

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: P1336547

Luminaire Tested: P3A05R15B2750DE010 E3A301WH\_2700K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336547  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-59)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R15B2750DE010 E3A301WH\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

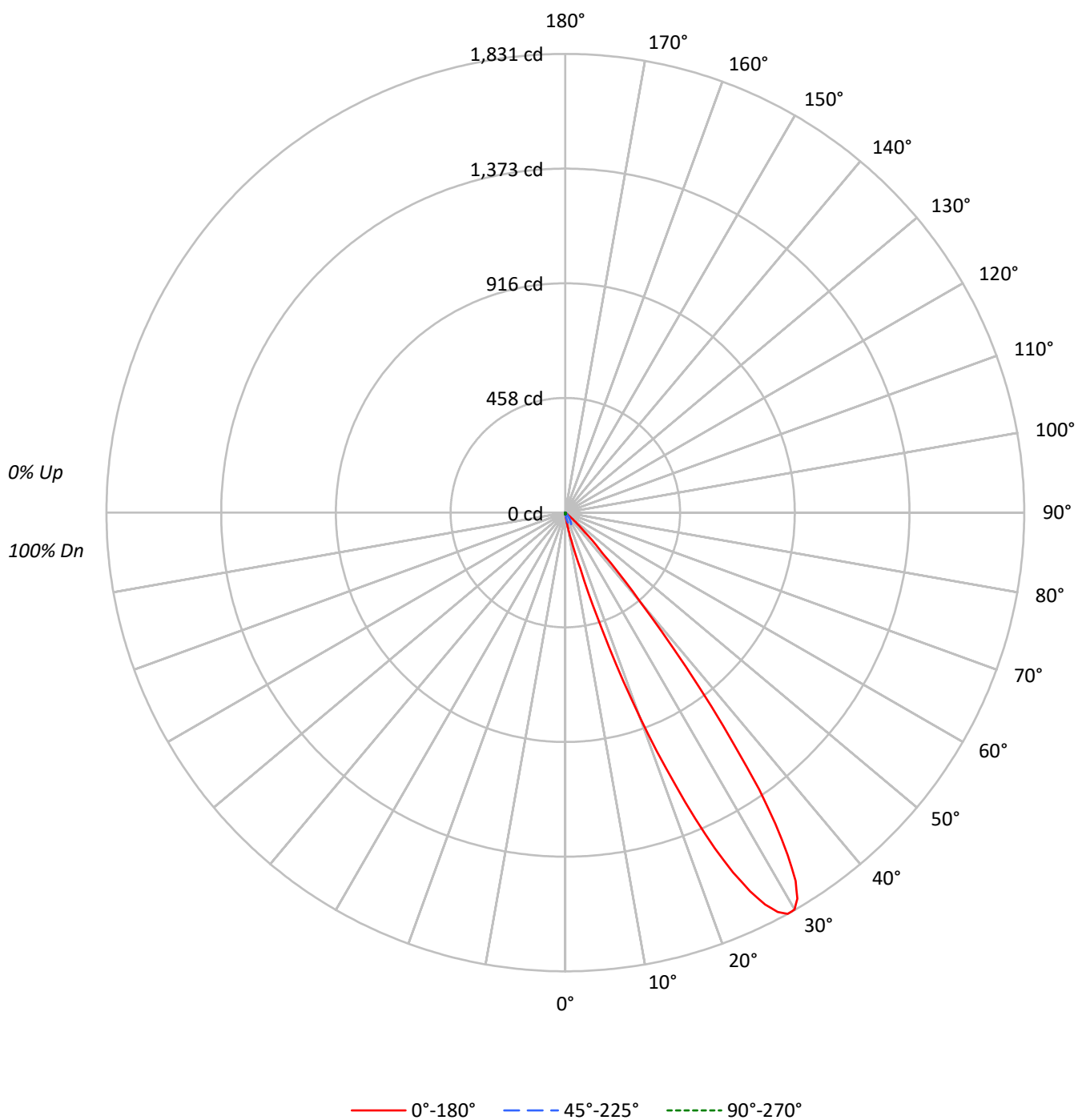
Lumens per Lamp: N/A  
Luminaire Lumens: 200.0 lumens  
Efficiency: N/A  
Efficacy: 33.9 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 |
| 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  | 79  | 74  | 70  | 77  | 73  | 70  | 68  |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 67  | 64  | 71  | 66  | 63  | 61  |    |
| 6   | 81  | 71  | 64  | 59  | 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  | 52  | 48  | 70  | 59  | 52  | 47  | 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  | 42  | 41  |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 43  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 47  | 42  | 39  | 37  |    |

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

|     | 0°     | 45°   | 90°  | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0°  | 1447   | 1447  | 1447 | 1447 | 1447 |
| 5°  | 3126   | 2311  | 1365 | 726  | 594  |
| 10° | 13872  | 4364  | 1091 | 312  | 223  |
| 15° | 52418  | 10125 | 749  | 136  | 91   |
| 20° | 201618 | 14258 | 443  | 47   | 47   |
| 25° | 383393 | 13380 | 242  | 0    | 0    |
| 30° | 463160 | 10786 | 101  | 0    | 0    |
| 35° | 361224 | 7335  | 54   | 0    | 0    |
| 40° | 131818 | 3607  | 57   | 0    | 57   |
| 45° | 33833  | 1085  | 62   | 0    | 124  |
| 50° | 5697   | 136   | 68   | 68   | 205  |
| 55° | 726    | 0     | 153  | 229  | 382  |
| 60° | 88     | 88    | 263  | 351  | 526  |
| 65° | 104    | 104   | 415  | 519  | 623  |
| 70° | 128    | 128   | 513  | 513  | 641  |
| 75° | 169    | 169   | 678  | 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: 33833 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.9    | 0.5       |
| 10°-20°   | 15.3   | 7.7       |
| 20°-30°   | 85.0   | 42.5      |
| 30°-40°   | 82.1   | 41.1      |
| 40°-50°   | 14.3   | 7.1       |
| 50°-60°   | 1.0    | 0.5       |
| 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°    | 101.2  | 50.6      |
| 0°-40°    | 183.4  | 91.7      |
| 0°-60°    | 198.7  | 99.3      |
| 0°-90°    | 200.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 200.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 7    | 7   | 7   | 7    | 7    |      |
| 5°  | 14   | 10  | 6   | 3    | 3    | 3    |
