

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: P1337078

Luminaire Tested: P3A05R20B2750DE010 E3A451WH\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1337078  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R20B2750DE010 E3A451WH\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI , E3A451WH TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

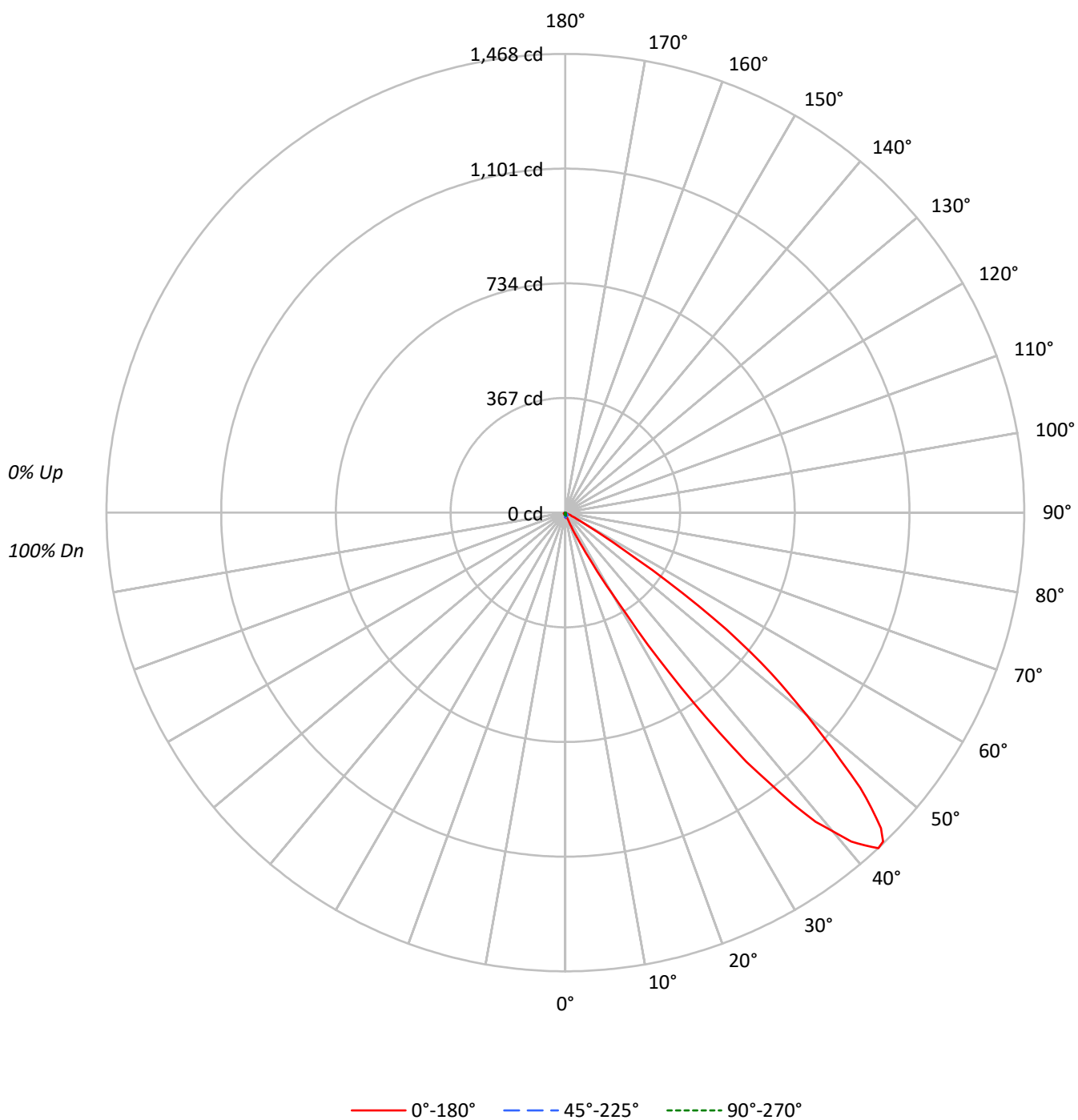
Lumens per Lamp: N/A  
Luminaire Lumens: 204.0 lumens  
Efficiency: N/A  
Efficacy: 34.6 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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

TEST NUMBER: P1337078

CATALOG NUMBER: P3A05R20B2750DE010 E3A451WH\_3000K

### 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  |     |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 0   |  |  |   |
| 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 | 101 | 97  | 100 | 97  | 94  | 96  | 94  | 92  | 92  | 91  | 89  | 87  |  |  |   |
| 2   | 101 | 93  | 87  | 82  | 98  | 91  | 86  | 81  | 88  | 83  | 79  | 85  | 81  | 77  | 82  | 78  | 75  | 73  |  |  |   |
| 3   | 92  | 81  | 74  | 67  | 89  | 80  | 73  | 67  | 77  | 71  | 66  | 74  | 69  | 65  | 72  | 67  | 63  | 61  |  |  |   |
| 4   | 83  | 71  | 62  | 56  | 81  | 70  | 62  | 55  | 67  | 60  | 55  | 65  | 59  | 54  | 63  | 58  | 53  | 51  |  |  |   |
| 5   | 75  | 62  | 53  | 46  | 73  | 61  | 53  | 46  | 59  | 51  | 46  | 57  | 50  | 45  | 55  | 49  | 45  | 42  |  |  |   |
| 6   | 68  | 55  | 45  | 39  | 66  | 54  | 45  | 38  | 52  | 44  | 38  | 50  | 43  | 38  | 48  | 42  | 37  | 35  |  |  |   |
| 7   | 62  | 48  | 39  | 32  | 60  | 47  | 38  | 32  | 46  | 38  | 32  | 44  | 37  | 32  | 43  | 36  | 31  | 29  |  |  |   |
| 8   | 57  | 42  | 33  | 27  | 55  | 42  | 33  | 27  | 40  | 33  | 27  | 39  | 32  | 27  | 38  | 31  | 27  | 25  |  |  |   |
| 9   | 52  | 38  | 29  | 23  | 51  | 37  | 29  | 23  | 36  | 28  | 23  | 35  | 28  | 23  | 34  | 27  | 23  | 21  |  |  |   |
| 10  | 48  | 34  | 25  | 20  | 47  | 33  | 25  | 20  | 32  | 25  | 19  | 31  | 24  | 19  | 30  | 24  | 19  | 17  |  |  |   |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 3114   | 3114 | 3114 | 3114 | 3114 |
