

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: IRiS

Report Number: P1337453

Luminaire Tested: P3A05R259827DE010 E3A451GPH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337453  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-75)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R259827DE010 E3A451GPH  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A451GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

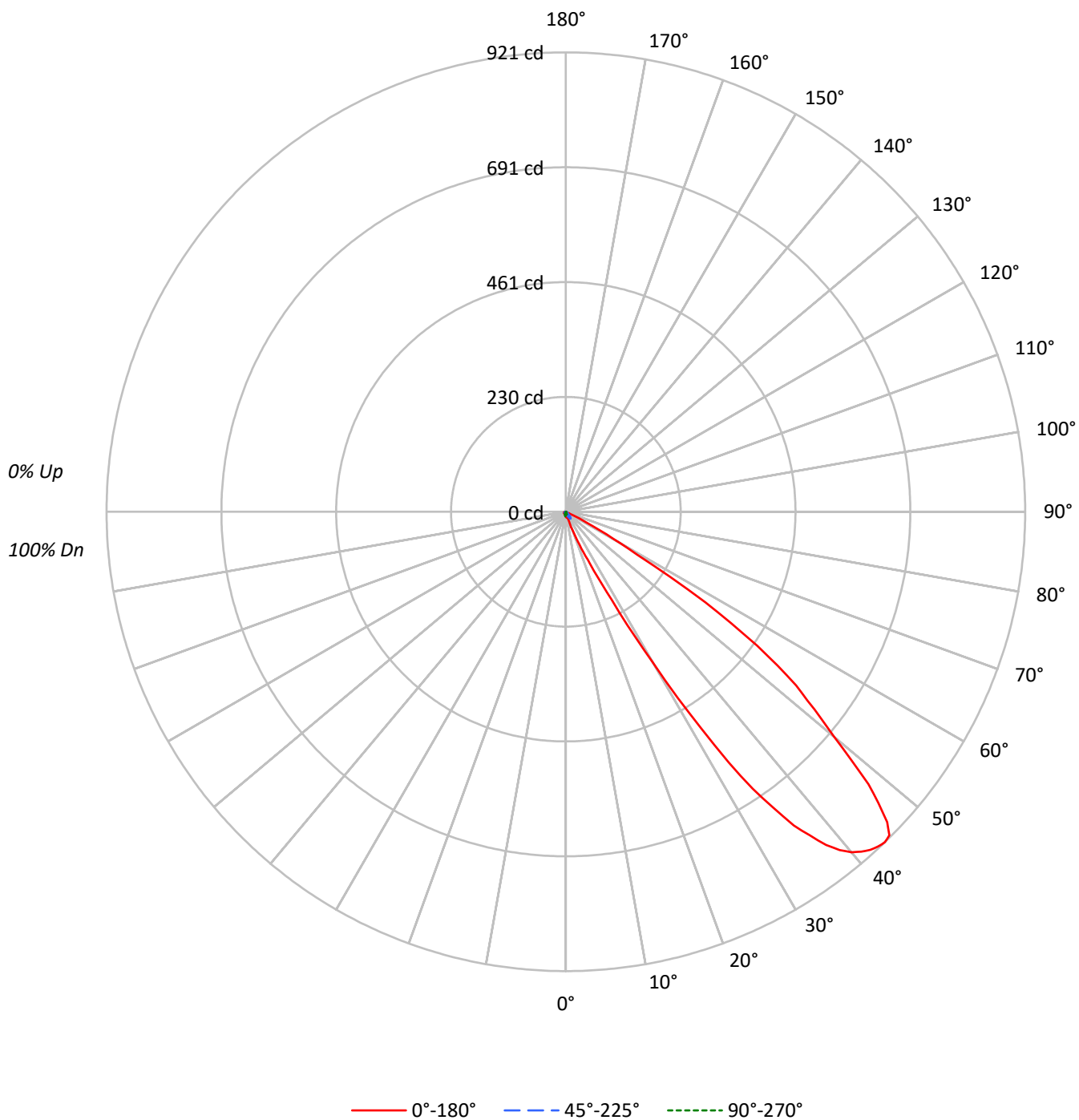
Lumens per Lamp: N/A  
Luminaire Lumens: 192.0 lumens  
Efficiency: N/A  
Efficacy: 26.7 lumens/watt  
Spacing Criteria (0/90/45): 3.65 / 0.6 / 1.37  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF  | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |     |     |     | 20  |
| RC  | 80  |     |     |     | 70  |     |     |     | 50  |     |     |     | 30  |     |     |     | 10  |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 |
| 1   | 110 | 106 | 102 | 99  | 108 | 104 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 64  | 72  | 67  | 63  |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 39  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 39  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 32  |
| 8   | 57  | 43  | 34  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 32  | 27  |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 20  | 31  | 24  | 19  | 30  | 24  | 19  |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 2149   | 2149 | 2149 | 2149 | 2149 |
| 5°  | 2465   | 2333 | 2091 | 1849 | 1827 |
| 10° | 2449   | 2227 | 1759 | 1536 | 1536 |
| 15° | 2724   | 1907 | 1385 | 1294 | 1385 |
| 20° | 9614   | 1890 | 1073 | 1097 | 1213 |
| 25° | 27679  | 2419 | 847  | 1016 | 1186 |
| 30° | 88292  | 3722 | 684  | 987  | 1190 |
| 35° | 193408 | 4390 | 589  | 937  | 1231 |
| 40° | 255107 | 3979 | 487  | 973  | 1317 |
| 45° | 284495 | 2791 | 465  | 1054 | 1427 |
| 50° | 239480 | 1433 | 478  | 1092 | 1569 |
| 55° | 179033 | 573  | 459  | 1223 | 1759 |
| 60° | 55434  | 132  | 439  | 1316 | 1930 |
| 65° | 4722   | 0    | 519  | 1401 | 2127 |
| 70° | 321    | 128  | 513  | 1603 | 2372 |
| 75° | 254    | 169  | 678  | 1694 | 2711 |
| 80° | 253    | 253  | 1010 | 1894 | 3157 |
| 85° | 503    | 503  | 1761 | 2013 | 3522 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 284495 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.9    | 0.5       |
