

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: P1338079

Luminaire Tested: P3A05R30B2750DE010 E3A451LI\_5000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1338079  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-76)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R30B2750DE010 E3A451LI\_5000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R30 optic, 5000K CCT AND, 80CRI , E3A451LI TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

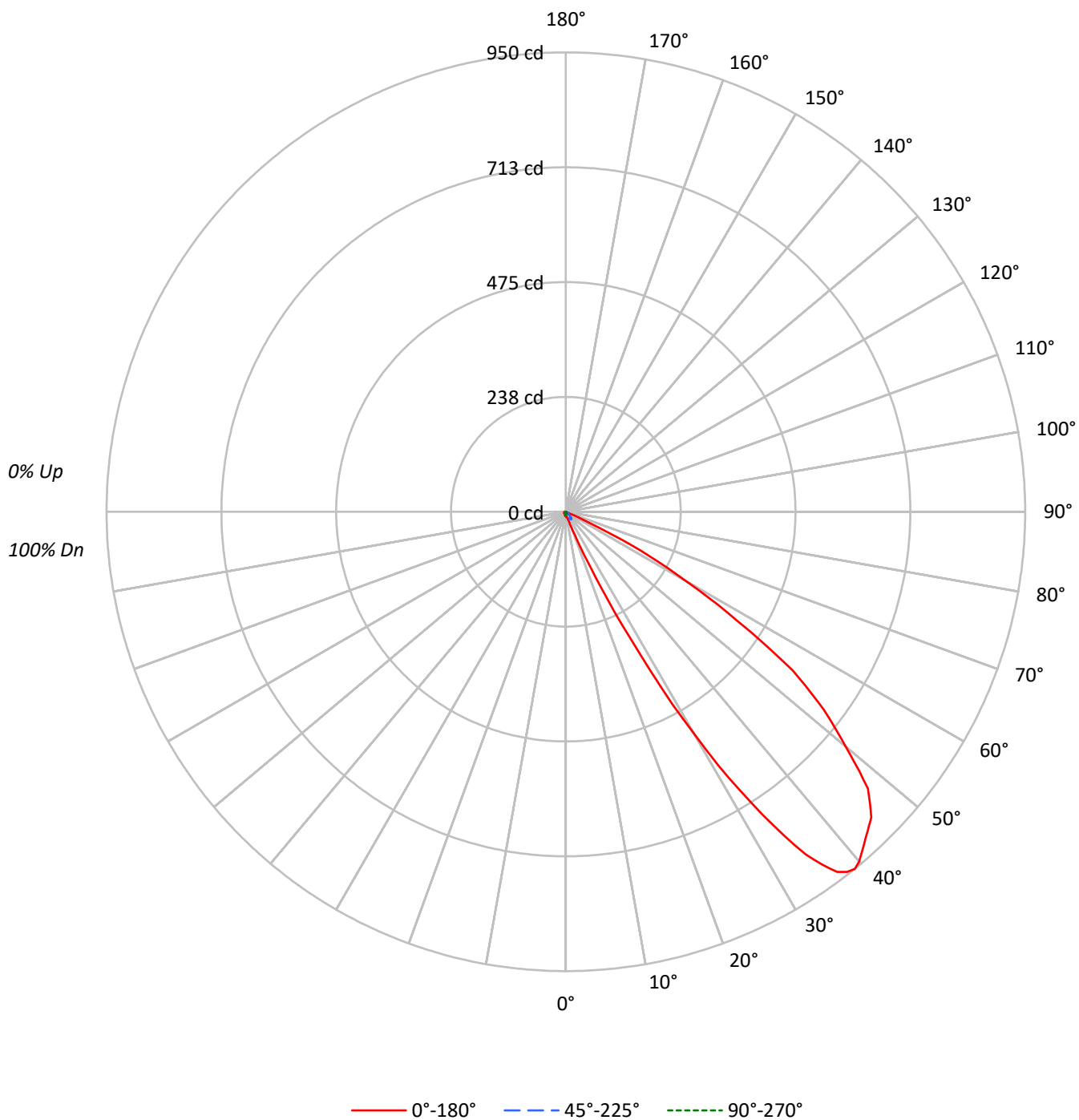
Lumens per Lamp: N/A  
Luminaire Lumens: 247.0 lumens  
Efficiency: N/A  
Efficacy: 41.9 lumens/watt  
Spacing Criteria (0/90/45): 4.07 / 0.66 / 1.44  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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   | 110 | 106 | 102 | 99  | 108 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |
| 2   | 100 | 93  | 86  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  |    |    |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  |    |    |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 52  | 50  |    |    |
| 5   | 75  | 62  | 52  | 46  | 73  | 60  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 54  | 49  | 44  | 42  |    |    |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 48  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  |    |    |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 32  | 26  | 37  | 31  | 26  | 24  |    |    |
| 9   | 52  | 37  | 29  | 23  | 50  | 37  | 28  | 23  | 36  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  |    |    |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |    |    |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 2105   | 2105 | 2105 | 2105 | 2105 |
| 5°  | 2245   | 2201 | 2069 | 1871 | 1827 |
| 10° | 2449   | 2182 | 1804 | 1625 | 1581 |
| 15° | 3587   | 2179 | 1521 | 1362 | 1407 |
| 20° | 9031   | 2380 | 1167 | 1167 | 1307 |
| 25° | 41930  | 2976 | 895  | 1065 | 1210 |
| 30° | 133489 | 4102 | 684  | 1013 | 1215 |
| 35° | 231634 | 5006 | 562  | 937  | 1231 |
| 40° | 270163 | 5009 | 429  | 945  | 1260 |
| 45° | 277052 | 3535 | 465  | 1023 | 1364 |
| 50° | 257663 | 1979 | 341  | 1058 | 1569 |
| 55° | 218984 | 1032 | 382  | 1185 | 1759 |
| 60° | 126481 | 263  | 439  | 1272 | 1930 |
| 65° | 25787  | 0    | 519  | 1505 | 2179 |
| 70° | 385    | 128  | 641  | 1731 | 2565 |
| 75° | 339    | 169  | 678  | 1779 | 2965 |
| 80° | 253    | 253  | 1010 | 2147 | 3410 |
| 85° | 0      | 503  | 2013 | 2013 | 4277 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 277052 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 0.9    | 0.4       |
| 10°-20°   | 2.5    | 1.0       |
| 20°-30°   | 14.2   | 5.8       |
| 30°-40°   | 66.5   | 26.9      |
| 40°-50°   | 94.1   | 38.1      |
| 50°-60°   | 57.9   | 23.4      |
| 60°-70°   | 8.8    | 3.6       |
| 70°-80°   | 1.4    | 0.6       |
| 80°-90°   | 0.7    | 0.3       |
| 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°    | 17.6   | 7.1       |
| 0°-40°    | 84.1   | 34.1      |
| 0°-60°    | 236.1  | 95.6      |
| 0°-90°    | 247.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 247.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 10  | 10  | 10  | 10   | 10   |      |
| 5°  | 10  | 10  | 9   | 8    | 8    | 1    |
| 15° | 16  | 10  | 7   | 6    | 6    | 6    |
| 25° | 173 | 12  | 4   | 4    | 5    | 107  |
| 35° | 865 | 19  | 2   | 4    | 5    | 519  |
| 45° | 893 | 11  | 2   | 3    | 4    | 677  |
| 55° | 573 | 3   | 1   | 3    | 5    | 487  |
| 65° | 50  | 0   | 1   | 3    | 4    | 90   |
| 75° | 0   | 0   | 1   | 2    | 4    | 0    |
| 85° | 0   | 0   | 1   | 1    | 2    | 0    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |

