

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: P152955

Luminaire Tested: **TLM-F04-LED-E1-SLL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P152955
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-F04-LED-E1-SLL
Description: TALON MEDIUM LED SITE LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT
Light Source: (28) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

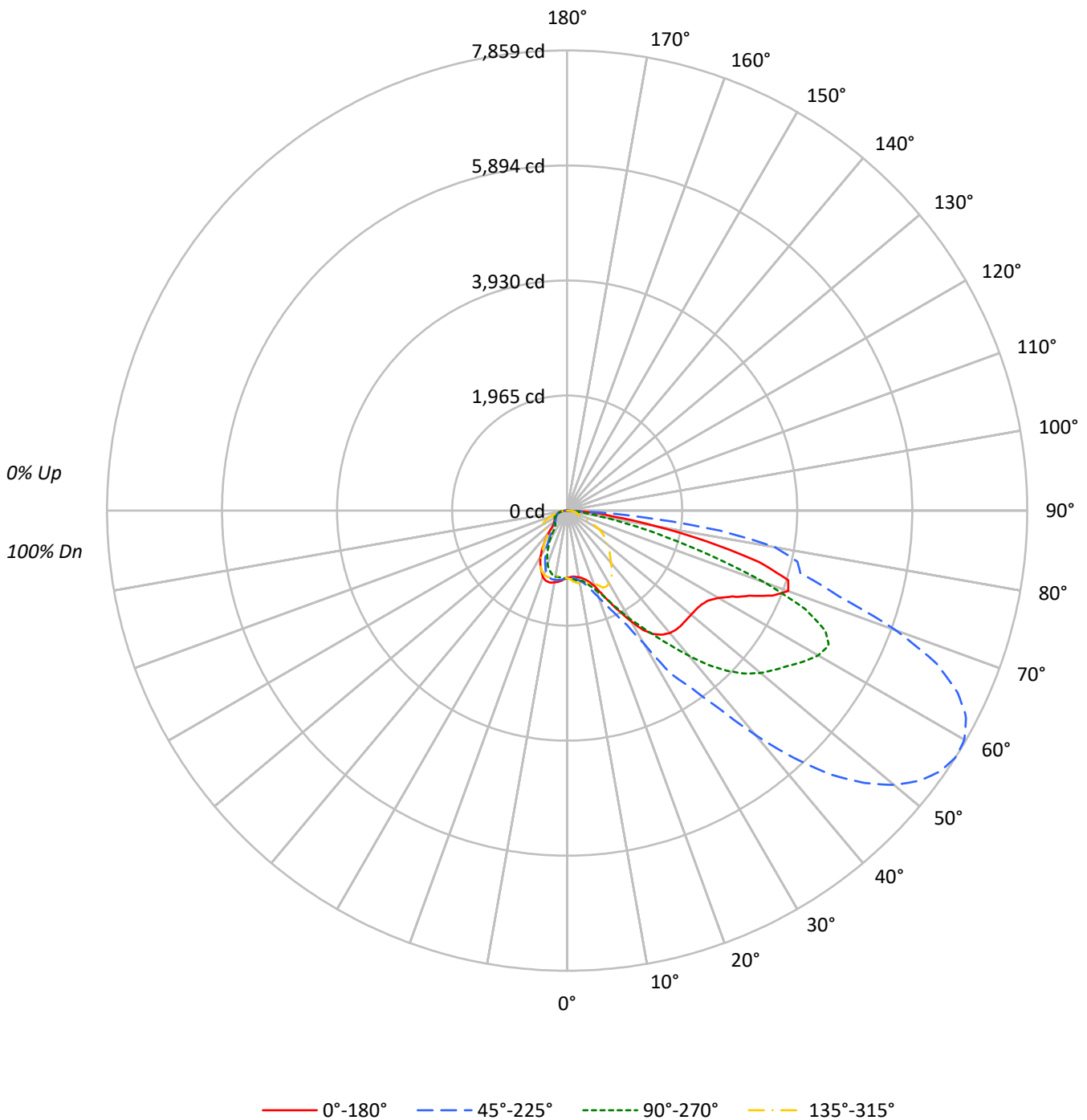
Lumens per Lamp: N/A
Luminaire Lumens: 9187.9 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Spacing Criteria (0/90/45): 1.93 / 2.48 / 2.44
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 102.2
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: P152955
CATALOG NUMBER: TLM-F04-LED-E1-SLL

Luminous Intensity Polar Plot





TEST NUMBER: P152955

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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 | 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° | 18549 | 18549 | 18549 | 18549 |
| 5° | 18230 | 19030 | 19438 | 18549 |
| 10° | 18853 | 19788 | 20309 | 18620 |
| 15° | 20340 | 21382 | 20998 | 18124 |
| 20° | 23504 | 24821 | 20701 | 16710 |
| 25° | 30769 | 30399 | 18887 | 14107 |
| 30° | 40552 | 39450 | 16846 | 10925 |
| 35° | 50514 | 51055 | 13491 | 7468 |
| 40° | 57247 | 67891 | 9880 | 6533 |
| 45° | 62771 | 87929 | 7427 | 6852 |
| 50° | 69107 | 107785 | 7098 | 7016 |
| 55° | 78340 | 129331 | 7246 | 7184 |
| 60° | 95808 | 159042 | 7888 | 7888 |
| 65° | 130674 | 185069 | 8325 | 8200 |
| 70° | 188717 | 168448 | 8789 | 8685 |
| 75° | 210506 | 109043 | 9702 | 9156 |
| 80° | 143893 | 52957 | 11102 | 9881 |
| 85° | 93327 | 25770 | 13382 | 12166 |



TEST NUMBER: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 112.4 | 1.2 |
| 10°-20° | 350.1 | 3.8 |
| 20°-30° | 621.9 | 6.8 |
| 30°-40° | 979.3 | 10.7 |
| 40°-50° | 1441.2 | 15.7 |
| 50°-60° | 1914.4 | 20.8 |
| 60°-70° | 2108.7 | 23.0 |
| 70°-80° | 1323.0 | 14.4 |
| 80°-90° | 337.0 | 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° | 1084.3 | 11.8 |
| 0°-40° | 2063.6 | 22.5 |
| 0°-60° | 5419.3 | 59.0 |
| 0°-90° | 9187.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 9187.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 90° | 180° | 270° | 360° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1155 | 1155 | 1155 | 1155 | 1155 | |
| 5° | 1130 | 1180 | 1205 | 1150 | 1130 | 109 |
| 15° | 1223 | 1286 | 1262 | 1090 | 1223 | 354 |
| 25° | 1736 | 1715 | 1066 | 796 | 1736 | 819 |
| 35° | 2576 | 2603 | 688 | 381 | 2576 | 1596 |
| 45° | 2763 | 3870 | 327 | 302 | 2763 | 2136 |
| 55° | 2797 | 4617 | 259 | 256 | 2797 | 2537 |
| 65° | 3438 | 4868 | 219 | 216 | 3438 | 3461 |
| 75° | 3391 | 1757 | 156 | 148 | 3391 | 3316 |
| 85° | 506 | 140 | 73 | 66 | 506 | 585 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1139.2 | 1141.4 | 1141.4 | 1140.3 | 1140.3 | 1142.5 | 1141.4 | 1140.3 | 1137.0 | 1141.4 | 1141.4 |
| 5° | 1130.4 | 1132.6 | 1132.6 | 1134.8 | 1137.0 | 1139.2 | 1139.2 | 1141.4 | 1140.3 | 1144.7 | 1148.0 |
| 7.5° | 1141.4 | 1143.6 | 1148.0 | 1153.5 | 1156.8 | 1164.5 | 1164.5 | 1170.0 | 1172.2 | 1175.5 | 1174.4 |
| 10° | 1155.7 | 1161.2 | 1171.1 | 1180.0 | 1186.6 | 1195.4 | 1202.0 | 1209.7 | 1209.7 | 1213.0 | 1215.2 |
| 12.5° | 1181.1 | 1186.6 | 1197.6 | 1208.6 | 1218.5 | 1229.5 | 1239.4 | 1247.1 | 1254.8 | 1257.0 | 1261.4 |
| 15° | 1222.9 | 1229.5 | 1246.0 | 1261.4 | 1273.5 | 1287.8 | 1301.0 | 1316.4 | 1330.7 | 1334.0 | 1336.2 |
| 17.5° | 1285.6 | 1298.8 | 1310.9 | 1338.5 | 1356.1 | 1374.8 | 1395.7 | 1417.7 | 1422.1 | 1445.2 | 1450.7 |