| 10°-20°   | 2.3    | 1.2       |
| 20°-30°   | 10.6   | 5.5       |
| 30°-40°   | 51.1   | 26.6      |
| 40°-50°   | 80.2   | 41.8      |
| 50°-60°   | 41.1   | 21.4      |
| 60°-70°   | 3.9    | 2.0       |
| 70°-80°   | 1.3    | 0.7       |
| 80°-90°   | 0.7    | 0.3       |
| 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°-30°    | 13.8   | 7.2       |
| 0°-40°    | 64.9   | 33.8      |
| 0°-60°    | 186.2  | 97.0      |
| 0°-90°    | 192.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 192.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 10  | 10  | 10  | 10   | 10   |      |
| 5°  | 11  | 11  | 10  | 8    | 8    | 1    |
| 15° | 12  | 8   | 6   | 6    | 6    | 5    |
| 25° | 114 | 10  | 4   | 4    | 5    | 71   |
| 35° | 722 | 16  | 2   | 4    | 5    | 439  |
| 45° | 917 | 9   | 2   | 3    | 5    | 671  |
| 55° | 468 | 2   | 1   | 3    | 5    | 390  |
| 65° | 9   | 0   | 1   | 3    | 4    | 29   |
| 75° | 0   | 0   | 1   | 2    | 3    | 0    |
| 85° | 0   | 0   | 1   | 1    | 1    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1337453

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 2.5°  | 5°    | 7.5°  | 10°   | 12.5° | 15°   | 17.5° | 20°   | 22.5° | 45°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0°    | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8   | 9.8  |
| 2.5°  | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  | 10.6  | 10.5  | 10.5  | 10.6  | 10.5  | 10.5 |
| 5°    | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.0  | 11.0  | 11.0  | 10.6 |
| 7.5°  | 11.3  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.2  | 11.0  | 11.0  | 10.5 |
| 10°   | 11.0  | 11.0  | 11.0  | 11.0  | 10.8  | 10.8  | 10.8  | 10.6  | 10.6  | 10.6  | 10.0 |
| 12.5° | 11.0  | 11.0  | 11.0  | 11.0  | 10.8  | 10.8  | 10.6  | 10.6  | 10.5  | 10.3  | 9.1  |
| 15°   | 12.0  | 12.0  | 12.0  | 11.8  | 11.7  | 11.5  | 11.3  | 11.2  | 11.0  | 10.6  | 8.4  |
| 17.5° | 17.6  | 17.1  | 16.9  | 16.2  | 15.4  | 14.5  | 13.9  | 13.2  | 12.5  | 12.0  | 8.1  |
| 20°   | 41.2  | 41.1  | 40.2  | 38.2  | 36.0  | 33.5  | 30.9  | 28.0  | 24.0  | 21.3  | 8.1  |
| 22.5° | 71.5  | 70.5  | 68.9  | 67.4  | 63.5  | 59.0  | 54.2  | 48.8  | 43.6  | 38.0  | 8.6  |
| 25°   | 114.4 | 116.7 | 111.7 | 107.6 | 100.9 | 92.6  | 83.6  | 76.2  | 66.7  | 58.0  | 10.0 |
| 27.5° | 198.9 | 200.4 | 190.4 | 177.2 | 161.5 | 144.1 | 127.2 | 114.6 | 98.7  | 84.1  | 12.5 |
