

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: P1344265

Luminaire Tested: P3A13R20W2N902750DE010 E3CA451MB\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344265  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-74)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R20W2N902750DE010 E3CA451MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,  
E3CA451MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

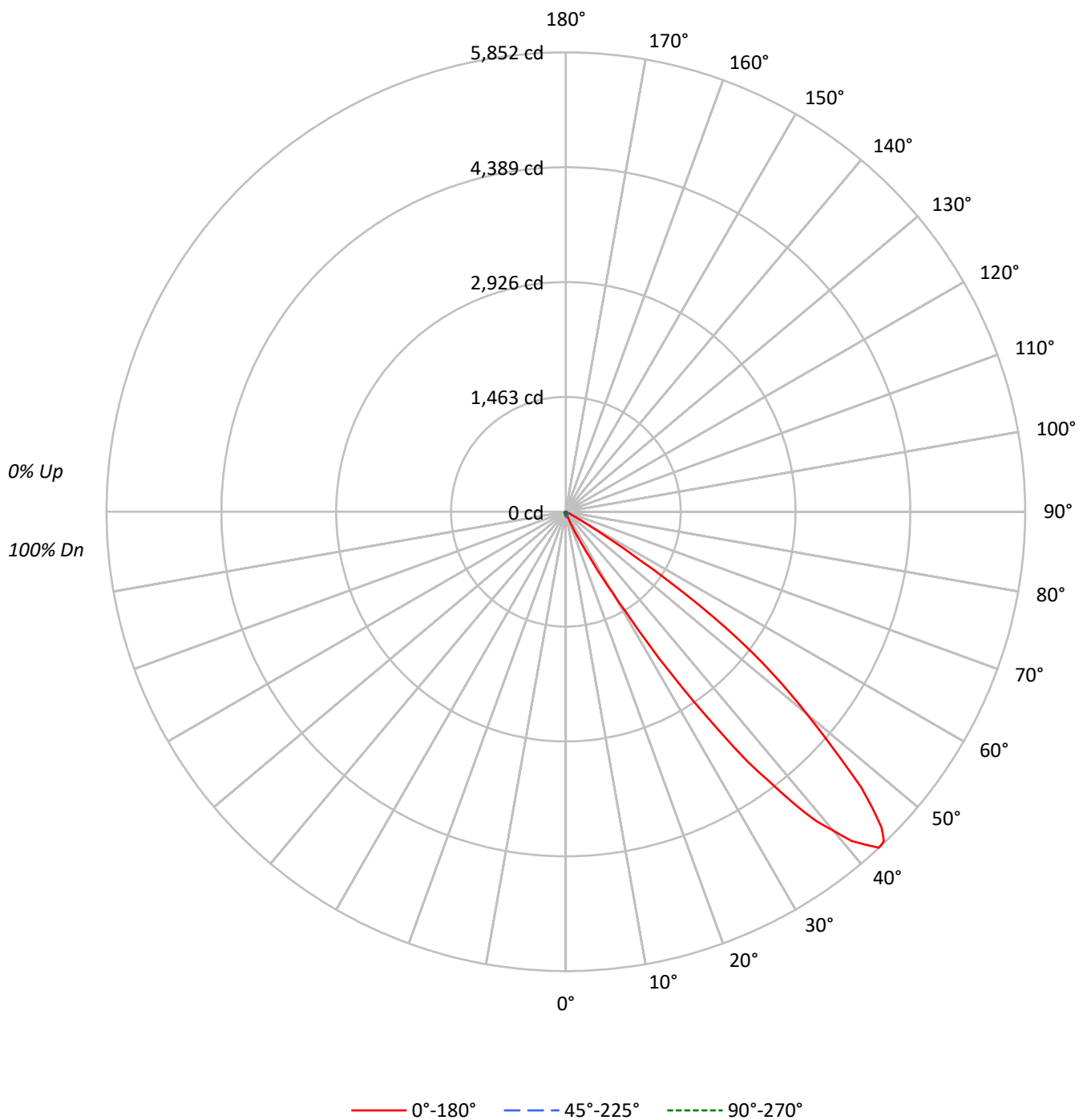
Lumens per Lamp: N/A  
Luminaire Lumens: 813.0 lumens  
Efficiency: N/A  
Efficacy: 66.1 lumens/watt  
Spacing Criteria (0/90/45): 3.39 / 0.51 / 1.14  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 12.3  
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: P1344265

CATALOG NUMBER: P3A13R20W2N902750DE010 E3CA451MB\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1344265

