

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P155594

Luminaire Tested: **TLM-F03-LED-E1-T3-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P155594
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-F03-LED-E1-T3-7030
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6975.8 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.97 / 4.22 / 2.62
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

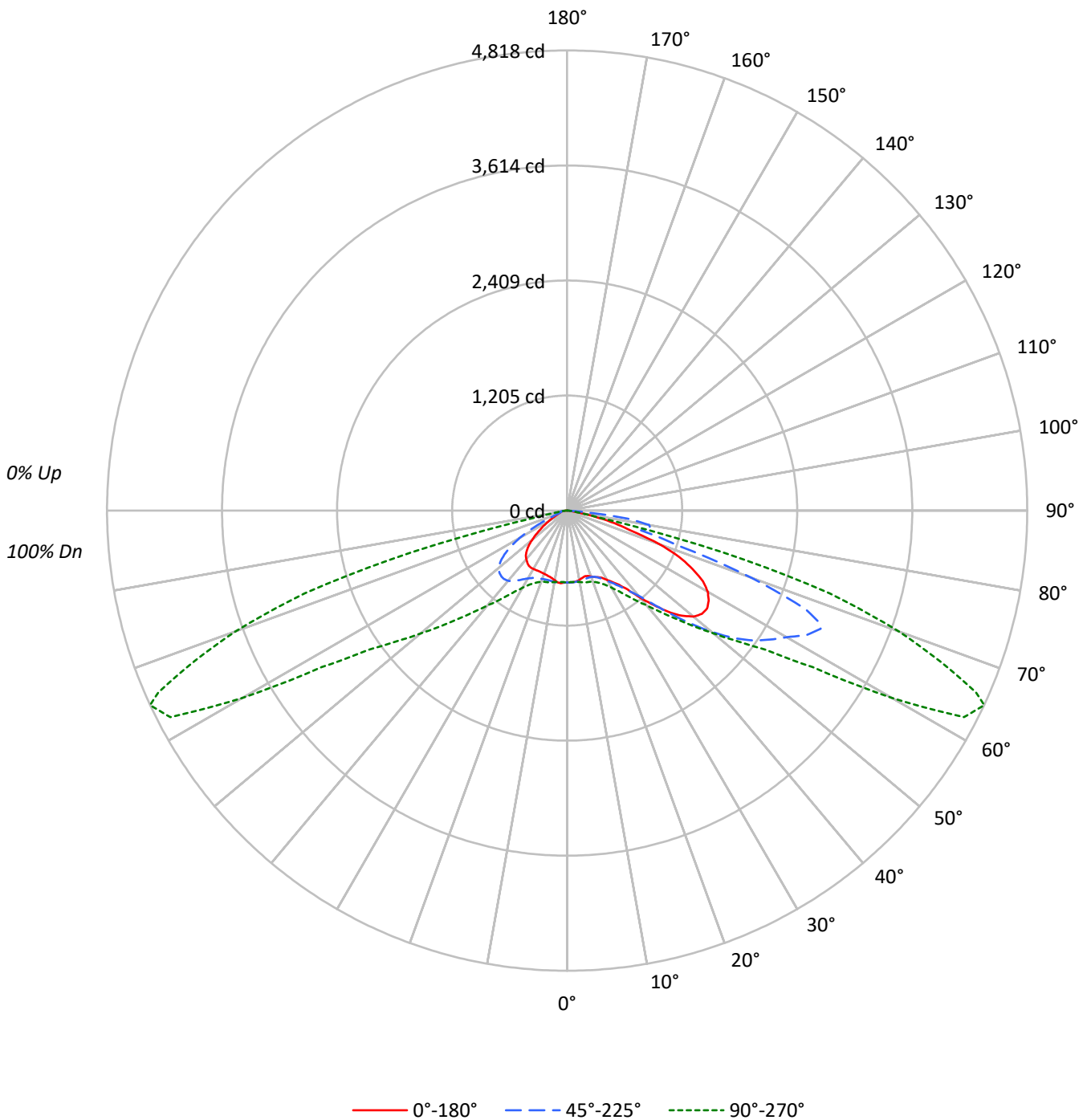
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P155594

CATALOG NUMBER: TLM-F03-LED-E1-T3-7030

Luminous Intensity Polar Plot





TEST NUMBER: P155594

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |
| 1 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 87 | 92 | 88 | 84 | 88 | 85 | 82 | 85 | 82 | 79 | 77 |
| 2 | 92 | 82 | 73 | 65 | 89 | 80 | 71 | 64 | 76 | 69 | 63 | 72 | 66 | 61 | 69 | 64 | 60 | 57 |
| 3 | 81 | 68 | 57 | 49 | 79 | 66 | 56 | 49 | 63 | 55 | 48 | 60 | 53 | 47 | 57 | 51 | 46 | 43 |
| 4 | 73 | 57 | 46 | 38 | 70 | 56 | 46 | 38 | 53 | 44 | 37 | 51 | 43 | 36 | 48 | 41 | 36 | 33 |
| 5 | 65 | 49 | 38 | 30 | 63 | 48 | 38 | 30 | 46 | 37 | 29 | 44 | 35 | 29 | 42 | 34 | 29 | 26 |
| 6 | 59 | 43 | 32 | 24 | 57 | 42 | 32 | 24 | 40 | 31 | 24 | 38 | 30 | 24 | 36 | 29 | 23 | 21 |
| 7 | 54 | 38 | 28 | 20 | 52 | 37 | 27 | 20 | 35 | 27 | 20 | 34 | 26 | 20 | 32 | 25 | 20 | 17 |
| 8 | 50 | 34 | 24 | 17 | 48 | 33 | 24 | 17 | 32 | 23 | 17 | 30 | 23 | 17 | 29 | 22 | 17 | 14 |
| 9 | 46 | 31 | 21 | 15 | 45 | 30 | 21 | 15 | 29 | 20 | 15 | 28 | 20 | 15 | 27 | 20 | 14 | 12 |
| 10 | 43 | 28 | 19 | 13 | 42 | 27 | 19 | 13 | 26 | 18 | 13 | 25 | 18 | 13 | 24 | 18 | 13 | 11 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|--------|-------|
| 0° | 16182 | 16182 | 16182 |
| 5° | 16244 | 16229 | 16488 |
| 10° | 16104 | 16598 | 16203 |
| 15° | 15864 | 17326 | 15964 |
| 20° | 16841 | 18190 | 16117 |
| 25° | 18269 | 19950 | 16620 |
| 30° | 20824 | 23203 | 17562 |
| 35° | 24967 | 28454 | 18467 |
| 40° | 33436 | 36424 | 18688 |
| 45° | 45680 | 48505 | 18294 |
| 50° | 57803 | 66969 | 16086 |