| 20° | 1374.8 | 1391.3 | 1402.3 | 1436.4 | 1466.1 | 1490.3 | 1521.2 | 1546.5 | 1556.4 | 1578.4 | 1600.4 |
| 22.5° | 1528.9 | 1525.6 | 1542.1 | 1576.2 | 1598.2 | 1646.6 | 1673.1 | 1699.5 | 1712.7 | 1745.7 | 1763.3 |
| 25° | 1735.8 | 1753.4 | 1789.7 | 1793.0 | 1814.0 | 1870.1 | 1904.2 | 1930.6 | 1931.7 | 1941.6 | 1960.3 |
| 27.5° | 1939.4 | 2012.1 | 2069.3 | 2100.1 | 2156.3 | 2208.0 | 2205.8 | 2243.2 | 2184.9 | 2197.0 | 2214.6 |
| 30° | 2186.0 | 2307.1 | 2414.9 | 2487.6 | 2544.8 | 2605.4 | 2635.1 | 2656.0 | 2630.7 | 2619.7 | 2598.8 |
| 32.5° | 2417.1 | 2586.6 | 2752.9 | 2881.6 | 2988.4 | 3088.6 | 3154.6 | 3184.3 | 3219.5 | 3308.7 | 3340.6 |
| 35° | 2575.6 | 2815.6 | 3022.5 | 3208.5 | 3386.9 | 3546.5 | 3662.0 | 3728.1 | 3702.8 | 3690.6 | 3684.0 |
| 37.5° | 2670.3 | 2963.1 | 3221.7 | 3484.8 | 3689.5 | 3928.4 | 4107.8 | 4281.7 | 4321.3 | 4252.0 | 4217.9 |
| 40° | 2729.7 | 3076.5 | 3408.9 | 3719.3 | 3984.5 | 4292.7 | 4515.1 | 4775.9 | 4974.1 | 5000.5 | 4919.0 |
| 42.5° | 2758.4 | 3152.4 | 3539.9 | 3891.0 | 4249.8 | 4627.3 | 4909.1 | 5225.0 | 5521.1 | 5724.7 | 5674.1 |
| 45° | 2762.8 | 3201.9 | 3635.6 | 4046.2 | 4473.2 | 4921.2 | 5284.5 | 5634.5 | 6030.7 | 6379.7 | 6389.6 |
| 47.5° | 2762.8 | 3239.4 | 3701.7 | 4158.4 | 4673.6 | 5176.6 | 5572.8 | 5986.7 | 6472.1 | 6884.9 | 7011.5 |
| 50° | 2765.0 | 3264.7 | 3763.3 | 4246.5 | 4826.6 | 5392.3 | 5840.3 | 6329.0 | 6839.7 | 7288.8 | 7533.2 |
| 52.5° | 2774.9 | 3283.4 | 3811.7 | 4309.2 | 4925.6 | 5544.2 | 6048.3 | 6611.9 | 7120.4 | 7581.6 | 7897.5 |
| 55° | 2796.9 | 3309.8 | 3846.9 | 4347.8 | 4991.7 | 5643.3 | 6199.1 | 6805.6 | 7302.0 | 7769.8 | 8211.2 |
| 57.5° | 2858.5 | 3356.0 | 3889.9 | 4381.9 | 5028.0 | 5708.2 | 6304.8 | 6889.3 | 7371.4 | 7859.0 | 8377.4 |
| 60° | 2981.8 | 3454.0 | 3963.6 | 4450.1 | 5088.5 | 5828.2 | 6355.4 | 6833.1 | 7320.8 | 7832.6 | 8414.9 |
| 62.5° | 3178.8 | 3607.0 | 4066.0 | 4565.7 | 5261.3 | 6014.2 | 6316.9 | 6665.8 | 7121.5 | 7679.6 | 8281.7 |
| 63° | 3247.1 | 3640.0 | 4089.1 | 4591.0 | 5308.7 | 6048.3 | 6300.4 | 6616.3 | 7080.8 | 7631.2 | 8234.3 |
| 65° | 3437.5 | 3786.4 | 4199.2 | 4718.7 | 5503.5 | 6082.5 | 6171.6 | 6358.7 | 6799.0 | 7354.9 | 7954.8 |
| 67.5° | 3793.0 | 4141.9 | 4435.8 | 4934.4 | 5667.5 | 5948.2 | 5772.1 | 5795.2 | 6255.3 | 6830.9 | 7370.3 |
| 70° | 4017.6 | 4433.6 | 4586.6 | 4962.0 | 5637.8 | 5749.0 | 5254.7 | 4948.7 | 5317.5 | 5973.5 | 6445.7 |
| 72.5° | 3959.2 | 4436.9 | 4420.4 | 4595.4 | 5043.4 | 5146.9 | 4635.0 | 4152.9 | 4372.0 | 4861.8 | 5167.8 |
| 75° | 3391.3 | 3962.5 | 3841.4 | 3806.2 | 3963.6 | 4031.9 | 3647.7 | 3574.0 | 3850.2 | 4122.1 | 4126.5 |
| 77.5° | 2441.4 | 3069.9 | 2927.9 | 2724.2 | 2713.2 | 2870.6 | 2922.4 | 3405.6 | 3813.9 | 4028.6 | 3933.9 |
| 80° | 1555.3 | 2236.6 | 2089.1 | 1733.6 | 1728.1 | 1932.8 | 2387.4 | 3044.5 | 3477.1 | 3597.1 | 3350.5 |
| 82.5° | 812.3 | 1463.9 | 1520.1 | 1301.0 | 1489.2 | 1828.3 | 2271.8 | 2453.5 | 2617.5 | 2634.0 | 2343.4 |
| 85° | 506.3 | 900.4 | 1058.9 | 1093.0 | 1345.1 | 1621.3 | 1618.0 | 1554.2 | 1481.5 | 1268.0 | 1146.9 |
| 87.5° | 57.2 | 113.4 | 171.7 | 162.9 | 219.0 | 307.1 | 383.0 | 224.5 | 157.4 | 57.2 | 79.3 |
| 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1143.6 | 1144.7 | 1145.8 | 1145.8 | 1151.3 | 1150.2 | 1151.3 | 1153.5 | 1156.8 | 1159.0 | 1161.2 |
| 5° | 1152.4 | 1152.4 | 1156.8 | 1160.1 | 1166.7 | 1171.1 | 1173.3 | 1180.0 | 1187.7 | 1185.5 | 1192.1 |
| 7.5° | 1181.1 | 1180.0 | 1184.4 | 1186.6 | 1192.1 | 1199.8 | 1198.7 | 1204.2 | 1210.8 | 1213.0 | 1218.5 |
