

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: P1336444

Luminaire Tested: P3A05R159740DE010 E3CA451MB

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1336444  
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: P3A05R159740DE010 E3CA451MB  
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , E3CA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

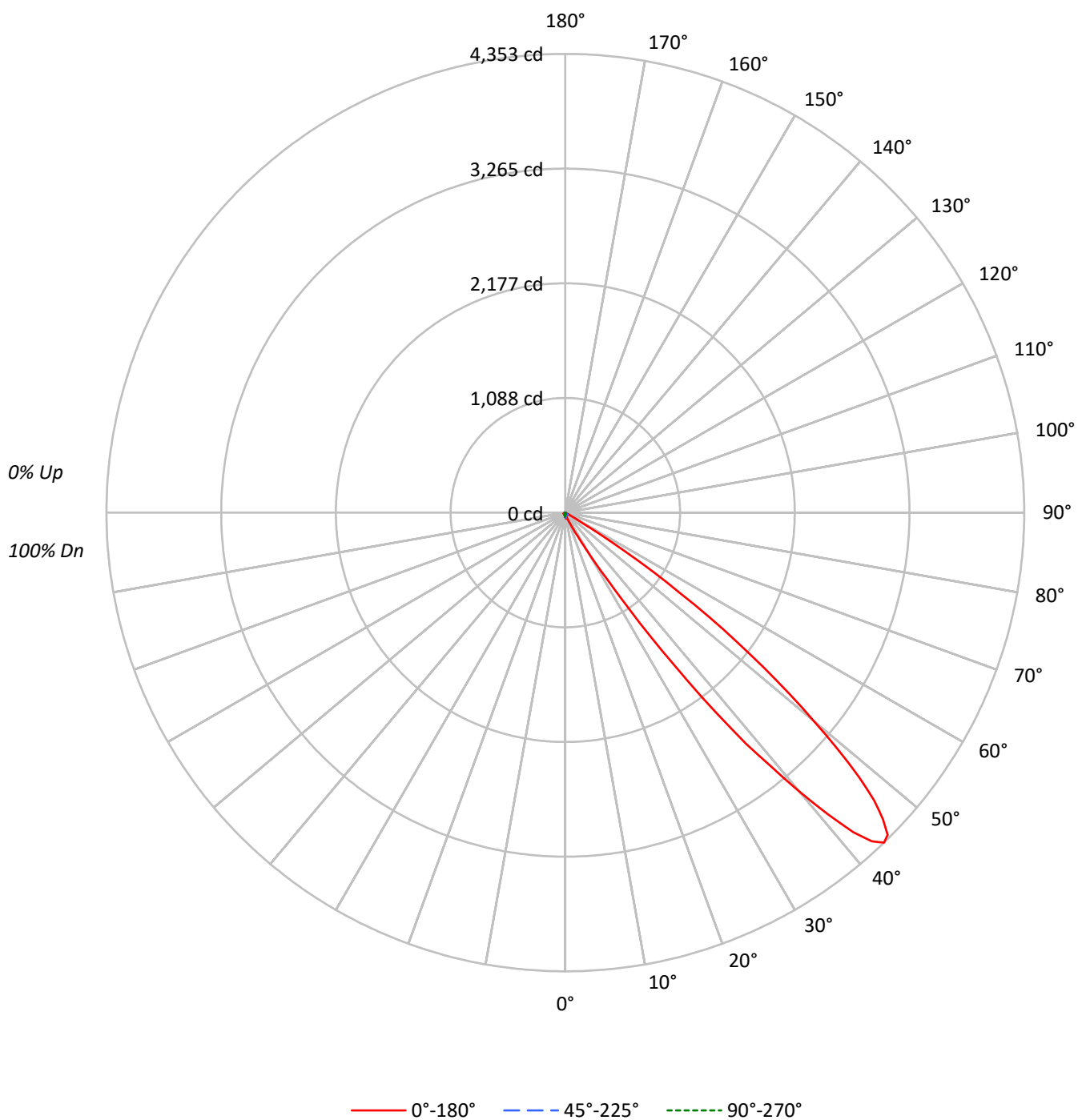
Lumens per Lamp: N/A  
Luminaire Lumens: 486.0 lumens  
Efficiency: N/A  
Efficacy: 67.5 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1336444