| 55° | 67153 | 95340 | 12791 |
| 60° | 73173 | 168615 | 9705 |
| 65° | 73857 | 245425 | 7335 |
| 70° | 64731 | 232455 | 6124 |
| 75° | 42770 | 140669 | 6272 |
| 80° | 15608 | 14307 | 7389 |
| 85° | 2618 | 9510 | 8201 |



TEST NUMBER: P155594

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 72.0 | 1.0 |
| 10°-20° | 212.5 | 3.0 |
| 20°-30° | 365.2 | 5.2 |
| 30°-40° | 593.0 | 8.5 |
| 40°-50° | 990.0 | 14.2 |
| 50°-60° | 1558.9 | 22.3 |
| 60°-70° | 2125.7 | 30.5 |
| 70°-80° | 920.2 | 13.2 |
| 80°-90° | 138.4 | 2.0 |
| 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° | 649.7 | 9.3 |
| 0°-40° | 1242.7 | 17.8 |
| 0°-60° | 3791.5 | 54.4 |
| 0°-90° | 6975.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 6975.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 752 | 752 | 752 | 752 | 752 | |
| 5° | 752 | 753 | 751 | 760 | 763 | 71 |
| 15° | 712 | 741 | 777 | 755 | 716 | 205 |
| 25° | 769 | 774 | 840 | 780 | 700 | 360 |
| 35° | 950 | 971 | 1083 | 891 | 703 | 615 |
| 45° | 1500 | 1520 | 1593 | 975 | 601 | 1153 |
| 55° | 1789 | 2370 | 2540 | 803 | 341 | 1578 |
| 65° | 1450 | 2929 | 4818 | 282 | 144 | 1408 |
| 75° | 514 | 801 | 1691 | 76 | 75 | 550 |
| 85° | 11 | 178 | 38 | 53 | 33 | 28 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P155594

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 |
| 2.5° | 754.7 | 757.8 | 754.7 | 755.5 | 756.3 | 755.5 | 754.7 | 754.7 | 752.5 | 754.0 | 755.5 |
| 5° | 751.7 | 754.0 | 753.2 | 754.0 | 754.7 | 754.0 | 753.2 | 754.0 | 752.5 | 753.2 | 755.5 |
| 7.5° | 748.0 | 747.2 | 748.0 | 749.5 | 751.0 | 751.0 | 751.0 | 751.7 | 751.0 | 751.0 | 753.2 |
| 10° | 736.7 | 737.4 | 738.9 | 741.2 | 741.9 | 744.2 | 744.2 | 746.5 | 747.2 | 748.7 | 751.7 |
| 12.5° | 722.3 | 723.1 | 724.6 | 726.1 | 729.9 | 733.6 | 733.6 | 738.9 | 741.2 | 744.9 | 750.2 |
| 15° | 711.8 | 712.5 | 714.0 | 715.5 | 718.6 | 722.3 | 724.6 | 730.6 | 734.4 | 741.2 | 748.7 |
| 17.5° | 717.8 | 717.0 | 718.6 | 719.3 | 719.3 | 722.3 | 722.3 | 726.8 | 731.4 | 737.4 | 747.2 |
