

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: P152947

Luminaire Tested: **TLM-F03-LED-E1-SLL-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152947
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)
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-SLL-7060
Description: TALON MEDIUM LED SITE LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7070.8 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
CIE Type: Direct

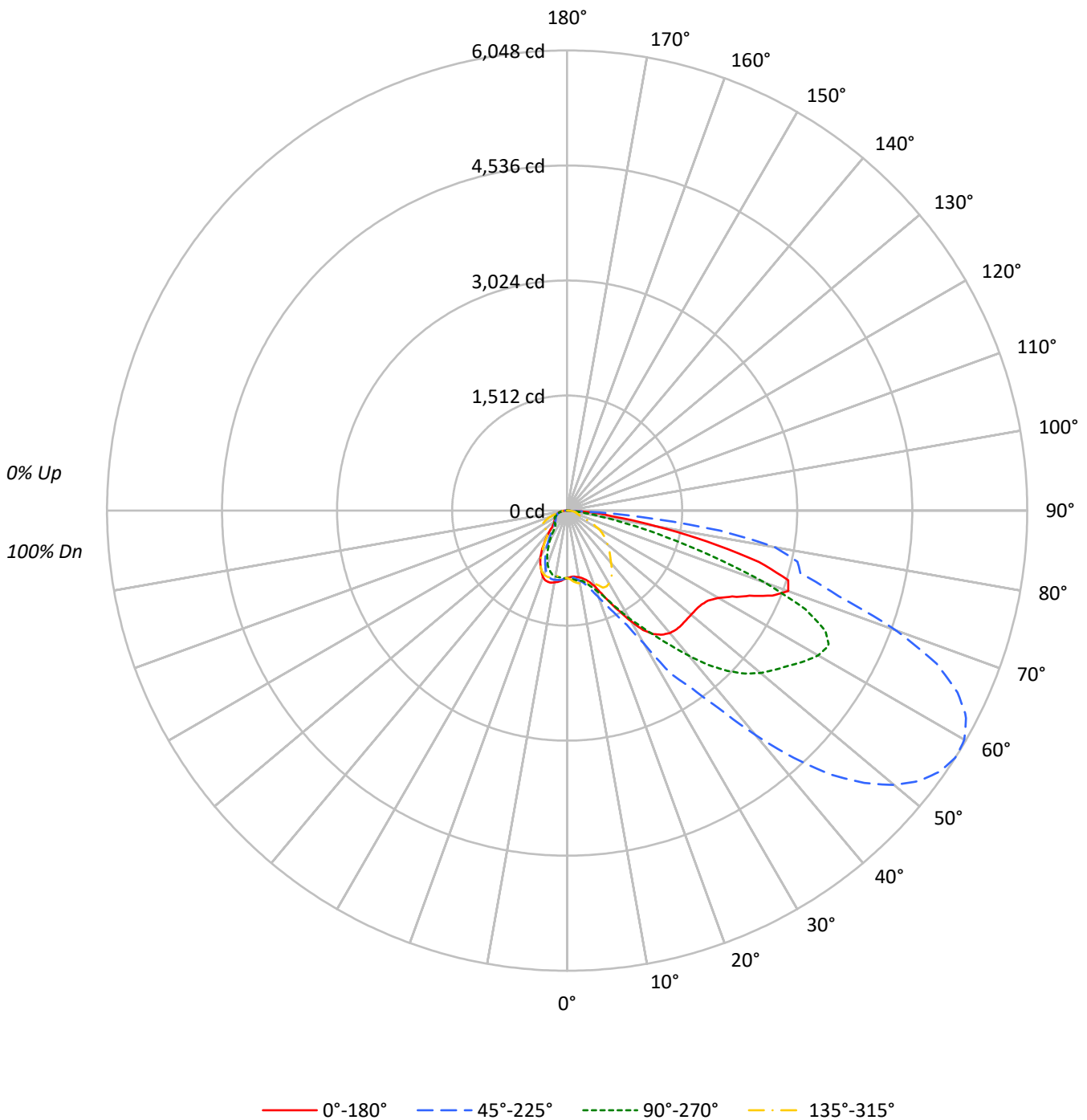
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

Luminous Intensity Polar Plot





TEST NUMBER: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 93 | 88 | 102 | 97 | 91 | 87 | 92 | 88 | 84 | 88 | 85 | 81 | 84 | 82 | 79 | 77 |
| 2 | 93 | 82 | 73 | 66 | 90 | 80 | 72 | 65 | 76 | 70 | 64 | 73 | 67 | 62 | 70 | 65 | 61 | 58 |
| 3 | 82 | 69 | 59 | 51 | 80 | 68 | 58 | 50 | 64 | 56 | 49 | 61 | 54 | 48 | 59 | 53 | 47 | 45 |
| 4 | 74 | 59 | 48 | 40 | 71 | 58 | 48 | 40 | 55 | 46 | 39 | 52 | 45 | 39 | 50 | 44 | 38 | 35 |
| 5 | 67 | 51 | 41 | 33 | 64 | 50 | 40 | 32 | 48 | 39 | 32 | 46 | 38 | 32 | 44 | 37 | 31 | 29 |
| 6 | 61 | 45 | 35 | 27 | 59 | 44 | 34 | 27 | 42 | 33 | 27 | 40 | 32 | 26 | 39 | 32 | 26 | 24 |
| 7 | 56 | 40 | 30 | 23 | 54 | 39 | 30 | 23 | 38 | 29 | 23 | 36 | 28 | 22 | 35 | 27 | 22 | 20 |
| 8 | 52 | 36 | 26 | 20 | 50 | 35 | 26 | 20 | 34 | 25 | 19 | 33 | 25 | 19 | 31 | 24 | 19 | 17 |
| 9 | 48 | 33 | 23 | 17 | 46 | 32 | 23 | 17 | 31 | 23 | 17 | 30 | 22 | 17 | 29 | 22 | 17 | 15 |
| 10 | 45 | 30 | 21 | 15 | 43 | 29 | 21 | 15 | 28 | 20 | 15 | 27 | 20 | 15 | 26 | 20 | 15 | 13 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° | 270° |
|-----|--------|--------|-------|-------|
| 0° | 19130 | 19130 | 19130 | 19130 |
| 5° | 18799 | 19624 | 20043 | 19129 |
| 10° | 19442 | 20406 | 20942 | 19202 |
| 15° | 20975 | 22051 | 21654 | 18690 |
| 20° | 24238 | 25597 | 21347 | 17232 |
| 25° | 31730 | 31347 | 19478 | 14547 |
| 30° | 41819 | 40683 | 17371 | 11266 |
| 35° | 52093 | 52648 | 13913 | 7703 |
| 40° | 59035 | 70009 | 10187 | 6736 |
| 45° | 64732 | 90674 | 7660 | 7066 |
| 50° | 71266 | 111151 | 7318 | 7234 |
| 55° | 80785 | 133372 | 7473 | 7409 |
| 60° | 98800 | 164012 | 8133 | 8133 |
| 65° | 134755 | 190849 | 8588 | 8456 |
| 70° | 194608 | 173711 | 9064 | 8957 |
| 75° | 217076 | 112447 | 10006 | 9441 |
| 80° | 148384 | 54610 | 11443 | 10191 |
| 85° | 96258 | 26578 | 13808 | 12548 |



TEST NUMBER: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 86.5 | 1.2 |
| 10°-20° | 269.4 | 3.8 |
| 20°-30° | 478.6 | 6.8 |
| 30°-40° | 753.7 | 10.7 |
| 40°-50° | 1109.2 | 15.7 |
| 50°-60° | 1473.3 | 20.8 |
| 60°-70° | 1622.8 | 23.0 |
| 70°-80° | 1018.1 | 14.4 |
| 80°-90° | 259.3 | 3.7 |
| 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° | 834.5 | 11.8 |
| 0°-40° | 1588.1 | 22.5 |
| 0°-60° | 4170.6 | 59.0 |
| 0°-90° | 7070.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 7070.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 889 | 889 | 889 | 889 | 889 | |
| 5° | 870 | 908 | 928 | 885 | 870 | 84 |
| 15° | 941 | 989 | 972 | 839 | 941 | 273 |
| 25° | 1336 | 1320 | 820 | 612 | 1336 | 630 |
| 35° | 1982 | 2003 | 529 | 293 | 1982 | 1228 |
| 45° | 2126 | 2978 | 252 | 232 | 2126 | 1644 |
| 55° | 2152 | 3554 | 199 | 197 | 2152 | 1952 |
| 65° | 2645 | 3747 | 169 | 166 | 2645 | 2663 |
| 75° | 2610 | 1352 | 120 | 114 | 2610 | 2552 |
| 85° | 390 | 108 | 56 | 51 | 390 | 450 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P152947

