

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: P151820

Luminaire Tested: **TLM-E05-LED-E1-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P151820
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: TLM-E05-LED-E1-SL4-HSS
Description: TALON MEDIUM LED SITE LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (105) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

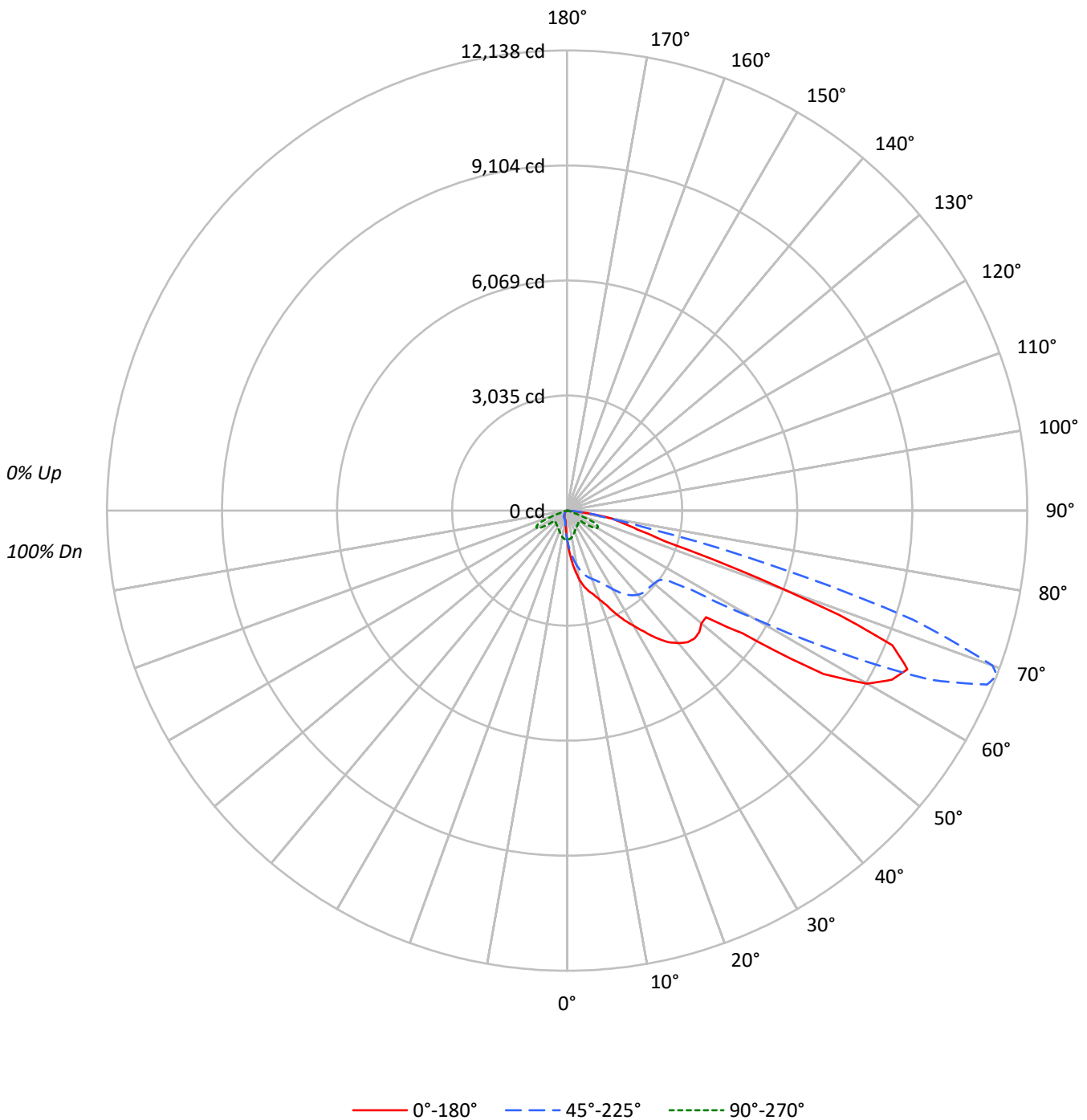
Lumens per Lamp: N/A
Luminaire Lumens: 10174.0 lumens
Efficiency: N/A
Efficacy: 79.9 lumens/watt
Spacing Criteria (0/90/45): 4.24 / 0.98 / 4.1
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): 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: P151820
CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

