

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: P1305543

Luminaire Tested: P3SQASS05R159024DE010 E3SQCA451MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1305543  
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: P3SQASS05R159024DE010 E3SQCA451MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , E3SQCA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

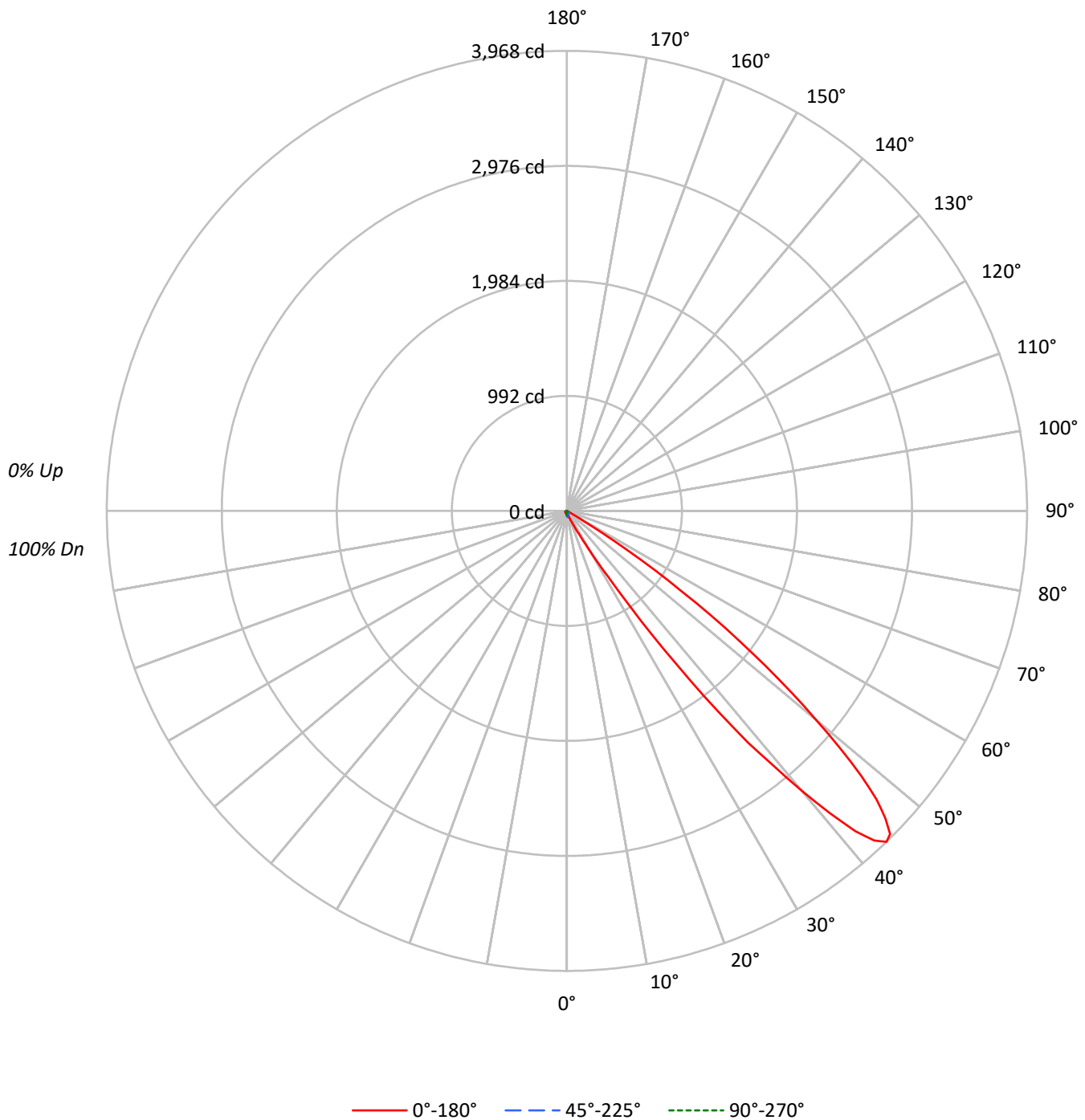
Lumens per Lamp: N/A  
Luminaire Lumens: 443.0 lumens  
Efficiency: N/A  
Efficacy: 61.5 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.09  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 7.2  
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: P1305543

CATALOG NUMBER: P3SQASS05R159024DE010 E3SQCA451MMS

### 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 | 102 | 102 | 100 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 89  | 89  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 75  | 75  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 63  | 63  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 53  | 53  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 44  | 44  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 37  | 37  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 31  | 31  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 26  | 26  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 22  | 22  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 19  | 19  | 17  |