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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 22.5° | 45°  | 67.5° | 90° | 112.5° | 135° |
|-------|-------|-------|-------|-------|-------|-------|------|-------|-----|--------|------|
| 0°    | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6   | 9.6  | 9.6   | 9.6 | 9.6    | 9.6  |
| 2.5°  | 9.8   | 9.8   | 10.0  | 10.0  | 9.8   | 10.0  | 10.0 | 10.0  | 9.6 | 9.4    | 8.9  |
| 5°    | 10.2  | 10.2  | 10.2  | 10.4  | 10.2  | 10.2  | 10.0 | 9.8   | 9.4 | 8.7    | 8.5  |
| 7.5°  | 10.6  | 10.6  | 10.4  | 10.6  | 10.4  | 10.4  | 10.0 | 9.6   | 8.9 | 8.3    | 7.9  |
| 10°   | 11.0  | 11.0  | 10.8  | 10.8  | 10.6  | 10.6  | 9.8  | 9.2   | 8.1 | 7.5    | 7.3  |
| 12.5° | 12.3  | 12.3  | 12.1  | 11.9  | 11.4  | 11.2  | 9.6  | 8.5   | 7.3 | 6.7    | 6.4  |
| 15°   | 15.8  | 15.6  | 15.2  | 14.6  | 13.5  | 13.3  | 9.6  | 7.9   | 6.7 | 6.0    | 6.0  |
| 17.5° | 21.6  | 21.4  | 20.8  | 19.1  | 17.3  | 16.6  | 9.6  | 7.1   | 5.8 | 5.4    | 5.4  |
| 20°   | 38.7  | 37.0  | 33.9  | 29.8  | 25.4  | 23.1  | 10.2 | 6.2   | 5.0 | 4.8    | 5.0  |
| 21°   | 50.6  | 48.9  | 44.9  | 38.1  | 30.4  | 27.9  | 10.6 | 6.0   | 4.8 | 4.6    | 5.0  |
| 22°   | 68.9  | 67.0  | 58.9  | 49.5  | 38.5  | 34.1  | 10.8 | 5.6   | 4.4 | 4.4    | 4.8  |
| 23°   | 96.1  | 93.0  | 79.3  | 64.3  | 48.1  | 41.8  | 11.2 | 5.4   | 4.2 | 4.4    | 4.6  |
| 24°   | 125.9 | 123.2 | 107.6 | 85.1  | 61.4  | 52.4  | 11.7 | 5.2   | 4.0 | 4.0    | 4.4  |
| 25°   | 173.3 | 170.2 | 142.5 | 107.4 | 77.8  | 63.0  | 12.3 | 4.8   | 3.7 | 3.7    | 4.4  |
| 26°   | 234.7 | 220.3 | 183.5 | 138.4 | 95.9  | 79.1  | 12.9 | 4.6   | 3.5 | 3.7    | 4.2  |
| 27°   | 293.0 | 281.1 | 239.7 | 177.5 | 118.6 | 97.2  | 13.7 | 4.4   | 3.3 | 3.5    | 4.2  |
| 28°   | 369.5 | 352.9 | 300.7 | 224.5 | 149.4 | 117.6 | 14.6 | 4.2   | 3.1 | 3.5    | 4.0  |
| 29°   | 455.2 | 431.9 | 368.9 | 277.3 | 184.1 | 140.4 | 15.4 | 4.0   | 2.9 | 3.3    | 4.0  |
| 30°   | 527.2 | 505.4 | 442.3 | 340.0 | 224.1 | 170.6 | 16.2 | 3.7   | 2.7 | 3.3    | 4.0  |
| 31°   | 611.7 | 578.6 | 502.3 | 393.0 | 258.4 | 200.8 | 17.1 | 3.3   | 2.5 | 3.1    | 3.7  |
| 32°   | 680.2 | 657.1 | 575.9 | 453.0 | 303.6 | 234.1 | 17.7 | 3.1   | 2.5 | 3.1    | 3.7  |
| 33°   | 746.3 | 715.3 | 636.9 | 510.4 | 344.3 | 268.2 | 18.3 | 2.9   | 2.3 | 2.9    | 3.7  |
| 34°   | 809.6 | 781.1 | 694.5 | 556.8 | 382.8 | 300.7 | 18.7 | 2.5   | 2.3 | 2.9    | 3.5  |
| 35°   | 865.3 | 832.2 | 745.3 | 602.1 | 422.4 | 330.2 | 18.7 | 2.3   | 2.1 | 2.7    | 3.5  |