Luminous Intensity Polar Plot





TEST NUMBER: P151820

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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 | 96 | 91 | 86 | 92 | 87 | 83 | 88 | 84 | 81 | 84 | 81 | 78 | 76 |
| 2 | 91 | 80 | 71 | 63 | 88 | 78 | 70 | 62 | 74 | 67 | 61 | 71 | 65 | 59 | 68 | 62 | 58 | 55 |
| 3 | 80 | 66 | 55 | 47 | 77 | 64 | 54 | 46 | 61 | 52 | 45 | 58 | 51 | 44 | 55 | 49 | 43 | 41 |
| 4 | 71 | 56 | 44 | 36 | 68 | 54 | 44 | 35 | 51 | 42 | 35 | 49 | 41 | 34 | 46 | 39 | 33 | 31 |
| 5 | 64 | 48 | 36 | 28 | 61 | 46 | 36 | 28 | 44 | 35 | 27 | 42 | 33 | 27 | 40 | 32 | 27 | 24 |
| 6 | 58 | 42 | 31 | 23 | 56 | 40 | 30 | 22 | 38 | 29 | 22 | 37 | 28 | 22 | 35 | 27 | 22 | 19 |
| 7 | 53 | 37 | 26 | 19 | 51 | 36 | 26 | 19 | 34 | 25 | 18 | 32 | 24 | 18 | 31 | 24 | 18 | 16 |
| 8 | 49 | 33 | 23 | 16 | 47 | 32 | 22 | 16 | 31 | 22 | 16 | 29 | 21 | 15 | 28 | 21 | 15 | 13 |
| 9 | 45 | 30 | 20 | 14 | 44 | 29 | 20 | 14 | 28 | 19 | 13 | 27 | 19 | 13 | 25 | 18 | 13 | 11 |
| 10 | 42 | 27 | 18 | 12 | 41 | 27 | 18 | 12 | 25 | 17 | 12 | 24 | 17 | 12 | 23 | 17 | 12 | 10 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|-------|------|
| 0° | 9964 | 9964 | 9964 |
| 5° | 17032 | 9829 | 5229 |
| 10° | 24253 | 9393 | 3358 |
| 15° | 29493 | 8637 | 3044 |
| 20° | 34410 | 8050 | 2760 |
| 25° | 42594 | 7703 | 2433 |
| 30° | 52562 | 7537 | 2071 |
| 35° | 64962 | 7468 | 1741 |
| 40° | 77282 | 7589 | 1608 |
| 45° | 87360 | 7918 | 1651 |
| 50° | 93346 | 8710 | 1513 |
| 55° | 127559 | 15074 | 904 |
| 60° | 236850 | 23906 | 648 |
| 65° | 303895 | 25829 | 614 |
| 70° | 229466 | 10681 | 694 |
| 75° | 95538 | 4094 | 837 |
| 80° | 87252 | 3861 | 1120 |
| 85° | 7693 | 3467 | 1979 |



