

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: STREETWORKS

Report Number: P822604

Luminaire Tested: **PMM-SA1D-840-U-SLR**

Issue Date: 04/10/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P822604  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 04/10/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA1D-840-U-SLR  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (1) 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: 4939.4 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

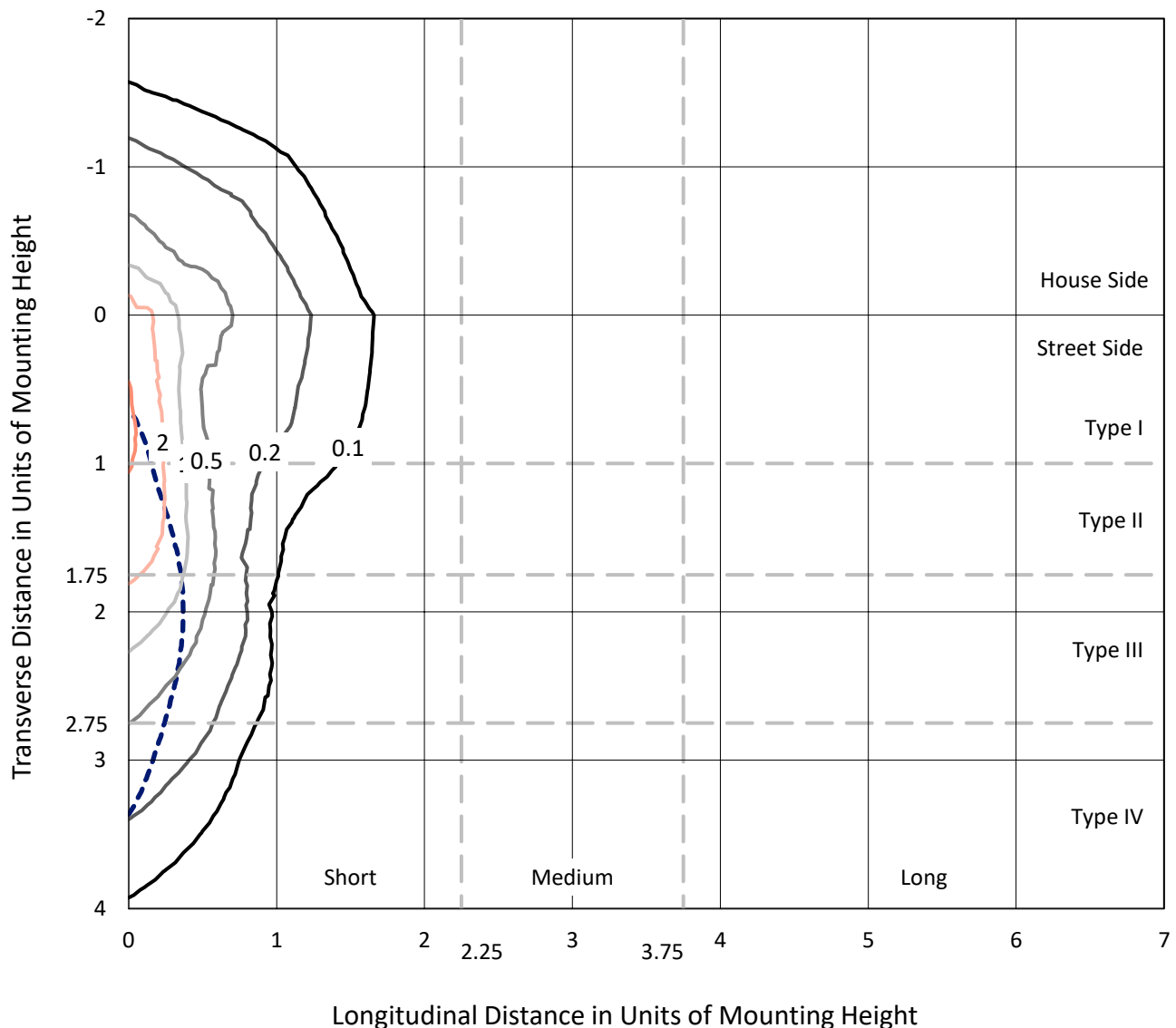
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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## Iso-Footcandle Lines of Horizontal Illumination

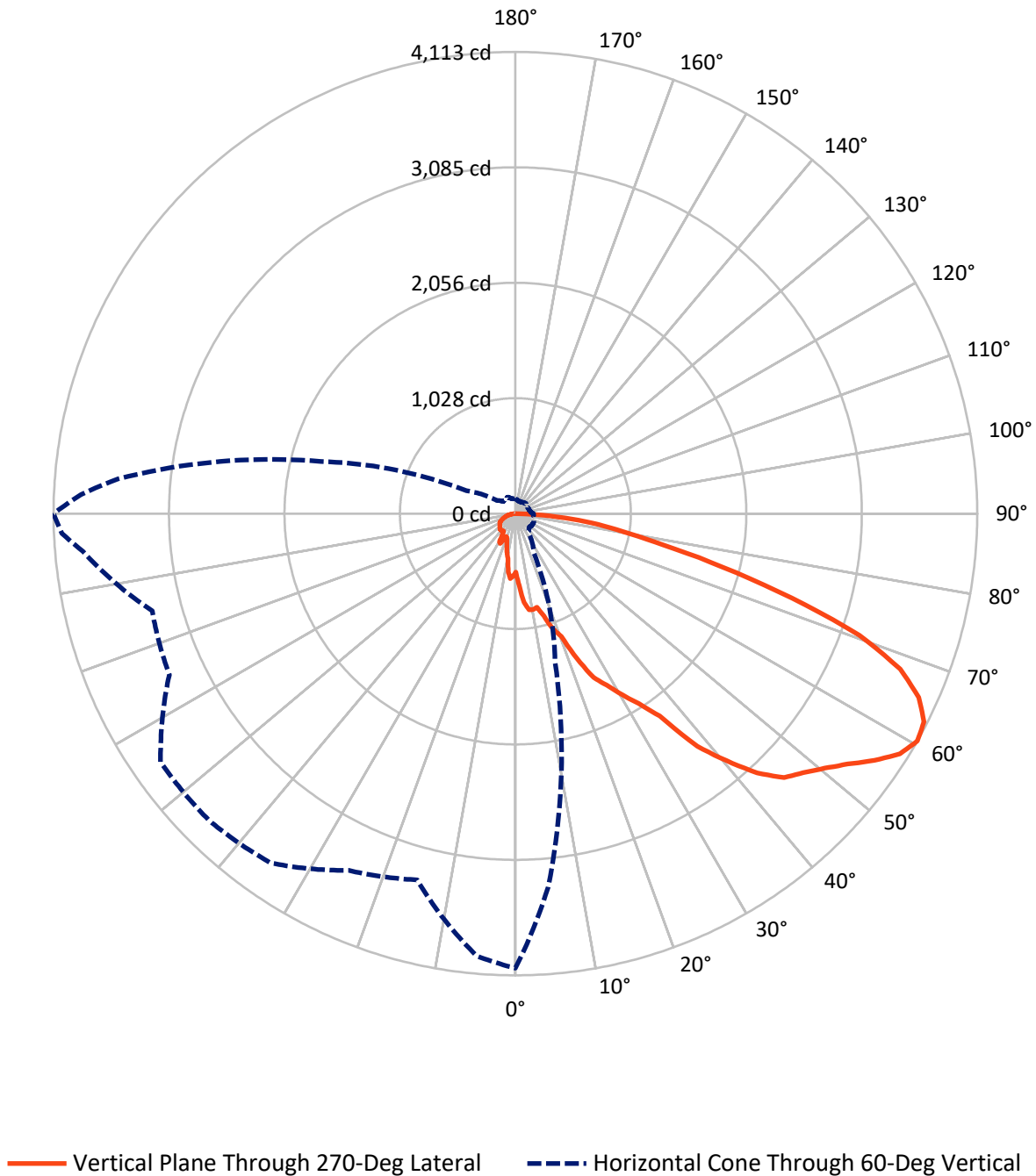
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.8 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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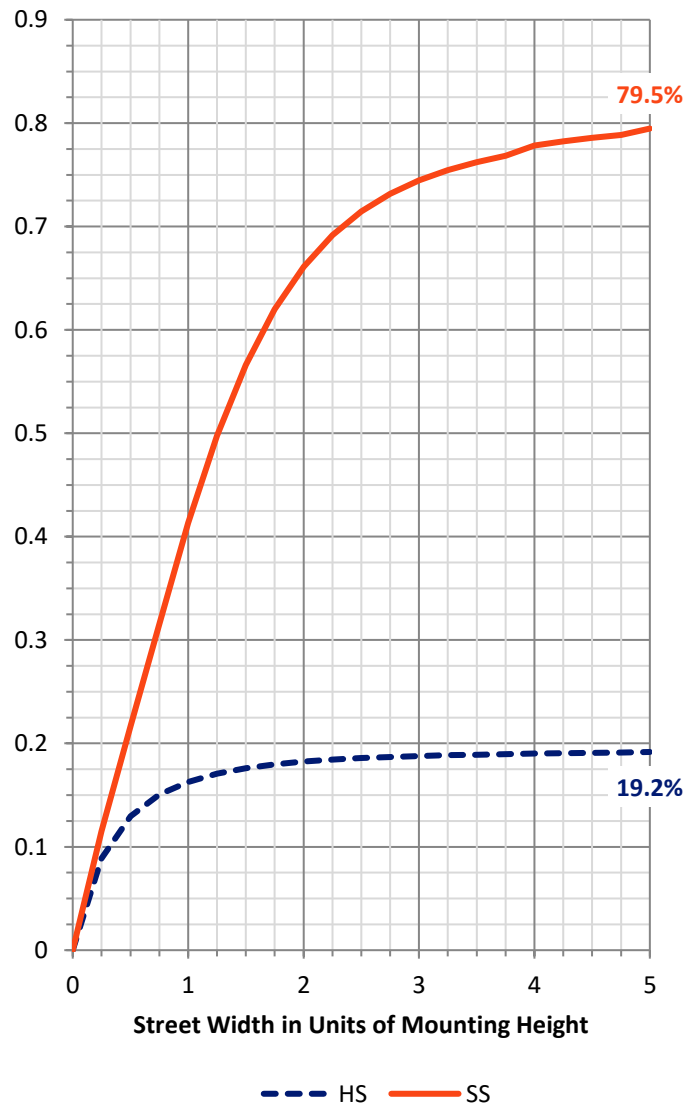
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 956.7    | 0.0    | 956.7  |
|                    | % Fixture | 19.4     | 0.0    | 19.4   |
| <b>Street Side</b> | Lumens    | 3982.8   | 0.0    | 3982.8 |
|                    | % Fixture | 80.6     | 0.0    | 80.6   |
| <b>Total</b>       | Lumens    | 4939.4   | 0.0    | 4939.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 59.7   | 1.2       |
| 10°-20°   | 173.6  | 3.5       |
| 20°-30°   | 306.4  | 6.2       |
| 30°-40°   | 477.2  | 9.7       |
| 40°-50°   | 785.6  | 15.9      |
| 50°-60°   | 1121.3 | 22.7      |
| 60°-70°   | 1189.0 | 24.1      |
| 70°-80°   | 656.7  | 13.3      |
| 80°-90°   | 169.9  | 3.4       |
| 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°    | 4939.4 | 100.0     |
| 0°-180°   | 4939.4 | 100.0     |

**Coefficient of Utilization**



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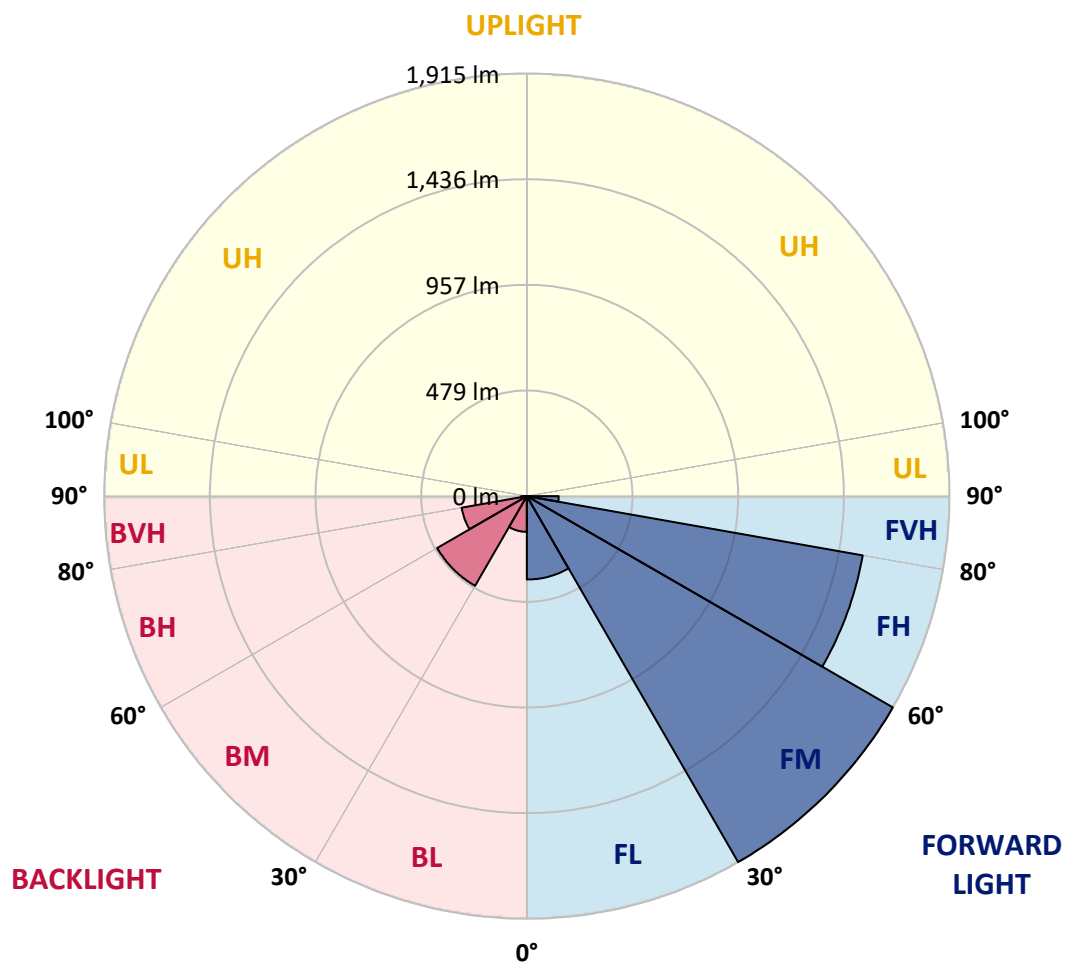
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 377.9  | 7.7       |                         |      |         |
| FM   | (30°-60°)   | 1914.8 | 38.8      |                         |      |         |
| FH   | (60°-80°)   | 1545.6 | 31.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 144.4  | 2.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 161.7  | 3.3       | B1/500                  |      |         |
| BM   | (30°-60°)   | 469.3  | 9.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 300.2  | 6.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 25.5   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 25°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°     | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0 | 521.0 | 521.0 |
| 2.5°   | 697.7  | 702.0  | 706.1  | 697.9  | 689.8  | 681.4  | 673.2  | 661.0  | 648.5 | 636.3 | 623.9 |
| 5°     | 838.0  | 822.1  | 806.1  | 799.6  | 793.3  | 786.8  | 780.4  | 774.4  | 768.4 | 762.2 | 756.2 |
| 7.5°   | 881.9  | 859.3  | 836.5  | 826.9  | 817.4  | 807.5  | 797.9  | 776.3  | 754.7 | 732.9 | 711.3 |
| 10°    | 833.6  | 810.1  | 786.4  | 777.1  | 767.5  | 758.1  | 748.5  | 722.2  | 696.0 | 669.6 | 643.3 |
| 12.5°  | 872.4  | 848.5  | 824.3  | 794.6  | 764.8  | 734.9  | 705.1  | 690.5  | 675.8 | 661.0 | 646.4 |
| 15°    | 909.9  | 877.5  | 844.9  | 815.2  | 785.4  | 755.5  | 725.7  | 696.5  | 667.3 | 638.0 | 608.7 |
| 17.5°  | 1046.5 | 992.6  | 938.6  | 885.0  | 831.0  | 777.2  | 723.3  | 689.5  | 655.5 | 621.7 | 587.6 |
| 20°    | 1213.2 | 1138.1 | 1062.8 | 981.3  | 899.5  | 818.0  | 736.3  | 693.6  | 651.2 | 608.5 | 565.8 |
| 22.5°  | 1411.5 | 1316.7 | 1222.0 | 1119.2 | 1016.3 | 913.2  | 810.4  | 748.5  | 686.7 | 624.5 | 562.7 |
| 25°    | 1569.0 | 1477.8 | 1386.7 | 1256.3 | 1125.9 | 995.5  | 865.0  | 794.8  | 724.5 | 654.1 | 583.8 |
| 27.5°  | 1721.9 | 1576.9 | 1431.5 | 1282.2 | 1133.1 | 983.7  | 834.3  | 769.3  | 704.4 | 639.4 | 574.4 |
| 30°    | 1851.2 | 1736.0 | 1621.0 | 1426.1 | 1231.2 | 1036.0 | 841.1  | 761.2  | 681.4 | 601.6 | 521.7 |
| 32.5°  | 2040.3 | 1876.0 | 1711.6 | 1508.3 | 1305.0 | 1101.7 | 898.3  | 796.2  | 694.1 | 591.9 | 489.8 |
| 35°    | 2261.6 | 2090.9 | 1920.2 | 1668.7 | 1417.4 | 1165.9 | 914.4  | 806.3  | 697.9 | 589.8 | 481.4 |
| 37.5°  | 2674.2 | 2373.3 | 2072.1 | 1797.7 | 1523.1 | 1248.4 | 973.8  | 848.2  | 722.6 | 596.8 | 471.2 |
| 40°    | 2901.7 | 2623.6 | 2345.5 | 2003.4 | 1661.3 | 1318.9 | 976.8  | 848.2  | 719.5 | 591.0 | 462.2 |
| 42.5°  | 3205.0 | 2853.3 | 2501.3 | 2131.4 | 1761.7 | 1391.8 | 1021.9 | 879.4  | 737.0 | 594.3 | 451.9 |
| 45°    | 3389.8 | 2997.9 | 2605.6 | 2210.3 | 1814.9 | 1419.6 | 1024.2 | 879.7  | 735.1 | 590.5 | 445.9 |
| 47.5°  | 3509.0 | 3132.6 | 2756.0 | 2330.4 | 1904.8 | 1479.1 | 1053.5 | 900.0  | 746.4 | 592.9 | 439.2 |
| 50°    | 3621.9 | 3249.2 | 2876.0 | 2434.2 | 1992.6 | 1550.7 | 1108.9 | 941.3  | 773.7 | 605.9 | 438.3 |
| 52.5°  | 3760.5 | 3417.2 | 3073.7 | 2599.6 | 2125.4 | 1651.4 | 1177.2 | 994.7  | 812.3 | 629.8 | 447.4 |
| 55°    | 3962.2 | 3623.9 | 3285.3 | 2776.6 | 2267.6 | 1758.8 | 1249.8 | 1047.3 | 844.9 | 642.3 | 439.7 |
| 57.5°  | 4092.8 | 3749.7 | 3406.7 | 2887.8 | 2369.0 | 1849.9 | 1331.1 | 1106.7 | 882.3 | 657.7 | 433.2 |
| 60°    | 4049.4 | 3695.6 | 3341.4 | 2846.8 | 2352.2 | 1857.6 | 1363.0 | 1120.6 | 878.5 | 636.1 | 393.7 |
| 62.5°  | 3857.6 | 3481.4 | 3105.3 | 2662.2 | 2219.4 | 1776.3 | 1333.2 | 1086.8 | 840.6 | 594.1 | 347.6 |
| 65°    | 3589.5 | 3200.7 | 2811.5 | 2412.0 | 2012.3 | 1612.6 | 1212.9 | 989.2  | 765.3 | 541.6 | 317.7 |
| 67.5°  | 3260.7 | 2855.2 | 2449.5 | 2095.7 | 1741.8 | 1387.7 | 1033.8 | 846.8  | 660.0 | 473.0 | 286.0 |
| 70°    | 2848.0 | 2449.5 | 2051.1 | 1745.0 | 1438.8 | 1132.6 | 826.4  | 685.7  | 545.2 | 404.5 | 263.7 |
| 72.5°  | 2289.2 | 1945.3 | 1601.6 | 1360.6 | 1119.7 | 878.7  | 637.7  | 539.9  | 442.3 | 344.5 | 246.7 |
| 75°    | 1628.2 | 1426.1 | 1223.9 | 1036.5 | 849.0  | 661.2  | 473.8  | 410.4  | 347.1 | 283.9 | 220.6 |
| 77.5°  | 1157.1 | 1037.9 | 918.8  | 771.8  | 624.8  | 477.8  | 330.9  | 293.7  | 256.8 | 219.6 | 182.5 |
| 80°    | 855.4  | 756.0  | 656.4  | 545.7  | 434.9  | 324.2  | 213.4  | 195.2  | 177.2 | 158.9 | 140.8 |
| 82.5°  | 563.2  | 518.3  | 473.3  | 385.6  | 297.8  | 210.1  | 122.3  | 115.5  | 108.8 | 102.2 | 95.4  |
| 85°    | 252.2  | 266.4  | 280.3  | 226.5  | 172.6  | 118.9  | 65.0   | 61.9   | 58.8  | 55.6  | 52.5  |
| 87.5°  | 24.2   | 35.7   | 47.3   | 40.5   | 33.6   | 26.8   | 19.9   | 19.7   | 19.7  | 19.4  | 19.2  |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|--------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 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):**