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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 | 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°  | 12389   | 12389 | 12389 | 12389 | 12389 |
| 5°  | 14462   | 13449 | 11600 | 10081 | 9751  |
| 10° | 14295   | 12246 | 9196  | 7815  | 7660  |
| 15° | 12486   | 9376  | 6765  | 6243  | 6583  |
| 20° | 18552   | 7841  | 4994  | 5344  | 5881  |
| 25° | 79868   | 8130  | 3871  | 4815  | 5734  |
| 30° | 301971  | 9875  | 3292  | 4634  | 5621  |
| 35° | 915454  | 11859 | 3078  | 4711  | 5943  |
| 40° | 1518016 | 11822 | 2634  | 5038  | 6355  |
| 45° | 1764431 | 8063  | 2357  | 5210  | 6884  |
| 50° | 1369678 | 4435  | 2354  | 5458  | 7812  |
| 55° | 792746  | 2906  | 2332  | 6117  | 8487  |
| 60° | 134024  | 658   | 2017  | 6359  | 9385  |
| 65° | 10325   | 0     | 2387  | 7160  | 10689 |
| 70° | 1475    | 0     | 2949  | 7822  | 12246 |
| 75° | 1271    | 678   | 3219  | 9065  | 14234 |
| 80° | 1010    | 1010  | 4799  | 9597  | 16416 |
| 85° | 2013    | 2013  | 7799  | 9561  | 17360 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1764431 cd/sqm

TEST NUMBER: P1344265

CATALOG NUMBER: P3A13R20W2N902750DE010 E3CA451MB\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 4.9    | 0.6       |
| 10°-20°   | 10.2   | 1.3       |
| 20°-30°   | 32.5   | 4.0       |
| 30°-40°   | 207.3  | 25.5      |
| 40°-50°   | 379.5  | 46.7      |
| 50°-60°   | 155.9  | 19.2      |
| 60°-70°   | 13.1   | 1.6       |
| 70°-80°   | 6.6    | 0.8       |
| 80°-90°   | 3.1    | 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°    | 47.5   | 5.8       |
| 0°-40°    | 254.8  | 31.3      |
| 0°-60°    | 790.2  | 97.2      |
| 0°-90°    | 813.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 813.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 56   | 56  | 56  | 56   | 56   |      |
| 5°  | 66   | 61  | 53  | 46   | 44   | 6    |
| 15° | 55   | 41  | 30  | 28   | 29   | 17   |
| 25° | 330  | 34  | 16  | 20   | 24   | 217  |
| 35° | 3420 | 44  | 12  | 18   | 22   | 2165 |
| 45° | 5690 | 26  | 8   | 17   | 22   | 4085 |
| 55° | 2074 | 8   | 6   | 16   | 22   | 1813 |
| 65° | 20   | 0   | 5   | 14   | 21   | 65   |
| 75° | 2    | 1   | 4   | 11   | 17   | 2    |
| 85° | 1    | 1   | 3   | 4    | 7    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344265

