

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



Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P320568

Luminaire Tested: **GLEON-SA4C-727-U-SLR**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320568  
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-SA4C-727-U-SLR  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 2700K, 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: 20970 lumens  
Efficiency: N/A  
Efficacy: 93.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B3 - U0 - G4

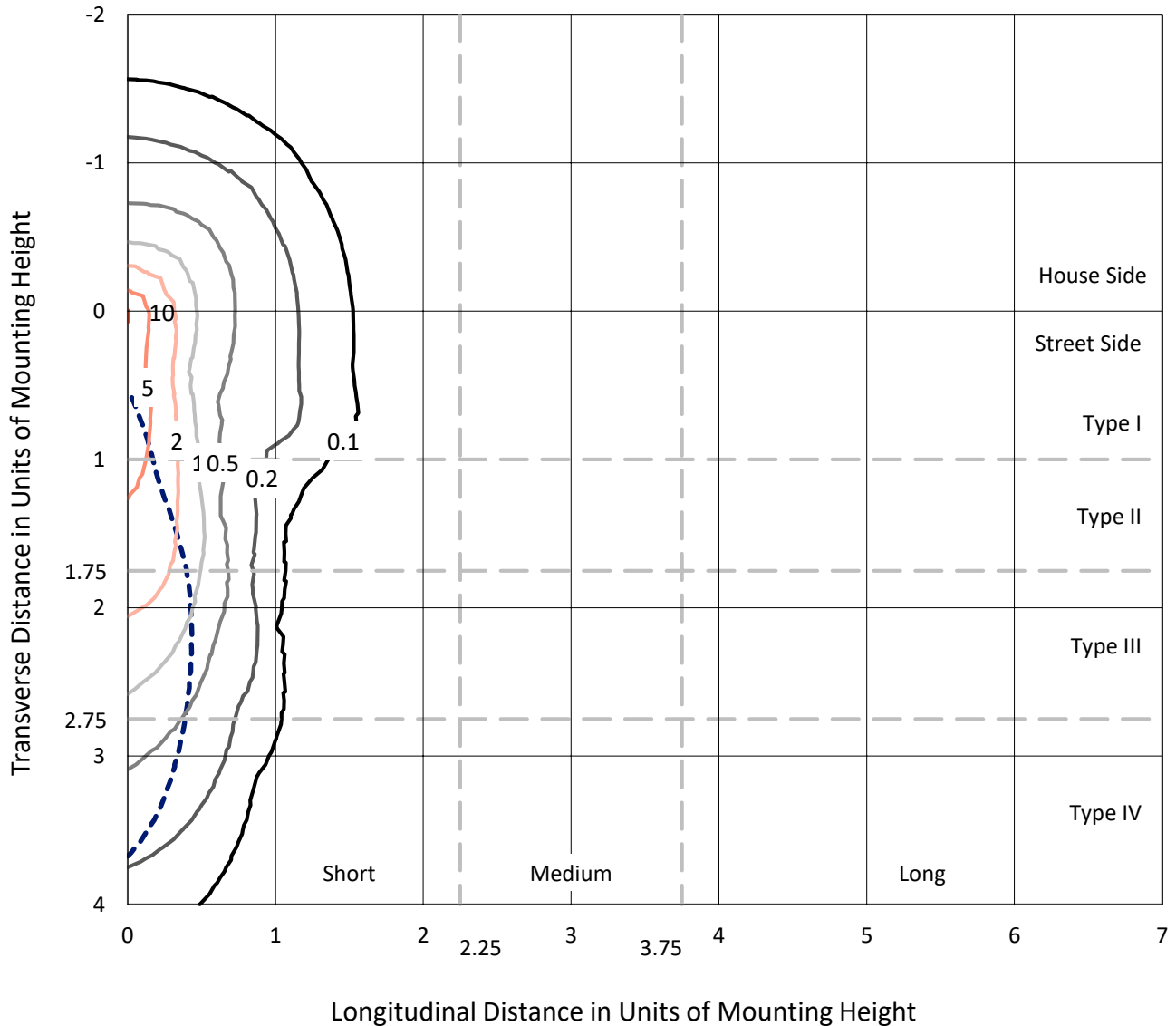
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

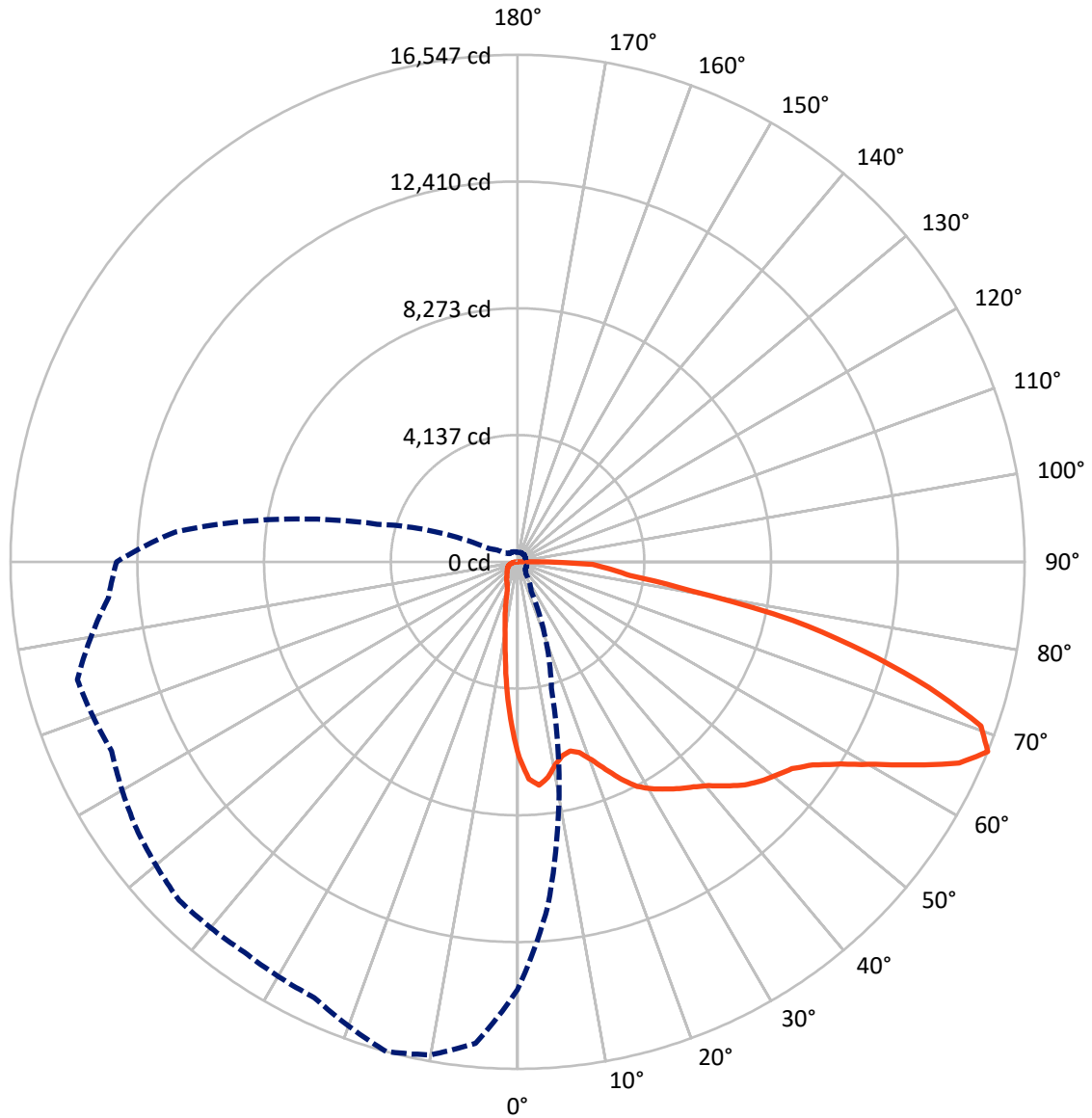
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.2 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



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

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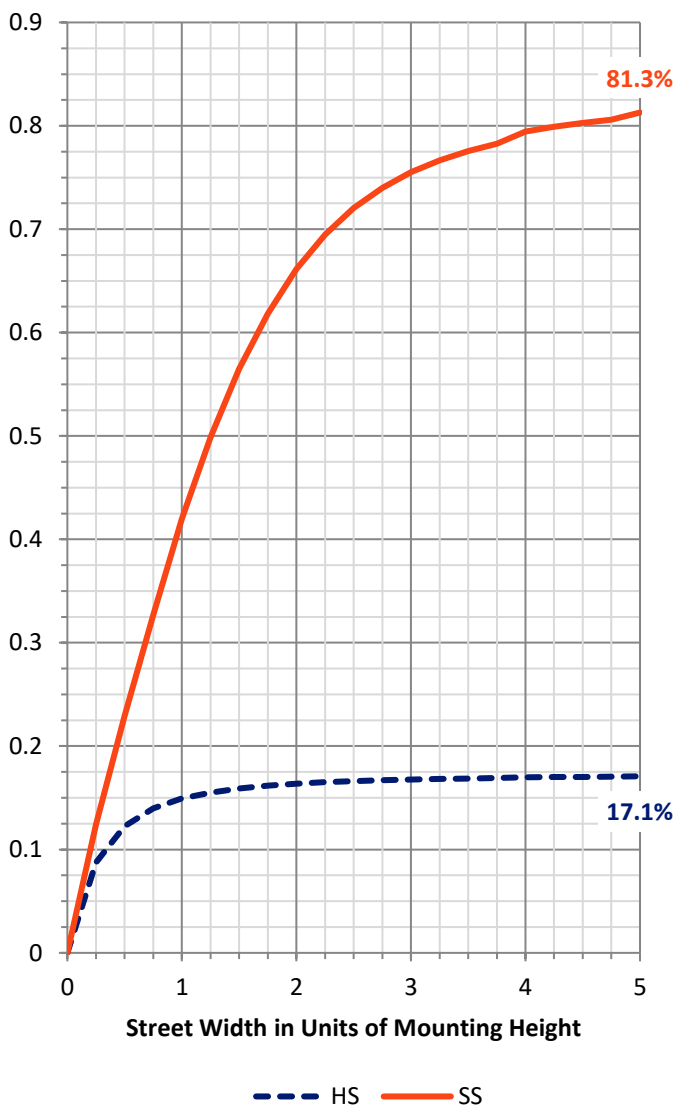
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3625.3   | 0.0    | 3625.3  |
|                    | % Fixture | 17.3     | 0.0    | 17.3    |
| <b>Street Side</b> | Lumens    | 17344.7  | 0.0    | 17344.7 |
|                    | % Fixture | 82.7     | 0.0    | 82.7    |
| <b>Total</b>       | Lumens    | 20970.0  | 0.0    | 20970.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 493.1   | 2.4       |
| 10°-20°   | 1024.3  | 4.9       |
| 20°-30°   | 1456.7  | 6.9       |
| 30°-40°   | 2099.2  | 10.0      |
| 40°-50°   | 2958.3  | 14.1      |
| 50°-60°   | 4112.6  | 19.6      |
| 60°-70°   | 4973.3  | 23.7      |
| 70°-80°   | 3057.0  | 14.6      |
| 80°-90°   | 795.5   | 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°    | 20970.0 | 100.0     |
| 0°-180°   | 20970.0 | 100.0     |