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 876.7 | 878.4 | 878.4 | 877.6 | 877.6 | 879.3 | 878.4 | 877.6 | 875.0 | 878.4 | 878.4 |
| 5° | 869.9 | 871.6 | 871.6 | 873.3 | 875.0 | 876.7 | 876.7 | 878.4 | 877.6 | 881.0 | 883.5 |
| 7.5° | 878.4 | 880.1 | 883.5 | 887.7 | 890.3 | 896.2 | 896.2 | 900.4 | 902.1 | 904.7 | 903.8 |
| 10° | 889.4 | 893.7 | 901.3 | 908.1 | 913.1 | 919.9 | 925.0 | 930.9 | 930.9 | 933.5 | 935.2 |
| 12.5° | 908.9 | 913.1 | 921.6 | 930.1 | 937.7 | 946.2 | 953.8 | 959.7 | 965.7 | 967.4 | 970.7 |
| 15° | 941.1 | 946.2 | 958.9 | 970.7 | 980.1 | 991.1 | 1001.2 | 1013.1 | 1024.1 | 1026.7 | 1028.3 |
| 17.5° | 989.4 | 999.5 | 1008.9 | 1030.0 | 1043.6 | 1058.0 | 1074.1 | 1091.0 | 1094.4 | 1112.2 | 1116.4 |
| 20° | 1058.0 | 1070.7 | 1079.2 | 1105.4 | 1128.3 | 1146.9 | 1170.7 | 1190.1 | 1197.8 | 1214.7 | 1231.6 |
| 22.5° | 1176.6 | 1174.0 | 1186.8 | 1213.0 | 1230.0 | 1267.2 | 1287.6 | 1307.9 | 1318.0 | 1343.5 | 1357.0 |
| 25° | 1335.8 | 1349.4 | 1377.3 | 1379.9 | 1396.0 | 1439.2 | 1465.4 | 1485.8 | 1486.6 | 1494.2 | 1508.6 |
| 27.5° | 1492.5 | 1548.5 | 1592.5 | 1616.2 | 1659.4 | 1699.2 | 1697.5 | 1726.3 | 1681.4 | 1690.8 | 1704.3 |
| 30° | 1682.3 | 1775.5 | 1858.5 | 1914.4 | 1958.4 | 2005.0 | 2027.9 | 2044.0 | 2024.5 | 2016.0 | 1999.9 |
| 32.5° | 1860.2 | 1990.6 | 2118.5 | 2217.6 | 2299.8 | 2376.9 | 2427.7 | 2450.6 | 2477.7 | 2546.3 | 2570.9 |
| 35° | 1982.2 | 2166.8 | 2326.1 | 2469.2 | 2606.5 | 2729.3 | 2818.2 | 2869.0 | 2849.6 | 2840.2 | 2835.2 |
| 37.5° | 2055.0 | 2280.3 | 2479.4 | 2681.8 | 2839.4 | 3023.2 | 3161.3 | 3295.1 | 3325.6 | 3272.3 | 3246.0 |
| 40° | 2100.7 | 2367.6 | 2623.4 | 2862.3 | 3066.4 | 3303.6 | 3474.7 | 3675.5 | 3827.9 | 3848.3 | 3785.6 |
| 42.5° | 2122.8 | 2426.0 | 2724.2 | 2994.4 | 3270.6 | 3561.1 | 3778.0 | 4021.1 | 4248.9 | 4405.6 | 4366.7 |
| 45° | 2126.2 | 2464.1 | 2797.9 | 3113.8 | 3442.5 | 3787.3 | 4066.8 | 4336.2 | 4641.1 | 4909.7 | 4917.3 |
| 47.5° | 2126.2 | 2492.9 | 2848.7 | 3200.3 | 3596.7 | 3983.8 | 4288.7 | 4607.2 | 4980.8 | 5298.5 | 5395.9 |
| 50° | 2127.9 | 2512.4 | 2896.2 | 3268.0 | 3714.4 | 4149.8 | 4494.6 | 4870.7 | 5263.7 | 5609.3 | 5797.4 |
| 52.5° | 2135.5 | 2526.8 | 2933.4 | 3316.3 | 3790.7 | 4266.7 | 4654.7 | 5088.4 | 5479.7 | 5834.7 | 6077.8 |
| 55° | 2152.4 | 2547.2 | 2960.5 | 3345.9 | 3841.5 | 4343.0 | 4770.7 | 5237.5 | 5619.5 | 5979.5 | 6319.2 |
| 57.5° | 2199.9 | 2582.7 | 2993.6 | 3372.2 | 3869.4 | 4392.9 | 4852.0 | 5301.8 | 5672.9 | 6048.1 | 6447.1 |
| 60° | 2294.7 | 2658.1 | 3050.3 | 3424.7 | 3916.0 | 4485.3 | 4891.0 | 5258.6 | 5633.9 | 6027.8 | 6475.9 |
| 62.5° | 2446.4 | 2775.9 | 3129.1 | 3513.7 | 4049.0 | 4628.4 | 4861.4 | 5129.9 | 5480.6 | 5910.0 | 6373.4 |
| 63° | 2498.9 | 2801.3 | 3146.9 | 3533.2 | 4085.4 | 4654.7 | 4848.7 | 5091.8 | 5449.2 | 5872.8 | 6337.0 |
| 65° | 2645.4 | 2913.9 | 3231.6 | 3631.4 | 4235.4 | 4680.9 | 4749.6 | 4893.6 | 5232.4 | 5660.2 | 6121.8 |
| 67.5° | 2919.0 | 3187.5 | 3413.7 | 3797.4 | 4361.6 | 4577.6 | 4442.1 | 4459.9 | 4813.9 | 5257.0 | 5672.0 |
| 70° | 3091.8 | 3412.0 | 3529.8 | 3818.6 | 4338.7 | 4424.3 | 4043.9 | 3808.5 | 4092.2 | 4597.1 | 4960.5 |
| 72.5° | 3046.9 | 3414.6 | 3401.9 | 3536.5 | 3881.3 | 3960.9 | 3567.0 | 3196.0 | 3364.6 | 3741.5 | 3977.0 |
| 75° | 2609.8 | 3049.5 | 2956.3 | 2929.2 | 3050.3 | 3102.8 | 2807.2 | 2750.5 | 2963.1 | 3172.3 | 3175.7 |
| 77.5° | 1878.8 | 2362.5 | 2253.2 | 2096.5 | 2088.0 | 2209.2 | 2249.0 | 2620.9 | 2935.1 | 3100.3 | 3027.4 |