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

|     | 0°     | 45°  | 90°  | 135° | 180° |
|-----|--------|------|------|------|------|
| 0°  | 6768   | 6768 | 6768 | 6768 | 6768 |
| 5°  | 8402   | 7486 | 6103 | 5342 | 5273 |
| 10° | 8272   | 6418 | 4704 | 4180 | 4250 |
| 15° | 6847   | 4564 | 3388 | 3459 | 3709 |
| 20° | 11895  | 3647 | 2584 | 2987 | 3409 |
| 25° | 26528  | 4371 | 2090 | 2774 | 3192 |
| 30° | 79327  | 5349 | 1849 | 2724 | 3341 |
| 35° | 305360 | 6034 | 1682 | 2796 | 3532 |
| 40° | 708747 | 5261 | 1596 | 2878 | 3777 |
| 45° | 959966 | 3970 | 1388 | 3118 | 4092 |
| 50° | 752698 | 2358 | 1420 | 3322 | 4501 |
| 55° | 361274 | 1051 | 1321 | 3573 | 4894 |
| 60° | 33032  | 138  | 1206 | 3789 | 5477 |
| 65° | 3586   | 0    | 1100 | 3953 | 5950 |
| 70° | 906    | 0    | 1360 | 4230 | 6445 |
| 75° | 865    | 266  | 1797 | 4724 | 7320 |
| 80° | 893    | 893  | 2182 | 4860 | 7934 |
| 85° | 790    | 790  | 3557 | 4347 | 8695 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 959966 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.4    | 0.8       |
| 10°-20°   | 7.0    | 1.6       |
| 20°-30°   | 16.7   | 3.8       |
| 30°-40°   | 91.6   | 20.7      |
| 40°-50°   | 221.9  | 50.1      |
| 50°-60°   | 88.5   | 20.0      |
| 60°-70°   | 7.7    | 1.7       |
| 70°-80°   | 4.3    | 1.0       |
| 80°-90°   | 1.9    | 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°    | 27.1   | 6.1       |
| 0°-40°    | 118.7  | 26.8      |
| 0°-60°    | 429.1  | 96.9      |
| 0°-90°    | 443.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 443.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 39   | 39  | 39  | 39   | 39   |      |
| 5°  | 49   | 43  | 35  | 31   | 30   | 5    |
| 15° | 38   | 26  | 19  | 19   | 21   | 13   |
| 25° | 140  | 23  | 11  | 15   | 17   | 84   |
| 35° | 1452 | 29  | 8   | 13   | 17   | 1026 |
| 45° | 3941 | 16  | 6   | 13   | 17   | 2780 |
| 55° | 1203 | 4   | 4   | 12   | 16   | 1121 |
| 65° | 9    | 0   | 3   | 10   | 15   | 23   |
| 75° | 1    | 0   | 3   | 7    | 11   | 1    |
| 85° | 0    | 0   | 2   | 2    | 4    | 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°    | 39.3   | 39.3   | 39.3   | 39.3   | 39.3   | 39.3   | 39.3   | 39.3  | 39.3  | 39.3  | 39.3 |
| 2.5°  | 44.2   | 44.2   | 44.6   | 44.2   | 44.2   | 44.2   | 44.2   | 43.7  | 43.7  | 43.7  | 42.4 |
| 5°    | 48.6   | 48.6   | 48.6   | 48.6   | 48.1   | 48.1   | 48.1   | 47.7  | 47.7  | 47.3  | 43.3 |
| 7.5°  | 50.4   | 50.4   | 49.9   | 49.9   | 49.5   | 49.5   | 49.0   | 48.6  | 48.1  | 47.7  | 41.5 |
