

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: P1344682

Luminaire Tested: P3A13R25B2750DE010 E3CA301MW\_4000K

Issue Date: 2/13/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1344682  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/13/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: IRiS  
Catalog Number: P3A13R25B2750DE010 E3CA301MW\_4000K  
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R25 optic, 4000K CCT AND, 80CRI , E3CA301MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

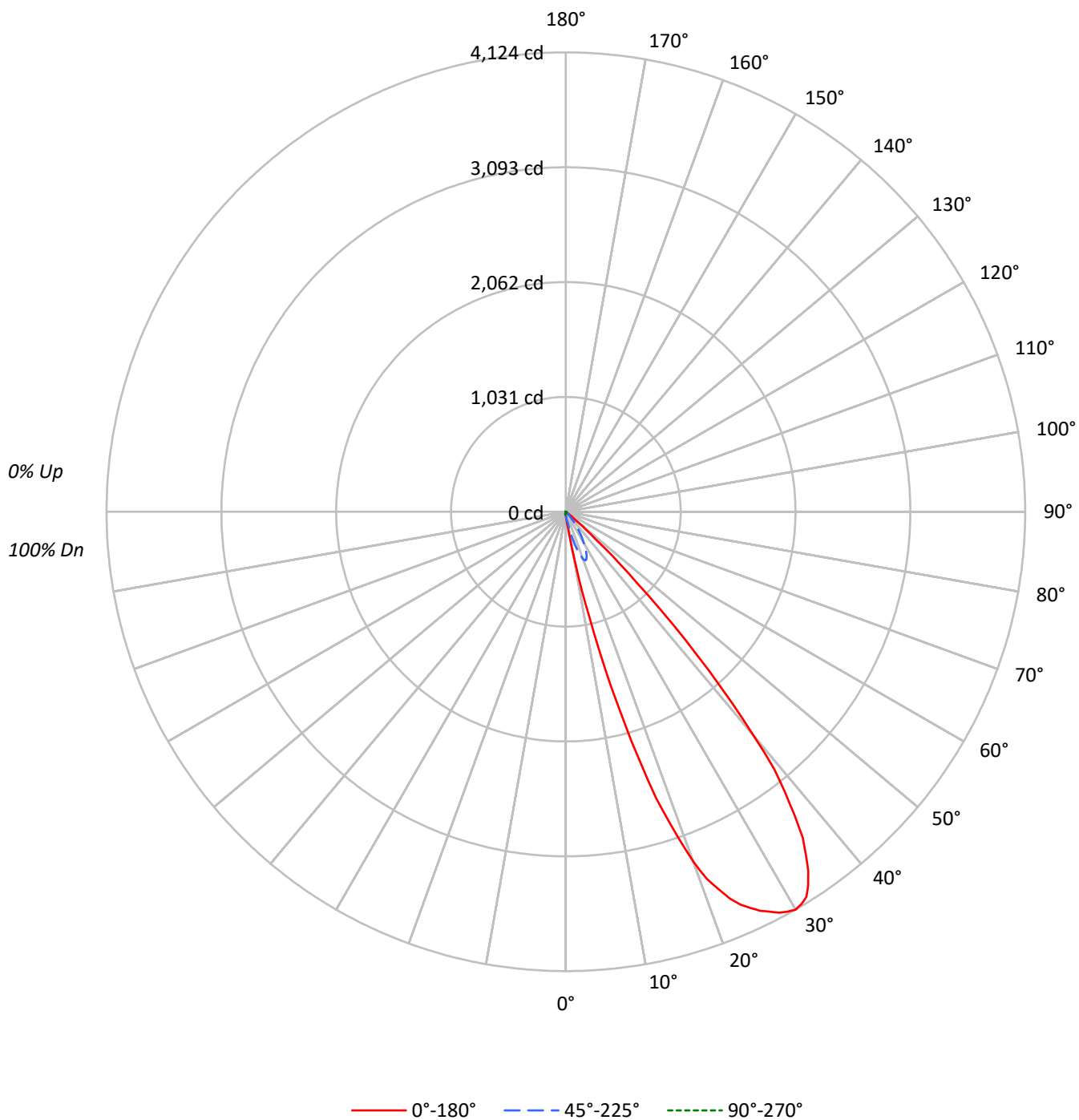
Lumens per Lamp: N/A  
Luminaire Lumens: 825.0 lumens  
Efficiency: N/A  
Efficacy: 43.2 lumens/watt  
Spacing Criteria (0/90/45): 2.36 / 0.51 / 1.27  
Luminous Opening: Circular (Dia: 0.25' x H: 0')  
CIE Type: Direct

