

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: P822535

Luminaire Tested: **PMM-SA1A-840-U-SLR**

Issue Date: 04/10/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P822535  
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-SA1A-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: 2911.2 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G1

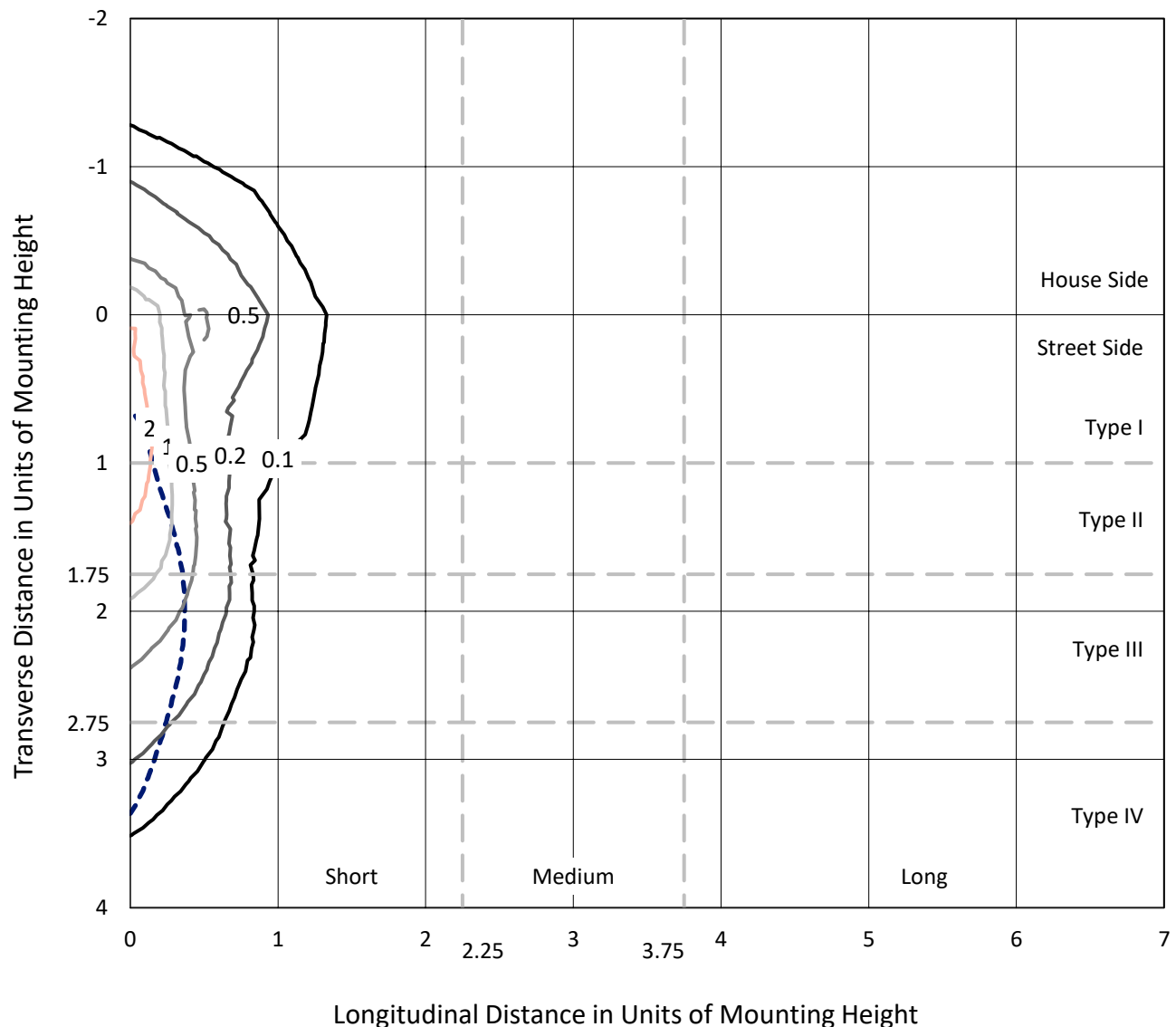
Input Watts (W): 34  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

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## Iso-Footcandle Lines of Horizontal Illumination

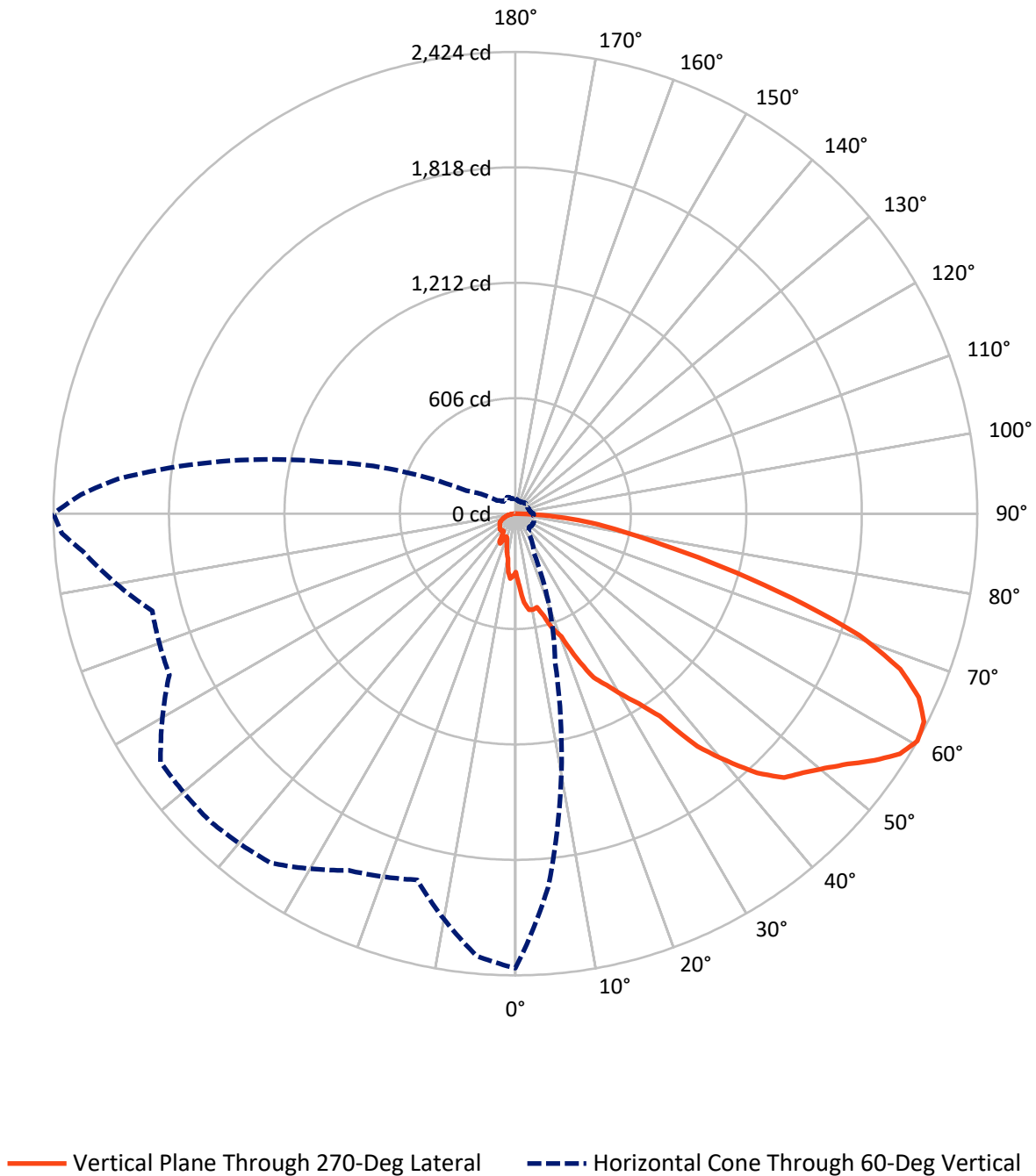
× Max cd  
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.4 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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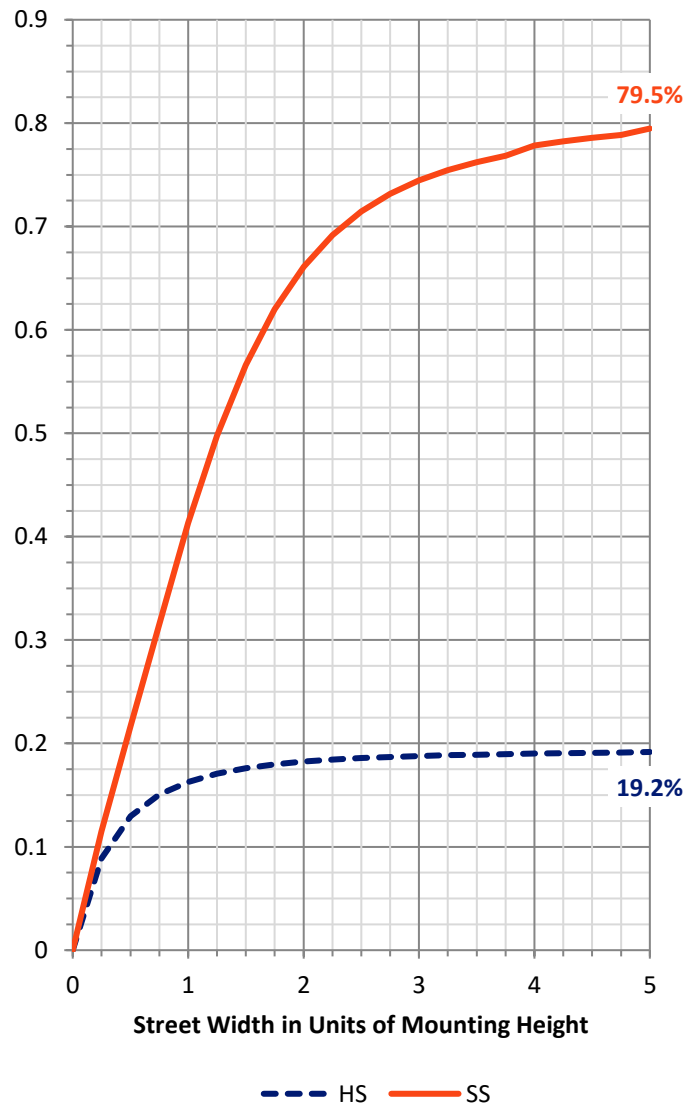
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 563.8    | 0.0    | 563.8  |
|                    | % Fixture | 19.4     | 0.0    | 19.4   |
| <b>Street Side</b> | Lumens    | 2347.4   | 0.0    | 2347.4 |
|                    | % Fixture | 80.6     | 0.0    | 80.6   |
| <b>Total</b>       | Lumens    | 2911.2   | 0.0    | 2911.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 35.2   | 1.2       |
| 10°-20°   | 102.3  | 3.5       |
| 20°-30°   | 180.6  | 6.2       |
| 30°-40°   | 281.2  | 9.7       |
| 40°-50°   | 463.0  | 15.9      |
| 50°-60°   | 660.9  | 22.7      |
| 60°-70°   | 700.8  | 24.1      |
| 70°-80°   | 387.1  | 13.3      |
| 80°-90°   | 100.1  | 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°    | 2911.2 | 100.0     |
| 0°-180°   | 2911.2 | 100.0     |

**Coefficient of Utilization**



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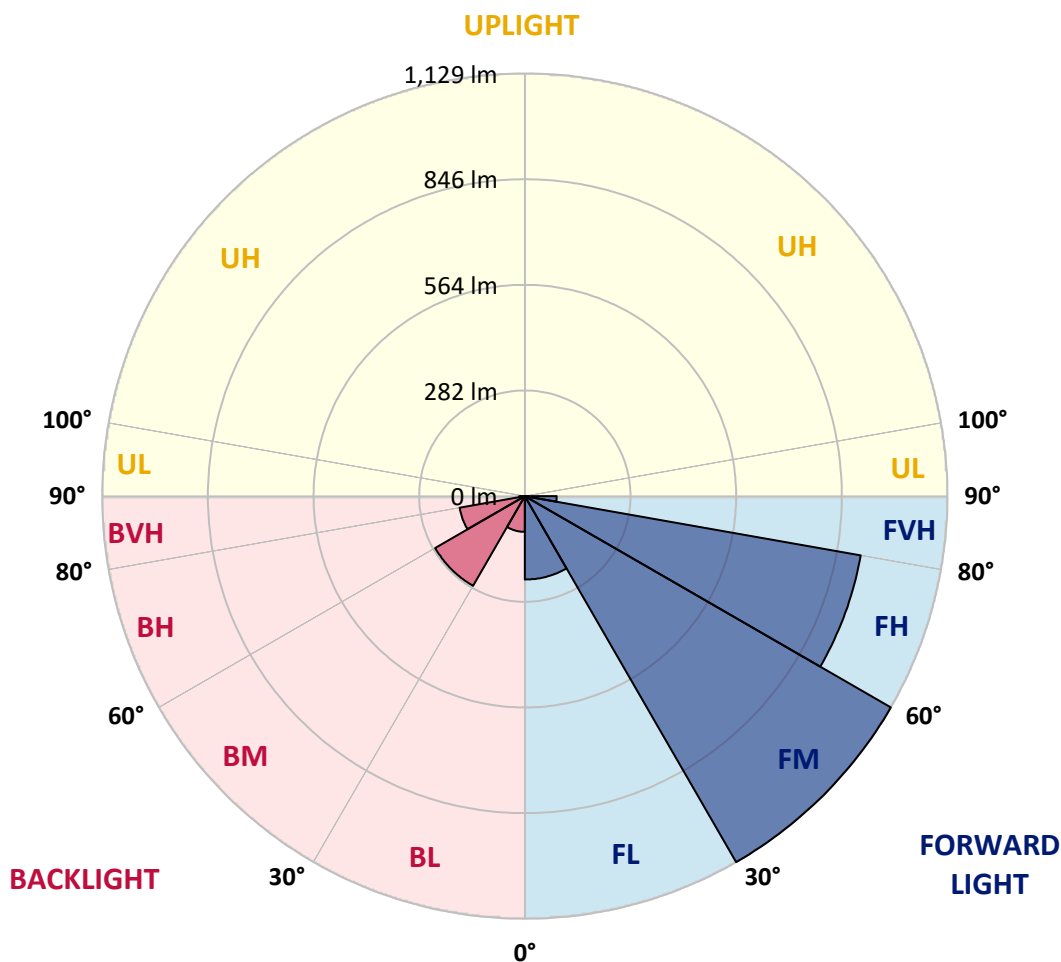
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 222.8  | 7.7       |                         |      |         |
| FM   | (30°-60°)   | 1128.6 | 38.8      |                         |      |         |
| FH   | (60°-80°)   | 910.9  | 31.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 85.1   | 2.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 95.3   | 3.3       | B0/110                  |      |         |
| BM   | (30°-60°)   | 276.6  | 9.5       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 176.9  | 6.1       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 15.0   | 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-G1**