| 30°   | 348.7 | 350.2 | 333.5 | 305.5 | 273.0 | 244.5 | 205.8 | 171.8 | 140.6 | 116.4 | 14.7 |
| 31°   | 435.2 | 423.4 | 404.0 | 376.8 | 335.7 | 292.6 | 246.2 | 205.1 | 165.6 | 133.8 | 15.4 |
| 32°   | 510.4 | 509.4 | 486.8 | 445.5 | 404.3 | 351.1 | 293.5 | 239.9 | 191.4 | 151.4 | 15.9 |
| 33°   | 599.1 | 592.4 | 560.4 | 521.6 | 467.0 | 413.4 | 339.1 | 277.9 | 218.0 | 171.0 | 16.2 |
| 34°   | 670.2 | 652.0 | 638.8 | 594.4 | 536.8 | 468.5 | 388.9 | 318.1 | 251.1 | 189.9 | 16.4 |
| 35°   | 722.5 | 718.6 | 692.9 | 651.5 | 592.9 | 523.1 | 442.7 | 359.9 | 278.8 | 211.9 | 16.4 |
| 36°   | 777.7 | 765.7 | 740.7 | 703.2 | 646.1 | 573.9 | 483.7 | 396.0 | 311.0 | 231.6 | 16.2 |
| 37°   | 812.3 | 805.2 | 780.4 | 741.7 | 685.8 | 616.9 | 529.7 | 434.2 | 336.7 | 251.4 | 15.9 |
| 38°   | 848.0 | 833.6 | 809.1 | 772.1 | 717.2 | 652.5 | 563.0 | 463.6 | 360.4 | 268.8 | 15.4 |
| 39°   | 872.7 | 857.8 | 832.8 | 795.9 | 742.2 | 678.0 | 589.3 | 488.6 | 381.0 | 281.8 | 14.7 |
| 40°   | 891.2 | 876.9 | 851.5 | 813.7 | 760.6 | 698.1 | 611.3 | 510.8 | 398.2 | 293.1 | 13.9 |
| 41°   | 902.7 | 889.4 | 864.2 | 826.5 | 773.3 | 709.6 | 625.6 | 525.1 | 409.9 | 300.7 | 13.0 |
| 42°   | 912.4 | 898.7 | 873.0 | 834.5 | 781.1 | 719.4 | 634.4 | 534.2 | 417.8 | 304.6 | 12.3 |
| 43°   | 917.8 | 904.1 | 879.1 | 839.7 | 785.8 | 724.0 | 639.2 | 538.5 | 420.5 | 304.1 | 11.2 |
| 44°   | 920.8 | 906.6 | 881.4 | 842.1 | 787.8 | 725.2 | 639.5 | 537.6 | 418.7 | 300.1 | 10.1 |
| 45°   | 917.4 | 903.4 | 879.1 | 839.7 | 784.3 | 721.4 | 636.1 | 533.1 | 411.6 | 292.1 | 9.0  |
| 46°   | 895.5 | 884.7 | 862.3 | 826.2 | 773.1 | 712.0 | 627.5 | 524.3 | 400.6 | 282.3 | 7.6  |
| 47°   | 856.8 | 848.2 | 826.5 | 799.7 | 751.7 | 694.6 | 611.6 | 507.5 | 385.2 | 267.6 | 6.1  |
| 48°   | 816.4 | 803.7 | 783.6 | 756.1 | 715.5 | 663.3 | 585.4 | 483.0 | 361.9 | 248.4 | 5.4  |
| 49°   | 756.8 | 749.3 | 731.6 | 700.8 | 667.2 | 621.2 | 548.4 | 451.6 | 333.3 | 227.4 | 4.7  |
| 50°   | 702.0 | 696.9 | 672.1 | 649.5 | 613.8 | 570.9 | 498.2 | 410.2 | 297.9 | 201.4 | 4.2  |
| 51°   | 659.3 | 653.2 | 635.3 | 607.1 | 569.0 | 519.2 | 450.8 | 356.5 | 257.2 | 170.5 | 3.4  |
| 52°   | 614.7 | 611.3 | 595.4 | 566.3 | 529.0 | 479.3 | 404.6 | 310.9 | 217.6 | 144.1 | 2.7  |
| 53°   | 578.2 | 573.3 | 553.8 | 528.0 | 487.6 | 436.2 | 354.6 | 268.5 | 184.3 | 121.1 | 2.4  |
| 54°   | 524.9 | 522.9 | 510.4 | 483.4 | 439.6 | 383.7 | 309.4 | 226.1 | 153.7 | 102.7 | 2.0  |
