

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: P1343961

Luminaire Tested: P3A13R209050DE010 E3A301B

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343961  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-60)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R209050DE010 E3A301B  
Description: 3in Adjustable LED luminaire with, R20 optic, 5000K CCT AND, 90CRI , E3A301B TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

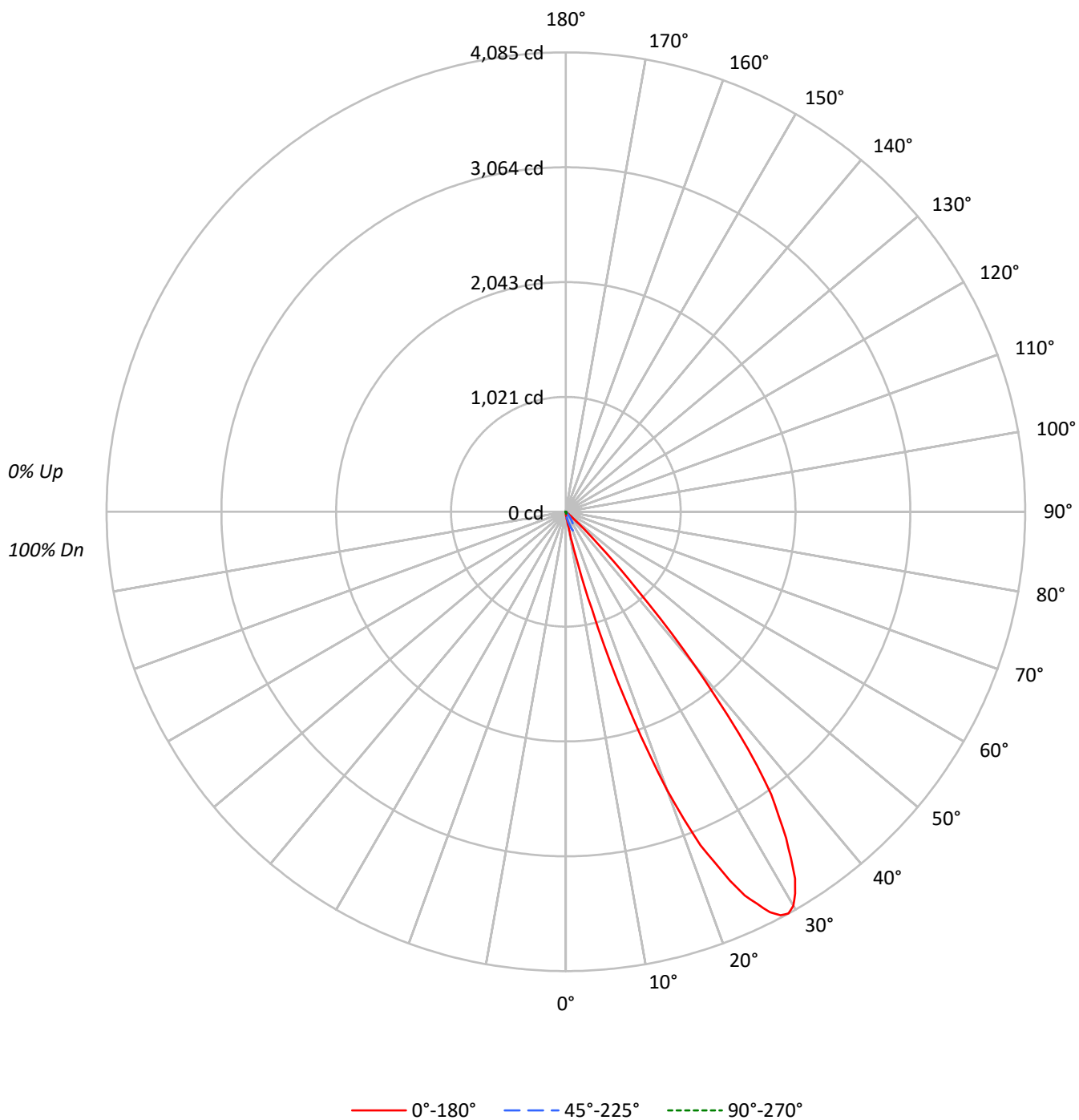
Lumens per Lamp: N/A  
Luminaire Lumens: 573.0 lumens  
Efficiency: N/A  
Efficacy: 39.2 lumens/watt  
Spacing Criteria (0/90/45): 2.29 / 0.53 / 1.19  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.6  
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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CATALOG NUMBER: P3A13R209050DE010 E3A301B

