

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: P1337553

Luminaire Tested: P3A05R25B2750DE010 E3A301WMH\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337553  
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 E3A301WMH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 3000K CCT AND, 90CRI , E3A301WMH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

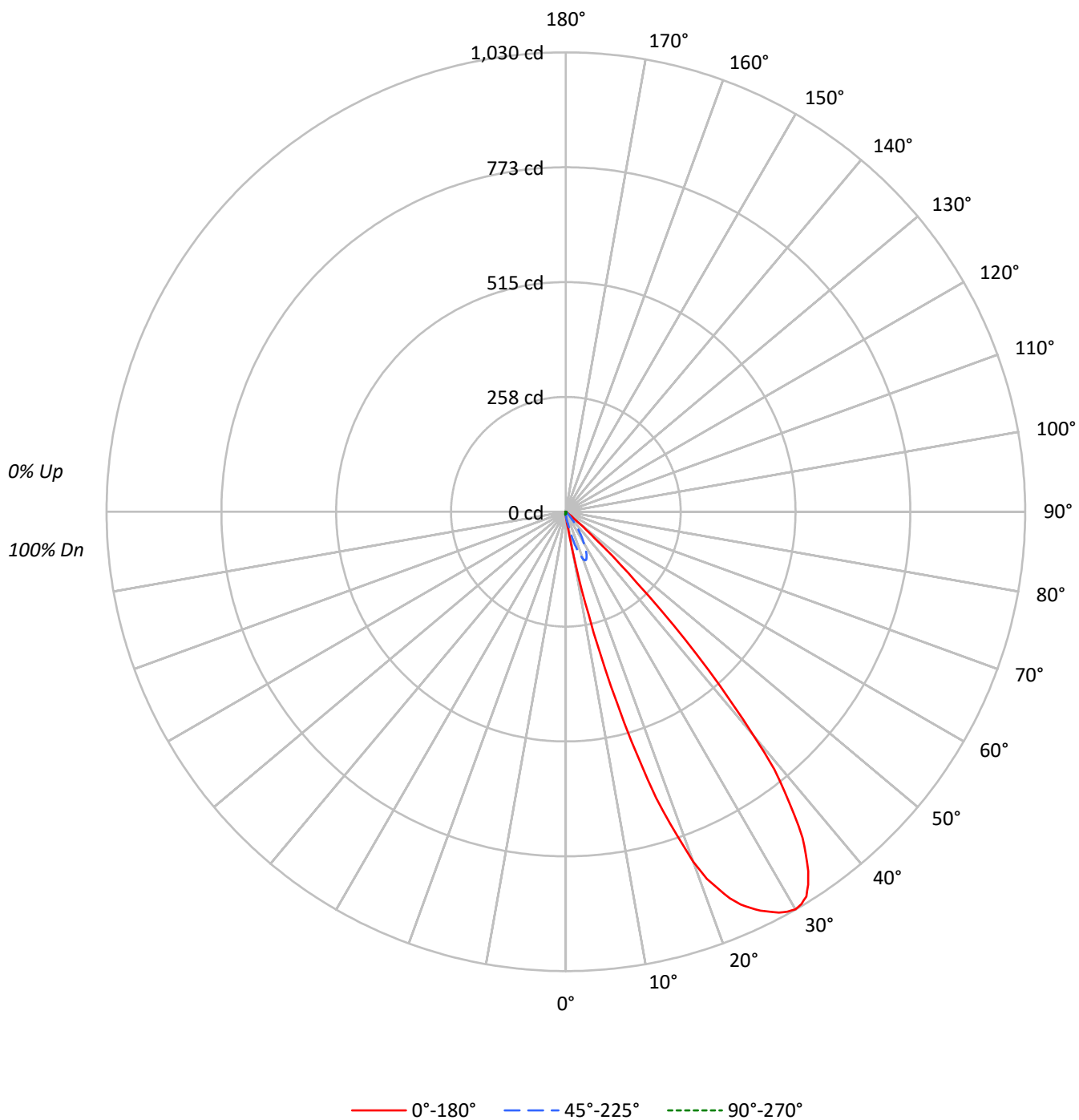
Lumens per Lamp: N/A  
Luminaire Lumens: 206.1 lumens  
Efficiency: N/A  
Efficacy: 34.9 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1930   | 1930  | 1930 | 1930 | 1930 |
| 5°  | 4865   | 3588  | 1827 | 924  | 726  |
| 10° | 21264  | 6123  | 1492 | 423  | 289  |
| 15° | 101136 | 16504 | 1044 | 182  | 136  |
| 20° | 194687 | 26416 | 677  | 47   | 47   |
| 25° | 237110 | 26639 | 363  | 0    | 0    |
| 30° | 260698 | 20383 | 152  | 0    | 0    |
| 35° | 251229 | 12956 | 54   | 0    | 0    |
| 40° | 187723 | 5611  | 0    | 0    | 57   |
| 45° | 69496  | 1489  | 62   | 62   | 186  |
| 50° | 8187   | 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: 69496 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.3    | 0.6       |
| 10°-20°   | 24.0   | 11.7      |
| 20°-30°   | 75.4   | 36.6      |
| 30°-40°   | 79.4   | 38.5      |
| 40°-50°   | 23.3   | 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       |
| <hr/>     |        |           |
| 0°-30°    | 100.7  | 48.9      |
| 0°-40°    | 180.0  | 87.4      |
| 0°-60°    | 204.6  | 99.3      |
| 0°-90°    | 206.1  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 206.1  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 9   | 9   | 9   | 9    | 9    |      |
| 5°  | 22  | 16  | 8   | 4    | 3    | 4    |
| 15° | 446 | 73  | 5   | 1    | 1    | 140  |
| 25° | 980 | 110 | 2   | 0    | 0    | 450  |
| 35° | 938 | 48  | 0   | 0    | 0    | 566  |
| 45° | 224 | 5   | 0   | 0    | 1    | 204  |
