

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: P1310210

Luminaire Tested: P3SQAS13R209040DE010 E3SQCA451MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310210  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3SQAS13R209040DE010 E3SQCA451MMS  
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , E3SQCA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

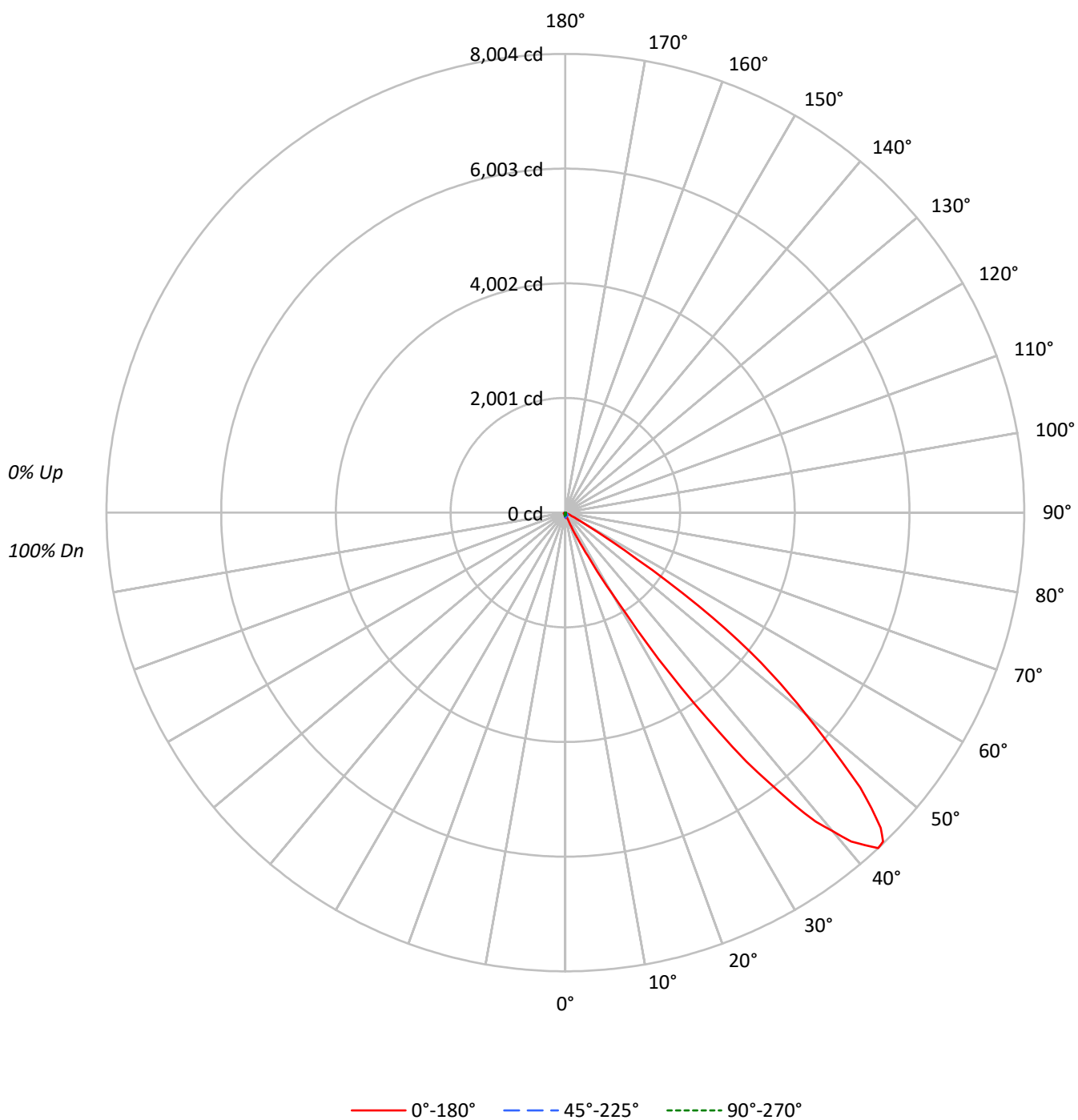
Lumens per Lamp: N/A  
Luminaire Lumens: 1112.0 lumens  
Efficiency: N/A  
Efficacy: 76.2 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.13  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

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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### 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  | 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 | 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°  | 13313   | 13313 | 13313 | 13313 | 13313 |
| 5°  | 15542   | 14453 | 12465 | 10840 | 10477 |
| 10° | 15354   | 13151 | 9863  | 8412  | 8219  |
| 15° | 13408   | 10056 | 7275  | 6704  | 7078  |
| 20° | 19922   | 8431  | 5370  | 5755  | 6323  |
| 25° | 85778   | 8741  | 4162  | 5169  | 6157  |
| 30° | 324409  | 10600 | 3540  | 4992  | 6026  |
| 35° | 983421  | 12741 | 3301  | 5046  | 6370  |
| 40° | 1630737 | 12680 | 2810  | 5396  | 6812  |
| 45° | 1895454 | 8646  | 2557  | 5602  | 7380  |
| 50° | 1471369 | 4769  | 2519  | 5868  | 8413  |
| 55° | 851600  | 3153  | 2522  | 6576  | 9098  |
| 60° | 143978  | 723   | 2170  | 6854  | 10092 |
| 65° | 11084   | 0     | 2567  | 7661  | 11492 |
| 70° | 1561    | 0     | 3172  | 8409  | 13143 |
| 75° | 1397    | 665   | 3460  | 9715  | 15305 |
| 80° | 992     | 992   | 5157  | 10414 | 17654 |
| 85° | 1976    | 1976  | 8299  | 10275 | 18575 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1895454 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 6.6    | 0.6       |
| 10°-20°   | 13.9   | 1.3       |
| 20°-30°   | 44.4   | 4.0       |
| 30°-40°   | 283.6  | 25.5      |
| 40°-50°   | 519.0  | 46.7      |
| 50°-60°   | 213.3  | 19.2      |
| 60°-70°   | 18.0   | 1.6       |
| 70°-80°   | 8.9    | 0.8       |
| 80°-90°   | 4.2    | 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°    | 65.0   | 5.8       |
| 0°-40°    | 348.5  | 31.3      |
| 0°-60°    | 1080.8 | 97.2      |