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°     | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 |
| 2.5°   | 411.2  | 413.7  | 416.2  | 411.4  | 406.6  | 401.6  | 396.8 | 389.6 | 382.2 | 375.0 | 367.6 |
| 5°     | 493.9  | 484.5  | 475.1  | 471.2  | 467.5  | 463.8  | 460.0 | 456.4 | 452.9 | 449.2 | 445.7 |
| 7.5°   | 519.8  | 506.5  | 493.0  | 487.4  | 481.7  | 475.9  | 470.2 | 457.5 | 444.8 | 432.0 | 419.3 |
| 10°    | 491.3  | 477.5  | 463.5  | 458.0  | 452.3  | 446.8  | 441.1 | 425.6 | 410.2 | 394.6 | 379.2 |
| 12.5°  | 514.2  | 500.1  | 485.8  | 468.3  | 450.7  | 433.1  | 415.6 | 407.0 | 398.3 | 389.6 | 380.9 |
| 15°    | 536.2  | 517.2  | 498.0  | 480.4  | 462.9  | 445.3  | 427.8 | 410.5 | 393.3 | 376.1 | 358.8 |
| 17.5°  | 616.8  | 585.0  | 553.2  | 521.5  | 489.7  | 458.1  | 426.3 | 406.4 | 386.3 | 366.4 | 346.4 |
| 20°    | 715.0  | 670.8  | 626.4  | 578.4  | 530.2  | 482.2  | 434.0 | 408.8 | 383.8 | 358.6 | 333.5 |
| 22.5°  | 831.9  | 776.1  | 720.2  | 659.6  | 599.0  | 538.3  | 477.6 | 441.1 | 404.7 | 368.1 | 331.7 |
| 25°    | 924.7  | 871.0  | 817.3  | 740.4  | 663.6  | 586.7  | 509.8 | 468.5 | 427.0 | 385.5 | 344.1 |
| 27.5°  | 1014.9 | 929.4  | 843.8  | 755.7  | 667.8  | 579.8  | 491.8 | 453.4 | 415.2 | 376.9 | 338.5 |
| 30°    | 1091.0 | 1023.2 | 955.3  | 840.5  | 725.6  | 610.6  | 495.7 | 448.6 | 401.6 | 354.5 | 307.5 |
| 32.5°  | 1202.5 | 1105.7 | 1008.7 | 888.9  | 769.1  | 649.3  | 529.4 | 469.3 | 409.1 | 348.9 | 288.7 |
| 35°    | 1332.9 | 1232.3 | 1131.7 | 983.5  | 835.4  | 687.2  | 538.9 | 475.2 | 411.4 | 347.6 | 283.7 |
| 37.5°  | 1576.1 | 1398.8 | 1221.3 | 1059.5 | 897.7  | 735.8  | 574.0 | 499.9 | 425.9 | 351.7 | 277.7 |
| 40°    | 1710.2 | 1546.3 | 1382.4 | 1180.7 | 979.1  | 777.3  | 575.7 | 499.9 | 424.1 | 348.3 | 272.5 |
| 42.5°  | 1889.0 | 1681.6 | 1474.3 | 1256.2 | 1038.3 | 820.3  | 602.3 | 518.3 | 434.4 | 350.3 | 266.4 |
| 45°    | 1997.9 | 1766.9 | 1535.7 | 1302.7 | 1069.7 | 836.7  | 603.7 | 518.4 | 433.2 | 348.0 | 262.9 |
| 47.5°  | 2068.1 | 1846.3 | 1624.3 | 1373.4 | 1122.7 | 871.7  | 620.9 | 530.4 | 439.9 | 349.5 | 258.8 |
| 50°    | 2134.7 | 1915.0 | 1695.1 | 1434.7 | 1174.4 | 914.0  | 653.5 | 554.7 | 456.0 | 357.0 | 258.3 |
| 52.5°  | 2216.4 | 2014.0 | 1811.6 | 1532.2 | 1252.7 | 973.3  | 693.8 | 586.3 | 478.7 | 371.2 | 263.7 |
| 55°    | 2335.2 | 2135.8 | 1936.3 | 1636.5 | 1336.4 | 1036.6 | 736.6 | 617.2 | 498.0 | 378.6 | 259.2 |
| 57.5°  | 2412.2 | 2210.0 | 2007.8 | 1702.0 | 1396.2 | 1090.3 | 784.6 | 652.3 | 520.0 | 387.6 | 255.3 |
| 60°    | 2386.6 | 2178.1 | 1969.4 | 1677.8 | 1386.3 | 1094.9 | 803.3 | 660.4 | 517.7 | 374.9 | 232.0 |
| 62.5°  | 2273.6 | 2051.9 | 1830.2 | 1569.0 | 1308.0 | 1046.9 | 785.8 | 640.5 | 495.4 | 350.2 | 204.9 |
| 65°    | 2115.6 | 1886.4 | 1657.1 | 1421.5 | 1186.0 | 950.4  | 714.8 | 583.0 | 451.1 | 319.2 | 187.3 |
| 67.5°  | 1921.7 | 1682.8 | 1443.7 | 1235.1 | 1026.6 | 817.9  | 609.3 | 499.1 | 389.0 | 278.8 | 168.6 |
| 70°    | 1678.5 | 1443.7 | 1208.9 | 1028.4 | 848.0  | 667.5  | 487.0 | 404.1 | 321.3 | 238.4 | 155.4 |
| 72.5°  | 1349.1 | 1146.6 | 943.9  | 801.9  | 659.9  | 517.9  | 375.9 | 318.2 | 260.7 | 203.1 | 145.4 |
| 75°    | 959.6  | 840.5  | 721.3  | 610.8  | 500.3  | 389.8  | 279.2 | 241.9 | 204.6 | 167.3 | 130.0 |
| 77.5°  | 682.0  | 611.7  | 541.5  | 454.8  | 368.2  | 281.6  | 195.0 | 173.1 | 151.4 | 129.4 | 107.6 |
| 80°    | 504.2  | 445.5  | 386.9  | 321.6  | 256.3  | 191.1  | 125.8 | 115.0 | 104.4 | 93.7  | 82.9  |
| 82.5°  | 331.9  | 305.5  | 278.9  | 227.2  | 175.5  | 123.8  | 72.1  | 68.1  | 64.2  | 60.2  | 56.3  |
| 85°    | 148.7  | 157.0  | 165.2  | 133.5  | 101.7  | 70.0   | 38.3  | 36.5  | 34.6  | 32.8  | 30.9  |
| 87.5°  | 14.3   | 21.0   | 27.8   | 23.9   | 19.8   | 15.8   | 11.7  | 11.6  | 11.6  | 11.4  | 11.3  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 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°     | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 |
| 2.5°   | 369.7 | 371.6 | 373.6 | 375.6 | 373.4 | 371.3 | 369.1 | 367.0 | 364.3 | 361.6 | 358.8 |
| 5°     | 439.7 | 433.7 | 427.8 | 421.6 | 412.6 | 403.5 | 394.4 | 385.3 | 384.2 | 382.9 | 381.8 |
| 7.5°   | 408.1 | 397.1 | 385.9 | 374.7 | 360.6 | 346.6 | 332.5 | 318.4 | 314.2 | 309.9 | 305.7 |
| 10°    | 371.6 | 364.0 | 356.5 | 348.9 | 340.1 | 331.4 | 322.5 | 313.7 | 302.1 | 290.4 | 278.8 |
| 12.5°  | 368.5 | 356.1 | 343.5 | 331.1 | 325.7 | 320.3 | 315.0 | 309.6 | 299.4 | 289.3 | 278.9 |
| 15°    | 348.7 | 338.5 | 328.5 | 318.4 | 310.6 | 302.8 | 295.1 | 287.3 | 279.1 | 270.8 | 262.5 |
| 17.5°  | 334.8 | 323.2 | 311.6 | 299.9 | 291.1 | 282.2 | 273.1 | 264.2 | 254.4 | 244.3 | 234.4 |
| 20°    | 320.2 | 307.1 | 293.8 | 280.5 | 269.2 | 258.0 | 246.7 | 235.5 | 224.5 | 213.8 | 202.9 |
| 22.5°  | 314.2 | 296.9 | 279.5 | 262.1 | 250.3 | 238.2 | 226.4 | 214.3 | 204.3 | 194.3 | 184.2 |
| 25°    | 323.3 | 302.6 | 281.9 | 261.1 | 245.1 | 229.1 | 213.1 | 196.9 | 188.6 | 180.3 | 171.8 |
| 27.5°  | 312.7 | 286.7 | 260.8 | 234.9 | 217.7 | 200.5 | 183.4 | 166.2 | 164.9 | 163.6 | 162.2 |
| 30°    | 280.2 | 252.9 | 225.7 | 198.4 | 182.7 | 166.9 | 151.2 | 135.4 | 132.4 | 129.3 | 126.3 |
| 32.5°  | 260.8 | 233.0 | 205.2 | 177.3 | 163.4 | 149.3 | 135.2 | 121.1 | 117.7 | 114.3 | 110.9 |
| 35°    | 253.5 | 223.3 | 193.0 | 162.8 | 150.8 | 138.7 | 126.7 | 114.7 | 112.3 | 110.1 | 107.6 |
| 37.5°  | 247.6 | 217.6 | 187.5 | 157.4 | 145.8 | 134.2 | 122.5 | 110.9 | 109.1 | 107.2 | 105.4 |
| 40°    | 241.9 | 211.6 | 181.0 | 150.5 | 140.2 | 130.0 | 119.7 | 109.4 | 108.2 | 107.1 | 105.9 |
| 42.5°  | 236.8 | 207.3 | 177.6 | 148.1 | 138.9 | 129.8 | 120.7 | 111.5 | 110.3 | 109.2 | 108.1 |
| 45°    | 234.0 | 205.2 | 176.3 | 147.5 | 140.9 | 134.2 | 127.5 | 120.8 | 118.1 | 115.5 | 112.6 |
| 47.5°  | 231.9 | 204.9 | 177.9 | 150.9 | 144.0 | 137.1 | 130.2 | 123.2 | 120.8 | 118.4 | 115.9 |
| 50°    | 232.3 | 206.4 | 180.5 | 154.5 | 146.1 | 137.7 | 129.3 | 120.8 | 120.5 | 120.2 | 120.0 |
| 52.5°  | 236.1 | 208.7 | 181.1 | 153.6 | 144.6 | 135.6 | 126.3 | 117.3 | 119.2 | 120.8 | 122.7 |
| 55°    | 230.6 | 202.1 | 173.4 | 144.8 | 136.2 | 127.7 | 119.2 | 110.5 | 112.9 | 115.2 | 117.6 |
| 57.5°  | 224.4 | 193.4 | 162.5 | 131.5 | 125.0 | 118.6 | 111.9 | 105.4 | 108.0 | 110.7 | 113.2 |
| 60°    | 203.8 | 175.5 | 147.2 | 119.0 | 114.6 | 110.2 | 105.9 | 101.5 | 102.6 | 103.7 | 104.9 |
| 62.5°  | 181.1 | 157.2 | 133.5 | 109.7 | 106.3 | 102.8 | 99.3  | 95.8  | 95.8  | 95.9  | 95.9  |
| 65°    | 166.8 | 146.2 | 125.8 | 105.3 | 101.5 | 97.6  | 93.7  | 89.9  | 89.3  | 88.7  | 88.2  |
| 67.5°  | 152.3 | 136.2 | 120.0 | 103.7 | 98.2  | 92.8  | 87.3  | 81.8  | 81.1  | 80.6  | 79.8  |
| 70°    | 141.0 | 126.6 | 112.2 | 97.8  | 91.6  | 85.5  | 79.3  | 73.1  | 72.5  | 72.1  | 71.5  |
| 72.5°  | 131.9 | 118.4 | 104.9 | 91.3  | 84.8  | 78.1  | 71.6  | 65.0  | 64.6  | 64.2  | 63.6  |
| 75°    | 118.0 | 106.1 | 94.1  | 82.1  | 75.8  | 69.5  | 63.2  | 56.8  | 56.3  | 55.8  | 55.2  |
| 77.5°  | 97.6  | 87.6  | 77.7  | 67.7  | 62.7  | 57.9  | 53.0  | 48.0  | 47.8  | 47.5  | 47.1  |
| 80°    | 75.2  | 67.4  | 59.5  | 51.7  | 48.4  | 45.1  | 41.8  | 38.4  | 38.3  | 38.2  | 37.8  |
| 82.5°  | 51.5  | 46.9  | 42.2  | 37.6  | 35.1  | 32.6  | 30.3  | 27.7  | 27.8  | 28.0  | 28.1  |
| 85°    | 29.4  | 27.7  | 26.2  | 24.5  | 22.5  | 20.6  | 18.7  | 16.6  | 17.1  | 17.5  | 17.8  |
| 87.5°  | 10.8  | 10.2  | 9.6   | 9.1   | 8.1   | 7.2   | 6.2   | 5.2   | 5.5   | 6.0   | 6.2   |
| 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: P822535

CATALOG NUMBER: PMM-SA1A-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   |



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CATALOG NUMBER: PMM-SA1A-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 55°   | 57.5° | 60°   | 62.5° | 65°   | 67.5° | 70°   | 72.5° | 75°   | 77.5° | 80°   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°     | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 |
| 2.5°   | 356.1 | 351.8 | 347.6 | 343.3 | 339.1 | 330.4 | 321.7 | 313.0 | 304.2 | 309.6 | 315.1 |
| 5°     | 380.5 | 373.4 | 366.0 | 358.8 | 351.4 | 347.3 | 343.3 | 339.1 | 335.0 | 337.1 | 339.4 |
| 7.5°   | 301.4 | 297.2 | 292.8 | 288.5 | 284.1 | 282.3 | 280.6 | 278.8 | 277.0 | 282.2 | 287.4 |
| 10°    | 267.1 | 261.1 | 255.2 | 249.2 | 243.2 | 239.7 | 236.1 | 232.6 | 229.1 | 230.5 | 231.9 |
| 12.5°  | 268.8 | 260.0 | 251.3 | 242.5 | 233.7 | 228.5 | 223.3 | 218.0 | 212.8 | 214.1 | 215.4 |
| 15°    | 254.2 | 245.1 | 236.1 | 227.0 | 218.0 | 212.0 | 205.8 | 199.6 | 193.4 | 191.3 | 189.0 |
| 17.5°  | 224.4 | 214.5 | 204.6 | 194.8 | 184.8 | 180.7 | 176.6 | 172.6 | 168.4 | 166.2 | 163.9 |
| 20°    | 192.1 | 182.8 | 173.6 | 164.5 | 155.3 | 152.5 | 149.7 | 146.7 | 143.9 | 142.4 | 140.9 |
| 22.5°  | 174.2 | 168.6 | 162.8 | 157.2 | 151.4 | 148.1 | 145.0 | 141.7 | 138.5 | 136.9 | 135.2 |
| 25°    | 163.5 | 164.6 | 165.9 | 167.0 | 168.2 | 166.8 | 165.2 | 163.8 | 162.2 | 162.8 | 163.2 |
| 27.5°  | 160.9 | 163.4 | 165.9 | 168.3 | 170.7 | 172.0 | 173.2 | 174.5 | 175.7 | 176.2 | 176.6 |
| 30°    | 123.2 | 124.5 | 125.6 | 126.9 | 128.0 | 131.5 | 135.0 | 138.5 | 142.0 | 147.5 | 153.2 |
| 32.5°  | 107.6 | 107.1 | 106.7 | 106.1 | 105.7 | 106.5 | 107.4 | 108.1 | 109.0 | 110.9 | 113.0 |
| 35°    | 105.3 | 104.3 | 103.2 | 102.2 | 101.0 | 101.5 | 101.9 | 102.3 | 102.8 | 104.3 | 105.9 |
| 37.5°  | 103.6 | 103.2 | 102.8 | 102.4 | 102.0 | 103.0 | 103.9 | 104.9 | 105.7 | 107.0 | 108.2 |
| 40°    | 104.7 | 104.5 | 104.4 | 104.1 | 104.0 | 104.5 | 105.1 | 105.7 | 106.3 | 108.0 | 109.7 |
| 42.5°  | 107.0 | 107.0 | 106.8 | 106.8 | 106.7 | 107.2 | 107.6 | 108.2 | 108.6 | 109.7 | 110.7 |
| 45°    | 109.9 | 109.7 | 109.5 | 109.2 | 109.0 | 108.8 | 108.8 | 108.6 | 108.6 | 109.1 | 109.8 |
| 47.5°  | 113.4 | 112.5 | 111.3 | 110.3 | 109.2 | 109.0 | 108.6 | 108.2 | 107.8 | 108.1 | 108.4 |
| 50°    | 119.7 | 117.0 | 114.4 | 111.8 | 109.1 | 108.4 | 107.6 | 107.0 | 106.3 | 106.1 | 106.1 |
| 52.5°  | 124.4 | 120.4 | 116.5 | 112.5 | 108.6 | 107.2 | 106.0 | 104.7 | 103.4 | 103.2 | 103.0 |
| 55°    | 119.8 | 116.9 | 114.0 | 111.1 | 108.1 | 106.3 | 104.3 | 102.4 | 100.5 | 100.1 | 99.6  |
| 57.5°  | 115.7 | 113.9 | 112.1 | 110.2 | 108.4 | 106.5 | 104.5 | 102.8 | 100.7 | 99.7  | 98.8  |
| 60°    | 106.0 | 106.0 | 106.1 | 106.1 | 106.1 | 104.1 | 102.2 | 100.2 | 98.2  | 97.2  | 96.4  |
| 62.5°  | 95.9  | 97.5  | 98.9  | 100.5 | 101.9 | 99.2  | 96.4  | 93.7  | 90.8  | 90.1  | 89.6  |
| 65°    | 87.6  | 88.0  | 88.6  | 89.1  | 89.5  | 87.3  | 85.2  | 83.1  | 81.0  | 80.6  | 80.0  |
| 67.5°  | 79.1  | 79.0  | 78.9  | 78.5  | 78.5  | 77.1  | 75.8  | 74.5  | 73.1  | 72.5  | 71.9  |
| 70°    | 71.0  | 70.8  | 70.6  | 70.4  | 70.2  | 69.1  | 67.9  | 66.9  | 65.7  | 65.3  | 64.8  |
| 72.5°  | 63.2  | 63.0  | 62.7  | 62.6  | 62.3  | 61.3  | 60.5  | 59.5  | 58.5  | 57.9  | 57.3  |
| 75°    | 54.7  | 54.4  | 54.2  | 53.8  | 53.6  | 52.7  | 51.9  | 50.9  | 50.0  | 49.4  | 48.9  |
| 77.5°  | 46.8  | 46.3  | 45.9  | 45.3  | 44.9  | 44.2  | 43.4  | 42.6  | 41.8  | 41.1  | 40.5  |
| 80°    | 37.8  | 37.4  | 37.2  | 36.7  | 36.5  | 35.7  | 35.1  | 34.2  | 33.5  | 32.6  | 32.0  |
| 82.5°  | 28.3  | 28.1  | 27.8  | 27.7  | 27.4  | 26.7  | 26.0  | 25.3  | 24.6  | 23.7  | 22.9  |
| 85°    | 18.2  | 18.1  | 17.9  | 17.8  | 17.7  | 17.1  | 16.6  | 16.1  | 15.6  | 14.7  | 14.0  |
| 87.5°  | 6.5   | 6.2   | 6.1   | 5.8   | 5.5   | 5.4   | 5.0   | 5.0   | 4.6   | 4.2   | 3.8   |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |
| 110°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