| 20° | 735.1 | 735.1 | 736.7 | 736.7 | 735.9 | 737.4 | 734.4 | 734.4 | 735.1 | 738.2 | 744.9 |
| 22.5° | 752.5 | 751.7 | 754.7 | 756.3 | 757.0 | 759.3 | 756.3 | 755.5 | 751.7 | 749.5 | 751.7 |
| 25° | 769.1 | 768.3 | 772.1 | 774.4 | 778.1 | 780.4 | 780.4 | 780.4 | 777.4 | 773.6 | 771.3 |
| 27.5° | 794.7 | 794.7 | 798.5 | 800.7 | 803.8 | 808.3 | 810.5 | 810.5 | 811.3 | 806.0 | 802.2 |
| 30° | 837.7 | 838.4 | 839.2 | 842.2 | 845.2 | 846.7 | 849.8 | 852.0 | 854.3 | 851.3 | 845.2 |
| 32.5° | 889.0 | 884.4 | 884.4 | 889.0 | 892.7 | 897.3 | 898.8 | 901.8 | 906.3 | 904.0 | 903.3 |
| 35° | 950.0 | 948.5 | 947.0 | 948.5 | 953.0 | 958.3 | 964.4 | 969.6 | 966.6 | 971.1 | 968.9 |
| 37.5° | 1040.5 | 1042.0 | 1042.8 | 1042.8 | 1042.0 | 1043.5 | 1046.5 | 1051.8 | 1050.3 | 1051.8 | 1054.8 |
| 40° | 1189.8 | 1184.5 | 1179.2 | 1180.0 | 1172.5 | 1174.0 | 1161.9 | 1167.2 | 1167.9 | 1162.7 | 1164.9 |
| 42.5° | 1339.1 | 1342.1 | 1344.4 | 1350.4 | 1345.1 | 1342.1 | 1330.8 | 1330.8 | 1324.8 | 1319.5 | 1318.0 |
| 45° | 1500.4 | 1506.5 | 1507.2 | 1519.3 | 1514.8 | 1524.6 | 1532.9 | 1530.6 | 1520.8 | 1520.1 | 1509.5 |
| 47.5° | 1629.4 | 1639.2 | 1649.7 | 1664.1 | 1675.4 | 1697.2 | 1722.9 | 1735.7 | 1743.2 | 1749.3 | 1737.2 |
| 50° | 1725.9 | 1730.4 | 1757.6 | 1780.2 | 1805.1 | 1841.3 | 1876.7 | 1922.7 | 1959.6 | 1977.0 | 1993.6 |
| 52.5° | 1777.9 | 1789.2 | 1818.6 | 1854.1 | 1897.8 | 1952.1 | 2009.4 | 2082.5 | 2145.9 | 2188.1 | 2225.8 |
| 55° | 1789.2 | 1800.5 | 1833.7 | 1879.0 | 1938.5 | 2011.7 | 2093.8 | 2193.4 | 2288.4 | 2369.8 | 2449.0 |
| 57.5° | 1757.6 | 1770.4 | 1805.8 | 1857.8 | 1928.0 | 2016.9 | 2120.2 | 2250.7 | 2381.9 | 2513.8 | 2630.7 |
| 60° | 1699.5 | 1715.3 | 1747.8 | 1799.0 | 1876.7 | 1977.0 | 2100.6 | 2264.2 | 2448.2 | 2650.3 | 2874.2 |
| 62.5° | 1603.7 | 1620.3 | 1650.5 | 1707.0 | 1787.0 | 1897.8 | 2041.1 | 2244.6 | 2504.8 | 2823.0 | 3220.3 |
| 65° | 1449.9 | 1457.5 | 1494.4 | 1551.7 | 1622.6 | 1744.7 | 1902.3 | 2148.1 | 2486.7 | 2929.3 | 3476.7 |
| 66° | 1380.6 | 1393.4 | 1416.0 | 1462.0 | 1529.9 | 1644.5 | 1802.8 | 2052.4 | 2418.1 | 2892.3 | 3469.9 |
