

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: P1336339

Luminaire Tested: P3A05R159030DE010 E3CA451MMS

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336339  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-73)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A05R159030DE010 E3CA451MMS  
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3CA451MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

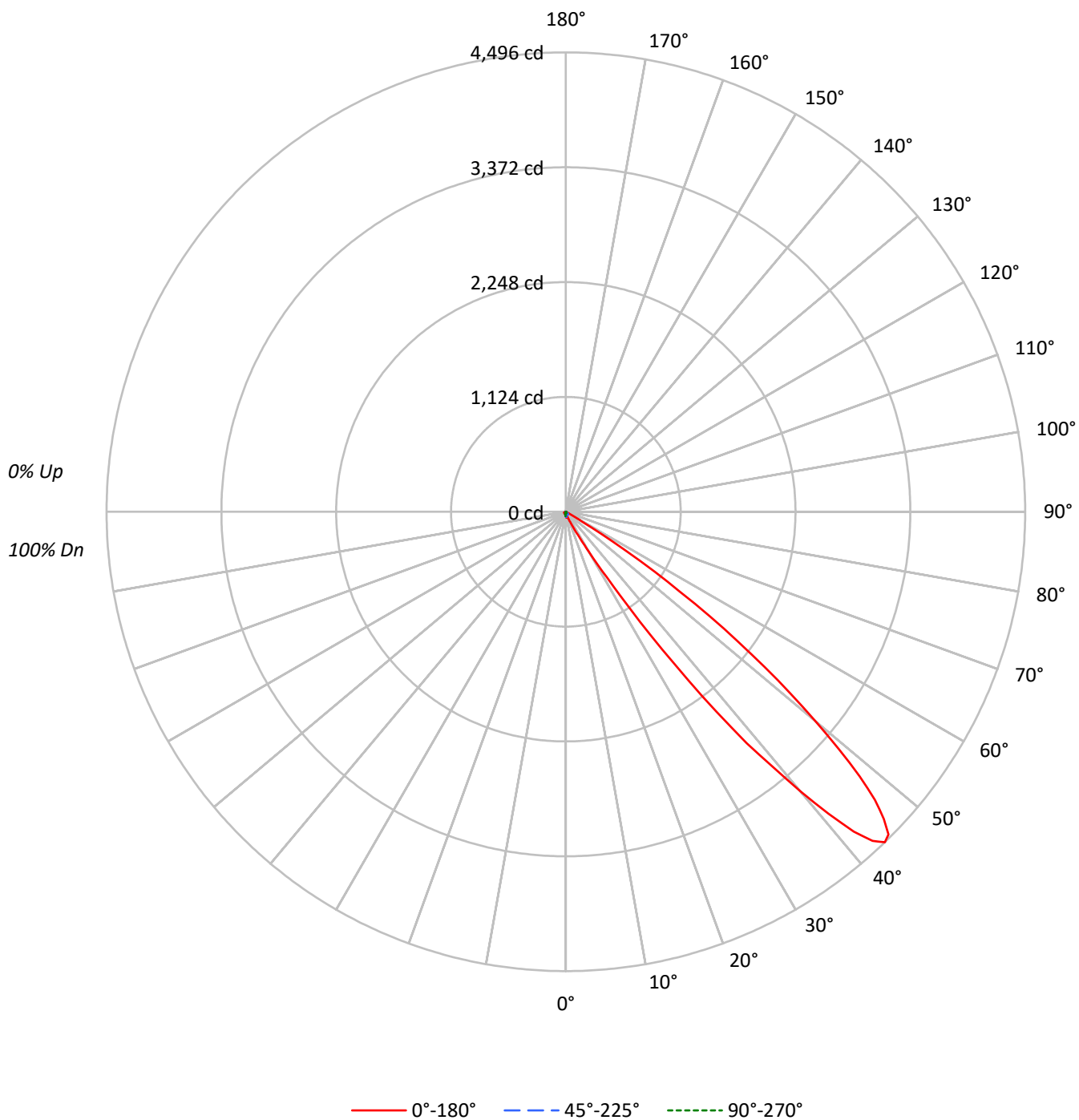
Lumens per Lamp: N/A  
Luminaire Lumens: 501.9 lumens  
Efficiency: N/A  
Efficacy: 69.7 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336339