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: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

### Luminous Intensity Polar Plot



TEST NUMBER: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**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   | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99  | 99  | 98  | 96  | 96  | 95  | 93  | 92  |    |    |
| 2   | 106 | 100 | 95  | 92  | 104 | 98  | 94  | 90  | 95  | 92  | 88  | 92  | 89  | 87  | 89  | 87  | 85  | 83  |    |    |
| 3   | 99  | 92  | 86  | 81  | 97  | 90  | 85  | 81  | 88  | 83  | 79  | 85  | 81  | 78  | 83  | 79  | 77  | 75  |    |    |
| 4   | 93  | 84  | 77  | 72  | 91  | 83  | 77  | 72  | 80  | 75  | 71  | 78  | 74  | 70  | 76  | 73  | 69  | 68  |    |    |
| 5   | 87  | 77  | 70  | 65  | 85  | 76  | 69  | 65  | 74  | 68  | 64  | 72  | 67  | 63  | 71  | 66  | 63  | 61  |    |    |
| 6   | 81  | 71  | 63  | 58  | 79  | 70  | 63  | 58  | 68  | 62  | 58  | 67  | 61  | 57  | 65  | 60  | 57  | 55  |    |    |
| 7   | 76  | 65  | 58  | 53  | 74  | 64  | 57  | 52  | 63  | 57  | 52  | 61  | 56  | 52  | 60  | 55  | 52  | 50  |    |    |
| 8   | 71  | 60  | 52  | 48  | 70  | 59  | 52  | 47  | 58  | 52  | 47  | 57  | 51  | 47  | 56  | 51  | 47  | 45  |    |    |
| 9   | 66  | 55  | 48  | 43  | 65  | 54  | 48  | 43  | 53  | 47  | 43  | 52  | 47  | 43  | 51  | 46  | 42  | 41  |    |    |
| 10  | 62  | 51  | 44  | 39  | 61  | 50  | 44  | 39  | 49  | 43  | 39  | 48  | 43  | 39  | 48  | 42  | 39  | 37  |    |    |

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

|     | 0°      | 45°    | 90°  | 135° | 180° |
|-----|---------|--------|------|------|------|
| 0°  | 7763    | 7763   | 7763 | 7763 | 7763 |
| 5°  | 19480   | 14396  | 7286 | 3720 | 2884 |
| 10° | 85191   | 24515  | 5990 | 1715 | 1202 |
| 15° | 405042  | 66062  | 4200 | 704  | 522  |
| 20° | 779728  | 105803 | 2684 | 187  | 187  |
| 25° | 949627  | 106724 | 1500 | 0    | 0    |
| 30° | 1044085 | 81658  | 582  | 0    | 0    |
| 35° | 1006148 | 51932  | 214  | 0    | 0    |
| 40° | 751780  | 22471  | 0    | 0    | 229  |
| 45° | 278323  | 5954   | 248  | 248  | 713  |
| 50° | 32818   | 785    | 512  | 512  | 1058 |
| 55° | 3250    | 0      | 573  | 879  | 1453 |
| 60° | 351     | 0      | 1009 | 1360 | 1667 |
| 65° | 415     | 415    | 1608 | 1972 | 2387 |
| 70° | 513     | 513    | 1988 | 1988 | 2949 |
| 75° | 678     | 678    | 1949 | 1949 | 2626 |
| 80° | 0       | 1010   | 2904 | 1894 | 2904 |
| 85° | 0       | 2013   | 5787 | 2013 | 2013 |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 278323 cd/sqm