| 80° | 1196.9 | 1721.3 | 1607.7 | 1334.1 | 1329.9 | 1487.5 | 1837.3 | 2343.0 | 2675.9 | 2768.2 | 2578.5 |
| 82.5° | 625.1 | 1126.6 | 1169.8 | 1001.2 | 1146.1 | 1407.0 | 1748.4 | 1888.1 | 2014.3 | 2027.1 | 1803.4 |
| 85° | 389.7 | 692.9 | 814.9 | 841.1 | 1035.1 | 1247.7 | 1245.2 | 1196.1 | 1140.2 | 975.8 | 882.7 |
| 87.5° | 44.0 | 87.2 | 132.1 | 125.4 | 168.6 | 236.3 | 294.8 | 172.8 | 121.1 | 44.0 | 61.0 |
| 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 880.1 | 881.0 | 881.8 | 881.8 | 886.0 | 885.2 | 886.0 | 887.7 | 890.3 | 892.0 | 893.7 |
| 5° | 886.9 | 886.9 | 890.3 | 892.8 | 897.9 | 901.3 | 903.0 | 908.1 | 914.0 | 912.3 | 917.4 |
| 7.5° | 908.9 | 908.1 | 911.5 | 913.1 | 917.4 | 923.3 | 922.5 | 926.7 | 931.8 | 933.5 | 937.7 |
| 10° | 938.6 | 936.0 | 936.0 | 934.3 | 935.2 | 933.5 | 933.5 | 933.5 | 936.9 | 936.0 | 939.4 |
| 12.5° | 969.1 | 968.2 | 966.5 | 961.4 | 961.4 | 954.7 | 951.3 | 947.0 | 946.2 | 940.3 | 941.1 |
| 15° | 1031.7 | 1031.7 | 1028.3 | 1018.2 | 1009.7 | 1003.8 | 995.3 | 989.4 | 980.9 | 969.9 | 964.0 |
| 17.5° | 1123.2 | 1111.4 | 1107.1 | 1105.4 | 1091.9 | 1086.8 | 1068.2 | 1048.7 | 1039.4 | 1024.1 | 1015.6 |
| 20° | 1235.0 | 1232.5 | 1215.6 | 1207.1 | 1190.1 | 1166.4 | 1142.7 | 1117.3 | 1102.0 | 1083.4 | 1073.2 |
| 22.5° | 1361.3 | 1342.6 | 1334.1 | 1321.4 | 1295.2 | 1268.1 | 1232.5 | 1198.6 | 1174.9 | 1162.2 | 1154.6 |
| 25° | 1508.6 | 1490.0 | 1481.5 | 1464.6 | 1432.4 | 1403.6 | 1359.6 | 1319.7 | 1298.6 | 1277.4 | 1265.5 |
| 27.5° | 1704.3 | 1686.5 | 1676.4 | 1632.3 | 1621.3 | 1573.9 | 1519.7 | 1465.4 | 1437.5 | 1406.1 | 1385.8 |
| 30° | 1996.6 | 1997.4 | 1944.9 | 1891.5 | 1836.5 | 1754.3 | 1697.5 | 1636.6 | 1590.8 | 1545.9 | 1501.0 |
| 32.5° | 2490.4 | 2364.2 | 2266.8 | 2152.4 | 2033.0 | 1945.7 | 1875.4 | 1802.6 | 1739.0 | 1673.8 | 1599.3 |
| 35° | 2792.0 | 2731.0 | 2604.8 | 2395.5 | 2275.2 | 2169.4 | 2091.4 | 2003.3 | 1925.4 | 1810.2 | 1696.7 |
| 37.5° | 3132.5 | 2991.0 | 2837.7 | 2721.7 | 2585.3 | 2462.4 | 2332.0 | 2232.0 | 2097.4 | 1942.3 | 1781.4 |
| 40° | 3629.7 | 3427.3 | 3242.6 | 3086.7 | 2910.6 | 2781.8 | 2636.1 | 2491.2 | 2312.5 | 2088.0 | 1867.0 |
| 42.5° | 4149.0 | 3939.7 | 3695.8 | 3493.3 | 3285.8 | 3135.0 | 2954.6 | 2751.3 | 2488.7 | 2210.9 | 1940.7 |
| 45° | 4693.6 | 4414.1 | 4121.9 | 3874.5 | 3658.5 | 3471.3 | 3247.7 | 2978.3 | 2658.1 | 2321.0 | 2009.3 |
| 47.5° | 5230.7 | 4909.7 | 4561.5 | 4295.5 | 4014.3 | 3785.6 | 3511.1 | 3170.6 | 2790.3 | 2425.2 | 2077.9 |
| 50° | 5704.2 | 5395.0 | 4975.7 | 4637.7 | 4353.1 | 4071.0 | 3728.8 | 3318.8 | 2894.5 | 2515.0 | 2139.7 |
| 52.5° | 6112.5 | 5846.5 | 5405.2 | 4978.3 | 4650.4 | 4333.6 | 3904.2 | 3438.3 | 2999.5 | 2598.0 | 2190.5 |
| 55° | 6412.4 | 6235.3 | 5828.7 | 5299.3 | 4912.2 | 4534.4 | 4052.4 | 3553.5 | 3098.6 | 2664.1 | 2223.6 |
| 57.5° | 6638.5 | 6540.3 | 6191.3 | 5601.7 | 5152.8 | 4729.2 | 4205.7 | 3691.6 | 3196.9 | 2720.8 | 2238.8 |
| 60° | 6762.2 | 6789.3 | 6465.7 | 5866.0 | 5365.4 | 4891.9 | 4359.1 | 3809.3 | 3269.7 | 2753.8 | 2230.4 |
| 62.5° | 6750.3 | 6916.4 | 6671.6 | 6028.6 | 5489.1 | 4988.4 | 4462.4 | 3864.4 | 3259.5 | 2701.3 | 2153.3 |
| 63° | 6727.5 | 6920.6 | 6694.4 | 6039.6 | 5496.7 | 4991.8 | 4464.9 | 3856.7 | 3238.4 | 2675.9 | 2122.8 |
| 65° | 6530.1 | 6823.2 | 6675.0 | 5989.7 | 5428.9 | 4928.3 | 4411.6 | 3746.6 | 3089.3 | 2539.5 | 1966.1 |
| 67.5° | 6001.5 | 6368.3 | 6326.0 | 5636.4 | 5107.9 | 4665.7 | 4138.8 | 3391.7 | 2720.8 | 2204.1 | 1666.2 |
| 70° | 5128.2 | 5473.0 | 5480.6 | 4902.0 | 4460.7 | 4027.0 | 3589.1 | 2759.8 | 2156.7 | 1708.6 | 1242.7 |
