

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: P1312693

Luminaire Tested: P3SQAS20R159727D010 E3SQCA451MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1312693  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS20R159727D010 E3SQCA451MW  
Description: 3in Adjustable LED luminaire with, R15 optic, 2700K CCT AND, 97CRI , E3SQCA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

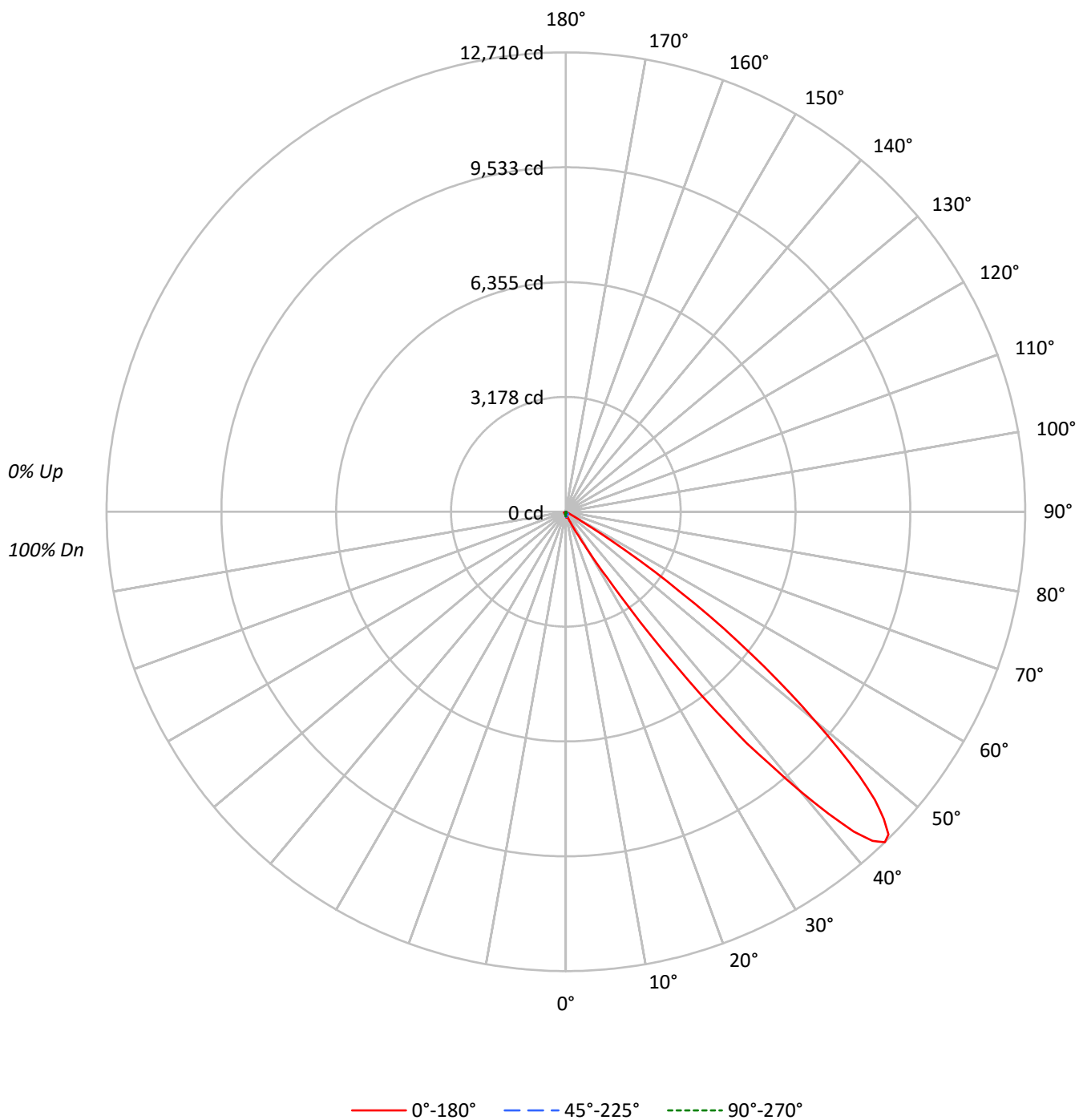
Lumens per Lamp: N/A  
Luminaire Lumens: 1419.0 lumens  
Efficiency: N/A  
Efficacy: 49.3 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 28.8  
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: P1312693

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCA451MW

### Luminous Intensity Polar Plot



TEST NUMBER: P1312693

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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  | 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  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  |    |    |
| 2   | 101 | 93  | 87  | 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  | 53  | 50  |    |    |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  |    |    |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  |    |    |
| 7   | 62  | 47  | 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  | 31  | 26  | 37  | 31  | 26  | 24  |    |    |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 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  | 23  | 19  | 17  |    |    |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 21683   | 21683 | 21683 | 21683 | 21683 |
| 5°  | 26900   | 23979 | 19570 | 17115 | 16873 |
| 10° | 26477   | 20531 | 15092 | 13361 | 13606 |
| 15° | 21948   | 14638 | 10841 | 11108 | 11857 |
| 20° | 38121   | 11675 | 8302  | 9604  | 10887 |
| 25° | 84961   | 13986 | 6727  | 8874  | 10223 |
| 30° | 254071  | 17162 | 5906  | 8730  | 10699 |
| 35° | 978081  | 19343 | 5361  | 8914  | 11311 |
| 40° | 2270239 | 16862 | 5081  | 9218  | 12095 |
| 45° | 3074916 | 12763 | 4481  | 9986  | 13104 |
| 50° | 2411003 | 7582  | 4555  | 10610 | 14415 |
| 55° | 1157236 | 3393  | 4234  | 11470 | 15734 |