### Luminous Intensity Polar Plot



TEST NUMBER: P1343961

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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 | 102 | 102 | 100 |
| 1   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 93  | 93  | 92  |
| 2   | 106 | 100 | 96  | 92  | 104 | 99  | 94  | 91  | 95  | 92  | 89  | 92  | 89  | 87  | 89  | 87  | 85  | 85  | 85  | 83  |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 80  | 77  | 77  | 77  | 75  |
| 4   | 93  | 84  | 78  | 73  | 91  | 83  | 77  | 72  | 81  | 76  | 71  | 79  | 74  | 71  | 77  | 73  | 70  | 70  | 70  | 68  |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 70  | 65  | 74  | 69  | 64  | 72  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 6   | 81  | 71  | 64  | 59  | 80  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 62  | 58  | 65  | 61  | 57  | 57  | 57  | 55  |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 53  | 63  | 57  | 52  | 62  | 56  | 52  | 60  | 55  | 52  | 52  | 52  | 50  |
| 8   | 71  | 60  | 53  | 48  | 70  | 59  | 52  | 48  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 47  | 47  | 45  |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 43  | 43  | 43  | 41  |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 39  | 39  | 37  |

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

|     | 0°      | 45°   | 90°  | 135° | 180° |
|-----|---------|-------|------|------|------|
| 0°  | 4342    | 4342  | 4342 | 4342 | 4342 |
| 5°  | 9949    | 7440  | 4116 | 2509 | 2179 |
| 10° | 31373   | 12959 | 3362 | 1381 | 1047 |
| 15° | 203225  | 23950 | 2474 | 477  | 114  |
| 20° | 613323  | 41000 | 1703 | 0    | 0    |
| 25° | 910867  | 41373 | 1016 | 0    | 0    |
| 30° | 1024310 | 31448 | 405  | 0    | 0    |
| 35° | 883786  | 18792 | 268  | 0    | 0    |
| 40° | 508925  | 6412  | 0    | 0    | 0    |
| 45° | 124137  | 2574  | 155  | 0    | 155  |
| 50° | 14908   | 716   | 171  | 171  | 546  |
| 55° | 1988    | 0     | 382  | 382  | 803  |
| 60° | 219     | 0     | 702  | 702  | 1140 |
| 65° | 259     | 259   | 1090 | 1090 | 1608 |
| 70° | 321     | 321   | 1346 | 1346 | 1667 |
| 75° | 0       | 424   | 1779 | 1356 | 1779 |
| 80° | 0       | 631   | 2020 | 1263 | 2020 |
| 85° | 0       | 1258  | 4026 | 1258 | 1258 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 2.5°