**Coefficient of Utilization**

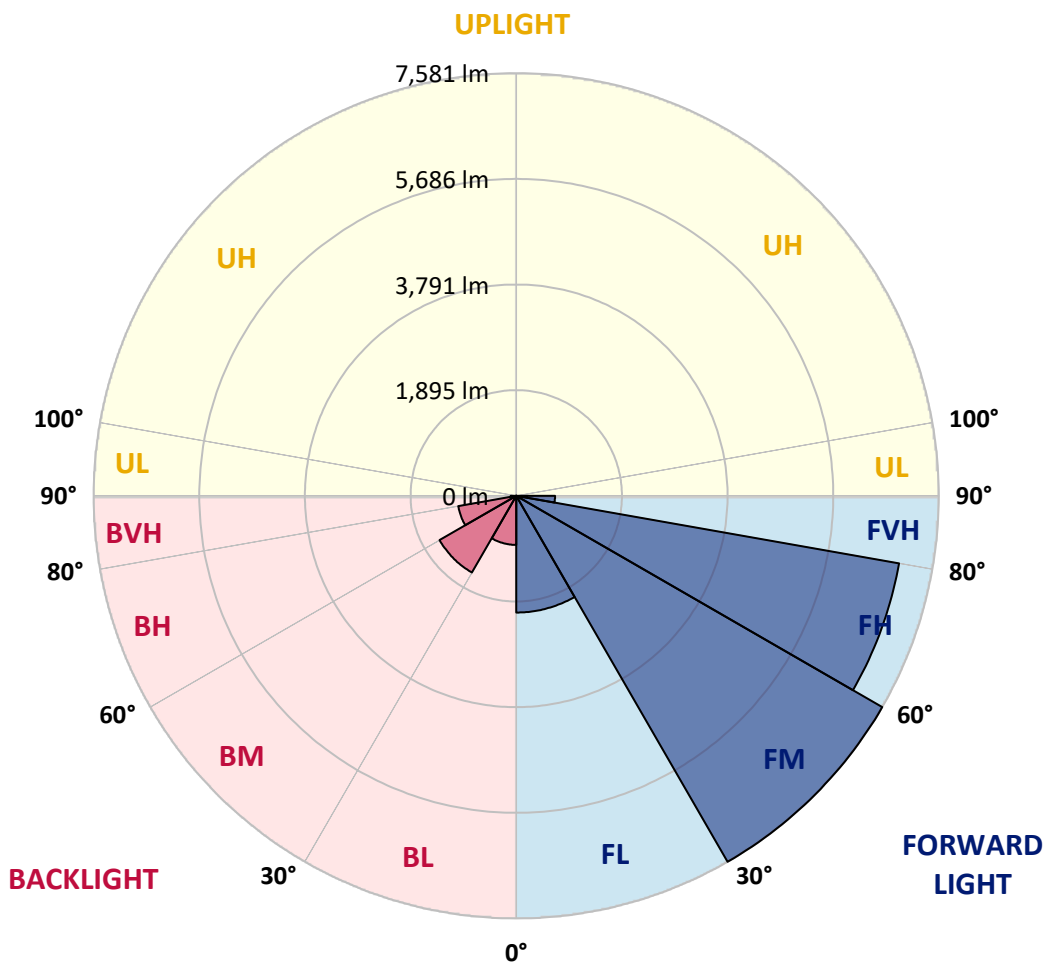


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 2093.9 | 10.0      |                         |      |         |
| FM (30°-60°)   | 7581.2 | 36.2      |                         |      |         |
| FH (60°-80°)   | 6973.9 | 33.3      |                         |      | G3/7500 |
| FVH (80°-90°)  | 695.7  | 3.3       |                         |      | G4/750  |
| BL (0°-30°)    | 880.2  | 4.2       | B2/1000                 |      |         |
| BM (30°-60°)   | 1588.9 | 7.6       | B2/2500                 |      |         |
| BH (60°-80°)   | 1056.5 | 5.0       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 99.7   | 0.5       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G4**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|        | 0°      | 5°      | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6388.7  | 6388.7  | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 |
| 2.5°   | 6843.9  | 6783.5  | 6692.2 | 6600.8 | 6532.9 | 6464.1 | 6386.1 | 6308.2 | 6219.3 | 6129.6 | 6076.8 |
| 5°     | 6730.7  | 6563.0  | 6345.1 | 6127.1 | 5982.9 | 5838.7 | 5675.2 | 5511.7 | 5349.9 | 5188.1 | 5100.9 |
| 7.5°   | 6221.0  | 5969.5  | 5686.1 | 5402.7 | 5193.1 | 4982.6 | 4756.3 | 4529.1 | 4327.9 | 4125.8 | 4000.9 |
| 10°    | 5719.6  | 5417.8  | 5092.5 | 4766.3 | 4498.0 | 4229.8 | 4002.6 | 3774.5 | 3622.8 | 3471.0 | 3356.1 |
| 12.5°  | 5359.9  | 5025.4  | 4667.4 | 4308.6 | 4040.3 | 3772.0 | 3627.8 | 3483.6 | 3357.8 | 3232.1 | 3099.6 |
| 15°    | 5217.4  | 4839.3  | 4472.9 | 4105.7 | 3861.7 | 3617.7 | 3457.6 | 3296.6 | 3128.1 | 2958.7 | 2796.1 |
| 17.5°  | 5343.2  | 4900.5  | 4502.2 | 4104.0 | 3784.6 | 3465.1 | 3241.3 | 3016.6 | 2794.4 | 2572.2 | 2383.6 |
| 20°    | 5735.5  | 5170.5  | 4649.8 | 4128.3 | 3703.2 | 3278.2 | 2978.0 | 2677.0 | 2392.0 | 2106.9 | 1893.1 |
| 22.5°  | 6286.4  | 5538.5  | 4858.6 | 4178.6 | 3629.5 | 3079.5 | 2703.0 | 2325.7 | 1988.7 | 1651.7 | 1442.1 |
| 25°    | 6955.4  | 6026.5  | 5159.6 | 4291.8 | 3599.3 | 2905.9 | 2443.1 | 1980.3 | 1624.8 | 1268.5 | 1119.3 |
| 27.5°  | 7660.5  | 6608.3  | 5533.5 | 4457.8 | 3604.3 | 2750.8 | 2224.3 | 1696.9 | 1376.7 | 1056.4 | 954.1  |
| 30°    | 8248.2  | 7273.2  | 5969.5 | 4664.9 | 3623.6 | 2582.3 | 2018.0 | 1453.8 | 1189.7 | 925.6  | 859.4  |
| 32.5°  | 8785.7  | 7736.8  | 6298.1 | 4858.6 | 3645.4 | 2431.4 | 1858.7 | 1285.3 | 1069.8 | 853.5  | 799.0  |
| 35°    | 9340.7  | 8148.5  | 6527.8 | 4906.4 | 3607.7 | 2308.1 | 1749.8 | 1191.4 | 992.7  | 793.1  | 747.0  |
| 37.5°  | 9951.9  | 8593.7  | 6749.2 | 4903.8 | 3543.9 | 2184.0 | 1665.1 | 1145.3 | 942.4  | 738.6  | 705.1  |
| 40°    | 10633.5 | 9085.8  | 6989.0 | 4892.1 | 3486.1 | 2079.2 | 1602.2 | 1124.3 | 914.7  | 704.3  | 675.8  |
| 42.5°  | 11300.0 | 9555.3  | 7212.0 | 4868.6 | 3439.1 | 2008.8 | 1540.2 | 1071.5 | 889.5  | 706.8  | 666.5  |
| 45°    | 11800.6 | 9965.3  | 7405.6 | 4845.1 | 3403.9 | 1962.7 | 1491.5 | 1020.3 | 866.1  | 711.8  | 660.7  |
| 47.5°  | 12180.4 | 10377.0 | 7620.3 | 4862.8 | 3400.6 | 1938.4 | 1457.2 | 975.9  | 821.6  | 666.5  | 645.6  |
| 50°    | 12663.3 | 10871.6 | 7933.0 | 4994.4 | 3446.7 | 1899.0 | 1416.9 | 934.0  | 778.9  | 623.8  | 652.3  |
| 52.5°  | 13264.4 | 11577.6 | 8417.6 | 5256.8 | 3543.1 | 1829.4 | 1353.2 | 877.0  | 726.9  | 576.0  | 620.4  |
| 55°    | 14147.3 | 12482.2 | 9037.2 | 5591.3 | 3659.6 | 1727.1 | 1256.8 | 785.6  | 658.1  | 529.9  | 569.3  |
| 57.5°  | 14939.6 | 13396.1 | 9631.6 | 5866.3 | 3732.6 | 1598.0 | 1135.2 | 672.4  | 581.0  | 489.6  | 512.3  |
| 60°    | 15292.5 | 13867.2 | 9910.0 | 5951.8 | 3689.0 | 1426.1 | 998.5  | 570.1  | 513.1  | 456.1  | 451.9  |
| 62.5°  | 15155.0 | 13567.9 | 9635.8 | 5703.7 | 3476.0 | 1248.4 | 877.8  | 507.2  | 464.5  | 420.9  | 411.7  |
| 65°    | 14752.6 | 12627.2 | 8867.8 | 5108.4 | 3116.4 | 1124.3 | 801.5  | 478.7  | 430.9  | 383.2  | 373.1  |
| 67.5°  | 13959.5 | 11288.3 | 7779.6 | 4270.8 | 2659.4 | 1048.0 | 757.9  | 467.8  | 410.0  | 351.3  | 339.6  |
| 70°    | 12535.9 | 9676.9  | 6526.2 | 3374.6 | 2188.2 | 1001.1 | 729.4  | 457.8  | 387.3  | 316.1  | 305.2  |
| 72.5°  | 10296.5 | 7758.6  | 5211.5 | 2663.6 | 1829.4 | 995.2  | 726.1  | 456.9  | 368.9  | 280.9  | 270.8  |
| 75°    | 7372.1  | 5893.2  | 3978.2 | 2062.5 | 1498.2 | 934.0  | 689.2  | 444.4  | 343.7  | 242.3  | 233.1  |
| 77.5°  | 4960.8  | 4078.8  | 2765.1 | 1450.4 | 1111.7 | 773.0  | 579.3  | 385.7  | 294.3  | 202.9  | 193.7  |
| 80°    | 3185.9  | 2822.9  | 1852.9 | 882.8  | 721.0  | 559.2  | 414.2  | 269.1  | 214.6  | 159.3  | 151.8  |
| 82.5°  | 2337.5  | 2101.0  | 1287.8 | 474.5  | 400.8  | 326.1  | 253.2  | 180.3  | 146.7  | 113.2  | 109.8  |
| 85°    | 1485.7  | 1638.2  | 948.2  | 258.2  | 211.3  | 164.3  | 135.8  | 107.3  | 84.7   | 62.0   | 62.0   |
| 87.5°  | 288.4   | 399.1   | 262.4  | 124.9  | 91.4   | 57.9   | 49.5   | 40.2   | 22.6   | 4.2    | 5.0    |
| 90°    | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0     | 0.0     | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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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°     | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 |
| 2.5°   | 6023.1 | 5965.3 | 5907.4 | 5842.0 | 5775.8 | 5714.6 | 5652.5 | 5584.6 | 5597.2 | 5545.2 | 5493.2 |
| 5°     | 5013.7 | 4921.4 | 4828.4 | 4747.9 | 4667.4 | 4597.8 | 4527.4 | 4464.5 | 4519.0 | 4482.1 | 4445.2 |
| 7.5°   | 3875.1 | 3761.1 | 3646.2 | 3549.8 | 3453.4 | 3378.8 | 3303.3 | 3251.3 | 3305.0 | 3298.3 | 3291.6 |
| 10°    | 3241.3 | 3130.6 | 3019.1 | 2912.6 | 2806.1 | 2715.6 | 2624.2 | 2547.1 | 2533.7 | 2495.1 | 2455.7 |
| 12.5°  | 2966.3 | 2814.5 | 2661.9 | 2550.4 | 2438.9 | 2330.8 | 2222.6 | 2132.1 | 2091.0 | 2027.3 | 1962.7 |
| 15°    | 2633.4 | 2454.0 | 2274.6 | 2148.0 | 2020.6 | 1915.8 | 1810.1 | 1732.1 | 1706.2 | 1656.7 | 1607.2 |
| 17.5°  | 2194.9 | 1998.8 | 1802.6 | 1674.3 | 1545.2 | 1461.3 | 1376.7 | 1324.7 | 1324.7 | 1310.4 | 1296.2 |
| 20°    | 1679.3 | 1504.1 | 1328.9 | 1230.8 | 1132.7 | 1088.3 | 1043.0 | 1021.2 | 1027.9 | 1028.7 | 1028.7 |
| 22.5°  | 1231.6 | 1124.3 | 1017.0 | 977.6  | 937.3  | 921.4  | 905.5  | 896.3  | 899.6  | 900.4  | 901.3  |
| 25°    | 970.0  | 929.0  | 887.0  | 866.9  | 846.0  | 835.9  | 825.8  | 822.5  | 830.0  | 830.9  | 830.9  |
| 27.5°  | 851.8  | 826.7  | 800.7  | 788.1  | 774.7  | 770.5  | 766.3  | 760.4  | 768.0  | 768.0  | 767.1  |
| 30°    | 792.3  | 765.5  | 738.6  | 722.7  | 706.8  | 708.5  | 709.3  | 707.6  | 712.6  | 716.0  | 718.5  |
| 32.5°  | 743.7  | 717.7  | 691.7  | 675.8  | 659.0  | 656.5  | 654.0  | 652.3  | 663.2  | 669.0  | 674.9  |
| 35°    | 700.1  | 671.6  | 643.1  | 628.0  | 612.9  | 607.0  | 601.1  | 596.9  | 607.0  | 614.6  | 622.1  |
| 37.5°  | 670.7  | 641.4  | 611.2  | 596.9  | 581.9  | 574.3  | 566.8  | 561.7  | 565.9  | 569.3  | 572.6  |
| 40°    | 647.2  | 617.1  | 586.0  | 569.3  | 552.5  | 545.0  | 537.4  | 533.2  | 535.7  | 536.6  | 537.4  |
| 42.5°  | 625.5  | 596.1  | 566.8  | 548.3  | 529.0  | 519.8  | 510.6  | 505.6  | 507.2  | 508.9  | 509.8  |
| 45°    | 609.5  | 580.2  | 550.0  | 528.2  | 505.6  | 495.5  | 485.4  | 479.6  | 480.4  | 480.4  | 480.4  |
| 47.5°  | 624.6  | 581.9  | 538.3  | 513.1  | 487.1  | 475.4  | 463.6  | 457.8  | 456.1  | 454.4  | 452.7  |
| 50°    | 679.9  | 607.0  | 533.2  | 501.4  | 468.7  | 456.1  | 442.7  | 436.0  | 431.8  | 430.1  | 428.4  |
| 52.5°  | 664.0  | 601.1  | 537.4  | 496.3  | 454.4  | 439.3  | 424.2  | 413.3  | 409.1  | 406.6  | 404.1  |
| 55°    | 607.8  | 568.4  | 528.2  | 478.7  | 429.3  | 415.8  | 401.6  | 394.1  | 386.5  | 384.8  | 383.2  |
| 57.5°  | 534.1  | 518.1  | 502.2  | 451.9  | 401.6  | 389.0  | 375.6  | 370.6  | 363.9  | 363.9  | 363.0  |
| 60°    | 446.9  | 470.3  | 493.8  | 436.0  | 377.3  | 363.0  | 348.8  | 344.6  | 342.1  | 341.2  | 340.4  |
| 62.5°  | 401.6  | 440.2  | 477.9  | 416.7  | 354.6  | 339.6  | 324.5  | 319.4  | 318.6  | 319.4  | 319.4  |
| 65°    | 363.0  | 374.8  | 386.5  | 358.0  | 329.5  | 314.4  | 298.5  | 293.4  | 295.1  | 297.6  | 300.1  |
| 67.5°  | 327.8  | 325.3  | 322.8  | 312.7  | 301.8  | 289.3  | 275.8  | 270.8  | 271.6  | 275.0  | 278.4  |
| 70°    | 294.3  | 290.9  | 286.7  | 279.2  | 271.6  | 260.7  | 249.8  | 246.5  | 245.7  | 249.8  | 253.2  |
| 72.5°  | 260.7  | 256.6  | 251.5  | 245.7  | 238.9  | 229.7  | 220.5  | 218.0  | 218.8  | 221.3  | 223.9  |
| 75°    | 223.9  | 220.5  | 216.3  | 211.3  | 205.4  | 197.0  | 188.6  | 187.0  | 188.6  | 191.2  | 193.7  |
| 77.5°  | 183.6  | 182.8  | 181.1  | 176.9  | 172.7  | 163.5  | 153.4  | 152.6  | 155.1  | 157.6  | 159.3  |
| 80°    | 143.4  | 144.2  | 145.0  | 141.7  | 138.3  | 128.3  | 117.4  | 116.5  | 119.1  | 121.6  | 124.1  |
| 82.5°  | 105.6  | 108.2  | 109.8  | 105.6  | 101.4  | 89.7   | 78.0   | 76.3   | 84.7   | 87.2   | 89.7   |
| 85°    | 61.2   | 64.6   | 67.9   | 64.6   | 61.2   | 49.5   | 37.7   | 36.9   | 44.4   | 48.6   | 52.8   |
| 87.5°  | 5.0    | 6.7    | 8.4    | 7.5    | 6.7    | 3.4    | 0.0    | 0.0    | 0.8    | 4.2    | 7.5    |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320568  
 CATALOG NUMBER: GLEON-SA4C-727-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: P320568

CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 |
| 2.5°   | 5460.5 | 5427.8 | 5417.8 | 5407.7 | 5370.8 | 5333.1 | 5371.7 | 5409.4 | 5425.3 | 5441.3 | 5400.2 |
| 5°     | 4440.2 | 4434.3 | 4434.3 | 4433.5 | 4400.0 | 4365.6 | 4391.6 | 4416.7 | 4360.6 | 4304.4 | 4298.5 |
| 7.5°   | 3327.6 | 3363.7 | 3393.0 | 3421.5 | 3410.6 | 3399.7 | 3424.1 | 3448.4 | 3377.1 | 3305.0 | 3269.8 |
| 10°    | 2464.1 | 2471.6 | 2503.5 | 2535.3 | 2542.9 | 2549.6 | 2579.8 | 2609.1 | 2553.8 | 2498.5 | 2474.1 |
| 12.5°  | 1922.5 | 1882.2 | 1886.4 | 1889.8 | 1904.9 | 1919.1 | 1951.0 | 1982.0 | 1959.4 | 1935.9 | 1938.4 |
| 15°    | 1556.9 | 1505.8 | 1484.8 | 1463.0 | 1479.8 | 1496.6 | 1519.2 | 1541.0 | 1541.8 | 1541.8 | 1563.6 |
| 17.5°  | 1271.0 | 1245.0 | 1224.1 | 1202.3 | 1224.9 | 1246.7 | 1249.2 | 1251.7 | 1252.6 | 1253.4 | 1251.7 |
| 20°    | 1041.3 | 1053.9 | 1047.2 | 1040.5 | 1048.8 | 1056.4 | 1063.1 | 1069.0 | 1061.4 | 1053.0 | 1032.1 |
| 22.5°  | 913.0  | 923.9  | 932.3  | 939.9  | 954.1  | 967.5  | 960.8  | 953.3  | 938.2  | 922.2  | 906.3  |
| 25°    | 838.4  | 846.0  | 854.3  | 862.7  | 874.5  | 885.4  | 873.6  | 861.9  | 851.0  | 840.1  | 829.2  |
| 27.5°  | 775.5  | 783.1  | 790.6  | 797.3  | 808.2  | 818.3  | 807.4  | 796.5  | 787.3  | 778.0  | 769.7  |
| 30°    | 724.4  | 729.4  | 735.3  | 741.2  | 751.2  | 760.4  | 751.2  | 741.2  | 734.4  | 726.9  | 721.0  |
| 32.5°  | 680.8  | 685.8  | 688.3  | 690.8  | 700.1  | 709.3  | 702.6  | 695.9  | 690.0  | 684.1  | 679.9  |
| 35°    | 633.0  | 643.1  | 644.7  | 646.4  | 655.6  | 664.9  | 660.7  | 655.6  | 648.9  | 642.2  | 634.7  |
| 37.5°  | 584.4  | 596.1  | 602.8  | 608.7  | 617.9  | 627.1  | 622.9  | 618.7  | 609.5  | 600.3  | 586.9  |
| 40°    | 543.3  | 548.3  | 560.9  | 572.6  | 587.7  | 602.0  | 593.6  | 584.4  | 570.1  | 555.9  | 549.2  |
| 42.5°  | 508.9  | 508.1  | 519.8  | 531.5  | 554.2  | 576.0  | 560.9  | 545.8  | 532.4  | 519.0  | 517.3  |
| 45°    | 478.7  | 476.2  | 482.1  | 488.0  | 512.3  | 535.7  | 520.7  | 504.7  | 497.2  | 489.6  | 489.6  |
| 47.5°  | 451.9  | 450.2  | 454.4  | 457.8  | 472.9  | 487.1  | 479.6  | 472.0  | 467.8  | 463.6  | 464.5  |
| 50°    | 427.6  | 425.9  | 430.1  | 433.5  | 439.3  | 444.4  | 446.0  | 446.9  | 444.4  | 441.8  | 443.5  |
| 52.5°  | 405.0  | 405.0  | 406.6  | 407.5  | 415.0  | 422.6  | 422.6  | 421.7  | 421.7  | 421.7  | 423.4  |
| 55°    | 385.7  | 387.3  | 387.3  | 387.3  | 399.1  | 410.0  | 406.6  | 403.3  | 404.1  | 404.1  | 405.8  |
| 57.5°  | 366.4  | 368.9  | 370.6  | 372.3  | 384.0  | 395.7  | 392.4  | 389.0  | 389.0  | 389.0  | 389.9  |
| 60°    | 344.6  | 347.9  | 351.3  | 354.6  | 366.4  | 378.1  | 374.8  | 370.6  | 371.4  | 372.3  | 373.1  |
| 62.5°  | 323.6  | 327.0  | 330.3  | 333.7  | 345.4  | 357.2  | 353.8  | 349.6  | 352.1  | 353.8  | 353.8  |
| 65°    | 303.5  | 306.0  | 309.4  | 312.7  | 323.6  | 334.5  | 331.2  | 327.8  | 331.2  | 333.7  | 335.4  |
| 67.5°  | 280.9  | 282.5  | 285.9  | 289.3  | 300.1  | 311.0  | 307.7  | 303.5  | 307.7  | 311.0  | 314.4  |
| 70°    | 254.9  | 256.6  | 260.7  | 264.1  | 275.0  | 285.9  | 281.7  | 277.5  | 281.7  | 285.9  | 289.3  |
| 72.5°  | 226.4  | 228.0  | 232.2  | 235.6  | 248.2  | 260.7  | 255.7  | 250.7  | 255.7  | 260.7  | 262.4  |
| 75°    | 195.3  | 197.0  | 202.1  | 206.2  | 218.8  | 231.4  | 227.2  | 222.2  | 226.4  | 230.6  | 231.4  |
| 77.5°  | 161.8  | 164.3  | 171.0  | 177.7  | 187.8  | 197.9  | 195.3  | 192.8  | 195.3  | 197.9  | 197.9  |
| 80°    | 126.6  | 129.1  | 137.5  | 145.0  | 150.9  | 156.8  | 157.6  | 158.5  | 159.3  | 160.1  | 159.3  |
| 82.5°  | 93.9   | 97.3   | 104.8  | 112.3  | 112.3  | 112.3  | 119.1  | 124.9  | 124.9  | 124.1  | 123.2  |
| 85°    | 57.9   | 62.0   | 68.7   | 75.5   | 71.3   | 67.1   | 78.0   | 88.0   | 88.0   | 87.2   | 85.5   |
| 87.5°  | 11.7   | 15.9   | 22.6   | 28.5   | 24.3   | 20.1   | 31.0   | 41.9   | 42.8   | 42.8   | 41.1   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320568  
 CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