TEST NUMBER: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.1    | 0.6       |
| 10°-20°   | 96.2   | 11.7      |
| 20°-30°   | 301.9  | 36.6      |
| 30°-40°   | 317.8  | 38.5      |
| 40°-50°   | 93.4   | 11.3      |
| 50°-60°   | 5.0    | 0.6       |
| 60°-70°   | 2.4    | 0.3       |
| 70°-80°   | 2.1    | 0.3       |
| 80°-90°   | 1.1    | 0.1       |
| 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°    | 403.2  | 48.9      |
| 0°-40°    | 721.0  | 87.4      |
| 0°-60°    | 819.4  | 99.3      |
| 0°-90°    | 825.0  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 825.0  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0°  | 35   | 35  | 35  | 35   | 35   |      |
| 5°  | 88   | 65  | 33  | 17   | 13   | 16   |
| 15° | 1784 | 291 | 18  | 3    | 2    | 562  |
| 25° | 3925 | 441 | 6   | 0    | 0    | 1800 |
| 35° | 3759 | 194 | 1   | 0    | 0    | 2268 |
| 45° | 898  | 19  | 1   | 1    | 2    | 816  |
| 55° | 8    | 0   | 2   | 2    | 4    | 22   |
| 65° | 1    | 1   | 3   | 4    | 5    | 1    |
| 75° | 1    | 1   | 2   | 2    | 3    | 1    |
| 85° | 0    | 1   | 2   | 1    | 1    | 0    |
| 90° | 0    | 0   | 0   | 0    | 0    |      |