| 72.5° | 3930.4 | 4152.4 | 4229.4 | 3848.3 | 3552.6 | 3247.7 | 2854.6 | 2003.3 | 1537.4 | 1162.2 | 809.0 |
| 75° | 3043.5 | 2982.6 | 2981.7 | 2820.8 | 2700.5 | 2551.4 | 2119.4 | 1351.9 | 1009.7 | 755.6 | 494.7 |
| 77.5° | 2736.1 | 2465.0 | 2202.4 | 2009.3 | 1912.7 | 1862.7 | 1390.1 | 814.9 | 595.5 | 434.5 | 284.6 |
| 80° | 2256.6 | 1856.8 | 1500.2 | 1291.8 | 1208.8 | 1266.4 | 775.1 | 440.5 | 326.1 | 247.3 | 184.7 |
| 82.5° | 1556.1 | 1291.8 | 981.8 | 813.2 | 698.0 | 730.2 | 396.4 | 225.3 | 150.8 | 138.1 | 114.4 |
| 85° | 810.7 | 710.7 | 599.7 | 515.0 | 454.9 | 399.8 | 205.8 | 107.6 | 62.7 | 55.1 | 50.0 |
| 87.5° | 0.0 | 0.8 | 0.0 | 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 896.2 | 895.4 | 897.1 | 897.9 | 900.4 | 902.1 | 903.0 | 901.3 | 903.8 | 906.4 | 904.7 |
| 5° | 919.9 | 925.9 | 926.7 | 929.2 | 929.2 | 934.3 | 934.3 | 934.3 | 933.5 | 934.3 | 932.6 |
| 7.5° | 940.3 | 947.9 | 948.7 | 952.1 | 953.0 | 958.9 | 956.3 | 958.0 | 958.0 | 953.8 | 952.1 |
| 10° | 942.8 | 950.4 | 954.7 | 958.9 | 964.8 | 972.4 | 972.4 | 976.7 | 976.7 | 973.3 | 972.4 |
| 12.5° | 943.6 | 949.6 | 953.8 | 959.7 | 968.2 | 979.2 | 985.1 | 991.1 | 993.6 | 992.8 | 990.2 |
| 15° | 961.4 | 961.4 | 962.3 | 967.4 | 973.3 | 986.8 | 995.3 | 1002.1 | 1006.3 | 1004.6 | 1000.4 |
| 17.5° | 1008.0 | 1001.2 | 996.2 | 987.7 | 989.4 | 996.2 | 1001.2 | 1007.2 | 1008.0 | 1006.3 | 999.5 |
| 20° | 1062.2 | 1053.8 | 1041.1 | 1027.5 | 1020.7 | 1015.6 | 1012.3 | 1012.3 | 1009.7 | 1001.2 | 990.2 |
| 22.5° | 1139.3 | 1128.3 | 1110.5 | 1090.2 | 1076.6 | 1060.5 | 1041.1 | 1022.4 | 1002.1 | 981.8 | 958.0 |
| 25° | 1246.0 | 1230.8 | 1212.2 | 1180.8 | 1152.0 | 1118.1 | 1078.3 | 1036.8 | 988.5 | 946.2 | 911.5 |
| 27.5° | 1353.6 | 1319.7 | 1271.5 | 1228.3 | 1174.9 | 1124.1 | 1067.3 | 1016.5 | 954.7 | 903.8 | 865.7 |
| 30° | 1442.6 | 1378.2 | 1308.7 | 1240.1 | 1169.8 | 1101.2 | 1033.4 | 972.4 | 904.7 | 853.0 | 815.7 |
| 32.5° | 1511.2 | 1422.2 | 1325.7 | 1235.9 | 1149.5 | 1065.6 | 987.7 | 919.9 | 851.3 | 797.9 | 758.1 |
| 35° | 1574.7 | 1451.0 | 1328.2 | 1217.2 | 1110.5 | 1023.3 | 935.2 | 861.5 | 788.6 | 732.7 | 689.5 |
| 37.5° | 1622.1 | 1464.6 | 1313.0 | 1182.5 | 1059.7 | 962.3 | 872.5 | 797.1 | 722.6 | 661.6 | 612.4 |
| 40° | 1652.6 | 1456.1 | 1279.9 | 1132.5 | 999.5 | 897.1 | 805.6 | 727.6 | 655.6 | 588.7 | 529.4 |
| 42.5° | 1677.2 | 1445.1 | 1246.9 | 1086.8 | 952.1 | 840.3 | 746.3 | 662.4 | 589.6 | 516.7 | 451.5 |
| 45° | 1713.6 | 1453.6 | 1232.5 | 1054.6 | 909.8 | 792.0 | 688.7 | 601.4 | 525.2 | 454.0 | 391.3 |
| 47.5° | 1749.2 | 1457.8 | 1211.3 | 1014.8 | 856.4 | 742.0 | 637.0 | 552.3 | 474.4 | 409.1 | 351.5 |
| 50° | 1781.4 | 1455.3 | 1178.3 | 964.0 | 804.7 | 692.1 | 590.4 | 505.7 | 428.6 | 368.5 | 314.3 |
| 52.5° | 1796.6 | 1440.9 | 1137.6 | 914.8 | 763.2 | 648.0 | 544.7 | 462.5 | 386.3 | 329.5 | 279.5 |
| 55° | 1795.0 | 1403.6 | 1084.3 | 868.3 | 717.5 | 601.4 | 499.8 | 418.5 | 349.8 | 297.3 | 254.1 |
| 57.5° | 1769.5 | 1346.0 | 1027.5 | 816.6 | 657.3 | 543.8 | 447.3 | 368.5 | 310.9 | 266.8 | 230.4 |
| 60° | 1716.2 | 1272.3 | 953.0 | 741.2 | 581.9 | 472.7 | 382.0 | 314.3 | 267.7 | 233.8 | 210.1 |
| 62.5° | 1616.2 | 1166.4 | 859.8 | 636.2 | 480.3 | 380.3 | 301.6 | 257.5 | 222.8 | 202.5 | 191.4 |
| 63° | 1586.6 | 1137.6 | 820.0 | 610.7 | 456.6 | 359.2 | 284.6 | 238.9 | 213.5 | 195.7 | 185.5 |
| 65° | 1439.2 | 996.2 | 686.1 | 493.0 | 354.9 | 277.0 | 228.7 | 194.0 | 178.7 | 171.1 | 170.3 |
| 67.5° | 1165.6 | 783.5 | 485.4 | 338.0 | 241.4 | 199.9 | 175.3 | 160.9 | 154.2 | 152.5 | 154.2 |