|        | 27.5° | 30°   | 32.5° | 35°   | 37.5° | 40°   | 42.5° | 45°   | 47.5° | 50°   | 52.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 |
| 2.5°   | 627.2 | 630.6 | 633.9 | 637.2 | 633.7 | 630.1 | 626.2 | 622.6 | 618.1 | 613.5 | 608.7 |
| 5°     | 746.1 | 735.8 | 725.7 | 715.4 | 700.0 | 684.7 | 669.2 | 653.8 | 651.9 | 649.8 | 647.8 |
| 7.5°   | 692.4 | 673.7 | 654.7 | 635.8 | 611.8 | 588.1 | 564.2 | 540.2 | 533.0 | 525.8 | 518.6 |
| 10°    | 630.6 | 617.6 | 604.9 | 591.9 | 577.1 | 562.2 | 547.1 | 532.3 | 512.6 | 492.7 | 473.0 |
| 12.5°  | 625.3 | 604.2 | 582.8 | 561.7 | 552.6 | 543.6 | 534.4 | 525.3 | 508.1 | 490.7 | 473.3 |
| 15°    | 591.7 | 574.4 | 557.4 | 540.2 | 527.0 | 513.8 | 500.6 | 487.4 | 473.5 | 459.4 | 445.4 |
| 17.5°  | 567.9 | 548.4 | 528.7 | 509.0 | 493.9 | 478.8 | 463.4 | 448.4 | 431.5 | 414.6 | 397.7 |
| 20°    | 543.3 | 521.0 | 498.5 | 475.9 | 456.7 | 437.8 | 418.6 | 399.4 | 380.9 | 362.8 | 344.3 |
| 22.5°  | 533.2 | 503.7 | 474.3 | 444.8 | 424.6 | 404.2 | 384.1 | 363.7 | 346.7 | 329.6 | 312.6 |
| 25°    | 548.5 | 513.5 | 478.3 | 443.1 | 416.0 | 388.7 | 361.6 | 334.2 | 320.0 | 305.9 | 291.5 |
| 27.5°  | 530.6 | 486.5 | 442.6 | 398.5 | 369.5 | 340.2 | 311.2 | 282.0 | 279.8 | 277.7 | 275.2 |
| 30°    | 475.4 | 429.2 | 382.9 | 336.6 | 310.0 | 283.1 | 256.6 | 229.6 | 224.7 | 219.4 | 214.3 |
| 32.5°  | 442.6 | 395.4 | 348.1 | 300.9 | 277.2 | 253.2 | 229.5 | 205.4 | 199.7 | 194.0 | 188.2 |
| 35°    | 430.1 | 378.8 | 327.5 | 276.2 | 255.8 | 235.5 | 215.0 | 194.7 | 190.6 | 186.8 | 182.7 |
| 37.5°  | 420.0 | 369.2 | 318.1 | 267.1 | 247.4 | 227.8 | 207.9 | 188.2 | 185.1 | 182.0 | 178.9 |
| 40°    | 410.4 | 358.9 | 307.1 | 255.3 | 237.8 | 220.6 | 203.1 | 185.6 | 183.7 | 181.7 | 179.6 |
| 42.5°  | 401.9 | 351.7 | 301.4 | 251.3 | 235.7 | 220.3 | 204.8 | 189.2 | 187.3 | 185.3 | 183.4 |
| 45°    | 397.0 | 348.1 | 299.2 | 250.3 | 239.1 | 227.8 | 216.3 | 205.0 | 200.5 | 195.8 | 191.1 |
| 47.5°  | 393.5 | 347.6 | 301.9 | 256.1 | 244.3 | 232.6 | 220.8 | 209.0 | 205.0 | 200.9 | 196.6 |
| 50°    | 394.1 | 350.3 | 306.2 | 262.0 | 247.9 | 233.5 | 219.4 | 205.0 | 204.5 | 204.0 | 203.6 |
| 52.5°  | 400.6 | 354.1 | 307.3 | 260.6 | 245.3 | 229.9 | 214.3 | 199.0 | 202.2 | 205.0 | 208.1 |
| 55°    | 391.3 | 342.8 | 294.1 | 245.7 | 231.2 | 216.7 | 202.2 | 187.5 | 191.6 | 195.4 | 199.5 |
| 57.5°  | 380.8 | 328.2 | 275.7 | 223.2 | 212.2 | 201.1 | 189.9 | 178.9 | 183.1 | 187.7 | 192.1 |
| 60°    | 345.7 | 297.8 | 249.8 | 201.9 | 194.4 | 187.0 | 179.6 | 172.1 | 174.1 | 176.0 | 177.9 |
| 62.5°  | 307.3 | 266.8 | 226.5 | 186.0 | 180.3 | 174.3 | 168.5 | 162.5 | 162.5 | 162.8 | 162.8 |
| 65°    | 282.9 | 248.1 | 213.4 | 178.6 | 172.1 | 165.7 | 158.9 | 152.5 | 151.5 | 150.6 | 149.6 |
| 67.5°  | 258.5 | 231.2 | 203.6 | 176.0 | 166.7 | 157.5 | 148.2 | 138.8 | 137.7 | 136.6 | 135.5 |
| 70°    | 239.2 | 214.8 | 190.4 | 165.9 | 155.4 | 145.1 | 134.5 | 123.9 | 123.0 | 122.3 | 121.3 |
| 72.5°  | 223.7 | 200.9 | 177.9 | 154.9 | 143.9 | 132.6 | 121.6 | 110.3 | 109.6 | 108.8 | 107.9 |
| 75°    | 200.2 | 180.0 | 159.7 | 139.3 | 128.5 | 118.0 | 107.1 | 96.4  | 95.4  | 94.7  | 93.8  |
| 77.5°  | 165.7 | 148.7 | 131.9 | 114.9 | 106.5 | 98.3  | 89.9  | 81.5  | 81.1  | 80.6  | 79.8  |
| 80°    | 127.6 | 114.4 | 100.9 | 87.8  | 82.2  | 76.5  | 71.0  | 65.3  | 65.0  | 64.7  | 64.2  |
| 82.5°  | 87.5  | 79.6  | 71.6  | 63.7  | 59.7  | 55.4  | 51.3  | 47.0  | 47.3  | 47.5  | 47.7  |
| 85°    | 49.9  | 47.0  | 44.3  | 41.5  | 38.1  | 35.0  | 31.6  | 28.3  | 29.0  | 29.8  | 30.2  |
| 87.5°  | 18.2  | 17.2  | 16.3  | 15.3  | 13.7  | 12.2  | 10.5  | 8.8   | 9.3   | 10.1  | 10.5  |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 |
| 2.5°   | 604.2 | 597.0 | 589.8 | 582.6 | 575.4 | 560.5 | 545.9 | 531.0 | 516.2 | 525.3 | 534.6 |
| 5°     | 645.6 | 633.4 | 620.9 | 608.7 | 596.3 | 589.3 | 582.3 | 575.4 | 568.4 | 572.1 | 575.8 |
| 7.5°   | 511.4 | 504.2 | 496.8 | 489.6 | 482.2 | 479.1 | 476.1 | 473.0 | 469.9 | 478.8 | 487.6 |
| 10°    | 453.2 | 443.1 | 433.0 | 422.7 | 412.6 | 406.7 | 400.6 | 394.6 | 388.7 | 391.0 | 393.5 |
| 12.5°  | 456.0 | 441.1 | 426.3 | 411.5 | 396.6 | 387.7 | 378.8 | 369.9 | 361.1 | 363.2 | 365.4 |
| 15°    | 431.3 | 416.0 | 400.6 | 385.3 | 369.9 | 359.7 | 349.1 | 338.8 | 328.2 | 324.6 | 320.8 |
| 17.5°  | 380.8 | 363.9 | 347.1 | 330.4 | 313.6 | 306.7 | 299.7 | 292.7 | 285.8 | 282.0 | 278.1 |
| 20°    | 325.8 | 310.2 | 294.7 | 279.1 | 263.5 | 258.7 | 253.9 | 248.8 | 244.0 | 241.7 | 239.1 |
| 22.5°  | 295.6 | 286.0 | 276.2 | 266.6 | 256.8 | 251.3 | 246.0 | 240.5 | 234.9 | 232.3 | 229.5 |
| 25°    | 277.4 | 279.3 | 281.4 | 283.4 | 285.3 | 282.9 | 280.3 | 277.8 | 275.2 | 276.2 | 276.9 |
| 27.5°  | 273.0 | 277.2 | 281.4 | 285.6 | 289.6 | 291.8 | 294.0 | 296.1 | 298.3 | 298.9 | 299.7 |
| 30°    | 209.0 | 211.2 | 213.2 | 215.3 | 217.2 | 223.2 | 229.2 | 234.9 | 240.9 | 250.3 | 259.9 |
| 32.5°  | 182.5 | 181.7 | 181.0 | 180.0 | 179.4 | 180.8 | 182.2 | 183.4 | 184.8 | 188.2 | 191.8 |
| 35°    | 178.6 | 176.9 | 175.0 | 173.3 | 171.5 | 172.1 | 172.9 | 173.6 | 174.3 | 176.9 | 179.6 |
| 37.5°  | 175.7 | 175.0 | 174.6 | 173.8 | 173.1 | 174.7 | 176.3 | 177.9 | 179.4 | 181.5 | 183.7 |
| 40°    | 177.7 | 177.4 | 177.2 | 176.7 | 176.4 | 177.4 | 178.4 | 179.4 | 180.3 | 183.1 | 186.0 |
| 42.5°  | 181.5 | 181.5 | 181.2 | 181.2 | 181.0 | 182.0 | 182.7 | 183.7 | 184.4 | 186.0 | 187.7 |
| 45°    | 186.5 | 186.0 | 185.8 | 185.3 | 184.8 | 184.6 | 184.6 | 184.4 | 184.2 | 185.1 | 186.3 |
| 47.5°  | 192.5 | 190.9 | 189.0 | 187.3 | 185.3 | 184.8 | 184.2 | 183.7 | 182.9 | 183.4 | 183.9 |
| 50°    | 203.1 | 198.5 | 194.2 | 189.6 | 185.1 | 183.9 | 182.7 | 181.5 | 180.3 | 180.0 | 180.0 |
| 52.5°  | 211.0 | 204.3 | 197.5 | 190.9 | 184.2 | 182.0 | 179.8 | 177.7 | 175.5 | 175.0 | 174.7 |
| 55°    | 203.3 | 198.3 | 193.5 | 188.4 | 183.4 | 180.3 | 176.9 | 173.8 | 170.5 | 169.8 | 169.0 |
| 57.5°  | 196.4 | 193.2 | 190.1 | 187.0 | 183.9 | 180.8 | 177.4 | 174.3 | 171.0 | 169.3 | 167.6 |
| 60°    | 179.8 | 179.8 | 180.0 | 180.0 | 180.0 | 176.7 | 173.3 | 169.9 | 166.7 | 165.0 | 163.5 |
| 62.5°  | 162.8 | 165.4 | 167.8 | 170.5 | 172.9 | 168.3 | 163.5 | 158.9 | 154.1 | 153.0 | 152.0 |
| 65°    | 148.7 | 149.3 | 150.4 | 151.0 | 151.8 | 148.2 | 144.6 | 140.9 | 137.4 | 136.6 | 135.7 |
| 67.5°  | 134.3 | 134.0 | 133.8 | 133.3 | 133.0 | 130.9 | 128.5 | 126.4 | 123.9 | 123.0 | 122.0 |
| 70°    | 120.3 | 120.1 | 119.9 | 119.4 | 119.2 | 117.2 | 115.3 | 113.4 | 111.5 | 110.7 | 110.1 |
| 72.5°  | 107.1 | 107.0 | 106.5 | 106.2 | 105.7 | 104.0 | 102.6 | 100.9 | 99.2  | 98.3  | 97.4  |
| 75°    | 92.8  | 92.3  | 91.8  | 91.3  | 90.9  | 89.4  | 88.0  | 86.3  | 84.8  | 83.9  | 82.9  |
| 77.5°  | 79.4  | 78.6  | 78.0  | 76.9  | 76.3  | 75.0  | 73.6  | 72.4  | 71.0  | 69.8  | 68.8  |
| 80°    | 64.0  | 63.6  | 63.1  | 62.3  | 61.9  | 60.6  | 59.5  | 58.0  | 56.8  | 55.4  | 54.2  |
| 82.5°  | 47.9  | 47.7  | 47.3  | 47.0  | 46.5  | 45.3  | 44.1  | 42.9  | 41.7  | 40.3  | 38.8  |
| 85°    | 30.9  | 30.7  | 30.4  | 30.2  | 29.9  | 29.0  | 28.3  | 27.3  | 26.4  | 25.0  | 23.7  |
| 87.5°  | 11.0  | 10.5  | 10.3  | 9.8   | 9.3   | 9.1   | 8.7   | 8.4   | 7.9   | 7.2   | 6.5   |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|--------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100°  | 102.5° | 105°  | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 0°     | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0 | 521.0  | 521.0 | 521.0  |
| 2.5°   | 543.7 | 552.9 | 553.1 | 553.1 | 557.4 | 561.5 | 553.1 | 544.7 | 536.1  | 527.7 | 519.3  |
| 5°     | 579.5 | 583.1 | 582.2 | 580.9 | 575.7 | 570.4 | 564.8 | 559.4 | 553.8  | 548.4 | 548.5  |
| 7.5°   | 496.6 | 505.4 | 512.6 | 519.5 | 512.9 | 506.1 | 502.5 | 498.9 | 495.3  | 491.8 | 491.3  |
| 10°    | 395.6 | 398.0 | 400.9 | 403.5 | 399.4 | 395.1 | 402.3 | 409.5 | 416.4  | 423.6 | 415.7  |
| 12.5°  | 367.6 | 369.7 | 364.7 | 359.4 | 357.7 | 356.0 | 354.4 | 352.4 | 350.7  | 348.8 | 347.9  |
| 15°    | 317.2 | 313.3 | 309.5 | 305.4 | 304.5 | 303.3 | 302.1 | 300.6 | 299.4  | 298.0 | 293.7  |
| 17.5°  | 274.3 | 270.4 | 264.0 | 257.2 | 254.6 | 251.8 | 251.0 | 250.3 | 249.3  | 248.7 | 244.5  |
| 20°    | 236.6 | 234.0 | 232.3 | 230.4 | 227.8 | 225.1 | 222.5 | 219.9 | 217.0  | 214.3 | 210.5  |
| 22.5°  | 226.8 | 223.9 | 221.7 | 219.4 | 218.9 | 218.4 | 213.6 | 208.5 | 203.8  | 198.8 | 196.6  |
| 25°    | 277.8 | 278.6 | 265.4 | 252.0 | 250.8 | 249.6 | 240.9 | 232.1 | 223.4  | 214.6 | 207.1  |
| 27.5°  | 300.2 | 300.9 | 300.4 | 299.9 | 296.1 | 292.0 | 277.4 | 262.5 | 247.9  | 233.0 | 222.5  |
| 30°    | 269.3 | 278.6 | 282.2 | 285.8 | 283.1 | 280.3 | 265.0 | 249.8 | 234.4  | 219.1 | 212.2  |
| 32.5°  | 195.2 | 198.5 | 204.5 | 210.2 | 213.4 | 216.3 | 211.5 | 206.7 | 201.9  | 197.1 | 195.8  |
| 35°    | 182.0 | 184.6 | 185.8 | 187.0 | 185.1 | 183.1 | 179.6 | 176.0 | 172.1  | 168.5 | 167.8  |
| 37.5°  | 185.6 | 187.7 | 190.1 | 192.5 | 187.3 | 181.7 | 177.7 | 173.8 | 169.8  | 165.7 | 162.3  |
| 40°    | 189.0 | 191.8 | 193.2 | 194.7 | 189.4 | 184.2 | 179.1 | 174.3 | 169.3  | 164.2 | 160.9  |
| 42.5°  | 189.4 | 191.1 | 193.7 | 196.4 | 189.0 | 181.2 | 176.7 | 171.9 | 167.3  | 162.5 | 159.2  |
| 45°    | 187.3 | 188.2 | 190.6 | 193.0 | 184.4 | 175.5 | 171.5 | 167.1 | 163.1  | 158.7 | 155.8  |
| 47.5°  | 184.2 | 184.6 | 186.5 | 188.2 | 179.1 | 169.8 | 165.9 | 162.0 | 158.0  | 154.1 | 151.3  |
| 50°    | 179.8 | 179.6 | 181.0 | 182.2 | 172.9 | 163.5 | 159.7 | 156.1 | 152.2  | 148.4 | 146.0  |
| 52.5°  | 174.3 | 173.8 | 175.2 | 176.4 | 166.7 | 156.8 | 153.5 | 150.4 | 147.0  | 143.6 | 141.7  |
| 55°    | 168.1 | 167.3 | 168.5 | 169.8 | 160.2 | 150.4 | 147.4 | 144.3 | 141.4  | 138.3 | 136.6  |
| 57.5°  | 165.7 | 164.0 | 164.7 | 165.4 | 154.6 | 143.9 | 140.9 | 138.1 | 135.2  | 132.4 | 131.2  |
| 60°    | 161.9 | 160.2 | 160.9 | 161.4 | 149.8 | 138.1 | 135.5 | 132.6 | 129.9  | 127.1 | 125.9  |
| 62.5°  | 150.8 | 149.6 | 150.6 | 151.5 | 141.2 | 130.7 | 128.2 | 126.1 | 123.7  | 121.3 | 119.7  |
| 65°    | 135.0 | 134.0 | 136.0 | 137.8 | 129.0 | 120.1 | 118.7 | 117.2 | 115.5  | 114.1 | 112.4  |
| 67.5°  | 121.1 | 120.1 | 122.0 | 123.9 | 117.5 | 111.0 | 109.6 | 108.1 | 106.7  | 105.3 | 104.3  |
| 70°    | 109.3 | 108.6 | 110.3 | 111.9 | 106.5 | 100.9 | 99.5  | 98.3  | 96.9   | 95.4  | 94.7   |
| 72.5°  | 96.1  | 95.2  | 97.4  | 99.2  | 94.7  | 89.9  | 88.7  | 87.3  | 86.1   | 84.6  | 84.2   |
| 75°    | 82.0  | 81.1  | 82.9  | 84.6  | 81.5  | 78.1  | 76.9  | 75.8  | 74.6   | 73.3  | 73.2   |
| 77.5°  | 67.6  | 66.4  | 68.4  | 70.0  | 68.1  | 65.9  | 65.0  | 63.7  | 62.8   | 61.6  | 61.6   |
| 80°    | 52.7  | 51.3  | 52.7  | 54.0  | 53.2  | 52.5  | 51.8  | 50.8  | 50.1   | 49.1  | 49.4   |
| 82.5°  | 37.4  | 36.0  | 36.7  | 37.4  | 37.8  | 38.3  | 38.3  | 38.3  | 38.3   | 38.3  | 38.3   |
| 85°    | 22.3  | 20.9  | 21.1  | 21.4  | 22.0  | 22.8  | 23.0  | 23.3  | 23.5   | 23.7  | 24.0   |
| 87.5°  | 5.7   | 5.0   | 4.5   | 3.9   | 4.5   | 5.0   | 5.5   | 5.7   | 6.2    | 6.5   | 6.5    |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85° | 87.5° | 90° | 92.5° | 95° | 97.5° | 100° | 102.5° | 105° | 107.5° |
|--------|-------|-----|-------|-----|-------|-----|-------|------|--------|------|--------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 132.5° | 135°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 |
| 2.5°   | 510.9 | 502.3  | 493.9 | 499.2  | 504.2 | 509.5  | 514.5 | 514.7  | 514.7 | 515.0  | 515.0 |
| 5°     | 549.0 | 549.3  | 549.5 | 544.5  | 539.7 | 534.6  | 529.6 | 527.0  | 524.3 | 521.4  | 518.8 |
| 7.5°   | 490.5 | 490.1  | 489.3 | 484.5  | 479.7 | 474.9  | 470.1 | 458.6  | 446.9 | 435.4  | 423.6 |
| 10°    | 407.6 | 399.7  | 391.5 | 389.6  | 387.9 | 386.0  | 384.1 | 380.9  | 378.1 | 375.0  | 371.8 |
| 12.5°  | 347.0 | 345.9  | 345.0 | 340.0  | 334.9 | 329.6  | 324.6 | 324.6  | 324.6 | 324.6  | 324.6 |
| 15°    | 289.1 | 284.8  | 280.3 | 277.8  | 275.2 | 272.9  | 270.2 | 269.0  | 267.8 | 266.6  | 265.4 |
| 17.5°  | 240.2 | 236.1  | 231.8 | 231.3  | 230.9 | 230.4  | 229.9 | 228.7  | 227.5 | 226.3  | 225.1 |
| 20°    | 206.7 | 202.8  | 199.0 | 200.5  | 201.9 | 203.1  | 204.5 | 203.3  | 202.2 | 200.6  | 199.5 |
| 22.5°  | 194.2 | 192.1  | 189.6 | 188.4  | 187.3 | 185.8  | 184.6 | 184.6  | 184.8 | 184.8  | 184.8 |
| 25°    | 200.0 | 192.5  | 185.1 | 181.5  | 177.9 | 174.1  | 170.5 | 169.0  | 167.8 | 166.4  | 165.0 |
| 27.5°  | 211.9 | 201.1  | 190.6 | 184.4  | 178.1 | 171.9  | 165.7 | 163.1  | 160.2 | 157.5  | 154.6 |
| 30°    | 205.0 | 198.0  | 190.9 | 183.7  | 176.4 | 169.3  | 162.0 | 158.7  | 155.4 | 151.8  | 148.4 |
| 32.5°  | 194.7 | 193.2  | 192.1 | 185.3  | 178.6 | 171.6  | 165.0 | 163.5  | 162.3 | 160.9  | 159.4 |
| 35°    | 166.8 | 166.2  | 165.2 | 163.5  | 161.9 | 160.2  | 158.5 | 156.6  | 154.6 | 152.7  | 150.8 |
| 37.5°  | 159.2 | 155.8  | 152.5 | 151.8  | 151.0 | 150.4  | 149.6 | 148.9  | 148.2 | 147.2  | 146.5 |
| 40°    | 157.5 | 154.1  | 150.8 | 149.6  | 148.4 | 147.0  | 145.7 | 146.0  | 146.5 | 146.7  | 147.0 |
| 42.5°  | 155.6 | 152.2  | 148.7 | 147.7  | 146.7 | 145.7  | 144.8 | 145.1  | 145.6 | 145.7  | 146.0 |
| 45°    | 153.2 | 150.4  | 147.4 | 145.7  | 144.3 | 142.6  | 140.9 | 142.4  | 143.9 | 145.1  | 146.5 |
| 47.5°  | 148.4 | 145.3  | 142.4 | 141.4  | 140.5 | 139.3  | 138.3 | 139.8  | 141.2 | 142.4  | 143.9 |
| 50°    | 143.4 | 140.9  | 138.3 | 138.1  | 137.8 | 137.4  | 137.2 | 138.1  | 139.1 | 140.0  | 140.9 |
| 52.5°  | 139.5 | 137.7  | 135.5 | 135.5  | 135.2 | 135.2  | 135.0 | 136.0  | 136.9 | 137.7  | 138.6 |
| 55°    | 135.2 | 133.5  | 131.9 | 132.1  | 132.6 | 132.9  | 133.0 | 134.0  | 135.2 | 136.1  | 137.2 |
| 57.5°  | 129.7 | 128.5  | 127.1 | 128.1  | 128.7 | 129.7  | 130.4 | 131.2  | 132.1 | 132.9  | 133.5 |
| 60°    | 124.5 | 123.2  | 121.8 | 122.8  | 123.9 | 124.9  | 125.9 | 126.6  | 127.3 | 128.1  | 128.7 |
| 62.5°  | 118.0 | 116.0  | 114.4 | 115.8  | 117.0 | 118.4  | 119.7 | 120.1  | 120.8 | 121.3  | 121.8 |
| 65°    | 111.0 | 109.3  | 107.6 | 108.6  | 109.6 | 110.3  | 111.3 | 111.9  | 112.7 | 113.4  | 114.1 |
| 67.5°  | 103.1 | 102.2  | 100.9 | 101.7  | 102.3 | 103.1  | 103.9 | 104.0  | 104.0 | 104.3  | 104.3 |
| 70°    | 93.8  | 93.0   | 92.1  | 92.6   | 93.3  | 93.8   | 94.3  | 94.3   | 94.3  | 94.0   | 94.0  |
| 72.5°  | 83.9  | 83.4   | 82.9  | 83.2   | 83.7  | 83.9   | 84.2  | 83.9   | 83.7  | 83.4   | 83.2  |
| 75°    | 72.9  | 72.7   | 72.4  | 72.7   | 73.2  | 73.3   | 73.6  | 73.3   | 72.9  | 72.7   | 72.1  |
| 77.5°  | 61.9  | 61.9   | 61.9  | 61.9   | 62.1  | 62.1   | 62.1  | 61.6   | 61.1  | 60.6   | 60.2  |
| 80°    | 49.6  | 49.9   | 50.1  | 50.1   | 50.1  | 50.1   | 50.1  | 49.6   | 49.1  | 48.4   | 47.9  |
| 82.5°  | 38.3  | 38.3   | 38.3  | 38.3   | 38.6  | 38.6   | 38.6  | 37.4   | 36.4  | 35.2   | 34.1  |
| 85°    | 24.0  | 24.2   | 24.2  | 24.5   | 24.7  | 24.7   | 25.0  | 23.3   | 21.8  | 20.1   | 18.5  |
| 87.5°  | 6.5   | 6.5    | 6.5   | 6.5    | 6.5   | 6.2    | 6.2   | 4.8    | 3.1   | 1.7    | 0.0   |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110° | 112.5° | 115° | 117.5° | 120° | 122.5° | 125° | 127.5° | 130° | 132.5° | 135° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 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):**