CATALOG NUMBER: P3A05R159030DE010 E3CA451MMS

### Luminous Intensity Polar Plot



TEST NUMBER: P1336339

CATALOG NUMBER: P3A05R159030DE010 E3CA451MMS

**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°  | 9758    | 9758  | 9758 | 9758 | 9758  |
| 5°  | 12129   | 10808 | 8805 | 7704 | 7594  |
| 10° | 11935   | 9241  | 6791 | 6012 | 6123  |
| 15° | 9875    | 6583  | 4881 | 4994 | 5335  |
| 20° | 17175   | 5250  | 3734 | 4317 | 4900  |
| 25° | 38276   | 6291  | 3024 | 3992 | 4597  |
| 30° | 114448  | 7723  | 2659 | 3925 | 4811  |
| 35° | 440568  | 8700  | 2409 | 4015 | 5086  |
| 40° | 1022602 | 7586  | 2290 | 4151 | 5439  |
| 45° | 1385043 | 5737  | 2016 | 4497 | 5892  |
| 50° | 1085986 | 3411  | 2047 | 4776 | 6482  |
| 55° | 521272  | 1529  | 1912 | 5161 | 7073  |
| 60° | 47628   | 219   | 1754 | 5482 | 7894  |
| 65° | 5189    | 0     | 1557 | 5707 | 8561  |
| 70° | 1282    | 0     | 1923 | 6091 | 9296  |
| 75° | 1271    | 424   | 2542 | 6778 | 10590 |
| 80° | 1263    | 1263  | 3157 | 6945 | 11365 |
| 85° | 1258    | 1258  | 5032 | 6290 | 12580 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1385043 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.8    | 0.8       |
| 10°-20°   | 7.9    | 1.6       |
| 20°-30°   | 19.0   | 3.8       |
| 30°-40°   | 103.8  | 20.7      |
| 40°-50°   | 251.4  | 50.1      |
| 50°-60°   | 100.3  | 20.0      |
| 60°-70°   | 8.7    | 1.7       |
| 70°-80°   | 4.9    | 1.0       |
| 80°-90°   | 2.2    | 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°    | 30.7   | 6.1       |
| 0°-40°    | 134.5  | 26.8      |
| 0°-60°    | 486.2  | 96.9      |
| 0°-90°    | 501.9  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 501.9  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 44   | 44  | 44  | 44   | 44   |      |
| 5°  | 55   | 49  | 40  | 35   | 34   | 5    |
| 15° | 44   | 29  | 22  | 22   | 24   | 15   |
| 25° | 158  | 26  | 12  | 16   | 19   | 95   |
| 35° | 1646 | 32  | 9   | 15   | 19   | 1163 |
| 45° | 4466 | 18  | 6   | 14   | 19   | 3151 |
| 55° | 1364 | 4   | 5   | 14   | 18   | 1270 |
| 65° | 10   | 0   | 3   | 11   | 16   | 26   |
| 75° | 2    | 0   | 3   | 8    | 12   | 1    |
| 85° | 0    | 0   | 2   | 2    | 5    | 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°    | 44.5   | 44.5   | 44.5   | 44.5   | 44.5   | 44.5   | 44.5   | 44.5   | 44.5  | 44.5  | 44.5 |
| 2.5°  | 50.1   | 50.1   | 50.6   | 50.1   | 50.1   | 50.1   | 50.1   | 49.6   | 49.6  | 49.6  | 48.1 |
| 5°    | 55.1   | 55.1   | 55.1   | 55.1   | 54.6   | 54.6   | 54.6   | 54.1   | 54.1  | 53.6  | 49.1 |