| 67.5° | 1272.0 | 1281.8 | 1296.9 | 1327.8 | 1369.3 | 1453.7 | 1603.7 | 1839.7 | 2208.4 | 2705.3 | 3325.9 |
| 70° | 1028.4 | 1033.0 | 1053.3 | 1063.9 | 1078.2 | 1106.1 | 1160.4 | 1296.1 | 1583.4 | 2050.1 | 2684.2 |
| 72.5° | 701.2 | 714.0 | 735.9 | 766.1 | 805.3 | 843.0 | 868.6 | 885.9 | 947.8 | 1223.0 | 1788.5 |
| 75° | 514.2 | 527.8 | 555.7 | 595.7 | 664.3 | 742.7 | 824.1 | 861.8 | 836.2 | 800.7 | 996.0 |
| 77.5° | 298.6 | 316.7 | 340.1 | 378.5 | 441.8 | 545.9 | 685.4 | 809.0 | 892.7 | 898.0 | 852.8 |
| 80° | 125.9 | 128.2 | 142.5 | 162.1 | 201.3 | 274.5 | 383.0 | 561.0 | 746.5 | 871.6 | 901.0 |
| 82.5° | 28.7 | 35.4 | 45.2 | 53.5 | 65.6 | 90.5 | 134.2 | 223.2 | 403.4 | 632.6 | 824.9 |
| 85° | 10.6 | 10.6 | 14.3 | 21.1 | 24.1 | 27.1 | 35.4 | 56.5 | 96.5 | 177.9 | 371.0 |
| 87.5° | 0.0 | 0.8 | 1.5 | 1.5 | 3.0 | 3.8 | 6.0 | 8.3 | 7.5 | 6.8 | 22.6 |
| 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: P155594

CATALOG NUMBER: TLM-F03-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 67.5° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 |
| 2.5° | 754.0 | 753.2 | 751.7 | 751.7 | 751.7 | 751.7 | 750.2 | 751.0 | 749.5 | 750.2 | 750.2 |
| 5° | 753.2 | 753.2 | 752.5 | 751.0 | 751.7 | 751.7 | 752.5 | 751.0 | 751.0 | 751.7 | 751.0 |
| 7.5° | 753.2 | 752.5 | 752.5 | 752.5 | 753.2 | 752.5 | 753.2 | 753.2 | 753.2 | 754.0 | 754.0 |
| 10° | 753.2 | 753.2 | 754.7 | 755.5 | 755.5 | 756.3 | 758.5 | 758.5 | 759.3 | 760.0 | 761.5 |
| 12.5° | 754.0 | 757.0 | 759.3 | 761.5 | 762.3 | 763.8 | 767.6 | 767.6 | 769.1 | 771.3 | 772.1 |
| 15° | 754.7 | 759.3 | 763.8 | 765.3 | 766.8 | 769.8 | 773.6 | 775.1 | 777.4 | 779.6 | 781.1 |
| 17.5° | 754.0 | 760.0 | 765.3 | 767.6 | 769.8 | 773.6 | 778.1 | 779.6 | 782.6 | 785.7 | 788.7 |
| 20° | 753.2 | 761.5 | 769.8 | 772.8 | 775.9 | 781.1 | 787.2 | 790.9 | 794.0 | 798.5 | 801.5 |
| 22.5° | 757.8 | 767.6 | 778.9 | 783.4 | 788.7 | 795.5 | 803.8 | 808.3 | 812.1 | 816.6 | 818.8 |
| 25° | 772.1 | 779.6 | 793.2 | 800.7 | 807.5 | 818.8 | 830.1 | 835.4 | 839.9 | 843.7 | 844.5 |
| 27.5° | 796.2 | 798.5 | 815.1 | 824.9 | 834.7 | 852.8 | 866.3 | 870.1 | 878.4 | 881.4 | 880.7 |