| 5°  | 3632   | 3368 | 2906 | 2531 | 2443 |
| 10° | 3585   | 3073 | 2316 | 1959 | 1915 |
| 15° | 3133   | 2361 | 1703 | 1566 | 1657 |
| 20° | 4644   | 1960 | 1260 | 1353 | 1470 |
| 25° | 20033  | 2032 | 968  | 1210 | 1428 |
| 30° | 75784  | 2481 | 836  | 1165 | 1418 |
| 35° | 229707 | 2971 | 776  | 1178 | 1499 |
| 40° | 380914 | 2977 | 658  | 1260 | 1603 |
| 45° | 442744 | 2016 | 589  | 1302 | 1737 |
| 50° | 343665 | 1126 | 580  | 1365 | 1979 |
| 55° | 198913 | 726  | 573  | 1529 | 2141 |
| 60° | 33638  | 175  | 526  | 1579 | 2368 |
| 65° | 2594   | 0    | 623  | 1816 | 2698 |
| 70° | 385    | 0    | 769  | 1988 | 3077 |
| 75° | 339    | 169  | 847  | 2288 | 3558 |
| 80° | 253    | 253  | 1263 | 2399 | 4167 |
| 85° | 503    | 503  | 2013 | 2516 | 4277 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle:  $45^\circ$

Luminance: 442744 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1.2    | 0.6       |
| 10°-20°   | 2.6    | 1.3       |
| 20°-30°   | 8.1    | 4.0       |
| 30°-40°   | 52.0   | 25.5      |
| 40°-50°   | 95.2   | 46.7      |
| 50°-60°   | 39.1   | 19.2      |
| 60°-70°   | 3.3    | 1.6       |
| 70°-80°   | 1.7    | 0.8       |
| 80°-90°   | 0.8    | 0.4       |
| 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°    | 11.9   | 5.8       |
| 0°-40°    | 63.9   | 31.3      |
| 0°-60°    | 198.3  | 97.2      |
| 0°-90°    | 204.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 204.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 14   | 14  | 14  | 14   | 14   |      |
| 5°  | 16   | 15  | 13  | 12   | 11   | 2    |
| 15° | 14   | 10  | 8   | 7    | 7    | 4    |
| 25° | 83   | 8   | 4   | 5    | 6    | 54   |
| 35° | 858  | 11  | 3   | 4    | 6    | 543  |
| 45° | 1428 | 6   | 2   | 4    | 6    | 1025 |
| 55° | 520  | 2   | 2   | 4    | 6    | 455  |
| 65° | 5    | 0   | 1   | 4    | 5    | 16   |
| 75° | 0    | 0   | 1   | 3    | 4    | 0    |
| 85° | 0    | 0   | 1   | 1    | 2    | 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°    | 14.2   | 14.2   | 14.2   | 14.2   | 14.2   | 14.2  | 14.2  | 14.2  | 14.2  | 14.2  | 14.2 |