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CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 |
| 2.5°   | 5358.3 | 5423.7 | 5488.2 | 5505.0 | 5530.1 | 5541.0 | 5551.1 | 5633.3 | 5714.6 | 5810.2 | 5905.7 |
| 5°     | 4291.8 | 4340.4 | 4389.1 | 4396.6 | 4422.6 | 4436.0 | 4449.4 | 4549.2 | 4648.1 | 4781.4 | 4914.7 |
| 7.5°   | 3234.6 | 3246.3 | 3258.0 | 3256.4 | 3278.2 | 3307.5 | 3336.0 | 3442.5 | 3548.1 | 3691.5 | 3834.0 |
| 10°    | 2449.8 | 2476.7 | 2502.6 | 2527.0 | 2574.7 | 2630.1 | 2684.6 | 2793.6 | 2902.6 | 3044.3 | 3185.1 |
| 12.5°  | 1940.9 | 1971.9 | 2002.1 | 2028.9 | 2084.3 | 2158.1 | 2231.0 | 2361.8 | 2492.6 | 2661.9 | 2830.5 |
| 15°    | 1584.6 | 1582.1 | 1579.6 | 1598.0 | 1646.6 | 1727.1 | 1806.8 | 1945.1 | 2083.4 | 2269.6 | 2454.9 |
| 17.5°  | 1250.1 | 1237.5 | 1224.9 | 1239.2 | 1284.4 | 1350.7 | 1416.1 | 1533.4 | 1650.0 | 1830.2 | 2010.5 |
| 20°    | 1011.1 | 1002.7 | 994.3  | 1007.8 | 1036.3 | 1063.9 | 1091.6 | 1176.3 | 1260.1 | 1406.8 | 1552.7 |
| 22.5°  | 889.5  | 888.7  | 887.0  | 894.6  | 908.0  | 922.2  | 935.7  | 976.7  | 1017.0 | 1111.7 | 1205.6 |
| 25°    | 818.3  | 817.4  | 816.6  | 820.0  | 830.9  | 841.8  | 852.7  | 879.5  | 906.3  | 951.6  | 996.9  |
| 27.5°  | 761.3  | 759.6  | 757.9  | 758.8  | 761.3  | 778.0  | 794.0  | 806.5  | 818.3  | 849.3  | 879.5  |
| 30°    | 715.2  | 714.3  | 713.5  | 713.5  | 711.0  | 716.8  | 722.7  | 742.0  | 760.4  | 792.3  | 824.2  |
| 32.5°  | 675.8  | 671.6  | 667.4  | 658.1  | 652.3  | 660.7  | 669.0  | 689.2  | 709.3  | 738.6  | 768.0  |
| 35°    | 626.3  | 615.4  | 603.7  | 598.6  | 599.5  | 607.8  | 616.2  | 636.4  | 655.6  | 687.5  | 718.5  |
| 37.5°  | 572.6  | 569.3  | 565.1  | 564.2  | 566.8  | 575.1  | 583.5  | 601.1  | 617.9  | 649.8  | 680.8  |
| 40°    | 542.4  | 540.8  | 539.1  | 537.4  | 539.1  | 547.5  | 555.9  | 572.6  | 588.6  | 619.6  | 649.8  |
| 42.5°  | 515.6  | 514.8  | 513.9  | 513.9  | 514.8  | 524.0  | 533.2  | 550.0  | 565.9  | 593.6  | 621.3  |
| 45°    | 489.6  | 490.5  | 490.5  | 492.1  | 494.7  | 503.9  | 512.3  | 530.7  | 549.2  | 576.0  | 602.8  |
| 47.5°  | 465.3  | 467.8  | 469.5  | 473.7  | 476.2  | 486.3  | 495.5  | 515.6  | 535.7  | 569.3  | 602.0  |
| 50°    | 444.4  | 446.9  | 448.5  | 451.9  | 458.6  | 470.3  | 482.1  | 506.4  | 529.9  | 586.0  | 641.4  |
| 52.5°  | 425.1  | 427.6  | 430.1  | 433.5  | 441.8  | 455.3  | 468.7  | 498.9  | 528.2  | 593.6  | 659.0  |
| 55°    | 407.5  | 410.0  | 411.7  | 416.7  | 425.1  | 436.8  | 447.7  | 484.6  | 521.5  | 569.3  | 617.1  |
| 57.5°  | 390.7  | 393.2  | 394.9  | 398.2  | 402.4  | 415.0  | 426.7  | 466.2  | 505.6  | 539.1  | 571.8  |
| 60°    | 373.1  | 374.8  | 375.6  | 375.6  | 379.0  | 393.2  | 407.5  | 457.8  | 507.2  | 501.4  | 494.7  |
| 62.5°  | 353.8  | 355.5  | 356.3  | 353.8  | 358.0  | 373.1  | 388.2  | 453.6  | 519.0  | 478.7  | 438.5  |
| 65°    | 336.2  | 335.4  | 334.5  | 332.0  | 337.0  | 352.1  | 366.4  | 399.1  | 431.8  | 415.8  | 399.9  |
| 67.5°  | 316.9  | 314.4  | 311.9  | 308.5  | 313.6  | 327.0  | 339.6  | 350.5  | 361.4  | 363.0  | 364.7  |
| 70°    | 292.6  | 289.3  | 285.9  | 285.1  | 287.6  | 298.5  | 309.4  | 316.9  | 323.6  | 327.0  | 329.5  |
| 72.5°  | 264.1  | 261.6  | 259.1  | 257.4  | 258.2  | 267.5  | 275.8  | 282.5  | 289.3  | 291.8  | 293.4  |
| 75°    | 232.2  | 232.2  | 231.4  | 226.4  | 226.4  | 233.9  | 240.6  | 246.5  | 252.4  | 255.7  | 259.1  |
| 77.5°  | 197.9  | 198.7  | 198.7  | 192.0  | 191.2  | 198.7  | 205.4  | 210.4  | 214.6  | 218.0  | 220.5  |
| 80°    | 158.5  | 156.8  | 155.1  | 150.9  | 149.2  | 158.5  | 166.8  | 171.0  | 174.4  | 175.2  | 175.2  |
| 82.5°  | 121.6  | 118.2  | 114.0  | 104.8  | 105.6  | 115.7  | 124.9  | 128.3  | 131.6  | 131.6  | 131.6  |
| 85°    | 83.0   | 76.3   | 68.7   | 61.2   | 62.0   | 72.9   | 83.0   | 86.4   | 89.7   | 91.4   | 92.2   |
| 87.5°  | 39.4   | 32.7   | 25.2   | 19.3   | 19.3   | 28.5   | 36.9   | 38.6   | 40.2   | 43.6   | 47.0   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P320568  
 CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



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CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°    | 270°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0°     | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7 | 6388.7  | 6388.7  |
| 2.5°   | 5978.7 | 6050.8 | 6125.4 | 6200.0 | 6285.5 | 6371.0 | 6470.8 | 6569.8 | 6654.4 | 6739.1  | 6809.5  |
| 5°     | 5029.6 | 5144.5 | 5279.4 | 5414.4 | 5586.3 | 5758.2 | 5968.6 | 6178.2 | 6365.2 | 6552.1  | 6769.3  |
| 7.5°   | 3984.1 | 4133.3 | 4309.4 | 4485.5 | 4707.7 | 4929.8 | 5202.3 | 5474.8 | 5738.9 | 6002.2  | 6335.8  |
| 10°    | 3341.9 | 3498.7 | 3672.2 | 3844.9 | 4071.3 | 4296.8 | 4585.2 | 4872.8 | 5169.6 | 5465.6  | 5842.9  |
| 12.5°  | 3004.8 | 3178.4 | 3331.0 | 3483.6 | 3667.2 | 3850.0 | 4129.2 | 4408.3 | 4757.1 | 5105.1  | 5468.1  |
| 15°    | 2645.2 | 2834.7 | 3017.4 | 3200.2 | 3400.6 | 3600.1 | 3871.8 | 4143.4 | 4524.9 | 4906.4  | 5323.9  |
| 17.5°  | 2210.0 | 2409.6 | 2632.6 | 2854.8 | 3116.4 | 3377.1 | 3725.0 | 4073.0 | 4524.9 | 4975.9  | 5468.1  |
| 20°    | 1756.5 | 1960.2 | 2226.8 | 2493.4 | 2818.7 | 3143.2 | 3594.2 | 4045.3 | 4654.0 | 5261.8  | 5889.8  |
| 22.5°  | 1385.9 | 1565.3 | 1856.2 | 2146.3 | 2521.9 | 2897.5 | 3476.0 | 4053.7 | 4849.3 | 5644.2  | 6491.8  |
| 25°    | 1123.5 | 1250.1 | 1536.0 | 1821.0 | 2254.5 | 2687.9 | 3403.9 | 4119.1 | 5133.6 | 6147.2  | 7198.6  |
| 27.5°  | 962.5  | 1045.5 | 1312.1 | 1577.9 | 2051.6 | 2524.4 | 3374.6 | 4223.9 | 5494.1 | 6764.3  | 7967.4  |
| 30°    | 882.0  | 939.9  | 1165.4 | 1390.1 | 1871.3 | 2352.6 | 3339.4 | 4326.2 | 5841.2 | 7355.3  | 8568.5  |
| 32.5°  | 814.9  | 861.0  | 1053.9 | 1245.9 | 1715.4 | 2184.9 | 3271.5 | 4357.2 | 6083.5 | 7809.8  | 9077.4  |
| 35°    | 757.9  | 796.5  | 964.2  | 1131.8 | 1593.0 | 2054.1 | 3157.4 | 4260.8 | 6235.2 | 8209.7  | 9607.3  |
| 37.5°  | 711.8  | 742.0  | 897.1  | 1052.2 | 1487.3 | 1922.5 | 3027.5 | 4132.5 | 6370.2 | 8607.9  | 10203.4 |
| 40°    | 675.8  | 701.7  | 846.8  | 991.8  | 1386.7 | 1781.6 | 2916.0 | 4049.5 | 6556.3 | 9063.2  | 10833.0 |
| 42.5°  | 655.6  | 689.2  | 803.2  | 916.4  | 1291.1 | 1665.9 | 2826.3 | 3986.6 | 6729.0 | 9470.6  | 11383.9 |
| 45°    | 650.6  | 698.4  | 780.6  | 862.7  | 1219.9 | 1577.0 | 2746.6 | 3915.4 | 6840.6 | 9765.8  | 11798.9 |
| 47.5°  | 642.2  | 681.6  | 762.9  | 844.3  | 1184.7 | 1524.2 | 2703.9 | 3882.7 | 6952.1 | 10020.6 | 12143.5 |
| 50°    | 647.2  | 652.3  | 748.7  | 844.3  | 1179.6 | 1515.0 | 2752.5 | 3990.0 | 7193.5 | 10396.2 | 12537.5 |
| 52.5°  | 638.0  | 616.2  | 721.9  | 827.5  | 1178.8 | 1530.1 | 2892.5 | 4254.9 | 7642.1 | 11028.4 | 12964.3 |
| 55°    | 589.4  | 560.9  | 671.6  | 782.2  | 1161.2 | 1539.3 | 3059.3 | 4578.5 | 8244.0 | 11908.7 | 13731.4 |
| 57.5°  | 546.6  | 520.7  | 614.6  | 707.6  | 1107.5 | 1507.5 | 3231.2 | 4954.1 | 8880.4 | 12805.8 | 14595.8 |
| 60°    | 489.6  | 483.8  | 550.8  | 617.9  | 1024.5 | 1430.3 | 3372.9 | 5314.7 | 9308.0 | 13300.5 | 14928.7 |
| 62.5°  | 442.7  | 446.0  | 495.5  | 545.0  | 920.6  | 1295.3 | 3419.9 | 5543.5 | 9296.2 | 13049.0 | 14593.3 |
| 65°    | 406.6  | 412.5  | 461.1  | 509.8  | 831.7  | 1153.6 | 3265.6 | 5376.7 | 8825.9 | 12274.3 | 13930.1 |
| 67.5°  | 371.4  | 378.1  | 436.0  | 493.0  | 752.9  | 1012.0 | 2879.9 | 4747.1 | 7980.0 | 11212.0 | 13086.7 |
| 70°    | 337.9  | 346.3  | 409.1  | 472.0  | 695.9  | 918.9  | 2382.8 | 3846.6 | 6921.0 | 9994.6  | 12109.9 |
| 72.5°  | 301.8  | 310.2  | 377.3  | 444.4  | 659.8  | 874.5  | 1942.6 | 3009.9 | 5616.5 | 8222.3  | 10358.5 |
| 75°    | 264.9  | 270.8  | 343.7  | 415.8  | 610.4  | 804.9  | 1524.2 | 2242.7 | 4298.5 | 6354.3  | 7824.0  |
| 77.5°  | 228.0  | 235.6  | 296.8  | 357.2  | 518.1  | 678.3  | 1148.6 | 1619.0 | 3154.1 | 4688.4  | 5441.3  |
| 80°    | 181.9  | 188.6  | 232.2  | 275.0  | 399.9  | 524.0  | 789.8  | 1055.6 | 2170.6 | 3285.7  | 3709.9  |
| 82.5°  | 139.2  | 146.7  | 176.1  | 204.6  | 285.1  | 365.5  | 478.7  | 591.9  | 1442.1 | 2291.4  | 2326.6  |
| 85°    | 95.6   | 98.1   | 119.1  | 139.2  | 176.1  | 213.0  | 274.2  | 335.4  | 954.1  | 1572.9  | 1310.4  |
| 87.5°  | 47.8   | 47.8   | 62.0   | 76.3   | 94.7   | 113.2  | 145.0  | 176.1  | 305.2  | 434.3   | 249.8   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0     | 0.0     |