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 CATALOG NUMBER: PMM-SA1A-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 |



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CATALOG NUMBER: PMM-SA1A-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 82.5° | 85°   | 87.5° | 90°   | 92.5° | 95°   | 97.5° | 100°  | 102.5° | 105°  | 107.5° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 0°     | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1 | 307.1  | 307.1 | 307.1  |
| 2.5°   | 320.5 | 325.8 | 326.0 | 326.0 | 328.5 | 330.9 | 326.0 | 321.1 | 315.9  | 311.0 | 306.1  |
| 5°     | 341.6 | 343.7 | 343.1 | 342.4 | 339.3 | 336.2 | 332.9 | 329.6 | 326.4  | 323.2 | 323.3  |
| 7.5°   | 292.6 | 297.8 | 302.1 | 306.2 | 302.2 | 298.3 | 296.2 | 294.1 | 292.0  | 289.8 | 289.5  |
| 10°    | 233.2 | 234.5 | 236.3 | 237.8 | 235.5 | 232.8 | 237.1 | 241.3 | 245.5  | 249.7 | 245.0  |
| 12.5°  | 216.6 | 217.9 | 214.9 | 211.8 | 210.8 | 209.8 | 208.9 | 207.7 | 206.7  | 205.6 | 205.0  |
| 15°    | 186.9 | 184.7 | 182.4 | 180.0 | 179.4 | 178.8 | 178.0 | 177.2 | 176.5  | 175.7 | 173.1  |
| 17.5°  | 161.6 | 159.4 | 155.6 | 151.6 | 150.1 | 148.3 | 147.9 | 147.5 | 147.0  | 146.6 | 144.1  |
| 20°    | 139.5 | 137.9 | 136.9 | 135.8 | 134.2 | 132.7 | 131.1 | 129.6 | 127.9  | 126.3 | 124.0  |
| 22.5°  | 133.7 | 131.9 | 130.7 | 129.3 | 129.0 | 128.7 | 125.9 | 122.9 | 120.1  | 117.1 | 115.9  |
| 25°    | 163.8 | 164.2 | 156.4 | 148.5 | 147.8 | 147.1 | 142.0 | 136.8 | 131.7  | 126.5 | 122.1  |
| 27.5°  | 176.9 | 177.3 | 177.1 | 176.8 | 174.5 | 172.1 | 163.5 | 154.7 | 146.1  | 137.3 | 131.1  |
| 30°    | 158.7 | 164.2 | 166.3 | 168.4 | 166.9 | 165.2 | 156.2 | 147.2 | 138.2  | 129.2 | 125.0  |
| 32.5°  | 115.0 | 117.0 | 120.5 | 123.9 | 125.8 | 127.5 | 124.6 | 121.8 | 119.0  | 116.1 | 115.5  |
| 35°    | 107.2 | 108.8 | 109.5 | 110.2 | 109.1 | 108.0 | 105.9 | 103.7 | 101.5  | 99.3  | 98.9   |
| 37.5°  | 109.4 | 110.7 | 112.1 | 113.4 | 110.3 | 107.1 | 104.7 | 102.4 | 100.1  | 97.6  | 95.7   |
| 40°    | 111.3 | 113.0 | 113.9 | 114.7 | 111.7 | 108.6 | 105.5 | 102.8 | 99.7   | 96.8  | 94.9   |
| 42.5°  | 111.7 | 112.6 | 114.2 | 115.7 | 111.3 | 106.8 | 104.1 | 101.3 | 98.6   | 95.8  | 93.8   |
| 45°    | 110.3 | 110.9 | 112.3 | 113.8 | 108.6 | 103.4 | 101.0 | 98.5  | 96.1   | 93.5  | 91.8   |
| 47.5°  | 108.6 | 108.8 | 109.9 | 110.9 | 105.5 | 100.1 | 97.8  | 95.5  | 93.1   | 90.8  | 89.1   |
| 50°    | 106.0 | 105.9 | 106.7 | 107.4 | 101.9 | 96.4  | 94.1  | 92.0  | 89.7   | 87.5  | 86.0   |
| 52.5°  | 102.8 | 102.4 | 103.3 | 104.0 | 98.2  | 92.4  | 90.4  | 88.6  | 86.6   | 84.7  | 83.5   |
| 55°    | 99.1  | 98.6  | 99.3  | 100.1 | 94.4  | 88.6  | 86.9  | 85.1  | 83.3   | 81.6  | 80.6   |
| 57.5°  | 97.6  | 96.6  | 97.0  | 97.5  | 91.2  | 84.8  | 83.1  | 81.4  | 79.7   | 78.0  | 77.3   |
| 60°    | 95.4  | 94.4  | 94.9  | 95.1  | 88.3  | 81.4  | 79.8  | 78.1  | 76.6   | 74.9  | 74.2   |
| 62.5°  | 88.9  | 88.2  | 88.7  | 89.3  | 83.2  | 77.0  | 75.6  | 74.3  | 72.9   | 71.5  | 70.6   |
| 65°    | 79.5  | 79.0  | 80.1  | 81.2  | 76.0  | 70.8  | 70.0  | 69.1  | 68.1   | 67.3  | 66.3   |
| 67.5°  | 71.4  | 70.8  | 71.9  | 73.1  | 69.2  | 65.4  | 64.6  | 63.7  | 62.9   | 62.1  | 61.5   |
| 70°    | 64.4  | 64.0  | 65.0  | 66.0  | 62.7  | 59.5  | 58.6  | 57.9  | 57.1   | 56.3  | 55.8   |
| 72.5°  | 56.7  | 56.1  | 57.3  | 58.5  | 55.8  | 53.0  | 52.3  | 51.5  | 50.7   | 49.9  | 49.6   |
| 75°    | 48.4  | 47.8  | 48.9  | 49.9  | 48.0  | 46.1  | 45.3  | 44.7  | 44.0   | 43.2  | 43.1   |
| 77.5°  | 39.9  | 39.1  | 40.3  | 41.3  | 40.1  | 38.8  | 38.3  | 37.6  | 37.0   | 36.3  | 36.3   |
| 80°    | 31.1  | 30.3  | 31.1  | 31.8  | 31.4  | 30.9  | 30.5  | 29.9  | 29.5   | 28.9  | 29.1   |
| 82.5°  | 22.0  | 21.2  | 21.6  | 22.0  | 22.4  | 22.6  | 22.6  | 22.6  | 22.6   | 22.6  | 22.6   |
| 85°    | 13.1  | 12.3  | 12.4  | 12.6  | 13.0  | 13.5  | 13.5  | 13.7  | 13.9   | 14.0  | 14.1   |
| 87.5°  | 3.4   | 2.9   | 2.7   | 2.3   | 2.7   | 2.9   | 3.3   | 3.4   | 3.7    | 3.8   | 3.8    |
| 90°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 92.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 95°    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 97.5°  | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 100°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 102.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 105°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 107.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |
| 110°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0   | 0.0    |



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CATALOG NUMBER: PMM-SA1A-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    |



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CATALOG NUMBER: PMM-SA1A-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 110°  | 112.5° | 115°  | 117.5° | 120°  | 122.5° | 125°  | 127.5° | 130°  | 132.5° | 135°  |
|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|
| 0°     | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 |
| 2.5°   | 301.1 | 296.0  | 291.1 | 294.2  | 297.2 | 300.3  | 303.2 | 303.4  | 303.4 | 303.5  | 303.5 |
| 5°     | 323.6 | 323.7  | 323.8 | 320.9  | 318.1 | 315.1  | 312.1 | 310.6  | 309.0 | 307.3  | 305.8 |
| 7.5°   | 289.1 | 288.8  | 288.4 | 285.6  | 282.7 | 279.9  | 277.1 | 270.3  | 263.4 | 256.6  | 249.7 |
| 10°    | 240.2 | 235.5  | 230.7 | 229.6  | 228.6 | 227.5  | 226.4 | 224.5  | 222.8 | 221.0  | 219.1 |
| 12.5°  | 204.5 | 203.9  | 203.3 | 200.4  | 197.4 | 194.3  | 191.3 | 191.3  | 191.3 | 191.3  | 191.3 |
| 15°    | 170.5 | 167.8  | 165.2 | 163.8  | 162.2 | 160.8  | 159.3 | 158.5  | 157.8 | 157.2  | 156.4 |
| 17.5°  | 141.6 | 139.2  | 136.6 | 136.4  | 136.1 | 135.8  | 135.6 | 134.8  | 134.1 | 133.4  | 132.7 |
| 20°    | 121.8 | 119.6  | 117.3 | 118.1  | 119.0 | 119.7  | 120.5 | 119.8  | 119.2 | 118.2  | 117.6 |
| 22.5°  | 114.4 | 113.2  | 111.8 | 111.1  | 110.3 | 109.5  | 108.8 | 108.8  | 109.0 | 109.0  | 109.0 |
| 25°    | 117.8 | 113.4  | 109.1 | 107.0  | 104.9 | 102.6  | 100.5 | 99.6   | 98.9  | 98.0   | 97.2  |
| 27.5°  | 124.9 | 118.6  | 112.3 | 108.6  | 105.0 | 101.3  | 97.6  | 96.1   | 94.4  | 92.8   | 91.2  |
| 30°    | 120.8 | 116.7  | 112.5 | 108.2  | 104.0 | 99.7   | 95.5  | 93.5   | 91.6  | 89.5   | 87.5  |
| 32.5°  | 114.7 | 113.9  | 113.2 | 109.2  | 105.3 | 101.2  | 97.2  | 96.4   | 95.7  | 94.9   | 93.9  |
| 35°    | 98.4  | 98.0   | 97.4  | 96.4   | 95.4  | 94.4   | 93.4  | 92.2   | 91.2  | 90.0   | 88.9  |
| 37.5°  | 93.8  | 91.8   | 89.9  | 89.5   | 89.1  | 88.6   | 88.2  | 87.8   | 87.3  | 86.8   | 86.4  |
| 40°    | 92.8  | 90.8   | 88.9  | 88.2   | 87.5  | 86.6   | 85.9  | 86.0   | 86.4  | 86.4   | 86.6  |
| 42.5°  | 91.7  | 89.7   | 87.6  | 87.0   | 86.4  | 85.9   | 85.4  | 85.5   | 85.8  | 85.9   | 86.0  |
| 45°    | 90.3  | 88.6   | 86.9  | 85.9   | 85.1  | 84.1   | 83.1  | 83.9   | 84.8  | 85.5   | 86.4  |
| 47.5°  | 87.5  | 85.6   | 83.9  | 83.3   | 82.8  | 82.1   | 81.6  | 82.4   | 83.2  | 83.9   | 84.8  |
| 50°    | 84.5  | 83.1   | 81.6  | 81.4   | 81.2  | 81.0   | 80.8  | 81.4   | 82.0  | 82.5   | 83.1  |
| 52.5°  | 82.2  | 81.1   | 79.8  | 79.8   | 79.7  | 79.7   | 79.5  | 80.1   | 80.7  | 81.1   | 81.7  |
| 55°    | 79.7  | 78.7   | 77.7  | 77.9   | 78.1  | 78.3   | 78.5  | 79.0   | 79.7  | 80.2   | 80.8  |
| 57.5°  | 76.4  | 75.8   | 74.9  | 75.4   | 75.8  | 76.4   | 76.9  | 77.3   | 77.9  | 78.3   | 78.7  |
| 60°    | 73.3  | 72.7   | 71.8  | 72.3   | 73.1  | 73.6   | 74.2  | 74.6   | 75.0  | 75.4   | 75.8  |
| 62.5°  | 69.5  | 68.4   | 67.4  | 68.3   | 69.0  | 69.8   | 70.6  | 70.8   | 71.2  | 71.5   | 71.8  |
| 65°    | 65.4  | 64.4   | 63.4  | 64.0   | 64.6  | 65.0   | 65.6  | 66.0   | 66.4  | 66.9   | 67.3  |
| 67.5°  | 60.8  | 60.2   | 59.5  | 59.9   | 60.4  | 60.8   | 61.2  | 61.3   | 61.3  | 61.5   | 61.5  |
| 70°    | 55.2  | 54.8   | 54.2  | 54.6   | 55.0  | 55.2   | 55.5  | 55.5   | 55.5  | 55.4   | 55.4  |
| 72.5°  | 49.4  | 49.2   | 48.9  | 49.0   | 49.3  | 49.4   | 49.6  | 49.4   | 49.3  | 49.2   | 49.0  |
| 75°    | 43.0  | 42.8   | 42.6  | 42.8   | 43.1  | 43.2   | 43.4  | 43.2   | 43.0  | 42.8   | 42.5  |
| 77.5°  | 36.5  | 36.5   | 36.5  | 36.5   | 36.6  | 36.6   | 36.6  | 36.3   | 36.1  | 35.7   | 35.5  |
| 80°    | 29.3  | 29.4   | 29.5  | 29.5   | 29.5  | 29.5   | 29.5  | 29.3   | 28.9  | 28.5   | 28.3  |
| 82.5°  | 22.6  | 22.6   | 22.6  | 22.6   | 22.8  | 22.8   | 22.8  | 22.0   | 21.4  | 20.8   | 20.1  |
| 85°    | 14.1  | 14.3   | 14.3  | 14.4   | 14.5  | 14.5   | 14.7  | 13.7   | 12.9  | 11.9   | 10.8  |
| 87.5°  | 3.8   | 3.8    | 3.8   | 3.8    | 3.8   | 3.7    | 3.7   | 2.9    | 1.8   | 1.0    | 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   |



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 CATALOG NUMBER: PMM-SA1A-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  |



