

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: P1319496

Luminaire Tested: P3SQAS02R30B2750DE010 E3SQCA301MB\_3500K

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319496  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS02R30B2750DE010 E3SQCA301MB\_3500K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 3500K CCT AND, 80CRI , E3SQCA301MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

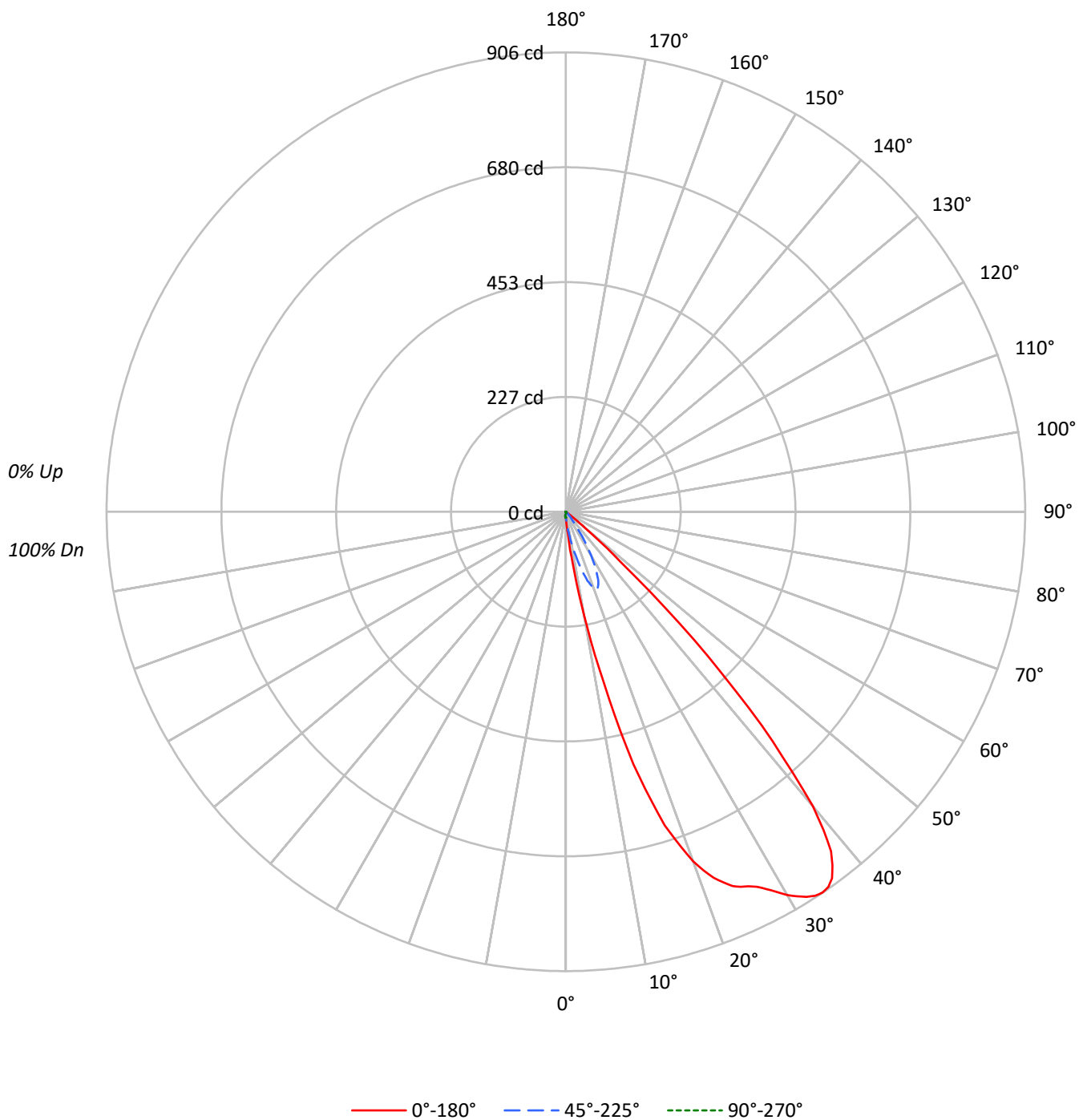
Lumens per Lamp: N/A  
Luminaire Lumens: 218.0 lumens  
Efficiency: N/A  
Efficacy: 75.2 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 2.9  
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