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**CANDELA DISTRIBUTION (continued):**

|        | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |





REPORT NUMBER: P320568

CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°    | 280°    | 285°    | 290°    | 295°    | 300°    | 305°    | 310°    | 315°    | 320°    | 325°    |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  |
| 2.5°   | 6899.2  | 6960.4  | 7022.5  | 7069.4  | 7117.2  | 7186.0  | 7254.7  | 7267.3  | 7280.7  | 7253.9  | 7227.1  |
| 5°     | 6988.1  | 7173.4  | 7359.5  | 7531.4  | 7703.3  | 7806.4  | 7909.5  | 7930.5  | 7951.4  | 7886.9  | 7821.5  |
| 7.5°   | 6658.6  | 6981.4  | 7304.2  | 7600.2  | 7896.1  | 8075.5  | 8255.8  | 8296.0  | 8337.1  | 8231.5  | 8125.8  |
| 10°    | 6218.5  | 6615.0  | 7011.6  | 7401.5  | 7791.3  | 8052.1  | 8312.8  | 8364.8  | 8416.8  | 8285.1  | 8153.5  |
| 12.5°  | 5878.1  | 6301.5  | 6724.9  | 7135.7  | 7547.3  | 7817.3  | 8087.3  | 8151.8  | 8216.4  | 8120.8  | 8024.4  |
| 15°    | 5773.3  | 6171.5  | 6569.8  | 6927.8  | 7286.6  | 7507.1  | 7728.4  | 7754.4  | 7781.2  | 7766.2  | 7751.1  |
| 17.5°  | 5963.6  | 6323.3  | 6683.8  | 6878.3  | 7073.6  | 7161.7  | 7250.5  | 7279.0  | 7308.4  | 7346.1  | 7384.7  |
| 20°    | 6424.7  | 6677.9  | 6931.9  | 6923.6  | 6914.3  | 6871.6  | 6828.0  | 6820.4  | 6812.9  | 6921.0  | 7030.0  |
| 22.5°  | 7113.0  | 7213.6  | 7315.1  | 7079.5  | 6843.9  | 6700.5  | 6556.3  | 6527.8  | 6498.5  | 6613.3  | 6729.0  |
| 25°    | 7860.1  | 7841.6  | 7822.3  | 7373.8  | 6924.4  | 6651.1  | 6377.8  | 6345.9  | 6314.0  | 6412.1  | 6511.1  |
| 27.5°  | 8599.5  | 8478.8  | 8358.1  | 7748.6  | 7139.0  | 6742.5  | 6345.9  | 6314.0  | 6282.2  | 6369.4  | 6456.6  |
| 30°    | 9142.0  | 8948.3  | 8754.6  | 8064.6  | 7374.6  | 6903.4  | 6432.3  | 6380.3  | 6327.5  | 6434.8  | 6542.1  |
| 32.5°  | 9565.4  | 9305.5  | 9045.6  | 8321.2  | 7596.8  | 7087.0  | 6577.3  | 6496.0  | 6414.6  | 6558.0  | 6701.4  |
| 35°    | 9987.9  | 9622.4  | 9256.0  | 8550.1  | 7843.3  | 7304.2  | 6764.3  | 6664.5  | 6564.7  | 6761.7  | 6958.8  |
| 37.5°  | 10519.5 | 9994.6  | 9469.0  | 8807.5  | 8146.0  | 7629.5  | 7112.2  | 7009.9  | 6907.6  | 7158.3  | 7409.8  |
| 40°    | 11096.3 | 10396.2 | 9696.2  | 9089.2  | 8482.2  | 8079.7  | 7676.4  | 7579.2  | 7481.1  | 7786.3  | 8091.5  |
| 42.5°  | 11575.9 | 10770.2 | 9964.5  | 9428.7  | 8892.1  | 8608.8  | 8324.5  | 8323.7  | 8322.0  | 8631.4  | 8940.8  |
| 45°    | 11965.7 | 11082.1 | 10197.5 | 9759.9  | 9321.4  | 9173.8  | 9026.3  | 9144.5  | 9262.7  | 9541.9  | 9821.9  |
| 47.5°  | 12256.7 | 11343.6 | 10429.8 | 10138.8 | 9847.9  | 9869.7  | 9891.5  | 10132.1 | 10372.8 | 10552.2 | 10732.4 |
| 50°    | 12446.1 | 11580.9 | 10714.8 | 10625.1 | 10535.4 | 10730.8 | 10926.9 | 11202.8 | 11479.5 | 11601.9 | 11724.3 |
| 52.5°  | 12722.0 | 11902.9 | 11082.9 | 11183.5 | 11284.1 | 11683.2 | 12082.3 | 12361.5 | 12640.7 | 12685.9 | 12732.0 |
| 55°    | 13360.0 | 12494.8 | 11628.7 | 11821.5 | 12015.2 | 12600.4 | 13186.5 | 13404.4 | 13622.4 | 13639.2 | 13656.0 |
| 57.5°  | 14266.3 | 13324.0 | 12381.6 | 12589.5 | 12797.4 | 13473.2 | 14149.8 | 14384.5 | 14620.1 | 14587.4 | 14553.9 |
| 60°    | 14944.6 | 14111.2 | 13277.0 | 13486.6 | 13696.2 | 14355.2 | 15014.2 | 15284.1 | 15555.0 | 15482.8 | 15410.7 |
| 62.5°  | 14986.5 | 14541.3 | 14095.3 | 14284.8 | 14475.1 | 15120.7 | 15766.2 | 16043.7 | 16321.3 | 16195.5 | 16069.7 |
| 65°    | 14320.0 | 14519.5 | 14719.1 | 14781.9 | 14844.8 | 15446.8 | 16049.6 | 16261.7 | 16474.7 | 16411.0 | 16347.2 |
| 67.5°  | 13401.9 | 14137.2 | 14873.3 | 14746.7 | 14620.1 | 14902.7 | 15185.2 | 15404.0 | 15622.9 | 15586.8 | 15549.9 |
| 70°    | 12485.5 | 13467.3 | 14449.1 | 13827.0 | 13204.1 | 13087.5 | 12971.0 | 13206.6 | 13443.0 | 13297.1 | 13150.4 |
| 72.5°  | 10925.3 | 11971.6 | 13018.8 | 11872.7 | 10726.6 | 10328.3 | 9930.1  | 10229.4 | 10528.7 | 10296.5 | 10063.4 |
| 75°    | 8576.1  | 9732.2  | 10889.2 | 9521.8  | 8154.3  | 7622.8  | 7091.2  | 7348.6  | 7606.0  | 7446.7  | 7286.6  |
| 77.5°  | 6384.5  | 7523.9  | 8663.3  | 7273.2  | 5882.3  | 5487.4  | 5091.6  | 5167.9  | 5245.1  | 5218.2  | 5190.6  |
| 80°    | 4330.4  | 5124.3  | 5919.1  | 4993.5  | 4067.9  | 4098.1  | 4129.2  | 4093.1  | 4056.2  | 4109.9  | 4163.5  |
| 82.5°  | 2763.4  | 3376.3  | 3990.0  | 3498.7  | 3007.4  | 3289.1  | 3570.8  | 3432.4  | 3293.3  | 3344.4  | 3396.4  |
| 85°    | 1577.0  | 2176.5  | 2776.8  | 2588.2  | 2398.7  | 2563.0  | 2728.2  | 2513.5  | 2298.9  | 2392.8  | 2487.6  |
| 87.5°  | 415.8   | 1204.0  | 1992.9  | 1809.3  | 1625.7  | 1412.7  | 1199.8  | 915.5   | 631.3   | 922.2   | 1213.2  |
| 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     |



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 CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 115°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 117.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 120°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 122.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 125°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 127.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 130°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 132.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 135°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 137.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 140°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 142.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 145°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 147.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |



REPORT NUMBER: P320568

CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°    | 335°    | 340°    | 345°    | 350°    | 355°    | 360°    |
|--------|---------|---------|---------|---------|---------|---------|---------|
| 0°     | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  | 6388.7  |
| 2.5°   | 7212.8  | 7198.6  | 7147.4  | 7095.4  | 7018.3  | 6954.6  | 6843.9  |
| 5°     | 7730.9  | 7640.4  | 7484.5  | 7327.7  | 7153.3  | 6952.9  | 6730.7  |
| 7.5°   | 7914.6  | 7702.4  | 7403.1  | 7103.0  | 6833.0  | 6516.1  | 6221.0  |
| 10°    | 7836.6  | 7518.8  | 7129.8  | 6739.9  | 6412.1  | 6047.4  | 5719.6  |
| 12.5°  | 7687.3  | 7349.5  | 6921.0  | 6491.8  | 6118.7  | 5727.2  | 5359.9  |
| 15°    | 7481.9  | 7212.0  | 6810.4  | 6408.8  | 6033.2  | 5652.5  | 5217.4  |
| 17.5°  | 7257.2  | 7129.0  | 6838.9  | 6548.0  | 6222.7  | 5853.8  | 5343.2  |
| 20°    | 7076.1  | 7123.1  | 7007.4  | 6891.7  | 6631.0  | 6309.0  | 5735.5  |
| 22.5°  | 6953.7  | 7179.3  | 7268.1  | 7357.9  | 7201.1  | 6949.5  | 6286.4  |
| 25°    | 6885.0  | 7258.9  | 7556.6  | 7855.0  | 7785.4  | 7591.8  | 6955.4  |
| 27.5°  | 6915.2  | 7373.8  | 7835.7  | 8298.5  | 8363.1  | 8309.4  | 7660.5  |
| 30°    | 7005.7  | 7470.2  | 8032.8  | 8596.2  | 8853.6  | 8925.7  | 8248.2  |
| 32.5°  | 7156.6  | 7611.9  | 8224.8  | 8838.5  | 9227.5  | 9457.2  | 8785.7  |
| 35°    | 7384.7  | 7810.6  | 8449.5  | 9088.3  | 9591.4  | 10010.6 | 9340.7  |
| 37.5°  | 7776.2  | 8142.6  | 8732.0  | 9322.2  | 9974.5  | 10604.2 | 9951.9  |
| 40°    | 8349.7  | 8608.8  | 9106.8  | 9605.6  | 10426.4 | 11276.6 | 10633.5 |
| 42.5°  | 9073.2  | 9206.5  | 9601.4  | 9996.3  | 10898.4 | 11886.9 | 11300.0 |
| 45°    | 9857.1  | 9892.4  | 10140.5 | 10389.5 | 11272.4 | 12302.8 | 11800.6 |
| 47.5°  | 10611.7 | 10491.0 | 10589.9 | 10688.8 | 11559.1 | 12599.6 | 12180.4 |
| 50°    | 11388.1 | 11051.9 | 10999.9 | 10947.9 | 11845.8 | 12949.2 | 12663.3 |
| 52.5°  | 12177.9 | 11623.7 | 11418.3 | 11212.0 | 12187.9 | 13412.8 | 13264.4 |
| 55°    | 12950.9 | 12245.8 | 11969.1 | 11692.4 | 12711.1 | 13978.7 | 14147.3 |
| 57.5°  | 13754.9 | 12955.9 | 12699.3 | 12442.8 | 13479.9 | 14695.6 | 14939.6 |
| 60°    | 14620.1 | 13828.7 | 13623.3 | 13417.0 | 14435.7 | 15470.3 | 15292.5 |
| 62.5°  | 15440.9 | 14812.1 | 14704.0 | 14595.0 | 15402.4 | 16065.5 | 15155.0 |
| 65°    | 15989.2 | 15630.4 | 15731.0 | 15832.5 | 16133.5 | 16213.9 | 14752.6 |
| 67.5°  | 15622.9 | 15695.8 | 16120.9 | 16546.8 | 16339.7 | 15772.9 | 13959.5 |
| 70°    | 13587.2 | 14024.9 | 15031.8 | 16039.6 | 15580.1 | 14591.6 | 12535.9 |
| 72.5°  | 10554.7 | 11046.8 | 12541.7 | 14037.4 | 13614.0 | 12403.4 | 10296.5 |
| 75°    | 7841.6  | 8397.5  | 10047.5 | 11697.4 | 11109.7 | 9277.8  | 7372.1  |
| 77.5°  | 5562.8  | 5935.1  | 7564.1  | 9194.0  | 8235.7  | 6175.7  | 4960.8  |
| 80°    | 4049.5  | 3935.5  | 4843.5  | 5751.5  | 5592.2  | 4084.7  | 3185.9  |
| 82.5°  | 3118.0  | 2839.7  | 3267.3  | 3694.9  | 3671.4  | 2834.7  | 2337.5  |
| 85°    | 2376.0  | 2264.5  | 2642.7  | 3020.8  | 2697.2  | 1920.0  | 1485.7  |
| 87.5°  | 1385.0  | 1557.8  | 2003.0  | 2449.0  | 1837.8  | 582.7   | 288.4   |
| 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: P320568  
 CATALOG NUMBER: GLEON-SA4C-727-U-SLR

**CANDELA DISTRIBUTION (continued):**

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

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



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

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-1908-441-1-R4

Test Date: 08/20/2019

Luminaire Tested: SA1C-727-U-5WQ

**Test Information**

Test Method: LM-79-2008  
 Report Number: SP1-1908-441-1-R4  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 10/28/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: McGRAW-EDISON  
 Catalog Number: **SA1C-727-U-5WQ**  
 Description: McGRAW EDISON ROADWAY AND AREA LUMINAIRE

\*\*\*THIS IS A REVISION OF SP1-1908-441-1-R3. TO UPDATE THE CATALOG NUMBER.\*\*\*TESTED IN  
 SITU. (1) 70 CRI, 2700K, 1050MA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS.

**Spectral Parameters**

CCT (K): 2741  
 CIE u': 0.2605  
 CIE v': 0.5272  
 Duv: 0.0005  
 CIE x: 0.4573  
 CIE y: 0.4113  
 CIE z: 0.1313  
 Peak Wavelength (nm): 602  
 Dominant Wavelength (nm): 583  
 Purity: 61.2  
 Rf: 69.9  
 Rg: 98.3

|           |      |      |       |
|-----------|------|------|-------|
| CRI (Ra): | 71.5 |      |       |
| R1:       | 69.2 | R9:  | -16.1 |
| R2:       | 79.4 | R10: | 51.4  |
| R3:       | 87.8 | R11: | 63.1  |
| R4:       | 69.4 | R12: | 42.0  |
| R5:       | 66.4 | R13: | 70.2  |
| R6:       | 69.8 | R14: | 92.4  |
| R7:       | 79.8 |      |       |
| R8:       | 50.1 |      |       |



**Test Conditions**

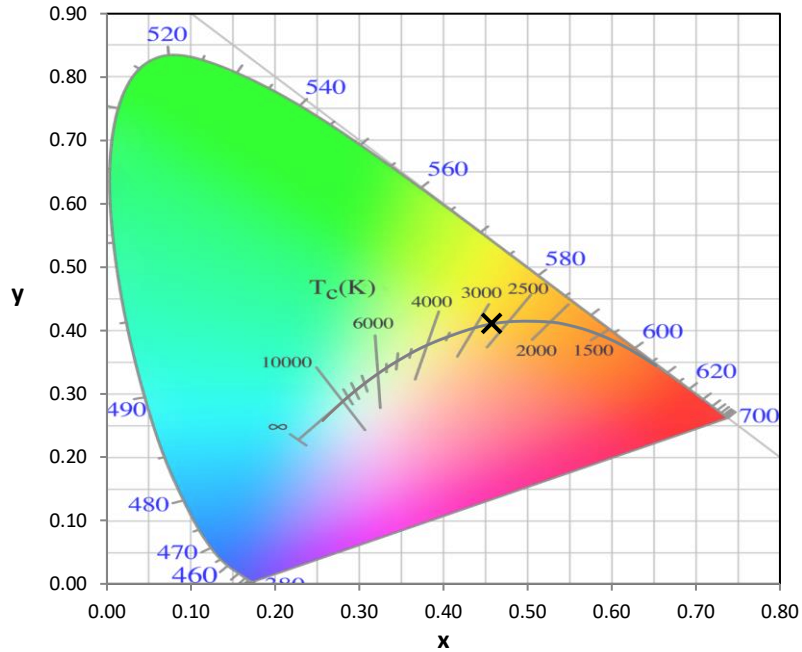
Stabilization Time: 56M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 25.3./42%  
 Sphere Temperature (°C): 25.7

REPORT NUMBER: SP1-1908-441-1-R4

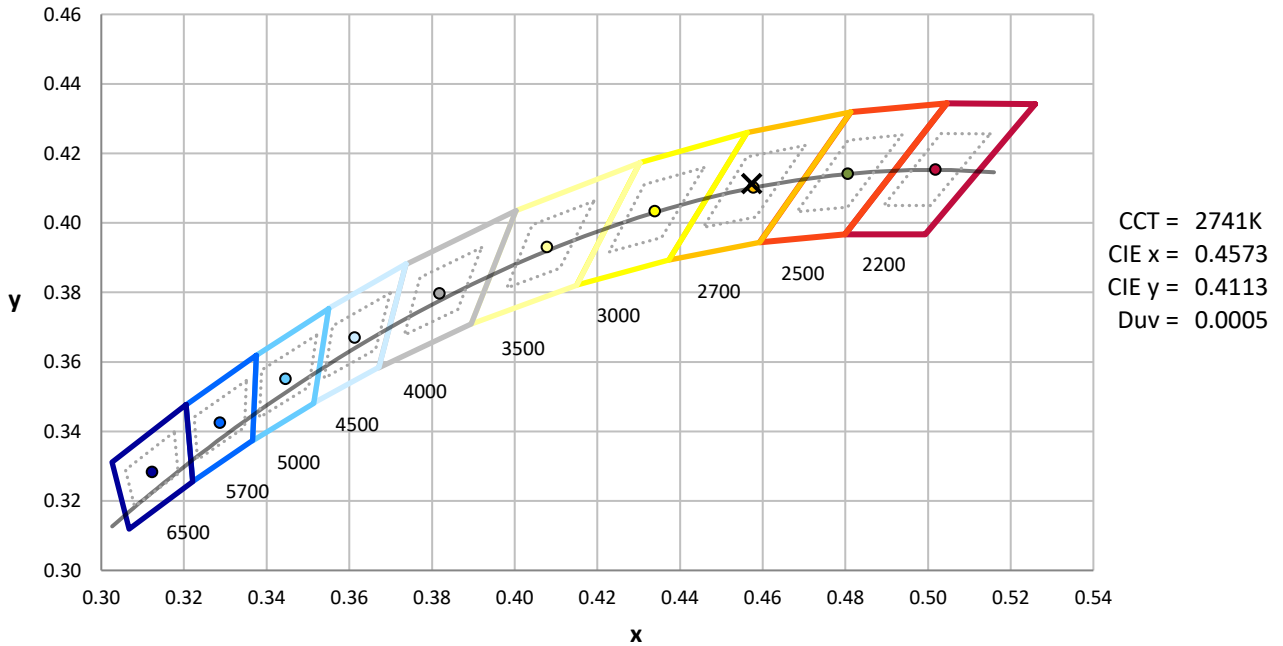
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date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

