

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: IRiS

Report Number: P106568

Luminaire Tested: **P3LED09FL40840-E3LWWH**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P106568  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P13686)  
Test Lab: PEACHTREE CITY  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: IRiS  
Catalog Number: P3LED09FL40840-E3LWWH  
Description: IRIS 3 INCH LED LENSED WALL WASH FIXTURE WITH  
SEMI SPECULAR CLEAR OPTICAL ELEMENT  
AND 40 DEGREE PRIMARY OPTIC, 20 DEGREE AIMING ANGLE  
Light Source: (1) 4000K 80CRI LED  
Ballast/Driver: (1) 340mA ELECTRONIC DRIVER

**Summary**

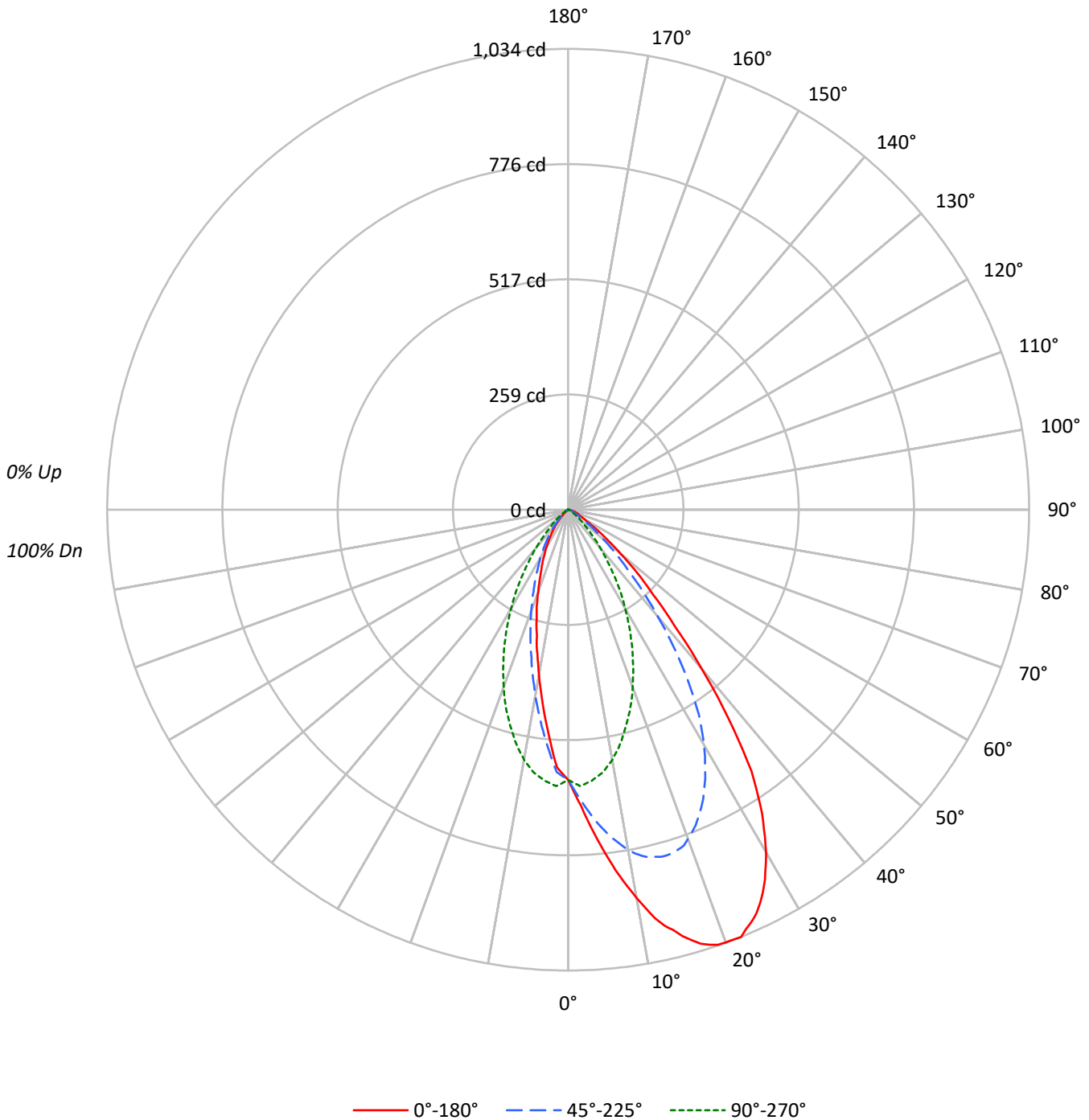
Lumens per Lamp: N/A  
Luminaire Lumens: 721.8 lumens  
Efficiency: N/A  
Efficacy: 50.5 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 0.82 / 0.99  
Luminous Opening: Circular (Dia: 0.29' x H: 0')  
CIE Type: Direct