| 70° | 818.3 | 494.7 | 308.3 | 224.5 | 178.7 | 160.9 | 149.9 | 144.0 | 139.8 | 140.6 | 142.3 |
| 72.5° | 521.8 | 296.5 | 211.8 | 170.3 | 150.8 | 141.5 | 136.4 | 134.7 | 133.8 | 133.0 | 133.0 |
| 75° | 297.3 | 197.4 | 162.6 | 147.4 | 137.2 | 129.6 | 125.4 | 123.7 | 124.5 | 125.4 | 123.7 |
| 77.5° | 196.5 | 162.6 | 144.8 | 134.7 | 125.4 | 116.9 | 114.4 | 113.5 | 115.2 | 116.9 | 116.9 |
| 80° | 155.0 | 144.8 | 134.7 | 124.5 | 109.3 | 103.3 | 105.0 | 105.9 | 105.0 | 105.9 | 103.3 |
| 82.5° | 109.3 | 107.6 | 110.1 | 105.9 | 90.6 | 85.6 | 83.9 | 84.7 | 83.0 | 83.0 | 81.3 |
| 85° | 50.8 | 50.8 | 53.4 | 53.4 | 51.7 | 52.5 | 56.8 | 61.8 | 64.4 | 61.8 | 58.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 7.6 | 15.2 | 22.0 | 23.7 | 29.6 | 28.8 |
| 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 902.1 | 903.8 | 903.0 | 902.1 | 903.8 | 902.1 | 903.0 | 902.1 | 902.1 | 901.3 | 901.3 |
| 5° | 930.9 | 933.5 | 928.4 | 927.5 | 925.9 | 921.6 | 921.6 | 919.9 | 919.9 | 916.5 | 914.0 |
| 7.5° | 949.6 | 950.4 | 946.2 | 945.3 | 941.1 | 936.9 | 933.5 | 930.1 | 929.2 | 926.7 | 921.6 |
| 10° | 967.4 | 965.7 | 962.3 | 958.0 | 953.8 | 947.9 | 943.6 | 939.4 | 938.6 | 934.3 | 928.4 |
| 12.5° | 982.6 | 981.8 | 975.0 | 970.7 | 964.0 | 958.0 | 953.0 | 947.9 | 945.3 | 940.3 | 931.8 |
| 15° | 992.8 | 987.7 | 979.2 | 971.6 | 964.0 | 957.2 | 951.3 | 945.3 | 942.8 | 936.9 | 928.4 |
| 17.5° | 988.5 | 979.2 | 968.2 | 958.9 | 948.7 | 940.3 | 935.2 | 929.2 | 925.0 | 921.6 | 909.8 |
| 20° | 973.3 | 959.7 | 942.8 | 931.8 | 918.2 | 907.2 | 903.8 | 897.9 | 894.5 | 881.8 | 866.6 |
| 22.5° | 933.5 | 914.0 | 892.8 | 876.7 | 861.5 | 850.5 | 842.0 | 836.1 | 827.6 | 820.0 | 796.3 |
| 25° | 883.5 | 861.5 | 839.5 | 820.0 | 799.6 | 782.7 | 767.5 | 753.1 | 748.8 | 732.7 | 709.8 |
| 27.5° | 835.2 | 810.7 | 788.6 | 765.8 | 739.5 | 718.3 | 692.1 | 671.7 | 658.2 | 641.2 | 620.1 |
| 30° | 783.5 | 759.0 | 729.3 | 698.8 | 668.3 | 645.5 | 615.8 | 591.3 | 574.3 | 556.5 | 537.0 |
| 32.5° | 718.3 | 688.7 | 653.1 | 619.2 | 591.3 | 564.2 | 534.5 | 510.8 | 493.8 | 477.8 | 459.1 |
| 35° | 643.8 | 604.8 | 566.7 | 529.4 | 499.8 | 476.9 | 450.6 | 432.9 | 421.0 | 406.6 | 387.1 |
| 37.5° | 558.2 | 514.2 | 473.5 | 444.7 | 418.5 | 396.4 | 377.8 | 366.8 | 354.1 | 346.5 | 334.6 |
| 40° | 471.8 | 428.6 | 388.8 | 362.5 | 340.5 | 327.8 | 317.7 | 315.1 | 306.6 | 296.5 | 288.9 |
| 42.5° | 395.6 | 354.1 | 315.1 | 293.9 | 279.5 | 276.1 | 271.1 | 271.1 | 266.8 | 259.2 | 254.1 |
| 45° | 343.9 | 300.7 | 266.8 | 251.6 | 244.0 | 243.1 | 240.6 | 240.6 | 239.7 | 236.3 | 230.4 |
| 47.5° | 306.6 | 267.7 | 241.4 | 232.1 | 230.4 | 228.7 | 226.2 | 225.3 | 224.5 | 221.9 | 218.5 |
| 50° | 272.8 | 239.7 | 222.8 | 218.5 | 219.4 | 216.9 | 214.3 | 211.8 | 210.9 | 208.4 | 205.0 |
| 52.5° | 241.4 | 217.7 | 206.7 | 204.1 | 204.1 | 204.1 | 202.5 | 202.5 | 200.8 | 199.9 | 196.5 |
| 55° | 223.6 | 205.8 | 199.9 | 199.1 | 198.2 | 197.4 | 195.7 | 195.7 | 194.0 | 193.1 | 188.9 |
| 57.5° | 208.4 | 197.4 | 194.0 | 192.3 | 191.4 | 189.7 | 188.9 | 188.9 | 188.9 | 188.9 | 183.8 |
| 60° | 196.5 | 191.4 | 190.6 | 188.9 | 188.1 | 184.7 | 183.0 | 182.1 | 183.0 | 183.8 | 178.7 |
| 62.5° | 183.8 | 183.0 | 182.1 | 180.4 | 179.6 | 176.2 | 173.7 | 172.0 | 173.7 | 175.3 | 174.5 |
| 63° | 180.4 | 179.6 | 179.6 | 178.7 | 177.9 | 173.7 | 171.1 | 169.4 | 171.1 | 172.8 | 172.8 |
| 65° | 168.6 | 169.4 | 169.4 | 168.6 | 167.7 | 165.2 | 161.8 | 160.1 | 160.9 | 163.5 | 164.3 |