CATALOG NUMBER: P3A13R20W2N902750DE010 E3CA451MB\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°    | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|
| 0°    | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5   | 56.5  | 56.5 |
| 2.5°  | 61.9   | 61.9   | 61.9   | 61.1   | 61.1   | 61.9   | 61.1   | 61.1   | 61.1   | 61.1  | 60.4 |
| 5°    | 65.7   | 65.7   | 65.7   | 65.7   | 65.7   | 65.7   | 65.7   | 64.9   | 64.9   | 64.2  | 61.1 |
| 7.5°  | 67.2   | 67.2   | 67.2   | 67.2   | 66.5   | 66.5   | 66.5   | 66.5   | 65.7   | 64.9  | 59.6 |
| 10°   | 64.2   | 64.2   | 64.2   | 63.4   | 63.4   | 63.4   | 62.7   | 62.7   | 61.9   | 61.1  | 55.0 |
| 12.5° | 58.1   | 58.1   | 58.1   | 58.1   | 57.3   | 57.3   | 56.5   | 56.5   | 55.8   | 55.0  | 48.1 |
| 15°   | 55.0   | 55.0   | 55.0   | 54.2   | 54.2   | 53.5   | 52.7   | 52.0   | 51.2   | 49.7  | 41.3 |
| 17.5° | 59.6   | 59.6   | 58.8   | 58.8   | 57.3   | 55.8   | 55.0   | 52.7   | 51.2   | 48.9  | 36.7 |
| 20°   | 79.5   | 80.2   | 77.2   | 74.9   | 73.3   | 68.8   | 66.5   | 62.7   | 59.6   | 55.8  | 33.6 |
| 22.5° | 160.4  | 157.4  | 152.0  | 143.6  | 133.7  | 125.3  | 110.0  | 97.8   | 89.4   | 77.9  | 32.9 |
| 25°   | 330.1  | 327.0  | 312.5  | 300.3  | 269.7  | 246.0  | 213.2  | 186.4  | 158.9  | 132.2 | 33.6 |
| 27.5° | 627.3  | 606.6  | 602.8  | 547.0  | 504.3  | 443.1  | 379.7  | 326.2  | 277.3  | 223.1 | 35.9 |
| 30°   | 1192.6 | 1169.0 | 1085.7 | 1001.6 | 886.3  | 755.6  | 631.1  | 515.0  | 417.9  | 330.1 | 39.0 |
| 31°   | 1513.5 | 1536.5 | 1438.7 | 1269.8 | 1099.4 | 932.1  | 761.7  | 614.3  | 489.0  | 379.7 | 40.5 |
| 32°   | 1989.5 | 1889.4 | 1786.3 | 1612.9 | 1365.3 | 1151.4 | 937.5  | 725.1  | 560.0  | 433.2 | 42.0 |
| 33°   | 2439.5 | 2380.7 | 2223.3 | 2007.1 | 1709.9 | 1409.6 | 1132.3 | 855.7  | 647.1  | 498.1 | 42.8 |
| 34°   | 2919.4 | 2854.4 | 2726.8 | 2416.6 | 2090.4 | 1696.9 | 1327.1 | 1006.2 | 751.0  | 561.6 | 43.5 |
| 35°   | 3419.8 | 3392.3 | 3146.3 | 2877.3 | 2476.2 | 2001.8 | 1561.7 | 1171.3 | 852.7  | 619.6 | 44.3 |
| 36°   | 3923.3 | 3834.7 | 3642.1 | 3249.4 | 2830.7 | 2283.7 | 1807.7 | 1324.8 | 955.8  | 688.4 | 44.3 |
| 37°   | 4302.2 | 4282.4 | 4027.2 | 3644.4 | 3152.4 | 2584.7 | 2020.1 | 1495.2 | 1059.7 | 747.2 | 44.3 |
| 38°   | 4720.2 | 4641.5 | 4382.5 | 3992.8 | 3454.9 | 2860.5 | 2242.4 | 1643.4 | 1158.3 | 800.7 | 43.5 |
| 39°   | 5072.4 | 4955.5 | 4694.2 | 4309.1 | 3719.3 | 3069.9 | 2418.9 | 1787.1 | 1245.4 | 845.0 | 42.8 |
| 40°   | 5303.1 | 5222.1 | 4949.4 | 4516.2 | 3959.2 | 3267.8 | 2597.7 | 1905.5 | 1310.3 | 878.6 | 41.3 |
| 41°   | 5557.5 | 5423.1 | 5153.4 | 4717.9 | 4133.4 | 3442.0 | 2710.0 | 1983.4 | 1360.7 | 900.8 | 39.7 |
| 42°   | 5709.6 | 5599.6 | 5279.4 | 4853.1 | 4257.9 | 3541.3 | 2801.7 | 2043.0 | 1391.3 | 912.3 | 36.7 |
| 43°   | 5851.7 | 5701.9 | 5390.2 | 4931.8 | 4340.4 | 3611.6 | 2843.7 | 2070.5 | 1398.2 | 912.3 | 32.9 |
