

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: P1336541

Luminaire Tested: P3A05R15B2750DE010 E3A301LI\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336541  
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 E3A301LI\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 5000K CCT AND, 80CRI , E3A301LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

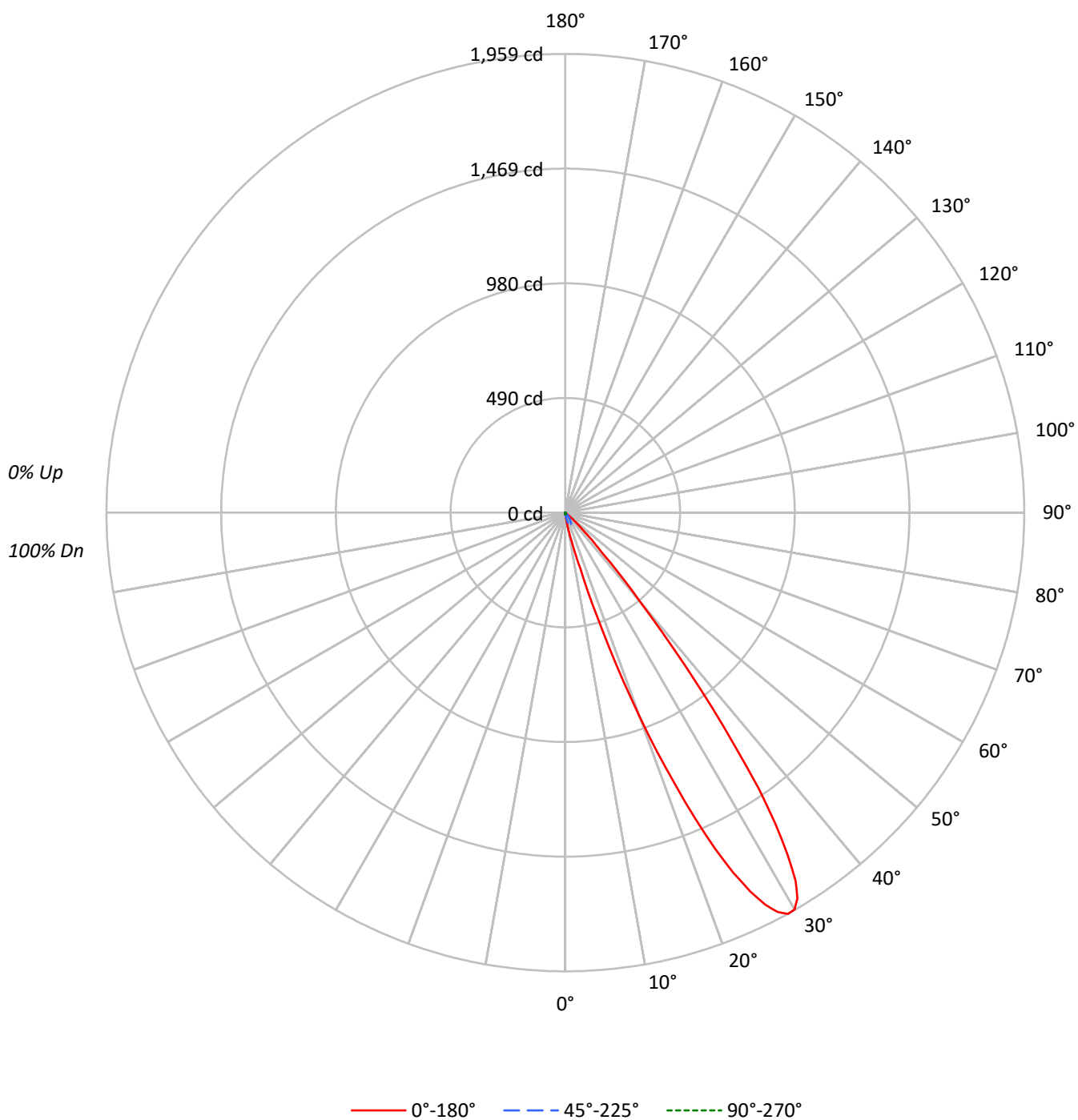
Lumens per Lamp: N/A  
Luminaire Lumens: 213.9 lumens  
Efficiency: N/A  
Efficacy: 36.3 lumens/watt  
Spacing Criteria (0/90/45): 2.35 / 0.49 / 1.26  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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  | 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  | 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°  | 1557   | 1557  | 1557 | 1557 | 1557 |
| 5°  | 3346   | 2465  | 1475 | 770  | 638  |
| 10° | 14829  | 4676  | 1158 | 334  | 223  |
| 15° | 56096  | 10829 | 795  | 136  | 91   |
| 20° | 215735 | 15261 | 490  | 47   | 47   |
| 25° | 410225 | 14299 | 242  | 0    | 0    |
| 30° | 495570 | 11546 | 101  | 0    | 0    |
| 35° | 386521 | 7870  | 54   | 0    | 0    |
| 40° | 141036 | 3864  | 57   | 0    | 57   |
| 45° | 36221  | 1147  | 62   | 0    | 124  |
| 50° | 6106   | 136   | 68   | 68   | 205  |
| 55° | 803    | 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: 36221 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.0    | 0.5       |
| 10°-20°   | 16.4   | 7.7       |
| 20°-30°   | 90.9   | 42.5      |
| 30°-40°   | 87.9   | 41.1      |
| 40°-50°   | 15.3   | 7.1       |
| 50°-60°   | 1.1    | 0.5       |
| 60°-70°   | 0.6    | 0.3       |
| 70°-80°   | 0.5    | 0.2       |
| 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°    | 108.3  | 50.6      |
| 0°-40°    | 196.2  | 91.7      |
| 0°-60°    | 212.5  | 99.4      |
| 0°-90°    | 213.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 213.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 7    | 7   | 7   | 7    | 7    |      |
| 5°  | 15   | 11  | 7   | 4    | 3    | 3    |
| 15° | 247  | 48  | 4   | 1    | 0    | 110  |
| 25° | 1696 | 59  | 1   | 0    | 0    | 758  |
| 35° | 1444 | 29  | 0   | 0    | 0    | 830  |
| 45° | 117  | 4   | 0   | 0    | 0    | 125  |
| 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°    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1    | 7.1   | 7.1   | 7.1  |
| 2.5°  | 10.4   | 10.0   | 10.2   | 10.2   | 10.2   | 10.2   | 10.2   | 9.8    | 9.8   | 10.0  | 9.0  |