| 15° | 231  | 45  | 3   | 1    | 0    | 103  |
| 25° | 1585 | 55  | 1   | 0    | 0    | 709  |
| 35° | 1349 | 27  | 0   | 0    | 0    | 776  |
| 45° | 109  | 4   | 0   | 0    | 0    | 117  |
| 55° | 2    | 0   | 0   | 1    | 1    | 4    |
| 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°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6    | 6.6   | 6.6   | 6.6   | 6.6  |
| 2.5°  | 9.7    | 9.3    | 9.5    | 9.5    | 9.5    | 9.5    | 9.5    | 9.1   | 9.1   | 9.3   | 8.4  |
| 5°    | 14.2   | 14.2   | 14.0   | 14.2   | 14.2   | 14.0   | 13.6   | 13.4  | 13.4  | 13.0  | 10.5 |
| 7.5°  | 28.4   | 28.0   | 28.0   | 27.6   | 25.7   | 25.1   | 24.7   | 23.7  | 22.0  | 21.6  | 13.6 |
| 10°   | 62.3   | 62.5   | 61.1   | 59.3   | 59.1   | 56.2   | 55.3   | 53.5  | 50.2  | 46.9  | 19.6 |
| 12.5° | 113.0  | 110.5  | 107.2  | 107.4  | 101.7  | 99.8   | 95.3   | 90.5  | 85.4  | 80.2  | 32.3 |
| 15°   | 230.9  | 223.7  | 228.0  | 217.5  | 205.6  | 192.2  | 178.6  | 161.5 | 146.9 | 131.3 | 44.6 |
| 17.5° | 486.4  | 493.4  | 481.5  | 436.6  | 408.9  | 376.5  | 330.7  | 286.6 | 248.8 | 218.5 | 54.5 |
| 20°   | 864.0  | 874.3  | 834.0  | 794.9  | 727.8  | 654.7  | 578.4  | 492.0 | 409.3 | 337.7 | 61.1 |
| 21°   | 1021.8 | 1015.5 | 999.0  | 936.4  | 858.9  | 774.1  | 680.7  | 585.4 | 485.2 | 392.2 | 61.7 |
| 22°   | 1174.3 | 1177.2 | 1138.7 | 1073.1 | 992.6  | 898.6  | 784.6  | 666.9 | 558.9 | 436.6 | 60.7 |
| 23°   | 1326.2 | 1335.6 | 1284.6 | 1223.1 | 1121.8 | 1015.7 | 883.8  | 756.8 | 623.3 | 487.3 | 58.8 |
| 24°   | 1466.9 | 1460.5 | 1426.0 | 1348.6 | 1240.3 | 1116.1 | 979.2  | 825.1 | 676.3 | 530.7 | 57.2 |
| 25°   | 1584.6 | 1583.8 | 1529.7 | 1454.5 | 1330.5 | 1193.0 | 1042.0 | 880.9 | 721.6 | 560.1 | 55.3 |
| 26°   | 1680.9 | 1665.2 | 1622.5 | 1530.7 | 1408.3 | 1263.2 | 1093.6 | 921.6 | 747.1 | 574.9 | 53.3 |
| 27°   | 1755.2 | 1743.9 | 1686.7 | 1591.2 | 1463.4 | 1302.9 | 1126.6 | 941.8 | 758.7 | 579.8 | 50.8 |
| 28°   | 1805.2 | 1793.0 | 1732.1 | 1633.6 | 1493.8 | 1327.8 | 1144.1 | 950.4 | 758.7 | 575.1 | 48.4 |
| 29°   | 1831.1 | 1814.4 | 1753.7 | 1648.2 | 1500.8 | 1330.7 | 1139.9 | 942.0 | 746.9 | 560.7 | 45.7 |
| 30°   | 1829.2 | 1808.3 | 1744.7 | 1635.0 | 1479.9 | 1306.8 | 1115.9 | 911.9 | 720.0 | 539.3 | 42.6 |
| 31°   | 1797.6 | 1774.3 | 1703.3 | 1590.2 | 1436.9 | 1261.7 | 1070.8 | 871.4 | 683.3 | 511.5 | 39.5 |
| 32°   | 1733.6 | 1704.1 | 1634.8 | 1522.2 | 1370.8 | 1194.1 | 1005.2 | 808.9 | 628.2 | 470.8 | 36.2 |
| 33°   | 1629.4 | 1599.6 | 1525.3 | 1419.6 | 1281.3 | 1108.5 | 918.3  | 741.8 | 565.6 | 422.4 | 33.5 |
