

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: P1337451

Luminaire Tested: P3A05R259827DE010 E3A301WH

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337451  
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: P3A05R259827DE010 E3A301WH  
Description: 3in Adjustable LED luminaire with, R25 optic, 2700K CCT AND, 98CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

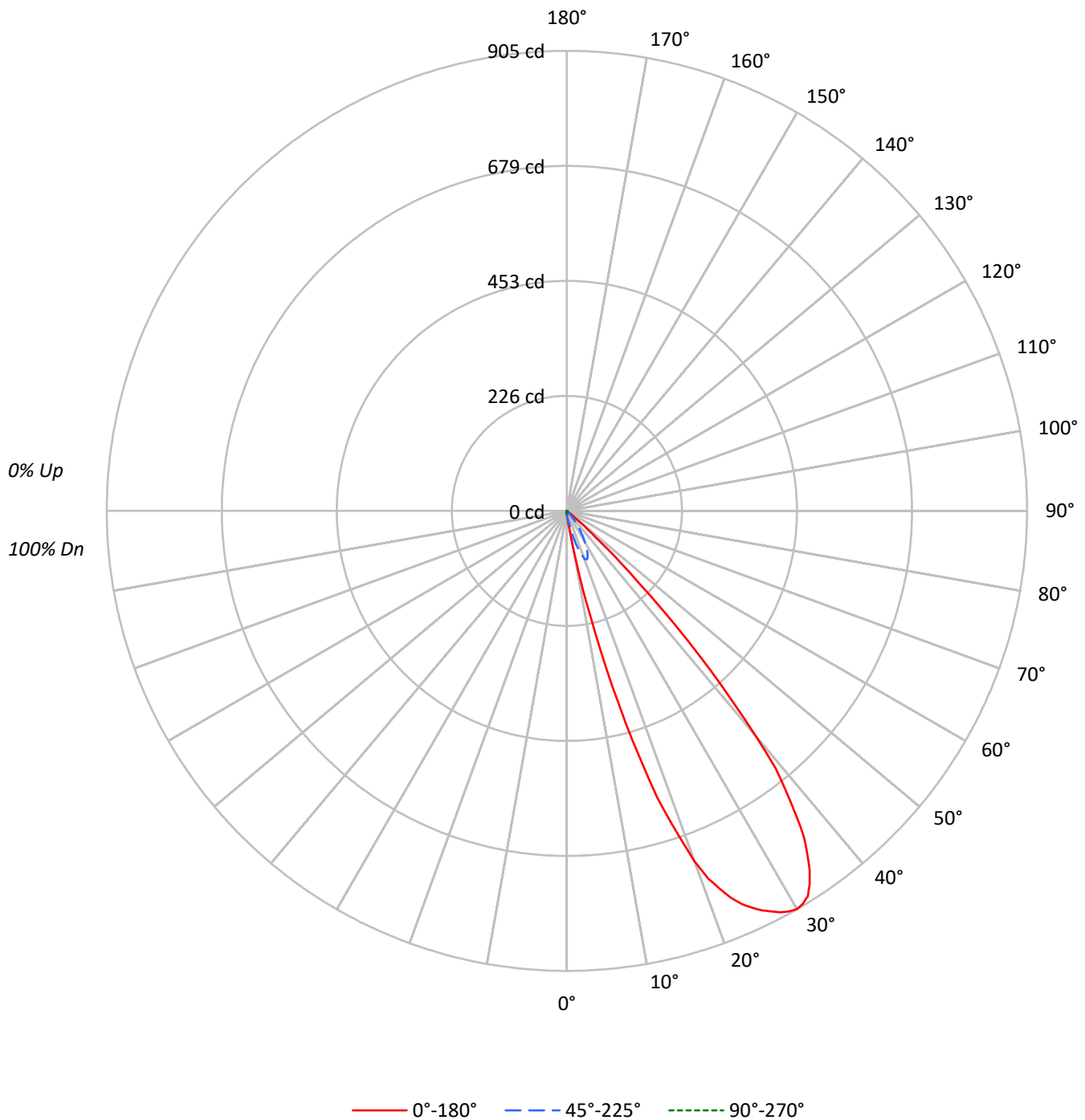
Lumens per Lamp: N/A  
Luminaire Lumens: 181.0 lumens  
Efficiency: N/A  
Efficacy: 25.1 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 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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CATALOG NUMBER: P3A05R259827DE010 E3A301WH

