

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: P1337545

Luminaire Tested: P3A05R25B2750DE010 E3A301MW\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337545  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R25B2750DE010 E3A301MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3A301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

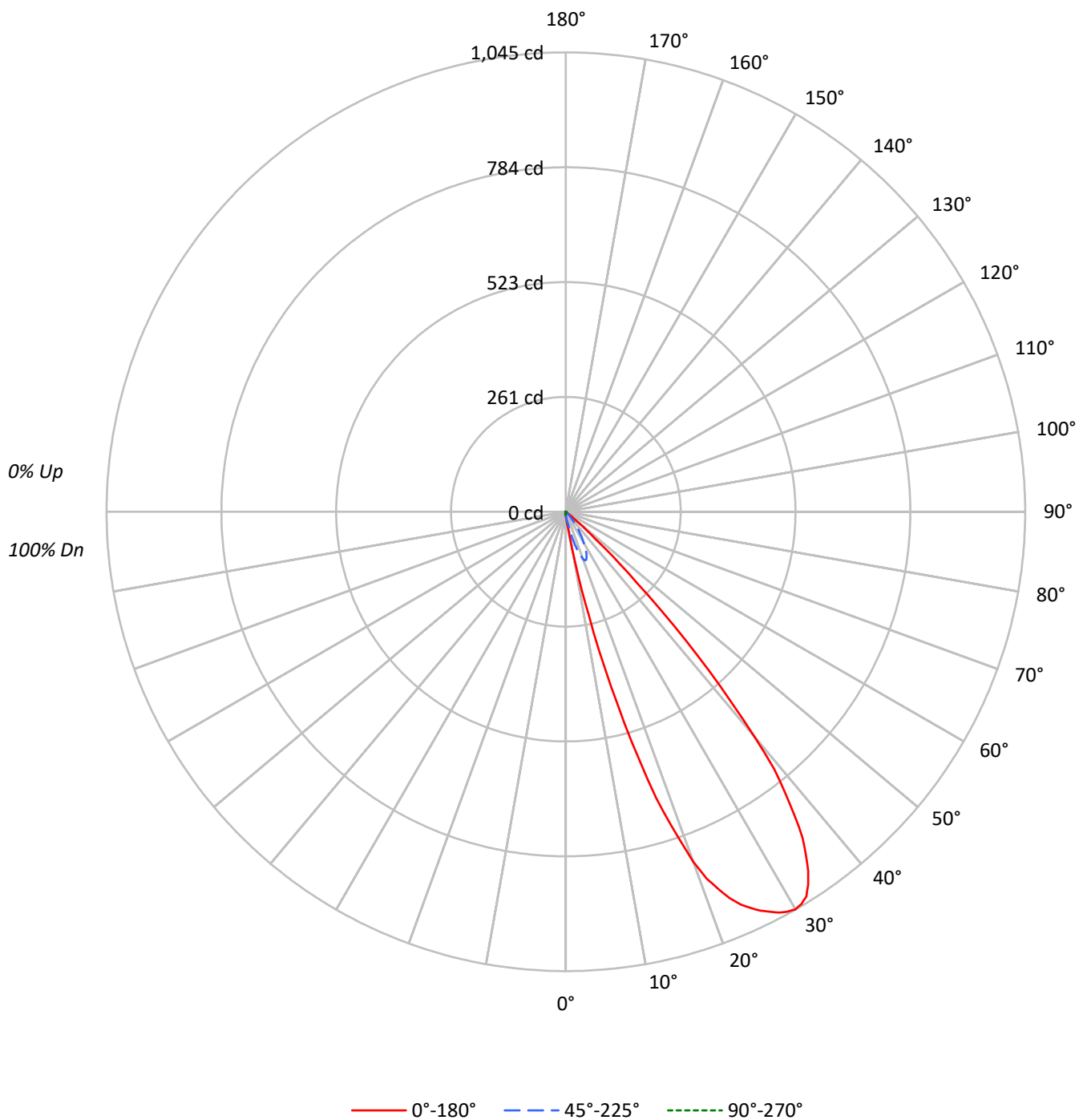
Lumens per Lamp: N/A  
Luminaire Lumens: 209.0 lumens  
Efficiency: N/A  
Efficacy: 35.4 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.9  
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  | 50  | 30 | 10 |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 103 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 87  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 52  | 48  | 69  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 50  | 47  | 45  |    |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1974   | 1974  | 1974 | 1974 | 1974 |
| 5°  | 4931   | 3654  | 1849 | 947  | 726  |
| 10° | 21576  | 6212  | 1514 | 423  | 312  |
| 15° | 102611 | 16731 | 1067 | 182  | 136  |
| 20° | 197534 | 26812 | 677  | 47   | 47   |
| 25° | 240570 | 27026 | 387  | 0    | 0    |
| 30° | 264496 | 20687 | 152  | 0    | 0    |
| 35° | 254897 | 13144 | 54   | 0    | 0    |
| 40° | 190443 | 5696  | 0    | 0    | 57   |
| 45° | 70519  | 1520  | 62   | 62   | 186  |
| 50° | 8324   | 205   | 136  | 136  | 273  |
| 55° | 803    | 0     | 153  | 229  | 382  |
| 60° | 88     | 0     | 263  | 351  | 439  |
| 65° | 104    | 104   | 415  | 519  | 623  |
| 70° | 128    | 128   | 513  | 513  | 769  |
| 75° | 169    | 169   | 508  | 508  | 678  |
| 80° | 0      | 253   | 758  | 505  | 758  |
| 85° | 0      | 503   | 1510 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 70519 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.3    | 0.6       |
| 10°-20°   | 24.4   | 11.7      |
| 20°-30°   | 76.5   | 36.6      |
| 30°-40°   | 80.5   | 38.5      |
| 40°-50°   | 23.7   | 11.3      |
| 50°-60°   | 1.3    | 0.6       |
| 60°-70°   | 0.6    | 0.3       |
| 70°-80°   | 0.5    | 0.3       |
| 80°-90°   | 0.3    | 0.1       |
| 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°    | 102.2  | 48.9      |
