510.6  | 5558.1  | 5735.5  | 5911.5  | 6150.4  | 6387.9  |
| 10°    | 4081.6  | 4126.3  | 4169.6  | 4210.1  | 4289.8  | 4382.0  | 4472.8  | 4654.4  | 4835.9  | 5072.0  | 5306.7  |
| 12.5°  | 3233.7  | 3285.4  | 3335.7  | 3380.4  | 3472.6  | 3595.5  | 3717.1  | 3935.0  | 4152.9  | 4435.0  | 4715.8  |
| 15°    | 2640.1  | 2635.9  | 2631.7  | 2662.4  | 2743.4  | 2877.5  | 3010.2  | 3240.7  | 3471.2  | 3781.3  | 4090.0  |
| 17.5°  | 2082.7  | 2061.8  | 2040.8  | 2064.6  | 2140.0  | 2250.3  | 2359.3  | 2554.9  | 2749.0  | 3049.4  | 3349.7  |
| 20°    | 1684.6  | 1670.6  | 1656.7  | 1679.0  | 1726.5  | 1772.6  | 1818.7  | 1959.8  | 2099.5  | 2343.9  | 2587.0  |
| 22.5°  | 1482.1  | 1480.7  | 1477.9  | 1490.5  | 1512.8  | 1536.6  | 1558.9  | 1627.3  | 1694.4  | 1852.2  | 2008.7  |
| 25°    | 1363.3  | 1361.9  | 1360.5  | 1366.1  | 1384.3  | 1402.5  | 1420.6  | 1465.3  | 1510.0  | 1585.4  | 1660.9  |
| 27.5°  | 1268.4  | 1265.6  | 1262.8  | 1264.2  | 1268.4  | 1296.3  | 1322.8  | 1343.8  | 1363.3  | 1415.0  | 1465.3  |
| 30°    | 1191.5  | 1190.1  | 1188.7  | 1188.7  | 1184.5  | 1194.3  | 1204.1  | 1236.2  | 1267.0  | 1320.0  | 1373.1  |
| 32.5°  | 1125.9  | 1118.9  | 1111.9  | 1096.5  | 1086.8  | 1100.7  | 1114.7  | 1148.2  | 1181.7  | 1230.6  | 1279.5  |
| 35°    | 1043.5  | 1025.3  | 1005.7  | 997.4   | 998.8   | 1012.7  | 1026.7  | 1060.2  | 1092.3  | 1145.4  | 1197.1  |
| 37.5°  | 954.1   | 948.5   | 941.5   | 940.1   | 944.3   | 958.2   | 972.2   | 1001.6  | 1029.5  | 1082.6  | 1134.3  |
| 40°    | 903.8   | 901.0   | 898.2   | 895.4   | 898.2   | 912.2   | 926.1   | 954.1   | 980.6   | 1032.3  | 1082.6  |
| 42.5°  | 859.1   | 857.7   | 856.3   | 856.3   | 857.7   | 873.0   | 888.4   | 916.3   | 942.9   | 989.0   | 1035.1  |
| 45°    | 815.8   | 817.2   | 817.2   | 820.0   | 824.1   | 839.5   | 853.5   | 884.2   | 914.9   | 959.6   | 1004.3  |
| 47.5°  | 775.3   | 779.5   | 782.2   | 789.2   | 793.4   | 810.2   | 825.5   | 859.1   | 892.6   | 948.5   | 1002.9  |
| 50°    | 740.3   | 744.5   | 747.3   | 752.9   | 764.1   | 783.6   | 803.2   | 843.7   | 882.8   | 976.4   | 1068.6  |
| 52.5°  | 708.2   | 712.4   | 716.6   | 722.2   | 736.1   | 758.5   | 780.8   | 831.1   | 880.0   | 989.0   | 1097.9  |
| 55°    | 678.9   | 683.1   | 685.9   | 694.2   | 708.2   | 727.8   | 745.9   | 807.4   | 868.8   | 948.5   | 1028.1  |
| 57.5°  | 650.9   | 655.1   | 657.9   | 663.5   | 670.5   | 691.4   | 711.0   | 776.7   | 842.3   | 898.2   | 952.7   |
| 60°    | 621.6   | 624.4   | 625.8   | 625.8   | 631.4   | 655.1   | 678.9   | 762.7   | 845.1   | 835.3   | 824.1   |
| 62.5°  | 589.5   | 592.3   | 593.7   | 589.5   | 596.5   | 621.6   | 646.7   | 755.7   | 864.7   | 797.6   | 730.6   |
| 65°    | 560.1   | 558.7   | 557.3   | 553.2   | 561.5   | 586.7   | 610.4   | 664.9   | 719.4   | 692.8   | 666.3   |
| 67.5°  | 528.0   | 523.8   | 519.6   | 514.0   | 522.4   | 544.8   | 565.7   | 583.9   | 602.0   | 604.8   | 607.6   |
| 70°    | 487.5   | 481.9   | 476.3   | 474.9   | 479.1   | 497.3   | 515.4   | 528.0   | 539.2   | 544.8   | 549.0   |
| 72.5°  | 440.0   | 435.8   | 431.6   | 428.8   | 430.2   | 445.6   | 459.6   | 470.7   | 481.9   | 486.1   | 488.9   |
| 75°    | 386.9   | 386.9   | 385.5   | 377.2   | 377.2   | 389.7   | 400.9   | 410.7   | 420.5   | 426.0   | 431.6   |
| 77.5°  | 329.7   | 331.1   | 331.1   | 319.9   | 318.5   | 331.1   | 342.2   | 350.6   | 357.6   | 363.2   | 367.4   |
| 80°    | 264.0   | 261.2   | 258.4   | 251.4   | 248.6   | 264.0   | 278.0   | 285.0   | 290.5   | 291.9   | 291.9   |
| 82.5°  | 202.5   | 197.0   | 190.0   | 174.6   | 176.0   | 192.8   | 208.1   | 213.7   | 219.3   | 219.3   | 219.3   |
| 85°    | 138.3   | 127.1   | 114.5   | 102.0   | 103.4   | 121.5   | 138.3   | 143.9   | 149.5   | 152.3   | 153.7   |
| 87.5°  | 65.7    | 54.5    | 41.9    | 32.1    | 32.1    | 47.5    | 61.5    | 64.3    | 67.0    | 72.6    | 78.2    |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320811  
 CATALOG NUMBER: GLEON-SA7C-830-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  |



