

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: P1336527

Luminaire Tested: P3A05R15B2750DE010 E3A301GPH\_2700K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336527  
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 E3A301GPH\_2700K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 2700K CCT AND, 90CRI , E3A301GPH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

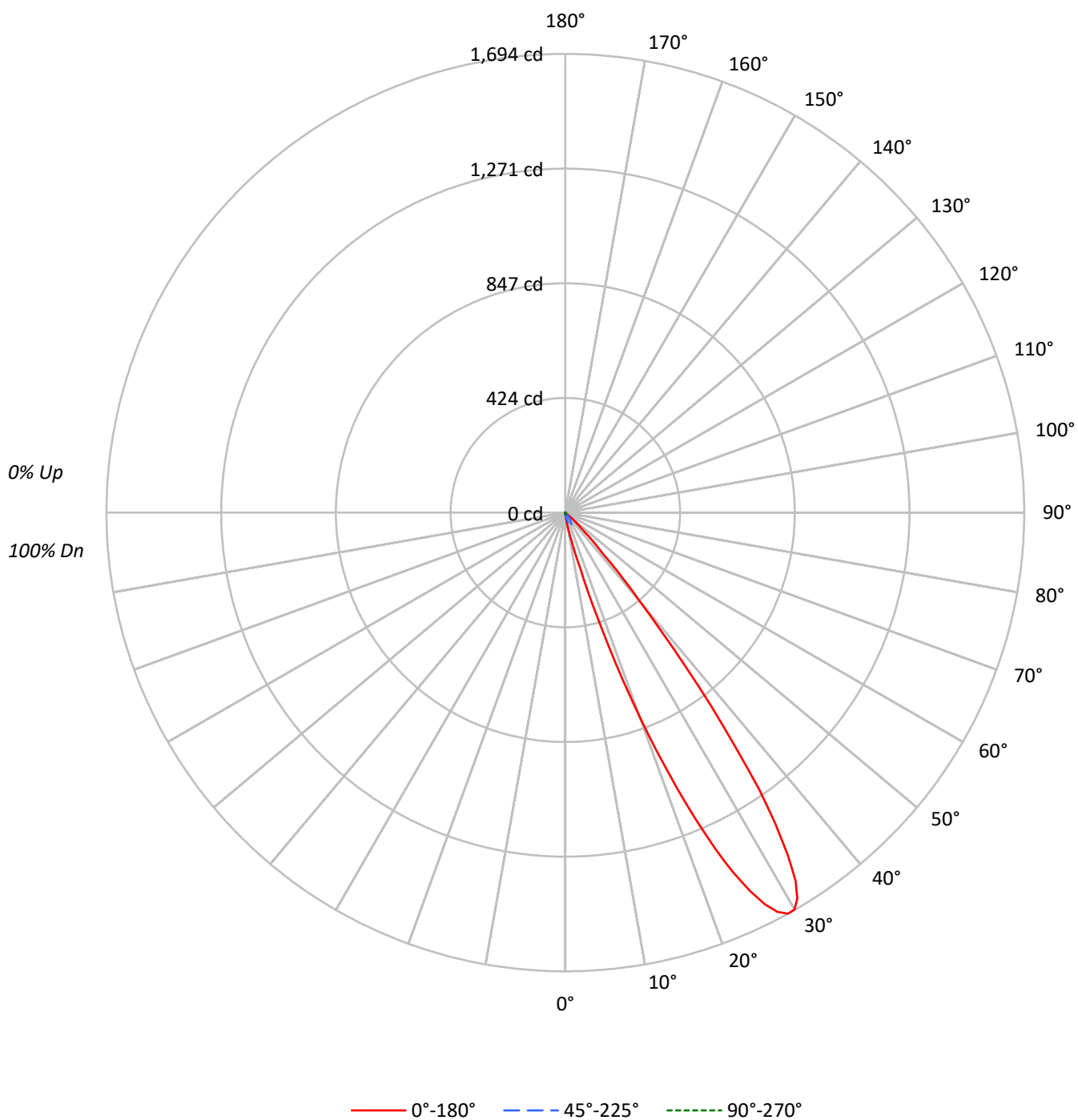
Lumens per Lamp: N/A  
Luminaire Lumens: 185.0 lumens  
Efficiency: N/A  
Efficacy: 31.4 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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 | 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 | 99  | 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  | 53  | 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°  | 1338   | 1338  | 1338 | 1338 | 1338 |
| 5°  | 2884   | 2135  | 1277 | 682  | 550  |
| 10° | 12825  | 4052  | 1002 | 289  | 200  |
| 15° | 48491  | 9353  | 704  | 114  | 91   |
| 20° | 186496 | 13184 | 420  | 47   | 47   |
| 25° | 354650 | 12364 | 218  | 0    | 0    |
| 30° | 428420 | 9976  | 101  | 0    | 0    |
| 35° | 334134 | 6799  | 54   | 0    | 0    |
| 40° | 121943 | 3349  | 57   | 0    | 57   |
| 45° | 31321  | 992   | 62   | 0    | 124  |
| 50° | 5288   | 136   | 68   | 68   | 171  |
| 55° | 688    | 0     | 153  | 191  | 344  |
| 60° | 88     | 88    | 219  | 307  | 482  |
| 65° | 104    | 104   | 363  | 467  | 571  |
| 70° | 128    | 128   | 449  | 449  | 577  |
| 75° | 169    | 169   | 593  | 424  | 593  |
| 80° | 0      | 253   | 631  | 505  | 631  |
| 85° | 0      | 503   | 1258 | 503  | 503  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 31321 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.8    | 0.5       |
| 10°-20°   | 14.2   | 7.7       |
| 20°-30°   | 78.6   | 42.5      |
| 30°-40°   | 76.0   | 41.1      |
| 40°-50°   | 13.2   | 7.1       |
| 50°-60°   | 1.0    | 0.5       |
| 60°-70°   | 0.6    | 0.3       |
| 70°-80°   | 0.5    | 0.2       |
| 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°    | 93.6   | 50.6      |
| 0°-40°    | 169.6  | 91.7      |
| 0°-60°    | 183.8  | 99.3      |
| 0°-90°    | 185.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 185.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 6    | 6   | 6   | 6    | 6    |      |