| 10° | 1219.6 | 1216.3 | 1216.3 | 1214.1 | 1215.2 | 1213.0 | 1213.0 | 1213.0 | 1217.4 | 1216.3 | 1220.7 |
| 12.5° | 1259.2 | 1258.1 | 1255.9 | 1249.3 | 1249.3 | 1240.5 | 1236.1 | 1230.6 | 1229.5 | 1221.8 | 1222.9 |
| 15° | 1340.7 | 1340.7 | 1336.2 | 1323.0 | 1312.0 | 1304.3 | 1293.3 | 1285.6 | 1274.6 | 1260.3 | 1252.6 |
| 17.5° | 1459.5 | 1444.1 | 1438.6 | 1436.4 | 1418.8 | 1412.2 | 1388.0 | 1362.7 | 1350.6 | 1330.7 | 1319.7 |
| 20° | 1604.8 | 1601.5 | 1579.5 | 1568.5 | 1546.5 | 1515.7 | 1484.8 | 1451.8 | 1432.0 | 1407.8 | 1394.6 |
| 22.5° | 1768.8 | 1744.6 | 1733.6 | 1717.1 | 1683.0 | 1647.7 | 1601.5 | 1557.5 | 1526.7 | 1510.2 | 1500.3 |
| 25° | 1960.3 | 1936.1 | 1925.1 | 1903.1 | 1861.3 | 1823.9 | 1766.6 | 1714.9 | 1687.4 | 1659.9 | 1644.4 |
| 27.5° | 2214.6 | 2191.5 | 2178.3 | 2121.0 | 2106.7 | 2045.1 | 1974.7 | 1904.2 | 1867.9 | 1827.2 | 1800.7 |
| 30° | 2594.3 | 2595.5 | 2527.2 | 2457.9 | 2386.3 | 2279.5 | 2205.8 | 2126.6 | 2067.1 | 2008.8 | 1950.4 |
| 32.5° | 3236.1 | 3072.1 | 2945.5 | 2796.9 | 2641.7 | 2528.3 | 2436.9 | 2342.3 | 2259.7 | 2175.0 | 2078.1 |
| 35° | 3627.9 | 3548.7 | 3384.7 | 3112.8 | 2956.5 | 2818.9 | 2717.6 | 2603.2 | 2501.9 | 2352.2 | 2204.7 |
| 37.5° | 4070.4 | 3886.6 | 3687.3 | 3536.5 | 3359.3 | 3199.7 | 3030.2 | 2900.3 | 2725.3 | 2523.9 | 2314.8 |
| 40° | 4716.5 | 4453.4 | 4213.5 | 4011.0 | 3782.0 | 3614.7 | 3425.4 | 3237.2 | 3004.9 | 2713.2 | 2425.9 |
| 42.5° | 5391.2 | 5119.4 | 4802.4 | 4539.3 | 4269.6 | 4073.7 | 3839.2 | 3575.1 | 3233.9 | 2872.8 | 2521.7 |
| 45° | 6099.0 | 5735.7 | 5356.0 | 5034.6 | 4753.9 | 4510.7 | 4220.1 | 3870.1 | 3454.0 | 3015.9 | 2610.9 |
| 47.5° | 6796.8 | 6379.7 | 5927.3 | 5581.6 | 5216.2 | 4919.0 | 4562.4 | 4119.9 | 3625.7 | 3151.3 | 2700.0 |
| 50° | 7412.1 | 7010.4 | 6465.5 | 6026.3 | 5656.5 | 5290.0 | 4845.3 | 4312.5 | 3761.1 | 3268.0 | 2780.4 |
| 52.5° | 7942.7 | 7597.0 | 7023.6 | 6468.8 | 6042.8 | 5631.2 | 5073.1 | 4467.7 | 3897.6 | 3375.8 | 2846.4 |
| 55° | 8332.3 | 8102.3 | 7573.9 | 6886.0 | 6383.0 | 5892.0 | 5265.7 | 4617.4 | 4026.4 | 3461.7 | 2889.3 |
| 57.5° | 8626.2 | 8498.5 | 8045.0 | 7278.9 | 6695.6 | 6145.2 | 5465.0 | 4796.9 | 4154.0 | 3535.4 | 2909.1 |
| 60° | 8786.9 | 8822.1 | 8401.6 | 7622.3 | 6971.8 | 6356.5 | 5664.2 | 4949.8 | 4248.7 | 3578.4 | 2898.1 |
| 62.5° | 8771.5 | 8987.2 | 8669.1 | 7833.7 | 7132.5 | 6482.0 | 5798.5 | 5021.4 | 4235.5 | 3510.1 | 2798.0 |
| 63° | 8741.8 | 8992.7 | 8698.8 | 7848.0 | 7142.4 | 6486.4 | 5801.8 | 5011.5 | 4208.0 | 3477.1 | 2758.4 |
| 65° | 8485.3 | 8866.1 | 8673.5 | 7783.0 | 7054.4 | 6403.9 | 5732.4 | 4868.4 | 4014.3 | 3299.9 | 2554.7 |
| 67.5° | 7798.5 | 8275.1 | 8220.0 | 7324.1 | 6637.2 | 6062.7 | 5378.0 | 4407.2 | 3535.4 | 2864.0 | 2165.1 |
| 70° | 6663.6 | 7111.6 | 7121.5 | 6369.8 | 5796.3 | 5232.7 | 4663.7 | 3586.1 | 2802.4 | 2220.1 | 1614.7 |
| 72.5° | 5107.2 | 5395.6 | 5495.8 | 5000.5 | 4616.3 | 4220.1 | 3709.4 | 2603.2 | 1997.8 | 1510.2 | 1051.2 |
| 75° | 3954.8 | 3875.6 | 3874.5 | 3665.3 | 3509.0 | 3315.3 | 2754.0 | 1756.7 | 1312.0 | 981.8 | 642.8 |
| 77.5° | 3555.3 | 3203.0 | 2861.8 | 2610.9 | 2485.4 | 2420.4 | 1806.2 | 1058.9 | 773.8 | 564.7 | 369.8 |
| 80° | 2932.3 | 2412.7 | 1949.3 | 1678.6 | 1570.7 | 1645.5 | 1007.1 | 572.4 | 423.8 | 321.4 | 240.0 |
| 82.5° | 2022.0 | 1678.6 | 1275.7 | 1056.7 | 907.0 | 948.8 | 515.1 | 292.8 | 195.9 | 179.4 | 148.6 |
| 85° | 1053.4 | 923.5 | 779.3 | 669.2 | 591.1 | 519.5 | 267.5 | 139.8 | 81.5 | 71.5 | 64.9 |
| 87.5° | 0.0 | 1.1 | 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1164.5 | 1163.4 | 1165.6 | 1166.7 | 1170.0 | 1172.2 | 1173.3 | 1171.1 | 1174.4 | 1177.7 | 1175.5 |