| 10°   | 47.3   | 47.3   | 47.3   | 46.8   | 46.8   | 46.4   | 45.9   | 45.5  | 45.1  | 44.2  | 36.7 |
| 12.5° | 42.0   | 42.0   | 42.4   | 42.0   | 41.5   | 41.1   | 40.2   | 39.8  | 39.3  | 38.4  | 30.5 |
| 15°   | 38.4   | 38.4   | 38.4   | 38.0   | 37.5   | 36.7   | 36.2   | 35.3  | 34.9  | 33.6  | 25.6 |
| 17.5° | 49.0   | 49.0   | 48.6   | 47.7   | 45.9   | 44.6   | 42.4   | 40.6  | 38.4  | 35.8  | 22.1 |
| 20°   | 64.9   | 64.9   | 64.0   | 63.2   | 61.0   | 58.7   | 55.2   | 52.1  | 48.6  | 45.5  | 19.9 |
| 22.5° | 94.1   | 95.4   | 92.8   | 89.7   | 86.6   | 81.3   | 76.4   | 71.6  | 65.4  | 60.1  | 20.3 |
| 25°   | 139.6  | 140.9  | 139.6  | 132.5  | 126.8  | 119.7  | 110.4  | 100.7 | 90.1  | 80.4  | 23.0 |
| 27.5° | 226.2  | 227.0  | 224.8  | 207.6  | 198.3  | 179.8  | 163.4  | 147.5 | 129.9 | 112.2 | 25.2 |
| 30°   | 398.9  | 399.3  | 385.2  | 350.7  | 320.2  | 279.6  | 245.2  | 212.0 | 184.2 | 155.9 | 26.9 |
| 31°   | 525.2  | 512.8  | 482.8  | 441.3  | 392.7  | 337.9  | 290.6  | 247.8 | 206.3 | 175.8 | 27.4 |
| 32°   | 667.0  | 665.2  | 615.3  | 543.3  | 478.4  | 409.9  | 338.8  | 284.0 | 236.3 | 194.8 | 27.8 |
| 33°   | 854.7  | 855.6  | 777.0  | 692.2  | 585.7  | 493.8  | 400.6  | 325.5 | 268.1 | 217.3 | 28.7 |
| 34°   | 1148.0 | 1079.1 | 986.8  | 871.9  | 727.1  | 588.8  | 467.8  | 373.7 | 296.8 | 239.0 | 28.7 |
| 35°   | 1452.4 | 1383.0 | 1281.4 | 1107.4 | 908.6  | 715.1  | 547.7  | 425.4 | 331.3 | 262.4 | 28.7 |
| 36°   | 1793.4 | 1734.6 | 1580.9 | 1358.7 | 1105.2 | 834.4  | 632.5  | 485.0 | 365.3 | 283.6 | 28.3 |
| 37°   | 2161.7 | 2075.6 | 1905.1 | 1662.6 | 1323.4 | 1002.2 | 735.9  | 544.2 | 399.3 | 306.5 | 27.4 |
| 38°   | 2535.9 | 2458.1 | 2243.0 | 1949.3 | 1584.0 | 1179.4 | 839.3  | 601.2 | 430.7 | 323.8 | 26.1 |
| 39°   | 2819.5 | 2777.0 | 2563.7 | 2235.5 | 1792.0 | 1347.2 | 945.7  | 662.1 | 463.8 | 341.0 | 24.7 |
| 40°   | 3152.5 | 3084.0 | 2881.7 | 2475.8 | 2038.1 | 1518.2 | 1050.0 | 716.0 | 491.2 | 354.7 | 23.4 |
| 41°   | 3456.4 | 3369.8 | 3114.5 | 2722.3 | 2235.1 | 1671.9 | 1148.9 | 771.7 | 513.3 | 362.6 | 22.5 |
| 42°   | 3717.0 | 3616.3 | 3349.5 | 2933.4 | 2399.8 | 1794.7 | 1228.0 | 811.4 | 534.0 | 369.3 | 21.2 |
| 43°   | 3885.7 | 3798.7 | 3536.4 | 3092.0 | 2540.7 | 1907.3 | 1301.7 | 852.9 | 546.8 | 373.7 | 19.4 |
| 44°   | 3967.9 | 3880.0 | 3626.0 | 3191.4 | 2627.3 | 1974.9 | 1349.4 | 881.7 | 561.0 | 379.4 | 18.1 |
| 45°   | 3941.4 | 3852.2 | 3606.6 | 3193.1 | 2654.3 | 1999.2 | 1369.8 | 894.5 | 568.5 | 384.7 | 16.3 |