REPORT NUMBER: P822535

CATALOG NUMBER: PMM-SA1A-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 137.5° | 140°  | 142.5° | 145°  | 147.5° | 150°  | 152.5° | 155°  | 157.5° | 160°  | 162.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  |
| 2.5°   | 304.4  | 305.2 | 305.9  | 306.8 | 306.9  | 307.1 | 307.1  | 307.2 | 304.2  | 301.3 | 298.2  |
| 5°     | 307.9  | 309.9 | 312.0  | 314.0 | 313.6  | 313.2 | 312.7  | 312.3 | 311.5  | 310.7 | 309.9  |
| 7.5°   | 248.1  | 246.7 | 245.1  | 243.6 | 244.9  | 246.1 | 247.4  | 248.7 | 249.2  | 249.8 | 250.3  |
| 10°    | 215.6  | 212.1 | 208.5  | 205.0 | 203.1  | 201.0 | 199.0  | 196.9 | 196.5  | 196.4 | 196.1  |
| 12.5°  | 187.7  | 183.8 | 180.2  | 176.3 | 175.2  | 174.0 | 172.8  | 171.5 | 172.6  | 173.8 | 174.8  |
| 15°    | 154.9  | 153.5 | 151.9  | 150.4 | 151.6  | 152.9 | 154.1  | 155.4 | 156.6  | 157.6 | 158.7  |
| 17.5°  | 131.9  | 131.4 | 130.7  | 130.0 | 131.1  | 132.4 | 133.5  | 134.6 | 137.2  | 139.8 | 142.3  |
| 20°    | 117.0  | 116.5 | 116.0  | 115.5 | 115.0  | 114.4 | 114.0  | 113.4 | 117.1  | 120.7 | 124.4  |
| 22.5°  | 108.1  | 107.2 | 106.4  | 105.5 | 105.7  | 105.9 | 105.9  | 106.0 | 109.0  | 112.1 | 115.0  |
| 25°    | 97.0   | 96.6  | 96.4   | 96.1  | 97.0   | 97.8  | 98.5   | 99.3  | 102.0  | 104.7 | 107.2  |
| 27.5°  | 91.3   | 91.4  | 91.6   | 91.7  | 92.8   | 94.1  | 95.3   | 96.4  | 98.2   | 100.1 | 101.9  |
| 30°    | 88.2   | 89.1  | 89.7   | 90.4  | 90.8   | 91.3  | 91.7   | 92.2  | 93.9   | 95.7  | 97.5   |
| 32.5°  | 92.8   | 91.7  | 90.4   | 89.3  | 89.9   | 90.6  | 91.2   | 91.7  | 93.4   | 95.1  | 96.8   |
| 35°    | 88.5   | 87.9  | 87.5   | 86.9  | 87.6   | 88.3  | 88.9   | 89.6  | 91.2   | 92.6  | 94.1   |
| 37.5°  | 86.2   | 86.0  | 85.9   | 85.8  | 86.2   | 86.6  | 86.9   | 87.3  | 88.7   | 90.1  | 91.4   |
| 40°    | 86.0   | 85.4  | 84.8   | 84.1  | 84.5   | 84.9  | 85.2   | 85.6  | 87.3   | 89.1  | 90.7   |
| 42.5°  | 85.2   | 84.3  | 83.3   | 82.5  | 82.9   | 83.5  | 83.9   | 84.3  | 86.2   | 87.9  | 89.7   |
| 45°    | 85.1   | 83.8  | 82.4   | 81.1  | 81.7   | 82.2  | 82.8   | 83.3  | 84.8   | 86.2  | 87.5   |
| 47.5°  | 83.5   | 82.2  | 81.0   | 79.7  | 80.0   | 80.2  | 80.4   | 80.7  | 82.0   | 83.1  | 84.3   |
| 50°    | 82.2   | 81.2  | 80.4   | 79.4  | 79.0   | 78.7  | 78.3   | 77.9  | 78.9   | 79.8  | 80.8   |
| 52.5°  | 80.7   | 79.7  | 78.5   | 77.6  | 77.0   | 76.4  | 75.8   | 75.3  | 76.2   | 76.9  | 77.7   |
| 55°    | 79.7   | 78.5  | 77.3   | 76.0  | 75.3   | 74.6  | 73.9   | 73.2  | 73.7   | 74.2  | 74.8   |
| 57.5°  | 77.6   | 76.4  | 75.2   | 74.1  | 73.2   | 72.3  | 71.4   | 70.6  | 70.8   | 71.1  | 71.4   |
| 60°    | 74.8   | 73.5  | 72.3   | 71.1  | 70.0   | 69.1  | 67.9   | 67.0  | 67.1   | 67.4  | 67.5   |
| 62.5°  | 70.6   | 69.5  | 68.3   | 67.1  | 66.0   | 65.0  | 63.9   | 62.7  | 63.0   | 63.2  | 63.4   |
| 65°    | 66.1   | 64.8  | 63.7   | 62.5  | 61.5   | 60.5  | 59.4   | 58.4  | 58.6   | 58.9  | 59.0   |
| 67.5°  | 60.6   | 59.6  | 58.8   | 57.8  | 56.9   | 55.9  | 55.1   | 54.2  | 54.2   | 54.4  | 54.6   |
| 70°    | 54.7   | 53.8  | 53.1   | 52.3  | 51.5   | 50.9  | 50.2   | 49.4  | 49.4   | 49.6  | 49.6   |
| 72.5°  | 48.4   | 47.6  | 46.9   | 46.2  | 45.5   | 44.9  | 44.2   | 43.6  | 43.8   | 44.1  | 44.2   |
| 75°    | 41.8   | 41.3  | 40.5   | 39.9  | 39.3   | 38.7  | 38.0   | 37.4  | 37.8   | 38.0  | 38.2   |
| 77.5°  | 35.1   | 34.6  | 34.1   | 33.6  | 33.0   | 32.5  | 31.8   | 31.2  | 31.5   | 31.8  | 32.0   |
| 80°    | 28.0   | 27.7  | 27.2   | 27.0  | 26.4   | 25.9  | 25.3   | 24.7  | 24.9   | 24.9  | 25.0   |
| 82.5°  | 20.2   | 20.3  | 20.3   | 20.5  | 20.1   | 19.5  | 19.1   | 18.5  | 18.5   | 18.5  | 18.3   |
| 85°    | 11.3   | 11.9  | 12.3   | 12.7  | 12.3   | 11.9  | 11.4   | 11.0  | 10.8   | 10.8  | 10.8   |
| 87.5°  | 0.4    | 0.7   | 1.1    | 1.4   | 1.3    | 1.1   | 0.8    | 0.7   | 0.8    | 1.0   | 1.0    |
| 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-SA1A-840-U-SLR

**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°     | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 |
| 2.5°   | 295.2 | 297.6  | 299.9 | 302.4  | 304.8 | 308.4  | 312.1 | 315.9  | 319.8 | 317.7  | 315.4 |
| 5°     | 309.0 | 310.5  | 312.0 | 313.4  | 314.8 | 319.0  | 322.9 | 327.9  | 332.7 | 332.1  | 331.4 |
| 7.5°   | 250.8 | 252.8  | 254.8 | 256.6  | 258.6 | 264.8  | 271.0 | 276.2  | 281.4 | 280.8  | 279.9 |
| 10°    | 195.8 | 200.0  | 204.2 | 208.3  | 212.4 | 217.5  | 222.4 | 226.8  | 231.2 | 238.6  | 245.7 |
| 12.5°  | 175.9 | 182.3  | 188.6 | 195.0  | 201.4 | 205.0  | 208.5 | 214.2  | 219.9 | 223.8  | 227.9 |
| 15°    | 159.7 | 165.6  | 171.5 | 177.5  | 183.4 | 183.7  | 184.0 | 189.9  | 195.8 | 199.2  | 202.5 |
| 17.5°  | 144.8 | 148.1  | 151.4 | 154.5  | 157.7 | 156.6  | 155.4 | 158.3  | 160.9 | 162.4  | 163.9 |
| 20°    | 127.9 | 130.2  | 132.4 | 134.6  | 136.9 | 138.5  | 139.9 | 141.6  | 143.1 | 141.7  | 140.2 |
| 22.5°  | 118.0 | 121.3  | 124.9 | 128.3  | 131.7 | 132.7  | 133.5 | 132.5  | 131.5 | 131.1  | 130.7 |
| 25°    | 109.9 | 114.0  | 118.2 | 122.4  | 126.5 | 128.4  | 130.4 | 131.3  | 131.9 | 130.4  | 128.9 |
| 27.5°  | 103.7 | 108.6  | 113.4 | 118.4  | 123.2 | 126.7  | 130.3 | 131.3  | 132.1 | 131.0  | 129.8 |
| 30°    | 99.2  | 104.5  | 109.9 | 115.3  | 120.7 | 126.1  | 131.3 | 136.0  | 140.4 | 140.0  | 139.6 |
| 32.5°  | 98.5  | 102.2  | 105.9 | 109.5  | 113.2 | 116.5  | 119.8 | 120.1  | 120.2 | 119.2  | 117.8 |
| 35°    | 95.5  | 98.0   | 100.3 | 102.8  | 105.1 | 107.2  | 109.2 | 109.0  | 108.6 | 107.6  | 106.4 |
| 37.5°  | 92.8  | 95.3   | 97.8  | 100.2  | 102.6 | 106.3  | 109.8 | 109.1  | 108.2 | 107.1  | 106.0 |
| 40°    | 92.4  | 95.1   | 97.8  | 100.3  | 103.0 | 106.4  | 109.8 | 109.1  | 108.4 | 107.0  | 105.5 |
| 42.5°  | 91.4  | 94.1   | 96.6  | 99.3   | 101.9 | 106.0  | 109.9 | 108.6  | 107.2 | 106.1  | 105.0 |
| 45°    | 88.9  | 91.3   | 93.7  | 96.1   | 98.5  | 102.8  | 107.2 | 105.7  | 104.1 | 103.7  | 103.2 |
| 47.5°  | 85.5  | 87.9   | 90.3  | 92.7   | 95.1  | 99.5   | 103.7 | 102.4  | 101.0 | 100.9  | 100.6 |
| 50°    | 81.8  | 84.1   | 86.4  | 88.7   | 91.0  | 95.4   | 99.6  | 98.5   | 97.4  | 97.5   | 97.5  |
| 52.5°  | 78.5  | 80.6   | 82.5  | 84.7   | 86.6  | 91.0   | 95.3  | 94.4   | 93.4  | 93.7   | 93.8  |
| 55°    | 75.2  | 76.9   | 78.5  | 80.2   | 82.0  | 86.2   | 90.4  | 89.1   | 87.9  | 88.3   | 88.7  |
| 57.5°  | 71.6  | 73.1   | 74.5  | 75.8   | 77.1  | 81.4   | 85.5  | 84.1   | 82.5  | 83.2   | 83.8  |
| 60°    | 67.7  | 69.0   | 70.2  | 71.4   | 72.7  | 76.4   | 80.1  | 78.9   | 77.4  | 78.5   | 79.3  |
| 62.5°  | 63.6  | 64.6   | 65.6  | 66.5   | 67.5  | 71.1   | 74.6  | 73.6   | 72.7  | 73.7   | 74.8  |
| 65°    | 59.4  | 60.0   | 60.9  | 61.6   | 62.3  | 65.7   | 69.0  | 68.3   | 67.5  | 68.5   | 69.5  |
| 67.5°  | 54.7  | 55.2   | 55.9  | 56.5   | 57.1  | 60.2   | 63.3  | 62.6   | 61.7  | 62.6   | 63.3  |
| 70°    | 49.6  | 50.2   | 50.6  | 51.1   | 51.5  | 54.4   | 57.3  | 56.3   | 55.1  | 55.9   | 56.7  |
| 72.5°  | 44.5  | 44.8   | 45.2  | 45.5   | 45.7  | 47.9   | 50.0  | 49.2   | 48.4  | 49.2   | 49.9  |
| 75°    | 38.4  | 38.7   | 39.0  | 39.3   | 39.6  | 41.4   | 43.1  | 42.1   | 41.0  | 41.8   | 42.6  |
| 77.5°  | 32.2  | 32.4   | 32.6  | 32.8   | 33.0  | 34.2   | 35.3  | 34.3   | 33.2  | 34.2   | 35.1  |
| 80°    | 25.0  | 25.1   | 25.3  | 25.3   | 25.4  | 25.9   | 26.3  | 25.6   | 24.7  | 26.0   | 27.2  |
| 82.5°  | 18.3  | 18.2   | 18.2  | 18.1   | 17.9  | 17.9   | 17.8  | 17.4   | 16.8  | 17.9   | 19.1  |
| 85°    | 10.6  | 10.4   | 10.2  | 10.0   | 9.8   | 9.3    | 8.9   | 8.7    | 8.7   | 9.6    | 10.6  |
| 87.5°  | 1.1   | 1.0    | 0.7   | 0.6    | 0.3   | 0.2    | 0.0   | 0.0    | 0.0   | 0.6    | 1.3   |
| 90°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 92.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 95°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 97.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 100°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 102.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 105°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 107.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 110°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



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**CANDELA DISTRIBUTION (continued):**

|        | 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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 192.5° | 195°  | 197.5° | 200°  | 202.5° | 205°  | 207.5° | 210°  | 212.5° | 215°  | 217.5° |
|--------|--------|-------|--------|-------|--------|-------|--------|-------|--------|-------|--------|
| 0°     | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  |
| 2.5°   | 313.2  | 311.0 | 308.9  | 306.8 | 304.7  | 302.6 | 306.5  | 310.5 | 314.4  | 318.4 | 321.9  |
| 5°     | 330.8  | 330.1 | 328.3  | 326.5 | 324.8  | 322.9 | 323.8  | 325.0 | 326.0  | 326.9 | 329.1  |
| 7.5°   | 279.2  | 278.3 | 282.3  | 286.2 | 290.1  | 293.9 | 294.9  | 295.7 | 296.8  | 297.6 | 297.0  |
| 10°    | 253.1  | 260.3 | 262.1  | 263.8 | 265.6  | 267.3 | 270.2  | 273.0 | 275.6  | 278.5 | 280.1  |
| 12.5°  | 231.9  | 235.9 | 242.3  | 249.0 | 255.5  | 261.9 | 266.2  | 270.4 | 274.7  | 278.9 | 287.7  |
| 15°    | 205.9  | 209.1 | 214.1  | 219.1 | 223.9  | 228.9 | 235.0  | 241.2 | 247.3  | 253.4 | 262.9  |
| 17.5°  | 165.3  | 166.8 | 170.5  | 174.1 | 177.6  | 181.3 | 189.5  | 197.5 | 205.8  | 213.8 | 224.9  |
| 20°    | 138.7  | 137.2 | 137.2  | 137.3 | 137.3  | 137.3 | 145.6  | 153.6 | 161.8  | 169.9 | 184.4  |
| 22.5°  | 130.2  | 129.8 | 128.2  | 126.5 | 124.9  | 123.2 | 127.5  | 131.9 | 136.1  | 140.3 | 152.2  |
| 25°    | 127.1  | 125.6 | 123.6  | 121.7 | 119.7  | 117.7 | 120.4  | 123.1 | 125.8  | 128.4 | 137.7  |
| 27.5°  | 128.6  | 127.3 | 128.3  | 129.2 | 130.2  | 131.0 | 131.9  | 132.7 | 133.5  | 134.4 | 137.7  |
| 30°    | 139.2  | 138.7 | 140.3  | 141.7 | 143.3  | 144.7 | 142.7  | 140.9 | 138.9  | 136.9 | 138.1  |
| 32.5°  | 116.7  | 115.5 | 114.9  | 114.3 | 113.8  | 113.2 | 113.0  | 112.9 | 112.6  | 112.5 | 115.0  |
| 35°    | 105.3  | 104.1 | 103.3  | 102.4 | 101.5  | 100.6 | 101.0  | 101.3 | 101.7  | 102.0 | 104.9  |
| 37.5°  | 104.9  | 103.7 | 102.8  | 101.7 | 100.6  | 99.6  | 100.1  | 100.6 | 101.0  | 101.5 | 103.6  |
| 40°    | 104.1  | 102.8 | 102.2  | 101.6 | 101.0  | 100.5 | 100.7  | 101.0 | 101.2  | 101.5 | 103.0  |
| 42.5°  | 103.7  | 102.6 | 102.3  | 102.0 | 101.7  | 101.5 | 101.7  | 102.0 | 102.2  | 102.4 | 104.3  |
| 45°    | 102.8  | 102.2 | 102.4  | 102.8 | 103.0  | 103.3 | 103.3  | 103.3 | 103.3  | 103.3 | 105.3  |
| 47.5°  | 100.5  | 100.2 | 101.0  | 101.9 | 102.8  | 103.6 | 105.0  | 106.4 | 107.6  | 109.1 | 109.5  |
| 50°    | 97.6   | 97.6  | 99.1   | 100.5 | 101.7  | 103.2 | 106.5  | 109.8 | 113.2  | 116.5 | 114.3  |
| 52.5°  | 94.1   | 94.3  | 96.4   | 98.4  | 100.5  | 102.4 | 105.5  | 108.6 | 111.7  | 114.7 | 111.7  |
| 55°    | 89.1   | 89.5  | 92.2   | 94.7  | 97.4   | 99.9  | 102.3  | 104.7 | 107.1  | 109.5 | 106.3  |
| 57.5°  | 84.5   | 85.1  | 87.9   | 90.6  | 93.4   | 96.1  | 97.5   | 99.1  | 100.5  | 101.9 | 99.7   |
| 60°    | 80.2   | 81.1  | 84.8   | 88.5  | 92.0   | 95.7  | 94.5   | 93.4  | 92.2   | 91.0  | 90.8   |
| 62.5°  | 75.8   | 76.9  | 80.2   | 83.7  | 86.9   | 90.3  | 88.6   | 86.9  | 85.1   | 83.3  | 84.1   |
| 65°    | 70.4   | 71.4  | 72.9   | 74.5  | 75.8   | 77.4  | 77.3   | 77.3  | 77.1   | 77.0  | 78.5   |
| 67.5°  | 64.2   | 64.8  | 65.8   | 66.7  | 67.7   | 68.5  | 69.1   | 69.8  | 70.4   | 71.0  | 72.7   |
| 70°    | 57.5   | 58.2  | 59.2   | 60.0  | 61.0   | 61.9  | 62.6   | 63.3  | 63.9   | 64.6  | 66.3   |
| 72.5°  | 50.7   | 51.5  | 52.4   | 53.4  | 54.2   | 55.2  | 55.8   | 56.3  | 56.8   | 57.3  | 58.8   |
| 75°    | 43.6   | 44.4  | 45.3   | 46.2  | 47.2   | 48.0  | 48.4   | 48.9  | 49.3   | 49.8  | 51.0   |
| 77.5°  | 36.2   | 37.2  | 38.2   | 39.1  | 40.1   | 41.1  | 41.3   | 41.4  | 41.5   | 41.7  | 42.8   |
| 80°    | 28.4   | 29.7  | 30.7   | 31.6  | 32.6   | 33.6  | 33.6   | 33.6  | 33.6   | 33.6  | 34.2   |
| 82.5°  | 20.2   | 21.4  | 22.5   | 23.5  | 24.6   | 25.6  | 25.6   | 25.4  | 25.4   | 25.3  | 25.3   |
| 85°    | 11.6   | 12.6  | 13.3   | 14.1  | 14.8   | 15.6  | 15.6   | 15.6  | 15.4   | 15.4  | 15.1   |
| 87.5°  | 1.8    | 2.4   | 2.7    | 3.1   | 3.4    | 3.7   | 3.5    | 3.5   | 3.4    | 3.3   | 2.9    |
| 90°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 92.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 95°    | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 97.5°  | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 100°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 102.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 105°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 107.5° | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |
| 110°   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    |