| 5° | 1195.4 | 1203.1 | 1204.2 | 1207.5 | 1207.5 | 1214.1 | 1214.1 | 1214.1 | 1213.0 | 1214.1 | 1211.9 |
| 7.5° | 1221.8 | 1231.7 | 1232.8 | 1237.2 | 1238.3 | 1246.0 | 1242.7 | 1244.9 | 1244.9 | 1239.4 | 1237.2 |
| 10° | 1225.1 | 1235.0 | 1240.5 | 1246.0 | 1253.7 | 1263.6 | 1263.6 | 1269.1 | 1269.1 | 1264.7 | 1263.6 |
| 12.5° | 1226.2 | 1233.9 | 1239.4 | 1247.1 | 1258.1 | 1272.4 | 1280.1 | 1287.8 | 1291.1 | 1290.0 | 1286.7 |
| 15° | 1249.3 | 1249.3 | 1250.4 | 1257.0 | 1264.7 | 1282.3 | 1293.3 | 1302.1 | 1307.6 | 1305.4 | 1299.9 |
| 17.5° | 1309.8 | 1301.0 | 1294.4 | 1283.4 | 1285.6 | 1294.4 | 1301.0 | 1308.7 | 1309.8 | 1307.6 | 1298.8 |
| 20° | 1380.3 | 1369.3 | 1352.8 | 1335.1 | 1326.3 | 1319.7 | 1315.3 | 1315.3 | 1312.0 | 1301.0 | 1286.7 |
| 22.5° | 1480.4 | 1466.1 | 1443.0 | 1416.6 | 1399.0 | 1378.1 | 1352.8 | 1328.5 | 1302.1 | 1275.7 | 1244.9 |
| 25° | 1619.1 | 1599.3 | 1575.1 | 1534.4 | 1497.0 | 1452.9 | 1401.2 | 1347.3 | 1284.5 | 1229.5 | 1184.4 |
| 27.5° | 1758.9 | 1714.9 | 1652.2 | 1596.0 | 1526.7 | 1460.6 | 1386.9 | 1320.8 | 1240.5 | 1174.4 | 1124.9 |
| 30° | 1874.5 | 1790.8 | 1700.6 | 1611.4 | 1520.1 | 1430.9 | 1342.9 | 1263.6 | 1175.5 | 1108.4 | 1060.0 |
| 32.5° | 1963.6 | 1848.1 | 1722.6 | 1605.9 | 1493.6 | 1384.7 | 1283.4 | 1195.4 | 1106.2 | 1036.9 | 985.1 |
| 35° | 2046.2 | 1885.5 | 1725.9 | 1581.7 | 1443.0 | 1329.6 | 1215.2 | 1119.4 | 1024.8 | 952.1 | 896.0 |
| 37.5° | 2107.8 | 1903.1 | 1706.1 | 1536.6 | 1377.0 | 1250.4 | 1133.7 | 1035.8 | 938.9 | 859.6 | 795.8 |
| 40° | 2147.5 | 1892.1 | 1663.2 | 1471.6 | 1298.8 | 1165.6 | 1046.8 | 945.5 | 851.9 | 765.0 | 687.9 |
| 42.5° | 2179.4 | 1877.8 | 1620.2 | 1412.2 | 1237.2 | 1091.9 | 969.7 | 860.7 | 766.1 | 671.4 | 586.7 |
| 45° | 2226.7 | 1888.8 | 1601.5 | 1370.4 | 1182.2 | 1029.2 | 894.9 | 781.5 | 682.4 | 590.0 | 508.5 |
| 47.5° | 2272.9 | 1894.3 | 1574.0 | 1318.6 | 1112.8 | 964.2 | 827.7 | 717.7 | 616.4 | 531.6 | 456.8 |
| 50° | 2314.8 | 1891.0 | 1531.1 | 1252.6 | 1045.7 | 899.3 | 767.2 | 657.1 | 557.0 | 478.8 | 408.4 |
| 52.5° | 2334.6 | 1872.3 | 1478.2 | 1188.8 | 991.7 | 842.0 | 707.8 | 601.0 | 501.9 | 428.2 | 363.2 |
| 55° | 2332.4 | 1823.9 | 1408.9 | 1128.2 | 932.3 | 781.5 | 649.4 | 543.7 | 454.6 | 386.3 | 330.2 |
| 57.5° | 2299.4 | 1749.0 | 1335.1 | 1061.1 | 854.1 | 706.6 | 581.2 | 478.8 | 404.0 | 346.7 | 299.4 |
| 60° | 2230.0 | 1653.3 | 1238.3 | 963.1 | 756.2 | 614.2 | 496.4 | 408.4 | 347.8 | 303.8 | 273.0 |
| 62.5° | 2100.1 | 1515.7 | 1117.2 | 826.6 | 624.1 | 494.2 | 391.8 | 334.6 | 289.5 | 263.1 | 248.8 |
| 63° | 2061.6 | 1478.2 | 1065.5 | 793.6 | 593.3 | 466.7 | 369.8 | 310.4 | 277.4 | 254.3 | 241.1 |
| 65° | 1870.1 | 1294.4 | 891.6 | 640.6 | 461.2 | 359.9 | 297.2 | 252.1 | 232.2 | 222.3 | 221.2 |
| 67.5° | 1514.6 | 1018.1 | 630.7 | 439.2 | 313.7 | 259.8 | 227.8 | 209.1 | 200.3 | 198.1 | 200.3 |
| 70° | 1063.3 | 642.8 | 400.7 | 291.7 | 232.2 | 209.1 | 194.8 | 187.1 | 181.6 | 182.7 | 184.9 |
| 72.5° | 678.0 | 385.2 | 275.2 | 221.2 | 195.9 | 183.8 | 177.2 | 175.0 | 173.9 | 172.8 | 172.8 |
| 75° | 386.3 | 256.5 | 211.3 | 191.5 | 178.3 | 168.4 | 162.9 | 160.7 | 161.8 | 162.9 | 160.7 |
| 77.5° | 255.4 | 211.3 | 188.2 | 175.0 | 162.9 | 151.9 | 148.6 | 147.5 | 149.7 | 151.9 | 151.9 |
| 80° | 201.4 | 188.2 | 175.0 | 161.8 | 142.0 | 134.3 | 136.5 | 137.6 | 136.5 | 137.6 | 134.3 |
| 82.5° | 142.0 | 139.8 | 143.1 | 137.6 | 117.8 | 111.2 | 109.0 | 110.1 | 107.9 | 107.9 | 105.7 |