|        | 137.5° | 140°  | 142.5° | 145°  | 147.5° | 150°  | 152.5° | 155°  | 157.5° | 160°  | 162.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  |
| 2.5°   | 516.4  | 517.8 | 519.1  | 520.5 | 520.8  | 521.0 | 521.0  | 521.2 | 516.2  | 511.2 | 505.9  |
| 5°     | 522.5  | 525.8 | 529.3  | 532.7 | 532.0  | 531.3 | 530.6  | 529.9 | 528.4  | 527.2 | 525.8  |
| 7.5°   | 421.0  | 418.6 | 416.0  | 413.3 | 415.5  | 417.7 | 419.8  | 422.0 | 422.9  | 423.9 | 424.6  |
| 10°    | 365.9  | 359.9 | 353.9  | 347.9 | 344.5  | 340.9 | 337.5  | 334.0 | 333.5  | 333.2 | 332.7  |
| 12.5°  | 318.4  | 311.9 | 305.7  | 299.2 | 297.3  | 295.2 | 293.2  | 291.0 | 293.0  | 294.9 | 296.6  |
| 15°    | 262.8  | 260.3 | 257.7  | 255.1 | 257.2  | 259.4 | 261.6  | 263.7 | 265.6  | 267.3 | 269.3  |
| 17.5°  | 223.9  | 223.0 | 221.7  | 220.6 | 222.5  | 224.7 | 226.5  | 228.5 | 232.8  | 237.1 | 241.4  |
| 20°    | 198.5  | 197.8 | 196.9  | 195.8 | 195.2  | 194.2 | 193.5  | 192.5 | 198.8  | 204.8 | 211.0  |
| 22.5°  | 183.4  | 182.0 | 180.5  | 179.1 | 179.4  | 179.6 | 179.6  | 179.8 | 184.8  | 190.1 | 195.2  |
| 25°    | 164.5  | 164.0 | 163.5  | 163.1 | 164.5  | 165.9 | 167.1  | 168.5 | 173.1  | 177.7 | 182.0  |
| 27.5°  | 154.9  | 155.1 | 155.4  | 155.6 | 157.5  | 159.7 | 161.6  | 163.5 | 166.7  | 169.8 | 172.9  |
| 30°    | 149.6  | 151.0 | 152.2  | 153.5 | 154.1  | 154.9 | 155.6  | 156.3 | 159.4  | 162.3 | 165.4  |
| 32.5°  | 157.5  | 155.6 | 153.5  | 151.5 | 152.5  | 153.7 | 154.6  | 155.6 | 158.5  | 161.4 | 164.2  |
| 35°    | 150.1  | 149.1 | 148.4  | 147.4 | 148.7  | 149.8 | 150.8  | 152.0 | 154.6  | 157.1 | 159.7  |
| 37.5°  | 146.2  | 146.0 | 145.7  | 145.6 | 146.2  | 147.0 | 147.4  | 148.2 | 150.6  | 153.0 | 155.1  |
| 40°    | 146.0  | 144.8 | 143.9  | 142.6 | 143.4  | 144.1 | 144.6  | 145.3 | 148.2  | 151.0 | 153.9  |
| 42.5°  | 144.6  | 143.1 | 141.4  | 140.0 | 140.8  | 141.7 | 142.4  | 143.1 | 146.2  | 149.1 | 152.2  |
| 45°    | 144.3  | 142.2 | 139.8  | 137.7 | 138.6  | 139.5 | 140.5  | 141.4 | 143.9  | 146.2 | 148.4  |
| 47.5°  | 141.7  | 139.5 | 137.4  | 135.2 | 135.7  | 136.1 | 136.4  | 136.9 | 139.1  | 140.9 | 143.1  |
| 50°    | 139.5  | 137.8 | 136.4  | 134.7 | 134.0  | 133.5 | 132.9  | 132.1 | 133.8  | 135.5 | 137.2  |
| 52.5°  | 136.9  | 135.2 | 133.3  | 131.6 | 130.7  | 129.7 | 128.7  | 127.8 | 129.2  | 130.4 | 131.9  |
| 55°    | 135.2  | 133.0 | 131.2  | 129.0 | 127.8  | 126.6 | 125.4  | 124.2 | 125.1  | 125.9 | 126.8  |
| 57.5°  | 131.6  | 129.7 | 127.6  | 125.6 | 124.2  | 122.8 | 121.1  | 119.7 | 120.1  | 120.6 | 121.1  |
| 60°    | 126.8  | 124.7 | 122.8  | 120.6 | 118.9  | 117.2 | 115.3  | 113.6 | 113.9  | 114.4 | 114.6  |
| 62.5°  | 119.9  | 118.0 | 115.8  | 113.9 | 111.9  | 110.3 | 108.4  | 106.5 | 107.0  | 107.1 | 107.6  |
| 65°    | 112.2  | 110.1 | 108.1  | 106.0 | 104.3  | 102.6 | 100.7  | 99.1  | 99.5   | 100.0 | 100.2  |
| 67.5°  | 102.8  | 101.2 | 99.7   | 98.0  | 96.6   | 94.9  | 93.5   | 91.8  | 92.1   | 92.3  | 92.6   |
| 70°    | 92.8   | 91.3  | 90.1   | 88.7  | 87.5   | 86.3  | 85.1   | 83.9  | 83.9   | 84.2  | 84.2   |
| 72.5°  | 82.0   | 80.8  | 79.6   | 78.4  | 77.2   | 76.3  | 75.0   | 73.8  | 74.3   | 74.8  | 75.0   |
| 75°    | 71.0   | 70.0  | 68.8   | 67.6  | 66.7   | 65.7  | 64.5   | 63.6  | 64.0   | 64.5  | 64.7   |
| 77.5°  | 59.5   | 58.8  | 57.8   | 57.1  | 56.1   | 55.2  | 54.0   | 53.0  | 53.5   | 54.0  | 54.2   |
| 80°    | 47.5   | 47.0  | 46.2   | 45.8  | 44.8   | 43.9  | 42.9   | 42.0  | 42.2   | 42.2  | 42.5   |
| 82.5°  | 34.3   | 34.6  | 34.6   | 34.7  | 34.1   | 33.0  | 32.4   | 31.4  | 31.4   | 31.4  | 31.2   |
| 85°    | 19.2   | 20.1  | 20.9   | 21.6  | 20.9   | 20.1  | 19.4   | 18.7  | 18.5   | 18.5  | 18.2   |
| 87.5°  | 0.8    | 1.2   | 1.9    | 2.4   | 2.2    | 1.9   | 1.4    | 1.2   | 1.4    | 1.7   | 1.7    |
| 90°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 92.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 95°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 97.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 100°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 102.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 105°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 107.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 110°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140° | 142.5° | 145° | 147.5° | 150° | 152.5° | 155° | 157.5° | 160° | 162.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 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):**