REPORT NUMBER: P320811

CATALOG NUMBER: GLEON-SA7C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°    | 225°    | 230°    | 235°    | 240°    | 245°    | 250°    | 255°    | 260°    | 265°    | 270°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 9961.0  | 10081.2 | 10205.5 | 10329.8 | 10472.3 | 10614.8 | 10781.0 | 10945.8 | 11086.9 | 11228.0 | 11345.3 |
| 5°     | 8379.8  | 8571.2  | 8796.1  | 9020.9  | 9307.3  | 9593.7  | 9944.3  | 10293.5 | 10605.0 | 10916.5 | 11278.3 |
| 7.5°   | 6637.9  | 6886.5  | 7179.9  | 7473.2  | 7843.4  | 8213.6  | 8667.5  | 9121.5  | 9561.5  | 10000.1 | 10556.1 |
| 10°    | 5567.9  | 5829.1  | 6118.3  | 6406.0  | 6783.2  | 7158.9  | 7639.4  | 8118.6  | 8613.1  | 9106.2  | 9734.7  |
| 12.5°  | 5006.4  | 5295.5  | 5549.7  | 5804.0  | 6109.9  | 6414.4  | 6879.6  | 7344.7  | 7925.8  | 8505.5  | 9110.3  |
| 15°    | 4407.1  | 4722.8  | 5027.3  | 5331.8  | 5665.7  | 5998.1  | 6450.7  | 6903.3  | 7538.9  | 8174.4  | 8870.1  |
| 17.5°  | 3682.1  | 4014.6  | 4386.2  | 4756.3  | 5192.1  | 5626.6  | 6206.3  | 6786.0  | 7538.9  | 8290.4  | 9110.3  |
| 20°    | 2926.4  | 3265.9  | 3710.1  | 4154.3  | 4696.3  | 5236.8  | 5988.4  | 6739.9  | 7754.0  | 8766.7  | 9813.0  |
| 22.5°  | 2309.0  | 2607.9  | 3092.7  | 3576.0  | 4201.8  | 4827.6  | 5791.4  | 6753.8  | 8079.5  | 9403.7  | 10815.9 |
| 25°    | 1871.8  | 2082.7  | 2559.1  | 3034.0  | 3756.2  | 4478.3  | 5671.3  | 6862.8  | 8553.0  | 10241.8 | 11993.5 |
| 27.5°  | 1603.6  | 1741.9  | 2186.1  | 2628.9  | 3418.1  | 4206.0  | 5622.4  | 7037.4  | 9153.6  | 11269.9 | 13274.4 |
| 30°    | 1469.5  | 1565.9  | 1941.6  | 2316.0  | 3117.8  | 3919.6  | 5563.7  | 7207.8  | 9732.0  | 12254.7 | 14276.0 |
| 32.5°  | 1357.8  | 1434.6  | 1755.9  | 2075.7  | 2858.0  | 3640.2  | 5450.6  | 7259.5  | 10135.6 | 13011.8 | 15123.8 |
| 35°    | 1262.8  | 1327.0  | 1606.4  | 1885.8  | 2654.0  | 3422.3  | 5260.6  | 7098.9  | 10388.5 | 13678.1 | 16006.7 |
| 37.5°  | 1185.9  | 1236.2  | 1494.6  | 1753.1  | 2478.0  | 3203.0  | 5044.1  | 6885.1  | 10613.4 | 14341.6 | 16999.8 |
| 40°    | 1125.9  | 1169.2  | 1410.8  | 1652.5  | 2310.4  | 2968.3  | 4858.3  | 6746.9  | 10923.5 | 15100.1 | 18048.9 |
| 42.5°  | 1092.3  | 1148.2  | 1338.2  | 1526.8  | 2151.2  | 2775.6  | 4708.8  | 6642.1  | 11211.2 | 15779.0 | 18966.6 |
| 45°    | 1084.0  | 1163.6  | 1300.5  | 1437.4  | 2032.4  | 2627.5  | 4576.1  | 6523.4  | 11397.0 | 16270.7 | 19658.1 |
| 47.5°  | 1070.0  | 1135.7  | 1271.1  | 1406.6  | 1973.8  | 2539.5  | 4504.9  | 6468.9  | 11582.8 | 16695.3 | 20232.2 |
| 50°    | 1078.4  | 1086.8  | 1247.4  | 1406.6  | 1965.4  | 2524.1  | 4585.9  | 6647.7  | 11985.1 | 17321.1 | 20888.7 |
| 52.5°  | 1063.0  | 1026.7  | 1202.7  | 1378.7  | 1964.0  | 2549.3  | 4819.2  | 7089.1  | 12732.4 | 18374.3 | 21599.7 |
| 55°    | 982.0   | 934.5   | 1118.9  | 1303.3  | 1934.7  | 2564.6  | 5097.2  | 7628.3  | 13735.4 | 19841.1 | 22877.8 |
| 57.5°  | 910.8   | 867.5   | 1023.9  | 1179.0  | 1845.3  | 2511.6  | 5383.5  | 8254.1  | 14795.6 | 21335.7 | 24318.0 |
| 60°    | 815.8   | 806.0   | 917.7   | 1029.5  | 1707.0  | 2383.0  | 5619.6  | 8854.7  | 15508.0 | 22159.9 | 24872.6 |
| 62.5°  | 737.5   | 743.1   | 825.5   | 908.0   | 1533.8  | 2158.2  | 5697.8  | 9236.1  | 15488.4 | 21740.8 | 24313.8 |
| 65°    | 677.5   | 687.3   | 768.3   | 849.3   | 1385.7  | 1922.1  | 5440.8  | 8958.1  | 14704.8 | 20450.1 | 23208.9 |
| 67.5°  | 618.8   | 630.0   | 726.4   | 821.4   | 1254.4  | 1686.0  | 4798.2  | 7909.0  | 13295.4 | 18680.3 | 21803.7 |
| 70°    | 562.9   | 576.9   | 681.7   | 786.4   | 1159.4  | 1531.0  | 3969.9  | 6408.8  | 11531.1 | 16652.0 | 20176.3 |
| 72.5°  | 502.9   | 516.8   | 628.6   | 740.3   | 1099.3  | 1456.9  | 3236.5  | 5014.7  | 9357.6  | 13699.0 | 17258.3 |
| 75°    | 441.4   | 451.2   | 572.7   | 692.8   | 1016.9  | 1341.0  | 2539.5  | 3736.6  | 7161.7  | 10586.8 | 13035.5 |
| 77.5°  | 379.9   | 392.5   | 494.5   | 595.1   | 863.3   | 1130.1  | 1913.7  | 2697.3  | 5255.0  | 7811.3  | 9065.6  |
| 80°    | 303.1   | 314.3   | 386.9   | 458.2   | 666.3   | 873.0   | 1315.8  | 1758.7  | 3616.5  | 5474.3  | 6181.1  |
| 82.5°  | 231.9   | 244.5   | 293.3   | 340.8   | 474.9   | 609.0   | 797.6   | 986.2   | 2402.6  | 3817.6  | 3876.3  |
| 85°    | 159.2   | 163.4   | 198.4   | 231.9   | 293.3   | 354.8   | 456.8   | 558.7   | 1589.6  | 2620.5  | 2183.3  |
| 87.5°  | 79.6    | 79.6    | 103.4   | 127.1   | 157.8   | 188.6   | 241.7   | 293.3   | 508.5   | 723.6   | 416.3   |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320811  
 CATALOG NUMBER: GLEON-SA7C-830-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-SA7C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 11494.8 | 11596.8 | 11700.1 | 11778.4 | 11858.0 | 11972.5 | 12087.1 | 12108.0 | 12130.4 | 12085.7 | 12041.0 |
| 5°     | 11642.9 | 11951.6 | 12261.7 | 12548.0 | 12834.4 | 13006.2 | 13178.0 | 13212.9 | 13247.9 | 13140.3 | 13031.3 |
| 7.5°   | 11093.9 | 11631.7 | 12169.5 | 12662.6 | 13155.7 | 13454.6 | 13754.9 | 13822.0 | 13890.4 | 13714.4 | 13538.4 |
| 10°    | 10360.5 | 11021.3 | 11682.0 | 12331.5 | 12981.1 | 13415.5 | 13849.9 | 13936.5 | 14023.1 | 13803.8 | 13584.5 |
| 12.5°  | 9793.4  | 10498.8 | 11204.2 | 11888.7 | 12574.6 | 13024.4 | 13474.2 | 13581.7 | 13689.3 | 13530.0 | 13369.4 |
| 15°    | 9618.8  | 10282.3 | 10945.8 | 11542.3 | 12140.1 | 12507.5 | 12876.3 | 12919.6 | 12964.3 | 12939.2 | 12914.0 |
| 17.5°  | 9935.9  | 10535.1 | 11135.8 | 11459.9 | 11785.3 | 11932.0 | 12080.1 | 12127.6 | 12176.5 | 12239.3 | 12303.6 |
| 20°    | 10704.2 | 11126.0 | 11549.3 | 11535.3 | 11519.9 | 11448.7 | 11376.1 | 11363.5 | 11350.9 | 11531.1 | 11712.7 |
| 22.5°  | 11851.0 | 12018.6 | 12187.6 | 11795.1 | 11402.6 | 11163.7 | 10923.5 | 10876.0 | 10827.1 | 11018.5 | 11211.2 |
| 25°    | 13095.6 | 13064.9 | 13032.7 | 12285.4 | 11536.7 | 11081.3 | 10625.9 | 10572.9 | 10519.8 | 10683.2 | 10848.0 |
| 27.5°  | 14327.6 | 14126.5 | 13925.3 | 12909.8 | 11894.3 | 11233.6 | 10572.9 | 10519.8 | 10466.7 | 10612.0 | 10757.2 |
| 30°    | 15231.4 | 14908.7 | 14586.1 | 13436.4 | 12286.8 | 11501.8 | 10716.7 | 10630.1 | 10542.1 | 10720.9 | 10899.7 |
| 32.5°  | 15936.8 | 15503.8 | 15070.8 | 13863.9 | 12657.0 | 11807.7 | 10958.4 | 10822.9 | 10687.4 | 10926.3 | 11165.1 |
| 35°    | 16640.8 | 16031.8 | 15421.4 | 14245.2 | 13067.7 | 12169.5 | 11269.9 | 11103.7 | 10937.4 | 11265.7 | 11594.0 |
| 37.5°  | 17526.5 | 16652.0 | 15776.2 | 14674.1 | 13571.9 | 12711.5 | 11849.6 | 11679.2 | 11508.8 | 11926.4 | 12345.5 |
| 40°    | 18487.5 | 17321.1 | 16154.7 | 15143.4 | 14132.1 | 13461.6 | 12789.7 | 12627.7 | 12464.2 | 12972.7 | 13481.1 |
| 42.5°  | 19286.5 | 17944.1 | 16601.7 | 15709.1 | 14815.1 | 14343.0 | 13869.5 | 13868.1 | 13865.3 | 14380.7 | 14896.2 |
| 45°    | 19936.0 | 18463.7 | 16990.1 | 16260.9 | 15530.3 | 15284.5 | 15038.6 | 15235.6 | 15432.6 | 15897.7 | 16364.3 |
| 47.5°  | 20420.8 | 18899.6 | 17377.0 | 16892.3 | 16407.6 | 16443.9 | 16480.2 | 16881.1 | 17282.0 | 17580.9 | 17881.3 |
| 50°    | 20736.4 | 19294.9 | 17851.9 | 17702.5 | 17553.0 | 17878.5 | 18205.3 | 18664.9 | 19125.9 | 19329.8 | 19533.7 |
| 52.5°  | 21196.0 | 19831.3 | 18465.1 | 18632.8 | 18800.4 | 19465.3 | 20130.2 | 20595.4 | 21060.5 | 21135.9 | 21212.8 |
| 55°    | 22259.0 | 20817.5 | 19374.5 | 19695.8 | 20018.5 | 20993.5 | 21969.9 | 22333.1 | 22696.2 | 22724.2 | 22752.1 |
| 57.5°  | 23769.0 | 22199.0 | 20628.9 | 20975.3 | 21321.7 | 22447.6 | 23574.9 | 23966.0 | 24358.5 | 24304.0 | 24248.2 |
| 60°    | 24899.1 | 23510.6 | 22120.7 | 22470.0 | 22819.2 | 23917.1 | 25015.0 | 25464.8 | 25916.0 | 25795.9 | 25675.8 |
| 62.5°  | 24968.9 | 24227.2 | 23484.1 | 23799.8 | 24116.9 | 25192.4 | 26268.0 | 26730.4 | 27192.8 | 26983.2 | 26773.7 |
| 65°    | 23858.4 | 24190.9 | 24523.3 | 24628.1 | 24732.9 | 25735.8 | 26740.2 | 27093.6 | 27448.4 | 27342.2 | 27236.1 |
| 67.5°  | 22328.9 | 23553.9 | 24780.4 | 24569.4 | 24358.5 | 24829.3 | 25300.0 | 25664.6 | 26029.2 | 25969.1 | 25907.6 |
| 70°    | 20802.1 | 22437.8 | 24073.6 | 23037.1 | 21999.2 | 21805.0 | 21610.9 | 22003.4 | 22397.3 | 22154.3 | 21909.8 |
| 72.5°  | 18202.5 | 19945.8 | 21690.5 | 19781.0 | 17871.5 | 17208.0 | 16544.5 | 17043.1 | 17541.8 | 17154.9 | 16766.6 |
| 75°    | 14288.5 | 16214.8 | 18142.5 | 15864.2 | 13585.9 | 12700.3 | 11814.7 | 12243.5 | 12672.4 | 12406.9 | 12140.1 |
| 77.5°  | 10637.1 | 12535.5 | 14433.8 | 12117.8 | 9800.4  | 9142.5  | 8483.2  | 8610.3  | 8738.8  | 8694.1  | 8648.0  |
| 80°    | 7214.8  | 8537.6  | 9861.9  | 8319.7  | 6777.6  | 6827.9  | 6879.6  | 6819.5  | 6758.0  | 6847.4  | 6936.8  |
| 82.5°  | 4604.1  | 5625.2  | 6647.7  | 5829.1  | 5010.6  | 5479.9  | 5949.2  | 5718.8  | 5486.9  | 5572.1  | 5658.7  |
| 85°    | 2627.5  | 3626.3  | 4626.4  | 4312.1  | 3996.4  | 4270.2  | 4545.4  | 4187.8  | 3830.2  | 3986.6  | 4144.5  |
| 87.5°  | 692.8   | 2005.9  | 3320.3  | 3014.4  | 2708.5  | 2353.7  | 1998.9  | 1525.4  | 1051.8  | 1536.6  | 2021.3  |
| 90°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 92.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 95°    | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 97.5°  | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 100°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 102.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 105°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 107.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 110°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |



REPORT NUMBER: P320811  
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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-SA7C-830-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 | 10644.1 |
| 2.5°   | 12017.2 | 11993.5 | 11908.3 | 11821.7 | 11693.1 | 11587.0 | 11402.6 |
| 5°     | 12880.5 | 12729.6 | 12469.8 | 12208.6 | 11918.0 | 11584.2 | 11214.0 |
| 7.5°   | 13186.4 | 12833.0 | 12334.3 | 11834.2 | 11384.4 | 10856.4 | 10364.7 |
| 10°    | 13056.5 | 12527.1 | 11878.9 | 11229.4 | 10683.2 | 10075.6 | 9529.4  |
| 12.5°  | 12807.8 | 12244.9 | 11531.1 | 10815.9 | 10194.3 | 9542.0  | 8930.2  |
| 15°    | 12465.6 | 12015.8 | 11346.7 | 10677.6 | 10051.8 | 9417.7  | 8692.7  |
| 17.5°  | 12091.3 | 11877.5 | 11394.2 | 10909.5 | 10367.5 | 9752.9  | 8902.2  |
| 20°    | 11789.5 | 11867.8 | 11675.0 | 11482.2 | 11047.8 | 10511.4 | 9555.9  |
| 22.5°  | 11585.6 | 11961.3 | 12109.4 | 12258.9 | 11997.7 | 11578.6 | 10473.7 |
| 25°    | 11471.0 | 12094.0 | 12589.9 | 13087.2 | 12971.3 | 12648.6 | 11588.4 |
| 27.5°  | 11521.3 | 12285.4 | 13055.1 | 13826.2 | 13933.7 | 13844.3 | 12763.1 |
| 30°    | 11672.2 | 12446.1 | 13383.4 | 14322.0 | 14750.9 | 14871.0 | 13742.3 |
| 32.5°  | 11923.6 | 12682.1 | 13703.2 | 14725.7 | 15373.9 | 15756.6 | 14637.7 |
| 35°    | 12303.6 | 13013.2 | 14077.6 | 15142.0 | 15980.1 | 16678.6 | 15562.5 |
| 37.5°  | 12955.9 | 13566.3 | 14548.3 | 15531.7 | 16618.5 | 17667.5 | 16580.8 |
| 40°    | 13911.4 | 14343.0 | 15172.7 | 16003.9 | 17371.4 | 18787.8 | 17716.4 |
| 42.5°  | 15116.9 | 15339.0 | 15996.9 | 16654.8 | 18157.8 | 19804.7 | 18826.9 |
| 45°    | 16422.9 | 16481.6 | 16895.1 | 17309.9 | 18780.8 | 20497.6 | 19660.9 |
| 47.5°  | 17680.1 | 17479.0 | 17643.8 | 17808.6 | 19258.6 | 20992.1 | 20293.6 |
| 50°    | 18973.6 | 18413.5 | 18326.9 | 18240.3 | 19736.3 | 21574.6 | 21098.2 |
| 52.5°  | 20289.4 | 19366.1 | 19023.9 | 18680.3 | 20306.2 | 22347.0 | 22099.8 |
| 55°    | 21577.4 | 20402.6 | 19941.6 | 19480.7 | 21177.9 | 23289.9 | 23570.7 |
| 57.5°  | 22917.0 | 21585.7 | 21158.3 | 20730.9 | 22458.8 | 24484.2 | 24890.7 |
| 60°    | 24358.5 | 23039.9 | 22697.6 | 22354.0 | 24051.2 | 25774.9 | 25478.8 |
| 62.5°  | 25726.0 | 24678.4 | 24498.2 | 24316.6 | 25661.8 | 26766.7 | 25249.7 |
| 65°    | 26639.6 | 26041.7 | 26209.4 | 26378.4 | 26879.9 | 27014.0 | 24579.2 |
| 67.5°  | 26029.2 | 26150.7 | 26858.9 | 27568.5 | 27223.5 | 26279.2 | 23257.8 |
| 70°    | 22637.6 | 23366.7 | 25044.4 | 26723.4 | 25957.9 | 24311.0 | 20885.9 |
| 72.5°  | 17585.1 | 18405.1 | 20895.7 | 23387.7 | 22682.3 | 20665.2 | 17154.9 |
| 75°    | 13064.9 | 13991.0 | 16740.0 | 19489.0 | 18509.8 | 15457.7 | 12282.6 |
| 77.5°  | 9268.2  | 9888.4  | 12602.5 | 15318.0 | 13721.4 | 10289.3 | 8265.2  |
| 80°    | 6746.9  | 6556.9  | 8069.7  | 9582.5  | 9317.1  | 6805.5  | 5308.1  |
| 82.5°  | 5194.9  | 4731.2  | 5443.6  | 6156.0  | 6116.9  | 4722.8  | 3894.5  |
| 85°    | 3958.7  | 3772.9  | 4402.9  | 5032.9  | 4493.7  | 3198.8  | 2475.2  |
| 87.5°  | 2307.6  | 2595.4  | 3337.1  | 4080.2  | 3061.9  | 970.8   | 480.5   |
| 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: P320811  
 CATALOG NUMBER: GLEON-SA7C-830-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-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

MCGRAW EDISON

Report Number: SP1-2408-195-9

Test Date: 08/07/2024

Luminaire Tested: GALN-SB1A-830-U-5WQ

Data in this report applies to families of products including GALN-SB1A-830-U-5WQ.