| 85° | 66.0 | 66.0 | 69.3 | 69.3 | 67.1 | 68.2 | 73.7 | 80.4 | 83.7 | 80.4 | 75.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 19.8 | 28.6 | 30.8 | 38.5 | 37.4 |
| 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° | 185° | 190° | 195° | 200° | 205° | 210° | 215° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1172.2 | 1174.4 | 1173.3 | 1172.2 | 1174.4 | 1172.2 | 1173.3 | 1172.2 | 1172.2 | 1171.1 | 1171.1 |
| 5° | 1209.7 | 1213.0 | 1206.4 | 1205.3 | 1203.1 | 1197.6 | 1197.6 | 1195.4 | 1195.4 | 1191.0 | 1187.7 |
| 7.5° | 1233.9 | 1235.0 | 1229.5 | 1228.4 | 1222.9 | 1217.4 | 1213.0 | 1208.6 | 1207.5 | 1204.2 | 1197.6 |
| 10° | 1257.0 | 1254.8 | 1250.4 | 1244.9 | 1239.4 | 1231.7 | 1226.2 | 1220.7 | 1219.6 | 1214.1 | 1206.4 |
| 12.5° | 1276.8 | 1275.7 | 1266.9 | 1261.4 | 1252.6 | 1244.9 | 1238.3 | 1231.7 | 1228.4 | 1221.8 | 1210.8 |
| 15° | 1290.0 | 1283.4 | 1272.4 | 1262.5 | 1252.6 | 1243.8 | 1236.1 | 1228.4 | 1225.1 | 1217.4 | 1206.4 |
| 17.5° | 1284.5 | 1272.4 | 1258.1 | 1246.0 | 1232.8 | 1221.8 | 1215.2 | 1207.5 | 1202.0 | 1197.6 | 1182.2 |
| 20° | 1264.7 | 1247.1 | 1225.1 | 1210.8 | 1193.2 | 1178.8 | 1174.4 | 1166.7 | 1162.3 | 1145.8 | 1126.0 |
| 22.5° | 1213.0 | 1187.7 | 1160.1 | 1139.2 | 1119.4 | 1105.1 | 1094.1 | 1086.4 | 1075.4 | 1065.5 | 1034.7 |
| 25° | 1148.0 | 1119.4 | 1090.8 | 1065.5 | 1039.1 | 1017.0 | 997.2 | 978.5 | 973.0 | 952.1 | 922.4 |
| 27.5° | 1085.3 | 1053.4 | 1024.8 | 995.0 | 960.9 | 933.4 | 899.3 | 872.9 | 855.2 | 833.2 | 805.7 |
| 30° | 1018.1 | 986.2 | 947.7 | 908.1 | 868.5 | 838.7 | 800.2 | 768.3 | 746.3 | 723.2 | 697.8 |
| 32.5° | 933.4 | 894.9 | 848.6 | 804.6 | 768.3 | 733.1 | 694.5 | 663.7 | 641.7 | 620.8 | 596.6 |
| 35° | 836.5 | 785.9 | 736.4 | 687.9 | 649.4 | 619.7 | 585.6 | 562.5 | 547.0 | 528.3 | 503.0 |
| 37.5° | 725.4 | 668.1 | 615.3 | 577.9 | 543.7 | 515.1 | 490.9 | 476.6 | 460.1 | 450.2 | 434.8 |
| 40° | 613.1 | 557.0 | 505.2 | 471.1 | 442.5 | 426.0 | 412.8 | 409.5 | 398.5 | 385.2 | 375.3 |
| 42.5° | 514.0 | 460.1 | 409.5 | 381.9 | 363.2 | 358.8 | 352.2 | 352.2 | 346.7 | 336.8 | 330.2 |
| 45° | 446.9 | 390.7 | 346.7 | 326.9 | 317.0 | 315.9 | 312.6 | 312.6 | 311.5 | 307.1 | 299.4 |
| 47.5° | 398.5 | 347.8 | 313.7 | 301.6 | 299.4 | 297.2 | 293.9 | 292.8 | 291.7 | 288.4 | 284.0 |
| 50° | 354.4 | 311.5 | 289.5 | 284.0 | 285.1 | 281.8 | 278.5 | 275.2 | 274.1 | 270.8 | 266.4 |
| 52.5° | 313.7 | 282.9 | 268.6 | 265.3 | 265.3 | 265.3 | 263.1 | 263.1 | 260.9 | 259.8 | 255.4 |
| 55° | 290.6 | 267.5 | 259.8 | 258.7 | 257.6 | 256.5 | 254.3 | 254.3 | 252.1 | 251.0 | 245.5 |
| 57.5° | 270.8 | 256.5 | 252.1 | 249.9 | 248.8 | 246.6 | 245.5 | 245.5 | 245.5 | 245.5 | 238.9 |
| 60° | 255.4 | 248.8 | 247.7 | 245.5 | 244.4 | 240.0 | 237.8 | 236.7 | 237.8 | 238.9 | 232.2 |
| 62.5° | 238.9 | 237.8 | 236.7 | 234.4 | 233.3 | 228.9 | 225.6 | 223.4 | 225.6 | 227.8 | 226.7 |
| 63° | 234.4 | 233.3 | 233.3 | 232.2 | 231.1 | 225.6 | 222.3 | 220.1 | 222.3 | 224.5 | 224.5 |
| 65° | 219.0 | 220.1 | 220.1 | 219.0 | 217.9 | 214.6 | 210.2 | 208.0 | 209.1 | 212.4 | 213.5 |
| 67.5° | 202.5 | 203.6 | 202.5 | 203.6 | 202.5 | 200.3 | 197.0 | 194.8 | 193.7 | 194.8 | 195.9 |
| 70° | 187.1 | 189.3 | 188.2 | 187.1 | 186.0 | 186.0 | 183.8 | 180.5 | 179.4 | 178.3 | 178.3 |
| 72.5° | 173.9 | 173.9 | 171.7 | 171.7 | 170.6 | 170.6 | 168.4 | 165.1 | 164.0 | 164.0 | 161.8 |
| 75° | 159.6 | 159.6 | 156.3 | 156.3 | 154.1 | 155.2 | 153.0 | 149.7 | 148.6 | 148.6 | 147.5 |
| 77.5° | 150.8 | 147.5 | 142.0 | 140.9 | 139.8 | 139.8 | 138.7 | 135.4 | 134.3 | 134.3 | 133.2 |
| 80° | 133.2 | 126.6 | 121.1 | 120.0 | 121.1 | 123.3 | 123.3 | 121.1 | 121.1 | 121.1 | 121.1 |