| 2.5°  | 15.5   | 15.5   | 15.5   | 15.3   | 15.3   | 15.5  | 15.3  | 15.3  | 15.3  | 15.3  | 15.1 |
| 5°    | 16.5   | 16.5   | 16.5   | 16.5   | 16.5   | 16.5  | 16.5  | 16.3  | 16.3  | 16.1  | 15.3 |
| 7.5°  | 16.9   | 16.9   | 16.9   | 16.9   | 16.7   | 16.7  | 16.7  | 16.7  | 16.5  | 16.3  | 15.0 |
| 10°   | 16.1   | 16.1   | 16.1   | 15.9   | 15.9   | 15.9  | 15.7  | 15.7  | 15.5  | 15.3  | 13.8 |
| 12.5° | 14.6   | 14.6   | 14.6   | 14.6   | 14.4   | 14.4  | 14.2  | 14.2  | 14.0  | 13.8  | 12.1 |
| 15°   | 13.8   | 13.8   | 13.8   | 13.6   | 13.6   | 13.4  | 13.2  | 13.0  | 12.8  | 12.5  | 10.4 |
| 17.5° | 15.0   | 15.0   | 14.8   | 14.8   | 14.4   | 14.0  | 13.8  | 13.2  | 12.8  | 12.3  | 9.2  |
| 20°   | 19.9   | 20.1   | 19.4   | 18.8   | 18.4   | 17.3  | 16.7  | 15.7  | 15.0  | 14.0  | 8.4  |
| 22.5° | 40.3   | 39.5   | 38.2   | 36.0   | 33.5   | 31.4  | 27.6  | 24.5  | 22.4  | 19.6  | 8.2  |
| 25°   | 82.8   | 82.1   | 78.4   | 75.3   | 67.7   | 61.7  | 53.5  | 46.8  | 39.9  | 33.2  | 8.4  |
| 27.5° | 157.4  | 152.2  | 151.3  | 137.3  | 126.5  | 111.2 | 95.3  | 81.9  | 69.6  | 56.0  | 9.0  |
| 30°   | 299.3  | 293.3  | 272.4  | 251.3  | 222.4  | 189.6 | 158.4 | 129.2 | 104.9 | 82.8  | 9.8  |
| 31°   | 379.8  | 385.5  | 361.0  | 318.6  | 275.9  | 233.9 | 191.1 | 154.1 | 122.7 | 95.3  | 10.2 |
| 32°   | 499.2  | 474.1  | 448.2  | 404.7  | 342.6  | 288.9 | 235.2 | 181.9 | 140.5 | 108.7 | 10.5 |
| 33°   | 612.1  | 597.4  | 557.9  | 503.6  | 429.1  | 353.7 | 284.1 | 214.7 | 162.4 | 125.0 | 10.7 |
| 34°   | 732.5  | 716.2  | 684.2  | 606.4  | 524.5  | 425.8 | 333.0 | 252.5 | 188.5 | 140.9 | 10.9 |
| 35°   | 858.1  | 851.2  | 789.5  | 722.0  | 621.3  | 502.3 | 391.9 | 293.9 | 214.0 | 155.5 | 11.1 |
| 36°   | 984.4  | 962.2  | 913.9  | 815.4  | 710.3  | 573.0 | 453.6 | 332.4 | 239.8 | 172.7 | 11.1 |
| 37°   | 1079.5 | 1074.5 | 1010.5 | 914.5  | 791.0  | 648.6 | 506.9 | 375.2 | 265.9 | 187.5 | 11.1 |
| 38°   | 1184.4 | 1164.7 | 1099.7 | 1001.9 | 866.9  | 717.8 | 562.7 | 412.4 | 290.6 | 200.9 | 10.9 |
| 39°   | 1272.8 | 1243.4 | 1177.9 | 1081.3 | 933.3  | 770.3 | 607.0 | 448.4 | 312.5 | 212.0 | 10.7 |