Input Watts (W): 14.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: 25 FT



TEST NUMBER: P106568  
CATALOG NUMBER: P3LED09FL40840-E3LWWH

### Luminous Intensity Polar Plot





TEST NUMBER: P106568

CATALOG NUMBER: P3LED09FL40840-E3LWWH

**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 | 50 | 30 | 10  | 0 |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |   |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    | 100 |   |  |   |
| 1   | 113 | 110 | 107 | 105 | 110 | 108 | 105 | 103 | 103 | 102 | 100 | 100 | 98  | 97  | 96  | 95  | 94  | 92  |    |    |    |    | 92  |   |  |   |
| 2   | 106 | 101 | 96  | 93  | 104 | 99  | 95  | 92  | 96  | 93  | 90  | 93  | 90  | 88  | 90  | 88  | 86  | 84  |    |    |    |    | 84  |   |  |   |
| 3   | 100 | 93  | 88  | 83  | 98  | 92  | 87  | 82  | 89  | 85  | 81  | 86  | 83  | 80  | 84  | 81  | 79  | 77  |    |    |    |    | 77  |   |  |   |
| 4   | 94  | 86  | 80  | 75  | 93  | 85  | 79  | 75  | 83  | 78  | 74  | 81  | 76  | 73  | 79  | 75  | 72  | 70  |    |    |    |    | 70  |   |  |   |
| 5   | 89  | 80  | 73  | 68  | 87  | 79  | 73  | 68  | 77  | 72  | 67  | 75  | 70  | 67  | 73  | 69  | 66  | 65  |    |    |    |    | 65  |   |  |   |
| 6   | 84  | 74  | 67  | 63  | 82  | 73  | 67  | 62  | 72  | 66  | 62  | 70  | 65  | 61  | 69  | 64  | 61  | 59  |    |    |    |    | 59  |   |  |   |
| 7   | 79  | 69  | 62  | 58  | 78  | 68  | 62  | 57  | 67  | 61  | 57  | 66  | 61  | 57  | 64  | 60  | 56  | 55  |    |    |    |    | 55  |   |  |   |
| 8   | 75  | 64  | 58  | 53  | 74  | 64  | 58  | 53  | 63  | 57  | 53  | 62  | 56  | 53  | 61  | 56  | 52  | 51  |    |    |    |    | 51  |   |  |   |
| 9   | 71  | 60  | 54  | 49  | 70  | 60  | 54  | 49  | 59  | 53  | 49  | 58  | 53  | 49  | 57  | 52  | 49  | 47  |    |    |    |    | 47  |   |  |   |
| 10  | 67  | 57  | 50  | 46  | 66  | 56  | 50  | 46  | 55  | 50  | 46  | 54  | 49  | 46  | 54  | 49  | 46  | 44  |    |    |    |    | 44  |   |  |   |