Vertical Angle: 45°

Luminance: 124943 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.6    | 0.5       |
| 10°-20°   | 53.1   | 9.3       |
| 20°-30°   | 231.5  | 40.4      |
| 30°-40°   | 233.1  | 40.7      |
| 40°-50°   | 46.7   | 8.2       |
| 50°-60°   | 2.3    | 0.4       |
| 60°-70°   | 1.5    | 0.3       |
| 70°-80°   | 1.4    | 0.2       |
| 80°-90°   | 0.7    | 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°    | 287.2  | 50.1      |
| 0°-40°    | 520.3  | 90.8      |
| 0°-60°    | 569.4  | 99.4      |
| 0°-90°    | 573.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 573.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 20   | 20  | 20  | 20   | 20   |      |
| 5°  | 45   | 34  | 19  | 11   | 10   | 7    |
| 15° | 895  | 106 | 11  | 2    | 0    | 351  |
| 25° | 3765 | 171 | 4   | 0    | 0    | 1697 |
| 35° | 3302 | 70  | 1   | 0    | 0    | 1964 |
| 45° | 400  | 8   | 0   | 0    | 0    | 436  |
| 55° | 5    | 0   | 1   | 1    | 2    | 10   |
| 65° | 0    | 0   | 2   | 2    | 3    | 0    |
| 75° | 0    | 0   | 2   | 2    | 2    | 0    |
| 85° | 0    | 0   | 2   | 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°    | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8   | 19.8  |
| 2.5°  | 29.6   | 29.6   | 29.1   | 29.1   | 28.6   | 29.1   | 28.1   | 28.6   | 28.6   | 28.1   | 25.5  |
| 5°    | 45.2   | 46.3   | 45.7   | 45.7   | 45.2   | 45.7   | 44.7   | 43.7   | 42.6   | 42.6   | 33.8  |
| 7.5°  | 74.3   | 73.8   | 72.8   | 73.3   | 71.7   | 70.7   | 69.7   | 69.1   | 66.0   | 64.5   | 44.2  |
| 10°   | 140.9  | 144.0  | 141.4  | 140.9  | 131.5  | 131.0  | 124.8  | 115.9  | 108.1  | 104.0  | 58.2  |
| 12.5° | 387.8  | 404.4  | 378.4  | 366.0  | 358.7  | 330.6  | 318.7  | 288.0  | 258.4  | 236.0  | 73.8  |
| 15°   | 895.2  | 936.2  | 883.7  | 887.4  | 843.7  | 763.7  | 693.5  | 633.2  | 562.0  | 490.2  | 105.5 |
| 17.5° | 1754.0 | 1720.7 | 1692.1 | 1643.8 | 1554.9 | 1437.4 | 1286.1 | 1132.7 | 1000.2 | 861.4  | 147.1 |
| 20°   | 2628.3 | 2598.7 | 2533.7 | 2428.2 | 2314.9 | 2140.7 | 1960.9 | 1730.6 | 1507.6 | 1298.6 | 175.7 |
| 21°   | 2929.3 | 2919.5 | 2812.9 | 2747.9 | 2573.2 | 2406.9 | 2199.5 | 1953.1 | 1702.0 | 1454.5 | 180.4 |
| 22°   | 3198.1 | 3138.8 | 3081.7 | 2985.5 | 2811.9 | 2630.9 | 2400.1 | 2140.7 | 1868.3 | 1593.3 | 180.9 |
| 23°   | 3384.2 | 3357.2 | 3303.1 | 3194.5 | 3021.9 | 2809.3 | 2566.0 | 2294.6 | 2007.6 | 1691.6 | 179.3 |
| 24°   | 3590.1 | 3555.8 | 3476.7 | 3349.9 | 3175.7 | 2965.7 | 2688.1 | 2418.8 | 2106.9 | 1774.2 | 175.2 |
| 25°   | 3764.7 | 3711.2 | 3617.6 | 3480.9 | 3290.6 | 3073.9 | 2794.7 | 2498.9 | 2176.1 | 1829.9 | 171.0 |
| 26°   | 3878.1 | 3848.9 | 3728.9 | 3580.2 | 3376.4 | 3152.9 | 2868.0 | 2560.2 | 2220.8 | 1855.3 | 164.3 |
| 27°   | 3996.1 | 3942.5 | 3824.5 | 3653.5 | 3432.5 | 3204.3 | 2909.6 | 2589.9 | 2236.4 | 1856.4 | 156.0 |