| 0°-40°    | 182.7  | 87.4      |
| 0°-60°    | 207.6  | 99.3      |
| 0°-90°    | 209.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 209.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 9   | 9   | 9   | 9    | 9    |      |
| 5°  | 22  | 17  | 8   | 4    | 3    | 4    |
| 15° | 452 | 74  | 5   | 1    | 1    | 142  |
| 25° | 994 | 112 | 2   | 0    | 0    | 456  |
| 35° | 952 | 49  | 0   | 0    | 0    | 575  |
| 45° | 227 | 5   | 0   | 0    | 1    | 207  |
| 55° | 2   | 0   | 0   | 1    | 1    | 5    |
| 65° | 0   | 0   | 1   | 1    | 1    | 0    |
| 75° | 0   | 0   | 1   | 1    | 1    | 0    |
| 85° | 0   | 0   | 1   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°   | 15°   | 20°   | 25°   | 30°   | 45°   | 67.5° | 90° | 112.5° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-----|--------|
| 0°    | 9.0    | 9.0    | 9.0   | 9.0   | 9.0   | 9.0   | 9.0   | 9.0   | 9.0   | 9.0 | 9.0    |
| 2.5°  | 13.8   | 14.0   | 13.5  | 13.8  | 13.5  | 13.3  | 13.1  | 12.1  | 10.5  | 9.0 | 7.4    |
| 5°    | 22.4   | 22.4   | 21.4  | 21.3  | 20.9  | 20.1  | 19.3  | 16.6  | 11.9  | 8.4 | 5.8    |
| 7.5°  | 35.1   | 34.9   | 34.5  | 33.5  | 31.6  | 29.6  | 27.7  | 21.6  | 13.1  | 7.8 | 4.5    |
| 10°   | 96.9   | 95.5   | 93.8  | 83.3  | 71.4  | 60.8  | 51.7  | 27.9  | 14.0  | 6.8 | 3.3    |
| 12.5° | 240.8  | 233.0  | 214.5 | 193.4 | 166.5 | 138.3 | 110.6 | 45.4  | 14.4  | 5.7 | 2.3    |
| 15°   | 452.0  | 435.8  | 407.0 | 364.8 | 309.9 | 248.0 | 195.4 | 73.7  | 14.0  | 4.7 | 1.8    |
| 17.5° | 682.5  | 666.9  | 626.9 | 563.0 | 482.0 | 387.1 | 293.9 | 97.7  | 13.1  | 3.9 | 1.2    |
| 20°   | 846.5  | 829.9  | 792.5 | 724.6 | 637.1 | 510.5 | 386.9 | 114.9 | 12.3  | 2.9 | 0.6    |
| 21°   | 894.5  | 877.9  | 838.3 | 772.8 | 680.7 | 553.8 | 416.7 | 117.8 | 11.7  | 2.5 | 0.4    |
| 22°   | 924.9  | 915.1  | 872.6 | 809.1 | 715.3 | 588.5 | 442.3 | 119.1 | 11.3  | 2.3 | 0.4    |
| 23°   | 955.5  | 940.9  | 901.1 | 834.0 | 741.6 | 614.2 | 461.2 | 118.2 | 10.9  | 1.9 | 0.2    |
| 24°   | 978.1  | 965.8  | 919.6 | 853.3 | 759.9 | 630.0 | 472.3 | 115.6 | 10.3  | 1.8 | 0.2    |
| 25°   | 994.3  | 983.0  | 934.8 | 866.4 | 772.2 | 638.6 | 475.8 | 111.7 | 9.7   | 1.6 | 0.2    |