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

|     | 0°     | 90°   | 180°  |
|-----|--------|-------|-------|
| 0°  | 97629  | 97629 | 97629 |
| 5°  | 119769 | 98649 | 81652 |
| 10° | 144776 | 93197 | 61706 |
| 15° | 165136 | 83710 | 45866 |
| 20° | 177152 | 72418 | 33843 |
| 25° | 177563 | 60242 | 24797 |
| 30° | 165173 | 47511 | 18082 |
| 35° | 141013 | 34968 | 12744 |
| 40° | 97919  | 23765 | 8265  |
| 45° | 61310  | 14103 | 4261  |
| 50° | 38648  | 8622  | 2456  |
| 55° | 22611  | 4972  | 1095  |
| 60° | 12985  | 2545  | 644   |
| 65° | 10102  | 2630  | 1487  |
| 70° | 8337   | 942   | 471   |
| 75° | 6723   | 622   | 0     |
| 80° | 5474   | 928   | 0     |
| 85° | 1848   | 0     | 0     |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 58.3   | 8.1       |
| 10°-20°   | 158.9  | 22.0      |
| 20°-30°   | 205.6  | 28.5      |
| 30°-40°   | 172.8  | 23.9      |
| 40°-50°   | 85.0   | 11.8      |
| 50°-60°   | 27.6   | 3.8       |
| 60°-70°   | 9.0    | 1.3       |
| 70°-80°   | 3.8    | 0.5       |
| 80°-90°   | 0.8    | 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°    | 422.8  | 58.6      |
| 0°-40°    | 595.6  | 82.5      |
| 0°-60°    | 708.1  | 98.1      |
| 0°-90°    | 721.8  | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 721.8  | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0°  | 606 | 606 | 606 | 606  | 606  |      |
| 5°  | 741 | 700 | 610 | 532  | 505  | 75   |
| 15° | 990 | 806 | 502 | 324  | 275  | 280  |
| 25° | 999 | 716 | 339 | 176  | 140  | 454  |
| 35° | 717 | 468 | 178 | 82   | 65   | 434  |
| 45° | 269 | 187 | 62  | 26   | 19   | 218  |
| 55° | 80  | 54  | 18  | 7    | 4    | 75   |
| 65° | 26  | 15  | 7   | 2    | 4    | 27   |
| 75° | 11  | 5   | 1   | 1    | 0    | 12   |
| 85° | 1   | 0   | 0   | 0    | 0    | 2    |
| 90° | 0   | 0   | 0   | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°   |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 606.0  | 606.0  | 606.0  | 606.0  | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 |
| 2.5°  | 666.0  | 666.0  | 666.0  | 664.0  | 663.0 | 661.0 | 659.1 | 657.1 | 655.1 | 652.2 | 649.3 |
| 5°    | 740.6  | 741.6  | 739.6  | 737.7  | 732.7 | 727.8 | 721.9 | 716.0 | 708.2 | 700.3 | 693.5 |
| 7.5°  | 816.2  | 814.3  | 811.3  | 806.4  | 800.5 | 790.7 | 780.9 | 768.1 | 755.3 | 741.6 | 725.9 |
| 10°   | 885.0  | 883.0  | 878.1  | 870.3  | 860.4 | 847.7 | 832.0 | 814.3 | 795.6 | 775.0 | 753.4 |
| 11°   | 910.5  | 906.6  | 902.7  | 893.8  | 883.0 | 866.3 | 851.6 | 830.0 | 808.4 | 785.8 | 760.2 |
| 12°   | 937.1  | 932.1  | 927.2  | 916.4  | 902.7 | 885.0 | 867.3 | 843.7 | 819.2 | 793.6 | 766.1 |
| 13°   | 957.7  | 954.7  | 946.9  | 935.1  | 921.3 | 901.7 | 880.1 | 855.5 | 828.0 | 800.5 | 771.1 |
| 14°   | 971.4  | 969.5  | 962.6  | 950.8  | 933.1 | 913.5 | 890.9 | 863.4 | 832.9 | 802.5 | 770.1 |
| 15°   | 990.1  | 988.1  | 980.3  | 966.5  | 949.8 | 927.2 | 901.7 | 872.2 | 839.8 | 806.4 | 771.1 |
| 16°   | 1004.8 | 1002.9 | 994.0  | 982.2  | 958.7 | 935.1 | 908.6 | 875.2 | 841.8 | 806.4 | 768.1 |
| 17°   | 1018.6 | 1015.6 | 1005.8 | 989.1  | 967.5 | 943.9 | 913.5 | 881.1 | 843.7 | 805.4 | 765.2 |
| 18°   | 1026.4 | 1022.5 | 1012.7 | 997.0  | 975.4 | 947.9 | 915.4 | 881.1 | 842.8 | 801.5 | 760.2 |