| 40°   | 1330.7 | 1310.4 | 1241.9 | 1133.2 | 993.5  | 820.0 | 651.8 | 478.1 | 328.8 | 220.5 | 10.4 |
| 41°   | 1394.5 | 1360.8 | 1293.1 | 1183.8 | 1037.2 | 863.7 | 680.0 | 497.7 | 341.4 | 226.0 | 10.0 |
| 42°   | 1432.7 | 1405.1 | 1324.7 | 1217.8 | 1068.4 | 888.6 | 703.0 | 512.6 | 349.1 | 228.9 | 9.2  |
| 43°   | 1468.3 | 1430.7 | 1352.5 | 1237.5 | 1089.1 | 906.2 | 713.6 | 519.5 | 350.8 | 228.9 | 8.2  |
| 44°   | 1463.5 | 1427.9 | 1346.8 | 1240.2 | 1093.7 | 911.4 | 718.0 | 519.7 | 348.1 | 226.0 | 7.3  |
| 45°   | 1427.7 | 1392.2 | 1319.2 | 1216.8 | 1077.2 | 901.2 | 709.1 | 512.1 | 340.7 | 221.0 | 6.5  |
| 46°   | 1361.9 | 1326.6 | 1270.7 | 1177.7 | 1046.6 | 878.2 | 688.6 | 495.4 | 328.2 | 213.0 | 5.8  |
| 47°   | 1290.4 | 1256.1 | 1198.8 | 1114.6 | 994.2  | 837.2 | 658.9 | 472.0 | 310.8 | 201.3 | 5.2  |
| 48°   | 1186.7 | 1165.2 | 1107.7 | 1035.8 | 921.6  | 773.0 | 606.8 | 433.8 | 287.4 | 186.2 | 4.4  |
| 49°   | 1095.1 | 1072.4 | 1022.0 | 944.8  | 826.9  | 698.2 | 544.5 | 387.5 | 256.9 | 169.3 | 3.8  |
| 50°   | 1007.4 | 987.7  | 941.1  | 853.9  | 741.4  | 607.9 | 460.3 | 329.0 | 218.6 | 148.4 | 3.3  |
| 51°   | 921.8  | 907.0  | 859.4  | 779.3  | 665.0  | 538.5 | 398.8 | 274.0 | 180.6 | 123.1 | 3.1  |
| 52°   | 835.7  | 833.9  | 782.4  | 701.3  | 590.9  | 469.3 | 338.9 | 231.2 | 153.2 | 103.3 | 2.9  |
| 53°   | 743.1  | 732.0  | 686.9  | 614.1  | 508.0  | 397.2 | 287.4 | 195.0 | 131.9 | 88.0  | 2.5  |
| 54°   | 637.6  | 625.2  | 576.9  | 511.1  | 415.1  | 325.3 | 231.6 | 157.6 | 109.9 | 74.4  | 2.3  |
| 55°   | 520.3  | 499.0  | 463.9  | 396.5  | 324.2  | 248.3 | 178.9 | 124.8 | 87.8  | 61.9  | 1.9  |
| 56°   | 394.7  | 373.5  | 353.7  | 304.1  | 237.9  | 185.2 | 133.2 | 95.7  | 68.6  | 48.9  | 1.7  |
| 57°   | 274.5  | 273.4  | 241.0  | 202.8  | 159.1  | 126.1 | 91.3  | 67.5  | 48.5  | 38.0  | 1.3  |
| 58°   | 178.1  | 172.2  | 151.5  | 129.4  | 104.1  | 78.8  | 58.7  | 45.8  | 33.0  | 25.9  | 1.2  |
| 59°   | 124.8  | 112.9  | 101.8  | 86.3   | 65.6   | 49.7  | 37.8  | 29.3  | 22.8  | 18.0  | 0.8  |
| 60°   | 76.7   | 74.2   | 66.7   | 52.5   | 42.6   | 35.1  | 28.2  | 21.7  | 16.7  | 12.8  | 0.4  |