| 30° | 835.4 | 831.7 | 845.2 | 860.3 | 874.6 | 899.5 | 916.1 | 925.9 | 933.4 | 933.4 | 927.4 |
| 32.5° | 892.0 | 885.9 | 889.7 | 907.1 | 923.6 | 959.8 | 979.4 | 992.3 | 997.5 | 996.0 | 983.2 |
| 35° | 965.9 | 962.1 | 959.8 | 973.4 | 999.8 | 1042.0 | 1067.7 | 1074.4 | 1082.7 | 1081.2 | 1064.6 |
| 37.5° | 1053.3 | 1050.3 | 1050.3 | 1066.1 | 1091.8 | 1154.4 | 1182.3 | 1186.8 | 1186.0 | 1174.0 | 1143.1 |
| 40° | 1156.6 | 1155.1 | 1148.3 | 1157.4 | 1179.2 | 1260.7 | 1298.4 | 1304.4 | 1296.1 | 1276.5 | 1240.3 |
| 42.5° | 1305.2 | 1296.1 | 1275.0 | 1280.3 | 1296.9 | 1376.0 | 1425.0 | 1441.6 | 1433.3 | 1413.7 | 1354.9 |
| 45° | 1498.9 | 1489.1 | 1453.7 | 1449.2 | 1458.2 | 1527.6 | 1590.9 | 1594.7 | 1593.2 | 1568.3 | 1498.9 |
| 47.5° | 1726.6 | 1711.6 | 1673.9 | 1661.8 | 1658.8 | 1722.9 | 1783.9 | 1790.0 | 1786.2 | 1749.3 | 1656.5 |
| 50° | 1973.2 | 1951.3 | 1926.5 | 1918.2 | 1906.1 | 1952.1 | 2013.9 | 2014.7 | 1999.6 | 1948.3 | 1861.6 |
| 52.5° | 2236.3 | 2228.8 | 2224.3 | 2216.0 | 2210.7 | 2250.7 | 2288.4 | 2265.8 | 2243.1 | 2189.6 | 2114.2 |
| 55° | 2501.8 | 2532.7 | 2564.3 | 2567.3 | 2576.4 | 2619.4 | 2618.6 | 2556.8 | 2540.2 | 2510.8 | 2436.2 |
| 57.5° | 2783.7 | 2898.4 | 2997.9 | 3028.8 | 3059.0 | 3138.9 | 3131.3 | 3070.3 | 3049.1 | 3013.0 | 2951.1 |
| 60° | 3167.5 | 3476.7 | 3763.9 | 3832.5 | 3880.1 | 3975.8 | 3966.8 | 3872.5 | 3916.2 | 3913.2 | 3833.3 |
| 62.5° | 3705.1 | 4219.3 | 4649.9 | 4755.4 | 4788.6 | 4799.2 | 4741.9 | 4640.1 | 4683.1 | 4731.3 | 4485.5 |
| 65° | 4069.3 | 4674.0 | 5115.8 | 5197.3 | 5201.8 | 5075.9 | 4948.5 | 4828.6 | 4818.0 | 4776.5 | 4425.2 |
| 66° | 4077.6 | 4696.6 | 5140.0 | 5219.1 | 5191.2 | 5019.3 | 4858.0 | 4737.3 | 4685.3 | 4594.1 | 4229.9 |
| 67.5° | 3931.3 | 4555.6 | 5032.9 | 5116.6 | 5055.5 | 4812.0 | 4589.6 | 4434.2 | 4332.4 | 4184.7 | 3863.5 |
| 70° | 3301.7 | 3920.8 | 4508.9 | 4665.0 | 4684.6 | 4321.1 | 4012.8 | 3830.3 | 3693.1 | 3490.2 | 3213.5 |
| 72.5° | 2455.0 | 3014.5 | 3533.2 | 3682.5 | 3758.7 | 3468.4 | 3208.2 | 3069.5 | 2881.8 | 2668.4 | 2471.6 |