| 0°-90°    | 1112.0 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 1112.0 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 77   | 77  | 77  | 77   | 77   |      |
| 5°  | 90   | 84  | 72  | 63   | 61   | 9    |
| 15° | 75   | 56  | 41  | 38   | 40   | 24   |
| 25° | 451  | 46  | 22  | 27   | 32   | 297  |
| 35° | 4678 | 61  | 16  | 24   | 30   | 2961 |
| 45° | 7782 | 36  | 10  | 23   | 30   | 5588 |
| 55° | 2836 | 10  | 8   | 22   | 30   | 2479 |
| 65° | 27   | 0   | 6   | 19   | 28   | 88   |
| 75° | 2    | 1   | 5   | 15   | 23   | 2    |
| 85° | 1    | 1   | 4   | 5    | 9    | 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°    | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3   | 77.3 |
| 2.5°  | 84.6   | 84.6   | 84.6   | 83.6   | 83.6   | 84.6   | 83.6   | 83.6   | 83.6   | 83.6   | 82.6 |
| 5°    | 89.9   | 89.9   | 89.9   | 89.9   | 89.9   | 89.9   | 89.9   | 88.8   | 88.8   | 87.8   | 83.6 |
| 7.5°  | 92.0   | 92.0   | 92.0   | 92.0   | 90.9   | 90.9   | 90.9   | 90.9   | 89.9   | 88.8   | 81.5 |
| 10°   | 87.8   | 87.8   | 87.8   | 86.7   | 86.7   | 86.7   | 85.7   | 85.7   | 84.6   | 83.6   | 75.2 |
| 12.5° | 79.4   | 79.4   | 79.4   | 79.4   | 78.4   | 78.4   | 77.3   | 77.3   | 76.3   | 75.2   | 65.8 |
| 15°   | 75.2   | 75.2   | 75.2   | 74.2   | 74.2   | 73.2   | 72.1   | 71.1   | 70.0   | 67.9   | 56.4 |
| 17.5° | 81.5   | 81.5   | 80.5   | 80.5   | 78.4   | 76.3   | 75.2   | 72.1   | 70.0   | 66.9   | 50.2 |
| 20°   | 108.7  | 109.7  | 105.5  | 102.4  | 100.3  | 94.1   | 90.9   | 85.7   | 81.5   | 76.3   | 46.0 |
| 22.5° | 219.5  | 215.3  | 208.0  | 196.5  | 182.9  | 171.4  | 150.5  | 133.8  | 122.3  | 106.6  | 44.9 |
| 25°   | 451.4  | 447.3  | 427.4  | 410.7  | 368.9  | 336.5  | 291.6  | 255.0  | 217.4  | 180.8  | 46.0 |
| 27.5° | 858.0  | 829.7  | 824.5  | 748.2  | 689.7  | 606.1  | 519.4  | 446.2  | 379.3  | 305.1  | 49.1 |
| 30°   | 1631.3 | 1598.9 | 1485.0 | 1370.0 | 1212.2 | 1033.5 | 863.2  | 704.3  | 571.6  | 451.4  | 53.3 |
| 31°   | 2070.2 | 2101.5 | 1967.8 | 1736.8 | 1503.8 | 1274.9 | 1041.9 | 840.2  | 668.8  | 519.4  | 55.4 |
| 32°   | 2721.2 | 2584.3 | 2443.3 | 2206.0 | 1867.4 | 1574.8 | 1282.2 | 991.7  | 766.0  | 592.5  | 57.5 |
| 33°   | 3336.7 | 3256.3 | 3041.0 | 2745.3 | 2338.8 | 1928.1 | 1548.7 | 1170.4 | 885.1  | 681.4  | 58.5 |