### Luminous Intensity Polar Plot



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CATALOG NUMBER: P3A05R259827DE010 E3A301WH

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1710   | 1710  | 1710 | 1710 | 1710 |
| 5°  | 4270   | 3170  | 1607 | 814  | 638  |
| 10° | 18681  | 5366  | 1314 | 379  | 267  |
| 15° | 88877  | 14484 | 931  | 159  | 114  |
| 20° | 171072 | 23219 | 583  | 47   | 47   |
| 25° | 208343 | 23421 | 339  | 0    | 0    |
| 30° | 229073 | 17927 | 127  | 0    | 0    |
| 35° | 220739 | 11404 | 54   | 0    | 0    |
| 40° | 164938 | 4924  | 0    | 0    | 57   |
| 45° | 61061  | 1302  | 62   | 62   | 155  |
| 50° | 7198   | 171   | 102  | 102  | 239  |
| 55° | 726    | 0     | 115  | 191  | 306  |
| 60° | 88     | 0     | 219  | 307  | 351  |
| 65° | 104    | 104   | 363  | 415  | 519  |
| 70° | 128    | 128   | 449  | 449  | 641  |
| 75° | 169    | 169   | 424  | 424  | 593  |
| 80° | 0      | 253   | 631  | 379  | 631  |
| 85° | 0      | 503   | 1258 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 61061 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.1    | 0.6       |
| 10°-20°   | 21.1   | 11.7      |
| 20°-30°   | 66.2   | 36.6      |
| 30°-40°   | 69.7   | 38.5      |
| 40°-50°   | 20.5   | 11.3      |
| 50°-60°   | 1.1    | 0.6       |
| 60°-70°   | 0.5    | 0.3       |
| 70°-80°   | 0.5    | 0.3       |
| 80°-90°   | 0.2    | 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°    | 88.5   | 48.9      |
| 0°-40°    | 158.2  | 87.4      |
| 0°-60°    | 179.8  | 99.3      |
| 0°-90°    | 181.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 181.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 8   | 8   | 8   | 8    | 8    |      |
| 5°  | 19  | 14  | 7   | 4    | 3    | 3    |
| 15° | 392 | 64  | 4   | 1    | 0    | 123  |
| 25° | 861 | 97  | 1   | 0    | 0    | 395  |
| 35° | 825 | 43  | 0   | 0    | 0    | 498  |
| 45° | 197 | 4   | 0   | 0    | 0    | 179  |
| 55° | 2   | 0   | 0   | 0    | 1    | 5    |
| 65° | 0   | 0   | 1   | 1    | 1    | 0    |
| 75° | 0   | 0   | 0   | 0    | 1    | 0    |
| 85° | 0   | 0   | 0   | 0    | 0    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1337451