REPORT NUMBER: SP1-1908-441-1-R4

CIE 1931 Chromaticity Diagram



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



Point lies inside the ANSI 2700K 4-step quadrangle



REPORT NUMBER: SP1-1908-441-1-R4

**Photopic Flux vs. Wavelength**



**Photopic Lumens: 6211.7**

| $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) | $\lambda$<br>(nm) | Power<br>( $\mu\text{W}/\text{nm}$ ) | Lumens<br>( $\phi/\text{nm}$ ) |
|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|-------------------|--------------------------------------|--------------------------------|
| 360               | 2044                                 | 0.0                            | 490               | 7179                                 | 1.0                            | 620               | 118034                               | 30.7                           | 750               | 8362                                 | 0.0                            | 880               | 3128                                 | 0.0                            |
| 365               | 2016                                 | 0.0                            | 495               | 10476                                | 1.9                            | 625               | 111884                               | 24.7                           | 755               | 7635                                 | 0.0                            | 885               | 3110                                 | 0.0                            |
| 370               | 2020                                 | 0.0                            | 500               | 15549                                | 3.4                            | 630               | 106119                               | 19.2                           | 760               | 6582                                 | 0.0                            | 890               | 2632                                 | 0.0                            |
| 375               | 2137                                 | 0.0                            | 505               | 22477                                | 6.3                            | 635               | 99706                                | 15.0                           | 765               | 5777                                 | 0.0                            | 895               | 2709                                 | 0.0                            |
| 380               | 2046                                 | 0.0                            | 510               | 30417                                | 10.4                           | 640               | 92142                                | 11.0                           | 770               | 5474                                 | 0.0                            | 900               | 2016                                 | 0.0                            |
| 385               | 1925                                 | 0.0                            | 515               | 39274                                | 16.3                           | 645               | 84987                                | 8.2                            | 775               | 4977                                 | 0.0                            | 905               | 1748                                 | 0.0                            |
| 390               | 1893                                 | 0.0                            | 520               | 47282                                | 22.9                           | 650               | 78016                                | 5.7                            | 780               | 4723                                 | 0.0                            | 910               | 2046                                 | 0.0                            |
| 395               | 1695                                 | 0.0                            | 525               | 55413                                | 29.7                           | 655               | 71541                                | 4.1                            | 785               | 4219                                 | 0.0                            | 915               | 1844                                 | 0.0                            |
| 400               | 1633                                 | 0.0                            | 530               | 62377                                | 36.7                           | 660               | 64863                                | 2.7                            | 790               | 3969                                 | 0.0                            | 920               | 2734                                 | 0.0                            |
| 405               | 2065                                 | 0.0                            | 535               | 68520                                | 42.5                           | 665               | 58485                                | 1.9                            | 795               | 4122                                 | 0.0                            | 925               | 2307                                 | 0.0                            |
| 410               | 3449                                 | 0.0                            | 540               | 73435                                | 47.8                           | 670               | 51641                                | 1.1                            | 800               | 2864                                 | 0.0                            | 930               | 2039                                 | 0.0                            |
| 415               | 7117                                 | 0.0                            | 545               | 78677                                | 52.4                           | 675               | 46030                                | 0.8                            | 805               | 3151                                 | 0.0                            | 935               | 1784                                 | 0.0                            |
| 420               | 13992                                | 0.0                            | 550               | 83331                                | 56.6                           | 680               | 40590                                | 0.5                            | 810               | 3022                                 | 0.0                            | 940               | 2464                                 | 0.0                            |
| 425               | 25176                                | 0.1                            | 555               | 89120                                | 60.9                           | 685               | 35691                                | 0.3                            | 815               | 3471                                 | 0.0                            | 945               | 2794                                 | 0.0                            |
| 430               | 38151                                | 0.3                            | 560               | 94613                                | 64.3                           | 690               | 31631                                | 0.2                            | 820               | 2749                                 | 0.0                            | 950               | 3090                                 | 0.0                            |
| 435               | 49673                                | 0.6                            | 565               | 99818                                | 66.4                           | 695               | 27437                                | 0.1                            | 825               | 2729                                 | 0.0                            | 955               | 1866                                 | 0.0                            |
| 440               | 57273                                | 0.9                            | 570               | 106526                               | 69.3                           | 700               | 24589                                | 0.1                            | 830               | 2282                                 | 0.0                            | 960               | 3110                                 | 0.0                            |
| 445               | 54802                                | 1.1                            | 575               | 111610                               | 69.4                           | 705               | 21832                                | 0.0                            | 835               | 3140                                 | 0.0                            | 965               | 3880                                 | 0.0                            |
| 450               | 39184                                | 1.0                            | 580               | 117163                               | 69.6                           | 710               | 19500                                | 0.0                            | 840               | 2365                                 | 0.0                            | 970               | 3243                                 | 0.0                            |
| 455               | 22506                                | 0.8                            | 585               | 122201                               | 67.9                           | 715               | 17870                                | 0.0                            | 845               | 3024                                 | 0.0                            | 975               | 2014                                 | 0.0                            |
| 460               | 13692                                | 0.6                            | 590               | 125662                               | 65.0                           | 720               | 15924                                | 0.0                            | 850               | 2510                                 | 0.0                            | 980               | 1688                                 | 0.0                            |
| 465               | 9446                                 | 0.5                            | 595               | 127415                               | 60.4                           | 725               | 14268                                | 0.0                            | 855               | 2739                                 | 0.0                            | 985               | 2827                                 | 0.0                            |
| 470               | 6698                                 | 0.4                            | 600               | 129155                               | 55.7                           | 730               | 12438                                | 0.0                            | 860               | 3515                                 | 0.0                            | 990               | 4172                                 | 0.0                            |
| 475               | 5328                                 | 0.4                            | 605               | 128057                               | 49.6                           | 735               | 11255                                | 0.0                            | 865               | 3600                                 | 0.0                            | 995               | 3177                                 | 0.0                            |
| 480               | 5081                                 | 0.5                            | 610               | 126031                               | 43.3                           | 740               | 9951                                 | 0.0                            | 870               | 3609                                 | 0.0                            | 1000              | 3241                                 | 0.0                            |
| 485               | 5579                                 | 0.7                            | 615               | 123059                               | 37.1                           | 745               | 8870                                 | 0.0                            | 875               | 3208                                 | 0.0                            |                   |                                      |                                |

REPORT NUMBER: SP1-1908-441-1-R4

**Scotopic Flux vs. Wavelength**



**Scotopic Lumens: 6474.3**

**S/P: 1.04**

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360    | 2044          | 0.0           | 490    | 7179          | 6.0           | 620    | 118034        | 0.1           | 750    | 8362          | 0.0           | 880    | 3128          | 0.0           |
| 365    | 2016          | 0.0           | 495    | 10476         | 8.6           | 625    | 111884        | 0.1           | 755    | 7635          | 0.0           | 885    | 3110          | 0.0           |
| 370    | 2020          | 0.0           | 500    | 15549         | 12.5          | 630    | 106119        | 0.0           | 760    | 6582          | 0.0           | 890    | 2632          | 0.0           |
| 375    | 2137          | 0.0           | 505    | 22477         | 17.3          | 635    | 99706         | 0.0           | 765    | 5777          | 0.0           | 895    | 2709          | 0.0           |
| 380    | 2046          | 0.0           | 510    | 30417         | 21.8          | 640    | 92142         | 0.0           | 770    | 5474          | 0.0           | 900    | 2016          | 0.0           |
| 385    | 1925          | 0.0           | 515    | 39274         | 25.7          | 645    | 84987         | 0.0           | 775    | 4977          | 0.0           | 905    | 1748          | 0.0           |
| 390    | 1893          | 0.0           | 520    | 47282         | 27.5          | 650    | 78016         | 0.0           | 780    | 4723          | 0.0           | 910    | 2046          | 0.0           |
| 395    | 1695          | 0.0           | 525    | 55413         | 28.1          | 655    | 71541         | 0.0           | 785    | 4219          | 0.0           | 915    | 1844          | 0.0           |
| 400    | 1633          | 0.0           | 530    | 62377         | 27.0          | 660    | 64863         | 0.0           | 790    | 3969          | 0.0           | 920    | 2734          | 0.0           |
| 405    | 2065          | 0.0           | 535    | 68520         | 24.7          | 665    | 58485         | 0.0           | 795    | 4122          | 0.0           | 925    | 2307          | 0.0           |
| 410    | 3449          | 0.1           | 540    | 73435         | 21.5          | 670    | 51641         | 0.0           | 800    | 2864          | 0.0           | 930    | 2039          | 0.0           |
| 415    | 7117          | 0.5           | 545    | 78677         | 18.3          | 675    | 46030         | 0.0           | 805    | 3151          | 0.0           | 935    | 1784          | 0.0           |
| 420    | 13992         | 1.6           | 550    | 83331         | 15.0          | 680    | 40590         | 0.0           | 810    | 3022          | 0.0           | 940    | 2464          | 0.0           |
| 425    | 25176         | 3.9           | 555    | 89120         | 12.0          | 685    | 35691         | 0.0           | 815    | 3471          | 0.0           | 945    | 2794          | 0.0           |
| 430    | 38151         | 8.1           | 560    | 94613         | 9.3           | 690    | 31631         | 0.0           | 820    | 2749          | 0.0           | 950    | 3090          | 0.0           |
| 435    | 49673         | 13.3          | 565    | 99818         | 7.0           | 695    | 27437         | 0.0           | 825    | 2729          | 0.0           | 955    | 1866          | 0.0           |
| 440    | 57273         | 19.1          | 570    | 106526        | 5.2           | 700    | 24589         | 0.0           | 830    | 2282          | 0.0           | 960    | 3110          | 0.0           |
| 445    | 54802         | 21.6          | 575    | 111610        | 3.7           | 705    | 21832         | 0.0           | 835    | 3140          | 0.0           | 965    | 3880          | 0.0           |
| 450    | 39184         | 18.1          | 580    | 117163        | 2.6           | 710    | 19500         | 0.0           | 840    | 2365          | 0.0           | 970    | 3243          | 0.0           |
| 455    | 22506         | 11.8          | 585    | 122201        | 1.8           | 715    | 17870         | 0.0           | 845    | 3024          | 0.0           | 975    | 2014          | 0.0           |
| 460    | 13692         | 8.1           | 590    | 125662        | 1.2           | 720    | 15924         | 0.0           | 850    | 2510          | 0.0           | 980    | 1688          | 0.0           |
| 465    | 9446          | 6.2           | 595    | 127415        | 0.8           | 725    | 14268         | 0.0           | 855    | 2739          | 0.0           | 985    | 2827          | 0.0           |
| 470    | 6698          | 4.8           | 600    | 129155        | 0.5           | 730    | 12438         | 0.0           | 860    | 3515          | 0.0           | 990    | 4172          | 0.0           |
| 475    | 5328          | 4.1           | 605    | 128057        | 0.4           | 735    | 11255         | 0.0           | 865    | 3600          | 0.0           | 995    | 3177          | 0.0           |
| 480    | 5081          | 4.1           | 610    | 126031        | 0.2           | 740    | 9951          | 0.0           | 870    | 3609          | 0.0           | 1000   | 3241          | 0.0           |
| 485    | 5579          | 4.6           | 615    | 123059        | 0.1           | 745    | 8870          | 0.0           | 875    | 3208          | 0.0           |        |               |               |