| 36°   | 901.5 | 877.8 | 789.4 | 646.9 | 458.2 | 358.3 | 18.7 | 2.1   | 1.9 | 2.7    | 3.3  |
| 37°   | 932.5 | 904.9 | 824.8 | 681.2 | 484.6 | 380.8 | 18.7 | 1.9   | 1.9 | 2.7    | 3.3  |
| 38°   | 945.2 | 921.5 | 849.1 | 711.6 | 509.3 | 403.6 | 18.5 | 1.7   | 1.7 | 2.5    | 3.3  |
| 39°   | 950.2 | 929.0 | 867.4 | 733.4 | 527.6 | 419.0 | 18.1 | 1.5   | 1.7 | 2.5    | 3.3  |
| 40°   | 943.8 | 927.8 | 876.8 | 747.6 | 542.2 | 430.3 | 17.5 | 1.2   | 1.5 | 2.5    | 3.3  |
| 42.5° | 917.1 | 906.5 | 874.7 | 761.7 | 554.7 | 438.6 | 15.2 | 0.8   | 1.5 | 2.3    | 3.3  |
| 45°   | 893.4 | 881.8 | 853.7 | 746.9 | 538.5 | 422.2 | 11.4 | 0.4   | 1.5 | 2.3    | 3.3  |
| 47.5° | 847.4 | 840.2 | 818.1 | 709.3 | 502.9 | 385.1 | 8.1  | 0.2   | 1.2 | 2.1    | 3.1  |
| 50°   | 755.3 | 748.4 | 719.3 | 615.9 | 432.6 | 325.6 | 5.8  | 0.2   | 1.0 | 2.1    | 3.1  |
| 52.5° | 672.7 | 665.4 | 623.6 | 512.0 | 332.3 | 238.6 | 3.7  | 0.2   | 1.0 | 2.1    | 3.1  |
| 55°   | 572.8 | 560.1 | 505.2 | 388.7 | 235.5 | 160.0 | 2.7  | 0.2   | 1.0 | 1.9    | 3.1  |
| 57.5° | 424.0 | 405.5 | 356.4 | 265.1 | 135.7 | 86.8  | 1.5  | 0.2   | 1.0 | 1.9    | 3.1  |
| 60°   | 288.4 | 277.3 | 223.0 | 139.8 | 57.8  | 36.6  | 0.6  | 0.2   | 1.0 | 1.9    | 2.9  |
| 62.5° | 174.8 | 160.8 | 112.1 | 59.5  | 25.0  | 16.6  | 0.0  | 0.4   | 1.0 | 1.9    | 2.9  |
| 65°   | 49.7  | 44.1  | 29.3  | 13.5  | 7.1   | 5.4   | 0.0  | 0.4   | 1.0 | 1.9    | 2.9  |
| 67.5° | 1.7   | 1.7   | 1.7   | 1.5   | 1.0   | 1.0   | 0.2  | 0.4   | 1.0 | 1.9    | 2.7  |
| 70°   | 0.6   | 0.6   | 0.6   | 0.4   | 0.4   | 0.2   | 0.2  | 0.4   | 1.0 | 1.7    | 2.7  |
| 72.5° | 0.4   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2  | 0.4   | 0.8 | 1.5    | 2.5  |
| 75°   | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2  | 0.6   | 0.8 | 1.5    | 2.1  |
| 77.5° | 0.4   | 0.4   | 0.4   | 0.2   | 0.2   | 0.2   | 0.2  | 0.6   | 0.8 | 1.2    | 2.1  |
| 80°   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2   | 0.2  | 0.6   | 0.8 | 1.2    | 1.7  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° |
|-------|-----|-----|-----|-----|-----|-------|-----|-------|-----|--------|------|
| 82.5° | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0   | 0.2 | 0.6   | 0.8 | 0.8    | 1.2  |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.2 | 0.6   | 0.8 | 0.6    | 0.8  |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.2 | 0.6   | 0.6 | 0.6    | 0.4  |
| 90°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0    | 0.0  |