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 45°   | 67.5° | 90° | 112.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|--------|
| 0°    | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8   | 7.8 | 7.8    |
| 2.5°  | 12.0  | 12.2  | 11.7  | 12.0  | 11.7  | 11.5  | 11.3  | 10.5  | 9.1   | 7.8 | 6.4    |
| 5°    | 19.4  | 19.4  | 18.6  | 18.4  | 18.1  | 17.4  | 16.7  | 14.4  | 10.3  | 7.3 | 5.1    |
| 7.5°  | 30.4  | 30.2  | 29.9  | 29.0  | 27.4  | 25.7  | 24.0  | 18.7  | 11.3  | 6.8 | 3.9    |
| 10°   | 83.9  | 82.7  | 81.2  | 72.1  | 61.8  | 52.7  | 44.8  | 24.1  | 12.2  | 5.9 | 2.9    |
| 12.5° | 208.6 | 201.8 | 185.8 | 167.5 | 144.2 | 119.7 | 95.8  | 39.3  | 12.5  | 4.9 | 2.0    |
| 15°   | 391.5 | 377.4 | 352.4 | 316.0 | 268.3 | 214.8 | 169.2 | 63.8  | 12.2  | 4.1 | 1.5    |
| 17.5° | 591.1 | 577.6 | 542.9 | 487.5 | 417.5 | 335.2 | 254.5 | 84.6  | 11.3  | 3.4 | 1.0    |
| 20°   | 733.1 | 718.7 | 686.3 | 627.5 | 551.7 | 442.1 | 335.0 | 99.5  | 10.6  | 2.5 | 0.5    |
| 21°   | 774.6 | 760.3 | 726.0 | 669.3 | 589.5 | 479.6 | 360.9 | 102.0 | 10.1  | 2.2 | 0.3    |
| 22°   | 801.0 | 792.5 | 755.7 | 700.7 | 619.4 | 509.7 | 383.0 | 103.2 | 9.8   | 2.0 | 0.3    |
| 23°   | 827.5 | 814.8 | 780.4 | 722.3 | 642.2 | 532.0 | 399.4 | 102.3 | 9.5   | 1.7 | 0.2    |
| 24°   | 847.1 | 836.4 | 796.4 | 739.0 | 658.1 | 545.6 | 409.0 | 100.1 | 9.0   | 1.5 | 0.2    |
| 25°   | 861.1 | 851.3 | 809.6 | 750.3 | 668.7 | 553.1 | 412.1 | 96.8  | 8.4   | 1.4 | 0.2    |
| 26°   | 874.4 | 863.8 | 820.6 | 756.9 | 674.3 | 555.4 | 409.2 | 93.1  | 7.9   | 1.2 | 0.0    |
| 27°   | 884.1 | 873.3 | 828.2 | 760.8 | 674.7 | 552.6 | 401.4 | 88.0  | 7.4   | 1.0 | 0.0    |
| 28°   | 894.4 | 881.9 | 833.4 | 763.0 | 672.6 | 545.8 | 390.3 | 82.6  | 7.1   | 0.8 | 0.0    |
| 29°   | 900.6 | 888.8 | 838.8 | 765.3 | 668.4 | 534.5 | 374.1 | 76.2  | 6.2   | 0.5 | 0.0    |
| 30°   | 904.7 | 890.6 | 838.3 | 762.8 | 662.8 | 522.3 | 354.6 | 70.8  | 5.4   | 0.5 | 0.0    |
| 31°   | 901.3 | 886.6 | 832.9 | 755.7 | 653.9 | 506.5 | 334.7 | 64.0  | 4.4   | 0.3 | 0.0    |
| 32°   | 894.0 | 876.6 | 823.4 | 743.4 | 637.8 | 486.0 | 314.1 | 58.4  | 3.2   | 0.3 | 0.0    |
| 33°   | 876.3 | 861.6 | 806.4 | 726.8 | 616.9 | 458.3 | 287.3 | 53.0  | 2.2   | 0.2 | 0.0    |
| 34°   | 854.0 | 839.3 | 783.1 | 704.7 | 588.9 | 422.5 | 254.7 | 47.5  | 1.9   | 0.2 | 0.0    |
| 35°   | 824.6 | 810.1 | 756.7 | 673.8 | 551.7 | 379.5 | 221.1 | 42.6  | 1.5   | 0.2 | 0.0    |
| 36°   | 793.7 | 774.5 | 723.5 | 640.9 | 501.9 | 330.5 | 185.1 | 37.0  | 1.2   | 0.2 | 0.0    |
| 37°   | 748.3 | 735.3 | 678.7 | 590.7 | 448.0 | 283.5 | 158.9 | 31.9  | 0.8   | 0.2 | 0.0    |
| 38°   | 701.2 | 689.2 | 634.0 | 540.2 | 387.9 | 237.1 | 133.1 | 27.0  | 0.7   | 0.0 | 0.0    |
| 39°   | 652.5 | 632.6 | 578.1 | 475.6 | 324.9 | 198.6 | 112.0 | 22.6  | 0.3   | 0.0 | 0.0    |
| 40°   | 576.2 | 561.0 | 502.7 | 397.9 | 268.8 | 160.9 | 95.4  | 17.2  | 0.3   | 0.0 | 0.0    |
| 42.5° | 382.0 | 367.8 | 306.7 | 215.8 | 142.9 | 94.1  | 63.0  | 6.8   | 0.0   | 0.2 | 0.0    |
| 45°   | 196.9 | 188.0 | 152.7 | 113.0 | 81.1  | 57.8  | 40.5  | 4.2   | 0.0   | 0.2 | 0.2    |
| 47.5° | 78.2  | 76.7  | 69.2  | 59.8  | 46.1  | 34.3  | 22.1  | 1.9   | 0.0   | 0.2 | 0.2    |
| 50°   | 21.1  | 21.3  | 19.9  | 18.4  | 16.7  | 15.7  | 9.3   | 0.5   | 0.0   | 0.3 | 0.2    |
| 52.5° | 9.0   | 9.1   | 8.8   | 8.3   | 7.4   | 5.6   | 3.7   | 0.2   | 0.2   | 0.3 | 0.3    |
| 55°   | 1.9   | 2.0   | 2.2   | 2.4   | 2.7   | 2.4   | 1.5   | 0.0   | 0.2   | 0.3 | 0.3    |
| 57.5° | 0.3   | 0.3   | 0.3   | 0.3   | 0.5   | 0.5   | 0.3   | 0.0   | 0.2   | 0.3 | 0.5    |
| 60°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.0   | 0.0   | 0.3   | 0.5 | 0.5    |
| 62.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   | 0.5 | 0.7    |
| 65°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.3   | 0.7 | 0.7    |
| 67.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7 | 0.7    |
| 70°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7 | 0.7    |
| 72.5° | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.7 | 0.5    |
| 75°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.5   | 0.5 | 0.5    |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.3   | 0.5 | 0.5    |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.3   | 0.5 | 0.3    |