CATALOG NUMBER: P3A05R159740DE010 E3CA451MB

### Luminous Intensity Polar Plot



TEST NUMBER: P1336444

CATALOG NUMBER: P3A05R159740DE010 E3CA451MB

**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 | 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°  | 9451    | 9451  | 9451 | 9451 | 9451  |
| 5°  | 11732   | 10456 | 8541 | 7462 | 7352  |
| 10° | 11556   | 8951  | 6591 | 5834 | 5945  |
| 15° | 9580    | 6379  | 4722 | 4835 | 5176  |
| 20° | 16615   | 5087  | 3617 | 4177 | 4760  |
| 25° | 37042   | 6097  | 2928 | 3871 | 4452  |
| 30° | 110802  | 7495  | 2583 | 3798 | 4659  |
| 35° | 426514  | 8432  | 2329 | 3882 | 4926  |
| 40° | 989998  | 7357  | 2233 | 4036 | 5267  |
| 45° | 1340914 | 5551  | 1954 | 4373 | 5706  |
| 50° | 1051394 | 3309  | 1979 | 4640 | 6277  |
| 55° | 504642  | 1491  | 1835 | 5008 | 6843  |
| 60° | 46137   | 219   | 1710 | 5307 | 7631  |
| 65° | 5033    | 0     | 1505 | 5552 | 8302  |
| 70° | 1218    | 0     | 1859 | 5898 | 9040  |
| 75° | 1271    | 424   | 2457 | 6608 | 10252 |
| 80° | 1263    | 1263  | 3031 | 6693 | 10986 |
| 85° | 1258    | 1258  | 4780 | 6038 | 12077 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1340914 cd/sqm

TEST NUMBER: P1336444

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.7    | 0.8       |
| 10°-20°   | 7.7    | 1.6       |
| 20°-30°   | 18.4   | 3.8       |
| 30°-40°   | 100.5  | 20.7      |
| 40°-50°   | 243.4  | 50.1      |
| 50°-60°   | 97.1   | 20.0      |
| 60°-70°   | 8.4    | 1.7       |
| 70°-80°   | 4.7    | 1.0       |
| 80°-90°   | 2.1    | 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°    | 29.7   | 6.1       |
| 0°-40°    | 130.2  | 26.8      |
| 0°-60°    | 470.8  | 96.9      |
| 0°-90°    | 486.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 486.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 43   | 43  | 43  | 43   | 43   |      |
| 5°  | 53   | 48  | 39  | 34   | 33   | 5    |
| 15° | 42   | 28  | 21  | 21   | 23   | 15   |
| 25° | 153  | 25  | 12  | 16   | 18   | 92   |
| 35° | 1593 | 32  | 9   | 14   | 18   | 1126 |
| 45° | 4324 | 18  | 6   | 14   | 18   | 3050 |
| 55° | 1320 | 4   | 5   | 13   | 18   | 1230 |
| 65° | 10   | 0   | 3   | 11   | 16   | 25   |
| 75° | 2    | 0   | 3   | 8    | 12   | 1    |
| 85° | 0    | 0   | 2   | 2    | 5    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1336444