| 44°   | 5832.6 | 5690.5 | 5367.3 | 4942.5 | 4358.8 | 3632.2 | 2861.3 | 2071.3 | 1387.5 | 900.8 | 29.0 |
| 45°   | 5689.7 | 5548.4 | 5257.3 | 4849.3 | 4293.1 | 3591.7 | 2826.1 | 2040.7 | 1357.7 | 880.9 | 26.0 |
| 46°   | 5427.7 | 5287.1 | 5064.0 | 4693.4 | 4170.8 | 3500.0 | 2744.4 | 1974.3 | 1308.0 | 848.8 | 22.9 |
| 47°   | 5142.7 | 5005.9 | 4777.5 | 4442.1 | 3962.3 | 3336.5 | 2626.0 | 1881.0 | 1238.5 | 802.2 | 20.6 |
| 48°   | 4729.3 | 4643.8 | 4414.6 | 4128.0 | 3672.7 | 3080.6 | 2418.2 | 1729.0 | 1145.3 | 741.9 | 17.6 |
| 49°   | 4364.1 | 4274.0 | 4073.0 | 3765.1 | 3295.3 | 2782.6 | 2169.8 | 1544.1 | 1023.8 | 674.6 | 15.3 |
| 50°   | 4015.0 | 3936.3 | 3750.6 | 3403.0 | 2954.5 | 2422.7 | 1834.4 | 1311.1 | 871.0  | 591.4 | 13.0 |
| 51°   | 3673.5 | 3614.6 | 3425.1 | 3105.8 | 2650.4 | 2146.2 | 1589.2 | 1091.8 | 719.7  | 490.5 | 12.2 |
| 52°   | 3330.4 | 3323.5 | 3118.0 | 2794.8 | 2354.7 | 1870.3 | 1350.8 | 921.4  | 610.5  | 411.8 | 11.5 |
| 53°   | 2961.4 | 2917.1 | 2737.5 | 2447.2 | 2024.7 | 1583.1 | 1145.3 | 777.0  | 525.7  | 350.7 | 9.9  |
| 54°   | 2541.2 | 2491.5 | 2299.0 | 2036.9 | 1654.1 | 1296.6 | 922.9  | 628.0  | 437.8  | 296.4 | 9.2  |
| 55°   | 2073.6 | 1988.8 | 1849.0 | 1580.0 | 1292.0 | 989.4  | 712.8  | 497.4  | 349.9  | 246.8 | 7.6  |
| 56°   | 1573.1 | 1488.3 | 1409.6 | 1211.8 | 948.2  | 738.1  | 531.0  | 381.3  | 273.5  | 194.8 | 6.9  |
| 57°   | 1094.1 | 1089.5 | 960.4  | 808.3  | 634.1  | 502.7  | 363.7  | 268.9  | 193.3  | 151.3 | 5.3  |
| 58°   | 709.8  | 686.1  | 603.6  | 515.7  | 414.9  | 314.0  | 233.8  | 182.6  | 131.4  | 103.1 | 4.6  |
| 59°   | 497.4  | 450.0  | 405.7  | 343.8  | 261.3  | 197.9  | 150.5  | 116.9  | 90.9   | 71.8  | 3.1  |
| 60°   | 305.6  | 295.7  | 265.9  | 209.3  | 169.6  | 139.8  | 112.3  | 86.3   | 66.5   | 51.2  | 1.5  |
| 62.5° | 87.1   | 88.6   | 80.2   | 71.1   | 61.1   | 52.7   | 47.4   | 40.5   | 33.6   | 26.7  | 0.0  |
| 65°   | 19.9   | 19.1   | 20.6   | 19.1   | 17.6   | 17.6   | 15.3   | 13.8   | 12.2   | 11.5  | 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° | 6.1 | 6.1  | 5.3 | 5.3  | 5.3 | 4.6   | 4.6 | 3.8   | 3.8 | 3.1   | 0.0 |
| 70°   | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 1.5   | 1.5 | 1.5   | 0.8 | 0.8   | 0.0 |
| 72.5° | 2.3 | 2.3  | 2.3 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 0.8 | 0.8   | 0.8 |
| 75°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 | 0.8   | 0.8 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 0.8   | 1.5 | 0.8   | 0.8 | 0.8   | 0.8 |
| 80°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.0 | 0.0   | 0.8 | 0.8   | 0.8 | 0.0   | 0.8 |
| 87.5° | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.8 |
| 90°   | 0.0 | 0.0  | 0.0 | 0.0  | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 | 0.0   | 0.0 |