| 19°   | 1032.3 | 1027.4 | 1016.6 | 999.9  | 977.3 | 947.9 | 914.5 | 877.1 | 836.9 | 796.6 | 752.4 |
| 20°   | 1033.3 | 1030.4 | 1019.6 | 1000.9 | 976.3 | 945.9 | 911.5 | 872.2 | 831.0 | 785.8 | 741.6 |
| 21°   | 1033.3 | 1028.4 | 1016.6 | 997.9  | 972.4 | 941.0 | 904.6 | 864.4 | 820.2 | 775.0 | 730.8 |
| 22°   | 1034.3 | 1024.5 | 1015.6 | 995.0  | 966.5 | 934.1 | 896.8 | 854.5 | 809.4 | 763.2 | 717.0 |
| 23°   | 1021.5 | 1016.6 | 1003.8 | 984.2  | 955.7 | 922.3 | 885.0 | 839.8 | 796.6 | 748.5 | 700.3 |
| 24°   | 1011.7 | 1010.7 | 995.0  | 974.4  | 943.9 | 910.5 | 871.2 | 828.0 | 781.9 | 732.7 | 684.6 |
| 25°   | 998.9  | 994.0  | 980.3  | 958.7  | 930.2 | 894.8 | 855.5 | 810.3 | 764.2 | 716.0 | 666.0 |
| 26°   | 982.2  | 977.3  | 964.6  | 942.0  | 913.5 | 878.1 | 838.8 | 793.6 | 746.5 | 696.4 | 648.3 |
| 27°   | 962.6  | 956.7  | 943.9  | 923.3  | 891.9 | 856.5 | 817.2 | 773.0 | 725.9 | 676.8 | 626.7 |
| 28°   | 940.0  | 935.1  | 921.3  | 898.7  | 869.3 | 834.9 | 794.6 | 749.4 | 703.3 | 654.2 | 605.1 |
| 29°   | 913.5  | 908.6  | 896.8  | 874.2  | 846.7 | 812.3 | 770.1 | 725.9 | 680.7 | 632.6 | 584.4 |
| 30°   | 887.9  | 885.0  | 873.2  | 850.6  | 820.2 | 786.8 | 745.5 | 703.3 | 657.1 | 609.0 | 560.9 |
| 32.5° | 809.4  | 804.4  | 793.6  | 773.0  | 745.5 | 712.1 | 674.8 | 633.5 | 589.3 | 545.1 | 500.0 |
| 35°   | 717.0  | 709.2  | 696.4  | 677.7  | 651.2 | 620.8 | 586.4 | 548.1 | 509.8 | 468.5 | 428.3 |
| 37.5° | 591.3  | 588.4  | 577.6  | 560.9  | 541.2 | 513.7 | 488.2 | 455.8 | 422.4 | 389.0 | 355.6 |
| 40°   | 465.6  | 461.6  | 454.8  | 443.0  | 429.2 | 411.6 | 389.0 | 364.4 | 339.9 | 313.3 | 287.8 |
| 42.5° | 353.6  | 352.6  | 346.7  | 339.9  | 329.0 | 315.3 | 299.6 | 281.9 | 265.2 | 245.6 | 224.9 |
| 45°   | 269.1  | 268.1  | 264.2  | 258.3  | 249.5 | 239.7 | 226.9 | 214.1 | 200.4 | 186.6 | 171.9 |
| 47.5° | 210.2  | 205.3  | 202.3  | 196.4  | 189.6 | 180.7 | 172.9 | 162.1 | 152.2 | 140.5 | 128.7 |
| 50°   | 154.2  | 153.2  | 150.3  | 146.4  | 140.5 | 134.6 | 128.7 | 119.8 | 112.0 | 103.1 | 96.3  |
| 52.5° | 110.0  | 112.0  | 110.0  | 106.1  | 104.1 | 97.2  | 93.3  | 87.4  | 81.5  | 74.6  | 67.8  |
| 55°   | 80.5   | 79.6   | 78.6   | 76.6   | 73.7  | 70.7  | 67.8  | 63.8  | 58.9  | 54.0  | 49.1  |
| 57.5° | 52.1   | 51.1   | 52.1   | 49.1   | 47.1  | 47.1  | 42.2  | 40.3  | 35.4  | 32.4  | 31.4  |
| 60°   | 40.3   | 39.3   | 38.3   | 37.3   | 35.4  | 34.4  | 32.4  | 29.5  | 27.5  | 24.6  | 23.6  |
| 62.5° | 31.4   | 31.4   | 30.4   | 29.5   | 28.5  | 26.5  | 25.5  | 23.6  | 21.6  | 19.6  | 16.7  |
| 65°   | 26.5   | 25.5   | 25.5   | 24.6   | 23.6  | 22.6  | 20.6  | 19.6  | 16.7  | 14.7  | 14.7  |
| 67.5° | 22.6   | 19.6   | 20.6   | 18.7   | 17.7  | 17.7  | 15.7  | 12.8  | 11.8  | 9.8   | 9.8   |
| 70°   | 17.7   | 17.7   | 17.7   | 17.7   | 15.7  | 14.7  | 12.8  | 14.7  | 11.8  | 9.8   | 8.8   |
| 72.5° | 15.7   | 14.7   | 15.7   | 15.7   | 13.8  | 12.8  | 11.8  | 11.8  | 8.8   | 7.9   | 7.9   |
| 75°   | 10.8   | 9.8    | 11.8   | 8.8    | 8.8   | 7.9   | 5.9   | 5.9   | 6.9   | 4.9   | 4.9   |
| 77.5° | 6.9    | 6.9    | 6.9    | 6.9    | 5.9   | 5.9   | 5.9   | 3.9   | 3.9   | 2.9   | 2.0   |
| 80°   | 5.9    | 5.9    | 6.9    | 4.9    | 4.9   | 4.9   | 3.9   | 4.9   | 2.9   | 2.9   | 2.9   |