| 5°  | 13   | 10  | 6   | 3    | 2    | 3    |
| 15° | 214  | 41  | 3   | 0    | 0    | 95   |
| 25° | 1466 | 51  | 1   | 0    | 0    | 655  |
| 35° | 1248 | 25  | 0   | 0    | 0    | 718  |
| 45° | 101  | 3   | 0   | 0    | 0    | 108  |
| 55° | 2    | 0   | 0   | 0    | 1    | 4    |
| 65° | 0    | 0   | 1   | 1    | 1    | 0    |
| 75° | 0    | 0   | 1   | 0    | 1    | 0    |
| 85° | 0    | 0   | 0   | 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°    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1    | 6.1   | 6.1   | 6.1   | 6.1  |
| 2.5°  | 9.0    | 8.6    | 8.8    | 8.8    | 8.8    | 8.8    | 8.8    | 8.5   | 8.5   | 8.6   | 7.7  |
| 5°    | 13.1   | 13.1   | 13.0   | 13.1   | 13.1   | 13.0   | 12.6   | 12.4  | 12.4  | 12.1  | 9.7  |
| 7.5°  | 26.3   | 25.9   | 25.9   | 25.6   | 23.8   | 23.2   | 22.9   | 22.0  | 20.3  | 20.0  | 12.6 |
| 10°   | 57.6   | 57.8   | 56.5   | 54.9   | 54.7   | 52.0   | 51.1   | 49.5  | 46.4  | 43.4  | 18.2 |
| 12.5° | 104.6  | 102.2  | 99.2   | 99.3   | 94.1   | 92.3   | 88.2   | 83.7  | 79.0  | 74.1  | 29.9 |
| 15°   | 213.6  | 207.0  | 210.9  | 201.2  | 190.2  | 177.8  | 165.2  | 149.4 | 135.9 | 121.5 | 41.2 |
| 17.5° | 449.9  | 456.4  | 445.4  | 403.8  | 378.3  | 348.2  | 305.9  | 265.1 | 230.2 | 202.1 | 50.4 |
| 20°   | 799.2  | 808.7  | 771.5  | 735.3  | 673.2  | 605.6  | 535.0  | 455.1 | 378.6 | 312.4 | 56.5 |
| 21°   | 945.1  | 939.4  | 924.1  | 866.1  | 794.5  | 716.1  | 629.7  | 541.5 | 448.8 | 362.8 | 57.0 |
| 22°   | 1086.2 | 1088.9 | 1053.3 | 992.7  | 918.1  | 831.2  | 725.8  | 616.9 | 517.0 | 403.8 | 56.1 |
| 23°   | 1226.8 | 1235.4 | 1188.3 | 1131.4 | 1037.6 | 939.6  | 817.6  | 700.0 | 576.6 | 450.8 | 54.3 |
| 24°   | 1356.9 | 1350.9 | 1319.1 | 1247.5 | 1147.2 | 1032.4 | 905.7  | 763.2 | 625.5 | 490.9 | 52.9 |
| 25°   | 1465.8 | 1465.0 | 1415.0 | 1345.4 | 1230.7 | 1103.5 | 963.9  | 814.9 | 667.5 | 518.1 | 51.1 |
| 26°   | 1554.8 | 1540.3 | 1500.9 | 1415.9 | 1302.7 | 1168.5 | 1011.5 | 852.5 | 691.0 | 531.8 | 49.3 |
| 27°   | 1623.6 | 1613.1 | 1560.2 | 1471.9 | 1353.6 | 1205.2 | 1042.1 | 871.2 | 701.8 | 536.3 | 47.0 |
| 28°   | 1669.8 | 1658.5 | 1602.2 | 1511.1 | 1381.7 | 1228.2 | 1058.3 | 879.1 | 701.8 | 532.0 | 44.8 |