CATALOG NUMBER: P3A05R159740DE010 E3CA451MB

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5° | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|------|
| 0°    | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1   | 43.1  | 43.1  | 43.1  | 43.1 |
| 2.5°  | 48.5   | 48.5   | 48.9   | 48.5   | 48.5   | 48.5   | 48.5   | 48.0  | 48.0  | 48.0  | 46.5 |
| 5°    | 53.3   | 53.3   | 53.3   | 53.3   | 52.8   | 52.8   | 52.8   | 52.3  | 52.3  | 51.9  | 47.5 |
| 7.5°  | 55.2   | 55.2   | 54.8   | 54.8   | 54.3   | 54.3   | 53.8   | 53.3  | 52.8  | 52.3  | 45.6 |
| 10°   | 51.9   | 51.9   | 51.9   | 51.4   | 51.4   | 50.9   | 50.4   | 49.9  | 49.4  | 48.5  | 40.2 |
| 12.5° | 46.0   | 46.0   | 46.5   | 46.0   | 45.6   | 45.1   | 44.1   | 43.6  | 43.1  | 42.2  | 33.4 |
| 15°   | 42.2   | 42.2   | 42.2   | 41.7   | 41.2   | 40.2   | 39.7   | 38.8  | 38.3  | 36.8  | 28.1 |
| 17.5° | 53.8   | 53.8   | 53.3   | 52.3   | 50.4   | 48.9   | 46.5   | 44.6  | 42.2  | 39.3  | 24.2 |
| 20°   | 71.2   | 71.2   | 70.3   | 69.3   | 66.9   | 64.5   | 60.6   | 57.2  | 53.3  | 49.9  | 21.8 |
| 22.5° | 103.2  | 104.7  | 101.8  | 98.4   | 95.0   | 89.2   | 83.8   | 78.5  | 71.7  | 65.9  | 22.3 |
| 25°   | 153.1  | 154.6  | 153.1  | 145.4  | 139.1  | 131.3  | 121.1  | 110.5 | 98.9  | 88.2  | 25.2 |
| 27.5° | 248.1  | 249.1  | 246.7  | 227.8  | 217.6  | 197.2  | 179.3  | 161.9 | 142.5 | 123.1 | 27.6 |
| 30°   | 437.6  | 438.1  | 422.6  | 384.8  | 351.3  | 306.7  | 268.9  | 232.6 | 202.1 | 171.1 | 29.6 |
| 31°   | 576.2  | 562.6  | 529.7  | 484.1  | 430.8  | 370.7  | 318.9  | 271.9 | 226.3 | 192.9 | 30.0 |
| 32°   | 731.7  | 729.8  | 675.0  | 596.0  | 524.8  | 449.7  | 371.7  | 311.6 | 259.3 | 213.7 | 30.5 |
| 33°   | 937.7  | 938.6  | 852.4  | 759.3  | 642.6  | 541.8  | 439.5  | 357.1 | 294.1 | 238.4 | 31.5 |
| 34°   | 1259.4 | 1183.8 | 1082.6 | 956.6  | 797.6  | 646.0  | 513.2  | 410.0 | 325.6 | 262.2 | 31.5 |
| 35°   | 1593.3 | 1517.2 | 1405.8 | 1214.9 | 996.8  | 784.5  | 600.9  | 466.7 | 363.4 | 287.8 | 31.5 |
| 36°   | 1967.4 | 1903.0 | 1734.3 | 1490.6 | 1212.4 | 915.4  | 693.9  | 532.1 | 400.8 | 311.1 | 31.0 |
| 37°   | 2371.6 | 2277.1 | 2090.0 | 1824.0 | 1451.8 | 1099.5 | 807.3  | 597.0 | 438.1 | 336.3 | 30.0 |
| 38°   | 2782.0 | 2696.7 | 2460.7 | 2138.5 | 1737.7 | 1293.8 | 920.7  | 659.5 | 472.5 | 355.2 | 28.6 |
| 39°   | 3093.1 | 3046.6 | 2812.5 | 2452.5 | 1966.0 | 1478.0 | 1037.5 | 726.4 | 508.8 | 374.1 | 27.1 |
| 40°   | 3458.5 | 3383.4 | 3161.5 | 2716.1 | 2235.9 | 1665.5 | 1151.9 | 785.5 | 538.9 | 389.1 | 25.7 |
| 41°   | 3791.9 | 3696.9 | 3416.8 | 2986.5 | 2452.0 | 1834.2 | 1260.4 | 846.6 | 563.1 | 397.8 | 24.7 |
| 42°   | 4077.8 | 3967.3 | 3674.6 | 3218.1 | 2632.8 | 1968.9 | 1347.2 | 890.2 | 585.9 | 405.1 | 23.3 |