TEST NUMBER: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 45°   | 67.5° | 90°  | 112.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|--------|
| 0°    | 35.4   | 35.4   | 35.4   | 35.4   | 35.4   | 35.4   | 35.4   | 35.4  | 35.4  | 35.4 | 35.4   |
| 2.5°  | 54.7   | 55.4   | 53.1   | 54.7   | 53.1   | 52.3   | 51.6   | 47.7  | 41.6  | 35.4 | 29.2   |
| 5°    | 88.5   | 88.5   | 84.7   | 83.9   | 82.4   | 79.3   | 76.2   | 65.4  | 47.0  | 33.1 | 23.1   |
| 7.5°  | 138.6  | 137.8  | 136.2  | 132.4  | 124.7  | 117.0  | 109.3  | 85.4  | 51.6  | 30.8 | 17.7   |
| 10°   | 382.6  | 377.2  | 370.2  | 328.7  | 281.7  | 240.2  | 204.0  | 110.1 | 55.4  | 26.9 | 13.1   |
| 12.5° | 950.6  | 919.8  | 846.7  | 763.6  | 657.4  | 545.7  | 436.4  | 179.3 | 57.0  | 22.3 | 9.2    |
| 15°   | 1784.2 | 1720.4 | 1606.4 | 1440.2 | 1223.1 | 979.1  | 771.3  | 291.0 | 55.4  | 18.5 | 6.9    |
| 17.5° | 2694.1 | 2632.5 | 2474.7 | 2222.2 | 1902.8 | 1527.9 | 1160.0 | 385.6 | 51.6  | 15.4 | 4.6    |
| 20°   | 3341.4 | 3276.0 | 3128.2 | 2860.3 | 2514.7 | 2015.2 | 1527.2 | 453.4 | 48.5  | 11.5 | 2.3    |
| 21°   | 3530.8 | 3465.3 | 3309.1 | 3050.5 | 2687.1 | 2186.0 | 1644.9 | 464.9 | 46.2  | 10.0 | 1.5    |
| 22°   | 3650.9 | 3612.4 | 3444.6 | 3193.6 | 2823.4 | 2323.1 | 1745.8 | 470.3 | 44.6  | 9.2  | 1.5    |
| 23°   | 3771.7 | 3714.0 | 3556.9 | 3292.2 | 2927.3 | 2424.7 | 1820.4 | 466.5 | 43.1  | 7.7  | 0.8    |
| 24°   | 3861.0 | 3812.5 | 3630.1 | 3368.4 | 2999.7 | 2487.0 | 1864.3 | 456.5 | 40.8  | 6.9  | 0.8    |
| 25°   | 3924.9 | 3880.2 | 3690.1 | 3419.9 | 3048.2 | 2520.9 | 1878.2 | 441.1 | 38.5  | 6.2  | 0.8    |
| 26°   | 3985.7 | 3937.2 | 3740.1 | 3450.0 | 3073.6 | 2531.7 | 1865.1 | 424.1 | 36.2  | 5.4  | 0.0    |
| 27°   | 4029.6 | 3980.3 | 3774.8 | 3467.7 | 3075.1 | 2518.6 | 1829.7 | 401.0 | 33.9  | 4.6  | 0.0    |
| 28°   | 4076.5 | 4019.6 | 3798.6 | 3477.7 | 3065.9 | 2487.8 | 1778.9 | 376.4 | 32.3  | 3.8  | 0.0    |
| 29°   | 4105.0 | 4051.1 | 3823.3 | 3488.4 | 3046.6 | 2436.2 | 1705.0 | 347.2 | 28.5  | 2.3  | 0.0    |
| 30°   | 4123.5 | 4059.6 | 3821.0 | 3476.9 | 3021.2 | 2380.8 | 1616.4 | 322.5 | 24.6  | 2.3  | 0.0    |
| 31°   | 4108.1 | 4041.1 | 3796.3 | 3444.6 | 2980.4 | 2308.4 | 1525.6 | 291.7 | 20.0  | 1.5  | 0.0    |
| 32°   | 4075.0 | 3995.7 | 3753.2 | 3388.4 | 2907.3 | 2215.3 | 1431.7 | 266.3 | 14.6  | 1.5  | 0.0    |
| 33°   | 3994.2 | 3927.2 | 3675.5 | 3312.9 | 2811.8 | 2089.1 | 1309.3 | 241.7 | 10.0  | 0.8  | 0.0    |
| 34°   | 3892.6 | 3825.6 | 3569.3 | 3212.1 | 2684.1 | 1925.9 | 1160.8 | 216.3 | 8.5   | 0.8  | 0.0    |
| 35°   | 3758.6 | 3692.4 | 3449.2 | 3071.2 | 2514.7 | 1729.6 | 1007.6 | 194.0 | 6.9   | 0.8  | 0.0    |
| 36°   | 3617.8 | 3530.0 | 3297.5 | 2921.1 | 2287.7 | 1506.4 | 843.6  | 168.6 | 5.4   | 0.8  | 0.0    |
| 37°   | 3410.7 | 3351.4 | 3093.6 | 2692.5 | 2042.1 | 1292.4 | 724.3  | 145.5 | 3.8   | 0.8  | 0.0    |
| 38°   | 3195.9 | 3141.3 | 2889.6 | 2462.4 | 1768.1 | 1080.7 | 606.6  | 123.2 | 3.1   | 0.0  | 0.0    |
| 39°   | 2974.3 | 2883.4 | 2634.8 | 2167.6 | 1481.0 | 905.2  | 510.3  | 103.1 | 1.5   | 0.0  | 0.0    |
| 40°   | 2626.3 | 2557.1 | 2291.5 | 1813.5 | 1225.4 | 733.6  | 434.9  | 78.5  | 1.5   | 0.0  | 0.0    |
| 42.5° | 1741.1 | 1676.5 | 1397.8 | 983.7  | 651.2  | 428.7  | 287.1  | 30.8  | 0.0   | 0.8  | 0.0    |
| 45°   | 897.5  | 856.7  | 695.8  | 515.0  | 369.5  | 263.2  | 184.7  | 19.2  | 0.0   | 0.8  | 0.8    |
| 47.5° | 356.4  | 349.5  | 315.6  | 272.5  | 210.1  | 156.3  | 100.8  | 8.5   | 0.0   | 0.8  | 0.8    |
| 50°   | 96.2   | 97.0   | 90.8   | 83.9   | 76.2   | 71.6   | 42.3   | 2.3   | 0.0   | 1.5  | 0.8    |
| 52.5° | 40.8   | 41.6   | 40.0   | 37.7   | 33.9   | 25.4   | 16.9   | 0.8   | 0.8   | 1.5  | 1.5    |
| 55°   | 8.5    | 9.2    | 10.0   | 10.8   | 12.3   | 10.8   | 6.9    | 0.0   | 0.8   | 1.5  | 1.5    |
| 57.5° | 1.5    | 1.5    | 1.5    | 1.5    | 2.3    | 2.3    | 1.5    | 0.0   | 0.8   | 1.5  | 2.3    |
| 60°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.0    | 0.0    | 0.0   | 1.5   | 2.3  | 2.3    |
| 62.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.5   | 2.3  | 3.1    |
| 65°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 1.5   | 3.1  | 3.1    |
| 67.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.3   | 3.1  | 3.1    |
| 70°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.3   | 3.1  | 3.1    |
| 72.5° | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.3   | 3.1  | 2.3    |
| 75°   | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8    | 0.8   | 2.3   | 2.3  | 2.3    |
| 77.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 0.8   | 1.5   | 2.3  | 2.3    |
| 80°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 0.8    | 0.8   | 1.5   | 2.3  | 1.5    |