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**CANDELA DISTRIBUTION (continued):**

|       | 0°  | 5°  | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 82.5° | 2.0 | 2.9 | 2.9 | 2.0 | 2.9 | 2.9 | 2.0 | 2.0 | 1.0 | 1.0 | 2.0 |
| 85°   | 1.0 | 2.0 | 1.0 | 0.0 | 2.9 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 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):**

|       | 55°   | 60°   | 65°   | 70°   | 75°   | 80°   | 85°   | 90°   | 112.5° | 135°  | 157.5° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|
| 0°    | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0 | 606.0  | 606.0 | 606.0  |
| 2.5°  | 646.3 | 642.4 | 639.4 | 636.5 | 631.6 | 627.6 | 624.7 | 620.8 | 604.1  | 589.3 | 580.5  |
| 5°    | 682.7 | 672.8 | 663.0 | 651.2 | 642.4 | 631.6 | 620.8 | 610.0 | 566.7  | 532.4 | 511.7  |
| 7.5°  | 711.1 | 693.5 | 676.8 | 661.0 | 644.3 | 626.7 | 609.0 | 594.3 | 526.5  | 477.4 | 448.9  |
| 10°   | 730.8 | 706.2 | 683.6 | 660.1 | 636.5 | 612.9 | 590.3 | 569.7 | 484.2  | 423.3 | 388.0  |
| 11°   | 734.7 | 708.2 | 682.7 | 656.1 | 630.6 | 606.0 | 580.5 | 556.9 | 465.6  | 401.7 | 366.4  |
| 12°   | 738.6 | 710.2 | 681.7 | 652.2 | 623.7 | 596.2 | 571.7 | 545.1 | 448.9  | 382.1 | 344.8  |
| 13°   | 739.6 | 708.2 | 677.7 | 646.3 | 616.8 | 586.4 | 558.9 | 531.4 | 430.2  | 362.4 | 324.1  |
| 14°   | 735.7 | 702.3 | 668.9 | 635.5 | 605.1 | 573.6 | 543.2 | 515.7 | 409.6  | 340.8 | 302.5  |
| 15°   | 735.7 | 698.4 | 665.0 | 628.6 | 596.2 | 562.8 | 531.4 | 501.9 | 393.9  | 324.1 | 286.8  |
| 16°   | 730.8 | 692.5 | 656.1 | 619.8 | 583.4 | 549.1 | 515.7 | 486.2 | 375.2  | 307.4 | 270.1  |
| 17°   | 724.9 | 685.6 | 648.3 | 610.0 | 572.6 | 535.3 | 502.9 | 472.5 | 358.5  | 289.8 | 254.4  |
| 18°   | 718.0 | 676.8 | 636.5 | 597.2 | 557.9 | 521.6 | 488.2 | 456.7 | 342.8  | 274.0 | 236.7  |
| 19°   | 708.2 | 663.0 | 622.7 | 582.5 | 544.2 | 505.9 | 472.5 | 441.0 | 327.1  | 257.3 | 222.0  |
| 20°   | 696.4 | 652.2 | 610.0 | 566.7 | 527.5 | 490.1 | 455.8 | 422.4 | 309.4  | 241.6 | 207.3  |
| 21°   | 684.6 | 636.5 | 593.3 | 550.1 | 510.8 | 472.5 | 438.1 | 405.7 | 292.7  | 226.9 | 194.5  |
| 22°   | 668.9 | 622.7 | 578.5 | 535.3 | 495.0 | 456.7 | 423.3 | 389.9 | 278.0  | 214.1 | 181.7  |
| 23°   | 652.2 | 604.1 | 560.9 | 518.6 | 477.4 | 438.1 | 403.7 | 371.3 | 260.3  | 199.4 | 168.9  |
| 24°   | 635.5 | 588.4 | 542.2 | 500.0 | 458.7 | 422.4 | 388.0 | 355.6 | 247.5  | 186.6 | 157.2  |
| 25°   | 618.8 | 569.7 | 526.5 | 482.3 | 441.0 | 404.7 | 370.3 | 338.9 | 232.8  | 175.8 | 146.4  |