TEST NUMBER: P1319496

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

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 2015   | 2015  | 2015 | 2015 | 2015 |
| 5°  | 7278   | 4529  | 1833 | 743  | 536  |
| 10° | 36060  | 10843 | 1434 | 140  | 0    |
| 15° | 92002  | 20647 | 909  | 0    | 0    |
| 20° | 134414 | 29361 | 367  | 0    | 0    |
| 25° | 155081 | 28808 | 76   | 0    | 0    |
| 30° | 173550 | 19767 | 0    | 0    | 0    |
| 35° | 189809 | 8515  | 0    | 0    | 0    |
| 40° | 170369 | 3305  | 0    | 0    | 0    |
| 45° | 86999  | 1340  | 0    | 0    | 0    |
| 50° | 13423  | 161   | 0    | 0    | 0    |
| 55° | 811    | 0     | 60   | 0    | 0    |
| 60° | 0      | 0     | 69   | 0    | 0    |
| 65° | 0      | 0     | 163  | 0    | 0    |
| 70° | 0      | 101   | 201  | 0    | 0    |
| 75° | 0      | 133   | 399  | 0    | 0    |
| 80° | 0      | 198   | 595  | 0    | 0    |
| 85° | 0      | 395   | 1186 | 0    | 0    |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 86999 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.4    | 1.1       |
| 10°-20°   | 29.0   | 13.3      |
| 20°-30°   | 71.8   | 32.9      |
| 30°-40°   | 82.5   | 37.9      |
| 40°-50°   | 30.6   | 14.0      |
| 50°-60°   | 1.1    | 0.5       |
| 60°-70°   | 0.1    | 0.0       |
| 70°-80°   | 0.2    | 0.1       |
| 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°    | 103.3  | 47.4      |
| 0°-40°    | 185.8  | 85.2      |
| 0°-60°    | 217.5  | 99.8      |
| 0°-90°    | 218.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 218.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 12  | 12  | 12  | 12   | 12   |      |
| 5°  | 42  | 26  | 11  | 4    | 3    | 9    |
| 15° | 516 | 116 | 5   | 0    | 0    | 148  |
| 25° | 816 | 152 | 0   | 0    | 0    | 377  |
| 35° | 903 | 40  | 0   | 0    | 0    | 547  |
| 45° | 357 | 6   | 0   | 0    | 0    | 278  |
| 55° | 3   | 0   | 0   | 0    | 0    | 9    |
| 65° | 0   | 0   | 0   | 0    | 0    | 0    |
| 75° | 0   | 0   | 1   | 0    | 0    | 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°    | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  | 11.7  | 11.7 | 11.7   |
| 2.5°  | 20.7  | 20.9  | 20.9  | 20.3  | 20.0  | 19.8  | 19.2  | 17.4  | 14.5  | 11.7 | 9.4    |
| 5°    | 42.1  | 42.3  | 42.3  | 41.1  | 38.7  | 36.2  | 34.2  | 26.2  | 16.8  | 10.6 | 7.0    |
| 7.5°  | 99.4  | 99.6  | 95.3  | 90.4  | 80.6  | 75.5  | 66.1  | 40.3  | 19.0  | 9.6  | 4.5    |
| 10°   | 206.2 | 201.7 | 190.5 | 176.1 | 161.0 | 141.4 | 121.5 | 62.0  | 20.7  | 8.2  | 2.9    |
| 12.5° | 344.7 | 340.4 | 325.9 | 305.4 | 275.8 | 237.3 | 199.7 | 87.2  | 20.9  | 6.5  | 1.6    |
| 15°   | 516.0 | 503.9 | 486.5 | 452.5 | 408.8 | 349.2 | 287.0 | 115.8 | 20.0  | 5.1  | 0.4    |
| 17.5° | 648.7 | 637.7 | 615.6 | 575.9 | 521.5 | 455.4 | 379.1 | 143.0 | 17.8  | 3.3  | 0.0    |
| 20°   | 733.4 | 721.8 | 701.1 | 666.1 | 608.2 | 530.7 | 443.3 | 160.2 | 14.7  | 2.0  | 0.0    |
| 21°   | 757.6 | 746.3 | 726.1 | 691.3 | 633.6 | 556.3 | 459.1 | 163.9 | 13.3  | 1.6  | 0.0    |
| 22°   | 778.8 | 770.0 | 751.2 | 713.4 | 654.7 | 575.1 | 475.0 | 164.3 | 12.3  | 1.2  | 0.0    |