| 62.5° | 21.9   | 22.2   | 20.1   | 17.8   | 15.3   | 13.2  | 11.9  | 10.2  | 8.4   | 6.7   | 0.0  |
| 65°   | 5.0    | 4.8    | 5.2    | 4.8    | 4.4    | 4.4   | 3.8   | 3.5   | 3.1   | 2.9   | 0.0  |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 1.5 | 1.5  | 1.3 | 1.3  | 1.3 | 1.2   | 1.2 | 1.0   | 1.0 | 0.8   | 0.0 |
| 70°   | 0.6 | 0.6  | 0.6 | 0.6  | 0.6 | 0.4   | 0.4 | 0.4   | 0.2 | 0.2   | 0.0 |
| 72.5° | 0.6 | 0.6  | 0.6 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.2 | 0.2   | 0.2 |
| 75°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.2   | 0.2 | 0.2   | 0.2 |
| 77.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.2   | 0.4 | 0.2   | 0.2 | 0.2   | 0.2 |
| 80°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 82.5° | 0.2 | 0.2  | 0.2 | 0.2  | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 | 0.2   | 0.2 |
| 85°   | 0.2 | 0.2  | 0.2 | 0.2  | 0.0 | 0.0   | 0.2 | 0.2   | 0.2 | 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°    | 14.2  | 14.2 | 14.2   | 14.2 | 14.2   | 14.2 |
| 2.5°  | 14.8  | 14.0 | 13.4   | 12.8 | 12.7   | 12.7 |
| 5°    | 14.4  | 13.2 | 12.1   | 11.5 | 11.1   | 11.1 |
| 7.5°  | 13.2  | 11.9 | 10.7   | 10.2 | 10.0   | 10.0 |
| 10°   | 11.9  | 10.4 | 9.2    | 8.8  | 8.8    | 8.6  |
| 12.5° | 10.4  | 8.8  | 8.1    | 7.9  | 7.9    | 7.9  |
| 15°   | 8.6   | 7.5  | 6.9    | 6.9  | 7.1    | 7.3  |
| 17.5° | 7.3   | 6.1  | 5.9    | 6.3  | 6.7    | 6.7  |
| 20°   | 6.1   | 5.4  | 5.4    | 5.8  | 6.1    | 6.3  |
| 22.5° | 5.2   | 4.6  | 4.8    | 5.4  | 5.9    | 6.1  |
| 25°   | 4.6   | 4.0  | 4.4    | 5.0  | 5.6    | 5.9  |
| 27.5° | 3.8   | 3.6  | 4.0    | 4.8  | 5.6    | 5.8  |
| 30°   | 3.3   | 3.3  | 3.8    | 4.6  | 5.4    | 5.6  |
| 31°   | 3.1   | 3.1  | 3.8    | 4.6  | 5.4    | 5.6  |
| 32°   | 2.9   | 3.1  | 3.6    | 4.6  | 5.4    | 5.6  |
| 33°   | 2.7   | 2.9  | 3.6    | 4.4  | 5.4    | 5.6  |
| 34°   | 2.5   | 2.9  | 3.6    | 4.4  | 5.4    | 5.6  |
| 35°   | 2.3   | 2.9  | 3.6    | 4.4  | 5.4    | 5.6  |
| 36°   | 2.1   | 2.7  | 3.5    | 4.4  | 5.4    | 5.6  |