| 43°   | 4262.9 | 4167.5 | 3879.6 | 3392.1 | 2787.3 | 2092.4 | 1428.1 | 935.7 | 599.9 | 410.0 | 21.3 |
| 44°   | 4353.1 | 4256.6 | 3978.0 | 3501.1 | 2882.3 | 2166.6 | 1480.4 | 967.2 | 615.4 | 416.3 | 19.9 |
| 45°   | 4324.0 | 4226.1 | 3956.7 | 3503.1 | 2911.9 | 2193.2 | 1502.7 | 981.3 | 623.7 | 422.1 | 17.9 |
| 46°   | 4190.7 | 4121.9 | 3850.5 | 3412.0 | 2855.7 | 2164.7 | 1490.1 | 970.6 | 620.8 | 422.1 | 16.0 |
| 47°   | 4003.7 | 3925.2 | 3666.9 | 3255.5 | 2719.5 | 2091.0 | 1439.2 | 938.2 | 602.8 | 412.4 | 14.1 |
| 48°   | 3748.8 | 3681.9 | 3410.5 | 3006.9 | 2510.6 | 1930.6 | 1324.4 | 885.3 | 574.7 | 393.5 | 12.1 |
| 49°   | 3428.9 | 3335.9 | 3083.4 | 2689.0 | 2238.3 | 1702.8 | 1173.7 | 796.2 | 529.7 | 366.8 | 10.7 |
| 50°   | 3082.0 | 2967.1 | 2772.3 | 2370.6 | 1956.8 | 1460.1 | 975.5  | 673.1 | 466.2 | 331.9 | 9.7  |
| 51°   | 2742.3 | 2625.5 | 2439.9 | 2098.3 | 1656.3 | 1211.5 | 787.0  | 537.4 | 383.8 | 284.0 | 8.2  |
| 52°   | 2390.0 | 2292.1 | 2084.2 | 1815.8 | 1417.9 | 981.8  | 655.6  | 454.5 | 318.9 | 238.4 | 6.8  |
| 53°   | 2039.1 | 1972.3 | 1774.6 | 1502.7 | 1139.3 | 802.0  | 535.5  | 389.1 | 278.2 | 204.0 | 5.3  |
| 54°   | 1687.8 | 1614.6 | 1464.4 | 1222.1 | 918.3  | 632.9  | 454.1  | 325.6 | 241.3 | 177.8 | 4.8  |
| 55°   | 1320.0 | 1282.2 | 1143.6 | 931.9  | 695.9  | 504.9  | 368.3  | 280.1 | 202.1 | 148.8 | 3.9  |
| 56°   | 1016.7 | 974.0  | 847.5  | 676.0  | 517.1  | 395.4  | 298.0  | 228.7 | 171.1 | 124.5 | 2.9  |
| 57°   | 665.8  | 622.2  | 538.4  | 472.0  | 376.5  | 288.3  | 227.8  | 180.3 | 139.1 | 103.2 | 2.4  |
| 58°   | 393.5  | 353.7  | 340.7  | 290.8  | 251.0  | 195.8  | 168.2  | 134.2 | 102.7 | 81.4  | 1.5  |
| 59°   | 180.8  | 183.7  | 163.3  | 153.1  | 139.1  | 124.5  | 102.2  | 89.6  | 70.3  | 58.6  | 1.0  |
| 60°   | 105.2  | 99.3   | 96.9   | 86.7   | 77.0   | 68.3   | 61.5   | 54.3  | 44.1  | 37.8  | 0.5  |
| 62.5° | 35.9   | 34.4   | 35.4   | 32.0   | 30.0   | 29.1   | 26.7   | 22.8  | 18.9  | 15.5  | 0.0  |
| 65°   | 9.7    | 9.7    | 9.2    | 8.7    | 8.2    | 7.8    | 7.3    | 6.3   | 5.8   | 4.8   | 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° | 3.4 | 3.4  | 2.9 | 2.9  | 2.4 | 2.4   | 1.9 | 1.9   | 1.5 | 1.5   | 0.0 |
| 70°   | 1.9 | 1.9  | 1.9 | 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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CATALOG NUMBER: P3A05R159740DE010 E3CA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 43.1  | 43.1 | 43.1   | 43.1 | 43.1   | 43.1 |
| 2.5°  | 44.6  | 42.6 | 40.2   | 38.8 | 38.3   | 37.8 |
| 5°    | 42.6  | 38.8 | 35.9   | 33.9 | 33.4   | 33.4 |
| 7.5°  | 38.3  | 33.9 | 31.0   | 30.0 | 29.6   | 29.6 |
| 10°   | 33.4  | 29.6 | 27.1   | 26.2 | 26.7   | 26.7 |
| 12.5° | 28.1  | 24.7 | 23.7   | 23.7 | 24.2   | 24.7 |
| 15°   | 22.8  | 20.8 | 20.8   | 21.3 | 22.3   | 22.8 |
| 17.5° | 18.9  | 17.9 | 18.4   | 19.4 | 20.4   | 21.3 |