| 67.5° | 155.9 | 156.7 | 155.9 | 156.7 | 155.9 | 154.2 | 151.6 | 149.9 | 149.1 | 149.9 | 150.8 |
| 70° | 144.0 | 145.7 | 144.8 | 144.0 | 143.2 | 143.2 | 141.5 | 138.9 | 138.1 | 137.2 | 137.2 |
| 72.5° | 133.8 | 133.8 | 132.1 | 132.1 | 131.3 | 131.3 | 129.6 | 127.1 | 126.2 | 126.2 | 124.5 |
| 75° | 122.8 | 122.8 | 120.3 | 120.3 | 118.6 | 119.4 | 117.7 | 115.2 | 114.4 | 114.4 | 113.5 |
| 77.5° | 116.0 | 113.5 | 109.3 | 108.4 | 107.6 | 107.6 | 106.7 | 104.2 | 103.3 | 103.3 | 102.5 |
| 80° | 102.5 | 97.4 | 93.2 | 92.3 | 93.2 | 94.9 | 94.9 | 93.2 | 93.2 | 93.2 | 93.2 |
| 82.5° | 79.6 | 77.9 | 75.4 | 73.7 | 73.7 | 76.2 | 79.6 | 81.3 | 83.0 | 84.7 | 84.7 |
| 85° | 58.4 | 59.3 | 58.4 | 55.9 | 55.1 | 57.6 | 61.0 | 64.4 | 65.2 | 68.6 | 67.8 |
| 87.5° | 31.3 | 32.2 | 29.6 | 28.8 | 31.3 | 33.0 | 36.4 | 37.3 | 39.0 | 39.8 | 40.7 |
| 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 900.4 | 899.6 | 900.4 | 898.7 | 898.7 | 897.1 | 895.4 | 894.5 | 892.8 | 892.0 | 890.3 |
| 5° | 915.7 | 913.1 | 910.6 | 909.8 | 906.4 | 903.0 | 900.4 | 896.2 | 892.8 | 886.9 | 885.2 |
| 7.5° | 925.9 | 919.9 | 916.5 | 915.7 | 910.6 | 908.1 | 902.1 | 897.1 | 892.0 | 884.3 | 881.8 |
| 10° | 930.1 | 924.2 | 918.2 | 915.7 | 909.8 | 905.5 | 899.6 | 892.0 | 887.7 | 880.1 | 878.4 |
| 12.5° | 935.2 | 924.2 | 914.8 | 908.1 | 899.6 | 890.3 | 884.3 | 880.1 | 874.2 | 869.9 | 868.3 |
| 15° | 925.9 | 911.5 | 897.1 | 884.3 | 870.8 | 860.6 | 854.7 | 847.9 | 841.1 | 838.6 | 838.6 |
| 17.5° | 900.4 | 881.8 | 857.2 | 841.1 | 826.7 | 815.7 | 808.1 | 801.3 | 800.5 | 797.1 | 798.8 |
| 20° | 847.9 | 823.4 | 799.6 | 787.8 | 779.3 | 772.5 | 764.9 | 761.5 | 759.0 | 753.9 | 752.2 |
| 22.5° | 775.1 | 754.7 | 737.8 | 729.3 | 722.6 | 714.1 | 707.3 | 697.1 | 694.6 | 689.5 | 687.0 |
| 25° | 694.6 | 678.5 | 664.1 | 658.2 | 653.9 | 642.1 | 637.8 | 624.3 | 615.0 | 609.0 | 612.4 |
| 27.5° | 614.1 | 602.3 | 588.7 | 581.1 | 578.6 | 567.5 | 563.3 | 548.1 | 540.4 | 540.4 | 532.0 |
| 30° | 531.1 | 520.1 | 511.6 | 503.2 | 501.5 | 487.9 | 476.9 | 471.0 | 462.5 | 459.1 | 453.2 |
| 32.5° | 453.2 | 442.2 | 435.4 | 431.2 | 424.4 | 413.4 | 402.4 | 392.2 | 378.6 | 373.6 | 371.0 |
| 35° | 381.2 | 372.7 | 364.2 | 360.9 | 351.5 | 339.7 | 326.1 | 317.7 | 301.6 | 295.6 | 293.1 |
| 37.5° | 326.1 | 316.0 | 310.0 | 300.7 | 291.4 | 278.7 | 268.5 | 260.9 | 255.0 | 252.4 | 252.4 |
| 40° | 282.1 | 274.5 | 267.7 | 260.1 | 252.4 | 245.7 | 240.6 | 238.9 | 238.0 | 238.0 | 239.7 |
| 42.5° | 249.0 | 242.3 | 238.9 | 234.6 | 232.1 | 232.1 | 231.3 | 232.1 | 232.9 | 233.8 | 236.3 |
| 45° | 227.0 | 222.8 | 221.1 | 220.2 | 221.9 | 223.6 | 224.5 | 226.2 | 229.6 | 231.3 | 232.1 |
| 47.5° | 215.2 | 211.8 | 210.9 | 211.8 | 214.3 | 217.7 | 221.1 | 223.6 | 226.2 | 227.0 | 227.9 |
| 50° | 203.3 | 199.1 | 197.4 | 199.1 | 202.5 | 207.5 | 210.1 | 214.3 | 216.0 | 217.7 | 216.0 |
| 52.5° | 193.1 | 189.7 | 188.9 | 188.9 | 192.3 | 195.7 | 199.1 | 202.5 | 203.3 | 203.3 | 202.5 |
| 55° | 184.7 | 182.1 | 179.6 | 181.3 | 183.8 | 187.2 | 192.3 | 194.8 | 196.5 | 197.4 | 197.4 |
| 57.5° | 177.9 | 175.3 | 172.8 | 174.5 | 177.0 | 180.4 | 185.5 | 188.1 | 189.7 | 192.3 | 193.1 |
| 60° | 172.8 | 169.4 | 166.9 | 169.4 | 172.0 | 177.0 | 181.3 | 183.8 | 188.1 | 188.9 | 188.9 |
| 62.5° | 167.7 | 164.3 | 160.1 | 162.6 | 162.6 | 165.2 | 169.4 | 172.8 | 177.0 | 178.7 | 178.7 |
| 63° | 166.9 | 163.5 | 159.3 | 160.9 | 160.9 | 162.6 | 166.0 | 169.4 | 174.5 | 176.2 | 175.3 |
| 65° | 160.1 | 159.3 | 155.0 | 155.0 | 153.3 | 155.0 | 157.6 | 160.9 | 163.5 | 166.0 | 166.0 |