| 5°    | 15.2   | 15.2   | 15.0   | 15.2   | 15.2   | 15.0   | 14.6   | 14.4   | 14.4  | 13.9  | 11.2 |
| 7.5°  | 30.4   | 30.0   | 30.0   | 29.6   | 27.5   | 26.9   | 26.4   | 25.4   | 23.5  | 23.1  | 14.6 |
| 10°   | 66.6   | 66.8   | 65.4   | 63.5   | 63.3   | 60.2   | 59.1   | 57.2   | 53.7  | 50.2  | 21.0 |
| 12.5° | 120.9  | 118.2  | 114.7  | 114.9  | 108.9  | 106.8  | 102.0  | 96.8   | 91.4  | 85.8  | 34.6 |
| 15°   | 247.1  | 239.4  | 244.0  | 232.7  | 220.0  | 205.7  | 191.1  | 172.8  | 157.2 | 140.5 | 47.7 |
| 17.5° | 520.4  | 527.9  | 515.2  | 467.1  | 437.6  | 402.8  | 353.9  | 306.6  | 266.2 | 233.8 | 58.3 |
| 20°   | 924.5  | 935.5  | 892.4  | 850.6  | 778.8  | 700.5  | 618.9  | 526.5  | 438.0 | 361.4 | 65.4 |
| 21°   | 1093.3 | 1086.6 | 1068.9 | 1001.9 | 919.1  | 828.3  | 728.4  | 626.4  | 519.2 | 419.7 | 66.0 |
| 22°   | 1256.5 | 1259.6 | 1218.4 | 1148.3 | 1062.1 | 961.5  | 839.5  | 713.6  | 598.1 | 467.1 | 64.9 |
| 23°   | 1419.1 | 1429.1 | 1374.5 | 1308.8 | 1200.3 | 1086.8 | 945.7  | 809.8  | 667.0 | 521.5 | 62.9 |
| 24°   | 1569.6 | 1562.7 | 1525.9 | 1443.0 | 1327.1 | 1194.3 | 1047.7 | 882.8  | 723.6 | 567.9 | 61.2 |
| 25°   | 1695.5 | 1694.7 | 1636.8 | 1556.3 | 1423.7 | 1276.5 | 1114.9 | 942.6  | 772.1 | 599.3 | 59.1 |
| 26°   | 1798.6 | 1781.7 | 1736.1 | 1637.9 | 1506.9 | 1351.6 | 1170.1 | 986.1  | 799.4 | 615.1 | 57.0 |
| 27°   | 1878.1 | 1866.0 | 1804.8 | 1702.6 | 1565.8 | 1394.1 | 1205.5 | 1007.7 | 811.9 | 620.3 | 54.3 |
| 28°   | 1931.6 | 1918.5 | 1853.3 | 1748.0 | 1598.3 | 1420.7 | 1224.2 | 1016.9 | 811.9 | 615.3 | 51.8 |
| 29°   | 1959.3 | 1941.4 | 1876.4 | 1763.6 | 1605.8 | 1423.9 | 1219.7 | 1008.0 | 799.2 | 599.9 | 48.9 |
| 30°   | 1957.2 | 1934.9 | 1866.9 | 1749.4 | 1583.5 | 1398.3 | 1194.1 | 975.7  | 770.4 | 577.0 | 45.6 |
| 31°   | 1923.5 | 1898.5 | 1822.5 | 1701.6 | 1537.5 | 1350.0 | 1145.8 | 932.4  | 731.1 | 547.3 | 42.3 |
| 32°   | 1855.0 | 1823.3 | 1749.2 | 1628.7 | 1466.8 | 1277.7 | 1075.6 | 865.6  | 672.2 | 503.8 | 38.7 |
| 33°   | 1743.4 | 1711.6 | 1632.0 | 1519.0 | 1371.0 | 1186.1 | 982.6  | 793.7  | 605.1 | 451.9 | 35.8 |
| 34°   | 1603.7 | 1574.6 | 1506.1 | 1392.2 | 1250.3 | 1070.2 | 875.6  | 694.4  | 535.6 | 400.5 | 32.7 |
| 35°   | 1443.9 | 1397.4 | 1335.4 | 1245.3 | 1106.8 | 925.7  | 760.0  | 602.0  | 464.0 | 346.6 | 29.4 |
| 36°   | 1227.6 | 1235.9 | 1170.1 | 1059.8 | 945.1  | 803.1  | 644.1  | 501.9  | 388.0 | 295.4 | 26.4 |