REPORT NUMBER: SP1-1908-441-1-R4

Melanopic Flux vs. Wavelength



Melanopic Lumens: 2145.7 M/P: 0.35

| λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) | λ (nm) | Power (µW/nm) | Lumens (φ/nm) |
|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|--------|---------------|---------------|
| 360    | 2044          | 0.0           | 490    | 7179          | 11.1          | 620    | 118034        | 1.5           | 750    | 8362          | 0.0           | 880    | 3128          | 0.0           |
| 365    | 2016          | 0.0           | 495    | 10476         | 16.9          | 625    | 111884        | 0.9           | 755    | 7635          | 0.0           | 885    | 3110          | 0.0           |
| 370    | 2020          | 0.0           | 500    | 15549         | 26.0          | 630    | 106119        | 0.6           | 760    | 6582          | 0.0           | 890    | 2632          | 0.0           |
| 375    | 2137          | 0.0           | 505    | 22477         | 38.2          | 635    | 99706         | 0.4           | 765    | 5777          | 0.0           | 895    | 2709          | 0.0           |
| 380    | 2046          | 0.0           | 510    | 30417         | 51.6          | 640    | 92142         | 0.2           | 770    | 5474          | 0.0           | 900    | 2016          | 0.0           |
| 385    | 1925          | 0.0           | 515    | 39274         | 65.1          | 645    | 84987         | 0.1           | 775    | 4977          | 0.0           | 905    | 1748          | 0.0           |
| 390    | 1893          | 0.0           | 520    | 47282         | 75.2          | 650    | 78016         | 0.1           | 780    | 4723          | 0.0           | 910    | 2046          | 0.0           |
| 395    | 1695          | 0.0           | 525    | 55413         | 82.9          | 655    | 71541         | 0.1           | 785    | 4219          | 0.0           | 915    | 1844          | 0.0           |
| 400    | 1633          | 0.0           | 530    | 62377         | 86.0          | 660    | 64863         | 0.0           | 790    | 3969          | 0.0           | 920    | 2734          | 0.0           |
| 405    | 2065          | 0.1           | 535    | 68520         | 85.4          | 665    | 58485         | 0.0           | 795    | 4122          | 0.0           | 925    | 2307          | 0.0           |
| 410    | 3449          | 0.2           | 540    | 73435         | 81.1          | 670    | 51641         | 0.0           | 800    | 2864          | 0.0           | 930    | 2039          | 0.0           |
| 415    | 7117          | 0.7           | 545    | 78677         | 75.4          | 675    | 46030         | 0.0           | 805    | 3151          | 0.0           | 935    | 1784          | 0.0           |
| 420    | 13992         | 2.3           | 550    | 83331         | 68.1          | 680    | 40590         | 0.0           | 810    | 3022          | 0.0           | 940    | 2464          | 0.0           |
| 425    | 25176         | 6.2           | 555    | 89120         | 60.9          | 685    | 35691         | 0.0           | 815    | 3471          | 0.0           | 945    | 2794          | 0.0           |
| 430    | 38151         | 13.0          | 560    | 94613         | 52.9          | 690    | 31631         | 0.0           | 820    | 2749          | 0.0           | 950    | 3090          | 0.0           |
| 435    | 49673         | 22.2          | 565    | 99818         | 44.8          | 695    | 27437         | 0.0           | 825    | 2729          | 0.0           | 955    | 1866          | 0.0           |
| 440    | 57273         | 32.0          | 570    | 106526        | 37.6          | 700    | 24589         | 0.0           | 830    | 2282          | 0.0           | 960    | 3110          | 0.0           |
| 445    | 54802         | 36.7          | 575    | 111610        | 30.4          | 705    | 21832         | 0.0           | 835    | 3140          | 0.0           | 965    | 3880          | 0.0           |
| 450    | 39184         | 30.4          | 580    | 117163        | 24.1          | 710    | 19500         | 0.0           | 840    | 2365          | 0.0           | 970    | 3243          | 0.0           |
| 455    | 22506         | 19.7          | 585    | 122201        | 18.7          | 715    | 17870         | 0.0           | 845    | 3024          | 0.0           | 975    | 2014          | 0.0           |
| 460    | 13692         | 13.2          | 590    | 125662        | 14.0          | 720    | 15924         | 0.0           | 850    | 2510          | 0.0           | 980    | 1688          | 0.0           |
| 465    | 9446          | 10.0          | 595    | 127415        | 10.2          | 725    | 14268         | 0.0           | 855    | 2739          | 0.0           | 985    | 2827          | 0.0           |
| 470    | 6698          | 7.7           | 600    | 129155        | 7.3           | 730    | 12438         | 0.0           | 860    | 3515          | 0.0           | 990    | 4172          | 0.0           |
| 475    | 5328          | 6.7           | 605    | 128057        | 5.0           | 735    | 11255         | 0.0           | 865    | 3600          | 0.0           | 995    | 3177          | 0.0           |
| 480    | 5081          | 6.9           | 610    | 126031        | 3.4           | 740    | 9951          | 0.0           | 870    | 3609          | 0.0           | 1000   | 3241          | 0.0           |
| 485    | 5579          | 8.1           | 615    | 123059        | 2.3           | 745    | 8870          | 0.0           | 875    | 3208          | 0.0           |        |               |               |

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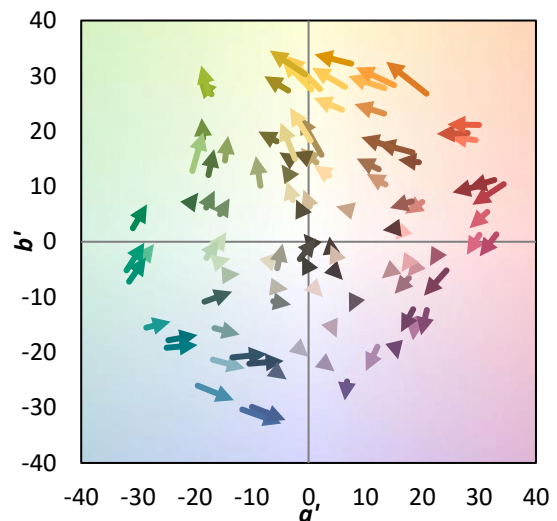
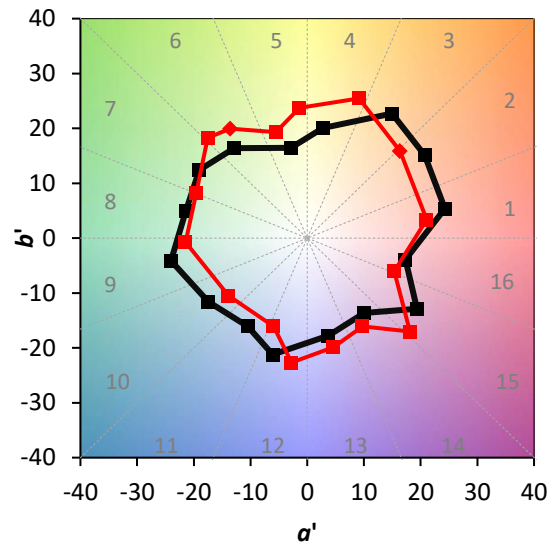
TM-30-18

**Summary**

$R_f = 69.9$   
 $R_g = 98.3$   
 CIE  $R_a = 71.5$   
 $R_g = -16.1$



**Color Vector Graphics**



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

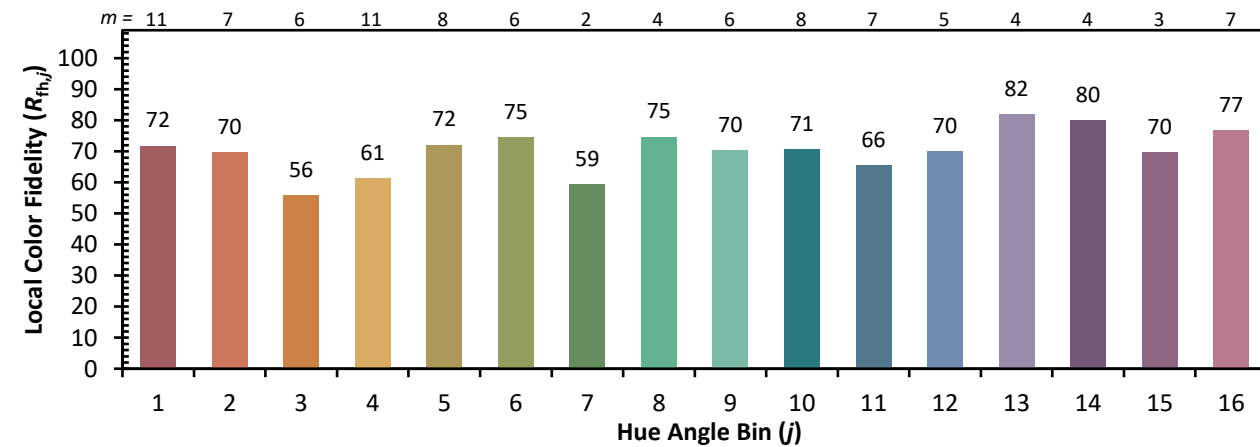
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| CES02 = 63 | CES27 = 74 | CES52 = 80 | CES77 = 75 |
| CES03 = 31 | CES28 = 80 | CES53 = 66 | CES78 = 56 |
| CES04 = 71 | CES29 = 44 | CES54 = 77 | CES79 = 81 |
| CES05 = 50 | CES30 = 46 | CES55 = 74 | CES80 = 80 |
| CES06 = 52 | CES31 = 50 | CES56 = 63 | CES81 = 73 |
| CES07 = 42 | CES32 = 49 | CES57 = 60 | CES82 = 91 |
| CES08 = 41 | CES33 = 53 | CES58 = 63 | CES83 = 84 |
| CES09 = 29 | CES34 = 66 | CES59 = 85 | CES84 = 90 |
| CES10 = 77 | CES35 = 82 | CES60 = 89 | CES85 = 87 |
| CES11 = 60 | CES36 = 78 | CES61 = 85 | CES86 = 65 |
| CES12 = 66 | CES37 = 75 | CES62 = 69 | CES87 = 78 |
| CES13 = 43 | CES38 = 53 | CES63 = 68 | CES88 = 73 |
| CES14 = 74 | CES39 = 91 | CES64 = 68 | CES89 = 68 |
| CES15 = 71 | CES40 = 85 | CES65 = 65 | CES90 = 68 |
| CES16 = 48 | CES41 = 76 | CES66 = 62 | CES91 = 91 |
| CES17 = 50 | CES42 = 76 | CES67 = 60 | CES92 = 71 |
| CES18 = 57 | CES43 = 65 | CES68 = 68 | CES93 = 82 |
| CES19 = 73 | CES44 = 98 | CES69 = 77 | CES94 = 57 |
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| CES22 = 80 | CES47 = 63 | CES72 = 86 | CES97 = 79 |
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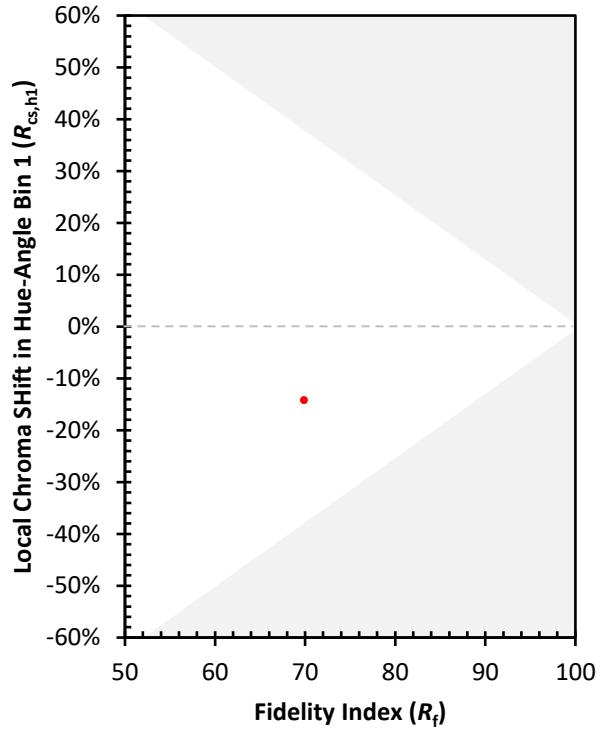
Color Rendition by Hue-Angle Bin



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Measure Comparisons



(END OF REPORT)