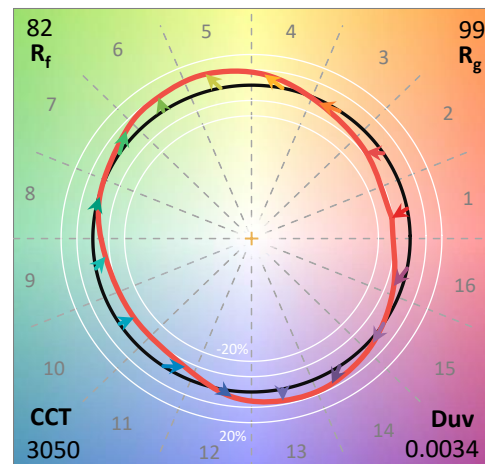
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2408-195-9  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 Issue Date: 08/07/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW EDISON  
 Catalog Number: **GALN-SB1A-830-U-5WQ**  
 Description: GALLEON AREA AND ROADWAY LUMINAIRE. (1) 80 CRI, 3000K, 350MA HIGH DENSITY LIGHTSQUARE WITH 26 LEDS AND TYPE V WIDE OPTICS

### Spectral Parameters

CCT (K): 3050  
 CIE  $u'$ : 0.2476  
 CIE  $v'$ : 0.5251  
 Duv: 0.0034  
 CIE x: 0.4383  
 CIE y: 0.4131  
 CIE z: 0.1487  
 Peak Wavelength (nm): 603  
 Dominant Wavelength (nm): 581  
 Purity: 55.55201  
 Rf: 81.5  
 Rg: 99.2

CRI (Ra): 81.0  
 R1: 79.6  
 R2: 85.6  
 R3: 92.0  
 R4: 82.6  
 R5: 78.9  
 R6: 81.7  
 R7: 85.2  
 R8: 62.0  
 R9: 7.1  
 R10: 67.0  
 R11: 82.7  
 R12: 63.2  
 R13: 80.3  
 R14: 95.0  
 R15: 71.7



### Test Conditions

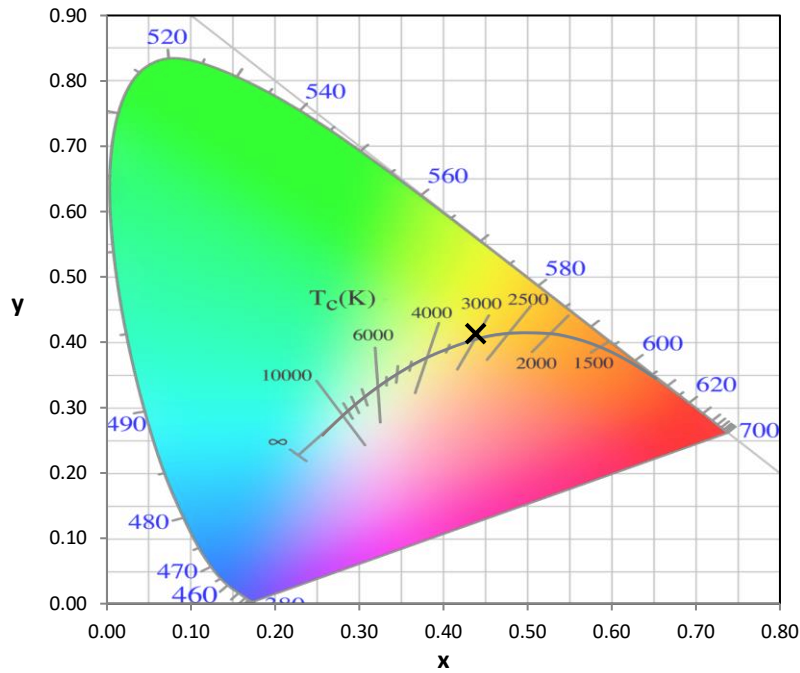
Stabilization Time: 20M  
 Operation Time: 1H 20M  
 Sphere Temperature (°C): 24.2

REPORT NUMBER: SP1-2408-195-9

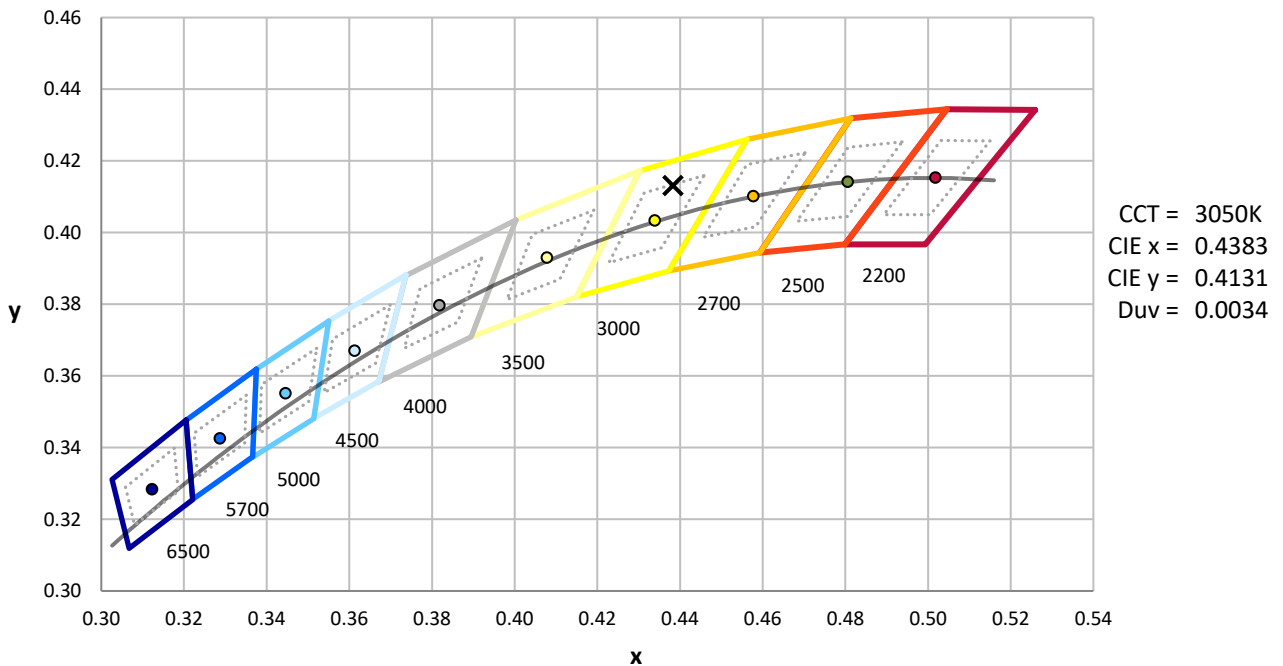
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | IN0058                | 6/18/2024        | 12/18/2024           |
| Power Meter                    | INXT2011004           | 2/8/2024         | 2/8/2025             |
| AC Power Source                | IN0063                | 10/24/2023       | 10/24/2024           |
| DC Power Source                | IN0208                | 10/24/2023       | 10/24/2024           |
| Sphere Thermometer             | IN0085                | 10/24/2023       | 10/24/2024           |
| Room Thermometer               | IN0046                | 10/24/2023       | 10/24/2024           |

REPORT NUMBER: SP1-2408-195-9

**CIE 1931 Chromaticity Diagram**



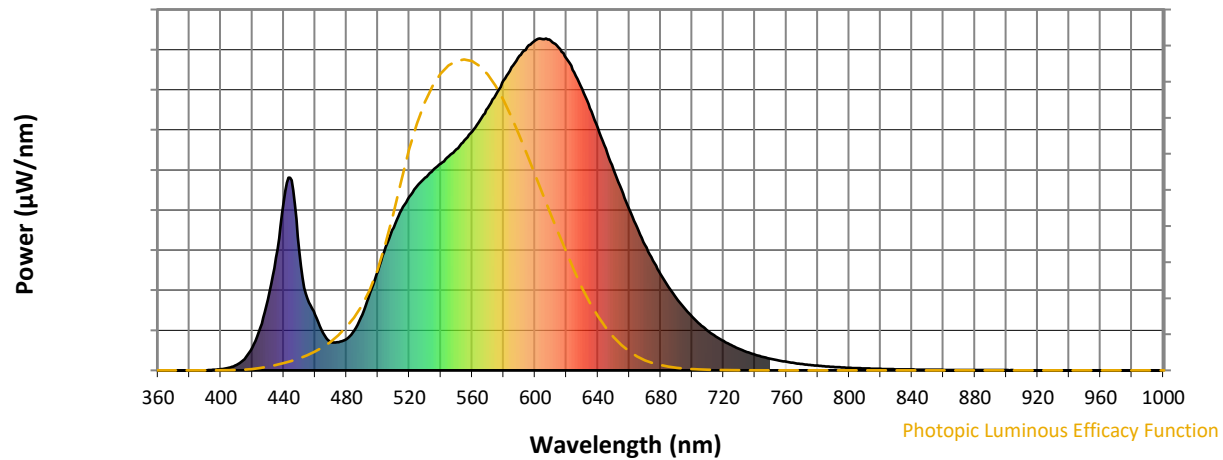
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 3000K 4-step quadrangle