| 60° | 105745  | 482   | 3892  | 12193 | 17532 |
| 65° | 11533   | 0     | 3464  | 12674 | 19031 |
| 70° | 2870    | 0     | 4280  | 13545 | 20645 |
| 75° | 2795    | 932   | 5656  | 15038 | 23556 |
| 80° | 2777    | 2777  | 7042  | 15472 | 25291 |
| 85° | 2766    | 2766  | 11263 | 14030 | 27862 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 3074916 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.8   | 0.8       |
| 10°-20°   | 22.4   | 1.6       |
| 20°-30°   | 53.6   | 3.8       |
| 30°-40°   | 293.5  | 20.7      |
| 40°-50°   | 710.7  | 50.1      |
| 50°-60°   | 283.6  | 20.0      |
| 60°-70°   | 24.5   | 1.7       |
| 70°-80°   | 13.8   | 1.0       |
| 80°-90°   | 6.1    | 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°    | 86.7   | 6.1       |
| 0°-40°    | 380.3  | 26.8      |
| 0°-60°    | 1374.6 | 96.9      |
| 0°-90°    | 1419.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1419.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45° | 90° | 135° | 180° | Flux |
|-----|-------|-----|-----|------|------|------|
| 0°  | 126   | 126 | 126 | 126  | 126  |      |
| 5°  | 156   | 139 | 113 | 99   | 98   | 15   |
| 15° | 123   | 82  | 61  | 62   | 66   | 43   |
| 25° | 447   | 74  | 35  | 47   | 54   | 270  |
| 35° | 4652  | 92  | 26  | 42   | 54   | 3287 |
| 45° | 12625 | 52  | 18  | 41   | 54   | 8906 |
| 55° | 3854  | 11  | 14  | 38   | 52   | 3590 |
| 65° | 28    | 0   | 8   | 31   | 47   | 73   |
| 75° | 4     | 1   | 8   | 23   | 35   | 4    |
| 85° | 1     | 1   | 6   | 7    | 14   | 1    |
| 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°    | 125.9   | 125.9   | 125.9   | 125.9   | 125.9  | 125.9  | 125.9  | 125.9  | 125.9  | 125.9  | 125.9 |
| 2.5°  | 141.5   | 141.5   | 142.9   | 141.5   | 141.5  | 141.5  | 141.5  | 140.1  | 140.1  | 140.1  | 135.8 |
| 5°    | 155.6   | 155.6   | 155.6   | 155.6   | 154.2  | 154.2  | 154.2  | 152.8  | 152.8  | 151.4  | 138.7 |
| 7.5°  | 161.3   | 161.3   | 159.9   | 159.9   | 158.5  | 158.5  | 157.1  | 155.6  | 154.2  | 152.8  | 133.0 |
| 10°   | 151.4   | 151.4   | 151.4   | 150.0   | 150.0  | 148.6  | 147.1  | 145.7  | 144.3  | 141.5  | 117.4 |