|        | 165°  | 167.5° | 170°  | 172.5° | 175°  | 177.5° | 180°  | 182.5° | 185°  | 187.5° | 190°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 |
| 2.5°   | 500.8 | 505.0  | 509.0 | 513.0  | 517.2 | 523.4  | 529.6 | 536.1  | 542.5 | 538.9  | 535.1 |
| 5°     | 524.3 | 526.7  | 529.3 | 531.8  | 534.1 | 541.1  | 547.8 | 556.3  | 564.4 | 563.4  | 562.2 |
| 7.5°   | 425.6 | 428.9  | 432.3 | 435.4  | 438.8 | 449.3  | 459.8 | 468.7  | 477.5 | 476.4  | 474.9 |
| 10°    | 332.3 | 339.2  | 346.5 | 353.4  | 360.3 | 369.0  | 377.4 | 384.8  | 392.2 | 404.7  | 416.9 |
| 12.5°  | 298.5 | 309.3  | 320.0 | 330.9  | 341.7 | 347.9  | 353.9 | 363.4  | 373.0 | 379.8  | 386.7 |
| 15°    | 270.9 | 281.0  | 291.0 | 301.1  | 311.2 | 311.6  | 312.1 | 322.2  | 332.3 | 338.0  | 343.6 |
| 17.5°  | 245.7 | 251.3  | 256.8 | 262.0  | 267.6 | 265.6  | 263.7 | 268.5  | 273.0 | 275.5  | 278.1 |
| 20°    | 217.0 | 220.8  | 224.7 | 228.5  | 232.3 | 234.9  | 237.4 | 240.2  | 242.9 | 240.5  | 237.8 |
| 22.5°  | 200.2 | 205.9  | 211.9 | 217.7  | 223.4 | 225.1  | 226.5 | 224.9  | 223.2 | 222.5  | 221.7 |
| 25°    | 186.5 | 193.5  | 200.6 | 207.6  | 214.6 | 218.0  | 221.3 | 222.8  | 223.9 | 221.3  | 218.6 |
| 27.5°  | 176.0 | 184.4  | 192.5 | 200.9  | 209.0 | 215.0  | 221.1 | 222.8  | 224.2 | 222.2  | 220.1 |
| 30°    | 168.3 | 177.4  | 186.5 | 195.7  | 204.8 | 213.8  | 222.8 | 230.7  | 238.3 | 237.6  | 236.9 |
| 32.5°  | 167.1 | 173.3  | 179.6 | 185.8  | 192.1 | 197.8  | 203.3 | 203.8  | 204.0 | 202.2  | 200.0 |
| 35°    | 162.0 | 166.2  | 170.2 | 174.3  | 178.4 | 182.0  | 185.3 | 184.8  | 184.4 | 182.5  | 180.5 |
| 37.5°  | 157.5 | 161.6  | 165.9 | 169.9  | 174.1 | 180.3  | 186.3 | 185.1  | 183.7 | 181.7  | 179.8 |
| 40°    | 156.8 | 161.4  | 165.9 | 170.2  | 174.7 | 180.5  | 186.3 | 185.1  | 183.9 | 181.5  | 179.1 |
| 42.5°  | 155.1 | 159.7  | 164.0 | 168.5  | 172.9 | 179.8  | 186.5 | 184.4  | 182.0 | 180.0  | 178.1 |
| 45°    | 150.8 | 154.9  | 158.9 | 163.1  | 167.1 | 174.6  | 182.0 | 179.4  | 176.7 | 176.0  | 175.0 |
| 47.5°  | 145.1 | 149.1  | 153.2 | 157.2  | 161.4 | 168.8  | 176.0 | 173.8  | 171.5 | 171.2  | 170.7 |
| 50°    | 138.8 | 142.6  | 146.7 | 150.6  | 154.4 | 161.9  | 169.0 | 167.1  | 165.2 | 165.4  | 165.4 |
| 52.5°  | 133.0 | 136.6  | 140.0 | 143.6  | 147.0 | 154.4  | 161.6 | 160.2  | 158.5 | 158.9  | 159.2 |
| 55°    | 127.6 | 130.4  | 133.3 | 136.1  | 139.1 | 146.2  | 153.5 | 151.3  | 149.1 | 149.8  | 150.6 |
| 57.5°  | 121.6 | 123.9  | 126.4 | 128.5  | 130.9 | 138.1  | 145.1 | 142.6  | 140.0 | 141.2  | 142.2 |
| 60°    | 114.9 | 117.0  | 119.2 | 121.1  | 123.2 | 129.7  | 136.0 | 133.8  | 131.3 | 133.0  | 134.5 |
| 62.5°  | 107.9 | 109.6  | 111.3 | 112.9  | 114.6 | 120.6  | 126.6 | 124.9  | 123.2 | 125.1  | 126.8 |
| 65°    | 100.7 | 101.9  | 103.3 | 104.5  | 105.7 | 111.5  | 117.0 | 115.8  | 114.6 | 116.3  | 118.0 |
| 67.5°  | 92.8  | 93.8   | 94.9  | 95.9   | 96.9  | 102.2  | 107.4 | 106.2  | 104.8 | 106.2  | 107.4 |
| 70°    | 84.2  | 85.1   | 85.9  | 86.8   | 87.5  | 92.3   | 97.1  | 95.4   | 93.5  | 94.9   | 96.1  |
| 72.5°  | 75.5  | 76.0   | 76.7  | 77.2   | 77.7  | 81.3   | 84.8  | 83.4   | 82.0  | 83.4   | 84.6  |
| 75°    | 65.3  | 65.7   | 66.2  | 66.7   | 67.1  | 70.2   | 73.2  | 71.5   | 69.5  | 71.0   | 72.4  |
| 77.5°  | 54.7  | 54.9   | 55.4  | 55.6   | 55.8  | 58.0   | 60.0  | 58.3   | 56.3  | 58.0   | 59.7  |
| 80°    | 42.5  | 42.7   | 42.9  | 42.9   | 43.1  | 43.9   | 44.6  | 43.4   | 42.0  | 44.1   | 46.2  |
| 82.5°  | 31.2  | 30.9   | 30.9  | 30.7   | 30.4  | 30.4   | 30.2  | 29.5   | 28.5  | 30.4   | 32.4  |
| 85°    | 18.0  | 17.7   | 17.2  | 17.0   | 16.6  | 15.8   | 15.1  | 14.9   | 14.6  | 16.3   | 18.0  |
| 87.5°  | 1.9   | 1.7    | 1.2   | 0.9    | 0.5   | 0.3    | 0.0   | 0.0    | 0.0   | 0.9    | 2.2   |
| 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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**CANDELA DISTRIBUTION (continued):**

|        | 165° | 167.5° | 170° | 172.5° | 175° | 177.5° | 180° | 182.5° | 185° | 187.5° | 190° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195°  | 197.5° | 200°  | 202.5° | 205°  | 207.5° | 210°  | 212.5° | 215°  | 217.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  |
| 2.5°   | 531.5  | 527.7 | 524.1  | 520.5 | 516.9  | 513.3 | 520.0  | 526.7 | 533.5  | 540.2 | 546.2  |
| 5°     | 561.3  | 560.0 | 556.9  | 554.1 | 551.0  | 547.8 | 549.5  | 551.5 | 553.1  | 554.8 | 558.4  |
| 7.5°   | 473.8  | 472.3 | 479.1  | 485.5 | 492.2  | 498.7 | 500.3  | 501.8 | 503.4  | 505.0 | 504.0  |
| 10°    | 429.4  | 441.6 | 444.8  | 447.6 | 450.7  | 453.6 | 458.4  | 463.2 | 467.8  | 472.6 | 475.2  |
| 12.5°  | 393.5  | 400.2 | 411.2  | 422.5 | 433.5  | 444.5 | 451.7  | 458.9 | 466.1  | 473.3 | 488.1  |
| 15°    | 349.3  | 354.9 | 363.2  | 371.6 | 380.0  | 388.4 | 398.7  | 409.3 | 419.6  | 429.9 | 446.2  |
| 17.5°  | 280.5  | 282.9 | 289.1  | 295.4 | 301.4  | 307.6 | 321.5  | 335.2 | 349.1  | 362.8 | 381.4  |
| 20°    | 235.5  | 232.8 | 232.8  | 233.0 | 233.0  | 233.0 | 247.0  | 260.6 | 274.6  | 288.2 | 312.9  |
| 22.5°  | 220.8  | 220.1 | 217.5  | 214.6 | 211.9  | 209.0 | 216.3  | 223.7 | 230.9  | 238.1 | 258.2  |
| 25°    | 215.8  | 213.2 | 209.8  | 206.4 | 203.1  | 199.7 | 204.3  | 208.8 | 213.4  | 218.0 | 233.8  |
| 27.5°  | 218.2  | 216.0 | 217.7  | 219.1 | 220.8  | 222.2 | 223.7  | 225.1 | 226.5  | 228.0 | 233.5  |
| 30°    | 236.1  | 235.5 | 238.1  | 240.5 | 243.1  | 245.5 | 242.2  | 239.1 | 235.7  | 232.3 | 234.3  |
| 32.5°  | 198.0  | 195.8 | 194.9  | 194.0 | 193.0  | 192.1 | 191.8  | 191.6 | 191.1  | 190.9 | 195.2  |
| 35°    | 178.6  | 176.7 | 175.2  | 173.8 | 172.1  | 170.7 | 171.5  | 171.9 | 172.6  | 173.1 | 177.9  |
| 37.5°  | 177.9  | 176.0 | 174.3  | 172.6 | 170.7  | 169.0 | 169.8  | 170.7 | 171.5  | 172.1 | 175.7  |
| 40°    | 176.7  | 174.3 | 173.3  | 172.4 | 171.5  | 170.5 | 171.0  | 171.5 | 171.6  | 172.1 | 174.7  |
| 42.5°  | 176.0  | 174.1 | 173.6  | 173.1 | 172.6  | 172.1 | 172.6  | 173.1 | 173.3  | 173.8 | 176.9  |
| 45°    | 174.3  | 173.3 | 173.8  | 174.3 | 174.7  | 175.2 | 175.2  | 175.2 | 175.2  | 175.2 | 178.6  |
| 47.5°  | 170.5  | 169.9 | 171.5  | 172.9 | 174.3  | 175.7 | 178.1  | 180.5 | 182.7  | 185.1 | 185.8  |
| 50°    | 165.7  | 165.7 | 168.1  | 170.5 | 172.6  | 175.0 | 180.8  | 186.3 | 192.1  | 197.5 | 194.0  |
| 52.5°  | 159.7  | 159.9 | 163.5  | 166.8 | 170.5  | 173.8 | 179.1  | 184.4 | 189.4  | 194.7 | 189.4  |
| 55°    | 151.0  | 151.8 | 156.3  | 160.6 | 165.2  | 169.5 | 173.6  | 177.7 | 181.7  | 185.8 | 180.3  |
| 57.5°  | 143.4  | 144.3 | 149.1  | 153.7 | 158.5  | 163.1 | 165.4  | 168.1 | 170.5  | 172.9 | 169.3  |
| 60°    | 136.1  | 137.7 | 143.9  | 150.1 | 156.1  | 162.3 | 160.4  | 158.5 | 156.3  | 154.4 | 154.1  |
| 62.5°  | 128.7  | 130.4 | 136.1  | 141.9 | 147.4  | 153.2 | 150.4  | 147.4 | 144.3  | 141.4 | 142.6  |
| 65°    | 119.4  | 121.1 | 123.7  | 126.4 | 128.7  | 131.3 | 131.2  | 131.2 | 130.9  | 130.7 | 133.0  |
| 67.5°  | 108.8  | 110.1 | 111.8  | 113.2 | 114.9  | 116.3 | 117.2  | 118.4 | 119.4  | 120.3 | 123.2  |
| 70°    | 97.5   | 98.8  | 100.5  | 101.9 | 103.6  | 105.0 | 106.2  | 107.4 | 108.4  | 109.6 | 112.4  |
| 72.5°  | 86.1   | 87.3  | 89.0   | 90.6  | 92.1   | 93.8  | 94.7   | 95.7  | 96.4   | 97.4  | 99.7   |
| 75°    | 73.8   | 75.3  | 76.9   | 78.4  | 80.1   | 81.5  | 82.2   | 82.9  | 83.7   | 84.4  | 86.5   |
| 77.5°  | 61.4   | 63.1  | 64.7   | 66.4  | 68.1   | 69.8  | 70.0   | 70.2  | 70.5   | 70.7  | 72.7   |
| 80°    | 48.2   | 50.4  | 52.1   | 53.7  | 55.4   | 57.1  | 57.1   | 57.1  | 57.1   | 57.1  | 58.0   |
| 82.5°  | 34.3   | 36.2  | 38.1   | 39.8  | 41.7   | 43.4  | 43.4   | 43.1  | 43.1   | 42.9  | 42.9   |
| 85°    | 19.7   | 21.4  | 22.5   | 24.0  | 25.1   | 26.4  | 26.4   | 26.4  | 26.2   | 26.2  | 25.6   |
| 87.5°  | 3.1    | 4.0   | 4.5    | 5.3   | 5.7    | 6.2   | 6.0    | 6.0   | 5.7    | 5.5   | 4.8    |
| 90°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 92.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 95°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 97.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 100°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 102.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 105°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 107.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 110°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



REPORT NUMBER: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195° | 197.5° | 200° | 202.5° | 205° | 207.5° | 210° | 212.5° | 215° | 217.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 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):**

