

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: P1343695

Luminaire Tested: P3A13R15B2750DE010 E3CA451MW\_3000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1343695  
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: P3A13R15B2750DE010 E3CA451MW\_3000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R15 optic, 3000K CCT AND, 90CRI , E3CA451MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

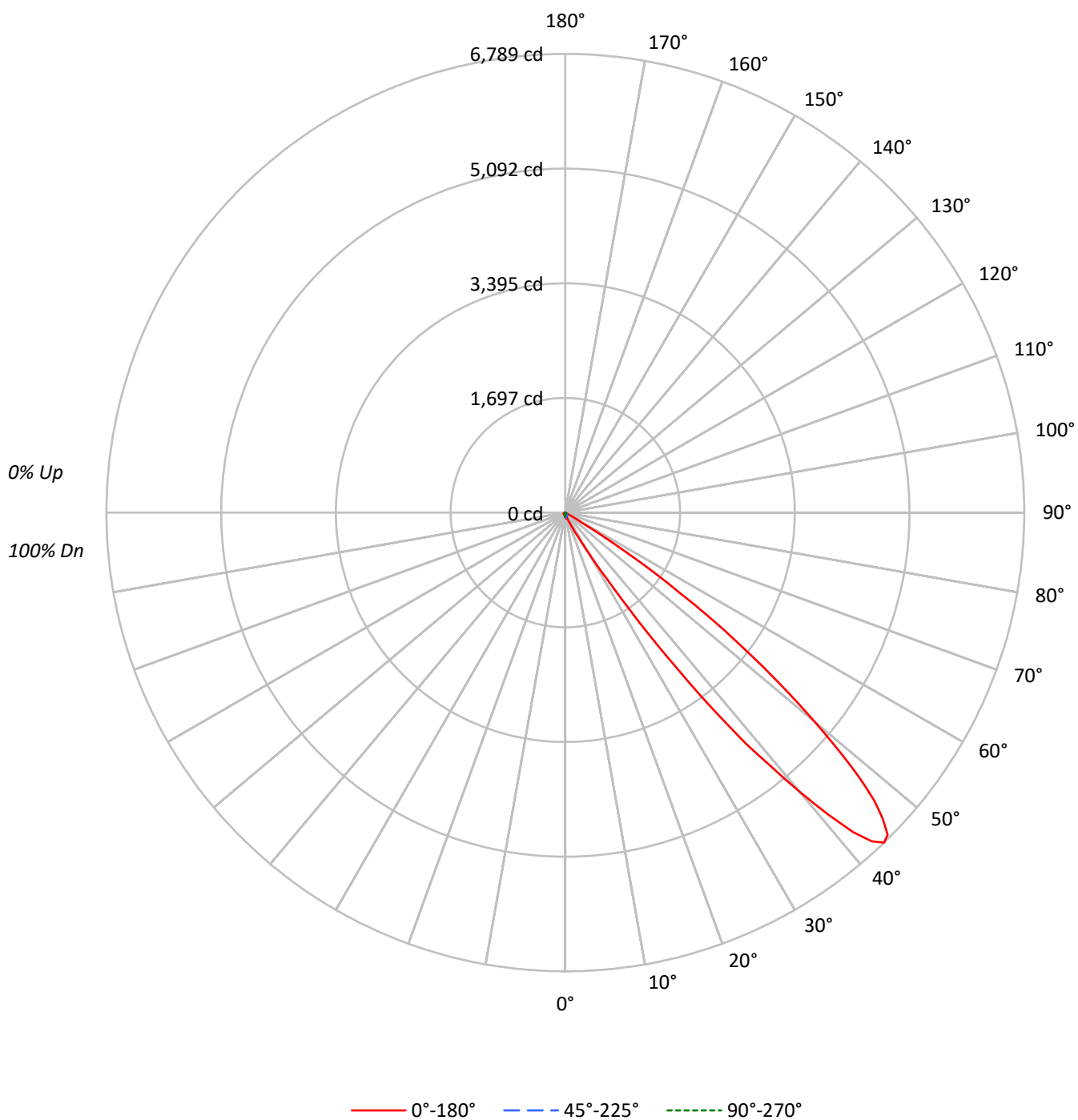
Lumens per Lamp: N/A  
Luminaire Lumens: 758.0 lumens  
Efficiency: N/A  
Efficacy: 39.7 lumens/watt  
Spacing Criteria (0/90/45): 3.26 / 0.47 / 1.08  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