| 46°   | 3819.9 | 3757.2 | 3509.8 | 3110.1 | 2603.0 | 1973.1 | 1358.3 | 884.8 | 565.8 | 384.7 | 14.6 |
| 47°   | 3649.4 | 3577.9 | 3342.4 | 2967.4 | 2478.9 | 1906.0 | 1311.9 | 855.2 | 549.5 | 375.9 | 12.8 |
| 48°   | 3417.1 | 3356.1 | 3108.8 | 2740.8 | 2288.5 | 1759.8 | 1207.2 | 807.0 | 523.9 | 358.7 | 11.0 |
| 49°   | 3125.6 | 3040.8 | 2810.6 | 2451.1 | 2040.3 | 1552.2 | 1069.8 | 725.7 | 482.8 | 334.4 | 9.7  |
| 50°   | 2809.3 | 2704.6 | 2527.0 | 2160.9 | 1783.6 | 1330.9 | 889.2  | 613.5 | 424.9 | 302.6 | 8.8  |
| 51°   | 2499.7 | 2393.2 | 2224.0 | 1912.6 | 1509.8 | 1104.3 | 717.3  | 489.9 | 349.8 | 258.8 | 7.5  |
| 52°   | 2178.5 | 2089.3 | 1899.8 | 1655.1 | 1292.5 | 894.9  | 597.6  | 414.3 | 290.6 | 217.3 | 6.2  |
| 53°   | 1858.7 | 1797.8 | 1617.6 | 1369.8 | 1038.5 | 731.0  | 488.1  | 354.7 | 253.5 | 186.0 | 4.9  |
| 54°   | 1538.5 | 1471.8 | 1334.9 | 1114.0 | 837.0  | 576.9  | 413.9  | 296.8 | 220.0 | 162.1 | 4.4  |
| 55°   | 1203.2 | 1168.8 | 1042.4 | 849.4  | 634.3  | 460.3  | 335.7  | 255.3 | 184.2 | 135.6 | 3.5  |
| 56°   | 926.7  | 887.8  | 772.6  | 616.2  | 471.3  | 360.4  | 271.7  | 208.5 | 155.9 | 113.5 | 2.7  |
| 57°   | 606.9  | 567.2  | 490.7  | 430.2  | 343.2  | 262.8  | 207.6  | 164.3 | 126.8 | 94.1  | 2.2  |
| 58°   | 358.7  | 322.5  | 310.5  | 265.0  | 228.8  | 178.5  | 153.3  | 122.4 | 93.6  | 74.2  | 1.3  |
| 59°   | 164.8  | 167.4  | 148.9  | 139.6  | 126.8  | 113.5  | 93.2   | 81.7  | 64.0  | 53.4  | 0.9  |
| 60°   | 95.9   | 90.6   | 88.3   | 79.1   | 70.2   | 62.3   | 56.1   | 49.5  | 40.2  | 34.5  | 0.4  |
| 62.5° | 32.7   | 31.4   | 32.2   | 29.2   | 27.4   | 26.5   | 24.3   | 20.8  | 17.2  | 14.1  | 0.0  |
| 65°   | 8.8    | 8.8    | 8.4    | 8.0    | 7.5    | 7.1    | 6.6    | 5.7   | 5.3   | 4.4   | 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° | 3.1 | 3.1  | 2.7 | 2.7  | 2.2 | 2.2   | 1.8 | 1.8   | 1.3 | 1.3   | 0.0 |
| 70°   | 1.8 | 1.8  | 1.8 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.4   | 0.0 |
| 72.5° | 1.3 | 1.3  | 1.3 | 1.3  | 1.3 | 1.3   | 0.9 | 0.9   | 0.9 | 0.4   | 0.4 |
| 75°   | 1.3 | 1.3  | 1.3 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.4 |
| 77.5° | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 |
| 80°   | 0.9 | 0.9  | 0.9 | 0.9  | 0.9 | 0.9   | 0.9 | 0.9   | 0.9 | 0.4   | 0.9 |
| 82.5° | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.9 |
| 85°   | 0.4 | 0.4  | 0.4 | 0.4  | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 | 0.4   | 0.4 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 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 |