| 29°   | 1693.8 | 1678.3 | 1622.1 | 1524.6 | 1388.2 | 1230.9 | 1054.4 | 871.4 | 690.9 | 518.6 | 42.3 |
| 30°   | 1692.0 | 1672.7 | 1613.9 | 1512.4 | 1368.9 | 1208.8 | 1032.2 | 843.5 | 666.0 | 498.8 | 39.4 |
| 31°   | 1662.8 | 1641.2 | 1575.5 | 1471.0 | 1329.2 | 1167.0 | 990.5  | 806.0 | 632.0 | 473.1 | 36.5 |
| 32°   | 1603.6 | 1576.3 | 1512.2 | 1408.0 | 1268.0 | 1104.6 | 929.8  | 748.3 | 581.1 | 435.5 | 33.5 |
| 33°   | 1507.2 | 1479.6 | 1410.9 | 1313.2 | 1185.2 | 1025.4 | 849.4  | 686.2 | 523.1 | 390.7 | 31.0 |
| 34°   | 1386.4 | 1361.2 | 1302.0 | 1203.6 | 1080.8 | 925.2  | 756.9  | 600.3 | 463.0 | 346.2 | 28.3 |
| 35°   | 1248.2 | 1208.1 | 1154.4 | 1076.5 | 956.8  | 800.3  | 657.0  | 520.4 | 401.1 | 299.6 | 25.4 |
| 36°   | 1061.2 | 1068.4 | 1011.5 | 916.2  | 817.0  | 694.3  | 556.8  | 433.9 | 335.4 | 255.4 | 22.9 |
| 37°   | 895.5  | 884.1  | 848.0  | 774.2  | 687.8  | 566.0  | 466.6  | 367.8 | 282.2 | 216.0 | 20.2 |
| 38°   | 722.4  | 724.9  | 689.4  | 632.7  | 547.1  | 465.4  | 375.6  | 302.2 | 236.1 | 183.7 | 17.6 |
| 39°   | 565.4  | 563.5  | 553.9  | 501.4  | 423.8  | 370.2  | 304.3  | 250.5 | 196.7 | 154.9 | 14.9 |
| 40°   | 426.0  | 429.2  | 406.9  | 375.2  | 330.0  | 286.0  | 242.4  | 199.8 | 162.7 | 130.6 | 11.7 |
| 42.5° | 207.1  | 212.2  | 197.4  | 189.3  | 169.3  | 152.1  | 128.3  | 104.7 | 89.1  | 77.0  | 5.2  |
| 45°   | 101.0  | 98.1   | 96.8   | 92.9   | 88.2   | 78.8   | 69.8   | 59.9  | 52.4  | 45.2  | 3.2  |
| 47.5° | 51.6   | 50.2   | 50.2   | 48.6   | 47.0   | 43.9   | 39.4   | 36.2  | 32.6  | 28.1  | 1.3  |
| 50°   | 15.5   | 15.3   | 15.1   | 15.3   | 14.8   | 15.3   | 15.7   | 15.8  | 14.4  | 14.2  | 0.4  |
| 52.5° | 6.1    | 6.3    | 6.1    | 6.7    | 6.7    | 6.5    | 6.7    | 6.5   | 6.3   | 5.6   | 0.0  |
| 55°   | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 1.8    | 2.0    | 2.2   | 2.0   | 2.2   | 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°    | 6.1   | 6.1 | 6.1    | 6.1  | 6.1    | 6.1  |
| 2.5°  | 7.2   | 6.3 | 5.2    | 4.3  | 4.0    | 3.8  |
| 5°    | 7.7   | 5.8 | 4.0    | 3.1  | 2.7    | 2.5  |
| 7.5°  | 8.3   | 5.2 | 3.1    | 2.2  | 1.6    | 1.4  |
| 10°   | 8.6   | 4.5 | 2.3    | 1.3  | 0.9    | 0.9  |
| 12.5° | 8.6   | 3.6 | 1.6    | 0.7  | 0.5    | 0.5  |