| 37°   | 1.9   | 2.7  | 3.5    | 4.4  | 5.4    | 5.6  |
| 38°   | 1.7   | 2.5  | 3.5    | 4.4  | 5.4    | 5.6  |
| 39°   | 1.7   | 2.5  | 3.3    | 4.4  | 5.2    | 5.6  |
| 40°   | 1.5   | 2.3  | 3.3    | 4.4  | 5.2    | 5.6  |
| 41°   | 1.3   | 2.3  | 3.3    | 4.2  | 5.2    | 5.6  |
| 42°   | 1.2   | 2.1  | 3.1    | 4.2  | 5.2    | 5.6  |
| 43°   | 1.0   | 2.1  | 3.1    | 4.2  | 5.2    | 5.6  |
| 44°   | 1.0   | 1.9  | 3.1    | 4.2  | 5.2    | 5.6  |
| 45°   | 0.8   | 1.9  | 3.1    | 4.2  | 5.2    | 5.6  |
| 46°   | 0.6   | 1.9  | 3.1    | 4.2  | 5.2    | 5.6  |
| 47°   | 0.6   | 1.7  | 2.9    | 4.2  | 5.2    | 5.6  |
| 48°   | 0.4   | 1.7  | 2.9    | 4.2  | 5.2    | 5.6  |
| 49°   | 0.4   | 1.7  | 2.9    | 4.2  | 5.2    | 5.8  |
| 50°   | 0.4   | 1.7  | 2.9    | 4.0  | 5.2    | 5.8  |
| 51°   | 0.2   | 1.7  | 2.9    | 4.0  | 5.2    | 5.8  |
| 52°   | 0.2   | 1.7  | 2.7    | 4.0  | 5.4    | 5.8  |
| 53°   | 0.2   | 1.5  | 2.7    | 4.0  | 5.4    | 5.8  |
| 54°   | 0.2   | 1.5  | 2.7    | 4.0  | 5.4    | 5.6  |
| 55°   | 0.2   | 1.5  | 2.7    | 4.0  | 5.2    | 5.6  |
| 56°   | 0.2   | 1.3  | 2.7    | 4.0  | 5.2    | 5.6  |
| 57°   | 0.2   | 1.3  | 2.5    | 3.8  | 5.2    | 5.4  |
| 58°   | 0.2   | 1.3  | 2.5    | 3.8  | 5.2    | 5.4  |
| 59°   | 0.2   | 1.3  | 2.5    | 3.8  | 5.0    | 5.4  |
| 60°   | 0.4   | 1.2  | 2.3    | 3.6  | 5.0    | 5.4  |
| 62.5° | 0.4   | 1.2  | 2.3    | 3.6  | 4.8    | 5.2  |
| 65°   | 0.4   | 1.2  | 2.1    | 3.5  | 4.8    | 5.2  |





TEST NUMBER: P1337078

CATALOG NUMBER: P3A05R20B2750DE010 E3A451WH\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.4   | 1.0 | 1.9    | 3.3  | 4.6    | 5.0  |
| 70°   | 0.4   | 1.2 | 1.9    | 3.1  | 4.4    | 4.8  |
| 72.5° | 0.6   | 1.0 | 1.7    | 2.9  | 4.2    | 4.6  |
| 75°   | 0.6   | 1.0 | 1.7    | 2.7  | 4.0    | 4.2  |
| 77.5° | 0.8   | 1.0 | 1.5    | 2.3  | 3.6    | 3.8  |
| 80°   | 0.8   | 1.0 | 1.3    | 1.9  | 3.1    | 3.3  |
| 82.5° | 0.8   | 1.0 | 1.0    | 1.5  | 2.3    | 2.5  |
| 85°   | 0.6   | 0.8 | 0.8    | 1.0  | 1.5    | 1.7  |
| 87.5° | 0.6   | 0.8 | 0.6    | 0.4  | 0.8    | 0.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)