| 34°   | 3993.0 | 3904.2 | 3729.7 | 3305.4 | 2859.2 | 2321.0 | 1815.2 | 1376.3 | 1027.3 | 768.1  | 59.6 |
| 35°   | 4677.5 | 4639.9 | 4303.4 | 3935.5 | 3386.9 | 2737.9 | 2136.0 | 1602.0 | 1166.2 | 847.5  | 60.6 |
| 36°   | 5366.2 | 5245.0 | 4981.6 | 4444.5 | 3871.8 | 3123.6 | 2472.5 | 1812.1 | 1307.3 | 941.6  | 60.6 |
| 37°   | 5884.5 | 5857.3 | 5508.3 | 4984.7 | 4311.7 | 3535.3 | 2763.0 | 2045.1 | 1449.4 | 1022.0 | 60.6 |
| 38°   | 6456.1 | 6348.5 | 5994.2 | 5461.3 | 4725.6 | 3912.6 | 3067.1 | 2247.8 | 1584.2 | 1095.2 | 59.6 |
| 39°   | 6937.9 | 6778.0 | 6420.6 | 5893.9 | 5087.2 | 4198.9 | 3308.5 | 2444.3 | 1703.4 | 1155.8 | 58.5 |
| 40°   | 7253.5 | 7142.7 | 6769.6 | 6177.1 | 5415.3 | 4469.5 | 3553.1 | 2606.3 | 1792.2 | 1201.8 | 56.4 |
| 41°   | 7601.5 | 7417.5 | 7048.7 | 6453.0 | 5653.6 | 4707.8 | 3706.7 | 2712.9 | 1861.2 | 1232.1 | 54.3 |
| 42°   | 7809.4 | 7658.9 | 7221.1 | 6638.0 | 5823.9 | 4843.7 | 3832.1 | 2794.4 | 1903.0 | 1247.8 | 50.2 |
| 43°   | 8003.8 | 7799.0 | 7372.6 | 6745.6 | 5936.8 | 4939.8 | 3889.6 | 2832.0 | 1912.4 | 1247.8 | 44.9 |
| 44°   | 7977.7 | 7783.3 | 7341.3 | 6760.2 | 5961.8 | 4968.0 | 3913.6 | 2833.0 | 1897.8 | 1232.1 | 39.7 |
| 45°   | 7782.3 | 7588.9 | 7190.8 | 6632.7 | 5872.0 | 4912.6 | 3865.5 | 2791.2 | 1857.0 | 1204.9 | 35.5 |
| 46°   | 7423.8 | 7231.5 | 6926.4 | 6419.6 | 5704.8 | 4787.2 | 3753.7 | 2700.3 | 1789.1 | 1161.0 | 31.4 |
| 47°   | 7034.0 | 6847.0 | 6534.5 | 6075.7 | 5419.5 | 4563.6 | 3591.7 | 2572.8 | 1694.0 | 1097.3 | 28.2 |
| 48°   | 6468.7 | 6351.6 | 6038.1 | 5646.2 | 5023.4 | 4213.5 | 3307.5 | 2364.9 | 1566.5 | 1014.7 | 24.0 |
| 49°   | 5969.1 | 5845.8 | 5571.0 | 5149.9 | 4507.2 | 3806.0 | 2967.9 | 2112.0 | 1400.3 | 922.8  | 20.9 |
| 50°   | 5491.6 | 5383.9 | 5130.0 | 4654.5 | 4041.1 | 3313.8 | 2509.1 | 1793.3 | 1191.3 | 808.8  | 17.8 |
| 51°   | 5024.5 | 4944.0 | 4684.8 | 4248.0 | 3625.2 | 2935.5 | 2173.6 | 1493.3 | 984.4  | 670.9  | 16.7 |
| 52°   | 4555.2 | 4545.8 | 4264.7 | 3822.7 | 3220.7 | 2558.2 | 1847.6 | 1260.3 | 835.0  | 563.3  | 15.7 |
| 53°   | 4050.5 | 3989.9 | 3744.3 | 3347.2 | 2769.3 | 2165.3 | 1566.5 | 1062.8 | 719.0  | 479.7  | 13.6 |
| 54°   | 3475.7 | 3407.8 | 3144.5 | 2786.0 | 2262.5 | 1773.4 | 1262.4 | 859.0  | 598.8  | 405.5  | 12.5 |
| 55°   | 2836.2 | 2720.2 | 2528.9 | 2161.1 | 1767.1 | 1353.3 | 975.0  | 680.3  | 478.6  | 337.5  | 10.5 |