| 55°   | 468.3 | 461.6 | 448.9 | 427.5 | 387.2 | 335.0 | 257.0 | 187.4 | 124.4 | 86.5  | 1.5  |
| 56°   | 399.4 | 399.1 | 376.4 | 358.5 | 322.9 | 267.5 | 205.3 | 146.3 | 101.0 | 72.1  | 1.4  |
| 57°   | 333.5 | 322.9 | 301.1 | 283.3 | 245.0 | 202.9 | 152.4 | 109.7 | 79.1  | 58.5  | 1.0  |
| 58°   | 246.7 | 241.1 | 235.4 | 209.3 | 173.9 | 143.8 | 108.8 | 77.0  | 58.5  | 44.6  | 0.7  |
| 59°   | 167.4 | 167.3 | 160.5 | 140.7 | 120.3 | 89.5  | 67.9  | 52.4  | 40.2  | 32.8  | 0.5  |
| 60°   | 126.4 | 123.3 | 109.8 | 96.8  | 75.7  | 56.6  | 40.2  | 30.9  | 25.0  | 21.1  | 0.3  |
| 62.5° | 44.3  | 46.0  | 40.4  | 33.5  | 25.5  | 21.0  | 16.1  | 13.0  | 10.6  | 8.6   | 0.0  |
| 65°   | 9.1   | 10.0  | 8.6   | 8.1   | 6.4   | 5.6   | 4.9   | 4.2   | 3.5   | 3.0   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.2 | 1.0  | 1.0 | 1.0  | 0.8 | 0.8   | 0.8 | 0.8   | 0.7 | 0.7   | 0.2 |
| 70°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.3 | 0.3   | 0.3 | 0.3   | 0.2 |
| 72.5° | 0.5 | 0.5  | 0.5 | 0.3  | 0.3 | 0.3   | 0.3 | 0.3   | 0.3 | 0.2   | 0.2 |
| 75°   | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.3 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.3 | 0.3  | 0.3 | 0.3  | 0.3 | 0.3   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.3 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.0  | 0.0 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 90°   | 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):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 9.8   | 9.8  | 9.8    | 9.8  | 9.8    | 9.8  |
| 2.5°  | 10.3  | 10.0 | 9.5    | 9.3  | 9.1    | 9.1  |
| 5°    | 10.1  | 9.5  | 9.0    | 8.4  | 8.3    | 8.3  |
| 7.5°  | 9.6   | 8.8  | 8.1    | 7.8  | 7.6    | 7.4  |
| 10°   | 9.1   | 7.9  | 7.3    | 6.9  | 6.9    | 6.9  |
| 12.5° | 8.1   | 7.1  | 6.4    | 6.3  | 6.4    | 6.4  |
| 15°   | 7.3   | 6.1  | 5.7    | 5.7  | 5.9    | 6.1  |
| 17.5° | 6.3   | 5.4  | 5.1    | 5.2  | 5.4    | 5.6  |
| 20°   | 5.6   | 4.6  | 4.6    | 4.7  | 5.2    | 5.2  |
| 22.5° | 4.9   | 4.1  | 4.1    | 4.6  | 4.9    | 5.1  |
| 25°   | 4.4   | 3.5  | 3.7    | 4.2  | 4.7    | 4.9  |
| 27.5° | 3.7   | 3.0  | 3.4    | 4.1  | 4.6    | 4.7  |
| 30°   | 3.2   | 2.7  | 3.2    | 3.9  | 4.4    | 4.7  |
| 31°   | 3.0   | 2.5  | 3.2    | 3.7  | 4.4    | 4.7  |
| 32°   | 2.7   | 2.5  | 3.0    | 3.7  | 4.4    | 4.6  |