| 15°   | 8.5   | 3.1 | 1.1    | 0.5  | 0.4    | 0.4  |
| 17.5° | 8.3   | 2.3 | 0.7    | 0.4  | 0.2    | 0.4  |
| 20°   | 7.7   | 1.8 | 0.4    | 0.2  | 0.2    | 0.2  |
| 21°   | 7.6   | 1.6 | 0.4    | 0.2  | 0.2    | 0.2  |
| 22°   | 7.2   | 1.4 | 0.2    | 0.0  | 0.2    | 0.2  |
| 23°   | 6.8   | 1.1 | 0.2    | 0.0  | 0.0    | 0.0  |
| 24°   | 6.3   | 0.9 | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 5.9   | 0.9 | 0.2    | 0.0  | 0.0    | 0.0  |
| 26°   | 5.6   | 0.5 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 5.0   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 4.7   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 4.1   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 3.6   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 2.9   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 2.3   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 1.6   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 1.1   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 0.9   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 0.5   | 0.2 | 0.0    | 0.0  | 0.0    | 0.2  |
| 37°   | 0.5   | 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    | 0.5  |
| 52.5° | 0.0   | 0.4 | 0.2    | 0.4  | 0.5    | 0.7  |
| 55°   | 0.2   | 0.4 | 0.4    | 0.5  | 0.7    | 0.9  |
| 57.5° | 0.2   | 0.5 | 0.5    | 0.7  | 0.9    | 0.9  |
| 60°   | 0.4   | 0.5 | 0.7    | 0.7  | 1.1    | 1.1  |
| 62.5° | 0.4   | 0.7 | 0.7    | 0.7  | 1.1    | 1.1  |
| 65°   | 0.4   | 0.7 | 0.7    | 0.9  | 1.1    | 1.1  |
| 67.5° | 0.4   | 0.7 | 0.7    | 0.7  | 0.9    | 1.1  |
| 70°   | 0.4   | 0.7 | 0.5    | 0.7  | 0.9    | 0.9  |
| 72.5° | 0.4   | 0.7 | 0.5    | 0.5  | 0.7    | 0.9  |
| 75°   | 0.4   | 0.7 | 0.5    | 0.5  | 0.7    | 0.7  |
| 77.5° | 0.4   | 0.5 | 0.5    | 0.4  | 0.5    | 0.5  |
| 80°   | 0.4   | 0.5 | 0.4    | 0.4  | 0.5    | 0.5  |



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CATALOG NUMBER: P3A05R15B2750DE010 E3A301GPH\_2700K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 0.4   | 0.5 | 0.4    | 0.2  | 0.4    | 0.4  |
| 85°   | 0.4   | 0.5 | 0.4    | 0.2  | 0.2    | 0.2  |
| 87.5° | 0.4   | 0.5 | 0.2    | 0.0  | 0.0    | 0.2  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)