| 26°   | 1009.7 | 997.4  | 947.5 | 874.0 | 778.6 | 641.4 | 472.5 | 107.4 | 9.2   | 1.4 | 0.0    |
| 27°   | 1020.8 | 1008.3 | 956.3 | 878.5 | 779.0 | 638.0 | 463.5 | 101.6 | 8.6   | 1.2 | 0.0    |
| 28°   | 1032.7 | 1018.3 | 962.3 | 881.0 | 776.7 | 630.2 | 450.6 | 95.4  | 8.2   | 1.0 | 0.0    |
| 29°   | 1039.9 | 1026.3 | 968.6 | 883.7 | 771.8 | 617.2 | 431.9 | 87.9  | 7.2   | 0.6 | 0.0    |
| 30°   | 1044.6 | 1028.4 | 968.0 | 880.8 | 765.4 | 603.1 | 409.5 | 81.7  | 6.2   | 0.6 | 0.0    |
| 31°   | 1040.7 | 1023.7 | 961.7 | 872.6 | 755.0 | 584.8 | 386.5 | 73.9  | 5.1   | 0.4 | 0.0    |
| 32°   | 1032.3 | 1012.2 | 950.8 | 858.4 | 736.5 | 561.2 | 362.7 | 67.5  | 3.7   | 0.4 | 0.0    |
| 33°   | 1011.9 | 994.9  | 931.1 | 839.3 | 712.3 | 529.2 | 331.7 | 61.2  | 2.5   | 0.2 | 0.0    |
| 34°   | 986.1  | 969.1  | 904.2 | 813.7 | 680.0 | 487.9 | 294.1 | 54.8  | 2.1   | 0.2 | 0.0    |
| 35°   | 952.2  | 935.4  | 873.8 | 778.0 | 637.1 | 438.2 | 255.3 | 49.1  | 1.8   | 0.2 | 0.0    |
| 36°   | 916.5  | 894.3  | 835.4 | 740.0 | 579.5 | 381.6 | 213.7 | 42.7  | 1.4   | 0.2 | 0.0    |
| 37°   | 864.0  | 849.0  | 783.7 | 682.1 | 517.3 | 327.4 | 183.5 | 36.9  | 1.0   | 0.2 | 0.0    |
| 38°   | 809.6  | 795.8  | 732.0 | 623.8 | 447.9 | 273.8 | 153.7 | 31.2  | 0.8   | 0.0 | 0.0    |
| 39°   | 753.5  | 730.5  | 667.5 | 549.1 | 375.2 | 229.3 | 129.3 | 26.1  | 0.4   | 0.0 | 0.0    |
| 40°   | 665.3  | 647.8  | 580.5 | 459.4 | 310.4 | 185.8 | 110.2 | 19.9  | 0.4   | 0.0 | 0.0    |
| 42.5° | 441.1  | 424.7  | 354.1 | 249.2 | 165.0 | 108.6 | 72.7  | 7.8   | 0.0   | 0.2 | 0.0    |
| 45°   | 227.4  | 217.0  | 176.3 | 130.5 | 93.6  | 66.7  | 46.8  | 4.9   | 0.0   | 0.2 | 0.2    |
| 47.5° | 90.3   | 88.5   | 79.9  | 69.0  | 53.2  | 39.6  | 25.5  | 2.1   | 0.0   | 0.2 | 0.2    |
| 50°   | 24.4   | 24.6   | 23.0  | 21.3  | 19.3  | 18.1  | 10.7  | 0.6   | 0.0   | 0.4 | 0.2    |
| 52.5° | 10.3   | 10.5   | 10.1  | 9.6   | 8.6   | 6.4   | 4.3   | 0.2   | 0.2   | 0.4 | 0.4    |
| 55°   | 2.1    | 2.3    | 2.5   | 2.7   | 3.1   | 2.7   | 1.8   | 0.0   | 0.2   | 0.4 | 0.4    |
| 57.5° | 0.4    | 0.4    | 0.4   | 0.4   | 0.6   | 0.6   | 0.4   | 0.0   | 0.2   | 0.4 | 0.6    |