|        | 220°  | 222.5° | 225°  | 227.5° | 230°  | 232.5° | 235°  | 237.5° | 240°  | 242.5° | 245°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 | 521.0  | 521.0 |
| 2.5°   | 552.1 | 558.1  | 564.2 | 563.2  | 562.2 | 561.3  | 560.3 | 563.9  | 567.3 | 570.9  | 574.2 |
| 5°     | 561.7 | 565.3  | 568.7 | 571.3  | 574.0 | 576.6  | 579.2 | 591.5  | 603.4 | 615.7  | 627.6 |
| 7.5°   | 503.0 | 501.8  | 500.8 | 512.1  | 523.6 | 534.9  | 546.2 | 561.7  | 577.4 | 592.9  | 608.5 |
| 10°    | 477.8 | 480.5  | 483.1 | 487.6  | 492.4 | 497.0  | 501.6 | 516.9  | 532.3 | 547.6  | 562.9 |
| 12.5°  | 502.8 | 517.7  | 532.3 | 535.8  | 539.7 | 543.3  | 546.8 | 550.0  | 553.1 | 556.0  | 559.1 |
| 15°    | 462.5 | 478.8  | 495.1 | 504.5  | 513.8 | 522.9  | 532.3 | 555.8  | 579.0 | 602.5  | 625.7 |
| 17.5°  | 399.9 | 418.6  | 437.1 | 460.1  | 483.1 | 506.1  | 529.1 | 550.7  | 572.3 | 593.6  | 615.2 |
| 20°    | 337.5 | 362.0  | 386.7 | 411.9  | 436.8 | 462.0  | 487.0 | 508.1  | 529.1 | 550.0  | 571.1 |
| 22.5°  | 278.1 | 298.3  | 318.1 | 348.8  | 379.3 | 409.9  | 440.5 | 479.7  | 518.8 | 558.1  | 597.2 |
| 25°    | 249.3 | 265.1  | 280.8 | 312.4  | 344.0 | 375.5  | 407.1 | 458.2  | 509.0 | 560.0  | 610.9 |
| 27.5°  | 239.2 | 244.8  | 250.3 | 279.1  | 307.6 | 336.4  | 364.9 | 420.0  | 475.2 | 530.1  | 585.3 |
| 30°    | 236.1 | 238.1  | 240.0 | 262.5  | 285.1 | 307.6  | 330.1 | 384.5  | 439.2 | 493.7  | 548.1 |
| 32.5°  | 199.2 | 203.6  | 207.6 | 229.6  | 251.5 | 273.5  | 295.4 | 350.3  | 405.0 | 459.8  | 514.5 |
| 35°    | 182.7 | 187.5  | 192.3 | 213.8  | 235.5 | 256.8  | 278.3 | 336.1  | 394.1 | 451.9  | 509.8 |
| 37.5°  | 179.4 | 182.9  | 186.5 | 211.0  | 235.5 | 259.9  | 284.3 | 342.8  | 401.4 | 459.8  | 518.3 |
| 40°    | 177.7 | 180.3  | 182.9 | 206.7  | 230.7 | 254.4  | 278.1 | 339.5  | 400.6 | 462.0  | 523.1 |
| 42.5°  | 179.8 | 182.9  | 185.8 | 207.4  | 228.7 | 250.3  | 271.6 | 335.2  | 398.5 | 462.0  | 525.3 |
| 45°    | 181.7 | 185.1  | 188.2 | 208.4  | 228.5 | 248.7  | 268.8 | 336.6  | 404.2 | 472.1  | 539.7 |
| 47.5°  | 186.3 | 187.0  | 187.5 | 205.0  | 222.2 | 239.7  | 257.0 | 326.1  | 395.1 | 463.9  | 533.0 |
| 50°    | 190.1 | 186.5  | 182.7 | 200.9  | 218.9 | 237.1  | 255.1 | 320.6  | 386.0 | 451.2  | 516.6 |
| 52.5°  | 184.2 | 178.6  | 173.3 | 193.0  | 212.7 | 232.1  | 251.8 | 317.2  | 382.9 | 448.4  | 513.8 |
| 55°    | 175.0 | 169.5  | 164.0 | 183.9  | 203.8 | 223.7  | 243.6 | 308.8  | 374.3 | 439.5  | 504.7 |
| 57.5°  | 165.9 | 162.3  | 158.7 | 175.0  | 191.6 | 207.9  | 224.2 | 294.9  | 365.4 | 436.1  | 506.6 |
| 60°    | 153.9 | 153.5  | 153.2 | 165.9  | 178.9 | 191.6  | 204.3 | 273.5  | 342.6 | 411.9  | 480.9 |
| 62.5°  | 143.6 | 144.8  | 145.7 | 156.1  | 166.4 | 176.4  | 186.8 | 253.7  | 320.8 | 387.7  | 454.6 |
| 65°    | 135.7 | 138.1  | 140.5 | 152.2  | 164.0 | 175.5  | 187.3 | 243.4  | 299.4 | 355.5  | 411.6 |
| 67.5°  | 126.1 | 129.0  | 131.9 | 147.2  | 162.5 | 177.9  | 193.2 | 239.5  | 285.8 | 332.1  | 378.3 |
| 70°    | 115.1 | 118.0  | 120.6 | 140.3  | 159.7 | 179.4  | 198.8 | 239.7  | 281.0 | 322.0  | 363.0 |
| 72.5°  | 102.2 | 104.5  | 107.0 | 128.1  | 149.1 | 170.2  | 191.3 | 226.1  | 260.8 | 295.4  | 330.1 |
| 75°    | 89.0  | 91.1   | 93.3  | 111.5  | 129.7 | 147.9  | 166.2 | 193.0  | 219.6 | 246.5  | 273.0 |
| 77.5°  | 74.3  | 76.3   | 78.0  | 90.1   | 102.3 | 114.6  | 126.8 | 147.4  | 167.8 | 188.4  | 208.8 |
| 80°    | 58.9  | 60.0   | 60.9  | 68.1   | 75.0  | 82.2   | 89.2  | 102.8  | 116.5 | 129.9  | 143.6 |
| 82.5°  | 43.1  | 43.1   | 43.1  | 47.7   | 52.5  | 57.1   | 61.6  | 68.5   | 75.3  | 82.2   | 89.0  |
| 85°    | 25.1  | 24.5   | 24.0  | 27.1   | 30.2  | 33.3   | 36.4  | 39.4   | 42.2  | 45.1   | 47.9  |
| 87.5°  | 4.0   | 3.1    | 2.4   | 4.3    | 6.2   | 8.2    | 10.1  | 11.0   | 12.2  | 13.2   | 14.1  |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 220° | 222.5° | 225° | 227.5° | 230° | 232.5° | 235° | 237.5° | 240° | 242.5° | 245° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°   | 252.5° | 255°   | 257.5° | 260°   | 262.5° | 265°   | 267.5° | 270°   | 272.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  |
| 2.5°   | 566.1  | 558.1  | 550.0  | 541.9  | 553.8  | 565.8  | 577.8  | 589.8  | 621.7  | 640.6  | 641.9  |
| 5°     | 637.7  | 647.8  | 657.9  | 667.9  | 678.0  | 688.1  | 697.9  | 708.0  | 759.8  | 791.6  | 797.7  |
| 7.5°   | 625.0  | 641.9  | 658.3  | 674.9  | 703.4  | 732.0  | 760.5  | 789.0  | 832.9  | 864.5  | 885.4  |
| 10°    | 583.6  | 604.2  | 624.8  | 645.4  | 679.2  | 713.3  | 747.1  | 780.9  | 827.4  | 869.1  | 889.0  |
| 12.5°  | 591.9  | 624.8  | 657.4  | 690.2  | 719.5  | 749.0  | 778.3  | 807.5  | 839.6  | 855.4  | 891.6  |
| 15°    | 648.5  | 671.3  | 694.1  | 716.9  | 761.0  | 804.8  | 849.0  | 892.9  | 911.0  | 947.3  | 979.9  |
| 17.5°  | 657.2  | 698.9  | 740.8  | 782.5  | 836.5  | 890.4  | 944.4  | 998.3  | 1032.1 | 1078.9 | 1118.2 |
| 20°    | 630.3  | 689.3  | 748.5  | 807.5  | 877.0  | 946.8  | 1016.3 | 1085.9 | 1128.7 | 1168.1 | 1229.0 |
| 22.5°  | 662.5  | 727.6  | 792.6  | 857.8  | 950.1  | 1042.2 | 1134.5 | 1226.5 | 1316.3 | 1404.0 | 1445.3 |
| 25°    | 697.9  | 785.2  | 872.2  | 959.2  | 1074.6 | 1189.6 | 1305.0 | 1420.0 | 1535.4 | 1617.6 | 1665.1 |
| 27.5°  | 673.0  | 760.5  | 848.2  | 935.8  | 1078.4 | 1221.3 | 1363.9 | 1506.6 | 1630.1 | 1729.1 | 1769.8 |
| 30°    | 655.5  | 762.9  | 870.3  | 977.7  | 1145.1 | 1312.4 | 1479.7 | 1647.1 | 1761.3 | 1871.8 | 1931.7 |
| 32.5°  | 652.4  | 790.2  | 927.8  | 1065.7 | 1260.6 | 1455.3 | 1650.2 | 1844.9 | 1920.7 | 2018.7 | 2099.5 |
| 35°    | 661.0  | 812.6  | 963.8  | 1115.1 | 1338.5 | 1562.0 | 1785.2 | 2008.7 | 2116.3 | 2213.4 | 2284.1 |
| 37.5°  | 687.4  | 856.4  | 1025.1 | 1194.2 | 1463.4 | 1732.9 | 2002.2 | 2271.4 | 2452.0 | 2629.6 | 2661.3 |
| 40°    | 702.2  | 881.6  | 1060.6 | 1239.7 | 1552.9 | 1866.0 | 2179.1 | 2492.3 | 2699.9 | 2894.8 | 2908.0 |
| 42.5°  | 719.7  | 914.1  | 1108.4 | 1302.8 | 1650.0 | 1997.4 | 2344.5 | 2691.7 | 2948.7 | 3158.3 | 3164.5 |
| 45°    | 739.9  | 939.8  | 1140.0 | 1340.0 | 1702.5 | 2064.7 | 2427.3 | 2789.5 | 3100.2 | 3354.9 | 3292.8 |
| 47.5°  | 747.8  | 962.8  | 1177.7 | 1392.4 | 1778.9 | 2165.2 | 2551.7 | 2937.9 | 3216.8 | 3448.4 | 3388.9 |
| 50°    | 750.9  | 985.4  | 1219.6 | 1453.8 | 1854.3 | 2254.9 | 2655.2 | 3055.7 | 3339.3 | 3565.2 | 3474.0 |
| 52.5°  | 770.3  | 1026.8 | 1283.4 | 1539.9 | 1957.1 | 2374.3 | 2791.5 | 3208.6 | 3487.7 | 3704.7 | 3591.5 |
| 55°    | 796.5  | 1088.2 | 1379.7 | 1671.5 | 2103.3 | 2534.9 | 2966.7 | 3398.2 | 3678.3 | 3880.2 | 3739.9 |
| 57.5°  | 820.6  | 1135.0 | 1449.0 | 1763.1 | 2210.6 | 2658.2 | 3105.5 | 3552.9 | 3836.5 | 4036.2 | 3900.3 |
| 60°    | 808.9  | 1136.9 | 1464.8 | 1792.9 | 2232.6 | 2672.0 | 3111.8 | 3551.2 | 3873.2 | 4112.8 | 4043.2 |
| 62.5°  | 773.5  | 1092.3 | 1410.9 | 1729.8 | 2147.2 | 2564.4 | 2981.8 | 3399.0 | 3775.9 | 4083.0 | 4079.9 |
| 65°    | 705.1  | 998.6  | 1291.8 | 1585.3 | 1971.5 | 2358.0 | 2744.2 | 3130.4 | 3574.7 | 3947.8 | 3972.0 |
| 67.5°  | 621.9  | 865.5  | 1109.1 | 1352.7 | 1716.4 | 2080.1 | 2443.8 | 2807.5 | 3282.5 | 3694.1 | 3714.9 |
| 70°    | 541.4  | 720.0  | 898.3  | 1076.7 | 1396.1 | 1715.4 | 2034.6 | 2353.9 | 2833.7 | 3250.1 | 3269.3 |
| 72.5°  | 446.9  | 563.7  | 680.2  | 796.9  | 1055.7 | 1314.3 | 1572.8 | 1831.5 | 2252.7 | 2573.0 | 2681.1 |
| 75°    | 342.3  | 411.6  | 480.9  | 550.2  | 759.5  | 968.8  | 1177.9 | 1387.2 | 1667.3 | 1903.6 | 2025.4 |
| 77.5°  | 244.8  | 280.8  | 316.7  | 352.7  | 530.6  | 708.5  | 886.1  | 1064.0 | 1211.2 | 1345.3 | 1427.5 |
| 80°    | 160.6  | 177.4  | 194.4  | 211.2  | 359.1  | 507.1  | 654.7  | 802.7  | 892.4  | 964.3  | 1005.8 |
| 82.5°  | 97.4   | 105.7  | 113.9  | 122.3  | 242.2  | 362.0  | 481.7  | 601.6  | 652.9  | 687.1  | 724.0  |
| 85°    | 52.5   | 57.1   | 61.6   | 66.2   | 143.1  | 219.9  | 296.8  | 373.5  | 378.6  | 382.6  | 437.5  |
| 87.5°  | 15.3   | 16.8   | 18.0   | 19.2   | 31.6   | 44.3   | 56.8   | 69.3   | 43.1   | 26.8   | 55.2   |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250° | 252.5° | 255° | 257.5° | 260° | 262.5° | 265° | 267.5° | 270° | 272.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 277.5° | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  |
| 2.5°   | 634.9  | 631.8  | 628.7  | 625.3  | 622.2  | 609.0  | 596.0  | 582.8  | 569.6  | 582.3  | 594.9  |
| 5°     | 790.7  | 800.3  | 809.6  | 819.2  | 828.8  | 829.5  | 830.1  | 830.7  | 831.2  | 833.6  | 836.0  |
| 7.5°   | 902.9  | 919.9  | 936.7  | 953.7  | 970.7  | 983.9  | 997.1  | 1010.6 | 1023.7 | 1011.8 | 999.7  |
| 10°    | 912.5  | 948.5  | 984.4  | 1020.3 | 1056.3 | 1062.8 | 1069.0 | 1075.5 | 1082.0 | 1090.6 | 1099.1 |
| 12.5°  | 922.1  | 965.9  | 1009.6 | 1053.5 | 1097.4 | 1116.5 | 1135.5 | 1154.6 | 1173.6 | 1183.0 | 1192.1 |
| 15°    | 1023.5 | 1049.4 | 1075.1 | 1100.9 | 1126.6 | 1139.8 | 1152.7 | 1165.9 | 1179.1 | 1187.0 | 1194.7 |
| 17.5°  | 1154.0 | 1163.6 | 1172.9 | 1182.5 | 1192.1 | 1200.9 | 1209.8 | 1218.6 | 1227.5 | 1229.0 | 1230.4 |
| 20°    | 1272.9 | 1274.8 | 1276.4 | 1278.3 | 1280.0 | 1261.3 | 1242.9 | 1224.2 | 1205.5 | 1208.8 | 1212.0 |
| 22.5°  | 1451.2 | 1440.7 | 1430.4 | 1419.8 | 1409.5 | 1374.3 | 1339.2 | 1304.0 | 1269.0 | 1253.9 | 1239.1 |
| 25°    | 1719.7 | 1692.9 | 1666.1 | 1639.2 | 1612.3 | 1556.3 | 1500.3 | 1444.2 | 1388.4 | 1355.5 | 1323.0 |
| 27.5°  | 1806.3 | 1747.8 | 1689.5 | 1631.0 | 1572.6 | 1530.1 | 1487.9 | 1445.5 | 1403.3 | 1351.2 | 1299.2 |
| 30°    | 1981.3 | 1889.0 | 1796.9 | 1704.7 | 1612.3 | 1571.3 | 1530.4 | 1489.1 | 1448.1 | 1394.9 | 1341.9 |
| 32.5°  | 2136.5 | 2040.5 | 1944.7 | 1848.5 | 1752.6 | 1674.9 | 1597.2 | 1519.6 | 1441.9 | 1405.9 | 1369.9 |
| 35°    | 2316.0 | 2195.4 | 2074.8 | 1954.3 | 1833.7 | 1767.0 | 1700.6 | 1634.0 | 1567.5 | 1513.1 | 1458.9 |
| 37.5°  | 2577.6 | 2449.3 | 2321.1 | 2192.6 | 2064.2 | 1974.1 | 1884.2 | 1794.1 | 1704.2 | 1674.2 | 1644.5 |
| 40°    | 2826.9 | 2675.4 | 2524.1 | 2372.6 | 2221.3 | 2152.3 | 2083.2 | 2014.0 | 1944.8 | 1894.3 | 1843.7 |
| 42.5°  | 3035.7 | 2885.9 | 2736.3 | 2586.4 | 2436.8 | 2386.5 | 2336.4 | 2286.1 | 2236.0 | 2194.2 | 2152.5 |
| 45°    | 3107.5 | 2985.2 | 2863.1 | 2740.8 | 2618.6 | 2600.8 | 2583.3 | 2565.6 | 2548.1 | 2517.2 | 2486.2 |
| 47.5°  | 3222.7 | 3098.1 | 2973.7 | 2849.0 | 2724.3 | 2730.8 | 2737.3 | 2743.9 | 2750.4 | 2752.1 | 2753.5 |
| 50°    | 3290.6 | 3172.2 | 3054.0 | 2935.5 | 2817.4 | 2848.7 | 2879.9 | 2911.3 | 2942.7 | 3014.0 | 3084.9 |
| 52.5°  | 3389.6 | 3273.4 | 3157.3 | 3041.0 | 2924.7 | 2978.0 | 3030.9 | 3084.2 | 3137.1 | 3236.9 | 3336.6 |
| 55°    | 3513.8 | 3402.5 | 3291.5 | 3180.3 | 3069.3 | 3121.1 | 3172.6 | 3224.4 | 3276.0 | 3387.0 | 3498.0 |
| 57.5°  | 3678.5 | 3559.4 | 3440.5 | 3321.3 | 3202.4 | 3250.1 | 3297.6 | 3345.3 | 3392.8 | 3498.2 | 3603.8 |
| 60°    | 3866.0 | 3736.5 | 3607.0 | 3477.4 | 3347.9 | 3361.1 | 3374.0 | 3387.2 | 3400.2 | 3514.5 | 3628.7 |
| 62.5°  | 3958.1 | 3838.2 | 3718.5 | 3598.7 | 3478.8 | 3442.1 | 3405.5 | 3368.6 | 3331.8 | 3434.2 | 3536.3 |
| 65°    | 3878.2 | 3795.7 | 3713.5 | 3631.1 | 3548.6 | 3483.8 | 3419.4 | 3354.6 | 3289.9 | 3353.9 | 3417.7 |
| 67.5°  | 3624.1 | 3577.4 | 3530.9 | 3484.1 | 3437.3 | 3328.7 | 3220.1 | 3111.2 | 3002.7 | 3007.0 | 3011.1 |
| 70°    | 3212.2 | 3199.7 | 3187.5 | 3175.1 | 3162.5 | 2999.3 | 2836.3 | 2673.0 | 2509.8 | 2484.8 | 2459.9 |
| 72.5°  | 2690.3 | 2698.4 | 2706.4 | 2714.5 | 2722.7 | 2547.2 | 2371.7 | 2196.1 | 2020.6 | 1979.1 | 1937.7 |
| 75°    | 2083.7 | 2128.7 | 2173.8 | 2219.1 | 2264.2 | 2096.4 | 1928.6 | 1760.5 | 1592.7 | 1541.6 | 1490.6 |
| 77.5°  | 1472.3 | 1556.5 | 1640.4 | 1724.5 | 1808.7 | 1656.9 | 1505.4 | 1353.7 | 1201.9 | 1168.8 | 1135.7 |
| 80°    | 1026.7 | 1067.9 | 1109.1 | 1150.4 | 1191.6 | 1115.4 | 1039.1 | 962.8  | 886.6  | 895.7  | 904.6  |
| 82.5°  | 747.8  | 757.4  | 766.7  | 776.3  | 785.9  | 754.7  | 723.6  | 692.1  | 661.0  | 684.7  | 708.5  |
| 85°    | 479.1  | 513.3  | 547.3  | 581.7  | 615.7  | 581.1  | 546.7  | 511.9  | 477.4  | 493.2  | 509.0  |
| 87.5°  | 107.1  | 169.5  | 231.8  | 294.4  | 356.8  | 323.2  | 289.9  | 256.3  | 222.8  | 207.6  | 192.7  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 275° | 277.5° | 280° | 282.5° | 285° | 287.5° | 290° | 292.5° | 295° | 297.5° | 300° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 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):**