| 28°   | 4063.6 | 4005.4 | 3871.8 | 3692.0 | 3468.9 | 3232.9 | 2933.5 | 2599.2 | 2233.3 | 1840.3 | 146.1 |
| 29°   | 4085.0 | 4011.7 | 3881.2 | 3698.2 | 3477.8 | 3235.0 | 2929.9 | 2585.7 | 2205.7 | 1800.7 | 134.6 |
| 30°   | 4045.4 | 3970.6 | 3846.9 | 3668.6 | 3449.7 | 3209.0 | 2896.1 | 2541.0 | 2156.8 | 1744.1 | 124.2 |
| 31°   | 3959.2 | 3895.7 | 3776.2 | 3597.3 | 3387.3 | 3148.2 | 2819.6 | 2467.7 | 2073.7 | 1668.2 | 112.3 |
| 32°   | 3845.3 | 3782.9 | 3665.4 | 3503.8 | 3290.1 | 3048.9 | 2715.2 | 2353.3 | 1975.9 | 1554.9 | 100.3 |
| 33°   | 3674.3 | 3638.4 | 3532.9 | 3378.5 | 3164.8 | 2907.0 | 2574.8 | 2216.6 | 1836.6 | 1429.1 | 89.9  |
| 34°   | 3501.2 | 3455.9 | 3382.1 | 3213.2 | 2983.4 | 2726.1 | 2391.8 | 2027.9 | 1666.6 | 1288.2 | 80.1  |
| 35°   | 3301.5 | 3274.5 | 3158.6 | 3023.4 | 2792.6 | 2529.6 | 2197.4 | 1844.4 | 1468.6 | 1131.2 | 70.2  |
| 36°   | 3108.2 | 3066.6 | 2934.5 | 2791.6 | 2567.5 | 2283.2 | 1955.1 | 1623.5 | 1297.5 | 984.1  | 59.8  |
| 37°   | 2827.4 | 2764.0 | 2669.9 | 2519.2 | 2257.2 | 2014.9 | 1715.5 | 1407.7 | 1087.0 | 825.0  | 48.3  |
| 38°   | 2497.3 | 2467.7 | 2337.2 | 2185.4 | 1968.7 | 1738.9 | 1442.6 | 1181.6 | 896.7  | 688.8  | 36.9  |
| 39°   | 2108.0 | 2107.5 | 1982.7 | 1873.0 | 1660.9 | 1454.0 | 1186.8 | 959.1  | 740.3  | 554.7  | 28.6  |
| 40°   | 1777.9 | 1716.5 | 1639.6 | 1501.8 | 1339.1 | 1163.4 | 929.5  | 750.7  | 574.4  | 447.1  | 22.4  |
| 42.5° | 932.1  | 926.9  | 881.7  | 778.2  | 687.2  | 583.8  | 464.2  | 386.8  | 302.6  | 246.4  | 14.0  |
| 45°   | 400.3  | 402.9  | 371.7  | 356.1  | 320.7  | 277.6  | 234.5  | 195.5  | 167.4  | 135.7  | 8.3   |
| 47.5° | 101.4  | 97.2   | 96.2   | 99.8   | 99.8   | 96.7   | 86.8   | 81.6   | 75.4   | 69.1   | 4.7   |
| 50°   | 43.7   | 42.6   | 41.6   | 41.6   | 39.0   | 37.4   | 34.8   | 31.7   | 29.1   | 26.0   | 2.1   |
| 52.5° | 16.1   | 16.6   | 17.2   | 16.6   | 16.6   | 16.1   | 16.1   | 15.6   | 14.0   | 12.5   | 1.0   |
| 55°   | 5.2    | 5.2    | 5.2    | 5.7    | 5.7    | 6.2    | 6.2    | 6.2    | 6.2    | 5.7    | 0.0   |
| 57.5° | 1.0    | 1.0    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 1.6    | 2.1    | 2.1    | 0.0   |
| 60°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.0    | 0.0    | 0.0    | 0.0   |
| 62.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |
| 65°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |
| 67.5° | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |
| 70°   | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |
| 72.5° | 0.5    | 0.0    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5    | 0.5   |
| 75°   | 0.0    | 0.0    | 0.0    | 0.5    | 0.0    | 0.5    | 0.5    | 0.0    | 0.5    | 0.5    | 0.5   |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5    | 0.5   |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.5   |