| 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°    | 8.8    | 8.8    | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8   | 8.8 | 8.8    |
| 2.5°  | 13.6   | 13.8   | 13.3  | 13.6  | 13.3  | 13.1  | 12.9  | 11.9  | 10.4  | 8.8 | 7.3    |
| 5°    | 22.1   | 22.1   | 21.1  | 20.9  | 20.6  | 19.8  | 19.0  | 16.3  | 11.7  | 8.3 | 5.8    |
| 7.5°  | 34.6   | 34.4   | 34.0  | 33.1  | 31.1  | 29.2  | 27.3  | 21.3  | 12.9  | 7.7 | 4.4    |
| 10°   | 95.5   | 94.2   | 92.4  | 82.1  | 70.3  | 60.0  | 50.9  | 27.5  | 13.8  | 6.7 | 3.3    |
| 12.5° | 237.4  | 229.7  | 211.4 | 190.7 | 164.1 | 136.3 | 109.0 | 44.8  | 14.2  | 5.6 | 2.3    |
| 15°   | 445.5  | 429.6  | 401.1 | 359.6 | 305.4 | 244.5 | 192.6 | 72.7  | 13.8  | 4.6 | 1.7    |
| 17.5° | 672.7  | 657.3  | 617.9 | 554.9 | 475.1 | 381.5 | 289.6 | 96.3  | 12.9  | 3.8 | 1.2    |
| 20°   | 834.3  | 818.0  | 781.1 | 714.2 | 627.9 | 503.2 | 381.3 | 113.2 | 12.1  | 2.9 | 0.6    |
| 21°   | 881.6  | 865.3  | 826.3 | 761.7 | 671.0 | 545.8 | 410.7 | 116.1 | 11.5  | 2.5 | 0.4    |
| 22°   | 911.6  | 902.0  | 860.1 | 797.4 | 705.0 | 580.1 | 435.9 | 117.4 | 11.1  | 2.3 | 0.4    |
| 23°   | 941.8  | 927.4  | 888.2 | 822.0 | 730.9 | 605.4 | 454.6 | 116.5 | 10.8  | 1.9 | 0.2    |
| 24°   | 964.1  | 952.0  | 906.4 | 841.1 | 749.0 | 621.0 | 465.5 | 114.0 | 10.2  | 1.7 | 0.2    |
| 25°   | 980.0  | 968.9  | 921.4 | 853.9 | 761.1 | 629.5 | 469.0 | 110.1 | 9.6   | 1.5 | 0.2    |
| 26°   | 995.2  | 983.1  | 933.9 | 861.4 | 767.5 | 632.1 | 465.7 | 105.9 | 9.0   | 1.3 | 0.0    |
| 27°   | 1006.2 | 993.9  | 942.6 | 865.9 | 767.8 | 628.9 | 456.9 | 100.1 | 8.5   | 1.2 | 0.0    |
| 28°   | 1017.9 | 1003.7 | 948.5 | 868.4 | 765.5 | 621.2 | 444.2 | 94.0  | 8.1   | 1.0 | 0.0    |
| 29°   | 1025.0 | 1011.6 | 954.7 | 871.1 | 760.7 | 608.3 | 425.7 | 86.7  | 7.1   | 0.6 | 0.0    |
| 30°   | 1029.6 | 1013.7 | 954.1 | 868.2 | 754.4 | 594.5 | 403.6 | 80.5  | 6.2   | 0.6 | 0.0    |