|        | 302.5° | 305°   | 307.5° | 310°   | 312.5° | 315°   | 317.5° | 320°   | 322.5° | 325°   | 327.5° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  |
| 2.5°   | 607.6  | 620.2  | 616.4  | 612.8  | 609.0  | 605.1  | 612.1  | 619.1  | 626.2  | 633.2  | 630.8  |
| 5°     | 838.6  | 841.1  | 818.3  | 795.7  | 773.0  | 750.2  | 764.3  | 778.5  | 792.6  | 806.8  | 801.7  |
| 7.5°   | 987.8  | 975.8  | 962.6  | 949.5  | 936.0  | 922.8  | 919.9  | 917.1  | 914.0  | 911.0  | 907.2  |
| 10°    | 1107.6 | 1116.0 | 1107.4 | 1099.1 | 1090.4 | 1081.7 | 1061.6 | 1041.5 | 1021.1 | 1001.0 | 992.6  |
| 12.5°  | 1201.4 | 1210.7 | 1212.9 | 1214.8 | 1217.0 | 1219.1 | 1196.6 | 1174.3 | 1151.8 | 1129.2 | 1108.9 |
| 15°    | 1202.6 | 1210.5 | 1217.5 | 1224.2 | 1231.2 | 1237.8 | 1223.9 | 1210.3 | 1196.3 | 1182.5 | 1176.0 |
| 17.5°  | 1232.1 | 1233.5 | 1227.8 | 1222.2 | 1216.5 | 1211.0 | 1205.5 | 1200.2 | 1194.7 | 1189.5 | 1179.1 |
| 20°    | 1215.3 | 1218.6 | 1218.0 | 1217.2 | 1216.3 | 1215.5 | 1216.0 | 1216.3 | 1216.8 | 1217.0 | 1211.2 |
| 22.5°  | 1223.9 | 1208.8 | 1212.0 | 1214.8 | 1218.0 | 1220.8 | 1229.5 | 1238.1 | 1247.0 | 1255.5 | 1278.6 |
| 25°    | 1290.1 | 1257.2 | 1252.3 | 1247.5 | 1242.4 | 1237.6 | 1260.2 | 1282.5 | 1305.0 | 1327.5 | 1364.9 |
| 27.5°  | 1247.0 | 1194.9 | 1183.4 | 1171.9 | 1160.4 | 1148.9 | 1183.1 | 1217.2 | 1251.5 | 1285.8 | 1323.9 |
| 30°    | 1288.7 | 1235.7 | 1210.3 | 1184.8 | 1159.2 | 1133.8 | 1166.7 | 1199.2 | 1232.1 | 1264.7 | 1306.9 |
| 32.5°  | 1334.0 | 1298.0 | 1281.0 | 1264.2 | 1247.2 | 1230.4 | 1233.0 | 1235.7 | 1238.3 | 1241.0 | 1300.5 |
| 35°    | 1404.5 | 1350.1 | 1333.2 | 1316.5 | 1299.7 | 1282.9 | 1311.0 | 1338.8 | 1366.8 | 1394.6 | 1445.0 |
| 37.5°  | 1614.5 | 1584.5 | 1554.3 | 1524.1 | 1493.7 | 1463.4 | 1480.0 | 1496.5 | 1513.1 | 1529.6 | 1577.1 |
| 40°    | 1793.1 | 1742.5 | 1737.5 | 1732.7 | 1727.6 | 1722.6 | 1724.1 | 1725.3 | 1726.7 | 1728.1 | 1768.7 |
| 42.5°  | 2110.6 | 2068.9 | 2043.1 | 2017.5 | 1991.8 | 1966.2 | 1964.5 | 1962.8 | 1961.0 | 1959.3 | 1989.7 |
| 45°    | 2455.1 | 2424.1 | 2405.0 | 2385.8 | 2366.4 | 2347.2 | 2316.8 | 2286.3 | 2255.6 | 2225.1 | 2251.8 |
| 47.5°  | 2755.2 | 2756.9 | 2791.7 | 2826.2 | 2861.0 | 2895.7 | 2843.7 | 2791.7 | 2739.7 | 2687.6 | 2653.4 |
| 50°    | 3156.1 | 3227.0 | 3235.4 | 3243.6 | 3252.0 | 3260.4 | 3172.2 | 3084.2 | 2996.0 | 2907.7 | 2871.8 |
| 52.5°  | 3436.6 | 3536.3 | 3523.4 | 3510.7 | 3497.7 | 3484.8 | 3433.7 | 3382.9 | 3331.8 | 3280.8 | 3202.4 |
| 55°    | 3609.2 | 3720.2 | 3710.4 | 3700.8 | 3691.0 | 3681.1 | 3644.0 | 3606.9 | 3569.7 | 3532.5 | 3446.4 |
| 57.5°  | 3709.2 | 3814.7 | 3817.6 | 3820.5 | 3823.3 | 3826.2 | 3816.4 | 3806.6 | 3796.7 | 3786.9 | 3674.9 |
| 60°    | 3743.0 | 3857.4 | 3858.6 | 3859.6 | 3860.7 | 3861.7 | 3846.1 | 3830.6 | 3814.7 | 3799.1 | 3726.0 |
| 62.5°  | 3638.7 | 3740.8 | 3745.5 | 3749.7 | 3754.3 | 3758.8 | 3748.1 | 3737.3 | 3726.4 | 3715.7 | 3661.5 |
| 65°    | 3481.7 | 3545.7 | 3546.9 | 3547.8 | 3549.1 | 3550.3 | 3523.0 | 3495.9 | 3468.5 | 3441.1 | 3428.3 |
| 67.5°  | 3015.4 | 3019.7 | 3045.1 | 3070.5 | 3095.9 | 3121.3 | 3123.5 | 3125.6 | 3128.1 | 3130.3 | 3111.5 |
| 70°    | 2434.9 | 2410.0 | 2437.6 | 2465.1 | 2492.7 | 2520.3 | 2532.0 | 2543.8 | 2555.7 | 2567.5 | 2576.2 |
| 72.5°  | 1896.0 | 1854.5 | 1874.9 | 1895.2 | 1915.9 | 1936.3 | 1918.8 | 1901.3 | 1883.7 | 1866.2 | 1921.6 |
| 75°    | 1439.5 | 1388.4 | 1385.8 | 1383.4 | 1380.8 | 1378.3 | 1369.5 | 1360.6 | 1351.5 | 1342.6 | 1394.4 |
| 77.5°  | 1102.4 | 1069.3 | 1071.0 | 1072.4 | 1074.1 | 1075.5 | 1066.4 | 1057.5 | 1048.4 | 1039.4 | 1059.2 |
| 80°    | 913.7  | 922.6  | 922.8  | 923.1  | 923.3  | 923.6  | 914.9  | 906.5  | 897.9  | 889.3  | 874.9  |
| 82.5°  | 732.4  | 756.2  | 756.0  | 756.0  | 755.7  | 755.5  | 755.0  | 754.5  | 753.8  | 753.3  | 729.8  |
| 85°    | 524.8  | 540.6  | 524.3  | 508.1  | 491.8  | 475.4  | 487.4  | 499.4  | 511.6  | 523.6  | 513.8  |
| 87.5°  | 177.7  | 162.8  | 143.4  | 124.2  | 104.8  | 85.4   | 106.2  | 127.1  | 148.2  | 169.0  | 181.0  |
| 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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CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 302.5° | 305° | 307.5° | 310° | 312.5° | 315° | 317.5° | 320° | 322.5° | 325° | 327.5° |
|--------|--------|------|--------|------|--------|------|--------|------|--------|------|--------|
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  | 521.0  |
| 2.5°   | 628.7  | 626.2  | 624.1  | 609.0  | 593.6  | 578.5  | 563.2  | 591.0  | 619.1  | 646.8  | 674.7  |
| 5°     | 796.9  | 791.9  | 787.1  | 785.9  | 784.7  | 783.3  | 782.0  | 796.2  | 810.4  | 824.3  | 838.4  |
| 7.5°   | 903.4  | 899.5  | 895.7  | 885.6  | 875.8  | 865.7  | 855.7  | 864.3  | 872.7  | 881.3  | 889.8  |
| 10°    | 984.4  | 976.0  | 967.6  | 945.8  | 924.2  | 902.5  | 880.6  | 874.1  | 867.6  | 861.2  | 854.7  |
| 12.5°  | 1088.5 | 1067.9 | 1047.5 | 1022.8 | 997.8  | 973.2  | 948.2  | 944.8  | 941.5  | 938.4  | 935.0  |
| 15°    | 1169.8 | 1163.3 | 1156.8 | 1137.1 | 1117.5 | 1097.8 | 1078.2 | 1051.8 | 1025.1 | 998.8  | 972.4  |
| 17.5°  | 1169.0 | 1158.8 | 1148.7 | 1175.0 | 1201.1 | 1227.5 | 1253.7 | 1225.6 | 1197.4 | 1169.3 | 1141.2 |
| 20°    | 1205.5 | 1199.5 | 1193.7 | 1242.4 | 1290.9 | 1339.5 | 1387.9 | 1372.6 | 1357.0 | 1341.7 | 1326.1 |
| 22.5°  | 1301.4 | 1324.4 | 1347.2 | 1388.9 | 1430.4 | 1472.1 | 1513.5 | 1531.0 | 1548.6 | 1566.1 | 1583.6 |
| 25°    | 1402.0 | 1439.5 | 1476.9 | 1539.0 | 1600.8 | 1663.0 | 1725.0 | 1737.5 | 1750.0 | 1762.4 | 1774.9 |
| 27.5°  | 1361.8 | 1399.9 | 1438.0 | 1485.0 | 1531.8 | 1578.8 | 1625.5 | 1680.2 | 1735.1 | 1789.8 | 1844.4 |
| 30°    | 1348.9 | 1391.0 | 1433.0 | 1497.5 | 1561.7 | 1626.2 | 1690.7 | 1766.1 | 1841.3 | 1916.3 | 1991.6 |
| 32.5°  | 1359.7 | 1419.1 | 1478.6 | 1565.8 | 1652.9 | 1740.2 | 1827.4 | 1906.5 | 1985.9 | 2065.0 | 2144.1 |
| 35°    | 1495.1 | 1545.4 | 1595.5 | 1693.2 | 1790.7 | 1888.3 | 1985.9 | 2078.6 | 2171.5 | 2264.0 | 2356.8 |
| 37.5°  | 1624.4 | 1671.8 | 1719.3 | 1819.0 | 1918.5 | 2018.2 | 2118.0 | 2264.5 | 2411.2 | 2557.7 | 2704.2 |
| 40°    | 1808.9 | 1849.5 | 1889.8 | 1975.1 | 2060.5 | 2145.8 | 2231.2 | 2407.8 | 2584.5 | 2761.3 | 2937.9 |
| 42.5°  | 2019.9 | 2050.4 | 2080.6 | 2169.0 | 2257.5 | 2345.9 | 2434.5 | 2626.7 | 2819.3 | 3011.5 | 3203.8 |
| 45°    | 2278.2 | 2304.7 | 2331.4 | 2392.3 | 2453.2 | 2514.3 | 2575.2 | 2773.5 | 2971.7 | 3170.0 | 3368.3 |
| 47.5°  | 2619.1 | 2584.8 | 2550.4 | 2580.5 | 2610.4 | 2640.4 | 2670.4 | 2866.5 | 3062.6 | 3258.5 | 3454.6 |
| 50°    | 2835.8 | 2799.9 | 2763.9 | 2766.5 | 2768.9 | 2771.5 | 2774.2 | 2957.1 | 3140.0 | 3322.7 | 3505.6 |
| 52.5°  | 3123.9 | 3045.3 | 2966.9 | 2966.2 | 2965.5 | 2964.5 | 2963.8 | 3123.3 | 3283.0 | 3442.4 | 3601.8 |
| 55°    | 3360.4 | 3274.3 | 3188.3 | 3171.5 | 3154.6 | 3137.7 | 3120.8 | 3278.6 | 3436.2 | 3593.9 | 3751.4 |
| 57.5°  | 3563.0 | 3450.8 | 3338.8 | 3312.4 | 3286.1 | 3259.7 | 3233.3 | 3403.3 | 3573.5 | 3743.5 | 3913.5 |
| 60°    | 3653.1 | 3580.0 | 3507.1 | 3474.8 | 3442.4 | 3410.0 | 3377.6 | 3522.4 | 3667.2 | 3811.8 | 3956.6 |
| 62.5°  | 3607.5 | 3553.4 | 3499.4 | 3506.9 | 3514.3 | 3521.7 | 3529.2 | 3611.9 | 3694.8 | 3777.6 | 3860.2 |
| 65°    | 3415.5 | 3402.5 | 3389.8 | 3449.8 | 3509.7 | 3569.7 | 3629.6 | 3630.8 | 3632.0 | 3633.2 | 3634.5 |
| 67.5°  | 3092.8 | 3074.1 | 3055.4 | 3180.1 | 3304.5 | 3429.2 | 3553.9 | 3494.6 | 3435.4 | 3376.5 | 3317.2 |
| 70°    | 2584.5 | 2593.2 | 2601.6 | 2771.3 | 2940.8 | 3110.6 | 3280.3 | 3194.5 | 3108.4 | 3022.5 | 2936.5 |
| 72.5°  | 1977.0 | 2032.6 | 2088.0 | 2264.0 | 2440.0 | 2616.0 | 2792.0 | 2693.8 | 2595.5 | 2497.5 | 2399.2 |
| 75°    | 1446.2 | 1498.0 | 1549.8 | 1723.6 | 1897.4 | 2071.5 | 2245.3 | 2128.7 | 2012.3 | 1896.0 | 1779.4 |
| 77.5°  | 1079.1 | 1099.3 | 1119.2 | 1263.7 | 1408.1 | 1552.6 | 1696.9 | 1580.0 | 1463.0 | 1346.2 | 1229.2 |
| 80°    | 860.7  | 846.4  | 832.2  | 912.3  | 992.3  | 1072.4 | 1152.5 | 1069.5 | 986.4  | 903.4  | 820.5  |
| 82.5°  | 706.5  | 683.1  | 659.8  | 689.5  | 719.2  | 749.2  | 778.9  | 712.6  | 646.1  | 579.7  | 513.3  |
| 85°    | 504.0  | 494.1  | 484.3  | 492.9  | 501.3  | 509.9  | 518.6  | 453.8  | 389.1  | 324.6  | 259.9  |
| 87.5°  | 192.7  | 204.8  | 216.7  | 230.4  | 243.9  | 257.5  | 270.9  | 212.2  | 153.5  | 94.9   | 36.2   |
| 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: P822604

CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 330° | 332.5° | 335° | 337.5° | 340° | 342.5° | 345° | 347.5° | 350° | 352.5° | 355° |
|--------|------|--------|------|--------|------|--------|------|--------|------|--------|------|
| 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: P822604  
 CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 0°     | 521.0  | 521.0  |
| 2.5°   | 686.2  | 697.7  |
| 5°     | 838.2  | 838.0  |
| 7.5°   | 885.9  | 881.9  |
| 10°    | 844.2  | 833.6  |
| 12.5°  | 903.9  | 872.4  |
| 15°    | 941.3  | 909.9  |
| 17.5°  | 1094.0 | 1046.5 |
| 20°    | 1269.8 | 1213.2 |
| 22.5°  | 1497.5 | 1411.5 |
| 25°    | 1672.0 | 1569.0 |
| 27.5°  | 1783.3 | 1721.9 |
| 30°    | 1921.4 | 1851.2 |
| 32.5°  | 2092.3 | 2040.3 |
| 35°    | 2309.3 | 2261.6 |
| 37.5°  | 2689.3 | 2674.2 |
| 40°    | 2919.9 | 2901.7 |
| 42.5°  | 3204.5 | 3205.0 |
| 45°    | 3379.1 | 3389.8 |
| 47.5°  | 3481.9 | 3509.0 |
| 50°    | 3563.9 | 3621.9 |
| 52.5°  | 3681.1 | 3760.5 |
| 55°    | 3856.9 | 3962.2 |
| 57.5°  | 4003.2 | 4092.8 |
| 60°    | 4003.2 | 4049.4 |
| 62.5°  | 3859.1 | 3857.6 |
| 65°    | 3612.1 | 3589.5 |
| 67.5°  | 3288.9 | 3260.7 |
| 70°    | 2892.4 | 2848.0 |
| 72.5°  | 2344.3 | 2289.2 |
| 75°    | 1703.9 | 1628.2 |
| 77.5°  | 1193.2 | 1157.1 |
| 80°    | 838.0  | 855.4  |
| 82.5°  | 538.3  | 563.2  |
| 85°    | 256.1  | 252.2  |
| 87.5°  | 30.2   | 24.2   |
| 90°    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    |



REPORT NUMBER: P822604  
 CATALOG NUMBER: PMM-SA1D-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360° |
|--------|--------|------|
| 112.5° | 0.0    | 0.0  |
| 115°   | 0.0    | 0.0  |
| 117.5° | 0.0    | 0.0  |
| 120°   | 0.0    | 0.0  |
| 122.5° | 0.0    | 0.0  |
| 125°   | 0.0    | 0.0  |
| 127.5° | 0.0    | 0.0  |
| 130°   | 0.0    | 0.0  |
| 132.5° | 0.0    | 0.0  |
| 135°   | 0.0    | 0.0  |
| 137.5° | 0.0    | 0.0  |
| 140°   | 0.0    | 0.0  |
| 142.5° | 0.0    | 0.0  |
| 145°   | 0.0    | 0.0  |
| 147.5° | 0.0    | 0.0  |
| 150°   | 0.0    | 0.0  |
| 152.5° | 0.0    | 0.0  |
| 155°   | 0.0    | 0.0  |
| 157.5° | 0.0    | 0.0  |
| 160°   | 0.0    | 0.0  |
| 162.5° | 0.0    | 0.0  |
| 165°   | 0.0    | 0.0  |
| 167.5° | 0.0    | 0.0  |
| 170°   | 0.0    | 0.0  |
| 172.5° | 0.0    | 0.0  |
| 175°   | 0.0    | 0.0  |
| 177.5° | 0.0    | 0.0  |
| 180°   | 0.0    | 0.0  |

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



LM-79-2019: Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Report Prepared for

Cooper Lighting Solutions

McGRAW-EDISON

Report Number: SP1-2309-178-2

Test Date: 09/22/2023

Luminaire Tested: GALN-SA2A-840-U-T4W

Data in this report applies to families of products including GALN-SA2A-840-U-T4W.

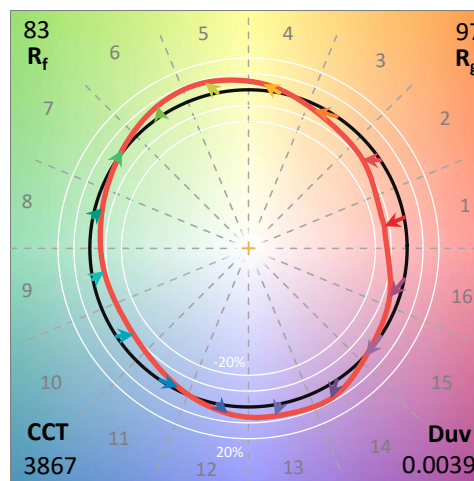
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2309-178-2  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry: 4π  
 Issue Date: 09/22/2023  
 Manufacturer: COOPER LIGHTING SOLUTIONS  
 Product Line: MCGRAW-EDISON  
 Catalog Number: **GALN-SA2A-840-U-T4W**  
 Description: GALLEON 2 AREA AND ROADWAY LUMINAIRE. (2) 80 CRI, 4000K, 615MA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS

LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS

### Spectral Parameters

|                           |        |           |      |      |      |
|---------------------------|--------|-----------|------|------|------|
| CCT (K):                  | 3867   | CRI (Ra): | 79.8 |      |      |
| CIE u':                   | 0.2254 | R1:       | 76.6 | R9:  | -8.6 |
| CIE v':                   | 0.5090 | R2:       | 84.7 | R10: | 66.3 |
| Duv:                      | 0.0039 | R3:       | 93.7 | R11: | 80.5 |
| CIE x:                    | 0.3895 | R4:       | 80.6 | R12: | 67.3 |
| CIE y:                    | 0.3908 | R5:       | 77.9 | R13: | 77.9 |
| CIE z:                    | 0.2197 | R6:       | 81.2 | R14: | 96.6 |
| Peak Wavelength (nm):     | 593    | R7:       | 84.2 |      |      |
| Dominant Wavelength (nm): | 577    | R8:       | 59.0 |      |      |
| Purity:                   | 34.3   |           |      |      |      |
| Rf:                       | 82.7   |           |      |      |      |
| Rg:                       | 96.5   |           |      |      |      |



### Test Conditions

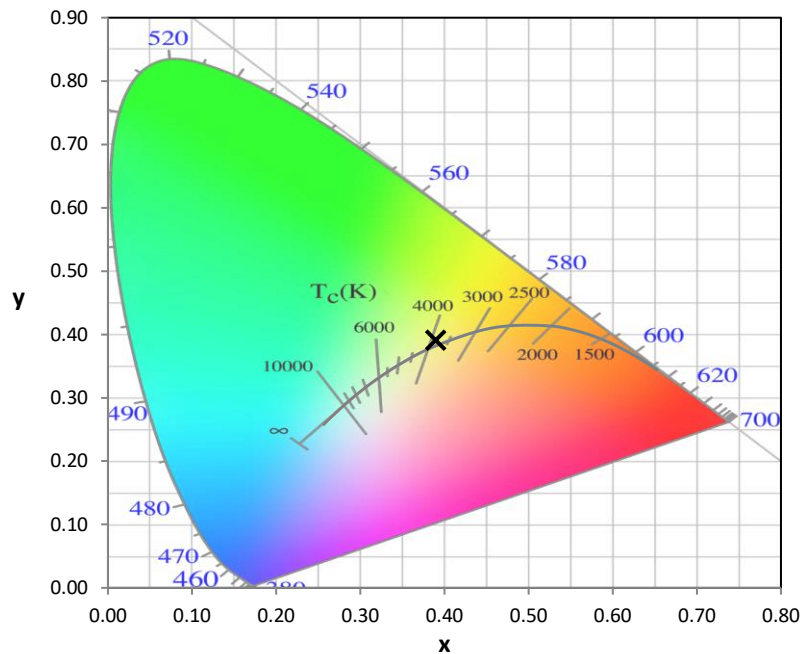
Stabilization Time: 25M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.8/46%  
 Sphere Temperature (°C): 24.7

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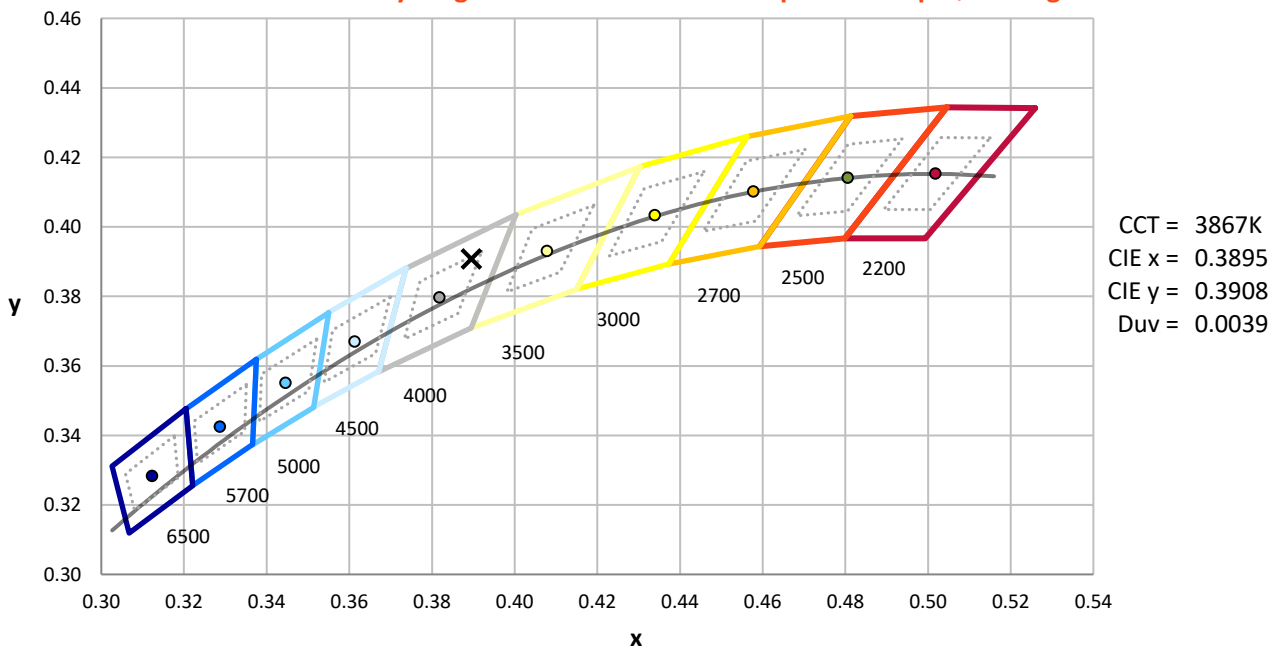
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date |
| Photometer                     | 76INCH SPHERE IN0058  | 8/9/2023         | 2/9/2024             |
| Power Meter                    | XITRON 2801 IN0071    | 11/29/2022       | 11/29/2023           |
| AC Power Source                | CHROMA 61603 IN0063   | 11/28/2022       | 11/28/2023           |
| DC Power Source                | AGILENT E3634A IN0208 | 11/28/2022       | 11/28/2023           |
| Sphere Thermometer             | ONSET IN0085          | 11/28/2022       | 11/28/2023           |
| Room Thermometer               | ONSET IN0046          | 11/28/2022       | 11/28/2023           |