| 12.5° | 134.4   | 134.4   | 135.8   | 134.4   | 133.0  | 131.6  | 128.8  | 127.3  | 125.9  | 123.1  | 97.6  |
| 15°   | 123.1   | 123.1   | 123.1   | 121.7   | 120.3  | 117.4  | 116.0  | 113.2  | 111.8  | 107.5  | 82.1  |
| 17.5° | 157.1   | 157.1   | 155.6   | 152.8   | 147.1  | 142.9  | 135.8  | 130.2  | 123.1  | 114.6  | 70.7  |
| 20°   | 208.0   | 208.0   | 205.2   | 202.3   | 195.3  | 188.2  | 176.9  | 167.0  | 155.6  | 145.7  | 63.7  |
| 22.5° | 301.4   | 305.6   | 297.1   | 287.2   | 277.3  | 260.3  | 244.8  | 229.2  | 209.4  | 192.4  | 65.1  |
| 25°   | 447.1   | 451.3   | 447.1   | 424.5   | 406.1  | 383.4  | 353.7  | 322.6  | 288.6  | 257.5  | 73.6  |
| 27.5° | 724.4   | 727.2   | 720.2   | 665.0   | 635.3  | 575.9  | 523.5  | 472.6  | 416.0  | 359.4  | 80.6  |
| 30°   | 1277.6  | 1279.0  | 1233.8  | 1123.4  | 1025.8 | 895.6  | 785.3  | 679.1  | 590.0  | 499.5  | 86.3  |
| 31°   | 1682.3  | 1642.7  | 1546.5  | 1413.5  | 1257.8 | 1082.4 | 931.0  | 793.7  | 660.7  | 563.1  | 87.7  |
| 32°   | 2136.5  | 2130.8  | 1970.9  | 1740.3  | 1532.3 | 1313.0 | 1085.2 | 909.8  | 757.0  | 624.0  | 89.1  |
| 33°   | 2737.8  | 2740.6  | 2488.8  | 2217.1  | 1876.1 | 1581.8 | 1283.3 | 1042.8 | 858.8  | 696.1  | 92.0  |
| 34°   | 3677.3  | 3456.5  | 3160.8  | 2793.0  | 2328.9 | 1886.0 | 1498.4 | 1197.0 | 950.8  | 765.4  | 92.0  |
| 35°   | 4652.1  | 4430.0  | 4104.6  | 3547.1  | 2910.4 | 2290.7 | 1754.4 | 1362.5 | 1061.2 | 840.4  | 92.0  |
| 36°   | 5744.4  | 5556.2  | 5063.8  | 4352.2  | 3540.0 | 2672.7 | 2026.1 | 1553.5 | 1170.1 | 908.4  | 90.6  |
| 37°   | 6924.4  | 6648.5  | 6102.4  | 5325.6  | 4239.0 | 3210.4 | 2357.2 | 1743.1 | 1279.0 | 981.9  | 87.7  |
| 38°   | 8122.8  | 7873.8  | 7184.7  | 6243.9  | 5073.7 | 3777.7 | 2688.3 | 1925.6 | 1379.5 | 1037.1 | 83.5  |
| 39°   | 9031.2  | 8895.3  | 8211.9  | 7160.7  | 5740.2 | 4315.4 | 3029.3 | 2120.9 | 1485.6 | 1092.3 | 79.2  |
| 40°   | 10098.0 | 9878.7  | 9230.7  | 7930.4  | 6528.2 | 4862.9 | 3363.2 | 2293.5 | 1573.3 | 1136.1 | 75.0  |
| 41°   | 11071.4 | 10794.1 | 9976.3  | 8719.9  | 7159.3 | 5355.3 | 3680.1 | 2471.8 | 1644.1 | 1161.6 | 72.2  |
| 42°   | 11906.2 | 11583.6 | 10729.0 | 9396.2  | 7687.0 | 5748.6 | 3933.4 | 2599.1 | 1710.6 | 1182.8 | 67.9  |