REPORT NUMBER: SP1-2408-195-9

### Photopic Flux vs. Wavelength

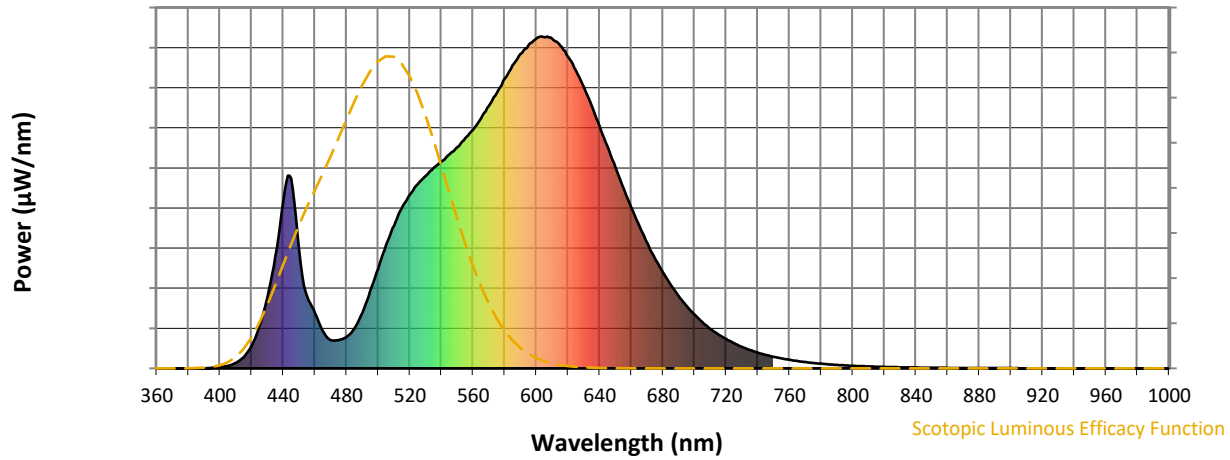


### Photopic Lumens: NR

| λ (nm) | Power W <sup>λ</sup> /nm | Lumens (φ/nm) | λ (nm) | Power W <sup>λ</sup> /nm | Lumens (φ/nm) | λ (nm) | Power W <sup>λ</sup> /nm | Lumens (φ/nm) | λ (nm) | Power W <sup>λ</sup> /nm | Lumens (φ/nm) | λ (nm) | Power W <sup>λ</sup> /nm | Lumens (φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360    | 0                        | NR            | 490    | 168                      | NR            | 620    | 940                      | NR            | 750    | 35                       | NR            | 880    | 1                        | NR            |
| 365    | 0                        | NR            | 495    | 233                      | NR            | 625    | 897                      | NR            | 755    | 30                       | NR            | 885    | 1                        | NR            |
| 370    | 0                        | NR            | 500    | 300                      | NR            | 630    | 847                      | NR            | 760    | 26                       | NR            | 890    | 1                        | NR            |
| 375    | 0                        | NR            | 505    | 372                      | NR            | 635    | 790                      | NR            | 765    | 22                       | NR            | 895    | 1                        | NR            |
| 380    | 0                        | NR            | 510    | 430                      | NR            | 640    | 730                      | NR            | 770    | 19                       | NR            | 900    | 1                        | NR            |
| 385    | 0                        | NR            | 515    | 483                      | NR            | 645    | 668                      | NR            | 775    | 16                       | NR            | 905    | 1                        | NR            |
| 390    | 0                        | NR            | 520    | 524                      | NR            | 650    | 605                      | NR            | 780    | 14                       | NR            | 910    | 0                        | NR            |
| 395    | 2                        | NR            | 525    | 555                      | NR            | 655    | 545                      | NR            | 785    | 12                       | NR            | 915    | 0                        | NR            |
| 400    | 4                        | NR            | 530    | 581                      | NR            | 660    | 485                      | NR            | 790    | 10                       | NR            | 920    | 0                        | NR            |
| 405    | 7                        | NR            | 535    | 604                      | NR            | 665    | 430                      | NR            | 795    | 9                        | NR            | 925    | 0                        | NR            |
| 410    | 17                       | NR            | 540    | 623                      | NR            | 670    | 378                      | NR            | 800    | 8                        | NR            | 930    | 0                        | NR            |
| 415    | 34                       | NR            | 545    | 645                      | NR            | 675    | 331                      | NR            | 805    | 7                        | NR            | 935    | 0                        | NR            |
| 420    | 68                       | NR            | 550    | 667                      | NR            | 680    | 290                      | NR            | 810    | 6                        | NR            | 940    | 0                        | NR            |
| 425    | 128                      | NR            | 555    | 693                      | NR            | 685    | 251                      | NR            | 815    | 5                        | NR            | 945    | 0                        | NR            |
| 430    | 214                      | NR            | 560    | 719                      | NR            | 690    | 218                      | NR            | 820    | 4                        | NR            | 950    | 0                        | NR            |
| 435    | 339                      | NR            | 565    | 754                      | NR            | 695    | 188                      | NR            | 825    | 4                        | NR            | 955    | 0                        | NR            |
| 440    | 507                      | NR            | 570    | 791                      | NR            | 700    | 162                      | NR            | 830    | 3                        | NR            | 960    | 0                        | NR            |
| 445    | 573                      | NR            | 575    | 830                      | NR            | 705    | 139                      | NR            | 835    | 3                        | NR            | 965    | 0                        | NR            |
| 450    | 356                      | NR            | 580    | 873                      | NR            | 710    | 119                      | NR            | 840    | 3                        | NR            | 970    | 0                        | NR            |
| 455    | 217                      | NR            | 585    | 913                      | NR            | 715    | 102                      | NR            | 845    | 2                        | NR            | 975    | 0                        | NR            |
| 460    | 168                      | NR            | 590    | 948                      | NR            | 720    | 88                       | NR            | 850    | 2                        | NR            | 980    | 0                        | NR            |
| 465    | 113                      | NR            | 595    | 974                      | NR            | 725    | 76                       | NR            | 855    | 2                        | NR            | 985    | 0                        | NR            |
| 470    | 85                       | NR            | 600    | 994                      | NR            | 730    | 65                       | NR            | 860    | 1                        | NR            | 990    | 0                        | NR            |
| 475    | 85                       | NR            | 605    | 998                      | NR            | 735    | 55                       | NR            | 865    | 1                        | NR            | 995    | 0                        | NR            |
| 480    | 94                       | NR            | 610    | 994                      | NR            | 740    | 47                       | NR            | 870    | 1                        | NR            | 1000   | 0                        | NR            |
| 485    | 120                      | NR            | 615    | 973                      | NR            | 745    | 41                       | NR            | 875    | 1                        | NR            |        |                          |               |