| 20°   | 15.5  | 15.5 | 16.5   | 17.9 | 19.4   | 20.4 |
| 22.5° | 13.1  | 13.6 | 15.0   | 16.5 | 18.4   | 19.4 |
| 25°   | 11.1  | 12.1 | 13.6   | 16.0 | 17.9   | 18.4 |
| 27.5° | 9.7   | 11.1 | 13.1   | 15.5 | 17.4   | 18.4 |
| 30°   | 8.2   | 10.2 | 12.6   | 15.0 | 17.4   | 18.4 |
| 31°   | 7.8   | 9.7  | 12.1   | 15.0 | 17.4   | 18.4 |
| 32°   | 7.3   | 9.7  | 12.1   | 15.0 | 17.4   | 18.4 |
| 33°   | 6.8   | 9.2  | 12.1   | 14.5 | 17.4   | 18.4 |
| 34°   | 6.3   | 9.2  | 12.1   | 15.0 | 17.4   | 18.4 |
| 35°   | 5.8   | 8.7  | 11.6   | 14.5 | 17.0   | 18.4 |
| 36°   | 5.3   | 8.7  | 11.6   | 14.5 | 17.4   | 18.4 |
| 37°   | 4.8   | 8.7  | 11.6   | 14.5 | 17.0   | 18.4 |
| 38°   | 4.8   | 8.2  | 11.1   | 14.5 | 17.0   | 18.4 |
| 39°   | 4.4   | 7.8  | 11.1   | 14.5 | 17.0   | 18.4 |
| 40°   | 3.9   | 7.8  | 10.7   | 14.1 | 17.0   | 18.4 |
| 41°   | 3.4   | 7.3  | 10.7   | 14.1 | 17.0   | 18.4 |
| 42°   | 2.9   | 7.3  | 10.7   | 14.1 | 17.0   | 18.4 |
| 43°   | 2.4   | 6.8  | 10.2   | 14.1 | 17.0   | 18.4 |
| 44°   | 2.4   | 6.8  | 10.2   | 14.1 | 17.0   | 18.4 |
| 45°   | 1.9   | 6.3  | 9.7    | 14.1 | 17.0   | 18.4 |
| 46°   | 1.9   | 6.3  | 9.7    | 13.6 | 17.0   | 18.4 |
| 47°   | 1.5   | 6.3  | 9.7    | 13.6 | 17.0   | 18.4 |
| 48°   | 1.5   | 5.8  | 9.7    | 13.6 | 17.0   | 18.4 |
| 49°   | 1.0   | 5.8  | 9.7    | 13.6 | 17.0   | 18.4 |
| 50°   | 1.0   | 5.8  | 9.2    | 13.6 | 17.0   | 18.4 |
| 51°   | 1.0   | 5.8  | 9.2    | 13.6 | 17.0   | 18.4 |
| 52°   | 1.0   | 5.3  | 9.2    | 13.6 | 17.0   | 18.4 |
| 53°   | 1.0   | 5.3  | 9.2    | 13.6 | 17.0   | 18.4 |
| 54°   | 1.0   | 5.3  | 8.7    | 13.6 | 17.0   | 18.4 |
| 55°   | 1.0   | 4.8  | 8.7    | 13.1 | 17.0   | 17.9 |
| 56°   | 1.0   | 4.8  | 8.7    | 13.1 | 17.0   | 17.9 |
| 57°   | 1.0   | 4.8  | 8.2    | 13.1 | 17.0   | 17.9 |
| 58°   | 1.0   | 4.4  | 8.2    | 12.6 | 16.5   | 17.9 |
| 59°   | 1.0   | 4.4  | 7.8    | 12.6 | 16.5   | 17.4 |
| 60°   | 1.0   | 3.9  | 7.8    | 12.1 | 16.0   | 17.4 |
| 62.5° | 1.0   | 3.4  | 6.8    | 11.6 | 15.5   | 16.5 |
| 65°   | 1.0   | 2.9  | 6.3    | 10.7 | 15.0   | 16.0 |



TEST NUMBER: P1336444

CATALOG NUMBER: P3A05R159740DE010 E3CA451MB

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.0   | 2.9 | 5.8    | 10.2 | 14.1   | 15.5 |
| 70°   | 1.0   | 2.9 | 5.3    | 9.2  | 13.6   | 14.1 |
| 72.5° | 1.5   | 2.9 | 4.8    | 8.7  | 12.6   | 13.1 |
| 75°   | 1.9   | 2.9 | 4.4    | 7.8  | 11.6   | 12.1 |
| 77.5° | 1.9   | 2.9 | 3.9    | 6.8  | 10.2   | 10.7 |
| 80°   | 1.9   | 2.4 | 3.4    | 5.3  | 8.2    | 8.7  |
| 82.5° | 1.9   | 2.4 | 2.4    | 4.4  | 6.3    | 6.8  |
| 85°   | 1.5   | 1.9 | 1.9    | 2.4  | 4.4    | 4.8  |
| 87.5° | 1.5   | 1.9 | 1.0    | 1.5  | 1.9    | 1.9  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)