TEST NUMBER: P1338079

CATALOG NUMBER: P3A05R30B2750DE010 E3A451LI\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 157.5° | 180° |
|-------|--------|------|
| 0°    | 9.6    | 9.6  |
| 2.5°  | 8.9    | 8.9  |
| 5°    | 8.3    | 8.3  |
| 7.5°  | 7.7    | 7.7  |
| 10°   | 7.1    | 7.1  |
| 12.5° | 6.7    | 6.7  |
| 15°   | 6.0    | 6.2  |
| 17.5° | 5.6    | 5.8  |
| 20°   | 5.4    | 5.6  |
| 21°   | 5.4    | 5.6  |
| 22°   | 5.2    | 5.4  |
| 23°   | 5.2    | 5.4  |
| 24°   | 5.0    | 5.2  |
| 25°   | 4.8    | 5.0  |
| 26°   | 4.8    | 5.0  |
| 27°   | 4.8    | 5.0  |
| 28°   | 4.6    | 5.0  |
| 29°   | 4.6    | 4.8  |
| 30°   | 4.6    | 4.8  |
| 31°   | 4.4    | 4.8  |
| 32°   | 4.4    | 4.8  |
| 33°   | 4.4    | 4.6  |
| 34°   | 4.2    | 4.6  |
| 35°   | 4.2    | 4.6  |
| 36°   | 4.2    | 4.6  |
| 37°   | 4.2    | 4.4  |
| 38°   | 4.2    | 4.6  |
| 39°   | 4.2    | 4.4  |
| 40°   | 4.2    | 4.4  |
| 42.5° | 4.2    | 4.4  |
| 45°   | 4.2    | 4.4  |
| 47.5° | 4.2    | 4.6  |
| 50°   | 4.2    | 4.6  |
| 52.5° | 4.2    | 4.6  |
| 55°   | 4.2    | 4.6  |
| 57.5° | 4.2    | 4.4  |
| 60°   | 4.2    | 4.4  |
| 62.5° | 4.0    | 4.4  |
| 65°   | 4.0    | 4.2  |
| 67.5° | 4.0    | 4.2  |
| 70°   | 3.7    | 4.0  |
| 72.5° | 3.5    | 3.7  |
| 75°   | 3.1    | 3.5  |
| 77.5° | 2.9    | 3.1  |
| 80°   | 2.5    | 2.7  |



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CATALOG NUMBER: P3A05R30B2750DE010 E3A451LI\_5000K

**CANDELA DISTRIBUTION (continued):**

|       | 157.5° | 180° |
|-------|--------|------|
| 82.5° | 2.1    | 2.1  |
| 85°   | 1.5    | 1.7  |
| 87.5° | 0.8    | 0.8  |
| 90°   | 0.0    | 0.0  |

(END OF REPORT)