REPORT NUMBER: SP1-2408-195-9

### Scotopic Flux vs. Wavelength



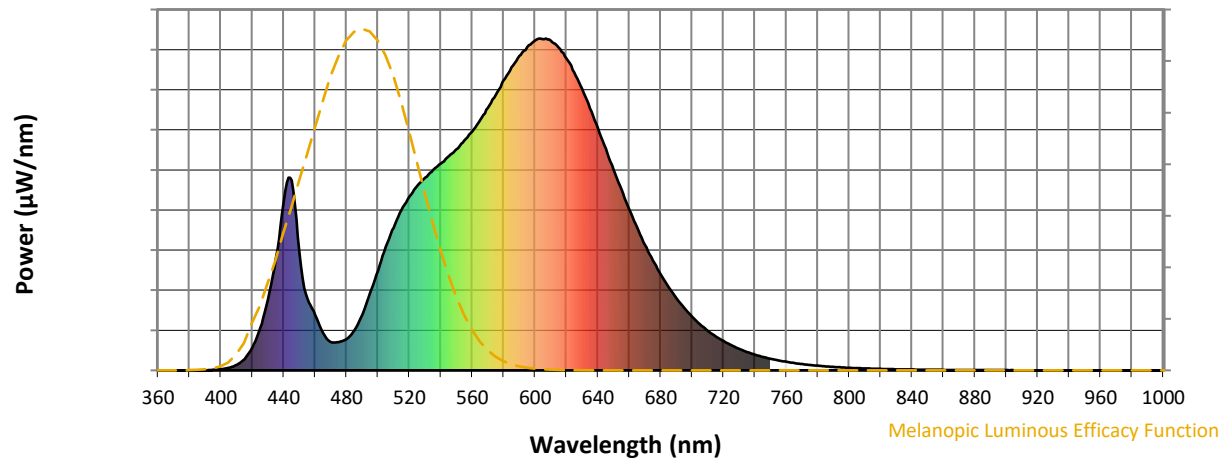
Scotopic Lumens: NR

S/P: 1.27

| λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) | λ (nm) | Power W <sup>^</sup> /nm | Lumens (Φ/nm) |
|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|--------|--------------------------|---------------|
| 360    | 0                        | NR            | 490    | 168                      | NR            | 620    | 940                      | NR            | 750    | 35                       | NR            | 880    | 1                        | NR            |
| 365    | 0                        | NR            | 495    | 233                      | NR            | 625    | 897                      | NR            | 755    | 30                       | NR            | 885    | 1                        | NR            |
| 370    | 0                        | NR            | 500    | 300                      | NR            | 630    | 847                      | NR            | 760    | 26                       | NR            | 890    | 1                        | NR            |
| 375    | 0                        | NR            | 505    | 372                      | NR            | 635    | 790                      | NR            | 765    | 22                       | NR            | 895    | 1                        | NR            |
| 380    | 0                        | NR            | 510    | 430                      | NR            | 640    | 730                      | NR            | 770    | 19                       | NR            | 900    | 1                        | NR            |
| 385    | 0                        | NR            | 515    | 483                      | NR            | 645    | 668                      | NR            | 775    | 16                       | NR            | 905    | 1                        | NR            |
| 390    | 0                        | NR            | 520    | 524                      | NR            | 650    | 605                      | NR            | 780    | 14                       | NR            | 910    | 0                        | NR            |
| 395    | 2                        | NR            | 525    | 555                      | NR            | 655    | 545                      | NR            | 785    | 12                       | NR            | 915    | 0                        | NR            |
| 400    | 4                        | NR            | 530    | 581                      | NR            | 660    | 485                      | NR            | 790    | 10                       | NR            | 920    | 0                        | NR            |
| 405    | 7                        | NR            | 535    | 604                      | NR            | 665    | 430                      | NR            | 795    | 9                        | NR            | 925    | 0                        | NR            |
| 410    | 17                       | NR            | 540    | 623                      | NR            | 670    | 378                      | NR            | 800    | 8                        | NR            | 930    | 0                        | NR            |
| 415    | 34                       | NR            | 545    | 645                      | NR            | 675    | 331                      | NR            | 805    | 7                        | NR            | 935    | 0                        | NR            |
| 420    | 68                       | NR            | 550    | 667                      | NR            | 680    | 290                      | NR            | 810    | 6                        | NR            | 940    | 0                        | NR            |
| 425    | 128                      | NR            | 555    | 693                      | NR            | 685    | 251                      | NR            | 815    | 5                        | NR            | 945    | 0                        | NR            |
| 430    | 214                      | NR            | 560    | 719                      | NR            | 690    | 218                      | NR            | 820    | 4                        | NR            | 950    | 0                        | NR            |
| 435    | 339                      | NR            | 565    | 754                      | NR            | 695    | 188                      | NR            | 825    | 4                        | NR            | 955    | 0                        | NR            |
| 440    | 507                      | NR            | 570    | 791                      | NR            | 700    | 162                      | NR            | 830    | 3                        | NR            | 960    | 0                        | NR            |
| 445    | 573                      | NR            | 575    | 830                      | NR            | 705    | 139                      | NR            | 835    | 3                        | NR            | 965    | 0                        | NR            |
| 450    | 356                      | NR            | 580    | 873                      | NR            | 710    | 119                      | NR            | 840    | 3                        | NR            | 970    | 0                        | NR            |
| 455    | 217                      | NR            | 585    | 913                      | NR            | 715    | 102                      | NR            | 845    | 2                        | NR            | 975    | 0                        | NR            |
| 460    | 168                      | NR            | 590    | 948                      | NR            | 720    | 88                       | NR            | 850    | 2                        | NR            | 980    | 0                        | NR            |
| 465    | 113                      | NR            | 595    | 974                      | NR            | 725    | 76                       | NR            | 855    | 2                        | NR            | 985    | 0                        | NR            |
| 470    | 85                       | NR            | 600    | 994                      | NR            | 730    | 65                       | NR            | 860    | 1                        | NR            | 990    | 0                        | NR            |
| 475    | 85                       | NR            | 605    | 998                      | NR            | 735    | 55                       | NR            | 865    | 1                        | NR            | 995    | 0                        | NR            |
| 480    | 94                       | NR            | 610    | 994                      | NR            | 740    | 47                       | NR            | 870    | 1                        | NR            | 1000   | 0                        | NR            |
| 485    | 120                      | NR            | 615    | 973                      | NR            | 745    | 41                       | NR            | 875    | 1                        | NR            |        |                          |               |

REPORT NUMBER: SP1-2408-195-9

### Melanopic Flux vs. Wavelength


**Melanopic Lumens: NR**
**M/P: 2.32**

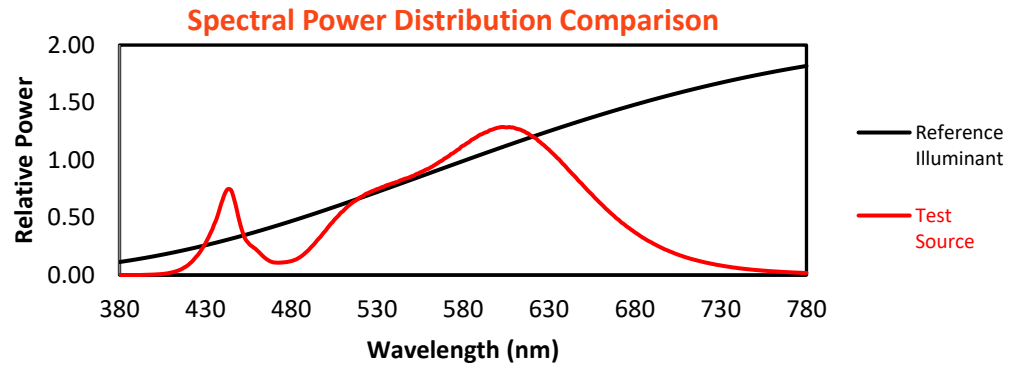
| $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>$\text{W}^\wedge/\text{nm}$ | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 0                                    | NR                             | 490               | 168                                  | NR                             | 620               | 940                                  | NR                             | 750               | 35                                   | NR                             | 880               | 1                                    | NR                             |
| 365               | 0                                    | NR                             | 495               | 233                                  | NR                             | 625               | 897                                  | NR                             | 755               | 30                                   | NR                             | 885               | 1                                    | NR                             |
| 370               | 0                                    | NR                             | 500               | 300                                  | NR                             | 630               | 847                                  | NR                             | 760               | 26                                   | NR                             | 890               | 1                                    | NR                             |
| 375               | 0                                    | NR                             | 505               | 372                                  | NR                             | 635               | 790                                  | NR                             | 765               | 22                                   | NR                             | 895               | 1                                    | NR                             |
| 380               | 0                                    | NR                             | 510               | 430                                  | NR                             | 640               | 730                                  | NR                             | 770               | 19                                   | NR                             | 900               | 1                                    | NR                             |
| 385               | 0                                    | NR                             | 515               | 483                                  | NR                             | 645               | 668                                  | NR                             | 775               | 16                                   | NR                             | 905               | 1                                    | NR                             |
| 390               | 0                                    | NR                             | 520               | 524                                  | NR                             | 650               | 605                                  | NR                             | 780               | 14                                   | NR                             | 910               | 0                                    | NR                             |
| 395               | 2                                    | NR                             | 525               | 555                                  | NR                             | 655               | 545                                  | NR                             | 785               | 12                                   | NR                             | 915               | 0                                    | NR                             |
| 400               | 4                                    | NR                             | 530               | 581                                  | NR                             | 660               | 485                                  | NR                             | 790               | 10                                   | NR                             | 920               | 0                                    | NR                             |
| 405               | 7                                    | NR                             | 535               | 604                                  | NR                             | 665               | 430                                  | NR                             | 795               | 9                                    | NR                             | 925               | 0                                    | NR                             |
| 410               | 17                                   | NR                             | 540               | 623                                  | NR                             | 670               | 378                                  | NR                             | 800               | 8                                    | NR                             | 930               | 0                                    | NR                             |
| 415               | 34                                   | NR                             | 545               | 645                                  | NR                             | 675               | 331                                  | NR                             | 805               | 7                                    | NR                             | 935               | 0                                    | NR                             |
| 420               | 68                                   | NR                             | 550               | 667                                  | NR                             | 680               | 290                                  | NR                             | 810               | 6                                    | NR                             | 940               | 0                                    | NR                             |
| 425               | 128                                  | NR                             | 555               | 693                                  | NR                             | 685               | 251                                  | NR                             | 815               | 5                                    | NR                             | 945               | 0                                    | NR                             |
| 430               | 214                                  | NR                             | 560               | 719                                  | NR                             | 690               | 218                                  | NR                             | 820               | 4                                    | NR                             | 950               | 0                                    | NR                             |
| 435               | 339                                  | NR                             | 565               | 754                                  | NR                             | 695               | 188                                  | NR                             | 825               | 4                                    | NR                             | 955               | 0                                    | NR                             |
| 440               | 507                                  | NR                             | 570               | 791                                  | NR                             | 700               | 162                                  | NR                             | 830               | 3                                    | NR                             | 960               | 0                                    | NR                             |
| 445               | 573                                  | NR                             | 575               | 830                                  | NR                             | 705               | 139                                  | NR                             | 835               | 3                                    | NR                             | 965               | 0                                    | NR                             |
| 450               | 356                                  | NR                             | 580               | 873                                  | NR                             | 710               | 119                                  | NR                             | 840               | 3                                    | NR                             | 970               | 0                                    | NR                             |
| 455               | 217                                  | NR                             | 585               | 913                                  | NR                             | 715               | 102                                  | NR                             | 845               | 2                                    | NR                             | 975               | 0                                    | NR                             |
| 460               | 168                                  | NR                             | 590               | 948                                  | NR                             | 720               | 88                                   | NR                             | 850               | 2                                    | NR                             | 980               | 0                                    | NR                             |
| 465               | 113                                  | NR                             | 595               | 974                                  | NR                             | 725               | 76                                   | NR                             | 855               | 2                                    | NR                             | 985               | 0                                    | NR                             |
| 470               | 85                                   | NR                             | 600               | 994                                  | NR                             | 730               | 65                                   | NR                             | 860               | 1                                    | NR                             | 990               | 0                                    | NR                             |
| 475               | 85                                   | NR                             | 605               | 998                                  | NR                             | 735               | 55                                   | NR                             | 865               | 1                                    | NR                             | 995               | 0                                    | NR                             |
| 480               | 94                                   | NR                             | 610               | 994                                  | NR                             | 740               | 47                                   | NR                             | 870               | 1                                    | NR                             | 1000              | 0                                    | NR                             |
| 485               | 120                                  | NR                             | 615               | 973                                  | NR                             | 745               | 41                                   | NR                             | 875               | 1                                    | NR                             |                   |                                      |                                |