| 56°   | 2151.7 | 2035.7 | 1928.1 | 1657.4 | 1296.9 | 1009.5 | 726.3  | 521.5  | 374.1  | 266.5  | 9.4  |
| 57°   | 1496.5 | 1490.2 | 1313.6 | 1105.6 | 867.4  | 687.6  | 497.4  | 367.8  | 264.4  | 206.9  | 7.3  |
| 58°   | 970.8  | 938.4  | 825.6  | 705.4  | 567.4  | 429.5  | 319.8  | 249.8  | 179.7  | 141.1  | 6.3  |
| 59°   | 680.3  | 615.5  | 554.9  | 470.3  | 357.4  | 270.7  | 205.9  | 159.9  | 124.4  | 98.2   | 4.2  |
| 60°   | 418.0  | 404.4  | 363.7  | 286.3  | 232.0  | 191.2  | 153.6  | 118.1  | 90.9   | 70.0   | 2.1  |
| 62.5° | 119.1  | 121.2  | 109.7  | 97.2   | 83.6   | 72.1   | 64.8   | 55.4   | 46.0   | 36.6   | 0.0  |
| 65°   | 27.2   | 26.1   | 28.2   | 26.1   | 24.0   | 24.0   | 20.9   | 18.8   | 16.7   | 15.7   | 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° | 8.4 | 8.4  | 7.3 | 7.3  | 7.3 | 6.3   | 6.3 | 5.2   | 5.2 | 4.2   | 0.0 |
| 70°   | 3.1 | 3.1  | 3.1 | 3.1  | 3.1 | 2.1   | 2.1 | 2.1   | 1.0 | 1.0   | 0.0 |
| 72.5° | 3.1 | 3.1  | 3.1 | 2.1  | 2.1 | 2.1   | 2.1 | 2.1   | 1.0 | 1.0   | 1.0 |
| 75°   | 2.1 | 2.1  | 2.1 | 2.1  | 2.1 | 2.1   | 2.1 | 1.0   | 1.0 | 1.0   | 1.0 |
| 77.5° | 2.1 | 2.1  | 2.1 | 2.1  | 2.1 | 1.0   | 2.1 | 1.0   | 1.0 | 1.0   | 1.0 |
| 80°   | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 |
| 82.5° | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 |
| 85°   | 1.0 | 1.0  | 1.0 | 1.0  | 0.0 | 0.0   | 1.0 | 1.0   | 1.0 | 0.0   | 1.0 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 1.0 |
| 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°    | 77.3  | 77.3 | 77.3   | 77.3 | 77.3   | 77.3 |
| 2.5°  | 80.5  | 76.3 | 73.2   | 70.0 | 69.0   | 69.0 |
| 5°    | 78.4  | 72.1 | 65.8   | 62.7 | 60.6   | 60.6 |
| 7.5°  | 72.1  | 64.8 | 58.5   | 55.4 | 54.3   | 54.3 |
| 10°   | 64.8  | 56.4 | 50.2   | 48.1 | 48.1   | 47.0 |
| 12.5° | 56.4  | 48.1 | 43.9   | 42.8 | 42.8   | 42.8 |
| 15°   | 47.0  | 40.8 | 37.6   | 37.6 | 38.7   | 39.7 |
| 17.5° | 39.7  | 33.4 | 32.4   | 34.5 | 36.6   | 36.6 |
| 20°   | 33.4  | 29.3 | 29.3   | 31.4 | 33.4   | 34.5 |
| 22.5° | 28.2  | 25.1 | 26.1   | 29.3 | 32.4   | 33.4 |
| 25°   | 25.1  | 21.9 | 24.0   | 27.2 | 30.3   | 32.4 |
| 27.5° | 20.9  | 19.9 | 21.9   | 26.1 | 30.3   | 31.4 |
| 30°   | 17.8  | 17.8 | 20.9   | 25.1 | 29.3   | 30.3 |
| 31°   | 16.7  | 16.7 | 20.9   | 25.1 | 29.3   | 30.3 |
| 32°   | 15.7  | 16.7 | 19.9   | 25.1 | 29.3   | 30.3 |