| 7.5°  | 57.1   | 57.1   | 56.6   | 56.6   | 56.1   | 56.1   | 55.6   | 55.1   | 54.6  | 54.1  | 47.1 |
| 10°   | 53.6   | 53.6   | 53.6   | 53.1   | 53.1   | 52.6   | 52.1   | 51.6   | 51.1  | 50.1  | 41.5 |
| 12.5° | 47.6   | 47.6   | 48.1   | 47.6   | 47.1   | 46.6   | 45.5   | 45.0   | 44.5  | 43.5  | 34.5 |
| 15°   | 43.5   | 43.5   | 43.5   | 43.0   | 42.5   | 41.5   | 41.0   | 40.0   | 39.5  | 38.0  | 29.0 |
| 17.5° | 55.6   | 55.6   | 55.1   | 54.1   | 52.1   | 50.6   | 48.1   | 46.0   | 43.5  | 40.5  | 25.0 |
| 20°   | 73.6   | 73.6   | 72.6   | 71.6   | 69.1   | 66.6   | 62.6   | 59.1   | 55.1  | 51.6  | 22.5 |
| 22.5° | 106.6  | 108.1  | 105.1  | 101.6  | 98.1   | 92.1   | 86.6   | 81.1   | 74.1  | 68.1  | 23.0 |
| 25°   | 158.2  | 159.7  | 158.2  | 150.2  | 143.7  | 135.6  | 125.1  | 114.1  | 102.1 | 91.1  | 26.0 |
| 27.5° | 256.3  | 257.3  | 254.8  | 235.3  | 224.7  | 203.7  | 185.2  | 167.2  | 147.2 | 127.1 | 28.5 |
| 30°   | 452.0  | 452.5  | 436.5  | 397.4  | 362.9  | 316.8  | 277.8  | 240.3  | 208.7 | 176.7 | 30.5 |
| 31°   | 595.1  | 581.1  | 547.1  | 500.0  | 445.0  | 382.9  | 329.4  | 280.8  | 233.8 | 199.2 | 31.0 |
| 32°   | 755.8  | 753.8  | 697.3  | 615.7  | 542.1  | 464.5  | 383.9  | 321.8  | 267.8 | 220.7 | 31.5 |
| 33°   | 968.5  | 969.5  | 880.5  | 784.3  | 663.7  | 559.6  | 454.0  | 368.9  | 303.8 | 246.3 | 32.5 |
| 34°   | 1300.9 | 1222.8 | 1118.2 | 988.1  | 823.9  | 667.2  | 530.1  | 423.5  | 336.4 | 270.8 | 32.5 |
| 35°   | 1645.8 | 1567.2 | 1452.1 | 1254.9 | 1029.6 | 810.4  | 620.7  | 482.0  | 375.4 | 297.3 | 32.5 |
| 36°   | 2032.2 | 1965.6 | 1791.4 | 1539.7 | 1252.4 | 945.5  | 716.8  | 549.6  | 413.9 | 321.3 | 32.0 |
| 37°   | 2449.6 | 2352.0 | 2158.8 | 1884.0 | 1499.6 | 1135.7 | 833.9  | 616.7  | 452.5 | 347.4 | 31.0 |
| 38°   | 2873.6 | 2785.5 | 2541.7 | 2208.9 | 1794.9 | 1336.4 | 951.0  | 681.2  | 488.0 | 366.9 | 29.5 |
| 39°   | 3195.0 | 3146.9 | 2905.1 | 2533.2 | 2030.7 | 1526.7 | 1071.7 | 750.3  | 525.6 | 386.4 | 28.0 |
| 40°   | 3572.4 | 3494.8 | 3265.5 | 2805.5 | 2309.5 | 1720.4 | 1189.8 | 811.4  | 556.6 | 401.9 | 26.5 |
| 41°   | 3916.7 | 3818.6 | 3529.3 | 3084.8 | 2532.7 | 1894.5 | 1301.9 | 874.4  | 581.6 | 410.9 | 25.5 |
| 42°   | 4212.1 | 4097.9 | 3795.6 | 3324.1 | 2719.4 | 2033.7 | 1391.5 | 919.5  | 605.2 | 418.5 | 24.0 |
| 43°   | 4403.3 | 4304.7 | 4007.3 | 3503.8 | 2879.1 | 2161.3 | 1475.1 | 966.5  | 619.7 | 423.5 | 22.0 |
| 44°   | 4496.4 | 4396.8 | 4108.9 | 3616.4 | 2977.2 | 2237.9 | 1529.2 | 999.1  | 635.7 | 430.0 | 20.5 |