| 67.5° | 149.1 | 148.2 | 147.4 | 147.4 | 147.4 | 149.1 | 150.8 | 153.3 | 155.9 | 157.6 | 156.7 |
| 70° | 136.4 | 136.4 | 136.4 | 137.2 | 137.2 | 138.9 | 139.8 | 138.9 | 141.5 | 143.2 | 142.3 |
| 72.5° | 125.4 | 124.5 | 123.7 | 125.4 | 124.5 | 124.5 | 126.2 | 125.4 | 127.9 | 127.9 | 128.8 |
| 75° | 113.5 | 112.7 | 112.7 | 113.5 | 111.8 | 110.1 | 111.0 | 111.0 | 111.8 | 111.8 | 113.5 |
| 77.5° | 103.3 | 103.3 | 103.3 | 102.5 | 100.8 | 100.0 | 99.1 | 99.1 | 99.1 | 99.1 | 100.0 |
| 80° | 94.0 | 94.0 | 94.0 | 93.2 | 91.5 | 89.8 | 88.1 | 87.2 | 86.4 | 82.2 | 82.2 |
| 82.5° | 84.7 | 84.7 | 84.7 | 84.7 | 83.9 | 82.2 | 79.6 | 72.8 | 69.5 | 66.1 | 66.9 |
| 85° | 66.9 | 68.6 | 70.3 | 72.8 | 72.0 | 72.0 | 66.9 | 58.4 | 53.4 | 50.0 | 50.8 |
| 87.5° | 43.2 | 38.1 | 38.1 | 37.3 | 35.6 | 33.9 | 33.9 | 28.8 | 23.7 | 21.2 | 22.0 |
| 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 890.3 | 888.6 | 886.9 | 886.9 | 884.3 | 884.3 | 882.7 | 886.0 | 882.7 | 880.1 | 880.1 |
| 5° | 883.5 | 881.8 | 876.7 | 875.9 | 872.5 | 872.5 | 872.5 | 870.8 | 870.8 | 869.1 | 868.3 |
| 7.5° | 879.3 | 875.0 | 870.8 | 868.3 | 868.3 | 866.6 | 869.9 | 868.3 | 869.1 | 869.1 | 869.9 |
| 10° | 875.9 | 872.5 | 870.8 | 869.9 | 869.9 | 872.5 | 875.0 | 875.9 | 875.0 | 875.9 | 875.9 |
| 12.5° | 867.4 | 869.1 | 869.9 | 873.3 | 877.6 | 882.7 | 888.6 | 889.4 | 891.1 | 891.1 | 892.8 |
| 15° | 840.3 | 844.5 | 849.6 | 858.1 | 869.1 | 880.1 | 891.1 | 900.4 | 908.9 | 913.1 | 916.5 |
| 17.5° | 802.2 | 806.4 | 815.7 | 825.1 | 839.5 | 855.5 | 874.2 | 890.3 | 908.1 | 924.2 | 940.3 |
| 20° | 750.5 | 757.3 | 759.8 | 776.8 | 793.7 | 815.7 | 837.8 | 863.2 | 893.7 | 924.2 | 955.5 |
| 22.5° | 683.6 | 691.2 | 703.1 | 716.6 | 734.4 | 761.5 | 787.8 | 827.6 | 868.3 | 911.5 | 960.6 |
| 25° | 609.0 | 617.5 | 627.7 | 642.1 | 659.9 | 688.7 | 726.8 | 769.1 | 819.1 | 875.9 | 936.9 |
| 27.5° | 532.0 | 540.4 | 548.9 | 559.1 | 579.4 | 609.9 | 654.8 | 698.8 | 753.9 | 815.7 | 886.9 |
| 30° | 454.9 | 455.7 | 460.8 | 473.5 | 494.7 | 534.5 | 567.5 | 622.6 | 680.2 | 745.4 | 827.6 |
| 32.5° | 370.2 | 369.3 | 375.3 | 386.3 | 406.6 | 444.7 | 485.4 | 538.7 | 595.5 | 677.7 | 762.4 |
| 35° | 294.8 | 294.8 | 305.8 | 316.8 | 339.7 | 366.8 | 402.4 | 449.8 | 516.7 | 593.0 | 677.7 |
| 37.5° | 255.0 | 260.9 | 267.7 | 278.7 | 296.5 | 317.7 | 349.0 | 390.5 | 443.0 | 515.9 | 593.8 |
| 40° | 242.3 | 245.7 | 251.6 | 261.7 | 277.0 | 296.5 | 319.3 | 350.7 | 391.3 | 449.8 | 521.0 |
| 42.5° | 237.2 | 238.0 | 241.4 | 249.0 | 262.6 | 282.1 | 305.8 | 333.7 | 364.2 | 405.7 | 467.6 |
| 45° | 232.1 | 231.3 | 232.9 | 238.9 | 249.9 | 271.9 | 299.0 | 329.5 | 360.0 | 394.7 | 445.6 |
| 47.5° | 227.9 | 227.9 | 227.9 | 230.4 | 240.6 | 262.6 | 293.9 | 329.5 | 365.9 | 404.9 | 454.9 |
| 50° | 216.0 | 215.2 | 215.2 | 216.9 | 224.5 | 248.2 | 285.5 | 328.7 | 376.1 | 426.9 | 483.7 |
| 52.5° | 202.5 | 202.5 | 203.3 | 204.1 | 210.9 | 234.6 | 276.1 | 328.7 | 388.0 | 455.7 | 526.9 |
| 55° | 198.2 | 199.1 | 199.9 | 199.1 | 204.1 | 224.5 | 266.0 | 323.6 | 393.0 | 478.6 | 573.5 |
| 57.5° | 194.8 | 196.5 | 196.5 | 195.7 | 199.1 | 216.0 | 255.8 | 313.4 | 388.8 | 487.1 | 606.5 |
| 60° | 189.7 | 189.7 | 189.7 | 187.2 | 188.9 | 204.1 | 240.6 | 297.3 | 375.3 | 479.4 | 611.6 |
| 62.5° | 178.7 | 178.7 | 177.0 | 176.2 | 175.3 | 187.2 | 220.2 | 273.6 | 350.7 | 459.1 | 598.9 |
| 63° | 176.2 | 175.3 | 175.3 | 172.8 | 172.8 | 183.8 | 216.0 | 270.2 | 343.9 | 454.0 | 593.8 |
| 65° | 166.9 | 166.9 | 166.9 | 165.2 | 164.3 | 172.8 | 199.1 | 246.5 | 317.7 | 430.3 | 568.4 |