Input Watts (W): 19.1  
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: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**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  |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | 100 |
| 1   | 110 | 106 | 102 | 99  | 107 | 104 | 100 | 97  | 100 | 97  | 94  | 96  | 93  | 91  | 92  | 90  | 89  | 87  | 87  |
| 2   | 101 | 93  | 87  | 81  | 98  | 91  | 85  | 80  | 87  | 83  | 78  | 84  | 80  | 77  | 81  | 78  | 75  | 73  | 73  |
| 3   | 91  | 81  | 73  | 67  | 89  | 79  | 72  | 66  | 76  | 70  | 65  | 74  | 68  | 64  | 71  | 67  | 63  | 61  | 61  |
| 4   | 83  | 71  | 62  | 55  | 80  | 69  | 61  | 55  | 67  | 60  | 54  | 64  | 58  | 53  | 62  | 57  | 53  | 50  | 50  |
| 5   | 75  | 62  | 52  | 46  | 73  | 61  | 52  | 45  | 58  | 51  | 45  | 56  | 50  | 44  | 55  | 49  | 44  | 42  | 42  |
| 6   | 68  | 54  | 45  | 38  | 66  | 53  | 44  | 38  | 51  | 43  | 37  | 49  | 42  | 37  | 48  | 42  | 37  | 35  | 35  |
| 7   | 62  | 47  | 38  | 32  | 60  | 47  | 38  | 32  | 45  | 37  | 31  | 44  | 36  | 31  | 42  | 36  | 31  | 29  | 29  |
| 8   | 56  | 42  | 33  | 27  | 55  | 41  | 33  | 27  | 40  | 32  | 26  | 39  | 31  | 26  | 37  | 31  | 26  | 24  | 24  |
| 9   | 52  | 37  | 28  | 22  | 50  | 37  | 28  | 22  | 35  | 28  | 22  | 34  | 27  | 22  | 33  | 27  | 22  | 20  | 20  |
| 10  | 48  | 33  | 25  | 19  | 46  | 33  | 25  | 19  | 32  | 24  | 19  | 31  | 24  | 19  | 30  | 23  | 19  | 17  | 17  |

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

|     | 0°      | 45°   | 90°   | 135°  | 180°  |
|-----|---------|-------|-------|-------|-------|
| 0°  | 14758   | 14758 | 14758 | 14758 | 14758 |
| 5°  | 18292   | 16311 | 13317 | 11644 | 11490 |
| 10° | 18013   | 13961 | 10265 | 9085  | 9263  |
| 15° | 14938   | 9943  | 7378  | 7560  | 8059  |
| 20° | 25926   | 7934  | 5647  | 6534  | 7397  |
| 25° | 57778   | 9509  | 4573  | 6025  | 6944  |
| 30° | 172811  | 11673 | 4026  | 5925  | 7267  |
| 35° | 665242  | 13144 | 3641  | 6077  | 7683  |
| 40° | 1544064 | 11479 | 3464  | 6269  | 8215  |
| 45° | 2091380 | 8683  | 3039  | 6791  | 8900  |
| 50° | 1639827 | 5151  | 3104  | 7232  | 9791  |
| 55° | 787088  | 2294  | 2906  | 7799  | 10705 |
| 60° | 71924   | 351   | 2631  | 8289  | 11929 |
| 65° | 7835    | 0     | 2335  | 8613  | 12920 |
| 70° | 1923    | 0     | 2885  | 9232  | 14041 |
| 75° | 1949    | 678   | 3813  | 10252 | 16013 |
| 80° | 1894    | 1894  | 4799  | 10481 | 17174 |
| 85° | 2013    | 2013  | 7548  | 9561  | 19121 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2091380 cd/sqm