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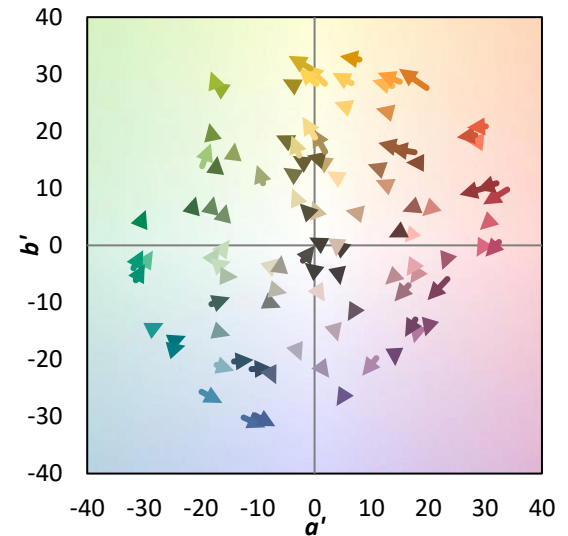
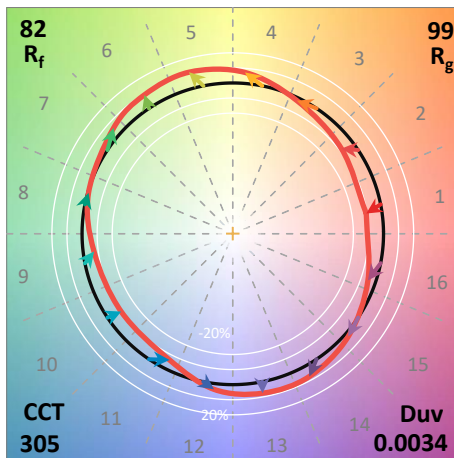
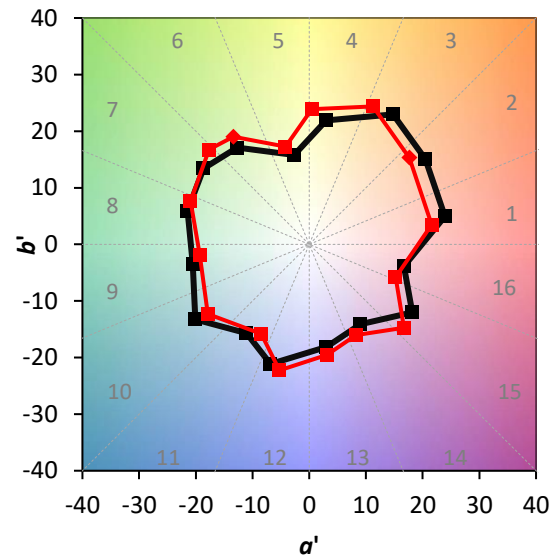
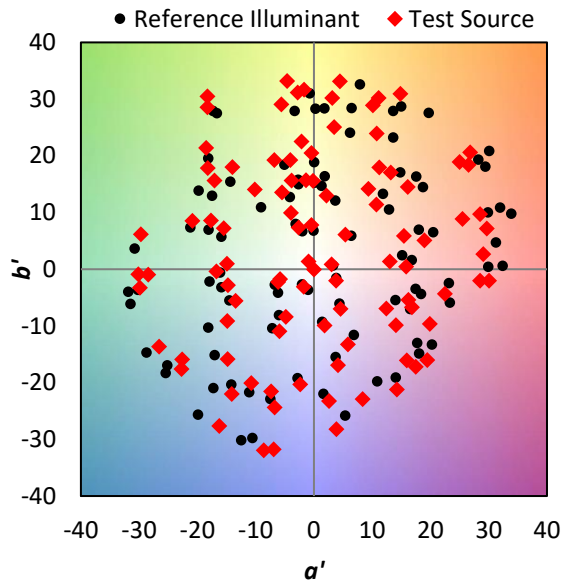
TM-30-18