| 75° | 1538.9 | 1934.0 | 2281.6 | 2386.4 | 2314.8 | 2090.1 | 1934.0 | 1875.9 | 1691.2 | 1563.8 | 1474.1 |
| 77.5° | 879.9 | 1003.6 | 1031.5 | 991.5 | 907.1 | 694.4 | 493.9 | 365.7 | 317.4 | 351.4 | 387.6 |
| 80° | 858.8 | 787.2 | 627.3 | 551.9 | 499.9 | 343.8 | 202.1 | 138.7 | 115.4 | 118.4 | 128.2 |
| 82.5° | 930.4 | 998.3 | 821.9 | 670.3 | 562.5 | 380.0 | 209.6 | 111.6 | 75.4 | 89.0 | 100.3 |
| 85° | 604.7 | 841.5 | 757.8 | 638.6 | 517.2 | 325.0 | 172.7 | 58.1 | 38.5 | 50.5 | 69.4 |
| 87.5° | 61.1 | 67.1 | 57.3 | 77.7 | 58.1 | 27.1 | 13.6 | 8.3 | 7.5 | 9.0 | 13.6 |
| 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: P155594

CATALOG NUMBER: TLM-F03-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 |
| 2.5° | 751.0 | 751.0 | 751.7 | 752.5 | 753.2 | 754.0 | 754.0 | 754.0 | 754.0 | 755.5 | 754.7 |
| 5° | 752.5 | 754.0 | 755.5 | 756.3 | 757.8 | 757.8 | 760.0 | 759.3 | 759.3 | 761.5 | 762.3 |
| 7.5° | 755.5 | 757.8 | 760.8 | 760.0 | 763.0 | 762.3 | 763.8 | 763.8 | 761.5 | 762.3 | 760.8 |
| 10° | 762.3 | 765.3 | 766.8 | 764.5 | 765.3 | 762.3 | 761.5 | 757.8 | 753.2 | 751.0 | 748.0 |
| 12.5° | 773.6 | 776.6 | 776.6 | 772.8 | 768.3 | 761.5 | 756.3 | 748.0 | 741.2 | 737.4 | 733.6 |
| 15° | 783.4 | 786.4 | 785.7 | 779.6 | 772.8 | 762.3 | 754.7 | 744.9 | 735.1 | 729.1 | 725.3 |
| 17.5° | 790.9 | 792.4 | 790.2 | 781.9 | 774.4 | 764.5 | 757.0 | 746.5 | 735.1 | 727.6 | 720.8 |
| 20° | 802.2 | 800.7 | 795.5 | 784.9 | 776.6 | 767.6 | 761.5 | 752.5 | 739.7 | 729.9 | 720.1 |
| 22.5° | 818.8 | 812.8 | 803.0 | 791.7 | 783.4 | 775.1 | 769.1 | 759.3 | 746.5 | 734.4 | 723.1 |
| 25° | 840.7 | 828.6 | 815.1 | 803.0 | 795.5 | 786.4 | 779.6 | 769.1 | 755.5 | 741.9 | 728.4 |
| 27.5° | 872.4 | 851.3 | 833.9 | 823.4 | 815.1 | 803.8 | 795.5 | 781.9 | 767.6 | 751.7 | 736.7 |
| 30° | 907.8 | 879.2 | 862.6 | 854.3 | 845.2 | 833.2 | 820.3 | 803.0 | 786.4 | 769.1 | 751.0 |
| 32.5° | 953.8 | 919.1 | 903.3 | 895.0 | 882.9 | 867.8 | 852.8 | 833.2 | 809.8 | 787.2 | 765.3 |
| 35° | 1014.1 | 978.7 | 962.1 | 949.3 | 932.7 | 913.1 | 891.2 | 864.8 | 833.2 | 803.0 | 775.1 |