| 45°   | 4466.3 | 4365.2 | 4086.9 | 3618.4 | 3007.8 | 2265.4 | 1552.2 | 1013.6 | 644.2 | 436.0 | 18.5 |
| 46°   | 4328.7 | 4257.6 | 3977.3 | 3524.3 | 2949.7 | 2235.9 | 1539.2 | 1002.6 | 641.2 | 436.0 | 16.5 |
| 47°   | 4135.5 | 4054.4 | 3787.6 | 3362.6 | 2809.0 | 2159.8 | 1486.6 | 969.0  | 622.7 | 426.0 | 14.5 |
| 48°   | 3872.2 | 3803.1 | 3522.8 | 3105.9 | 2593.3 | 1994.2 | 1368.0 | 914.5  | 593.6 | 406.4 | 12.5 |
| 49°   | 3541.8 | 3445.7 | 3184.9 | 2777.5 | 2312.0 | 1758.9 | 1212.3 | 822.4  | 547.1 | 378.9 | 11.0 |
| 50°   | 3183.4 | 3064.8 | 2863.6 | 2448.6 | 2021.2 | 1508.1 | 1007.6 | 695.3  | 481.5 | 342.9 | 10.0 |
| 51°   | 2832.6 | 2711.9 | 2520.2 | 2167.3 | 1710.8 | 1251.4 | 812.9  | 555.1  | 396.4 | 293.3 | 8.5  |
| 52°   | 2468.7 | 2367.6 | 2152.8 | 1875.5 | 1464.6 | 1014.1 | 677.2  | 469.5  | 329.4 | 246.3 | 7.0  |
| 53°   | 2106.3 | 2037.2 | 1833.0 | 1552.2 | 1176.8 | 828.4  | 553.1  | 401.9  | 287.3 | 210.7 | 5.5  |
| 54°   | 1743.4 | 1667.8 | 1512.6 | 1262.4 | 948.5  | 653.7  | 469.0  | 336.4  | 249.3 | 183.7 | 5.0  |
| 55°   | 1363.5 | 1324.4 | 1181.3 | 962.5  | 718.8  | 521.6  | 380.4  | 289.3  | 208.7 | 153.7 | 4.0  |
| 56°   | 1050.1 | 1006.1 | 875.4  | 698.3  | 534.1  | 408.4  | 307.8  | 236.3  | 176.7 | 128.6 | 3.0  |
| 57°   | 687.7  | 642.7  | 556.1  | 487.5  | 388.9  | 297.8  | 235.3  | 186.2  | 143.7 | 106.6 | 2.5  |
| 58°   | 406.4  | 365.4  | 351.9  | 300.3  | 259.3  | 202.2  | 173.7  | 138.6  | 106.1 | 84.1  | 1.5  |
| 59°   | 186.7  | 189.7  | 168.7  | 158.2  | 143.7  | 128.6  | 105.6  | 92.6   | 72.6  | 60.6  | 1.0  |
| 60°   | 108.6  | 102.6  | 100.1  | 89.6   | 79.6   | 70.6   | 63.6   | 56.1   | 45.5  | 39.0  | 0.5  |
| 62.5° | 37.0   | 35.5   | 36.5   | 33.0   | 31.0   | 30.0   | 27.5   | 23.5   | 19.5  | 16.0  | 0.0  |
| 65°   | 10.0   | 10.0   | 9.5    | 9.0    | 8.5    | 8.0    | 7.5    | 6.5    | 6.0   | 5.0   | 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° | 3.5 | 3.5  | 3.0 | 3.0  | 2.5 | 2.5   | 2.0 | 2.0   | 1.5 | 1.5   | 0.0 |
| 70°   | 2.0 | 2.0  | 2.0 | 1.5  | 1.5 | 1.5   | 1.0 | 1.0   | 1.0 | 0.5   | 0.0 |
| 72.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.0 | 1.0   | 1.0 | 0.5   | 0.5 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.0  | 1.0 | 1.0   | 1.0 | 1.0   | 1.0 | 1.0   | 0.5 |
| 77.5° | 1.0 | 1.0  | 1.0 | 1.0  | 1.0 | 1.0   | 1.0 | 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 | 0.5   | 1.0 |
| 82.5° | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 1.0 |
| 85°   | 0.5 | 0.5  | 0.5 | 0.5  | 0.5 | 0.5   | 0.5 | 0.5   | 0.5 | 0.5   | 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 |