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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 39.3  | 39.3 | 39.3   | 39.3 | 39.3   | 39.3 |
| 2.5°  | 40.6  | 38.9 | 36.7   | 35.3 | 34.9   | 34.5 |
| 5°    | 38.9  | 35.3 | 32.7   | 30.9 | 30.5   | 30.5 |
| 7.5°  | 34.9  | 30.9 | 28.3   | 27.4 | 26.9   | 26.9 |
| 10°   | 30.5  | 26.9 | 24.7   | 23.9 | 24.3   | 24.3 |
| 12.5° | 25.6  | 22.5 | 21.6   | 21.6 | 22.1   | 22.5 |
| 15°   | 20.8  | 19.0 | 19.0   | 19.4 | 20.3   | 20.8 |
| 17.5° | 17.2  | 16.3 | 16.8   | 17.7 | 18.6   | 19.4 |
| 20°   | 14.1  | 14.1 | 15.0   | 16.3 | 17.7   | 18.6 |
| 22.5° | 11.9  | 12.4 | 13.7   | 15.0 | 16.8   | 17.7 |
| 25°   | 10.2  | 11.0 | 12.4   | 14.6 | 16.3   | 16.8 |
| 27.5° | 8.8   | 10.2 | 11.9   | 14.1 | 15.9   | 16.8 |
| 30°   | 7.5   | 9.3  | 11.5   | 13.7 | 15.9   | 16.8 |
| 31°   | 7.1   | 8.8  | 11.0   | 13.7 | 15.9   | 16.8 |
| 32°   | 6.6   | 8.8  | 11.0   | 13.7 | 15.9   | 16.8 |
| 33°   | 6.2   | 8.4  | 11.0   | 13.3 | 15.9   | 16.8 |
| 34°   | 5.7   | 8.4  | 11.0   | 13.7 | 15.9   | 16.8 |
| 35°   | 5.3   | 8.0  | 10.6   | 13.3 | 15.5   | 16.8 |
| 36°   | 4.9   | 8.0  | 10.6   | 13.3 | 15.9   | 16.8 |
| 37°   | 4.4   | 8.0  | 10.6   | 13.3 | 15.5   | 16.8 |
| 38°   | 4.4   | 7.5  | 10.2   | 13.3 | 15.5   | 16.8 |
| 39°   | 4.0   | 7.1  | 10.2   | 13.3 | 15.5   | 16.8 |
| 40°   | 3.5   | 7.1  | 9.7    | 12.8 | 15.5   | 16.8 |
| 41°   | 3.1   | 6.6  | 9.7    | 12.8 | 15.5   | 16.8 |
| 42°   | 2.7   | 6.6  | 9.7    | 12.8 | 15.5   | 16.8 |
| 43°   | 2.2   | 6.2  | 9.3    | 12.8 | 15.5   | 16.8 |
| 44°   | 2.2   | 6.2  | 9.3    | 12.8 | 15.5   | 16.8 |
| 45°   | 1.8   | 5.7  | 8.8    | 12.8 | 15.5   | 16.8 |
| 46°   | 1.8   | 5.7  | 8.8    | 12.4 | 15.5   | 16.8 |
| 47°   | 1.3   | 5.7  | 8.8    | 12.4 | 15.5   | 16.8 |
| 48°   | 1.3   | 5.3  | 8.8    | 12.4 | 15.5   | 16.8 |
| 49°   | 0.9   | 5.3  | 8.8    | 12.4 | 15.5   | 16.8 |
| 50°   | 0.9   | 5.3  | 8.4    | 12.4 | 15.5   | 16.8 |
| 51°   | 0.9   | 5.3  | 8.4    | 12.4 | 15.5   | 16.8 |
| 52°   | 0.9   | 4.9  | 8.4    | 12.4 | 15.5   | 16.8 |
| 53°   | 0.9   | 4.9  | 8.4    | 12.4 | 15.5   | 16.8 |
| 54°   | 0.9   | 4.9  | 8.0    | 12.4 | 15.5   | 16.8 |
| 55°   | 0.9   | 4.4  | 8.0    | 11.9 | 15.5   | 16.3 |
| 56°   | 0.9   | 4.4  | 8.0    | 11.9 | 15.5   | 16.3 |
| 57°   | 0.9   | 4.4  | 7.5    | 11.9 | 15.5   | 16.3 |
| 58°   | 0.9   | 4.0  | 7.5    | 11.5 | 15.0   | 16.3 |
| 59°   | 0.9   | 4.0  | 7.1    | 11.5 | 15.0   | 15.9 |
| 60°   | 0.9   | 3.5  | 7.1    | 11.0 | 14.6   | 15.9 |
| 62.5° | 0.9   | 3.1  | 6.2    | 10.6 | 14.1   | 15.0 |
| 65°   | 0.9   | 2.7  | 5.7    | 9.7  | 13.7   | 14.6 |





TEST NUMBER: P1305543

CATALOG NUMBER: P3SQASS05R159024DE010 E3SQCA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 0.9   | 2.7 | 5.3    | 9.3  | 12.8   | 14.1 |
| 70°   | 0.9   | 2.7 | 4.9    | 8.4  | 12.4   | 12.8 |
| 72.5° | 1.3   | 2.7 | 4.4    | 8.0  | 11.5   | 11.9 |
| 75°   | 1.8   | 2.7 | 4.0    | 7.1  | 10.6   | 11.0 |
| 77.5° | 1.8   | 2.7 | 3.5    | 6.2  | 9.3    | 9.7  |
| 80°   | 1.8   | 2.2 | 3.1    | 4.9  | 7.5    | 8.0  |
| 82.5° | 1.8   | 2.2 | 2.2    | 4.0  | 5.7    | 6.2  |
| 85°   | 1.3   | 1.8 | 1.8    | 2.2  | 4.0    | 4.4  |
| 87.5° | 1.3   | 1.8 | 0.9    | 1.3  | 1.8    | 1.8  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)