| 37.5° | 1079.0 | 1040.5 | 1024.7 | 1011.1 | 986.2 | 960.6 | 929.7 | 891.2 | 848.2 | 808.3 | 773.6 |
| 40° | 1161.1 | 1125.7 | 1105.4 | 1082.0 | 1052.6 | 1008.1 | 959.8 | 904.0 | 849.0 | 800.0 | 759.3 |
| 42.5° | 1265.2 | 1229.8 | 1199.6 | 1162.7 | 1111.4 | 1042.8 | 974.2 | 901.8 | 835.4 | 779.6 | 735.9 |
| 45° | 1403.2 | 1360.2 | 1308.2 | 1243.3 | 1160.4 | 1064.6 | 974.9 | 887.5 | 809.8 | 748.0 | 701.2 |
| 47.5° | 1572.1 | 1506.5 | 1421.3 | 1311.9 | 1192.8 | 1070.7 | 962.8 | 858.8 | 769.8 | 702.7 | 650.7 |
| 50° | 1772.6 | 1669.3 | 1529.1 | 1368.5 | 1209.4 | 1061.6 | 932.7 | 815.8 | 713.3 | 641.6 | 579.8 |
| 52.5° | 2001.9 | 1833.0 | 1626.4 | 1409.2 | 1208.7 | 1031.5 | 881.4 | 751.0 | 639.4 | 559.5 | 500.7 |
| 55° | 2271.0 | 2019.9 | 1726.6 | 1439.4 | 1187.5 | 975.7 | 803.0 | 659.7 | 548.2 | 474.3 | 420.0 |
| 57.5° | 2665.4 | 2323.1 | 1901.6 | 1486.1 | 1145.3 | 889.7 | 696.7 | 550.4 | 452.4 | 382.3 | 336.3 |
| 60° | 3386.2 | 2829.0 | 2216.7 | 1580.4 | 1080.5 | 763.8 | 572.3 | 433.5 | 351.4 | 294.8 | 263.9 |
| 62.5° | 3929.1 | 3220.3 | 2387.1 | 1559.3 | 950.0 | 608.5 | 424.5 | 315.9 | 258.6 | 220.2 | 200.6 |
| 65° | 3851.4 | 3098.9 | 2205.4 | 1342.9 | 744.9 | 429.0 | 282.0 | 214.9 | 177.9 | 159.8 | 148.5 |
| 66° | 3675.7 | 2940.6 | 2047.8 | 1208.7 | 643.9 | 356.6 | 232.2 | 180.2 | 153.1 | 140.2 | 132.7 |
| 67.5° | 3342.5 | 2646.5 | 1765.9 | 990.7 | 494.6 | 258.6 | 174.9 | 142.5 | 124.4 | 119.1 | 113.9 |
| 70° | 2778.5 | 2110.4 | 1239.6 | 576.8 | 252.6 | 144.0 | 110.8 | 99.5 | 95.0 | 94.2 | 92.7 |
| 72.5° | 2129.3 | 1493.7 | 729.9 | 272.9 | 131.2 | 95.8 | 86.0 | 82.2 | 80.7 | 80.7 | 81.4 |
| 75° | 1305.2 | 839.2 | 322.7 | 133.5 | 92.0 | 80.7 | 76.2 | 74.6 | 73.9 | 74.6 | 73.9 |
| 77.5° | 435.8 | 266.9 | 138.0 | 101.0 | 83.7 | 74.6 | 71.6 | 70.1 | 70.1 | 70.1 | 70.1 |
| 80° | 133.5 | 116.1 | 105.6 | 93.5 | 79.2 | 70.9 | 66.4 | 65.6 | 66.4 | 67.1 | 64.8 |
| 82.5° | 100.3 | 95.0 | 89.0 | 82.9 | 71.6 | 63.3 | 61.8 | 61.8 | 61.8 | 59.6 | 56.5 |
| 85° | 73.9 | 73.1 | 60.3 | 56.5 | 52.8 | 52.8 | 52.8 | 52.8 | 50.5 | 46.7 | 43.7 |