| 33°   | 14.6  | 15.7 | 19.9   | 24.0 | 29.3   | 30.3 |
| 34°   | 13.6  | 15.7 | 19.9   | 24.0 | 29.3   | 30.3 |
| 35°   | 12.5  | 15.7 | 19.9   | 24.0 | 29.3   | 30.3 |
| 36°   | 11.5  | 14.6 | 18.8   | 24.0 | 29.3   | 30.3 |
| 37°   | 10.5  | 14.6 | 18.8   | 24.0 | 29.3   | 30.3 |
| 38°   | 9.4   | 13.6 | 18.8   | 24.0 | 29.3   | 30.3 |
| 39°   | 9.4   | 13.6 | 17.8   | 24.0 | 28.2   | 30.3 |
| 40°   | 8.4   | 12.5 | 17.8   | 24.0 | 28.2   | 30.3 |
| 41°   | 7.3   | 12.5 | 17.8   | 23.0 | 28.2   | 30.3 |
| 42°   | 6.3   | 11.5 | 16.7   | 23.0 | 28.2   | 30.3 |
| 43°   | 5.2   | 11.5 | 16.7   | 23.0 | 28.2   | 30.3 |
| 44°   | 5.2   | 10.5 | 16.7   | 23.0 | 28.2   | 30.3 |
| 45°   | 4.2   | 10.5 | 16.7   | 23.0 | 28.2   | 30.3 |
| 46°   | 3.1   | 10.5 | 16.7   | 23.0 | 28.2   | 30.3 |
| 47°   | 3.1   | 9.4  | 15.7   | 23.0 | 28.2   | 30.3 |
| 48°   | 2.1   | 9.4  | 15.7   | 23.0 | 28.2   | 30.3 |
| 49°   | 2.1   | 9.4  | 15.7   | 23.0 | 28.2   | 31.4 |
| 50°   | 2.1   | 9.4  | 15.7   | 21.9 | 28.2   | 31.4 |
| 51°   | 1.0   | 9.4  | 15.7   | 21.9 | 28.2   | 31.4 |
| 52°   | 1.0   | 9.4  | 14.6   | 21.9 | 29.3   | 31.4 |
| 53°   | 1.0   | 8.4  | 14.6   | 21.9 | 29.3   | 31.4 |
| 54°   | 1.0   | 8.4  | 14.6   | 21.9 | 29.3   | 30.3 |
| 55°   | 1.0   | 8.4  | 14.6   | 21.9 | 28.2   | 30.3 |
| 56°   | 1.0   | 7.3  | 14.6   | 21.9 | 28.2   | 30.3 |
| 57°   | 1.0   | 7.3  | 13.6   | 20.9 | 28.2   | 29.3 |
| 58°   | 1.0   | 7.3  | 13.6   | 20.9 | 28.2   | 29.3 |
| 59°   | 1.0   | 7.3  | 13.6   | 20.9 | 27.2   | 29.3 |
| 60°   | 2.1   | 6.3  | 12.5   | 19.9 | 27.2   | 29.3 |
| 62.5° | 2.1   | 6.3  | 12.5   | 19.9 | 26.1   | 28.2 |
| 65°   | 2.1   | 6.3  | 11.5   | 18.8 | 26.1   | 28.2 |



TEST NUMBER: P1310210

CATALOG NUMBER: P3SQAS13R209040DE010 E3SQCA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 2.1   | 5.2 | 10.5   | 17.8 | 25.1   | 27.2 |
| 70°   | 2.1   | 6.3 | 10.5   | 16.7 | 24.0   | 26.1 |
| 72.5° | 3.1   | 5.2 | 9.4    | 15.7 | 23.0   | 25.1 |
| 75°   | 3.1   | 5.2 | 9.4    | 14.6 | 21.9   | 23.0 |
| 77.5° | 4.2   | 5.2 | 8.4    | 12.5 | 19.9   | 20.9 |
| 80°   | 4.2   | 5.2 | 7.3    | 10.5 | 16.7   | 17.8 |
| 82.5° | 4.2   | 5.2 | 5.2    | 8.4  | 12.5   | 13.6 |
| 85°   | 3.1   | 4.2 | 4.2    | 5.2  | 8.4    | 9.4  |
| 87.5° | 3.1   | 4.2 | 3.1    | 2.1  | 4.2    | 4.2  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)