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**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°     | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 | 307.1  | 307.1 |
| 2.5°   | 325.4 | 329.0  | 332.5 | 331.9  | 331.4 | 330.8  | 330.2 | 332.3  | 334.3 | 336.4  | 338.5 |
| 5°     | 331.1 | 333.2  | 335.2 | 336.7  | 338.3 | 339.8  | 341.4 | 348.6  | 355.7 | 362.8  | 369.9 |
| 7.5°   | 296.4 | 295.7  | 295.2 | 301.8  | 308.6 | 315.3  | 321.9 | 331.1  | 340.2 | 349.5  | 358.6 |
| 10°    | 281.6 | 283.2  | 284.7 | 287.4  | 290.3 | 292.9  | 295.6 | 304.7  | 313.7 | 322.7  | 331.8 |
| 12.5°  | 296.3 | 305.1  | 313.7 | 315.8  | 318.1 | 320.2  | 322.3 | 324.2  | 326.0 | 327.7  | 329.5 |
| 15°    | 272.5 | 282.2  | 291.8 | 297.3  | 302.8 | 308.2  | 313.7 | 327.5  | 341.2 | 355.1  | 368.8 |
| 17.5°  | 235.7 | 246.7  | 257.6 | 271.2  | 284.7 | 298.3  | 311.9 | 324.6  | 337.3 | 349.9  | 362.6 |
| 20°    | 199.0 | 213.3  | 227.9 | 242.8  | 257.5 | 272.3  | 287.0 | 299.4  | 311.9 | 324.2  | 336.6 |
| 22.5°  | 163.9 | 175.7  | 187.5 | 205.6  | 223.5 | 241.6  | 259.6 | 282.7  | 305.8 | 329.0  | 352.0 |
| 25°    | 147.0 | 156.3  | 165.5 | 184.2  | 202.7 | 221.3  | 239.9 | 270.0  | 299.9 | 330.1  | 360.1 |
| 27.5°  | 141.0 | 144.3  | 147.5 | 164.5  | 181.3 | 198.3  | 215.1 | 247.6  | 280.1 | 312.4  | 344.9 |
| 30°    | 139.2 | 140.3  | 141.4 | 154.7  | 168.0 | 181.3  | 194.6 | 226.6  | 258.8 | 291.0  | 323.0 |
| 32.5°  | 117.4 | 120.0  | 122.4 | 135.4  | 148.3 | 161.2  | 174.1 | 206.4  | 238.6 | 271.0  | 303.2 |
| 35°    | 107.6 | 110.5  | 113.4 | 126.1  | 138.7 | 151.4  | 164.1 | 198.1  | 232.3 | 266.4  | 300.5 |
| 37.5°  | 105.7 | 107.8  | 109.9 | 124.4  | 138.7 | 153.2  | 167.6 | 202.1  | 236.5 | 271.0  | 305.5 |
| 40°    | 104.7 | 106.3  | 107.8 | 121.8  | 136.0 | 149.9  | 163.9 | 200.1  | 236.1 | 272.3  | 308.4 |
| 42.5°  | 106.0 | 107.8  | 109.5 | 122.3  | 134.8 | 147.5  | 160.1 | 197.5  | 234.9 | 272.3  | 309.6 |
| 45°    | 107.1 | 109.1  | 110.9 | 122.8  | 134.6 | 146.6  | 158.4 | 198.4  | 238.2 | 278.3  | 318.1 |
| 47.5°  | 109.8 | 110.2  | 110.5 | 120.8  | 131.0 | 141.3  | 151.4 | 192.1  | 232.8 | 273.5  | 314.2 |
| 50°    | 112.1 | 109.9  | 107.6 | 118.4  | 129.0 | 139.8  | 150.4 | 189.0  | 227.5 | 266.0  | 304.5 |
| 52.5°  | 108.6 | 105.3  | 102.2 | 113.8  | 125.4 | 136.8  | 148.3 | 186.9  | 225.7 | 264.2  | 302.8 |
| 55°    | 103.2 | 99.9   | 96.6  | 108.4  | 120.1 | 131.9  | 143.5 | 182.0  | 220.6 | 259.0  | 297.4 |
| 57.5°  | 97.8  | 95.7   | 93.5  | 103.2  | 112.9 | 122.5  | 132.1 | 173.8  | 215.4 | 257.1  | 298.6 |
| 60°    | 90.7  | 90.4   | 90.3  | 97.8   | 105.4 | 112.9  | 120.4 | 161.2  | 201.9 | 242.8  | 283.5 |
| 62.5°  | 84.7  | 85.4   | 85.9  | 92.0   | 98.0  | 104.0  | 110.1 | 149.5  | 189.0 | 228.5  | 267.9 |
| 65°    | 80.0  | 81.4   | 82.8  | 89.7   | 96.6  | 103.4  | 110.3 | 143.5  | 176.5 | 209.6  | 242.6 |
| 67.5°  | 74.3  | 76.0   | 77.7  | 86.8   | 95.8  | 104.9  | 113.9 | 141.2  | 168.4 | 195.7  | 223.0 |
| 70°    | 67.9  | 69.5   | 71.1  | 82.7   | 94.1  | 105.7  | 117.1 | 141.3  | 165.6 | 189.8  | 213.9 |
| 72.5°  | 60.2  | 61.6   | 63.0  | 75.4   | 87.9  | 100.3  | 112.8 | 133.3  | 153.7 | 174.1  | 194.6 |
| 75°    | 52.4  | 53.7   | 55.0  | 65.7   | 76.4  | 87.2   | 98.0  | 113.8  | 129.4 | 145.2  | 160.9 |
| 77.5°  | 43.8  | 44.9   | 45.9  | 53.1   | 60.4  | 67.5   | 74.8  | 86.9   | 98.9  | 111.1  | 123.1 |
| 80°    | 34.7  | 35.3   | 35.9  | 40.1   | 44.2  | 48.4   | 52.6  | 60.6   | 68.7  | 76.6   | 84.7  |
| 82.5°  | 25.4  | 25.4   | 25.4  | 28.1   | 30.9  | 33.6   | 36.3  | 40.4   | 44.4  | 48.4   | 52.4  |
| 85°    | 14.8  | 14.4   | 14.1  | 16.0   | 17.8  | 19.7   | 21.4  | 23.2   | 24.9  | 26.6   | 28.3  |
| 87.5°  | 2.4   | 1.8    | 1.4   | 2.5    | 3.7   | 4.8    | 6.0   | 6.5    | 7.2   | 7.7    | 8.3   |
| 90°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 92.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 95°    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 97.5°  | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 100°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 102.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 105°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 107.5° | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |
| 110°   | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   | 0.0    | 0.0   |



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 CATALOG NUMBER: PMM-SA1A-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  |

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CATALOG NUMBER: PMM-SA1A-840-U-SLR

**CANDELA DISTRIBUTION (continued):**

|        | 247.5° | 250°  | 252.5° | 255°   | 257.5° | 260°   | 262.5° | 265°   | 267.5° | 270°   | 272.5° |
|--------|--------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 307.1  | 307.1 | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  |
| 2.5°   | 333.6  | 329.0 | 324.2  | 319.4  | 326.4  | 333.5  | 340.6  | 347.6  | 366.4  | 377.6  | 378.2  |
| 5°     | 375.9  | 381.8 | 387.7  | 393.7  | 399.6  | 405.6  | 411.4  | 417.3  | 447.8  | 466.6  | 470.1  |
| 7.5°   | 368.4  | 378.2 | 388.0  | 397.7  | 414.6  | 431.4  | 448.2  | 465.0  | 490.9  | 509.6  | 521.9  |
| 10°    | 343.9  | 356.1 | 368.2  | 380.4  | 400.4  | 420.4  | 440.3  | 460.2  | 487.6  | 512.2  | 524.0  |
| 12.5°  | 348.9  | 368.2 | 387.5  | 406.8  | 424.1  | 441.5  | 458.7  | 475.9  | 494.9  | 504.2  | 525.5  |
| 15°    | 382.2  | 395.6 | 409.1  | 422.5  | 448.5  | 474.4  | 500.3  | 526.2  | 537.0  | 558.3  | 577.5  |
| 17.5°  | 387.3  | 411.9 | 436.6  | 461.2  | 493.0  | 524.8  | 556.6  | 588.4  | 608.3  | 635.9  | 659.0  |
| 20°    | 371.5  | 406.2 | 441.1  | 475.9  | 516.9  | 558.0  | 599.0  | 640.0  | 665.2  | 688.4  | 724.4  |
| 22.5°  | 390.4  | 428.9 | 467.1  | 505.5  | 560.0  | 614.3  | 668.7  | 722.9  | 775.7  | 827.4  | 851.7  |
| 25°    | 411.4  | 462.7 | 514.0  | 565.3  | 633.4  | 701.1  | 769.1  | 836.9  | 904.9  | 953.4  | 981.3  |
| 27.5°  | 396.7  | 448.2 | 499.9  | 551.5  | 635.6  | 719.8  | 803.9  | 888.0  | 960.7  | 1019.1 | 1043.1 |
| 30°    | 386.3  | 449.6 | 512.9  | 576.3  | 674.9  | 773.5  | 872.1  | 970.7  | 1038.0 | 1103.2 | 1138.5 |
| 32.5°  | 384.5  | 465.8 | 546.8  | 628.1  | 743.0  | 857.7  | 972.6  | 1087.4 | 1132.0 | 1189.8 | 1237.4 |
| 35°    | 389.6  | 478.9 | 568.0  | 657.2  | 788.9  | 920.6  | 1052.1 | 1183.8 | 1247.3 | 1304.5 | 1346.2 |
| 37.5°  | 405.1  | 504.7 | 604.2  | 703.8  | 862.5  | 1021.4 | 1180.0 | 1338.7 | 1445.1 | 1549.9 | 1568.4 |
| 40°    | 413.9  | 519.6 | 625.1  | 730.7  | 915.2  | 1099.8 | 1284.3 | 1468.9 | 1591.2 | 1706.1 | 1713.9 |
| 42.5°  | 424.2  | 538.8 | 653.2  | 767.8  | 972.5  | 1177.2 | 1381.9 | 1586.4 | 1737.9 | 1861.4 | 1865.1 |
| 45°    | 436.1  | 553.9 | 671.9  | 789.8  | 1003.4 | 1217.0 | 1430.5 | 1644.0 | 1827.2 | 1977.3 | 1940.7 |
| 47.5°  | 440.7  | 567.4 | 694.1  | 820.7  | 1048.5 | 1276.1 | 1503.9 | 1731.6 | 1895.9 | 2032.4 | 1997.3 |
| 50°    | 442.6  | 580.7 | 718.8  | 856.9  | 1092.8 | 1329.0 | 1564.9 | 1801.0 | 1968.1 | 2101.2 | 2047.5 |
| 52.5°  | 454.0  | 605.2 | 756.4  | 907.6  | 1153.5 | 1399.3 | 1645.2 | 1891.1 | 2055.6 | 2183.5 | 2116.7 |
| 55°    | 469.4  | 641.4 | 813.2  | 985.2  | 1239.7 | 1494.0 | 1748.5 | 2002.9 | 2167.9 | 2286.9 | 2204.3 |
| 57.5°  | 483.7  | 668.9 | 854.0  | 1039.2 | 1302.8 | 1566.7 | 1830.3 | 2094.0 | 2261.2 | 2378.9 | 2298.8 |
| 60°    | 476.8  | 670.0 | 863.4  | 1056.7 | 1315.8 | 1574.8 | 1834.0 | 2093.0 | 2282.8 | 2424.0 | 2382.9 |
| 62.5°  | 455.9  | 643.8 | 831.6  | 1019.5 | 1265.6 | 1511.4 | 1757.4 | 2003.3 | 2225.4 | 2406.4 | 2404.6 |
| 65°    | 415.6  | 588.5 | 761.4  | 934.3  | 1162.0 | 1389.8 | 1617.4 | 1845.0 | 2106.9 | 2326.7 | 2341.0 |
| 67.5°  | 366.5  | 510.1 | 653.7  | 797.3  | 1011.6 | 1225.9 | 1440.3 | 1654.6 | 1934.6 | 2177.3 | 2189.5 |
| 70°    | 319.0  | 424.3 | 529.4  | 634.6  | 822.8  | 1011.0 | 1199.1 | 1387.3 | 1670.1 | 1915.5 | 1926.8 |
| 72.5°  | 263.4  | 332.2 | 400.9  | 469.7  | 622.2  | 774.6  | 926.9  | 1079.5 | 1327.7 | 1516.5 | 1580.2 |
| 75°    | 201.8  | 242.6 | 283.5  | 324.3  | 447.7  | 571.0  | 694.2  | 817.6  | 982.6  | 1121.9 | 1193.7 |
| 77.5°  | 144.3  | 165.5 | 186.7  | 207.9  | 312.7  | 417.6  | 522.3  | 627.1  | 713.8  | 792.9  | 841.3  |
| 80°    | 94.7   | 104.5 | 114.6  | 124.5  | 211.7  | 298.9  | 385.9  | 473.1  | 525.9  | 568.4  | 592.8  |
| 82.5°  | 57.3   | 62.3  | 67.1   | 72.1   | 142.7  | 213.3  | 283.9  | 354.5  | 384.8  | 405.0  | 426.8  |
| 85°    | 30.9   | 33.6  | 36.3   | 39.0   | 84.3   | 129.6  | 174.9  | 220.1  | 223.1  | 225.5  | 257.9  |
| 87.5°  | 9.1    | 9.9   | 10.6   | 11.3   | 18.7   | 26.2   | 33.5   | 40.9   | 25.4   | 15.8   | 32.5   |
| 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: P822535  
 CATALOG NUMBER: PMM-SA1A-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    |