| 34°   | 1498.8 | 1471.6 | 1407.6 | 1301.1 | 1168.5 | 1000.2 | 818.3  | 649.0 | 500.6 | 374.3 | 30.5 |
| 35°   | 1349.4 | 1306.0 | 1248.0 | 1163.8 | 1034.4 | 865.2  | 710.3  | 562.6 | 433.7 | 323.9 | 27.4 |
| 36°   | 1147.3 | 1155.0 | 1093.6 | 990.5  | 883.3  | 750.6  | 601.9  | 469.1 | 362.6 | 276.1 | 24.7 |
| 37°   | 968.1  | 955.8  | 916.7  | 837.0  | 743.6  | 611.9  | 504.5  | 397.7 | 305.1 | 233.5 | 21.8 |
| 38°   | 780.9  | 783.6  | 745.3  | 684.0  | 591.4  | 503.1  | 406.0  | 326.6 | 255.2 | 198.6 | 19.1 |
| 39°   | 611.3  | 609.1  | 598.8  | 542.0  | 458.2  | 400.2  | 329.0  | 270.8 | 212.6 | 167.5 | 16.1 |
| 40°   | 460.5  | 464.0  | 439.9  | 405.6  | 356.8  | 309.1  | 262.1  | 216.0 | 175.9 | 141.2 | 12.6 |
| 42.5° | 223.9  | 229.4  | 213.4  | 204.7  | 183.1  | 164.4  | 138.7  | 113.2 | 96.3  | 83.3  | 5.6  |
| 45°   | 109.1  | 106.0  | 104.7  | 100.4  | 95.3   | 85.2   | 75.5   | 64.8  | 56.6  | 48.8  | 3.5  |
| 47.5° | 55.8   | 54.3   | 54.3   | 52.5   | 50.8   | 47.5   | 42.6   | 39.1  | 35.2  | 30.3  | 1.4  |
| 50°   | 16.7   | 16.5   | 16.3   | 16.5   | 16.0   | 16.5   | 16.9   | 17.1  | 15.6  | 15.4  | 0.4  |
| 52.5° | 6.6    | 6.8    | 6.6    | 7.2    | 7.2    | 7.0    | 7.2    | 7.0   | 6.8   | 6.0   | 0.0  |
| 55°   | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 1.9    | 2.1    | 2.3   | 2.1   | 2.3   | 0.0  |
| 57.5° | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4   | 0.4   | 0.4   | 0.0  |
| 60°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.0   | 0.2  |
| 62.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 65°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 67.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 70°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 72.5° | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 75°   | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2    | 0.2   | 0.2   | 0.2   | 0.2  |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.2   | 0.2   | 0.2  |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.2  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 82.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.2 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 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°    | 6.6   | 6.6 | 6.6    | 6.6  | 6.6    | 6.6  |
| 2.5°  | 7.8   | 6.8 | 5.6    | 4.7  | 4.3    | 4.1  |
| 5°    | 8.4   | 6.2 | 4.3    | 3.3  | 2.9    | 2.7  |
| 7.5°  | 8.9   | 5.6 | 3.3    | 2.3  | 1.8    | 1.6  |
| 10°   | 9.3   | 4.9 | 2.5    | 1.4  | 1.0    | 1.0  |
| 12.5° | 9.3   | 3.9 | 1.8    | 0.8  | 0.6    | 0.6  |
| 15°   | 9.1   | 3.3 | 1.2    | 0.6  | 0.4    | 0.4  |