TEST NUMBER: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.7    | 0.8       |
| 10°-20°   | 12.0   | 1.6       |
| 20°-30°   | 28.6   | 3.8       |
| 30°-40°   | 156.8  | 20.7      |
| 40°-50°   | 379.7  | 50.1      |
| 50°-60°   | 151.5  | 20.0      |
| 60°-70°   | 13.1   | 1.7       |
| 70°-80°   | 7.4    | 1.0       |
| 80°-90°   | 3.3    | 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°    | 46.3   | 6.1       |
| 0°-40°    | 203.1  | 26.8      |
| 0°-60°    | 734.3  | 96.9      |
| 0°-90°    | 758.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 758.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 67   | 67  | 67  | 67   | 67   |      |
| 5°  | 83   | 74  | 60  | 53   | 52   | 8    |
| 15° | 66   | 44  | 32  | 33   | 36   | 23   |
| 25° | 239  | 39  | 19  | 25   | 29   | 144  |
| 35° | 2485 | 49  | 14  | 23   | 29   | 1756 |
| 45° | 6744 | 28  | 10  | 22   | 29   | 4757 |
| 55° | 2059 | 6   | 8   | 20   | 28   | 1918 |
| 65° | 15   | 0   | 4   | 17   | 25   | 39   |
| 75° | 2    | 1   | 4   | 12   | 19   | 2    |
| 85° | 1    | 1   | 3   | 4    | 8    | 1    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 2.5°   | 5°     | 7.5°   | 10°    | 12.5°  | 15°    | 17.5°  | 20°   | 22.5° | 45°  |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|
| 0°    | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3   | 67.3  | 67.3  | 67.3 |
| 2.5°  | 75.6   | 75.6   | 76.3   | 75.6   | 75.6   | 75.6   | 75.6   | 74.8   | 74.8  | 74.8  | 72.6 |
| 5°    | 83.1   | 83.1   | 83.1   | 83.1   | 82.4   | 82.4   | 82.4   | 81.6   | 81.6  | 80.9  | 74.1 |
| 7.5°  | 86.2   | 86.2   | 85.4   | 85.4   | 84.6   | 84.6   | 83.9   | 83.1   | 82.4  | 81.6  | 71.0 |
| 10°   | 80.9   | 80.9   | 80.9   | 80.1   | 80.1   | 79.4   | 78.6   | 77.8   | 77.1  | 75.6  | 62.7 |
| 12.5° | 71.8   | 71.8   | 72.6   | 71.8   | 71.0   | 70.3   | 68.8   | 68.0   | 67.3  | 65.8  | 52.2 |
| 15°   | 65.8   | 65.8   | 65.8   | 65.0   | 64.2   | 62.7   | 62.0   | 60.5   | 59.7  | 57.4  | 43.8 |
| 17.5° | 83.9   | 83.9   | 83.1   | 81.6   | 78.6   | 76.3   | 72.6   | 69.5   | 65.8  | 61.2  | 37.8 |
| 20°   | 111.1  | 111.1  | 109.6  | 108.1  | 104.3  | 100.5  | 94.5   | 89.2   | 83.1  | 77.8  | 34.0 |
| 22.5° | 161.0  | 163.3  | 158.7  | 153.4  | 148.1  | 139.1  | 130.8  | 122.4  | 111.9 | 102.8 | 34.8 |
| 25°   | 238.8  | 241.1  | 238.8  | 226.7  | 216.9  | 204.8  | 188.9  | 172.3  | 154.2 | 137.6 | 39.3 |
| 27.5° | 387.0  | 388.5  | 384.7  | 355.2  | 339.4  | 307.6  | 279.6  | 252.4  | 222.2 | 192.0 | 43.1 |
| 30°   | 682.5  | 683.2  | 659.1  | 600.1  | 548.0  | 478.4  | 419.5  | 362.8  | 315.2 | 266.8 | 46.1 |
| 31°   | 898.6  | 877.5  | 826.1  | 755.0  | 671.9  | 578.2  | 497.3  | 424.0  | 353.0 | 300.8 | 46.9 |
| 32°   | 1141.3 | 1138.2 | 1052.8 | 929.6  | 818.5  | 701.4  | 579.7  | 486.0  | 404.4 | 333.3 | 47.6 |
| 33°   | 1462.5 | 1464.0 | 1329.4 | 1184.3 | 1002.2 | 845.0  | 685.5  | 557.0  | 458.8 | 371.9 | 49.1 |