| 43°   | 12446.7 | 12167.9 | 11327.5 | 9904.1  | 8138.4 | 6109.4 | 4169.6 | 2732.1 | 1751.6 | 1197.0 | 62.3  |
| 44°   | 12709.8 | 12428.3 | 11614.7 | 10222.5 | 8415.7 | 6325.9 | 4322.4 | 2824.1 | 1796.9 | 1215.4 | 58.0  |
| 45°   | 12624.9 | 12339.1 | 11552.5 | 10228.1 | 8502.0 | 6403.7 | 4387.5 | 2865.1 | 1820.9 | 1232.4 | 52.4  |
| 46°   | 12235.9 | 12034.9 | 11242.6 | 9962.1  | 8337.9 | 6320.3 | 4350.7 | 2834.0 | 1812.5 | 1232.4 | 46.7  |
| 47°   | 11689.7 | 11460.5 | 10706.4 | 9505.1  | 7940.3 | 6105.2 | 4202.2 | 2739.2 | 1760.1 | 1204.1 | 41.0  |
| 48°   | 10945.5 | 10750.2 | 9957.9  | 8779.3  | 7330.5 | 5636.9 | 3866.9 | 2585.0 | 1678.0 | 1148.9 | 35.4  |
| 49°   | 10011.7 | 9740.0  | 9002.9  | 7851.1  | 6535.3 | 4971.9 | 3426.8 | 2324.6 | 1546.5 | 1071.1 | 31.1  |
| 50°   | 8998.6  | 8663.3  | 8094.5  | 6921.6  | 5713.3 | 4263.0 | 2848.1 | 1965.3 | 1361.1 | 969.2  | 28.3  |
| 51°   | 8006.8  | 7665.8  | 7123.9  | 6126.4  | 4836.0 | 3537.2 | 2297.8 | 1569.1 | 1120.6 | 829.1  | 24.1  |
| 52°   | 6978.2  | 6692.4  | 6085.4  | 5301.5  | 4139.9 | 2866.5 | 1914.3 | 1327.2 | 931.0  | 696.1  | 19.8  |
| 53°   | 5953.8  | 5758.5  | 5181.3  | 4387.5  | 3326.4 | 2341.6 | 1563.4 | 1136.1 | 812.1  | 595.7  | 15.6  |
| 54°   | 4928.0  | 4714.4  | 4275.8  | 3568.3  | 2681.2 | 1847.8 | 1325.7 | 950.8  | 704.6  | 519.3  | 14.1  |
| 55°   | 3854.1  | 3743.8  | 3339.1  | 2720.8  | 2031.8 | 1474.3 | 1075.3 | 817.8  | 590.0  | 434.4  | 11.3  |
| 56°   | 2968.4  | 2843.9  | 2474.6  | 1973.8  | 1509.7 | 1154.5 | 870.1  | 667.8  | 499.5  | 363.6  | 8.5   |
| 57°   | 1944.0  | 1816.7  | 1571.9  | 1378.1  | 1099.4 | 841.9  | 665.0  | 526.3  | 406.1  | 301.4  | 7.1   |
| 58°   | 1148.9  | 1032.9  | 994.7   | 848.9   | 732.9  | 571.6  | 491.0  | 391.9  | 300.0  | 237.7  | 4.2   |
| 59°   | 527.7   | 536.2   | 476.8   | 447.1   | 406.1  | 363.6  | 298.5  | 261.8  | 205.2  | 171.2  | 2.8   |
| 60°   | 307.0   | 290.0   | 283.0   | 253.3   | 225.0  | 199.5  | 179.7  | 158.5  | 128.8  | 110.4  | 1.4   |
| 62.5° | 104.7   | 100.5   | 103.3   | 93.4    | 87.7   | 84.9   | 77.8   | 66.5   | 55.2   | 45.3   | 0.0   |