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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   | 0.5 |
| 85°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.5 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.5 |
| 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: P1343961

CATALOG NUMBER: P3A13R209050DE010 E3A301B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 19.8  | 19.8 | 19.8   | 19.8 | 19.8   | 19.8 |
| 2.5°  | 22.9  | 20.3 | 17.2   | 14.6 | 14.0   | 13.5 |
| 5°    | 25.5  | 18.7 | 14.0   | 11.4 | 10.4   | 9.9  |
| 7.5°  | 27.6  | 17.2 | 11.4   | 8.3  | 7.3    | 6.8  |
| 10°   | 28.6  | 15.1 | 9.4    | 6.2  | 4.7    | 4.7  |
| 12.5° | 29.1  | 13.0 | 6.8    | 4.2  | 2.6    | 2.6  |
| 15°   | 28.6  | 10.9 | 5.2    | 2.1  | 0.5    | 0.5  |
| 17.5° | 26.0  | 8.8  | 3.1    | 0.5  | 0.0    | 0.0  |
| 20°   | 22.4  | 7.3  | 2.1    | 0.0  | 0.0    | 0.0  |
| 21°   | 21.3  | 6.2  | 1.6    | 0.0  | 0.0    | 0.0  |
| 22°   | 19.8  | 5.7  | 1.0    | 0.0  | 0.0    | 0.0  |
| 23°   | 18.2  | 5.2  | 1.0    | 0.0  | 0.0    | 0.0  |
| 24°   | 16.6  | 4.7  | 0.5    | 0.0  | 0.0    | 0.0  |
| 25°   | 15.6  | 4.2  | 0.5    | 0.0  | 0.0    | 0.0  |
| 26°   | 14.6  | 3.6  | 0.5    | 0.0  | 0.0    | 0.0  |
| 27°   | 13.0  | 3.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 28°   | 12.0  | 2.6  | 0.0    | 0.0  | 0.0    | 0.0  |
| 29°   | 10.4  | 2.1  | 0.0    | 0.0  | 0.0    | 0.0  |
| 30°   | 8.8   | 1.6  | 0.0    | 0.0  | 0.0    | 0.0  |
| 31°   | 7.3   | 1.6  | 0.0    | 0.0  | 0.0    | 0.0  |
| 32°   | 6.2   | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 33°   | 5.2   | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 34°   | 4.7   | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 35°   | 4.2   | 1.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 36°   | 3.1   | 0.5  | 0.0    | 0.0  | 0.0    | 0.0  |
| 37°   | 2.6   | 0.5  | 0.0    | 0.0  | 0.0    | 0.0  |
| 38°   | 2.1   | 0.5  | 0.0    | 0.0  | 0.0    | 0.0  |
| 39°   | 1.6   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 40°   | 1.6   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 42.5° | 0.5   | 0.0  | 0.0    | 0.0  | 0.0    | 0.0  |
| 45°   | 0.0   | 0.5  | 0.0    | 0.0  | 0.5    | 0.5  |
| 47.5° | 0.0   | 0.5  | 0.0    | 0.0  | 0.5    | 1.0  |
| 50°   | 0.0   | 0.5  | 0.5    | 0.5  | 1.0    | 1.6  |
| 52.5° | 0.0   | 1.0  | 0.5    | 0.5  | 1.6    | 1.6  |
| 55°   | 0.5   | 1.0  | 0.5    | 1.0  | 2.1    | 2.1  |
| 57.5° | 0.5   | 1.0  | 1.0    | 1.6  | 2.1    | 2.6  |
| 60°   | 1.0   | 1.6  | 1.6    | 1.6  | 2.6    | 2.6  |
| 62.5° | 1.0   | 1.6  | 2.1    | 2.1  | 2.6    | 3.1  |
| 65°   | 1.0   | 2.1  | 2.1    | 2.1  | 2.6    | 3.1  |
| 67.5° | 1.6   | 2.1  | 2.1    | 2.1  | 2.6    | 3.1  |
| 70°   | 1.6   | 2.1  | 2.1    | 2.1  | 2.6    | 2.6  |
| 72.5° | 1.6   | 2.1  | 1.6    | 2.1  | 2.1    | 2.6  |
| 75°   | 1.6   | 2.1  | 1.6    | 1.6  | 2.1    | 2.1  |
| 77.5° | 1.0   | 1.6  | 1.6    | 1.0  | 1.6    | 1.6  |
| 80°   | 1.0   | 1.6  | 1.0    | 1.0  | 1.6    | 1.6  |





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CATALOG NUMBER: P3A13R209050DE010 E3A301B

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 82.5° | 1.0   | 1.6 | 1.0    | 0.5  | 1.0    | 1.0  |
| 85°   | 1.0   | 1.6 | 1.0    | 0.5  | 0.5    | 0.5  |
| 87.5° | 1.0   | 1.6 | 1.0    | 0.5  | 0.0    | 0.5  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)