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**CANDELA DISTRIBUTION (continued):**

|        | 275°   | 277.5° | 280°   | 282.5° | 285°   | 287.5° | 290°   | 292.5° | 295°   | 297.5° | 300°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  |
| 2.5°   | 374.2  | 372.4  | 370.5  | 368.5  | 366.7  | 358.9  | 351.2  | 343.5  | 335.8  | 343.3  | 350.6  |
| 5°     | 466.0  | 471.7  | 477.2  | 482.8  | 488.5  | 488.9  | 489.2  | 489.7  | 489.9  | 491.3  | 492.8  |
| 7.5°   | 532.1  | 542.2  | 552.1  | 562.1  | 572.1  | 579.9  | 587.7  | 595.6  | 603.3  | 596.3  | 589.2  |
| 10°    | 537.8  | 559.0  | 580.2  | 601.4  | 622.6  | 626.4  | 630.1  | 633.9  | 637.7  | 642.8  | 647.7  |
| 12.5°  | 543.5  | 569.3  | 595.0  | 620.9  | 646.7  | 658.1  | 669.2  | 680.5  | 691.7  | 697.2  | 702.6  |
| 15°    | 603.3  | 618.5  | 633.6  | 648.8  | 664.0  | 671.8  | 679.4  | 687.2  | 694.9  | 699.6  | 704.1  |
| 17.5°  | 680.1  | 685.8  | 691.3  | 696.9  | 702.6  | 707.8  | 713.0  | 718.2  | 723.5  | 724.4  | 725.2  |
| 20°    | 750.2  | 751.3  | 752.3  | 753.4  | 754.5  | 743.4  | 732.5  | 721.5  | 710.5  | 712.5  | 714.3  |
| 22.5°  | 855.3  | 849.1  | 843.0  | 836.8  | 830.7  | 810.0  | 789.4  | 768.6  | 747.9  | 739.0  | 730.2  |
| 25°    | 1013.6 | 997.7  | 981.9  | 966.1  | 950.3  | 917.2  | 884.3  | 851.2  | 818.3  | 798.9  | 779.7  |
| 27.5°  | 1064.6 | 1030.1 | 995.8  | 961.3  | 926.8  | 901.8  | 877.0  | 851.9  | 827.0  | 796.4  | 765.7  |
| 30°    | 1167.8 | 1113.4 | 1059.1 | 1004.7 | 950.3  | 926.1  | 901.9  | 877.6  | 853.5  | 822.1  | 790.9  |
| 32.5°  | 1259.2 | 1202.7 | 1146.1 | 1089.5 | 1033.0 | 987.1  | 941.4  | 895.6  | 849.8  | 828.6  | 807.4  |
| 35°    | 1365.0 | 1293.9 | 1222.8 | 1151.8 | 1080.7 | 1041.5 | 1002.3 | 963.0  | 923.8  | 891.8  | 859.8  |
| 37.5°  | 1519.2 | 1443.6 | 1368.0 | 1292.2 | 1216.6 | 1163.5 | 1110.5 | 1057.3 | 1004.4 | 986.7  | 969.2  |
| 40°    | 1666.2 | 1576.9 | 1487.6 | 1398.3 | 1309.2 | 1268.5 | 1227.8 | 1186.9 | 1146.2 | 1116.5 | 1086.6 |
| 42.5°  | 1789.2 | 1700.9 | 1612.7 | 1524.4 | 1436.3 | 1406.6 | 1377.0 | 1347.4 | 1317.8 | 1293.2 | 1268.7 |
| 45°    | 1831.5 | 1759.4 | 1687.4 | 1615.4 | 1543.3 | 1532.9 | 1522.5 | 1512.1 | 1501.8 | 1483.6 | 1465.4 |
| 47.5°  | 1899.4 | 1825.9 | 1752.6 | 1679.1 | 1605.6 | 1609.5 | 1613.3 | 1617.2 | 1621.1 | 1622.0 | 1622.9 |
| 50°    | 1939.4 | 1869.6 | 1799.9 | 1730.2 | 1660.4 | 1679.0 | 1697.4 | 1715.9 | 1734.4 | 1776.3 | 1818.2 |
| 52.5°  | 1997.7 | 1929.2 | 1860.8 | 1792.3 | 1723.8 | 1755.1 | 1786.4 | 1817.8 | 1849.0 | 1907.7 | 1966.5 |
| 55°    | 2071.0 | 2005.4 | 1940.0 | 1874.4 | 1808.9 | 1839.5 | 1869.9 | 1900.4 | 1930.8 | 1996.2 | 2061.6 |
| 57.5°  | 2168.0 | 2097.8 | 2027.7 | 1957.5 | 1887.4 | 1915.5 | 1943.5 | 1971.7 | 1999.6 | 2061.8 | 2123.9 |
| 60°    | 2278.5 | 2202.2 | 2126.0 | 2049.5 | 1973.2 | 1981.0 | 1988.6 | 1996.4 | 2003.9 | 2071.4 | 2138.7 |
| 62.5°  | 2332.8 | 2262.2 | 2191.6 | 2121.0 | 2050.4 | 2028.7 | 2007.1 | 1985.4 | 1963.8 | 2024.0 | 2084.3 |
| 65°    | 2285.7 | 2237.1 | 2188.7 | 2140.1 | 2091.5 | 2053.3 | 2015.3 | 1977.1 | 1938.9 | 1976.7 | 2014.3 |
| 67.5°  | 2136.0 | 2108.4 | 2081.0 | 2053.5 | 2025.9 | 1961.9 | 1897.8 | 1833.8 | 1769.7 | 1772.3 | 1774.6 |
| 70°    | 1893.2 | 1885.9 | 1878.7 | 1871.3 | 1863.9 | 1767.7 | 1671.6 | 1575.4 | 1479.1 | 1464.5 | 1449.8 |
| 72.5°  | 1585.6 | 1590.4 | 1595.0 | 1599.8 | 1604.7 | 1501.3 | 1397.8 | 1294.3 | 1190.9 | 1166.5 | 1142.0 |
| 75°    | 1228.1 | 1254.6 | 1281.2 | 1307.9 | 1334.5 | 1235.5 | 1136.6 | 1037.6 | 938.7  | 908.6  | 878.5  |
| 77.5°  | 867.7  | 917.3  | 966.8  | 1016.4 | 1066.0 | 976.5  | 887.2  | 797.8  | 708.4  | 688.9  | 669.4  |
| 80°    | 605.0  | 629.3  | 653.7  | 678.0  | 702.3  | 657.3  | 612.4  | 567.4  | 522.5  | 527.9  | 533.1  |
| 82.5°  | 440.7  | 446.3  | 451.9  | 457.5  | 463.2  | 444.8  | 426.4  | 407.9  | 389.6  | 403.5  | 417.6  |
| 85°    | 282.3  | 302.6  | 322.6  | 342.8  | 362.8  | 342.5  | 322.1  | 301.7  | 281.4  | 290.7  | 299.9  |
| 87.5°  | 63.2   | 99.9   | 136.6  | 173.6  | 210.2  | 190.5  | 170.9  | 151.0  | 131.3  | 122.4  | 113.6  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 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°     | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  |
| 2.5°   | 358.1  | 365.5  | 363.3  | 361.2  | 358.9  | 356.6  | 360.7  | 364.9  | 369.1  | 373.2  | 371.8  |
| 5°     | 494.3  | 495.7  | 482.3  | 469.0  | 455.6  | 442.1  | 450.5  | 458.8  | 467.1  | 475.5  | 472.5  |
| 7.5°   | 582.2  | 575.1  | 567.4  | 559.5  | 551.6  | 543.9  | 542.2  | 540.5  | 538.7  | 537.0  | 534.7  |
| 10°    | 652.8  | 657.8  | 652.7  | 647.7  | 642.6  | 637.6  | 625.7  | 613.9  | 601.8  | 590.0  | 585.0  |
| 12.5°  | 708.0  | 713.6  | 714.8  | 716.0  | 717.3  | 718.5  | 705.3  | 692.1  | 678.9  | 665.6  | 653.5  |
| 15°    | 708.8  | 713.4  | 717.5  | 721.5  | 725.6  | 729.6  | 721.3  | 713.3  | 705.1  | 696.9  | 693.1  |
| 17.5°  | 726.2  | 727.0  | 723.6  | 720.4  | 717.0  | 713.8  | 710.5  | 707.4  | 704.1  | 701.0  | 694.9  |
| 20°    | 716.3  | 718.2  | 717.8  | 717.4  | 716.9  | 716.4  | 716.7  | 716.9  | 717.1  | 717.3  | 713.8  |
| 22.5°  | 721.3  | 712.5  | 714.3  | 716.0  | 717.8  | 719.6  | 724.6  | 729.7  | 734.9  | 740.0  | 753.6  |
| 25°    | 760.3  | 741.0  | 738.1  | 735.2  | 732.3  | 729.4  | 742.7  | 755.8  | 769.1  | 782.4  | 804.5  |
| 27.5°  | 734.9  | 704.3  | 697.4  | 690.7  | 683.9  | 677.1  | 697.4  | 717.4  | 737.6  | 757.8  | 780.3  |
| 30°    | 759.5  | 728.3  | 713.3  | 698.4  | 683.2  | 668.3  | 687.6  | 706.8  | 726.2  | 745.4  | 770.3  |
| 32.5°  | 786.2  | 765.1  | 755.0  | 745.1  | 735.0  | 725.2  | 726.7  | 728.3  | 729.8  | 731.4  | 766.4  |
| 35°    | 827.8  | 795.7  | 785.8  | 775.9  | 766.0  | 756.1  | 772.6  | 789.0  | 805.6  | 822.0  | 851.7  |
| 37.5°  | 951.6  | 933.9  | 916.1  | 898.2  | 880.3  | 862.5  | 872.3  | 882.0  | 891.8  | 901.5  | 929.5  |
| 40°    | 1056.8 | 1027.0 | 1024.0 | 1021.2 | 1018.2 | 1015.3 | 1016.1 | 1016.8 | 1017.7 | 1018.5 | 1042.4 |
| 42.5°  | 1243.9 | 1219.3 | 1204.2 | 1189.1 | 1174.0 | 1158.8 | 1157.8 | 1156.8 | 1155.7 | 1154.7 | 1172.7 |
| 45°    | 1446.9 | 1428.8 | 1417.4 | 1406.2 | 1394.7 | 1383.4 | 1365.5 | 1347.5 | 1329.4 | 1311.5 | 1327.1 |
| 47.5°  | 1623.9 | 1624.9 | 1645.4 | 1665.7 | 1686.2 | 1706.7 | 1676.0 | 1645.4 | 1614.7 | 1584.0 | 1563.8 |
| 50°    | 1860.2 | 1901.9 | 1906.9 | 1911.7 | 1916.7 | 1921.6 | 1869.6 | 1817.8 | 1765.7 | 1713.8 | 1692.6 |
| 52.5°  | 2025.5 | 2084.3 | 2076.6 | 2069.1 | 2061.5 | 2053.9 | 2023.8 | 1993.8 | 1963.8 | 1933.6 | 1887.4 |
| 55°    | 2127.2 | 2192.6 | 2186.8 | 2181.2 | 2175.4 | 2169.6 | 2147.7 | 2125.8 | 2103.8 | 2082.0 | 2031.3 |
| 57.5°  | 2186.1 | 2248.3 | 2250.0 | 2251.7 | 2253.4 | 2255.0 | 2249.3 | 2243.5 | 2237.7 | 2231.9 | 2165.9 |
| 60°    | 2206.0 | 2273.5 | 2274.1 | 2274.7 | 2275.4 | 2276.0 | 2266.8 | 2257.6 | 2248.3 | 2239.1 | 2196.0 |
| 62.5°  | 2144.5 | 2204.8 | 2207.4 | 2210.0 | 2212.7 | 2215.4 | 2209.0 | 2202.7 | 2196.3 | 2190.0 | 2158.0 |
| 65°    | 2052.0 | 2089.7 | 2090.5 | 2091.1 | 2091.7 | 2092.4 | 2076.4 | 2060.4 | 2044.2 | 2028.2 | 2020.5 |
| 67.5°  | 1777.2 | 1779.8 | 1794.7 | 1809.7 | 1824.7 | 1839.6 | 1840.9 | 1842.2 | 1843.6 | 1844.9 | 1833.8 |
| 70°    | 1435.1 | 1420.4 | 1436.7 | 1452.9 | 1469.1 | 1485.4 | 1492.3 | 1499.2 | 1506.3 | 1513.2 | 1518.3 |
| 72.5°  | 1117.5 | 1093.0 | 1105.0 | 1117.1 | 1129.2 | 1141.2 | 1130.8 | 1120.6 | 1110.2 | 1099.9 | 1132.5 |
| 75°    | 848.4  | 818.3  | 816.8  | 815.3  | 813.7  | 812.4  | 807.1  | 801.9  | 796.5  | 791.3  | 821.8  |
| 77.5°  | 649.7  | 630.3  | 631.2  | 632.0  | 633.0  | 633.9  | 628.5  | 623.3  | 617.9  | 612.6  | 624.3  |
| 80°    | 538.5  | 543.7  | 543.9  | 544.1  | 544.1  | 544.3  | 539.2  | 534.3  | 529.2  | 524.1  | 515.6  |
| 82.5°  | 431.7  | 445.7  | 445.5  | 445.5  | 445.4  | 445.3  | 445.0  | 444.7  | 444.2  | 444.0  | 430.1  |
| 85°    | 309.3  | 318.6  | 309.0  | 299.4  | 289.8  | 280.2  | 287.3  | 294.3  | 301.5  | 308.6  | 302.8  |
| 87.5°  | 104.7  | 95.9   | 84.5   | 73.2   | 61.7   | 50.3   | 62.6   | 74.9   | 87.3   | 99.6   | 106.7  |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P822535  
 CATALOG NUMBER: PMM-SA1A-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    |



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**CANDELA DISTRIBUTION (continued):**

|        | 330°   | 332.5° | 335°   | 337.5° | 340°   | 342.5° | 345°   | 347.5° | 350°   | 352.5° | 355°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  | 307.1  |
| 2.5°   | 370.5  | 369.1  | 367.8  | 358.9  | 349.9  | 341.0  | 331.9  | 348.3  | 364.9  | 381.3  | 397.7  |
| 5°     | 469.7  | 466.7  | 463.9  | 463.2  | 462.5  | 461.7  | 460.9  | 469.3  | 477.6  | 485.8  | 494.1  |
| 7.5°   | 532.5  | 530.2  | 527.9  | 521.9  | 516.1  | 510.3  | 504.3  | 509.4  | 514.4  | 519.4  | 524.4  |
| 10°    | 580.2  | 575.3  | 570.3  | 557.4  | 544.7  | 531.9  | 519.0  | 515.2  | 511.4  | 507.6  | 503.8  |
| 12.5°  | 641.5  | 629.3  | 617.4  | 602.8  | 588.1  | 573.6  | 558.9  | 556.8  | 554.9  | 553.1  | 551.1  |
| 15°    | 689.5  | 685.6  | 681.8  | 670.2  | 658.6  | 647.1  | 635.5  | 619.9  | 604.2  | 588.7  | 573.2  |
| 17.5°  | 689.0  | 682.9  | 677.0  | 692.6  | 708.0  | 723.5  | 738.9  | 722.3  | 705.7  | 689.1  | 672.6  |
| 20°    | 710.5  | 706.9  | 703.6  | 732.3  | 760.8  | 789.4  | 818.0  | 808.9  | 799.8  | 790.8  | 781.5  |
| 22.5°  | 767.0  | 780.6  | 794.0  | 818.6  | 843.0  | 867.6  | 892.0  | 902.4  | 912.7  | 923.0  | 933.3  |
| 25°    | 826.4  | 848.4  | 870.4  | 907.0  | 943.5  | 980.1  | 1016.6 | 1024.0 | 1031.4 | 1038.8 | 1046.1 |
| 27.5°  | 802.6  | 825.1  | 847.5  | 875.2  | 902.8  | 930.5  | 958.0  | 990.2  | 1022.6 | 1054.8 | 1087.0 |
| 30°    | 795.0  | 819.9  | 844.6  | 882.6  | 920.4  | 958.5  | 996.5  | 1040.9 | 1085.2 | 1129.4 | 1173.8 |
| 32.5°  | 801.4  | 836.4  | 871.4  | 922.9  | 974.2  | 1025.6 | 1077.0 | 1123.7 | 1170.4 | 1217.0 | 1263.7 |
| 35°    | 881.2  | 910.9  | 940.4  | 997.9  | 1055.4 | 1112.9 | 1170.4 | 1225.1 | 1279.8 | 1334.3 | 1389.0 |
| 37.5°  | 957.4  | 985.3  | 1013.3 | 1072.1 | 1130.8 | 1189.5 | 1248.3 | 1334.6 | 1421.1 | 1507.4 | 1593.8 |
| 40°    | 1066.2 | 1090.1 | 1113.8 | 1164.1 | 1214.3 | 1264.7 | 1315.0 | 1419.1 | 1523.3 | 1627.4 | 1731.6 |
| 42.5°  | 1190.5 | 1208.5 | 1226.3 | 1278.4 | 1330.6 | 1382.7 | 1434.8 | 1548.1 | 1661.6 | 1774.9 | 1888.2 |
| 45°    | 1342.7 | 1358.4 | 1374.0 | 1409.9 | 1445.8 | 1481.8 | 1517.7 | 1634.6 | 1751.5 | 1868.3 | 1985.2 |
| 47.5°  | 1543.6 | 1523.4 | 1503.2 | 1520.9 | 1538.5 | 1556.2 | 1573.8 | 1689.5 | 1805.0 | 1920.4 | 2036.1 |
| 50°    | 1671.4 | 1650.2 | 1629.0 | 1630.5 | 1631.9 | 1633.4 | 1635.0 | 1742.8 | 1850.7 | 1958.4 | 2066.2 |
| 52.5°  | 1841.2 | 1794.8 | 1748.7 | 1748.2 | 1747.8 | 1747.2 | 1746.8 | 1840.8 | 1934.9 | 2028.8 | 2122.9 |
| 55°    | 1980.5 | 1929.8 | 1879.1 | 1869.2 | 1859.3 | 1849.2 | 1839.4 | 1932.3 | 2025.1 | 2118.1 | 2211.0 |
| 57.5°  | 2099.9 | 2033.8 | 1967.8 | 1952.2 | 1936.8 | 1921.2 | 1905.6 | 2005.8 | 2106.1 | 2206.4 | 2306.5 |
| 60°    | 2153.0 | 2110.0 | 2067.0 | 2047.9 | 2028.8 | 2009.8 | 1990.7 | 2076.0 | 2161.4 | 2246.6 | 2332.0 |
| 62.5°  | 2126.2 | 2094.3 | 2062.5 | 2066.8 | 2071.2 | 2075.6 | 2080.0 | 2128.7 | 2177.7 | 2226.4 | 2275.1 |
| 65°    | 2013.0 | 2005.4 | 1997.9 | 2033.2 | 2068.5 | 2103.8 | 2139.2 | 2139.9 | 2140.6 | 2141.4 | 2142.0 |
| 67.5°  | 1822.8 | 1811.8 | 1800.8 | 1874.3 | 1947.6 | 2021.1 | 2094.6 | 2059.6 | 2024.7 | 1990.0 | 1955.1 |
| 70°    | 1523.3 | 1528.3 | 1533.3 | 1633.4 | 1733.3 | 1833.2 | 1933.3 | 1882.8 | 1832.0 | 1781.4 | 1730.7 |
| 72.5°  | 1165.2 | 1197.9 | 1230.7 | 1334.3 | 1438.0 | 1541.8 | 1645.5 | 1587.7 | 1529.8 | 1472.0 | 1414.1 |
| 75°    | 852.3  | 882.9  | 913.4  | 1015.8 | 1118.3 | 1220.9 | 1323.3 | 1254.6 | 1186.0 | 1117.5 | 1048.8 |
| 77.5°  | 636.0  | 647.9  | 659.6  | 744.8  | 829.9  | 915.1  | 1000.2 | 931.2  | 862.3  | 793.4  | 724.4  |
| 80°    | 507.3  | 498.8  | 490.5  | 537.7  | 584.8  | 632.0  | 679.3  | 630.3  | 581.3  | 532.5  | 483.5  |
| 82.5°  | 416.4  | 402.5  | 388.8  | 406.4  | 423.9  | 441.6  | 459.1  | 419.9  | 380.8  | 341.7  | 302.6  |
| 85°    | 297.0  | 291.2  | 285.4  | 290.5  | 295.5  | 300.5  | 305.7  | 267.5  | 229.3  | 191.3  | 153.2  |
| 87.5°  | 113.6  | 120.7  | 127.7  | 135.8  | 143.7  | 151.8  | 159.7  | 125.0  | 90.4   | 55.9   | 21.4   |
| 90°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 95°    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 100°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 102.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 105°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 107.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 110°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |



REPORT NUMBER: P822535  
 CATALOG NUMBER: PMM-SA1A-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  |



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**CANDELA DISTRIBUTION (continued):**

|        | 357.5° | 360°   |
|--------|--------|--------|
| 0°     | 307.1  | 307.1  |
| 2.5°   | 404.4  | 411.2  |
| 5°     | 494.0  | 493.9  |
| 7.5°   | 522.1  | 519.8  |
| 10°    | 497.6  | 491.3  |
| 12.5°  | 532.7  | 514.2  |
| 15°    | 554.7  | 536.2  |
| 17.5°  | 644.8  | 616.8  |
| 20°    | 748.3  | 715.0  |
| 22.5°  | 882.6  | 831.9  |
| 25°    | 985.5  | 924.7  |
| 27.5°  | 1051.0 | 1014.9 |
| 30°    | 1132.4 | 1091.0 |
| 32.5°  | 1233.2 | 1202.5 |
| 35°    | 1361.1 | 1332.9 |
| 37.5°  | 1585.0 | 1576.1 |
| 40°    | 1721.0 | 1710.2 |
| 42.5°  | 1888.7 | 1889.0 |
| 45°    | 1991.6 | 1997.9 |
| 47.5°  | 2052.1 | 2068.1 |
| 50°    | 2100.5 | 2134.7 |
| 52.5°  | 2169.6 | 2216.4 |
| 55°    | 2273.2 | 2335.2 |
| 57.5°  | 2359.4 | 2412.2 |
| 60°    | 2359.4 | 2386.6 |
| 62.5°  | 2274.5 | 2273.6 |
| 65°    | 2128.9 | 2115.6 |
| 67.5°  | 1938.4 | 1921.7 |
| 70°    | 1704.7 | 1678.5 |
| 72.5°  | 1381.7 | 1349.1 |
| 75°    | 1004.3 | 959.6  |
| 77.5°  | 703.2  | 682.0  |
| 80°    | 493.9  | 504.2  |
| 82.5°  | 317.2  | 331.9  |
| 85°    | 150.9  | 148.7  |
| 87.5°  | 17.8   | 14.3   |
| 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: P822535  
CATALOG NUMBER: PMM-SA1A-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  |

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.

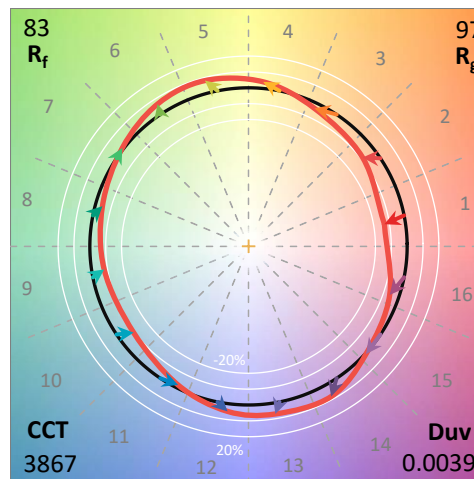
### Test Information

Test Method: LM-79-2019  
 Report Number: SP1-2309-178-2  
 Test Lab: COOPER LIGHTING SOLUTIONS  
 Photometer: SP1 - 76IN SPHERE  
 Measurement Geometry:  $4\pi$   
 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

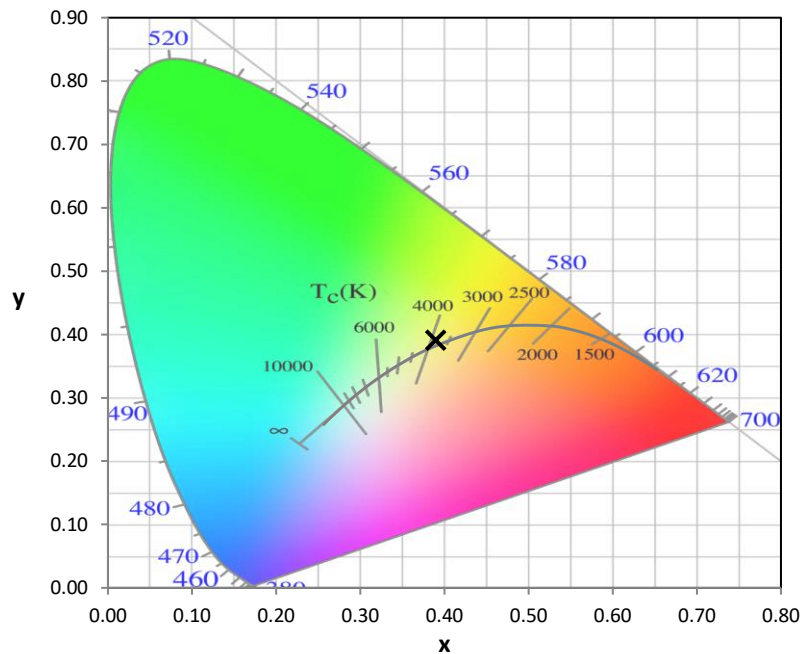
Stabilization Time: 25M  
 Operation Time: 12H  
 Room Temperature (°C) / RH%: 24.8/46%  
 Sphere Temperature (°C): 24.7

REPORT NUMBER: SP1-2309-178-2

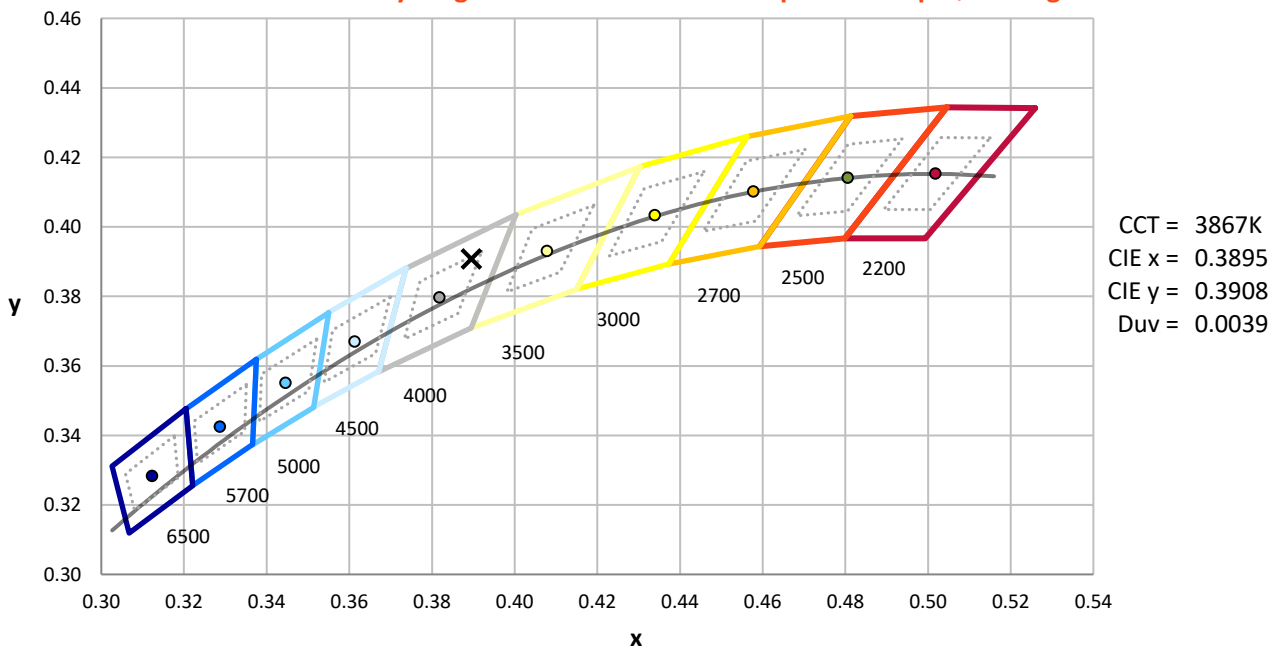
| Measurement and Test Equipment |                       |                  |                      |
|--------------------------------|-----------------------|------------------|----------------------|
| Instrument                     | Identification Number | Calibration Date | Calibration Due Date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

REPORT NUMBER: SP1-2309-178-2

**CIE 1931 Chromaticity Diagram**



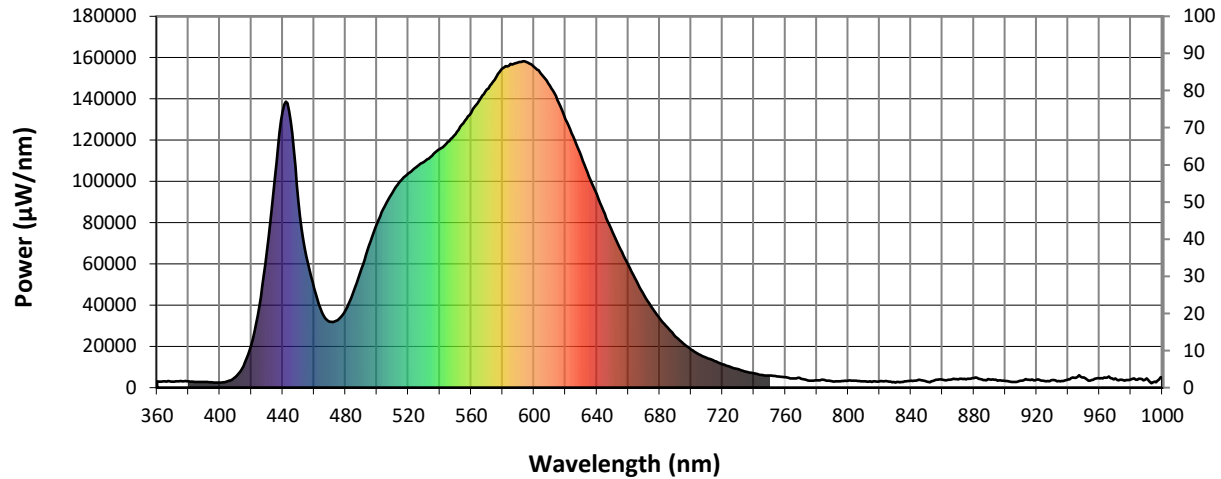
**CIE 1931 Chromaticity Diagram with 2017 ANSI 7-Step and 4-Step Quadrangles**



Point lies inside the ANSI 4000K 4-step quadrangle

REPORT NUMBER: SP1-2309-178-2

**Photopic Flux vs. Wavelength**

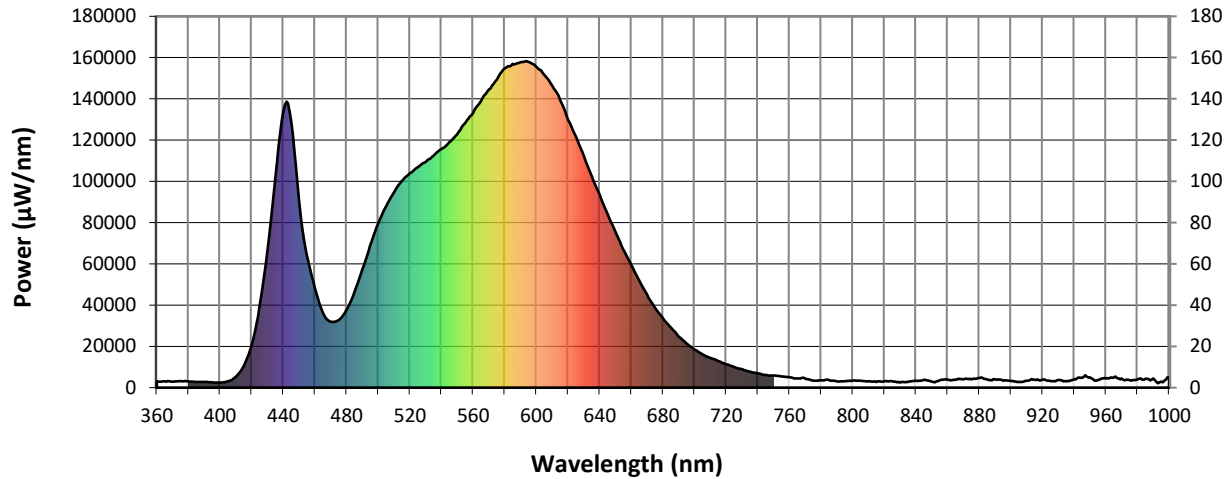


#####

| 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               |           |                  |                  |

REPORT NUMBER: SP1-2309-178-2

Scotopic Flux vs. Wavelength



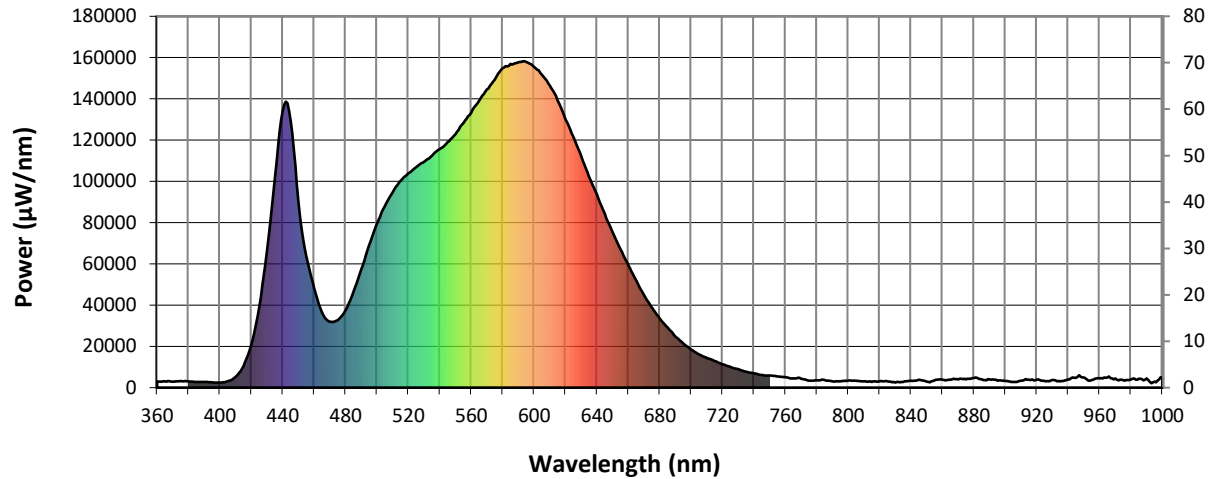
Scotopic Lumens: 14236

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               |           |                  |                  |