| 65°   | 28.3    | 28.3    | 26.9    | 25.5    | 24.1   | 22.6   | 21.2   | 18.4   | 17.0   | 14.1   | 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° | 9.9 | 9.9  | 8.5 | 8.5  | 7.1 | 7.1   | 5.7 | 5.7   | 4.2 | 4.2   | 0.0 |
| 70°   | 5.7 | 5.7  | 5.7 | 4.2  | 4.2 | 4.2   | 2.8 | 2.8   | 2.8 | 1.4   | 0.0 |
| 72.5° | 4.2 | 4.2  | 4.2 | 4.2  | 4.2 | 4.2   | 2.8 | 2.8   | 2.8 | 1.4   | 1.4 |
| 75°   | 4.2 | 4.2  | 4.2 | 2.8  | 2.8 | 2.8   | 2.8 | 2.8   | 2.8 | 2.8   | 1.4 |
| 77.5° | 2.8 | 2.8  | 2.8 | 2.8  | 2.8 | 2.8   | 2.8 | 2.8   | 2.8 | 2.8   | 2.8 |
| 80°   | 2.8 | 2.8  | 2.8 | 2.8  | 2.8 | 2.8   | 2.8 | 2.8   | 2.8 | 1.4   | 2.8 |
| 82.5° | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 | 1.4   | 2.8 |
| 85°   | 1.4 | 1.4  | 1.4 | 1.4  | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 | 1.4   | 1.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.4 |
| 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°    | 125.9 | 125.9 | 125.9  | 125.9 | 125.9  | 125.9 |
| 2.5°  | 130.2 | 124.5 | 117.4  | 113.2 | 111.8  | 110.4 |
| 5°    | 124.5 | 113.2 | 104.7  | 99.0  | 97.6   | 97.6  |
| 7.5°  | 111.8 | 99.0  | 90.6   | 87.7  | 86.3   | 86.3  |
| 10°   | 97.6  | 86.3  | 79.2   | 76.4  | 77.8   | 77.8  |
| 12.5° | 82.1  | 72.2  | 69.3   | 69.3  | 70.7   | 72.2  |
| 15°   | 66.5  | 60.8  | 60.8   | 62.3  | 65.1   | 66.5  |
| 17.5° | 55.2  | 52.4  | 53.8   | 56.6  | 59.4   | 62.3  |
| 20°   | 45.3  | 45.3  | 48.1   | 52.4  | 56.6   | 59.4  |
| 22.5° | 38.2  | 39.6  | 43.9   | 48.1  | 53.8   | 56.6  |
| 25°   | 32.5  | 35.4  | 39.6   | 46.7  | 52.4   | 53.8  |
| 27.5° | 28.3  | 32.5  | 38.2   | 45.3  | 50.9   | 53.8  |
| 30°   | 24.1  | 29.7  | 36.8   | 43.9  | 50.9   | 53.8  |
| 31°   | 22.6  | 28.3  | 35.4   | 43.9  | 50.9   | 53.8  |
| 32°   | 21.2  | 28.3  | 35.4   | 43.9  | 50.9   | 53.8  |
| 33°   | 19.8  | 26.9  | 35.4   | 42.4  | 50.9   | 53.8  |
| 34°   | 18.4  | 26.9  | 35.4   | 43.9  | 50.9   | 53.8  |
| 35°   | 17.0  | 25.5  | 34.0   | 42.4  | 49.5   | 53.8  |
| 36°   | 15.6  | 25.5  | 34.0   | 42.4  | 50.9   | 53.8  |
| 37°   | 14.1  | 25.5  | 34.0   | 42.4  | 49.5   | 53.8  |