| 31°   | 1025.8 | 1009.1 | 947.9 | 860.1 | 744.2 | 576.4 | 380.9 | 72.8  | 5.0   | 0.4 | 0.0    |
| 32°   | 1017.5 | 997.7  | 937.2 | 846.1 | 725.9 | 553.2 | 357.5 | 66.5  | 3.7   | 0.4 | 0.0    |
| 33°   | 997.3  | 980.6  | 917.8 | 827.2 | 702.1 | 521.6 | 326.9 | 60.4  | 2.5   | 0.2 | 0.0    |
| 34°   | 972.0  | 955.2  | 891.2 | 802.1 | 670.2 | 480.9 | 289.8 | 54.0  | 2.1   | 0.2 | 0.0    |
| 35°   | 938.5  | 922.0  | 861.3 | 766.9 | 627.9 | 431.9 | 251.6 | 48.4  | 1.7   | 0.2 | 0.0    |
| 36°   | 903.3  | 881.4  | 823.4 | 729.4 | 571.2 | 376.1 | 210.7 | 42.1  | 1.3   | 0.2 | 0.0    |
| 37°   | 851.6  | 836.8  | 772.5 | 672.3 | 509.9 | 322.7 | 180.9 | 36.3  | 1.0   | 0.2 | 0.0    |
| 38°   | 798.0  | 784.4  | 721.5 | 614.8 | 441.5 | 269.8 | 151.5 | 30.8  | 0.8   | 0.0 | 0.0    |
| 39°   | 742.7  | 720.0  | 657.9 | 541.2 | 369.8 | 226.0 | 127.4 | 25.8  | 0.4   | 0.0 | 0.0    |
| 40°   | 655.8  | 638.5  | 572.2 | 452.8 | 306.0 | 183.2 | 108.6 | 19.6  | 0.4   | 0.0 | 0.0    |
| 42.5° | 434.8  | 418.6  | 349.0 | 245.6 | 162.6 | 107.1 | 71.7  | 7.7   | 0.0   | 0.2 | 0.0    |
| 45°   | 224.1  | 213.9  | 173.7 | 128.6 | 92.3  | 65.7  | 46.1  | 4.8   | 0.0   | 0.2 | 0.2    |
| 47.5° | 89.0   | 87.3   | 78.8  | 68.0  | 52.5  | 39.0  | 25.2  | 2.1   | 0.0   | 0.2 | 0.2    |
| 50°   | 24.0   | 24.2   | 22.7  | 20.9  | 19.0  | 17.9  | 10.6  | 0.6   | 0.0   | 0.4 | 0.2    |
| 52.5° | 10.2   | 10.4   | 10.0  | 9.4   | 8.5   | 6.3   | 4.2   | 0.2   | 0.2   | 0.4 | 0.4    |
| 55°   | 2.1    | 2.3    | 2.5   | 2.7   | 3.1   | 2.7   | 1.7   | 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    |

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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 8.8  | 8.8    | 8.8  |
| 2.5°  | 6.2  | 5.6    | 5.4  |
| 5°    | 4.2  | 3.7    | 3.3  |
| 7.5°  | 2.9  | 2.3    | 2.1  |
| 10°   | 1.9  | 1.5    | 1.3  |
| 12.5° | 1.3  | 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)