| 34°   | 1964.3 | 1846.4 | 1688.5 | 1491.9 | 1244.0 | 1007.5 | 800.4  | 639.4  | 507.9 | 408.9 | 49.1 |
| 35°   | 2485.1 | 2366.4 | 2192.6 | 1894.8 | 1554.7 | 1223.6 | 937.2  | 727.8  | 566.8 | 448.9 | 49.1 |
| 36°   | 3068.5 | 2968.0 | 2705.0 | 2324.8 | 1891.0 | 1427.7 | 1082.3 | 829.9  | 625.0 | 485.2 | 48.4 |
| 37°   | 3698.9 | 3551.5 | 3259.8 | 2844.8 | 2264.4 | 1714.9 | 1259.2 | 931.1  | 683.2 | 524.5 | 46.9 |
| 38°   | 4339.0 | 4206.0 | 3837.9 | 3335.3 | 2710.3 | 2018.0 | 1436.0 | 1028.6 | 736.9 | 554.0 | 44.6 |
| 39°   | 4824.3 | 4751.7 | 4386.6 | 3825.1 | 3066.3 | 2305.2 | 1618.2 | 1132.9 | 793.6 | 583.5 | 42.3 |
| 40°   | 5394.1 | 5277.0 | 4930.8 | 4236.2 | 3487.2 | 2597.7 | 1796.5 | 1225.1 | 840.4 | 606.9 | 40.1 |
| 41°   | 5914.1 | 5766.0 | 5329.1 | 4658.0 | 3824.3 | 2860.7 | 1965.8 | 1320.4 | 878.2 | 620.5 | 38.5 |
| 42°   | 6360.0 | 6187.7 | 5731.2 | 5019.2 | 4106.2 | 3070.8 | 2101.1 | 1388.4 | 913.8 | 631.8 | 36.3 |
| 43°   | 6648.7 | 6499.9 | 6050.9 | 5290.6 | 4347.3 | 3263.5 | 2227.3 | 1459.4 | 935.7 | 639.4 | 33.3 |
| 44°   | 6789.3 | 6638.9 | 6204.3 | 5460.6 | 4495.5 | 3379.2 | 2309.0 | 1508.6 | 959.9 | 649.2 | 31.0 |
| 45°   | 6744.0 | 6591.3 | 6171.1 | 5463.7 | 4541.6 | 3420.7 | 2343.7 | 1530.5 | 972.7 | 658.3 | 28.0 |
| 46°   | 6536.1 | 6428.8 | 6005.6 | 5321.6 | 4453.9 | 3376.1 | 2324.1 | 1513.9 | 968.2 | 658.3 | 24.9 |
| 47°   | 6244.4 | 6122.0 | 5719.1 | 5077.4 | 4241.5 | 3261.3 | 2244.7 | 1463.2 | 940.2 | 643.2 | 21.9 |
| 48°   | 5846.8 | 5742.5 | 5319.3 | 4689.7 | 3915.8 | 3011.1 | 2065.6 | 1380.8 | 896.4 | 613.7 | 18.9 |
| 49°   | 5348.0 | 5202.9 | 4809.1 | 4193.9 | 3491.0 | 2655.9 | 1830.5 | 1241.8 | 826.1 | 572.1 | 16.6 |
| 50°   | 4806.9 | 4627.7 | 4323.9 | 3697.4 | 3051.9 | 2277.2 | 1521.4 | 1049.8 | 727.1 | 517.7 | 15.1 |
| 51°   | 4277.1 | 4094.9 | 3805.4 | 3272.6 | 2583.3 | 1889.5 | 1227.4 | 838.2  | 598.6 | 442.9 | 12.8 |
| 52°   | 3727.6 | 3574.9 | 3250.7 | 2832.0 | 2211.5 | 1531.2 | 1022.6 | 708.9  | 497.3 | 371.9 | 10.6 |
| 53°   | 3180.4 | 3076.1 | 2767.7 | 2343.7 | 1776.9 | 1250.8 | 835.2  | 606.9  | 433.8 | 318.2 | 8.3  |
| 54°   | 2632.4 | 2518.3 | 2284.0 | 1906.1 | 1432.2 | 987.1  | 708.2  | 507.9  | 376.4 | 277.4 | 7.6  |
| 55°   | 2058.8 | 1999.8 | 1783.7 | 1453.4 | 1085.3 | 787.5  | 574.4  | 436.9  | 315.2 | 232.0 | 6.0  |
| 56°   | 1585.7 | 1519.2 | 1321.9 | 1054.3 | 806.4  | 616.7  | 464.8  | 356.7  | 266.8 | 194.2 | 4.5  |
| 57°   | 1038.5 | 970.4  | 839.7  | 736.1  | 587.3  | 449.7  | 355.2  | 281.2  | 216.9 | 161.0 | 3.8  |
| 58°   | 613.7  | 551.7  | 531.3  | 453.5  | 391.5  | 305.3  | 262.3  | 209.4  | 160.2 | 127.0 | 2.3  |
| 59°   | 281.9  | 286.4  | 254.7  | 238.8  | 216.9  | 194.2  | 159.5  | 139.8  | 109.6 | 91.5  | 1.5  |
| 60°   | 164.0  | 154.9  | 151.2  | 135.3  | 120.2  | 106.6  | 96.0   | 84.6   | 68.8  | 59.0  | 0.8  |
| 62.5° | 55.9   | 53.7   | 55.2   | 49.9   | 46.9   | 45.3   | 41.6   | 35.5   | 29.5  | 24.2  | 0.0  |
| 65°   | 15.1   | 15.1   | 14.4   | 13.6   | 12.8   | 12.1   | 11.3   | 9.8    | 9.1   | 7.6   | 0.0  |