| 87.5° | 13.6 | 12.8 | 13.6 | 14.3 | 21.1 | 22.6 | 22.6 | 24.1 | 26.4 | 24.9 | 24.9 |
| 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: P155594

CATALOG NUMBER: TLM-F03-LED-E1-T3-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 751.7 | 751.7 | 751.7 | 751.7 | 751.7 |
| 2.5° | 754.7 | 754.0 | 756.3 | 754.7 | 755.5 |
| 5° | 761.5 | 760.8 | 762.3 | 760.8 | 763.0 |
| 7.5° | 759.3 | 757.8 | 757.0 | 757.8 | 758.5 |
| 10° | 743.4 | 741.9 | 741.2 | 740.4 | 741.2 |
| 12.5° | 729.9 | 726.8 | 726.8 | 725.3 | 726.1 |
| 15° | 720.1 | 717.8 | 717.0 | 715.5 | 716.3 |
| 17.5° | 715.5 | 711.8 | 710.3 | 708.8 | 708.8 |
| 20° | 712.5 | 708.0 | 705.7 | 704.2 | 703.5 |
| 22.5° | 712.5 | 705.7 | 702.7 | 701.2 | 700.5 |
| 25° | 715.5 | 707.2 | 702.7 | 700.5 | 699.7 |
| 27.5° | 721.6 | 711.0 | 705.7 | 702.7 | 702.7 |
| 30° | 732.1 | 718.6 | 711.0 | 707.2 | 706.5 |
| 32.5° | 742.7 | 724.6 | 714.0 | 709.5 | 708.0 |
| 35° | 748.0 | 724.6 | 711.8 | 704.2 | 702.7 |
| 37.5° | 741.9 | 714.8 | 699.0 | 687.6 | 685.4 |
| 40° | 723.1 | 694.4 | 677.1 | 666.5 | 665.0 |
| 42.5° | 698.2 | 670.3 | 649.9 | 642.4 | 640.1 |
| 45° | 664.3 | 631.1 | 610.7 | 600.2 | 600.9 |
| 47.5° | 606.2 | 572.3 | 554.2 | 544.4 | 545.9 |
| 50° | 537.6 | 504.4 | 488.6 | 478.0 | 480.3 |
| 52.5° | 462.2 | 432.0 | 417.0 | 411.7 | 410.2 |
| 55° | 383.0 | 359.7 | 349.1 | 343.1 | 340.8 |
| 57.5° | 310.6 | 294.1 | 286.5 | 279.0 | 279.7 |
| 60° | 245.0 | 236.8 | 234.5 | 226.2 | 225.4 |
| 62.5° | 193.0 | 187.7 | 185.5 | 179.5 | 180.2 |
| 65° | 146.3 | 144.8 | 146.3 | 142.5 | 144.0 |
| 66° | 131.9 | 132.7 | 132.7 | 130.4 | 131.9 |
| 67.5° | 113.9 | 115.4 | 117.6 | 115.4 | 116.9 |
| 70° | 94.2 | 95.8 | 97.3 | 97.3 | 97.3 |
| 72.5° | 82.2 | 83.7 | 84.4 | 84.4 | 84.4 |
| 75° | 75.4 | 76.2 | 76.9 | 75.4 | 75.4 |
| 77.5° | 70.9 | 70.9 | 69.4 | 68.6 | 67.9 |
| 80° | 64.1 | 63.3 | 61.1 | 59.6 | 59.6 |
| 82.5° | 53.5 | 52.0 | 50.5 | 48.3 | 48.3 |
| 85° | 40.7 | 39.2 | 37.7 | 34.7 | 33.2 |
| 87.5° | 21.1 | 21.9 | 21.1 | 17.3 | 15.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)