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**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 44.5  | 44.5 | 44.5   | 44.5 | 44.5   | 44.5 |
| 2.5°  | 46.0  | 44.0 | 41.5   | 40.0 | 39.5   | 39.0 |
| 5°    | 44.0  | 40.0 | 37.0   | 35.0 | 34.5   | 34.5 |
| 7.5°  | 39.5  | 35.0 | 32.0   | 31.0 | 30.5   | 30.5 |
| 10°   | 34.5  | 30.5 | 28.0   | 27.0 | 27.5   | 27.5 |
| 12.5° | 29.0  | 25.5 | 24.5   | 24.5 | 25.0   | 25.5 |
| 15°   | 23.5  | 21.5 | 21.5   | 22.0 | 23.0   | 23.5 |
| 17.5° | 19.5  | 18.5 | 19.0   | 20.0 | 21.0   | 22.0 |
| 20°   | 16.0  | 16.0 | 17.0   | 18.5 | 20.0   | 21.0 |
| 22.5° | 13.5  | 14.0 | 15.5   | 17.0 | 19.0   | 20.0 |
| 25°   | 11.5  | 12.5 | 14.0   | 16.5 | 18.5   | 19.0 |
| 27.5° | 10.0  | 11.5 | 13.5   | 16.0 | 18.0   | 19.0 |
| 30°   | 8.5   | 10.5 | 13.0   | 15.5 | 18.0   | 19.0 |
| 31°   | 8.0   | 10.0 | 12.5   | 15.5 | 18.0   | 19.0 |
| 32°   | 7.5   | 10.0 | 12.5   | 15.5 | 18.0   | 19.0 |
| 33°   | 7.0   | 9.5  | 12.5   | 15.0 | 18.0   | 19.0 |
| 34°   | 6.5   | 9.5  | 12.5   | 15.5 | 18.0   | 19.0 |
| 35°   | 6.0   | 9.0  | 12.0   | 15.0 | 17.5   | 19.0 |
| 36°   | 5.5   | 9.0  | 12.0   | 15.0 | 18.0   | 19.0 |
| 37°   | 5.0   | 9.0  | 12.0   | 15.0 | 17.5   | 19.0 |
| 38°   | 5.0   | 8.5  | 11.5   | 15.0 | 17.5   | 19.0 |
| 39°   | 4.5   | 8.0  | 11.5   | 15.0 | 17.5   | 19.0 |
| 40°   | 4.0   | 8.0  | 11.0   | 14.5 | 17.5   | 19.0 |
| 41°   | 3.5   | 7.5  | 11.0   | 14.5 | 17.5   | 19.0 |
| 42°   | 3.0   | 7.5  | 11.0   | 14.5 | 17.5   | 19.0 |
| 43°   | 2.5   | 7.0  | 10.5   | 14.5 | 17.5   | 19.0 |
| 44°   | 2.5   | 7.0  | 10.5   | 14.5 | 17.5   | 19.0 |
| 45°   | 2.0   | 6.5  | 10.0   | 14.5 | 17.5   | 19.0 |
| 46°   | 2.0   | 6.5  | 10.0   | 14.0 | 17.5   | 19.0 |
| 47°   | 1.5   | 6.5  | 10.0   | 14.0 | 17.5   | 19.0 |
| 48°   | 1.5   | 6.0  | 10.0   | 14.0 | 17.5   | 19.0 |
| 49°   | 1.0   | 6.0  | 10.0   | 14.0 | 17.5   | 19.0 |
| 50°   | 1.0   | 6.0  | 9.5    | 14.0 | 17.5   | 19.0 |
| 51°   | 1.0   | 6.0  | 9.5    | 14.0 | 17.5   | 19.0 |
| 52°   | 1.0   | 5.5  | 9.5    | 14.0 | 17.5   | 19.0 |
| 53°   | 1.0   | 5.5  | 9.5    | 14.0 | 17.5   | 19.0 |
| 54°   | 1.0   | 5.5  | 9.0    | 14.0 | 17.5   | 19.0 |
| 55°   | 1.0   | 5.0  | 9.0    | 13.5 | 17.5   | 18.5 |
| 56°   | 1.0   | 5.0  | 9.0    | 13.5 | 17.5   | 18.5 |
| 57°   | 1.0   | 5.0  | 8.5    | 13.5 | 17.5   | 18.5 |
| 58°   | 1.0   | 4.5  | 8.5    | 13.0 | 17.0   | 18.5 |
| 59°   | 1.0   | 4.5  | 8.0    | 13.0 | 17.0   | 18.0 |
| 60°   | 1.0   | 4.0  | 8.0    | 12.5 | 16.5   | 18.0 |
| 62.5° | 1.0   | 3.5  | 7.0    | 12.0 | 16.0   | 17.0 |
| 65°   | 1.0   | 3.0  | 6.5    | 11.0 | 15.5   | 16.5 |



TEST NUMBER: P1336339

CATALOG NUMBER: P3A05R159030DE010 E3CA451MMS

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0   | 3.0 | 6.0    | 10.5 | 14.5   | 16.0 |
| 70°   | 1.0   | 3.0 | 5.5    | 9.5  | 14.0   | 14.5 |
| 72.5° | 1.5   | 3.0 | 5.0    | 9.0  | 13.0   | 13.5 |
| 75°   | 2.0   | 3.0 | 4.5    | 8.0  | 12.0   | 12.5 |
| 77.5° | 2.0   | 3.0 | 4.0    | 7.0  | 10.5   | 11.0 |
| 80°   | 2.0   | 2.5 | 3.5    | 5.5  | 8.5    | 9.0  |
| 82.5° | 2.0   | 2.5 | 2.5    | 4.5  | 6.5    | 7.0  |
| 85°   | 1.5   | 2.0 | 2.0    | 2.5  | 4.5    | 5.0  |
| 87.5° | 1.5   | 2.0 | 1.0    | 1.5  | 2.0    | 2.0  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)