| 82.5° | 103.5 | 101.3 | 98.0 | 95.8 | 95.8 | 99.1 | 103.5 | 105.7 | 107.9 | 110.1 | 110.1 |
| 85° | 75.9 | 77.0 | 75.9 | 72.6 | 71.5 | 74.8 | 79.3 | 83.7 | 84.8 | 89.2 | 88.1 |
| 87.5° | 40.7 | 41.8 | 38.5 | 37.4 | 40.7 | 42.9 | 47.3 | 48.4 | 50.6 | 51.7 | 52.8 |
| 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 220° | 225° | 230° | 235° | 240° | 245° | 250° | 255° | 260° | 265° | 270° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1170.0 | 1168.9 | 1170.0 | 1167.8 | 1167.8 | 1165.6 | 1163.4 | 1162.3 | 1160.1 | 1159.0 | 1156.8 |
| 5° | 1189.9 | 1186.6 | 1183.3 | 1182.2 | 1177.7 | 1173.3 | 1170.0 | 1164.5 | 1160.1 | 1152.4 | 1150.2 |
| 7.5° | 1203.1 | 1195.4 | 1191.0 | 1189.9 | 1183.3 | 1180.0 | 1172.2 | 1165.6 | 1159.0 | 1149.1 | 1145.8 |
| 10° | 1208.6 | 1200.9 | 1193.2 | 1189.9 | 1182.2 | 1176.6 | 1168.9 | 1159.0 | 1153.5 | 1143.6 | 1141.4 |
| 12.5° | 1215.2 | 1200.9 | 1188.8 | 1180.0 | 1168.9 | 1156.8 | 1149.1 | 1143.6 | 1135.9 | 1130.4 | 1128.2 |
| 15° | 1203.1 | 1184.4 | 1165.6 | 1149.1 | 1131.5 | 1118.3 | 1110.6 | 1101.8 | 1093.0 | 1089.7 | 1089.7 |
| 17.5° | 1170.0 | 1145.8 | 1113.9 | 1093.0 | 1074.3 | 1060.0 | 1050.1 | 1041.3 | 1040.2 | 1035.8 | 1038.0 |
| 20° | 1101.8 | 1069.9 | 1039.1 | 1023.7 | 1012.6 | 1003.8 | 993.9 | 989.5 | 986.2 | 979.6 | 977.4 |
| 22.5° | 1007.1 | 980.7 | 958.7 | 947.7 | 938.9 | 927.9 | 919.1 | 905.9 | 902.6 | 896.0 | 892.7 |
| 25° | 902.6 | 881.7 | 862.9 | 855.2 | 849.7 | 834.3 | 828.8 | 811.2 | 799.1 | 791.4 | 795.8 |
| 27.5° | 798.0 | 782.6 | 765.0 | 755.1 | 751.8 | 737.5 | 732.0 | 712.2 | 702.2 | 702.2 | 691.2 |
| 30° | 690.1 | 675.8 | 664.8 | 653.8 | 651.6 | 634.0 | 619.7 | 612.0 | 601.0 | 596.6 | 588.9 |
| 32.5° | 588.9 | 574.6 | 565.8 | 560.3 | 551.5 | 537.1 | 522.8 | 509.6 | 492.0 | 485.4 | 482.1 |
| 35° | 495.3 | 484.3 | 473.3 | 468.9 | 456.8 | 441.4 | 423.8 | 412.8 | 391.8 | 384.1 | 380.8 |
| 37.5° | 423.8 | 410.6 | 402.9 | 390.7 | 378.6 | 362.1 | 348.9 | 339.0 | 331.3 | 328.0 | 328.0 |
| 40° | 366.5 | 356.6 | 347.8 | 337.9 | 328.0 | 319.2 | 312.6 | 310.4 | 309.3 | 309.3 | 311.5 |
| 42.5° | 323.6 | 314.8 | 310.4 | 304.9 | 301.6 | 301.6 | 300.5 | 301.6 | 302.7 | 303.8 | 307.1 |
| 45° | 295.0 | 289.5 | 287.3 | 286.2 | 288.4 | 290.6 | 291.7 | 293.9 | 298.3 | 300.5 | 301.6 |
| 47.5° | 279.6 | 275.2 | 274.1 | 275.2 | 278.5 | 282.9 | 287.3 | 290.6 | 293.9 | 295.0 | 296.1 |
| 50° | 264.2 | 258.7 | 256.5 | 258.7 | 263.1 | 269.7 | 273.0 | 278.5 | 280.7 | 282.9 | 280.7 |
| 52.5° | 251.0 | 246.6 | 245.5 | 245.5 | 249.9 | 254.3 | 258.7 | 263.1 | 264.2 | 264.2 | 263.1 |
| 55° | 240.0 | 236.7 | 233.3 | 235.5 | 238.9 | 243.3 | 249.9 | 253.2 | 255.4 | 256.5 | 256.5 |
| 57.5° | 231.1 | 227.8 | 224.5 | 226.7 | 230.0 | 234.4 | 241.1 | 244.4 | 246.6 | 249.9 | 251.0 |
| 60° | 224.5 | 220.1 | 216.8 | 220.1 | 223.4 | 230.0 | 235.5 | 238.9 | 244.4 | 245.5 | 245.5 |
| 62.5° | 217.9 | 213.5 | 208.0 | 211.3 | 211.3 | 214.6 | 220.1 | 224.5 | 230.0 | 232.2 | 232.2 |
| 63° | 216.8 | 212.4 | 206.9 | 209.1 | 209.1 | 211.3 | 215.7 | 220.1 | 226.7 | 228.9 | 227.8 |
| 65° | 208.0 | 206.9 | 201.4 | 201.4 | 199.2 | 201.4 | 204.7 | 209.1 | 212.4 | 215.7 | 215.7 |
| 67.5° | 193.7 | 192.6 | 191.5 | 191.5 | 191.5 | 193.7 | 195.9 | 199.2 | 202.5 | 204.7 | 203.6 |
| 70° | 177.2 | 177.2 | 177.2 | 178.3 | 178.3 | 180.5 | 181.6 | 180.5 | 183.8 | 186.0 | 184.9 |
| 72.5° | 162.9 | 161.8 | 160.7 | 162.9 | 161.8 | 161.8 | 164.0 | 162.9 | 166.2 | 166.2 | 167.3 |
| 75° | 147.5 | 146.4 | 146.4 | 147.5 | 145.3 | 143.1 | 144.2 | 144.2 | 145.3 | 145.3 | 147.5 |