### Summary

$R_f = 81.5$   
 $R_g = 99.2$   
 $CIE R_a = 81.0$   
 $R_g = 7.1$

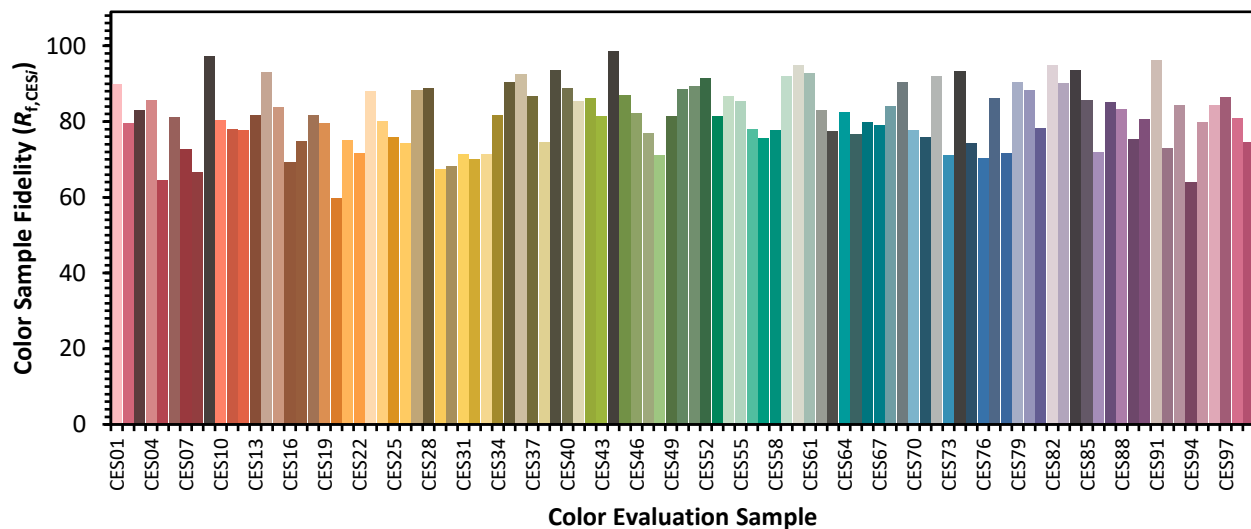


### Color Vector Graphics

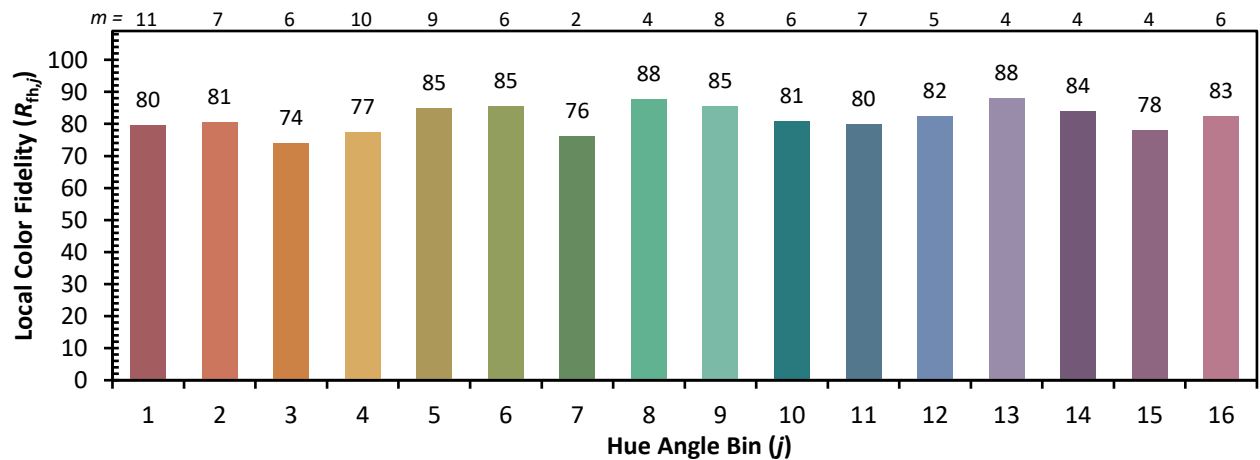
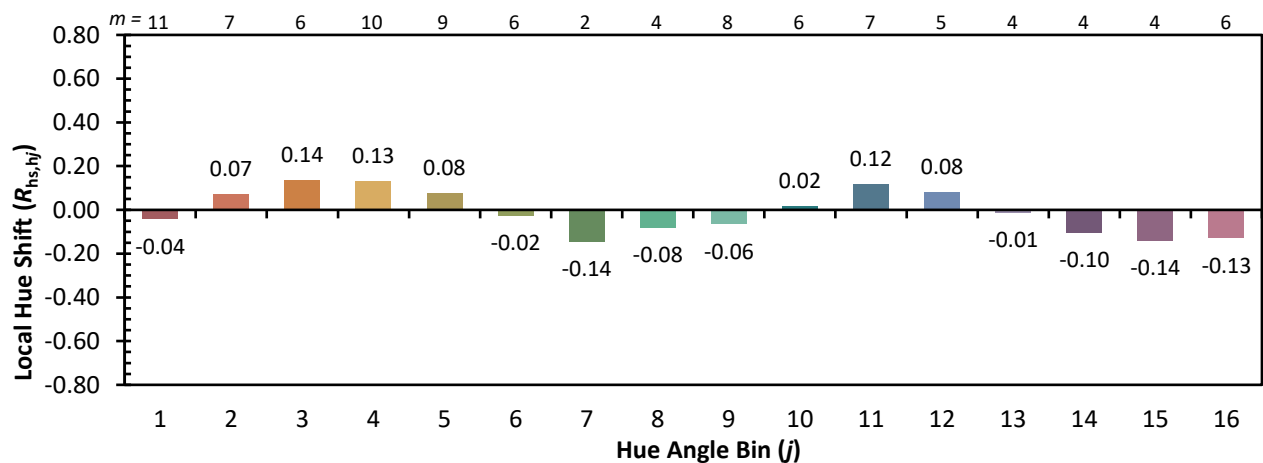
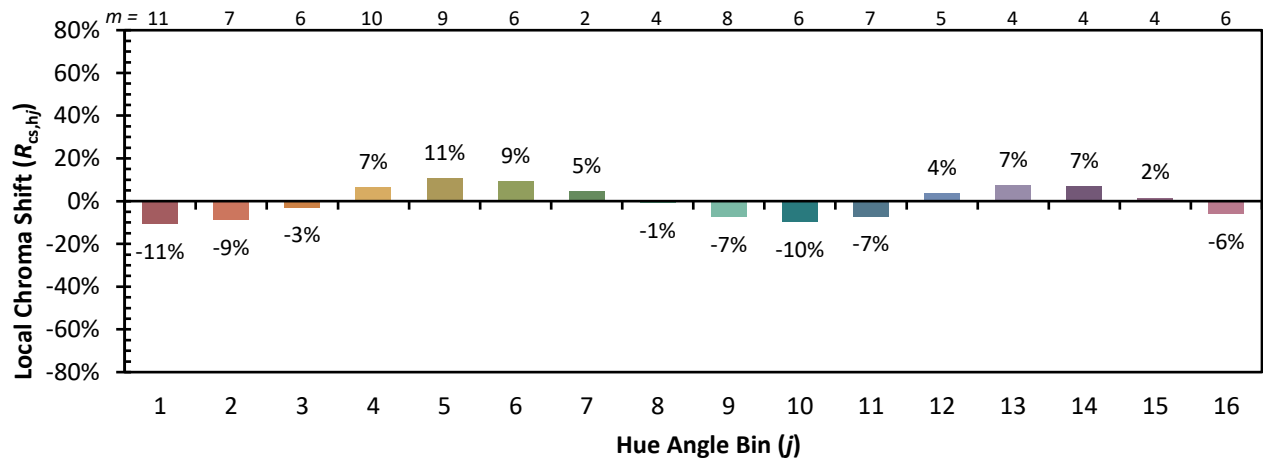


**Individual Sample Fidelity Index ( $R_{f,i}$ )**

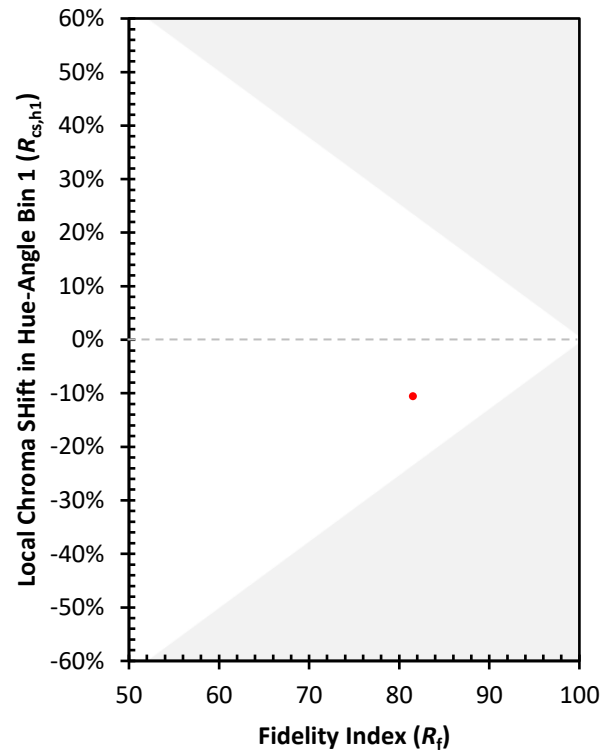
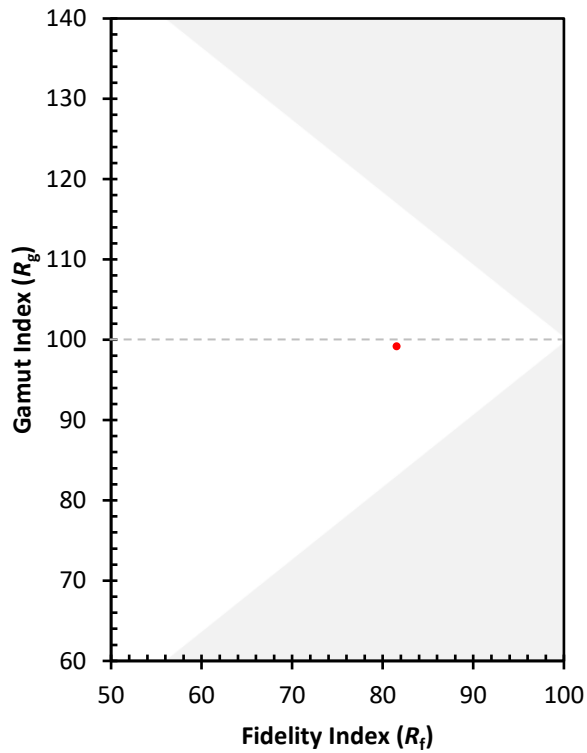
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 86 | CES26 = 74 | CES51 = 89 | CES76 = 70 |
| CES02 = 63 | CES27 = 88 | CES52 = 92 | CES77 = 86 |
| CES03 = 31 | CES28 = 89 | CES53 = 81 | CES78 = 72 |
| CES04 = 70 | CES29 = 67 | CES54 = 87 | CES79 = 90 |
| CES05 = 50 | CES30 = 68 | CES55 = 85 | CES80 = 88 |
| CES06 = 51 | CES31 = 71 | CES56 = 78 | CES81 = 78 |
| CES07 = 42 | CES32 = 70 | CES57 = 76 | CES82 = 95 |
| CES08 = 41 | CES33 = 71 | CES58 = 78 | CES83 = 90 |
| CES09 = 29 | CES34 = 82 | CES59 = 92 | CES84 = 94 |
| CES10 = 76 | CES35 = 90 | CES60 = 95 | CES85 = 86 |
| CES11 = 59 | CES36 = 93 | CES61 = 93 | CES86 = 72 |
| CES12 = 65 | CES37 = 87 | CES62 = 83 | CES87 = 85 |
| CES13 = 43 | CES38 = 75 | CES63 = 77 | CES88 = 83 |
| CES14 = 74 | CES39 = 94 | CES64 = 83 | CES89 = 75 |
| CES15 = 71 | CES40 = 89 | CES65 = 77 | CES90 = 81 |
| CES16 = 47 | CES41 = 85 | CES66 = 80 | CES91 = 96 |
| CES17 = 50 | CES42 = 86 | CES67 = 79 | CES92 = 73 |
| CES18 = 56 | CES43 = 81 | CES68 = 84 | CES93 = 84 |
| CES19 = 72 | CES44 = 99 | CES69 = 91 | CES94 = 64 |
| CES20 = 66 | CES45 = 87 | CES70 = 78 | CES95 = 80 |
| CES21 = 87 | CES46 = 82 | CES71 = 76 | CES96 = 84 |
| CES22 = 79 | CES47 = 77 | CES72 = 92 | CES97 = 87 |
| CES23 = 92 | CES48 = 71 | CES73 = 71 | CES98 = 81 |
| CES24 = 91 | CES49 = 81 | CES74 = 93 | CES99 = 74 |
| CES25 = 72 | CES50 = 89 | CES75 = 74 |            |



### Color Rendition by Hue-Angle Bin



**Measure Comparisons**



(END OF REPORT)