REPORT NUMBER: SP1-2309-178-2

**Melanopic Flux vs. Wavelength**



**Melanopic Lumens: 5542.6**

**M/P: 0.62**

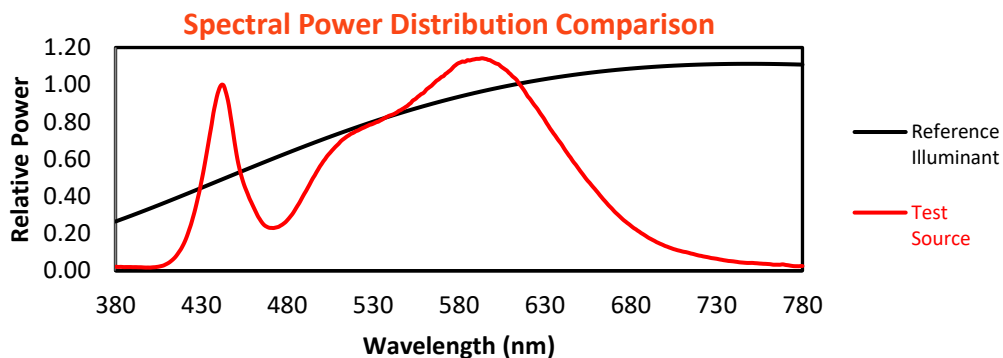
| λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) | λ<br>(nm) | Power<br>(μW/nm) | Lumens<br>(φ/nm) |
|-----------|------------------|------------------|-----------|------------------|------------------|-----------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

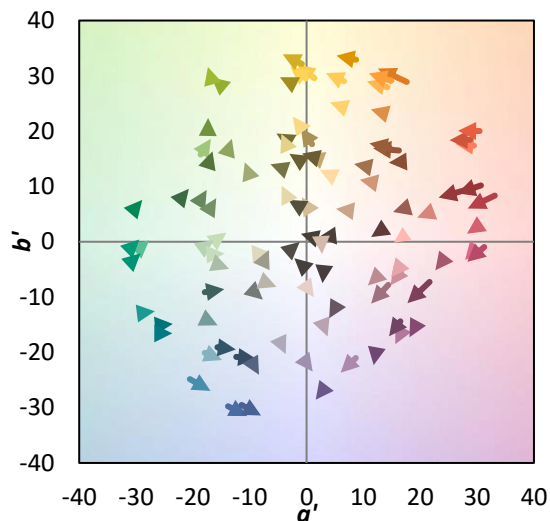
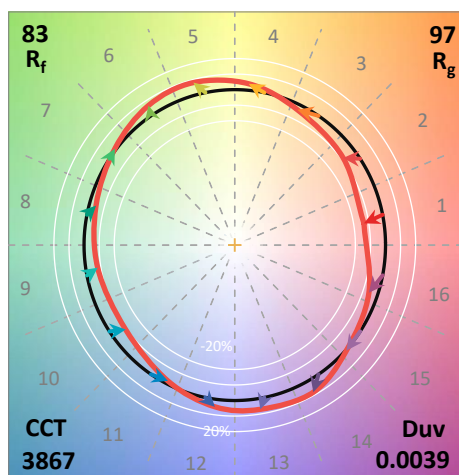
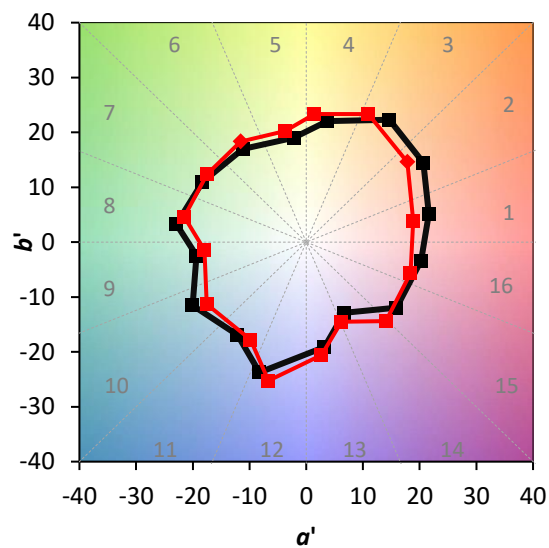
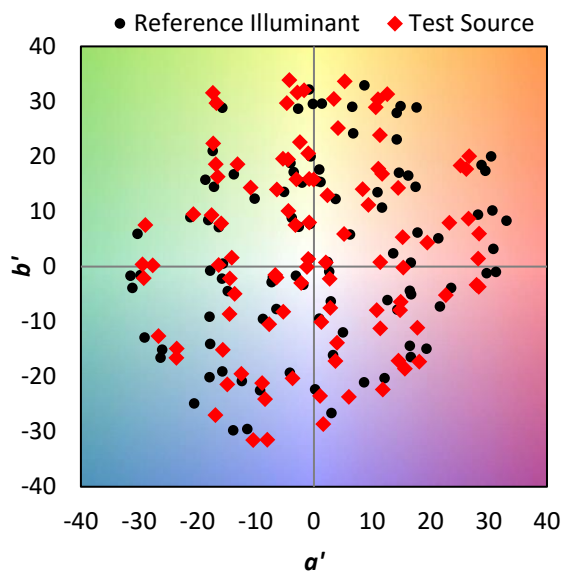
**TM-30-18**

### Summary

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



### Color Vector Graphics

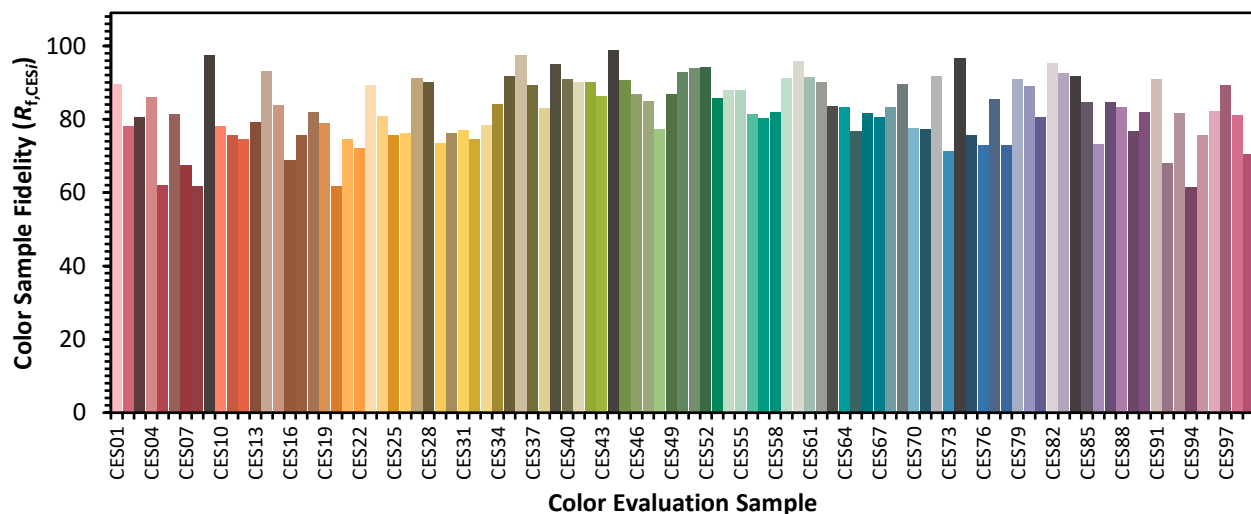


REPORT NUMBER: SP1-2309-178-2

TM-30-18

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

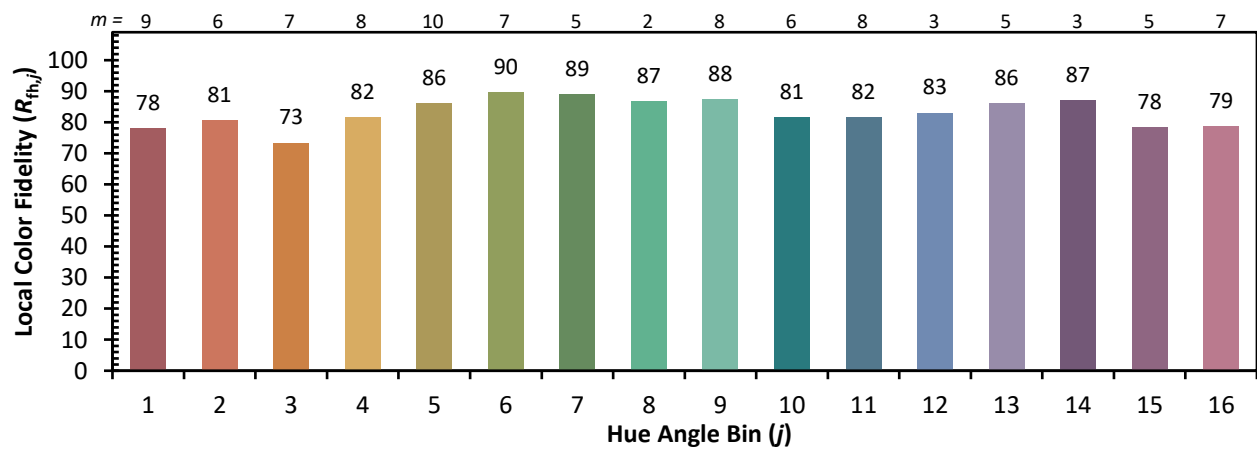
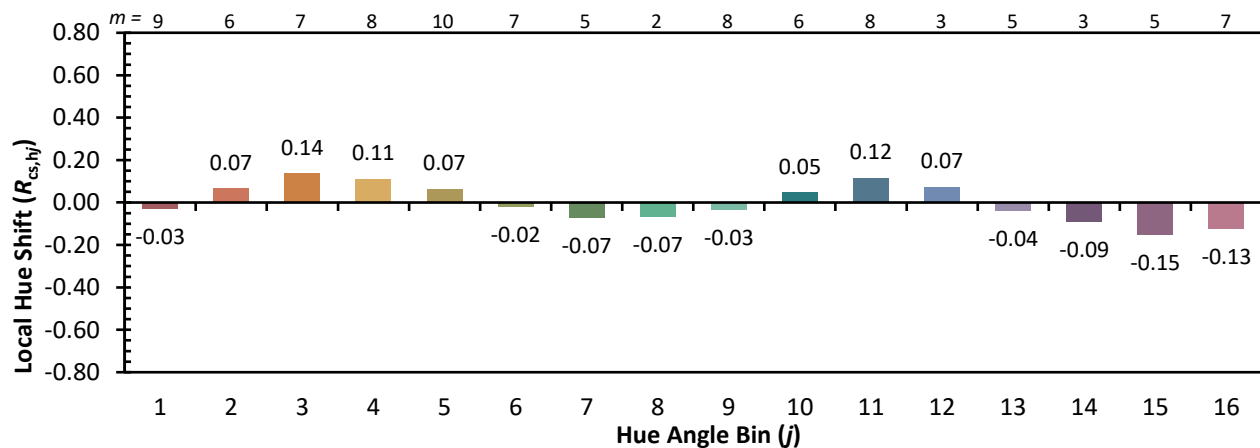
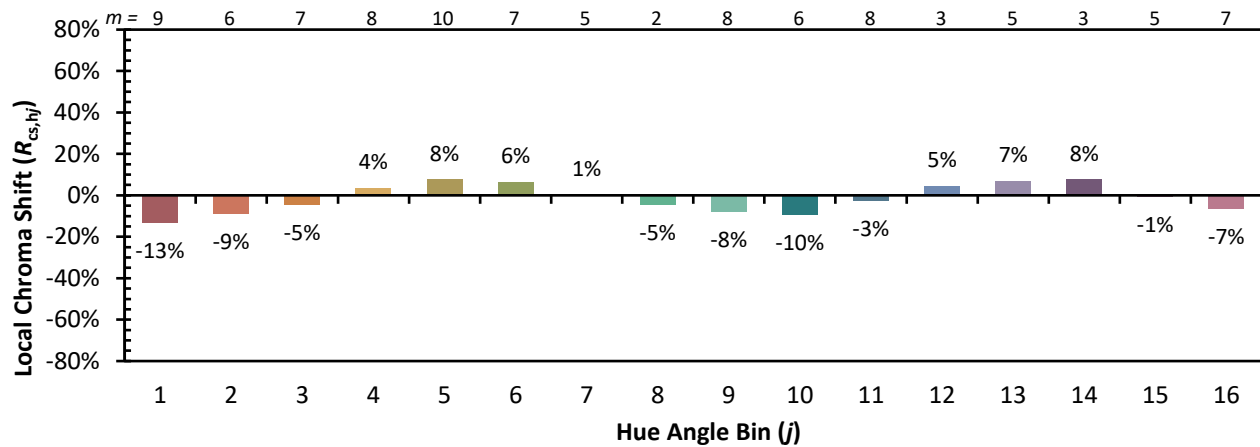
|            |            |            |            |
|------------|------------|------------|------------|
| CES01 = 85 | CES26 = 76 | CES51 = 94 | CES76 = 73 |
| CES02 = 61 | CES27 = 91 | CES52 = 94 | CES77 = 85 |
| CES03 = 31 | CES28 = 90 | CES53 = 86 | CES78 = 73 |
| CES04 = 69 | CES29 = 73 | CES54 = 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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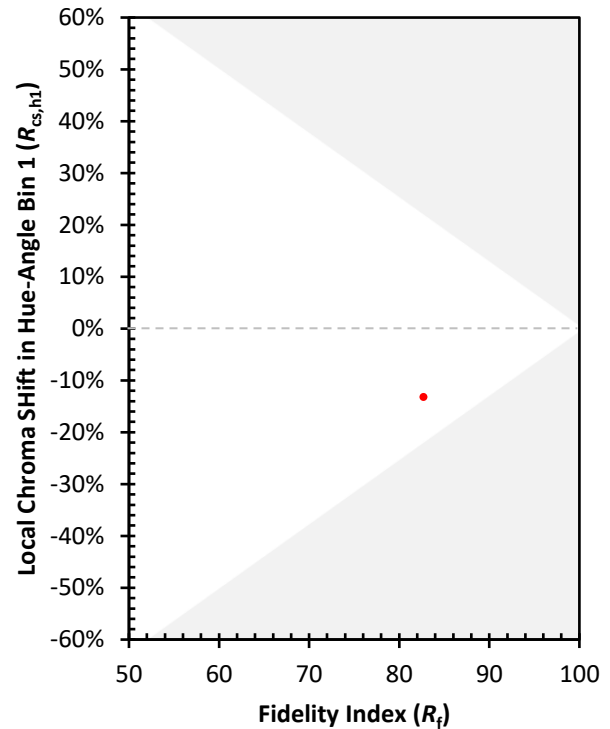
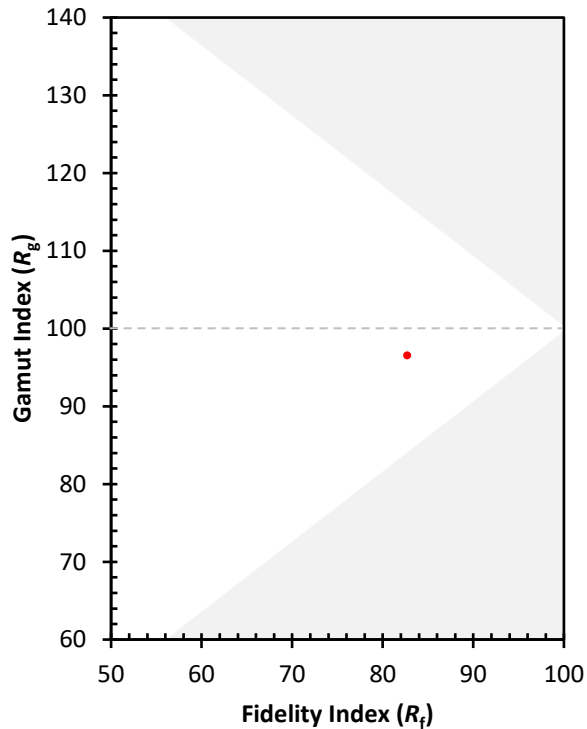
Color Rendition by Hue-Angle Bin



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**Measure Comparisons**



(END OF REPORT)