| 23°   | 793.8 | 787.4 | 768.6 | 733.8 | 675.3 | 590.4 | 483.6 | 161.8 | 11.0  | 0.8  | 0.0    |
| 24°   | 808.1 | 800.3 | 784.2 | 751.8 | 691.7 | 603.3 | 491.4 | 157.3 | 9.8   | 0.6  | 0.0    |
| 25°   | 816.1 | 807.1 | 794.6 | 764.3 | 705.2 | 611.5 | 496.1 | 151.6 | 8.6   | 0.4  | 0.0    |
| 26°   | 821.6 | 814.6 | 800.9 | 771.7 | 710.9 | 616.8 | 496.7 | 143.2 | 7.8   | 0.2  | 0.0    |
| 27°   | 830.0 | 823.0 | 809.7 | 778.2 | 713.4 | 616.0 | 493.0 | 133.6 | 6.8   | 0.0  | 0.0    |
| 28°   | 842.7 | 833.5 | 820.2 | 785.2 | 714.4 | 612.5 | 484.9 | 123.2 | 5.7   | 0.0  | 0.0    |
| 29°   | 857.2 | 847.8 | 833.3 | 794.4 | 714.6 | 605.6 | 472.0 | 111.7 | 5.1   | 0.0  | 0.0    |
| 30°   | 872.7 | 864.6 | 849.8 | 803.4 | 716.9 | 596.6 | 457.0 | 99.4  | 4.1   | 0.0  | 0.0    |
| 31°   | 885.0 | 877.7 | 861.9 | 811.6 | 718.7 | 588.8 | 438.6 | 87.2  | 3.5   | 0.0  | 0.0    |
| 32°   | 895.7 | 889.1 | 869.7 | 813.4 | 715.0 | 577.7 | 419.0 | 75.3  | 2.9   | 0.0  | 0.0    |
| 33°   | 903.0 | 894.8 | 872.1 | 808.7 | 704.4 | 559.5 | 397.1 | 64.0  | 2.3   | 0.0  | 0.0    |
| 34°   | 905.7 | 895.9 | 868.4 | 796.4 | 682.9 | 531.9 | 368.7 | 52.4  | 1.8   | 0.0  | 0.0    |
| 35°   | 902.8 | 890.7 | 855.1 | 775.4 | 653.8 | 499.0 | 334.5 | 40.5  | 1.4   | 0.0  | 0.0    |
| 36°   | 893.6 | 878.3 | 836.1 | 745.3 | 612.3 | 460.1 | 300.3 | 31.5  | 1.0   | 0.0  | 0.0    |
| 37°   | 873.8 | 856.8 | 803.6 | 705.6 | 571.2 | 415.5 | 261.5 | 24.5  | 0.6   | 0.0  | 0.0    |
| 38°   | 849.4 | 824.9 | 760.2 | 655.5 | 518.0 | 365.4 | 223.0 | 20.3  | 0.4   | 0.0  | 0.0    |
| 39°   | 807.9 | 780.9 | 708.7 | 597.8 | 465.8 | 317.7 | 185.6 | 17.6  | 0.2   | 0.0  | 0.0    |
| 40°   | 757.8 | 725.6 | 649.7 | 536.0 | 404.3 | 267.8 | 154.9 | 14.7  | 0.2   | 0.0  | 0.0    |
| 42.5° | 571.6 | 544.4 | 462.8 | 364.6 | 247.1 | 157.9 | 85.9  | 9.6   | 0.0   | 0.0  | 0.0    |
| 45°   | 357.2 | 328.8 | 273.5 | 199.9 | 133.8 | 81.8  | 41.3  | 5.5   | 0.0   | 0.0  | 0.0    |
| 47.5° | 145.9 | 133.8 | 110.1 | 84.7  | 60.6  | 38.5  | 17.2  | 2.5   | 0.0   | 0.0  | 0.0    |
| 50°   | 50.1  | 44.6  | 37.4  | 27.4  | 19.4  | 13.3  | 9.0   | 0.6   | 0.0   | 0.0  | 0.0    |
| 52.5° | 14.5  | 14.7  | 12.9  | 11.0  | 8.6   | 6.1   | 4.5   | 0.0   | 0.0   | 0.0  | 0.0    |
| 55°   | 2.7   | 2.3   | 2.7   | 2.5   | 2.7   | 2.3   | 1.6   | 0.0   | 0.0   | 0.2  | 0.0    |
| 57.5° | 0.0   | 0.0   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.0   | 0.2   | 0.2  | 0.0    |
| 60°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.2  | 0.0    |
| 62.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4  | 0.0    |
| 65°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4  | 0.2    |
| 67.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  | 0.2    |
| 70°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.4  | 0.2    |
| 72.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.6  | 0.2    |
| 75°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.6  | 0.2    |
| 77.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.6  | 0.2    |
| 80°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 0.6  | 0.2    |