TEST NUMBER: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 2.5° | 5°  | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 45° |
|-------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 67.5° | 5.3 | 5.3  | 4.5 | 4.5  | 3.8 | 3.8   | 3.0 | 3.0   | 2.3 | 2.3   | 0.0 |
| 70°   | 3.0 | 3.0  | 3.0 | 2.3  | 2.3 | 2.3   | 1.5 | 1.5   | 1.5 | 0.8   | 0.0 |
| 72.5° | 2.3 | 2.3  | 2.3 | 2.3  | 2.3 | 2.3   | 1.5 | 1.5   | 1.5 | 0.8   | 0.8 |
| 75°   | 2.3 | 2.3  | 2.3 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 1.5   | 0.8 |
| 77.5° | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 |
| 80°   | 1.5 | 1.5  | 1.5 | 1.5  | 1.5 | 1.5   | 1.5 | 1.5   | 1.5 | 0.8   | 1.5 |
| 82.5° | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 1.5 |
| 85°   | 0.8 | 0.8  | 0.8 | 0.8  | 0.8 | 0.8   | 0.8 | 0.8   | 0.8 | 0.8   | 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: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90°  | 112.5° | 135° | 157.5° | 180° |
|-------|-------|------|--------|------|--------|------|
| 0°    | 67.3  | 67.3 | 67.3   | 67.3 | 67.3   | 67.3 |
| 2.5°  | 69.5  | 66.5 | 62.7   | 60.5 | 59.7   | 59.0 |
| 5°    | 66.5  | 60.5 | 55.9   | 52.9 | 52.2   | 52.2 |
| 7.5°  | 59.7  | 52.9 | 48.4   | 46.9 | 46.1   | 46.1 |
| 10°   | 52.2  | 46.1 | 42.3   | 40.8 | 41.6   | 41.6 |
| 12.5° | 43.8  | 38.5 | 37.0   | 37.0 | 37.8   | 38.5 |
| 15°   | 35.5  | 32.5 | 32.5   | 33.3 | 34.8   | 35.5 |
| 17.5° | 29.5  | 28.0 | 28.7   | 30.2 | 31.7   | 33.3 |
| 20°   | 24.2  | 24.2 | 25.7   | 28.0 | 30.2   | 31.7 |
| 22.5° | 20.4  | 21.2 | 23.4   | 25.7 | 28.7   | 30.2 |
| 25°   | 17.4  | 18.9 | 21.2   | 24.9 | 28.0   | 28.7 |
| 27.5° | 15.1  | 17.4 | 20.4   | 24.2 | 27.2   | 28.7 |
| 30°   | 12.8  | 15.9 | 19.7   | 23.4 | 27.2   | 28.7 |
| 31°   | 12.1  | 15.1 | 18.9   | 23.4 | 27.2   | 28.7 |
| 32°   | 11.3  | 15.1 | 18.9   | 23.4 | 27.2   | 28.7 |
| 33°   | 10.6  | 14.4 | 18.9   | 22.7 | 27.2   | 28.7 |
| 34°   | 9.8   | 14.4 | 18.9   | 23.4 | 27.2   | 28.7 |
| 35°   | 9.1   | 13.6 | 18.1   | 22.7 | 26.5   | 28.7 |
| 36°   | 8.3   | 13.6 | 18.1   | 22.7 | 27.2   | 28.7 |
| 37°   | 7.6   | 13.6 | 18.1   | 22.7 | 26.5   | 28.7 |
| 38°   | 7.6   | 12.8 | 17.4   | 22.7 | 26.5   | 28.7 |
| 39°   | 6.8   | 12.1 | 17.4   | 22.7 | 26.5   | 28.7 |
| 40°   | 6.0   | 12.1 | 16.6   | 21.9 | 26.5   | 28.7 |
| 41°   | 5.3   | 11.3 | 16.6   | 21.9 | 26.5   | 28.7 |
| 42°   | 4.5   | 11.3 | 16.6   | 21.9 | 26.5   | 28.7 |
| 43°   | 3.8   | 10.6 | 15.9   | 21.9 | 26.5   | 28.7 |
| 44°   | 3.8   | 10.6 | 15.9   | 21.9 | 26.5   | 28.7 |
| 45°   | 3.0   | 9.8  | 15.1   | 21.9 | 26.5   | 28.7 |
| 46°   | 3.0   | 9.8  | 15.1   | 21.2 | 26.5   | 28.7 |
| 47°   | 2.3   | 9.8  | 15.1   | 21.2 | 26.5   | 28.7 |
| 48°   | 2.3   | 9.1  | 15.1   | 21.2 | 26.5   | 28.7 |
| 49°   | 1.5   | 9.1  | 15.1   | 21.2 | 26.5   | 28.7 |
| 50°   | 1.5   | 9.1  | 14.4   | 21.2 | 26.5   | 28.7 |
| 51°   | 1.5   | 9.1  | 14.4   | 21.2 | 26.5   | 28.7 |
| 52°   | 1.5   | 8.3  | 14.4   | 21.2 | 26.5   | 28.7 |
| 53°   | 1.5   | 8.3  | 14.4   | 21.2 | 26.5   | 28.7 |
| 54°   | 1.5   | 8.3  | 13.6   | 21.2 | 26.5   | 28.7 |
| 55°   | 1.5   | 7.6  | 13.6   | 20.4 | 26.5   | 28.0 |
| 56°   | 1.5   | 7.6  | 13.6   | 20.4 | 26.5   | 28.0 |
| 57°   | 1.5   | 7.6  | 12.8   | 20.4 | 26.5   | 28.0 |
| 58°   | 1.5   | 6.8  | 12.8   | 19.7 | 25.7   | 28.0 |
| 59°   | 1.5   | 6.8  | 12.1   | 19.7 | 25.7   | 27.2 |
| 60°   | 1.5   | 6.0  | 12.1   | 18.9 | 24.9   | 27.2 |
| 62.5° | 1.5   | 5.3  | 10.6   | 18.1 | 24.2   | 25.7 |
| 65°   | 1.5   | 4.5  | 9.8    | 16.6 | 23.4   | 24.9 |