| 26°   | 600.1 | 550.1 | 507.8 | 464.6 | 423.3 | 387.0 | 353.6 | 321.2 | 220.0  | 164.0 | 138.5  |
| 27°   | 578.5 | 530.4 | 488.2 | 444.0 | 405.7 | 367.4 | 335.9 | 305.5 | 205.3  | 152.2 | 128.7  |
| 28°   | 557.9 | 511.7 | 467.5 | 424.3 | 387.0 | 349.7 | 318.2 | 287.8 | 192.5  | 142.4 | 118.9  |
| 29°   | 539.2 | 491.1 | 447.9 | 407.6 | 367.4 | 332.0 | 300.6 | 272.1 | 179.7  | 132.6 | 111.0  |
| 30°   | 515.7 | 469.5 | 427.3 | 387.0 | 349.7 | 315.3 | 282.9 | 255.4 | 168.0  | 124.7 | 104.1  |
| 32.5° | 455.8 | 412.5 | 372.3 | 334.9 | 300.6 | 267.2 | 240.6 | 217.1 | 139.5  | 102.2 | 85.5   |
| 35°   | 387.0 | 348.7 | 316.3 | 282.9 | 251.5 | 223.9 | 199.4 | 177.8 | 111.0  | 82.5  | 68.8   |
| 37.5° | 323.2 | 289.8 | 260.3 | 231.8 | 205.3 | 181.7 | 161.1 | 142.4 | 87.4   | 64.8  | 53.0   |
| 40°   | 262.3 | 234.8 | 209.2 | 186.6 | 166.0 | 144.4 | 127.7 | 113.0 | 67.8   | 51.1  | 43.2   |
| 42.5° | 204.3 | 183.7 | 164.0 | 144.4 | 126.7 | 111.0 | 96.3  | 84.5  | 52.1   | 37.3  | 31.4   |
| 45°   | 156.2 | 139.5 | 123.8 | 110.0 | 94.3  | 81.5  | 70.7  | 61.9  | 38.3   | 26.5  | 20.6   |
| 47.5° | 116.9 | 104.1 | 94.3  | 81.5  | 71.7  | 61.9  | 54.0  | 46.2  | 29.5   | 20.6  | 14.7   |
| 50°   | 85.5  | 77.6  | 67.8  | 58.0  | 50.1  | 44.2  | 39.3  | 34.4  | 21.6   | 12.8  | 7.9    |
| 52.5° | 60.9  | 53.0  | 48.1  | 43.2  | 36.3  | 31.4  | 26.5  | 23.6  | 14.7   | 7.9   | 7.9    |
| 55°   | 43.2  | 38.3  | 34.4  | 30.4  | 24.6  | 21.6  | 19.6  | 17.7  | 10.8   | 6.9   | 4.9    |
| 57.5° | 25.5  | 22.6  | 17.7  | 14.7  | 12.8  | 11.8  | 9.8   | 7.9   | 2.0    | 0.0   | 0.0    |
| 60°   | 20.6  | 17.7  | 16.7  | 13.8  | 11.8  | 10.8  | 9.8   | 7.9   | 4.9    | 2.9   | 2.9    |
| 62.5° | 15.7  | 13.8  | 12.8  | 11.8  | 10.8  | 9.8   | 8.8   | 6.9   | 3.9    | 2.9   | 2.9    |
| 65°   | 12.8  | 11.8  | 9.8   | 8.8   | 7.9   | 6.9   | 4.9   | 6.9   | 2.9    | 2.0   | 1.0    |
| 67.5° | 7.9   | 4.9   | 4.9   | 3.9   | 2.9   | 2.9   | 2.9   | 1.0   | 0.0    | 0.0   | 0.0    |
| 70°   | 7.9   | 6.9   | 7.9   | 4.9   | 4.9   | 3.9   | 2.9   | 2.0   | 2.0    | 0.0   | 0.0    |
| 72.5° | 5.9   | 4.9   | 5.9   | 3.9   | 3.9   | 2.9   | 2.9   | 2.0   | 1.0    | 2.0   | 2.0    |
| 75°   | 4.9   | 3.9   | 3.9   | 2.0   | 2.9   | 2.0   | 0.0   | 1.0   | 2.0    | 1.0   | 1.0    |
| 77.5° | 2.9   | 1.0   | 2.0   | 1.0   | 1.0   | 1.0   | 1.0   | 0.0   | 0.0    | 0.0   | 1.0    |
| 80°   | 2.9   | 2.9   | 2.0   | 2.0   | 1.0   | 2.0   | 3.9   | 1.0   | 1.0    | 1.0   | 2.0    |