| 67.5° | 156.7 | 157.6 | 155.9 | 155.0 | 154.2 | 159.3 | 179.6 | 216.9 | 277.0 | 380.3 | 521.0 |
| 70° | 142.3 | 143.2 | 143.2 | 142.3 | 141.5 | 144.8 | 157.6 | 186.4 | 229.6 | 316.8 | 443.9 |
| 72.5° | 129.6 | 131.3 | 131.3 | 133.0 | 133.0 | 135.5 | 140.6 | 155.0 | 183.8 | 247.3 | 349.0 |
| 75° | 116.0 | 116.9 | 118.6 | 120.3 | 118.6 | 117.7 | 118.6 | 129.6 | 144.0 | 183.0 | 249.0 |
| 77.5° | 104.2 | 106.7 | 106.7 | 105.9 | 103.3 | 101.6 | 101.6 | 106.7 | 118.6 | 138.9 | 177.9 |
| 80° | 86.4 | 90.6 | 91.5 | 88.9 | 86.4 | 86.4 | 88.1 | 91.5 | 99.1 | 114.4 | 134.7 |
| 82.5° | 69.5 | 73.7 | 74.5 | 75.4 | 74.5 | 77.1 | 77.1 | 77.9 | 82.2 | 94.0 | 110.1 |
| 85° | 53.4 | 56.8 | 59.3 | 60.1 | 61.0 | 61.8 | 61.0 | 56.8 | 59.3 | 66.9 | 74.5 |
| 87.5° | 23.7 | 24.6 | 22.9 | 23.7 | 22.9 | 23.7 | 24.6 | 20.3 | 19.5 | 26.3 | 27.1 |
| 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: P152947

CATALOG NUMBER: TLM-F03-LED-E1-SLL-7060

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 | 888.6 |
| 2.5° | 879.3 | 879.3 | 880.1 | 878.4 | 878.4 | 879.3 | 876.7 |
| 5° | 865.7 | 869.1 | 869.1 | 869.1 | 867.4 | 869.1 | 869.9 |
| 7.5° | 869.1 | 871.6 | 873.3 | 873.3 | 872.5 | 875.9 | 878.4 |
| 10° | 873.3 | 877.6 | 879.3 | 879.3 | 879.3 | 883.5 | 889.4 |
| 12.5° | 889.4 | 892.8 | 895.4 | 895.4 | 897.1 | 902.1 | 908.9 |
| 15° | 919.1 | 923.3 | 923.3 | 922.5 | 927.5 | 933.5 | 941.1 |
| 17.5° | 952.1 | 964.0 | 969.9 | 969.1 | 973.3 | 980.9 | 989.4 |
| 20° | 983.5 | 1016.5 | 1030.9 | 1041.1 | 1045.3 | 1055.5 | 1058.0 |
| 22.5° | 1009.7 | 1064.8 | 1104.6 | 1138.5 | 1154.6 | 1164.7 | 1176.6 |
| 25° | 1000.4 | 1074.9 | 1146.1 | 1215.6 | 1264.7 | 1314.7 | 1335.8 |
| 27.5° | 962.3 | 1055.5 | 1148.6 | 1250.3 | 1339.2 | 1428.2 | 1492.5 |
| 30° | 915.7 | 1027.5 | 1152.9 | 1296.9 | 1437.5 | 1573.9 | 1682.3 |
| 32.5° | 862.3 | 1001.2 | 1162.2 | 1340.1 | 1524.7 | 1703.5 | 1860.2 |
| 35° | 795.4 | 951.3 | 1139.3 | 1344.3 | 1562.0 | 1778.9 | 1982.2 |
| 37.5° | 710.7 | 883.5 | 1086.0 | 1313.8 | 1563.7 | 1811.9 | 2055.0 |
| 40° | 626.0 | 797.9 | 1018.2 | 1269.8 | 1541.7 | 1819.5 | 2100.7 |
| 42.5° | 566.7 | 721.7 | 949.6 | 1213.9 | 1506.1 | 1807.7 | 2122.8 |
| 45° | 526.0 | 666.6 | 888.6 | 1163.0 | 1468.0 | 1786.5 | 2126.2 |
| 47.5° | 522.6 | 642.9 | 848.8 | 1125.8 | 1437.5 | 1767.8 | 2126.2 |
| 50° | 551.4 | 655.6 | 835.2 | 1107.1 | 1424.8 | 1761.9 | 2127.9 |
| 52.5° | 605.7 | 706.5 | 859.8 | 1121.5 | 1434.9 | 1769.5 | 2135.5 |
| 55° | 670.9 | 783.5 | 925.9 | 1171.5 | 1478.1 | 1795.0 | 2152.4 |
| 57.5° | 730.2 | 872.5 | 1038.5 | 1268.1 | 1556.9 | 1859.3 | 2199.9 |
| 60° | 764.9 | 948.7 | 1158.0 | 1403.6 | 1691.6 | 1987.2 | 2294.7 |
| 62.5° | 769.1 | 991.1 | 1263.8 | 1551.0 | 1855.1 | 2133.8 | 2446.4 |
| 63° | 765.8 | 994.5 | 1277.4 | 1578.9 | 1889.8 | 2170.2 | 2498.9 |
| 65° | 747.1 | 995.3 | 1315.5 | 1677.2 | 2010.1 | 2323.5 | 2645.4 |
| 67.5° | 699.7 | 968.2 | 1329.1 | 1754.3 | 2161.7 | 2525.1 | 2919.0 |
| 70° | 617.5 | 891.1 | 1289.2 | 1756.0 | 2220.2 | 2637.8 | 3091.8 |
| 72.5° | 496.4 | 744.6 | 1117.3 | 1597.6 | 2066.0 | 2526.8 | 3046.9 |
| 75° | 363.4 | 547.2 | 844.5 | 1237.6 | 1685.7 | 2103.3 | 2609.8 |
| 77.5° | 241.4 | 354.1 | 569.2 | 881.8 | 1208.8 | 1513.7 | 1878.8 |
| 80° | 166.0 | 219.4 | 332.9 | 530.3 | 739.5 | 887.7 | 1196.9 |
| 82.5° | 122.0 | 144.8 | 184.7 | 271.1 | 355.8 | 437.9 | 625.1 |
| 85° | 76.2 | 83.0 | 92.3 | 133.8 | 191.4 | 258.4 | 389.7 |
| 87.5° | 20.3 | 21.2 | 19.5 | 26.3 | 41.5 | 39.8 | 44.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)