| 33°   | 2.5   | 2.4  | 3.0    | 3.7  | 4.4    | 4.6  |
| 34°   | 2.4   | 2.2  | 2.9    | 3.7  | 4.4    | 4.6  |
| 35°   | 2.0   | 2.2  | 2.9    | 3.5  | 4.2    | 4.6  |
| 36°   | 1.9   | 2.0  | 2.9    | 3.5  | 4.2    | 4.6  |
| 37°   | 1.7   | 2.0  | 2.7    | 3.5  | 4.2    | 4.6  |
| 38°   | 1.5   | 1.9  | 2.7    | 3.5  | 4.2    | 4.6  |
| 39°   | 1.4   | 1.9  | 2.5    | 3.5  | 4.2    | 4.6  |
| 40°   | 1.2   | 1.7  | 2.5    | 3.4  | 4.2    | 4.6  |
| 41°   | 1.2   | 1.7  | 2.5    | 3.4  | 4.2    | 4.6  |
| 42°   | 1.0   | 1.7  | 2.5    | 3.4  | 4.2    | 4.6  |
| 43°   | 0.8   | 1.5  | 2.5    | 3.4  | 4.2    | 4.6  |
| 44°   | 0.7   | 1.5  | 2.4    | 3.4  | 4.2    | 4.6  |
| 45°   | 0.7   | 1.5  | 2.4    | 3.4  | 4.2    | 4.6  |
| 46°   | 0.5   | 1.4  | 2.4    | 3.4  | 4.2    | 4.6  |
| 47°   | 0.3   | 1.4  | 2.4    | 3.2  | 4.2    | 4.6  |
| 48°   | 0.3   | 1.4  | 2.4    | 3.2  | 4.2    | 4.6  |
| 49°   | 0.3   | 1.4  | 2.2    | 3.2  | 4.2    | 4.6  |
| 50°   | 0.3   | 1.4  | 2.2    | 3.2  | 4.2    | 4.6  |
| 51°   | 0.2   | 1.2  | 2.2    | 3.2  | 4.2    | 4.6  |
| 52°   | 0.2   | 1.2  | 2.2    | 3.2  | 4.2    | 4.7  |
| 53°   | 0.2   | 1.2  | 2.2    | 3.2  | 4.2    | 4.6  |
| 54°   | 0.2   | 1.2  | 2.0    | 3.2  | 4.2    | 4.6  |
| 55°   | 0.2   | 1.2  | 2.0    | 3.2  | 4.2    | 4.6  |
| 56°   | 0.2   | 1.0  | 2.0    | 3.0  | 4.2    | 4.6  |
| 57°   | 0.3   | 1.0  | 2.0    | 3.0  | 4.2    | 4.4  |
| 58°   | 0.3   | 1.0  | 2.0    | 3.0  | 4.1    | 4.4  |
| 59°   | 0.3   | 1.0  | 2.0    | 3.0  | 4.1    | 4.4  |
| 60°   | 0.3   | 1.0  | 1.9    | 3.0  | 4.1    | 4.4  |
| 62.5° | 0.3   | 1.0  | 1.9    | 2.9  | 3.9    | 4.2  |
| 65°   | 0.3   | 1.0  | 1.7    | 2.7  | 3.9    | 4.1  |



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CATALOG NUMBER: P3A05R259827DE010 E3A451GPH

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.3   | 0.8 | 1.7    | 2.5  | 3.7    | 3.9  |
| 70°   | 0.5   | 0.8 | 1.5    | 2.5  | 3.5    | 3.7  |
| 72.5° | 0.5   | 0.8 | 1.5    | 2.2  | 3.2    | 3.5  |
| 75°   | 0.5   | 0.8 | 1.4    | 2.0  | 3.0    | 3.2  |
| 77.5° | 0.5   | 0.8 | 1.2    | 1.9  | 2.7    | 2.9  |
| 80°   | 0.7   | 0.8 | 1.0    | 1.5  | 2.4    | 2.5  |
| 82.5° | 0.7   | 0.8 | 0.8    | 1.2  | 1.9    | 2.0  |
| 85°   | 0.5   | 0.7 | 0.7    | 0.8  | 1.2    | 1.4  |
| 87.5° | 0.5   | 0.7 | 0.5    | 0.3  | 0.7    | 0.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)