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**CIE 1931 Chromaticity Diagram**



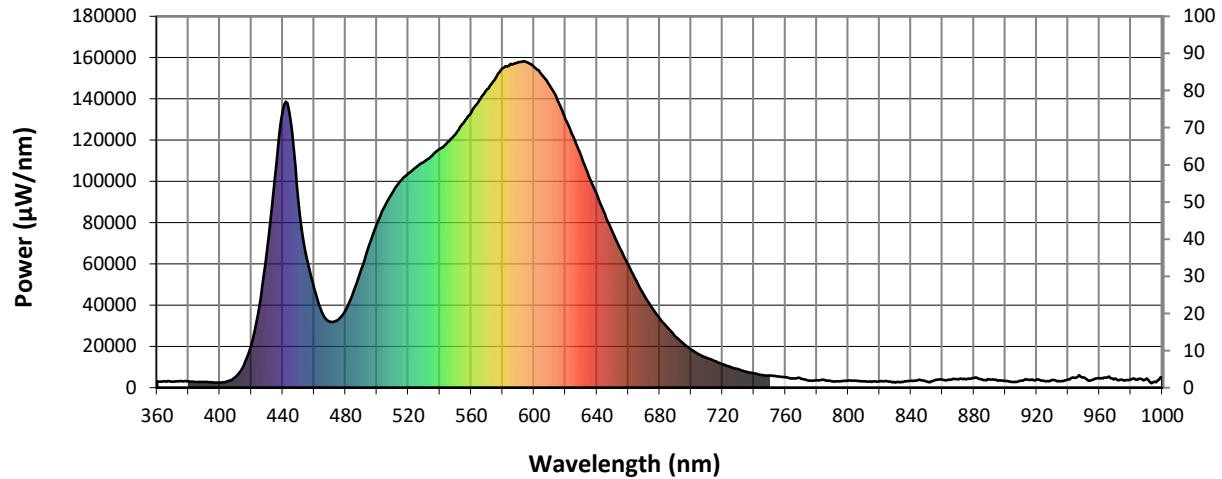
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 4000K 4-step quadrangle

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**Photopic Flux vs. Wavelength**

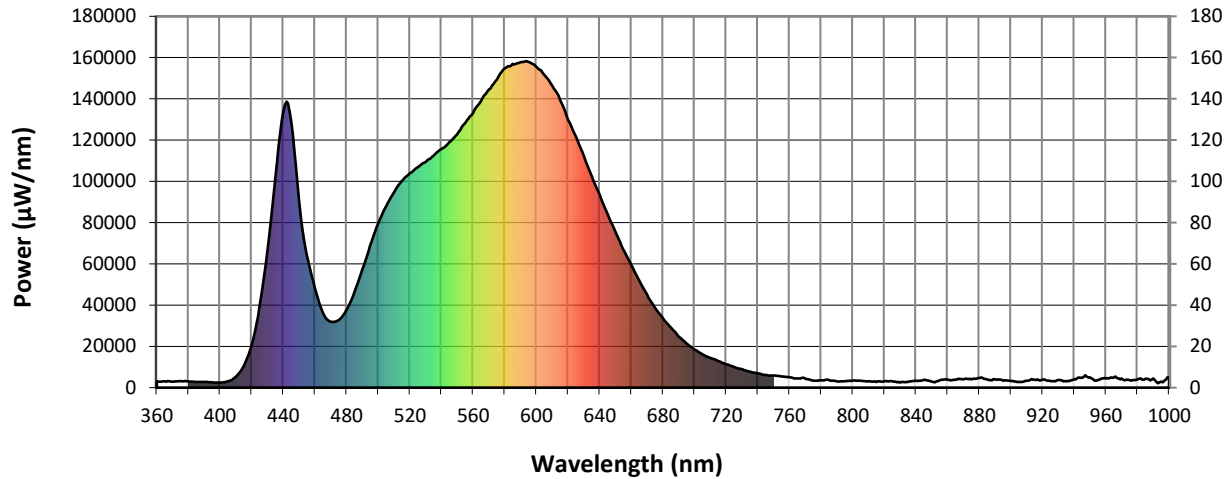


#####

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3123             | NR               | 490       | 57459            | NR               | 620       | 129941           | NR               | 750       | 5858             | NR               | 880       | 4622             | NR               |
| 365       | 3041             | NR               | 495       | 69038            | NR               | 625       | 121678           | NR               | 755       | 5395             | NR               | 885       | 3949             | NR               |
| 370       | 2965             | NR               | 500       | 79493            | NR               | 630       | 112252           | NR               | 760       | 5011             | NR               | 890       | 4035             | NR               |
| 375       | 3195             | NR               | 505       | 87950            | NR               | 635       | 102369           | NR               | 765       | 4514             | NR               | 895       | 3391             | NR               |
| 380       | 3028             | NR               | 510       | 94704            | NR               | 640       | 93616            | NR               | 770       | 4375             | NR               | 900       | 3268             | NR               |
| 385       | 2738             | NR               | 515       | 100214           | NR               | 645       | 84211            | NR               | 775       | 3450             | NR               | 905       | 2767             | NR               |
| 390       | 2690             | NR               | 520       | 103961           | NR               | 650       | 75380            | NR               | 780       | 3547             | NR               | 910       | 3391             | NR               |
| 395       | 2604             | NR               | 525       | 106854           | NR               | 655       | 66946            | NR               | 785       | 3648             | NR               | 915       | 3784             | NR               |
| 400       | 2384             | NR               | 530       | 109533           | NR               | 660       | 59483            | NR               | 790       | 3081             | NR               | 920       | 3790             | NR               |
| 405       | 3031             | NR               | 535       | 112417           | NR               | 665       | 51858            | NR               | 795       | 3104             | NR               | 925       | 3175             | NR               |
| 410       | 5239             | NR               | 540       | 115725           | NR               | 670       | 44882            | NR               | 800       | 3444             | NR               | 930       | 3642             | NR               |
| 415       | 10499            | NR               | 545       | 119091           | NR               | 675       | 38742            | NR               | 805       | 3315             | NR               | 935       | 3040             | NR               |
| 420       | 20790            | NR               | 550       | 122884           | NR               | 680       | 33597            | NR               | 810       | 3022             | NR               | 940       | 4039             | NR               |
| 425       | 39276            | NR               | 555       | 128300           | NR               | 685       | 29101            | NR               | 815       | 2832             | NR               | 945       | 4797             | NR               |
| 430       | 66418            | NR               | 560       | 133274           | NR               | 690       | 24855            | NR               | 820       | 3142             | NR               | 950       | 4945             | NR               |
| 435       | 101961           | NR               | 565       | 139112           | NR               | 695       | 21367            | NR               | 825       | 3115             | NR               | 955       | 3757             | NR               |
| 440       | 134023           | NR               | 570       | 144467           | NR               | 700       | 18479            | NR               | 830       | 2520             | NR               | 960       | 4539             | NR               |
| 445       | 129385           | NR               | 575       | 149331           | NR               | 705       | 16131            | NR               | 835       | 2783             | NR               | 965       | 4857             | NR               |
| 450       | 90434            | NR               | 580       | 154784           | NR               | 710       | 14388            | NR               | 840       | 3364             | NR               | 970       | 4463             | NR               |
| 455       | 63521            | NR               | 585       | 156899           | NR               | 715       | 12865            | NR               | 845       | 3807             | NR               | 975       | 3718             | NR               |
| 460       | 48429            | NR               | 590       | 157796           | NR               | 720       | 11277            | NR               | 850       | 2907             | NR               | 980       | 3955             | NR               |
| 465       | 36445            | NR               | 595       | 157849           | NR               | 725       | 10063            | NR               | 855       | 3470             | NR               | 985       | 4314             | NR               |
| 470       | 31953            | NR               | 600       | 155418           | NR               | 730       | 8942             | NR               | 860       | 3820             | NR               | 990       | 4478             | NR               |
| 475       | 32768            | NR               | 605       | 151601           | NR               | 735       | 7722             | NR               | 865       | 3922             | NR               | 995       | 2959             | NR               |
| 480       | 37631            | NR               | 610       | 146416           | NR               | 740       | 6964             | NR               | 870       | 4061             | NR               | 1000      | 4570             | NR               |
| 485       | 46354            | NR               | 615       | 139241           | NR               | 745       | 6117             | NR               | 875       | 3975             | NR               |           |                  |                  |

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Scotopic Flux vs. Wavelength



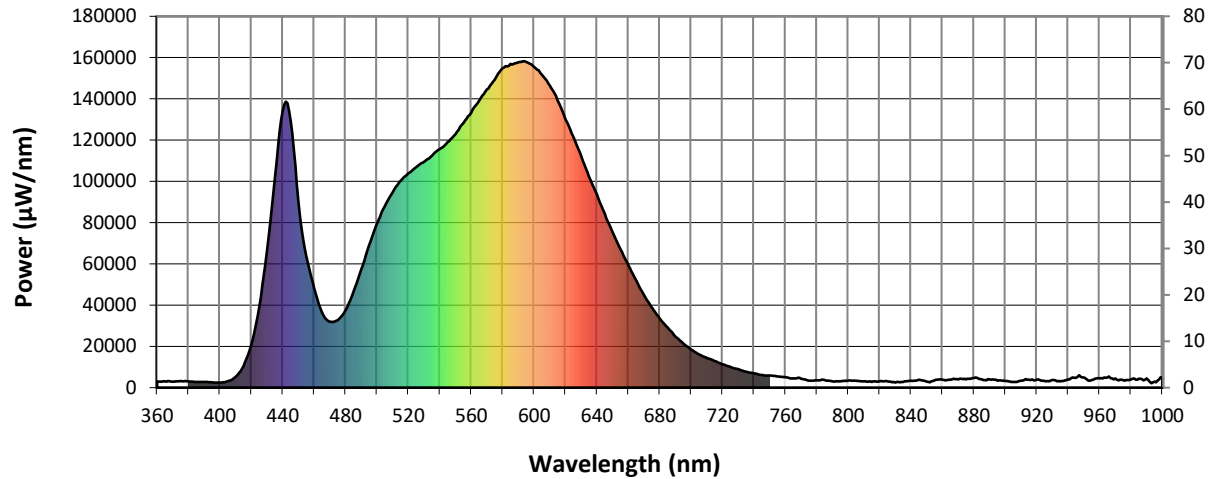
Scotopic Lumens: 14236

S/P: 1.59

| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(Φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3123             | NR               | 490       | 57459            | NR               | 620       | 129941           | NR               | 750       | 5858             | NR               | 880       | 4622             | NR               |
| 365       | 3041             | NR               | 495       | 69038            | NR               | 625       | 121678           | NR               | 755       | 5395             | NR               | 885       | 3949             | NR               |
| 370       | 2965             | NR               | 500       | 79493            | NR               | 630       | 112252           | NR               | 760       | 5011             | NR               | 890       | 4035             | NR               |
| 375       | 3195             | NR               | 505       | 87950            | NR               | 635       | 102369           | NR               | 765       | 4514             | NR               | 895       | 3391             | NR               |
| 380       | 3028             | NR               | 510       | 94704            | NR               | 640       | 93616            | NR               | 770       | 4375             | NR               | 900       | 3268             | NR               |
| 385       | 2738             | NR               | 515       | 100214           | NR               | 645       | 84211            | NR               | 775       | 3450             | NR               | 905       | 2767             | NR               |
| 390       | 2690             | NR               | 520       | 103961           | NR               | 650       | 75380            | NR               | 780       | 3547             | NR               | 910       | 3391             | NR               |
| 395       | 2604             | NR               | 525       | 106854           | NR               | 655       | 66946            | NR               | 785       | 3648             | NR               | 915       | 3784             | NR               |
| 400       | 2384             | NR               | 530       | 109533           | NR               | 660       | 59483            | NR               | 790       | 3081             | NR               | 920       | 3790             | NR               |
| 405       | 3031             | NR               | 535       | 112417           | NR               | 665       | 51858            | NR               | 795       | 3104             | NR               | 925       | 3175             | NR               |
| 410       | 5239             | NR               | 540       | 115725           | NR               | 670       | 44882            | NR               | 800       | 3444             | NR               | 930       | 3642             | NR               |
| 415       | 10499            | NR               | 545       | 119091           | NR               | 675       | 38742            | NR               | 805       | 3315             | NR               | 935       | 3040             | NR               |
| 420       | 20790            | NR               | 550       | 122884           | NR               | 680       | 33597            | NR               | 810       | 3022             | NR               | 940       | 4039             | NR               |
| 425       | 39276            | NR               | 555       | 128300           | NR               | 685       | 29101            | NR               | 815       | 2832             | NR               | 945       | 4797             | NR               |
| 430       | 66418            | NR               | 560       | 133274           | NR               | 690       | 24855            | NR               | 820       | 3142             | NR               | 950       | 4945             | NR               |
| 435       | 101961           | NR               | 565       | 139112           | NR               | 695       | 21367            | NR               | 825       | 3115             | NR               | 955       | 3757             | NR               |
| 440       | 134023           | NR               | 570       | 144467           | NR               | 700       | 18479            | NR               | 830       | 2520             | NR               | 960       | 4539             | NR               |
| 445       | 129385           | NR               | 575       | 149331           | NR               | 705       | 16131            | NR               | 835       | 2783             | NR               | 965       | 4857             | NR               |
| 450       | 90434            | NR               | 580       | 154784           | NR               | 710       | 14388            | NR               | 840       | 3364             | NR               | 970       | 4463             | NR               |
| 455       | 63521            | NR               | 585       | 156899           | NR               | 715       | 12865            | NR               | 845       | 3807             | NR               | 975       | 3718             | NR               |
| 460       | 48429            | NR               | 590       | 157796           | NR               | 720       | 11277            | NR               | 850       | 2907             | NR               | 980       | 3955             | NR               |
| 465       | 36445            | NR               | 595       | 157849           | NR               | 725       | 10063            | NR               | 855       | 3470             | NR               | 985       | 4314             | NR               |
| 470       | 31953            | NR               | 600       | 155418           | NR               | 730       | 8942             | NR               | 860       | 3820             | NR               | 990       | 4478             | NR               |
| 475       | 32768            | NR               | 605       | 151601           | NR               | 735       | 7722             | NR               | 865       | 3922             | NR               | 995       | 2959             | NR               |
| 480       | 37631            | NR               | 610       | 146416           | NR               | 740       | 6964             | NR               | 870       | 4061             | NR               | 1000      | 4570             | NR               |
| 485       | 46354            | NR               | 615       | 139241           | NR               | 745       | 6117             | NR               | 875       | 3975             | NR               |           |                  |                  |

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**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5542.6 M/P: 0.62**

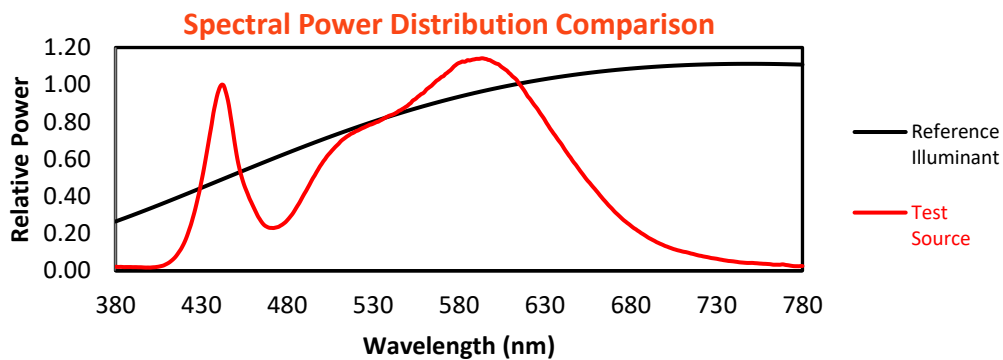
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|-----------|------------------|------------------|
| 360       | 3123             | NR               | 490       | 57459            | NR               | 620       | 129941           | NR               | 750       | 5858             | NR               | 880       | 4622             | NR               |
| 365       | 3041             | NR               | 495       | 69038            | NR               | 625       | 121678           | NR               | 755       | 5395             | NR               | 885       | 3949             | NR               |
| 370       | 2965             | NR               | 500       | 79493            | NR               | 630       | 112252           | NR               | 760       | 5011             | NR               | 890       | 4035             | NR               |
| 375       | 3195             | NR               | 505       | 87950            | NR               | 635       | 102369           | NR               | 765       | 4514             | NR               | 895       | 3391             | NR               |
| 380       | 3028             | NR               | 510       | 94704            | NR               | 640       | 93616            | NR               | 770       | 4375             | NR               | 900       | 3268             | NR               |
| 385       | 2738             | NR               | 515       | 100214           | NR               | 645       | 84211            | NR               | 775       | 3450             | NR               | 905       | 2767             | NR               |
| 390       | 2690             | NR               | 520       | 103961           | NR               | 650       | 75380            | NR               | 780       | 3547             | NR               | 910       | 3391             | NR               |
| 395       | 2604             | NR               | 525       | 106854           | NR               | 655       | 66946            | NR               | 785       | 3648             | NR               | 915       | 3784             | NR               |
| 400       | 2384             | NR               | 530       | 109533           | NR               | 660       | 59483            | NR               | 790       | 3081             | NR               | 920       | 3790             | NR               |
| 405       | 3031             | NR               | 535       | 112417           | NR               | 665       | 51858            | NR               | 795       | 3104             | NR               | 925       | 3175             | NR               |
| 410       | 5239             | NR               | 540       | 115725           | NR               | 670       | 44882            | NR               | 800       | 3444             | NR               | 930       | 3642             | NR               |
| 415       | 10499            | NR               | 545       | 119091           | NR               | 675       | 38742            | NR               | 805       | 3315             | NR               | 935       | 3040             | NR               |
| 420       | 20790            | NR               | 550       | 122884           | NR               | 680       | 33597            | NR               | 810       | 3022             | NR               | 940       | 4039             | NR               |
| 425       | 39276            | NR               | 555       | 128300           | NR               | 685       | 29101            | NR               | 815       | 2832             | NR               | 945       | 4797             | NR               |
| 430       | 66418            | NR               | 560       | 133274           | NR               | 690       | 24855            | NR               | 820       | 3142             | NR               | 950       | 4945             | NR               |
| 435       | 101961           | NR               | 565       | 139112           | NR               | 695       | 21367            | NR               | 825       | 3115             | NR               | 955       | 3757             | NR               |
| 440       | 134023           | NR               | 570       | 144467           | NR               | 700       | 18479            | NR               | 830       | 2520             | NR               | 960       | 4539             | NR               |
| 445       | 129385           | NR               | 575       | 149331           | NR               | 705       | 16131            | NR               | 835       | 2783             | NR               | 965       | 4857             | NR               |
| 450       | 90434            | NR               | 580       | 154784           | NR               | 710       | 14388            | NR               | 840       | 3364             | NR               | 970       | 4463             | NR               |
| 455       | 63521            | NR               | 585       | 156899           | NR               | 715       | 12865            | NR               | 845       | 3807             | NR               | 975       | 3718             | NR               |
| 460       | 48429            | NR               | 590       | 157796           | NR               | 720       | 11277            | NR               | 850       | 2907             | NR               | 980       | 3955             | NR               |
| 465       | 36445            | NR               | 595       | 157849           | NR               | 725       | 10063            | NR               | 855       | 3470             | NR               | 985       | 4314             | NR               |
| 470       | 31953            | NR               | 600       | 155418           | NR               | 730       | 8942             | NR               | 860       | 3820             | NR               | 990       | 4478             | NR               |
| 475       | 32768            | NR               | 605       | 151601           | NR               | 735       | 7722             | NR               | 865       | 3922             | NR               | 995       | 2959             | NR               |
| 480       | 37631            | NR               | 610       | 146416           | NR               | 740       | 6964             | NR               | 870       | 4061             | NR               | 1000      | 4570             | NR               |
| 485       | 46354            | NR               | 615       | 139241           | NR               | 745       | 6117             | NR               | 875       | 3975             | NR               |           |                  |                  |