TEST NUMBER: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 45° | 67.5° | 90° | 112.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-------|-----|--------|
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 1.5   | 2.3 | 1.5    |
| 85°   | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.5   | 2.3 | 1.5    |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.5   | 2.3 | 1.5    |
| 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: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 0°    | 35.4 | 35.4   | 35.4 |
| 2.5°  | 24.6 | 22.3   | 21.6 |
| 5°    | 16.9 | 14.6   | 13.1 |
| 7.5°  | 11.5 | 9.2    | 8.5  |
| 10°   | 7.7  | 6.2    | 5.4  |
| 12.5° | 5.4  | 3.1    | 3.1  |
| 15°   | 3.1  | 2.3    | 2.3  |
| 17.5° | 1.5  | 0.8    | 0.8  |
| 20°   | 0.8  | 0.8    | 0.8  |
| 21°   | 0.0  | 0.0    | 0.0  |
| 22°   | 0.0  | 0.0    | 0.0  |
| 23°   | 0.0  | 0.0    | 0.0  |
| 24°   | 0.0  | 0.0    | 0.0  |
| 25°   | 0.0  | 0.0    | 0.0  |
| 26°   | 0.0  | 0.0    | 0.0  |
| 27°   | 0.0  | 0.0    | 0.0  |
| 28°   | 0.0  | 0.0    | 0.0  |
| 29°   | 0.0  | 0.0    | 0.0  |
| 30°   | 0.0  | 0.0    | 0.0  |
| 31°   | 0.0  | 0.0    | 0.0  |
| 32°   | 0.0  | 0.0    | 0.0  |
| 33°   | 0.0  | 0.0    | 0.0  |
| 34°   | 0.0  | 0.0    | 0.0  |
| 35°   | 0.0  | 0.0    | 0.0  |
| 36°   | 0.0  | 0.0    | 0.0  |
| 37°   | 0.0  | 0.0    | 0.0  |
| 38°   | 0.0  | 0.0    | 0.8  |
| 39°   | 0.0  | 0.8    | 0.8  |
| 40°   | 0.0  | 0.8    | 0.8  |
| 42.5° | 0.0  | 0.8    | 1.5  |
| 45°   | 0.8  | 1.5    | 2.3  |
| 47.5° | 1.5  | 2.3    | 3.1  |
| 50°   | 1.5  | 3.1    | 3.1  |
| 52.5° | 2.3  | 3.1    | 3.8  |
| 55°   | 2.3  | 3.8    | 3.8  |
| 57.5° | 3.1  | 3.8    | 4.6  |
| 60°   | 3.1  | 3.8    | 3.8  |
| 62.5° | 3.1  | 4.6    | 4.6  |
| 65°   | 3.8  | 4.6    | 4.6  |
| 67.5° | 3.8  | 4.6    | 4.6  |
| 70°   | 3.1  | 3.8    | 4.6  |
| 72.5° | 3.1  | 3.8    | 3.8  |
| 75°   | 2.3  | 3.1    | 3.1  |
| 77.5° | 2.3  | 2.3    | 3.1  |
| 80°   | 1.5  | 2.3    | 2.3  |





TEST NUMBER: P1344682

CATALOG NUMBER: P3A13R25B2750DE010 E3CA301MW\_4000K

**CANDELA DISTRIBUTION (continued):**

|       | 135° | 157.5° | 180° |
|-------|------|--------|------|
| 82.5° | 1.5  | 1.5    | 1.5  |
| 85°   | 0.8  | 0.8    | 0.8  |
| 87.5° | 0.8  | 0.8    | 0.8  |
| 90°   | 0.0  | 0.0    | 0.0  |

(END OF REPORT)