| 37°   | 1035.8 | 1022.7 | 980.9  | 895.5  | 795.6  | 654.7  | 539.8  | 425.5  | 326.4 | 249.8 | 23.3 |
| 38°   | 835.6  | 838.5  | 797.5  | 731.9  | 632.8  | 538.3  | 434.4  | 349.5  | 273.1 | 212.5 | 20.4 |
| 39°   | 654.1  | 651.8  | 640.7  | 580.0  | 490.2  | 428.2  | 352.0  | 289.8  | 227.5 | 179.2 | 17.3 |
| 40°   | 492.7  | 496.5  | 470.7  | 434.0  | 381.8  | 330.8  | 280.4  | 231.1  | 188.2 | 151.1 | 13.5 |
| 42.5° | 239.6  | 245.4  | 228.4  | 219.0  | 195.9  | 175.9  | 148.4  | 121.2  | 103.0 | 89.1  | 6.0  |
| 45°   | 116.8  | 113.5  | 112.0  | 107.4  | 102.0  | 91.2   | 80.8   | 69.3   | 60.6  | 52.3  | 3.7  |
| 47.5° | 59.7   | 58.1   | 58.1   | 56.2   | 54.3   | 50.8   | 45.6   | 41.8   | 37.7  | 32.5  | 1.5  |
| 50°   | 17.9   | 17.7   | 17.5   | 17.7   | 17.1   | 17.7   | 18.1   | 18.3   | 16.7  | 16.4  | 0.4  |
| 52.5° | 7.1    | 7.3    | 7.1    | 7.7    | 7.7    | 7.5    | 7.7    | 7.5    | 7.3   | 6.5   | 0.0  |
| 55°   | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.3    | 2.5    | 2.3   | 2.5   | 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°    | 7.1   | 7.1 | 7.1    | 7.1  | 7.1    | 7.1  |
| 2.5°  | 8.3   | 7.3 | 6.0    | 5.0  | 4.6    | 4.4  |
| 5°    | 9.0   | 6.7 | 4.6    | 3.5  | 3.1    | 2.9  |
| 7.5°  | 9.6   | 6.0 | 3.5    | 2.5  | 1.9    | 1.7  |
| 10°   | 10.0  | 5.2 | 2.7    | 1.5  | 1.0    | 1.0  |
| 12.5° | 10.0  | 4.2 | 1.9    | 0.8  | 0.6    | 0.6  |
| 15°   | 9.8   | 3.5 | 1.2    | 0.6  | 0.4    | 0.4  |
| 17.5° | 9.6   | 2.7 | 0.8    | 0.4  | 0.2    | 0.4  |
| 20°   | 9.0   | 2.1 | 0.4    | 0.2  | 0.2    | 0.2  |
| 21°   | 8.7   | 1.9 | 0.4    | 0.2  | 0.2    | 0.2  |
| 22°   | 8.3   | 1.7 | 0.2    | 0.0  | 0.2    | 0.2  |
| 23°   | 7.9   | 1.2 | 0.2    | 0.0  | 0.0    | 0.0  |
| 24°   | 7.3   | 1.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 25°   | 6.9   | 1.0 | 0.2    | 0.0  | 0.0    | 0.0  |
| 26°   | 6.5   | 0.6 | 0.0    | 0.0  | 0.0    | 0.0  |
| 27°   | 5.8   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 5.4   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 4.8   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 4.2   | 0.4 | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 3.3   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 2.7   | 0.2 | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 1.9   | 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 E3A301LI\_5000K

**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)