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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 | 0.0 | 0.2 | 0.4   | 0.6 | 0.2    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.6 | 0.2    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4   | 0.6 | 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):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 11.7 | 11.7   | 11.7 |
| 2.5°  | 7.6  | 6.8    | 6.3  |
| 5°    | 4.3  | 3.3    | 3.1  |
| 7.5°  | 2.3  | 1.4    | 1.2  |
| 10°   | 0.8  | 0.2    | 0.0  |
| 12.5° | 0.0  | 0.0    | 0.0  |
| 15°   | 0.0  | 0.0    | 0.0  |
| 17.5° | 0.0  | 0.0    | 0.0  |
| 20°   | 0.0  | 0.0    | 0.0  |
| 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    | 0.0  |
| 39°   | 0.0  | 0.0    | 0.0  |
| 40°   | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0  | 0.0    | 0.0  |
| 47.5° | 0.0  | 0.0    | 0.0  |
| 50°   | 0.0  | 0.0    | 0.0  |
| 52.5° | 0.0  | 0.0    | 0.0  |
| 55°   | 0.0  | 0.0    | 0.0  |
| 57.5° | 0.0  | 0.0    | 0.0  |
| 60°   | 0.0  | 0.0    | 0.0  |
| 62.5° | 0.0  | 0.0    | 0.0  |
| 65°   | 0.0  | 0.0    | 0.0  |
| 67.5° | 0.0  | 0.0    | 0.0  |
| 70°   | 0.0  | 0.0    | 0.0  |
| 72.5° | 0.0  | 0.0    | 0.0  |
| 75°   | 0.0  | 0.0    | 0.0  |
| 77.5° | 0.0  | 0.0    | 0.0  |
| 80°   | 0.0  | 0.0    | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)