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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 | 0.3   | 0.5 | 0.3    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3   | 0.5 | 0.3    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.3   | 0.5 | 0.3    |
| 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°    | 7.8  | 7.8    | 7.8  |
| 2.5°  | 5.4  | 4.9    | 4.7  |
| 5°    | 3.7  | 3.2    | 2.9  |
| 7.5°  | 2.5  | 2.0    | 1.9  |
| 10°   | 1.7  | 1.4    | 1.2  |
| 12.5° | 1.2  | 0.7    | 0.7  |
| 15°   | 0.7  | 0.5    | 0.5  |
| 17.5° | 0.3  | 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    | 0.3  |
| 45°   | 0.2  | 0.3    | 0.5  |
| 47.5° | 0.3  | 0.5    | 0.7  |
| 50°   | 0.3  | 0.7    | 0.7  |
| 52.5° | 0.5  | 0.7    | 0.8  |
| 55°   | 0.5  | 0.8    | 0.8  |
| 57.5° | 0.7  | 0.8    | 1.0  |
| 60°   | 0.7  | 0.8    | 0.8  |
| 62.5° | 0.7  | 1.0    | 1.0  |
| 65°   | 0.8  | 1.0    | 1.0  |
| 67.5° | 0.8  | 1.0    | 1.0  |
| 70°   | 0.7  | 0.8    | 1.0  |
| 72.5° | 0.7  | 0.8    | 0.8  |
| 75°   | 0.5  | 0.7    | 0.7  |
| 77.5° | 0.5  | 0.5    | 0.7  |
| 80°   | 0.3  | 0.5    | 0.5  |



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**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 0.3  | 0.3    | 0.3  |
| 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)