TEST NUMBER: P1344265

CATALOG NUMBER: P3A13R20W2N902750DE010 E3CA451MB\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 56.5  | 56.5 | 56.5   | 56.5 | 56.5   | 56.5 |
| 2.5°  | 58.8  | 55.8 | 53.5   | 51.2 | 50.4   | 50.4 |
| 5°    | 57.3  | 52.7 | 48.1   | 45.8 | 44.3   | 44.3 |
| 7.5°  | 52.7  | 47.4 | 42.8   | 40.5 | 39.7   | 39.7 |
| 10°   | 47.4  | 41.3 | 36.7   | 35.1 | 35.1   | 34.4 |
| 12.5° | 41.3  | 35.1 | 32.1   | 31.3 | 31.3   | 31.3 |
| 15°   | 34.4  | 29.8 | 27.5   | 27.5 | 28.3   | 29.0 |
| 17.5° | 29.0  | 24.4 | 23.7   | 25.2 | 26.7   | 26.7 |
| 20°   | 24.4  | 21.4 | 21.4   | 22.9 | 24.4   | 25.2 |
| 22.5° | 20.6  | 18.3 | 19.1   | 21.4 | 23.7   | 24.4 |
| 25°   | 18.3  | 16.0 | 17.6   | 19.9 | 22.2   | 23.7 |
| 27.5° | 15.3  | 14.5 | 16.0   | 19.1 | 22.2   | 22.9 |
| 30°   | 13.0  | 13.0 | 15.3   | 18.3 | 21.4   | 22.2 |
| 31°   | 12.2  | 12.2 | 15.3   | 18.3 | 21.4   | 22.2 |
| 32°   | 11.5  | 12.2 | 14.5   | 18.3 | 21.4   | 22.2 |
| 33°   | 10.7  | 11.5 | 14.5   | 17.6 | 21.4   | 22.2 |
| 34°   | 9.9   | 11.5 | 14.5   | 17.6 | 21.4   | 22.2 |
| 35°   | 9.2   | 11.5 | 14.5   | 17.6 | 21.4   | 22.2 |
| 36°   | 8.4   | 10.7 | 13.8   | 17.6 | 21.4   | 22.2 |
| 37°   | 7.6   | 10.7 | 13.8   | 17.6 | 21.4   | 22.2 |
| 38°   | 6.9   | 9.9  | 13.8   | 17.6 | 21.4   | 22.2 |
| 39°   | 6.9   | 9.9  | 13.0   | 17.6 | 20.6   | 22.2 |
| 40°   | 6.1   | 9.2  | 13.0   | 17.6 | 20.6   | 22.2 |
| 41°   | 5.3   | 9.2  | 13.0   | 16.8 | 20.6   | 22.2 |
| 42°   | 4.6   | 8.4  | 12.2   | 16.8 | 20.6   | 22.2 |
| 43°   | 3.8   | 8.4  | 12.2   | 16.8 | 20.6   | 22.2 |
| 44°   | 3.8   | 7.6  | 12.2   | 16.8 | 20.6   | 22.2 |
| 45°   | 3.1   | 7.6  | 12.2   | 16.8 | 20.6   | 22.2 |
| 46°   | 2.3   | 7.6  | 12.2   | 16.8 | 20.6   | 22.2 |
| 47°   | 2.3   | 6.9  | 11.5   | 16.8 | 20.6   | 22.2 |
| 48°   | 1.5   | 6.9  | 11.5   | 16.8 | 20.6   | 22.2 |
| 49°   | 1.5   | 6.9  | 11.5   | 16.8 | 20.6   | 22.9 |
| 50°   | 1.5   | 6.9  | 11.5   | 16.0 | 20.6   | 22.9 |
| 51°   | 0.8   | 6.9  | 11.5   | 16.0 | 20.6   | 22.9 |
| 52°   | 0.8   | 6.9  | 10.7   | 16.0 | 21.4   | 22.9 |
| 53°   | 0.8   | 6.1  | 10.7   | 16.0 | 21.4   | 22.9 |
| 54°   | 0.8   | 6.1  | 10.7   | 16.0 | 21.4   | 22.2 |
| 55°   | 0.8   | 6.1  | 10.7   | 16.0 | 20.6   | 22.2 |
| 56°   | 0.8   | 5.3  | 10.7   | 16.0 | 20.6   | 22.2 |
| 57°   | 0.8   | 5.3  | 9.9    | 15.3 | 20.6   | 21.4 |
| 58°   | 0.8   | 5.3  | 9.9    | 15.3 | 20.6   | 21.4 |
| 59°   | 0.8   | 5.3  | 9.9    | 15.3 | 19.9   | 21.4 |
| 60°   | 1.5   | 4.6  | 9.2    | 14.5 | 19.9   | 21.4 |
| 62.5° | 1.5   | 4.6  | 9.2    | 14.5 | 19.1   | 20.6 |
| 65°   | 1.5   | 4.6  | 8.4    | 13.8 | 19.1   | 20.6 |



TEST NUMBER: P1344265

CATALOG NUMBER: P3A13R20W2N902750DE010 E3CA451MB\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 3.8 | 7.6    | 13.0 | 18.3   | 19.9 |
| 70°   | 1.5   | 4.6 | 7.6    | 12.2 | 17.6   | 19.1 |
| 72.5° | 2.3   | 3.8 | 6.9    | 11.5 | 16.8   | 18.3 |
| 75°   | 2.3   | 3.8 | 6.9    | 10.7 | 16.0   | 16.8 |
| 77.5° | 3.1   | 3.8 | 6.1    | 9.2  | 14.5   | 15.3 |
| 80°   | 3.1   | 3.8 | 5.3    | 7.6  | 12.2   | 13.0 |
| 82.5° | 3.1   | 3.8 | 3.8    | 6.1  | 9.2    | 9.9  |
| 85°   | 2.3   | 3.1 | 3.1    | 3.8  | 6.1    | 6.9  |
| 87.5° | 2.3   | 3.1 | 2.3    | 1.5  | 3.1    | 3.1  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)