TEST NUMBER: P106568

CATALOG NUMBER: P3LED09FL40840-E3LWWH

**CANDELA DISTRIBUTION (continued):**

|       | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 112.5° | 135° | 157.5° |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|--------|------|--------|
| 82.5° | 1.0 | 0.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0    | 1.0  | 1.0    |
| 85°   | 2.0 | 0.0 | 0.0 | 2.9 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0    | 0.0  | 1.0    |
| 87.5° | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0    | 0.0  | 0.0    |
| 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: P106568

CATALOG NUMBER: P3LED09FL40840-E3LWWH

**CANDELA DISTRIBUTION (continued):**

|       | 180°  |
|-------|-------|
| 0°    | 606.0 |
| 2.5°  | 578.5 |
| 5°    | 504.9 |
| 7.5°  | 438.1 |
| 10°   | 377.2 |
| 11°   | 353.6 |
| 12°   | 332.0 |
| 13°   | 313.3 |
| 14°   | 290.7 |
| 15°   | 275.0 |
| 16°   | 256.4 |
| 17°   | 241.6 |
| 18°   | 227.9 |
| 19°   | 211.2 |
| 20°   | 197.4 |
| 21°   | 183.7 |
| 22°   | 171.9 |
| 23°   | 159.1 |
| 24°   | 148.3 |
| 25°   | 139.5 |
| 26°   | 130.6 |
| 27°   | 120.8 |
| 28°   | 113.0 |
| 29°   | 105.1 |
| 30°   | 97.2  |
| 32.5° | 79.6  |
| 35°   | 64.8  |
| 37.5° | 50.1  |
| 40°   | 39.3  |
| 42.5° | 28.5  |
| 45°   | 18.7  |
| 47.5° | 13.8  |
| 50°   | 9.8   |
| 52.5° | 4.9   |
| 55°   | 3.9   |
| 57.5° | 0.0   |
| 60°   | 2.0   |
| 62.5° | 2.9   |
| 65°   | 3.9   |
| 67.5° | 0.0   |
| 70°   | 1.0   |
| 72.5° | 1.0   |
| 75°   | 0.0   |
| 77.5° | 0.0   |
| 80°   | 0.0   |



TEST NUMBER: P106568

CATALOG NUMBER: P3LED09FL40840-E3LWWH

**CANDELA DISTRIBUTION (continued):**

|       | 180° |
|-------|------|
| 82.5° | 1.0  |
| 85°   | 0.0  |
| 87.5° | 0.0  |
| 90°   | 0.0  |

(END OF REPORT)