| 60°   | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.4   | 0.6 | 0.6    |
| 62.5° | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.6 | 0.8    |
| 65°   | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.4   | 0.8 | 0.8    |
| 67.5° | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   | 0.8 | 0.8    |
| 70°   | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   | 0.8 | 0.8    |
| 72.5° | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   | 0.8 | 0.6    |
| 75°   | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.6   | 0.6 | 0.6    |
| 77.5° | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.4   | 0.6 | 0.6    |
| 80°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.4   | 0.6 | 0.4    |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.4   | 0.6 | 0.4    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.6 | 0.4    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.6 | 0.4    |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0    |

TEST NUMBER: P1337545

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 9.0  | 9.0    | 9.0  |
| 2.5°  | 6.2  | 5.7    | 5.5  |
| 5°    | 4.3  | 3.7    | 3.3  |
| 7.5°  | 2.9  | 2.3    | 2.1  |
| 10°   | 1.9  | 1.6    | 1.4  |
| 12.5° | 1.4  | 0.8    | 0.8  |
| 15°   | 0.8  | 0.6    | 0.6  |
| 17.5° | 0.4  | 0.2    | 0.2  |
| 20°   | 0.2  | 0.2    | 0.2  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.2  |
| 39°   | 0.0  | 0.2    | 0.2  |
| 40°   | 0.0  | 0.2    | 0.2  |
| 42.5° | 0.0  | 0.2    | 0.4  |
| 45°   | 0.2  | 0.4    | 0.6  |
| 47.5° | 0.4  | 0.6    | 0.8  |
| 50°   | 0.4  | 0.8    | 0.8  |
| 52.5° | 0.6  | 0.8    | 1.0  |
| 55°   | 0.6  | 1.0    | 1.0  |
| 57.5° | 0.8  | 1.0    | 1.2  |
| 60°   | 0.8  | 1.0    | 1.0  |
| 62.5° | 0.8  | 1.2    | 1.2  |
| 65°   | 1.0  | 1.2    | 1.2  |
| 67.5° | 1.0  | 1.2    | 1.2  |
| 70°   | 0.8  | 1.0    | 1.2  |
| 72.5° | 0.8  | 1.0    | 1.0  |
| 75°   | 0.6  | 0.8    | 0.8  |
| 77.5° | 0.6  | 0.6    | 0.8  |
| 80°   | 0.4  | 0.6    | 0.6  |

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.4  | 0.4    | 0.4  |
| 85°   | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.2  | 0.2    | 0.2  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)