REPORT NUMBER: SP1-2309-178-2

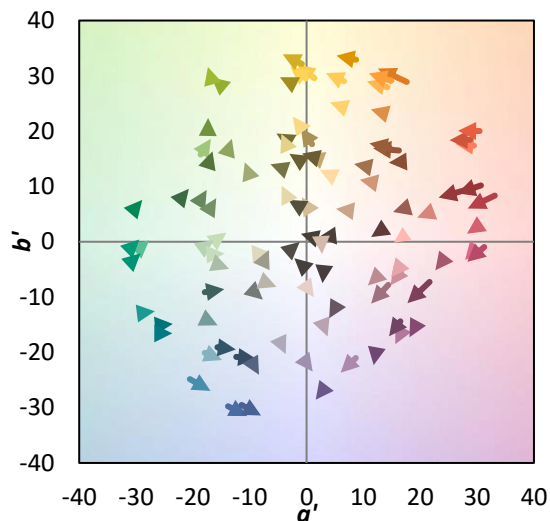
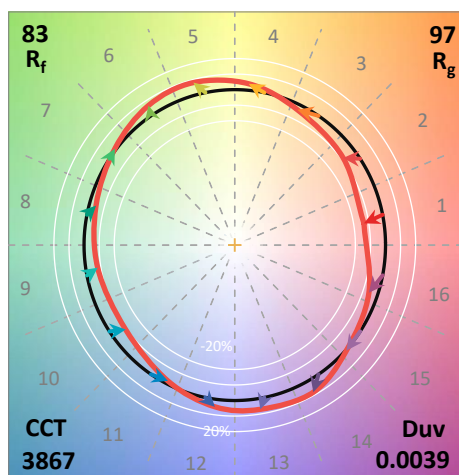
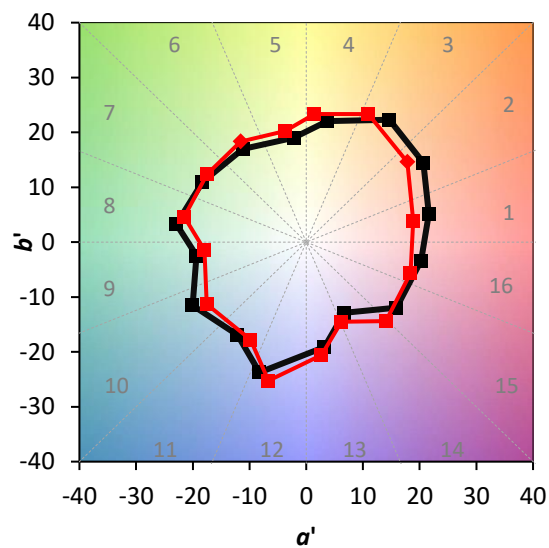
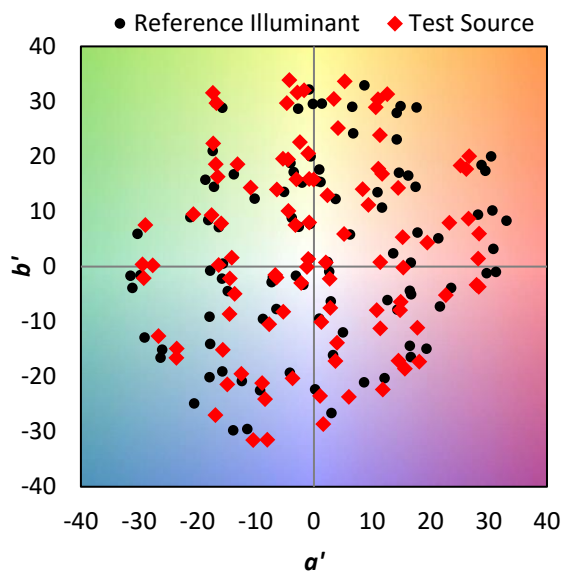
**TM-30-18**

**Summary**

$R_f = 82.7$   
 $R_g = 96.5$   
 $CIE R_a = 79.8$   
 $R_g = -8.6$



**Color Vector Graphics**

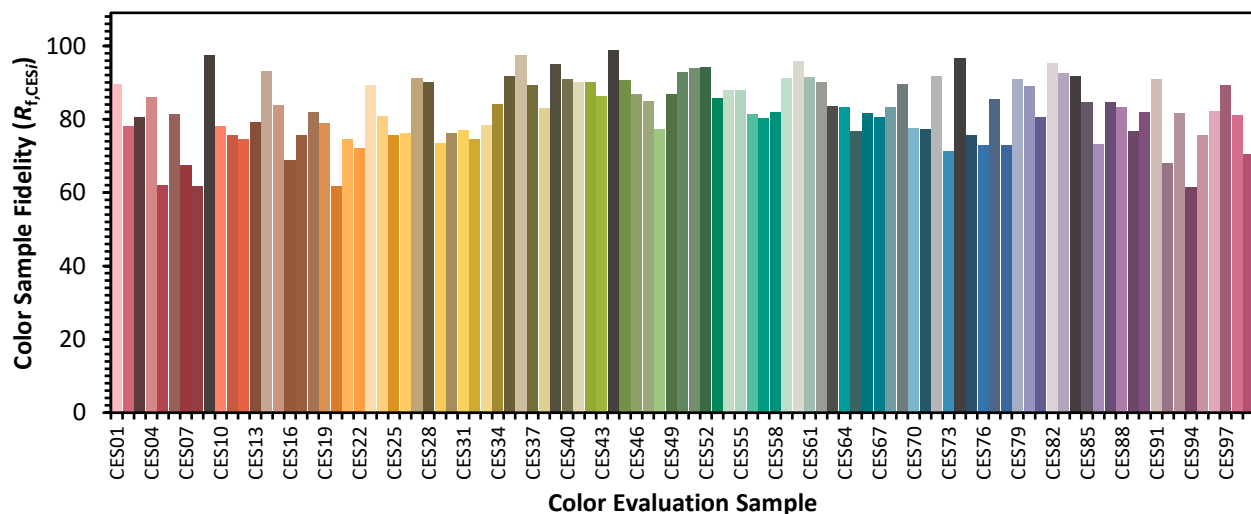


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**TM-30-18**

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

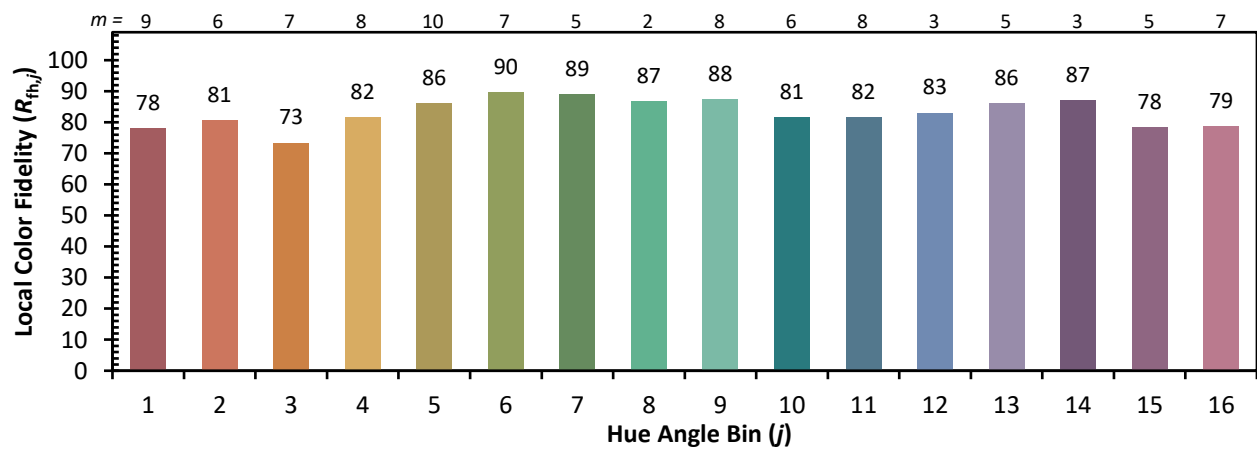
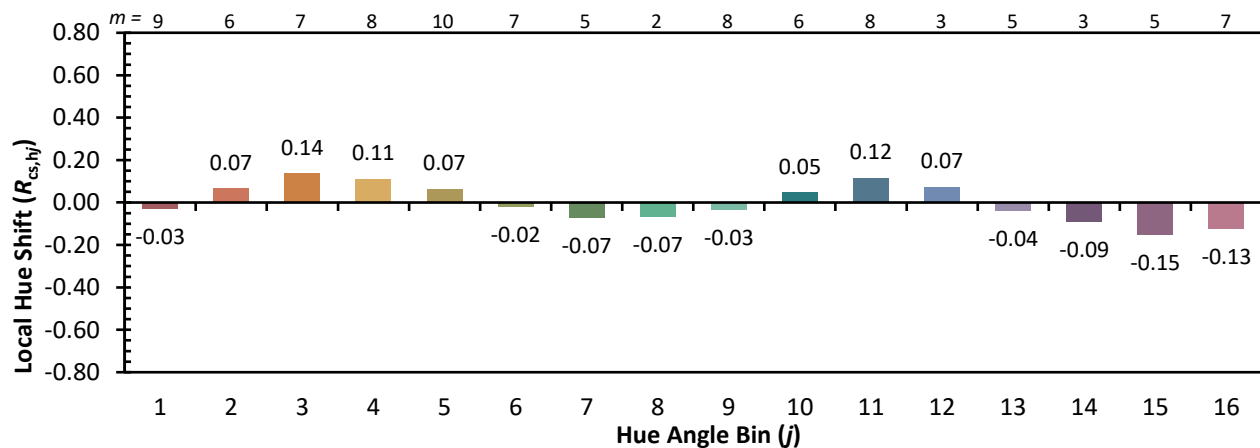
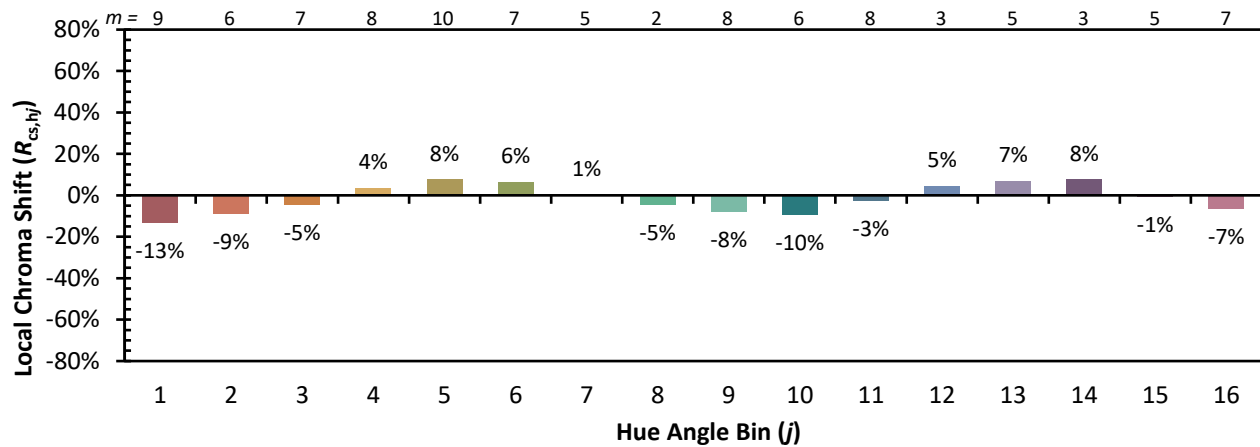
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 76 | CES51 = 94 | CES76 = 73 |
| CES02 = 61 | CES27 = 91 | CES52 = 94 | CES77 = 85 |
| CES03 = 31 | CES28 = 90 | CES53 = 86 | CES78 = 73 |
| CES04 = 69 | CES29 = 73 | CES54 = 88 | CES79 = 91 |
| CES05 = 48 | CES30 = 76 | CES55 = 88 | CES80 = 89 |
| CES06 = 50 | CES31 = 77 | CES56 = 81 | CES81 = 80 |
| CES07 = 40 | CES32 = 74 | CES57 = 80 | CES82 = 95 |
| CES08 = 39 | CES33 = 78 | CES58 = 82 | CES83 = 92 |
| CES09 = 29 | CES34 = 84 | CES59 = 91 | CES84 = 92 |
| CES10 = 74 | CES35 = 92 | CES60 = 96 | CES85 = 85 |
| CES11 = 57 | CES36 = 97 | CES61 = 92 | CES86 = 73 |
| CES12 = 63 | CES37 = 89 | CES62 = 90 | CES87 = 85 |
| CES13 = 42 | CES38 = 83 | CES63 = 83 | CES88 = 83 |
| CES14 = 74 | CES39 = 95 | CES64 = 83 | CES89 = 77 |
| CES15 = 71 | CES40 = 91 | CES65 = 77 | CES90 = 82 |
| CES16 = 47 | CES41 = 90 | CES66 = 82 | CES91 = 91 |
| CES17 = 49 | CES42 = 90 | CES67 = 80 | CES92 = 68 |
| CES18 = 56 | CES43 = 86 | CES68 = 83 | CES93 = 82 |
| CES19 = 71 | CES44 = 99 | CES69 = 90 | CES94 = 61 |
| CES20 = 65 | CES45 = 91 | CES70 = 77 | CES95 = 76 |
| CES21 = 86 | CES46 = 87 | CES71 = 77 | CES96 = 82 |
| CES22 = 78 | CES47 = 85 | CES72 = 92 | CES97 = 89 |
| CES23 = 91 | CES48 = 77 | CES73 = 71 | CES98 = 81 |
| CES24 = 90 | CES49 = 87 | CES74 = 97 | CES99 = 70 |
| CES25 = 71 | CES50 = 93 | CES75 = 76 |            |



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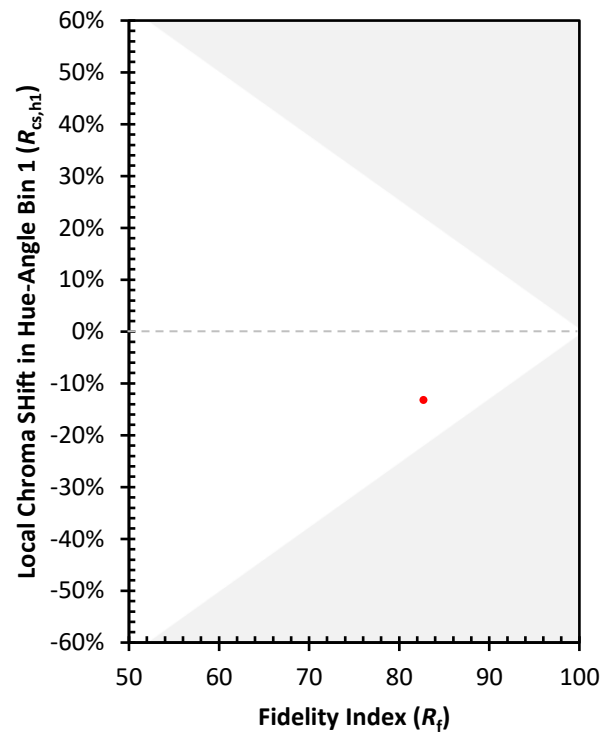
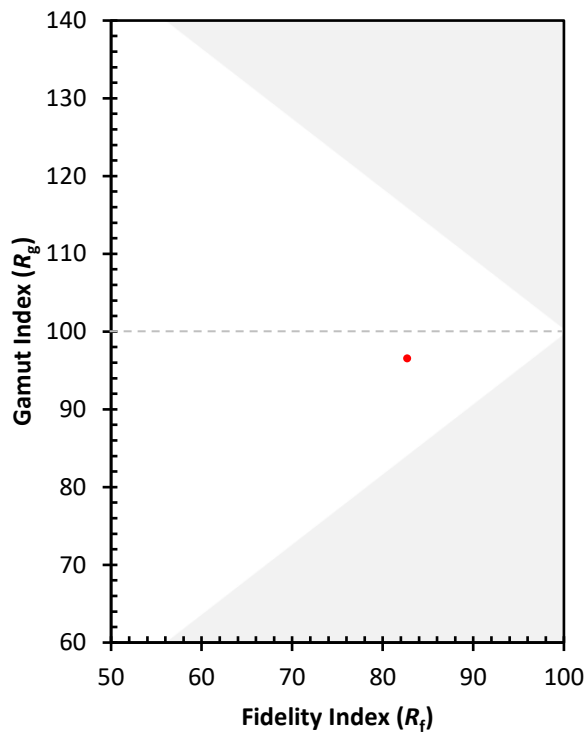
Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)