TEST NUMBER: P1343695

CATALOG NUMBER: P3A13R15B2750DE010 E3CA451MW\_3000K

**CANDELA DISTRIBUTION (continued):**

|       | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-----|--------|------|--------|------|
| 67.5° | 1.5   | 4.5 | 9.1    | 15.9 | 21.9   | 24.2 |
| 70°   | 1.5   | 4.5 | 8.3    | 14.4 | 21.2   | 21.9 |
| 72.5° | 2.3   | 4.5 | 7.6    | 13.6 | 19.7   | 20.4 |
| 75°   | 3.0   | 4.5 | 6.8    | 12.1 | 18.1   | 18.9 |
| 77.5° | 3.0   | 4.5 | 6.0    | 10.6 | 15.9   | 16.6 |
| 80°   | 3.0   | 3.8 | 5.3    | 8.3  | 12.8   | 13.6 |
| 82.5° | 3.0   | 3.8 | 3.8    | 6.8  | 9.8    | 10.6 |
| 85°   | 2.3   | 3.0 | 3.0    | 3.8  | 6.8    | 7.6  |
| 87.5° | 2.3   | 3.0 | 1.5    | 2.3  | 3.0    | 3.0  |
| 90°   | 0.0   | 0.0 | 0.0    | 0.0  | 0.0    | 0.0  |

(END OF REPORT)