| 17.5° | 8.9   | 2.5 | 0.8    | 0.4  | 0.2    | 0.4  |
| 20°   | 8.4   | 1.9 | 0.4    | 0.2  | 0.2    | 0.2  |
| 21°   | 8.2   | 1.8 | 0.4    | 0.2  | 0.2    | 0.2  |
| 22°   | 7.8   | 1.6 | 0.2    | 0.0  | 0.2    | 0.2  |
| 23°   | 7.4   | 1.2 | 0.2    | 0.0  | 0.0    | 0.0  |
| 24°   | 6.8   | 1.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 6.4   | 1.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 26°   | 6.0   | 0.6 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 5.4   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 5.1   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 4.5   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 3.9   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 3.1   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 2.5   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 1.8   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 1.2   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 1.0   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.6   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 37°   | 0.6   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 38°   | 0.4   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 39°   | 0.2   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 40°   | 0.2   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 42.5° | 0.0   | 0.2 | 0.0    | 0.0  | 0.2    | 0.4  |
| 45°   | 0.0   | 0.2 | 0.0    | 0.0  | 0.2    | 0.4  |
| 47.5° | 0.0   | 0.2 | 0.0    | 0.0  | 0.4    | 0.4  |
| 50°   | 0.0   | 0.2 | 0.2    | 0.2  | 0.4    | 0.6  |
| 52.5° | 0.0   | 0.4 | 0.2    | 0.4  | 0.6    | 0.8  |
| 55°   | 0.2   | 0.4 | 0.4    | 0.6  | 0.8    | 1.0  |
| 57.5° | 0.2   | 0.6 | 0.6    | 0.8  | 1.0    | 1.0  |
| 60°   | 0.4   | 0.6 | 0.8    | 0.8  | 1.2    | 1.2  |
| 62.5° | 0.4   | 0.8 | 0.8    | 0.8  | 1.2    | 1.2  |
| 65°   | 0.4   | 0.8 | 0.8    | 1.0  | 1.2    | 1.2  |
| 67.5° | 0.4   | 0.8 | 0.8    | 0.8  | 1.0    | 1.2  |
| 70°   | 0.4   | 0.8 | 0.6    | 0.8  | 1.0    | 1.0  |
| 72.5° | 0.4   | 0.8 | 0.6    | 0.6  | 0.8    | 1.0  |
| 75°   | 0.4   | 0.8 | 0.6    | 0.6  | 0.8    | 0.8  |
| 77.5° | 0.4   | 0.6 | 0.6    | 0.4  | 0.6    | 0.6  |
| 80°   | 0.4   | 0.6 | 0.4    | 0.4  | 0.6    | 0.6  |





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CATALOG NUMBER: P3A05R15B2750DE010 E3A301WH\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 0.4   | 0.6 | 0.4    | 0.2  | 0.4    | 0.4  |
| 85°   | 0.4   | 0.6 | 0.4    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.4   | 0.6 | 0.2    | 0.0  | 0.0    | 0.2  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)