| 77.5° | 134.3 | 134.3 | 134.3 | 133.2 | 131.0 | 129.9 | 128.8 | 128.8 | 128.8 | 128.8 | 129.9 |
| 80° | 122.2 | 122.2 | 122.2 | 121.1 | 118.9 | 116.7 | 114.5 | 113.4 | 112.3 | 106.8 | 106.8 |
| 82.5° | 110.1 | 110.1 | 110.1 | 110.1 | 109.0 | 106.8 | 103.5 | 94.7 | 90.3 | 85.9 | 87.0 |
| 85° | 87.0 | 89.2 | 91.4 | 94.7 | 93.6 | 93.6 | 87.0 | 75.9 | 69.3 | 64.9 | 66.0 |
| 87.5° | 56.1 | 49.5 | 49.5 | 48.4 | 46.2 | 44.0 | 44.0 | 37.4 | 30.8 | 27.5 | 28.6 |
| 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 275° | 280° | 285° | 290° | 295° | 300° | 305° | 310° | 315° | 320° | 325° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1156.8 | 1154.6 | 1152.4 | 1152.4 | 1149.1 | 1149.1 | 1146.9 | 1151.3 | 1146.9 | 1143.6 | 1143.6 |
| 5° | 1148.0 | 1145.8 | 1139.2 | 1138.1 | 1133.7 | 1133.7 | 1133.7 | 1131.5 | 1131.5 | 1129.3 | 1128.2 |
| 7.5° | 1142.5 | 1137.0 | 1131.5 | 1128.2 | 1128.2 | 1126.0 | 1130.4 | 1128.2 | 1129.3 | 1129.3 | 1130.4 |
| 10° | 1138.1 | 1133.7 | 1131.5 | 1130.4 | 1130.4 | 1133.7 | 1137.0 | 1138.1 | 1137.0 | 1138.1 | 1138.1 |
| 12.5° | 1127.1 | 1129.3 | 1130.4 | 1134.8 | 1140.3 | 1146.9 | 1154.6 | 1155.7 | 1157.9 | 1157.9 | 1160.1 |
| 15° | 1091.9 | 1097.4 | 1104.0 | 1115.0 | 1129.3 | 1143.6 | 1157.9 | 1170.0 | 1181.1 | 1186.6 | 1191.0 |
| 17.5° | 1042.4 | 1047.9 | 1060.0 | 1072.1 | 1090.8 | 1111.7 | 1135.9 | 1156.8 | 1180.0 | 1200.9 | 1221.8 |
| 20° | 975.2 | 984.0 | 987.3 | 1009.3 | 1031.4 | 1060.0 | 1088.6 | 1121.6 | 1161.2 | 1200.9 | 1241.6 |
| 22.5° | 888.3 | 898.2 | 913.6 | 931.2 | 954.3 | 989.5 | 1023.7 | 1075.4 | 1128.2 | 1184.4 | 1248.2 |
| 25° | 791.4 | 802.4 | 815.6 | 834.3 | 857.4 | 894.9 | 944.4 | 999.4 | 1064.4 | 1138.1 | 1217.4 |
| 27.5° | 691.2 | 702.2 | 713.3 | 726.5 | 752.9 | 792.5 | 850.8 | 908.1 | 979.6 | 1060.0 | 1152.4 |
| 30° | 591.1 | 592.2 | 598.8 | 615.3 | 642.8 | 694.5 | 737.5 | 809.0 | 883.9 | 968.6 | 1075.4 |
| 32.5° | 481.0 | 479.9 | 487.6 | 501.9 | 528.3 | 577.9 | 630.7 | 700.0 | 773.8 | 880.6 | 990.6 |
| 35° | 383.0 | 383.0 | 397.4 | 411.7 | 441.4 | 476.6 | 522.8 | 584.5 | 671.4 | 770.5 | 880.6 |
| 37.5° | 331.3 | 339.0 | 347.8 | 362.1 | 385.2 | 412.8 | 453.5 | 507.4 | 575.7 | 670.3 | 771.6 |
| 40° | 314.8 | 319.2 | 326.9 | 340.1 | 359.9 | 385.2 | 415.0 | 455.7 | 508.5 | 584.5 | 676.9 |
| 42.5° | 308.2 | 309.3 | 313.7 | 323.6 | 341.2 | 366.5 | 397.4 | 433.7 | 473.3 | 527.2 | 607.6 |
| 45° | 301.6 | 300.5 | 302.7 | 310.4 | 324.7 | 353.3 | 388.5 | 428.2 | 467.8 | 512.9 | 579.0 |
| 47.5° | 296.1 | 296.1 | 296.1 | 299.4 | 312.6 | 341.2 | 381.9 | 428.2 | 475.5 | 526.1 | 591.1 |
| 50° | 280.7 | 279.6 | 279.6 | 281.8 | 291.7 | 322.5 | 370.9 | 427.1 | 488.7 | 554.8 | 628.5 |
| 52.5° | 263.1 | 263.1 | 264.2 | 265.3 | 274.1 | 304.9 | 358.8 | 427.1 | 504.1 | 592.2 | 684.6 |
| 55° | 257.6 | 258.7 | 259.8 | 258.7 | 265.3 | 291.7 | 345.6 | 420.5 | 510.7 | 621.9 | 745.2 |
| 57.5° | 253.2 | 255.4 | 255.4 | 254.3 | 258.7 | 280.7 | 332.4 | 407.3 | 505.2 | 632.9 | 788.1 |
| 60° | 246.6 | 246.6 | 246.6 | 243.3 | 245.5 | 265.3 | 312.6 | 386.3 | 487.6 | 623.0 | 794.7 |
| 62.5° | 232.2 | 232.2 | 230.0 | 228.9 | 227.8 | 243.3 | 286.2 | 355.5 | 455.7 | 596.6 | 778.2 |
| 63° | 228.9 | 227.8 | 227.8 | 224.5 | 224.5 | 238.9 | 280.7 | 351.1 | 446.9 | 590.0 | 771.6 |
| 65° | 216.8 | 216.8 | 216.8 | 214.6 | 213.5 | 224.5 | 258.7 | 320.3 | 412.8 | 559.2 | 738.6 |
| 67.5° | 203.6 | 204.7 | 202.5 | 201.4 | 200.3 | 206.9 | 233.3 | 281.8 | 359.9 | 494.2 | 676.9 |
| 70° | 184.9 | 186.0 | 186.0 | 184.9 | 183.8 | 188.2 | 204.7 | 242.2 | 298.3 | 411.7 | 576.8 |