| 38°   | 14.1  | 24.1  | 32.5   | 42.4  | 49.5   | 53.8  |
| 39°   | 12.7  | 22.6  | 32.5   | 42.4  | 49.5   | 53.8  |
| 40°   | 11.3  | 22.6  | 31.1   | 41.0  | 49.5   | 53.8  |
| 41°   | 9.9   | 21.2  | 31.1   | 41.0  | 49.5   | 53.8  |
| 42°   | 8.5   | 21.2  | 31.1   | 41.0  | 49.5   | 53.8  |
| 43°   | 7.1   | 19.8  | 29.7   | 41.0  | 49.5   | 53.8  |
| 44°   | 7.1   | 19.8  | 29.7   | 41.0  | 49.5   | 53.8  |
| 45°   | 5.7   | 18.4  | 28.3   | 41.0  | 49.5   | 53.8  |
| 46°   | 5.7   | 18.4  | 28.3   | 39.6  | 49.5   | 53.8  |
| 47°   | 4.2   | 18.4  | 28.3   | 39.6  | 49.5   | 53.8  |
| 48°   | 4.2   | 17.0  | 28.3   | 39.6  | 49.5   | 53.8  |
| 49°   | 2.8   | 17.0  | 28.3   | 39.6  | 49.5   | 53.8  |
| 50°   | 2.8   | 17.0  | 26.9   | 39.6  | 49.5   | 53.8  |
| 51°   | 2.8   | 17.0  | 26.9   | 39.6  | 49.5   | 53.8  |
| 52°   | 2.8   | 15.6  | 26.9   | 39.6  | 49.5   | 53.8  |
| 53°   | 2.8   | 15.6  | 26.9   | 39.6  | 49.5   | 53.8  |
| 54°   | 2.8   | 15.6  | 25.5   | 39.6  | 49.5   | 53.8  |
| 55°   | 2.8   | 14.1  | 25.5   | 38.2  | 49.5   | 52.4  |
| 56°   | 2.8   | 14.1  | 25.5   | 38.2  | 49.5   | 52.4  |
| 57°   | 2.8   | 14.1  | 24.1   | 38.2  | 49.5   | 52.4  |
| 58°   | 2.8   | 12.7  | 24.1   | 36.8  | 48.1   | 52.4  |
| 59°   | 2.8   | 12.7  | 22.6   | 36.8  | 48.1   | 50.9  |
| 60°   | 2.8   | 11.3  | 22.6   | 35.4  | 46.7   | 50.9  |
| 62.5° | 2.8   | 9.9   | 19.8   | 34.0  | 45.3   | 48.1  |
| 65°   | 2.8   | 8.5   | 18.4   | 31.1  | 43.9   | 46.7  |





TEST NUMBER: P1312693

CATALOG NUMBER: P3SQAS20R159727D010 E3SQCA451MW

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 2.8   | 8.5 | 17.0   | 29.7 | 41.0   | 45.3 |
| 70°   | 2.8   | 8.5 | 15.6   | 26.9 | 39.6   | 41.0 |
| 72.5° | 4.2   | 8.5 | 14.1   | 25.5 | 36.8   | 38.2 |
| 75°   | 5.7   | 8.5 | 12.7   | 22.6 | 34.0   | 35.4 |
| 77.5° | 5.7   | 8.5 | 11.3   | 19.8 | 29.7   | 31.1 |
| 80°   | 5.7   | 7.1 | 9.9    | 15.6 | 24.1   | 25.5 |
| 82.5° | 5.7   | 7.1 | 7.1    | 12.7 | 18.4   | 19.8 |
| 85°   | 4.2   | 5.7 | 5.7    | 7.1  | 12.7   | 14.1 |
| 87.5° | 4.2   | 5.7 | 2.8    | 4.2  | 5.7    | 5.7  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)