| 72.5° | 168.4 | 170.6 | 170.6 | 172.8 | 172.8 | 176.1 | 182.7 | 201.4 | 238.9 | 321.4 | 453.5 |
| 75° | 150.8 | 151.9 | 154.1 | 156.3 | 154.1 | 153.0 | 154.1 | 168.4 | 187.1 | 237.8 | 323.6 |
| 77.5° | 135.4 | 138.7 | 138.7 | 137.6 | 134.3 | 132.1 | 132.1 | 138.7 | 154.1 | 180.5 | 231.1 |
| 80° | 112.3 | 117.8 | 118.9 | 115.6 | 112.3 | 112.3 | 114.5 | 118.9 | 128.8 | 148.6 | 175.0 |
| 82.5° | 90.3 | 95.8 | 96.9 | 98.0 | 96.9 | 100.2 | 100.2 | 101.3 | 106.8 | 122.2 | 143.1 |
| 85° | 69.3 | 73.7 | 77.0 | 78.1 | 79.3 | 80.4 | 79.3 | 73.7 | 77.0 | 87.0 | 96.9 |
| 87.5° | 30.8 | 31.9 | 29.7 | 30.8 | 29.7 | 30.8 | 31.9 | 26.4 | 25.3 | 34.1 | 35.2 |
| 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: P152955

CATALOG NUMBER: TLM-F04-LED-E1-SLL

CANDELA DISTRIBUTION (continued):

| | 330° | 335° | 340° | 345° | 350° | 355° | 360° |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 | 1154.6 |
| 2.5° | 1142.5 | 1142.5 | 1143.6 | 1141.4 | 1141.4 | 1142.5 | 1139.2 |
| 5° | 1124.9 | 1129.3 | 1129.3 | 1129.3 | 1127.1 | 1129.3 | 1130.4 |
| 7.5° | 1129.3 | 1132.6 | 1134.8 | 1134.8 | 1133.7 | 1138.1 | 1141.4 |
| 10° | 1134.8 | 1140.3 | 1142.5 | 1142.5 | 1142.5 | 1148.0 | 1155.7 |
| 12.5° | 1155.7 | 1160.1 | 1163.4 | 1163.4 | 1165.6 | 1172.2 | 1181.1 |
| 15° | 1194.3 | 1199.8 | 1199.8 | 1198.7 | 1205.3 | 1213.0 | 1222.9 |
| 17.5° | 1237.2 | 1252.6 | 1260.3 | 1259.2 | 1264.7 | 1274.6 | 1285.6 |
| 20° | 1277.9 | 1320.8 | 1339.6 | 1352.8 | 1358.3 | 1371.5 | 1374.8 |
| 22.5° | 1312.0 | 1383.6 | 1435.3 | 1479.3 | 1500.3 | 1513.5 | 1528.9 |
| 25° | 1299.9 | 1396.8 | 1489.2 | 1579.5 | 1643.3 | 1708.3 | 1735.8 |
| 27.5° | 1250.4 | 1371.5 | 1492.5 | 1624.6 | 1740.2 | 1855.8 | 1939.4 |
| 30° | 1189.9 | 1335.1 | 1498.1 | 1685.2 | 1867.9 | 2045.1 | 2186.0 |
| 32.5° | 1120.5 | 1301.0 | 1510.2 | 1741.3 | 1981.3 | 2213.5 | 2417.1 |
| 35° | 1033.6 | 1236.1 | 1480.4 | 1746.8 | 2029.7 | 2311.5 | 2575.6 |
| 37.5° | 923.5 | 1148.0 | 1411.1 | 1707.2 | 2031.9 | 2354.4 | 2670.3 |
| 40° | 813.4 | 1036.9 | 1323.0 | 1649.9 | 2003.3 | 2364.3 | 2729.7 |
| 42.5° | 736.4 | 937.8 | 1233.9 | 1577.3 | 1957.0 | 2348.9 | 2758.4 |
| 45° | 683.5 | 866.3 | 1154.6 | 1511.3 | 1907.5 | 2321.4 | 2762.8 |
| 47.5° | 679.1 | 835.4 | 1102.9 | 1462.8 | 1867.9 | 2297.2 | 2762.8 |
| 50° | 716.6 | 851.9 | 1085.3 | 1438.6 | 1851.4 | 2289.5 | 2765.0 |
| 52.5° | 787.0 | 918.0 | 1117.2 | 1457.3 | 1864.6 | 2299.4 | 2774.9 |
| 55° | 871.8 | 1018.1 | 1203.1 | 1522.3 | 1920.7 | 2332.4 | 2796.9 |
| 57.5° | 948.8 | 1133.7 | 1349.5 | 1647.7 | 2023.1 | 2416.0 | 2858.5 |
| 60° | 993.9 | 1232.8 | 1504.7 | 1823.9 | 2198.1 | 2582.2 | 2981.8 |
| 62.5° | 999.4 | 1287.8 | 1642.2 | 2015.4 | 2410.5 | 2772.7 | 3178.8 |
| 63° | 995.0 | 1292.2 | 1659.9 | 2051.7 | 2455.7 | 2820.0 | 3247.1 |
| 65° | 970.8 | 1293.3 | 1709.4 | 2179.4 | 2612.0 | 3019.2 | 3437.5 |
| 67.5° | 909.2 | 1258.1 | 1727.0 | 2279.5 | 2809.0 | 3281.2 | 3793.0 |
| 70° | 802.4 | 1157.9 | 1675.3 | 2281.8 | 2884.9 | 3427.6 | 4017.6 |
| 72.5° | 645.0 | 967.5 | 1451.8 | 2075.9 | 2684.6 | 3283.4 | 3959.2 |
| 75° | 472.2 | 711.1 | 1097.4 | 1608.1 | 2190.4 | 2733.0 | 3391.3 |
| 77.5° | 313.7 | 460.1 | 739.7 | 1145.8 | 1570.7 | 1967.0 | 2441.4 |
| 80° | 215.7 | 285.1 | 432.6 | 689.0 | 960.9 | 1153.5 | 1555.3 |
| 82.5° | 158.5 | 188.2 | 240.0 | 352.2 | 462.3 | 569.1 | 812.3 |
| 85° | 99.1 | 107.9 | 120.0 | 173.9 | 248.8 | 335.7 | 506.3 |
| 87.5° | 26.4 | 27.5 | 25.3 | 34.1 | 53.9 | 51.7 | 57.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)