TEST NUMBER: P151820

CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 79.0 | 0.8 |
| 10°-20° | 272.3 | 2.7 |
| 20°-30° | 521.1 | 5.1 |
| 30°-40° | 866.7 | 8.5 |
| 40°-50° | 1172.7 | 11.5 |
| 50°-60° | 1834.0 | 18.0 |
| 60°-70° | 3770.7 | 37.1 |
| 70°-80° | 1517.3 | 14.9 |
| 80°-90° | 140.3 | 1.4 |
| 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° | 872.4 | 8.6 |
| 0°-40° | 1739.0 | 17.1 |
| 0°-60° | 4745.8 | 46.6 |
| 0°-90° | 10174.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10174.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-------|-----|------|------|------|
| 0° | 768 | 768 | 768 | 768 | 768 | |
| 5° | 1308 | 1113 | 755 | 480 | 402 | 141 |
| 15° | 2197 | 1742 | 643 | 238 | 227 | 628 |
| 25° | 2977 | 2097 | 538 | 190 | 170 | 1394 |
| 35° | 4103 | 2707 | 472 | 135 | 110 | 2573 |
| 45° | 4763 | 2963 | 432 | 88 | 90 | 3641 |
| 55° | 5642 | 3150 | 667 | 58 | 40 | 5688 |
| 65° | 9903 | 10560 | 842 | 28 | 20 | 9073 |
| 75° | 1907 | 5560 | 82 | 12 | 17 | 2556 |
| 85° | 52 | 223 | 23 | 8 | 13 | 320 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P151820

CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 |
| 2.5° | 1025.0 | 1013.3 | 1000.0 | 1000.0 | 983.3 | 983.3 | 973.3 | 946.7 | 943.3 | 928.3 | 913.3 |
| 5° | 1308.3 | 1298.3 | 1281.7 | 1266.7 | 1253.3 | 1230.0 | 1213.3 | 1181.7 | 1146.7 | 1113.3 | 1083.3 |
| 7.5° | 1585.0 | 1580.0 | 1550.0 | 1545.0 | 1523.3 | 1485.0 | 1451.7 | 1405.0 | 1345.0 | 1298.3 | 1243.3 |
| 10° | 1841.7 | 1830.0 | 1823.3 | 1795.0 | 1763.3 | 1721.7 | 1670.0 | 1613.3 | 1543.3 | 1470.0 | 1391.7 |
| 12.5° | 2045.0 | 2038.3 | 2008.3 | 1996.7 | 1963.3 | 1921.7 | 1856.7 | 1783.3 | 1713.3 | 1618.3 | 1526.7 |
| 15° | 2196.7 | 2185.0 | 2165.0 | 2146.7 | 2106.7 | 2070.0 | 2010.0 | 1930.0 | 1845.0 | 1741.7 | 1631.7 |
| 17.5° | 2323.3 | 2301.7 | 2296.7 | 2268.3 | 2226.7 | 2183.3 | 2116.7 | 2043.3 | 1943.3 | 1840.0 | 1720.0 |
| 20° | 2493.3 | 2463.3 | 2453.3 | 2411.7 | 2363.3 | 2303.3 | 2226.7 | 2135.0 | 2030.0 | 1916.7 | 1793.3 |
| 22.5° | 2693.3 | 2671.7 | 2650.0 | 2613.3 | 2551.7 | 2466.7 | 2355.0 | 2255.0 | 2121.7 | 1996.7 | 1863.3 |
| 25° | 2976.7 | 2958.3 | 2923.3 | 2873.3 | 2796.7 | 2695.0 | 2560.0 | 2413.3 | 2256.7 | 2096.7 | 1940.0 |
| 27.5° | 3251.7 | 3235.0 | 3210.0 | 3171.7 | 3085.0 | 2973.3 | 2806.7 | 2620.0 | 2421.7 | 2228.3 | 2055.0 |
| 30° | 3510.0 | 3495.0 | 3470.0 | 3431.7 | 3355.0 | 3245.0 | 3056.7 | 2856.7 | 2610.0 | 2385.0 | 2176.7 |
| 32.5° | 3788.3 | 3783.3 | 3755.0 | 3700.0 | 3633.3 | 3485.0 | 3280.0 | 3065.0 | 2815.0 | 2555.0 | 2311.7 |
| 35° | 4103.3 | 4065.0 | 4038.3 | 3983.3 | 3870.0 | 3711.7 | 3471.7 | 3236.7 | 2973.3 | 2706.7 | 2435.0 |
| 37.5° | 4370.0 | 4333.3 | 4300.0 | 4230.0 | 4091.7 | 3890.0 | 3618.3 | 3360.0 | 3088.3 | 2816.7 | 2540.0 |
| 40° | 4565.0 | 4546.7 | 4506.7 | 4415.0 | 4260.0 | 4020.0 | 3726.7 | 3445.0 | 3171.7 | 2898.3 | 2625.0 |
| 42.5° | 4710.0 | 4681.7 | 4636.7 | 4541.7 | 4358.3 | 4085.0 | 3770.0 | 3480.0 | 3210.0 | 2948.3 | 2680.0 |
| 45° | 4763.3 | 4740.0 | 4698.3 | 4595.0 | 4396.7 | 4103.3 | 3768.3 | 3470.0 | 3211.7 | 2963.3 | 2716.7 |
| 47.5° | 4731.7 | 4708.3 | 4671.7 | 4575.0 | 4380.0 | 4081.7 | 3738.3 | 3441.7 | 3195.0 | 2968.3 | 2750.0 |
| 50° | 4626.7 | 4613.3 | 4585.0 | 4503.3 | 4328.3 | 4040.0 | 3711.7 | 3426.7 | 3191.7 | 2993.3 | 2796.7 |
| 52.5° | 4616.7 | 4608.3 | 4573.3 | 4491.7 | 4313.3 | 4026.7 | 3708.3 | 3435.0 | 3220.0 | 3025.0 | 2830.0 |
| 55° | 5641.7 | 5523.3 | 5258.3 | 5033.3 | 4663.3 | 4223.3 | 3876.7 | 3570.0 | 3340.0 | 3150.0 | 3013.3 |
| 57.5° | 8018.3 | 7841.7 | 7493.3 | 7065.0 | 6215.0 | 5380.0 | 4711.7 | 4228.3 | 3990.0 | 3903.3 | 3955.0 |
| 60° | 9131.7 | 9100.0 | 9045.0 | 8841.7 | 8406.7 | 7688.3 | 6888.3 | 6023.3 | 5676.7 | 5646.7 | 5751.7 |
| 62.5° | 9660.0 | 9640.0 | 9656.7 | 9631.7 | 9496.7 | 9286.7 | 9056.7 | 8683.3 | 8340.0 | 8118.3 | 7648.3 |
| 65° | 9903.3 | 9916.7 | 10011.7 | 10086.7 | 10103.3 | 10158.3 | 10326.7 | 10791.7 | 11131.7 | 10560.0 | 9255.0 |
| 67.5° | 9285.0 | 9363.3 | 9581.7 | 9855.0 | 10175.0 | 10485.0 | 10985.0 | 11965.0 | 12663.3 | 11991.7 | 10138.3 |
| 69° | 7686.7 | 7725.0 | 8258.3 | 8773.3 | 9555.0 | 10101.7 | 10826.7 | 12111.7 | 12896.7 | 12138.3 | 10068.3 |
| 70° | 6051.7 | 6086.7 | 6658.3 | 7358.3 | 8680.0 | 9383.3 | 10331.7 | 11863.3 | 12678.3 | 11943.3 | 9708.3 |
| 72.5° | 2730.0 | 2680.0 | 2881.7 | 3256.7 | 4693.3 | 5810.0 | 7468.3 | 9611.7 | 10460.0 | 9568.3 | 7263.3 |
| 75° | 1906.7 | 1885.0 | 1906.7 | 1908.3 | 2131.7 | 2750.0 | 3470.0 | 5210.0 | 6443.3 | 5560.0 | 3470.0 |
| 77.5° | 1476.7 | 1461.7 | 1446.7 | 1430.0 | 1456.7 | 1631.7 | 1701.7 | 1848.3 | 2400.0 | 2270.0 | 1323.3 |
| 80° | 1168.3 | 1155.0 | 1191.7 | 1180.0 | 1180.0 | 1200.0 | 1186.7 | 1131.7 | 1028.3 | 953.3 | 853.3 |
| 82.5° | 543.3 | 546.7 | 546.7 | 593.3 | 715.0 | 835.0 | 873.3 | 818.3 | 726.7 | 618.3 | 498.3 |
| 85° | 51.7 | 58.3 | 98.3 | 151.7 | 301.7 | 340.0 | 341.7 | 283.3 | 283.3 | 223.3 | 180.0 |
| 87.5° | 0.0 | 1.7 | 1.7 | 1.7 | 15.0 | 41.7 | 35.0 | 10.0 | 5.0 | 5.0 | 8.3 |
| 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: P151820

CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 |
| 2.5° | 886.7 | 881.7 | 861.7 | 841.7 | 823.3 | 803.3 | 785.0 | 766.7 | 746.7 | 731.7 | 713.3 |
| 5° | 1036.7 | 1000.0 | 958.3 | 918.3 | 878.3 | 836.7 | 793.3 | 755.0 | 715.0 | 678.3 | 643.3 |
| 7.5° | 1188.3 | 1116.7 | 1060.0 | 988.3 | 923.3 | 858.3 | 798.3 | 736.7 | 680.0 | 626.7 | 576.7 |
| 10° | 1316.7 | 1230.0 | 1141.7 | 1050.0 | 956.7 | 870.0 | 786.7 | 713.3 | 638.3 | 573.3 | 511.7 |
| 12.5° | 1421.7 | 1311.7 | 1203.3 | 1088.3 | 983.3 | 873.3 | 770.0 | 681.7 | 593.3 | 520.0 | 456.7 |
| 15° | 1516.7 | 1390.0 | 1260.0 | 1126.7 | 993.3 | 868.3 | 753.3 | 643.3 | 553.3 | 470.0 | 398.3 |
| 17.5° | 1593.3 | 1448.3 | 1301.7 | 1151.7 | 1008.3 | 861.7 | 731.7 | 616.7 | 511.7 | 425.0 | 355.0 |
| 20° | 1660.0 | 1508.3 | 1350.0 | 1181.7 | 1018.3 | 860.0 | 713.3 | 583.3 | 475.0 | 383.3 | 315.0 |
| 22.5° | 1721.7 | 1570.0 | 1400.0 | 1220.0 | 1033.3 | 858.3 | 696.7 | 558.3 | 443.3 | 351.7 | 283.3 |
| 25° | 1791.7 | 1631.7 | 1453.3 | 1260.0 | 1060.0 | 865.0 | 686.7 | 538.3 | 415.0 | 321.7 | 258.3 |
| 27.5° | 1870.0 | 1701.7 | 1516.7 | 1310.0 | 1095.0 | 878.3 | 683.3 | 516.7 | 390.0 | 293.3 | 238.3 |
| 30° | 1980.0 | 1785.0 | 1580.0 | 1360.0 | 1126.7 | 893.3 | 680.0 | 503.3 | 365.0 | 271.7 | 218.3 |
| 32.5° | 2076.7 | 1866.7 | 1650.0 | 1411.7 | 1161.7 | 908.3 | 678.3 | 485.0 | 341.7 | 250.0 | 203.3 |
| 35° | 2178.3 | 1941.7 | 1710.0 | 1461.7 | 1191.7 | 925.0 | 676.7 | 471.7 | 320.0 | 228.3 | 188.3 |
| 37.5° | 2266.7 | 2005.0 | 1756.7 | 1505.0 | 1225.0 | 940.0 | 678.3 | 460.0 | 300.0 | 210.0 | 175.0 |
| 40° | 2341.7 | 2070.0 | 1808.3 | 1545.0 | 1260.0 | 963.3 | 680.0 | 448.3 | 280.0 | 193.3 | 163.3 |
| 42.5° | 2408.3 | 2131.7 | 1863.3 | 1590.0 | 1300.0 | 990.0 | 690.0 | 438.3 | 263.3 | 178.3 | 151.7 |
| 45° | 2460.0 | 2188.3 | 1923.3 | 1653.3 | 1365.0 | 1033.3 | 708.3 | 431.7 | 246.7 | 165.0 | 141.7 |
| 47.5° | 2513.3 | 2271.7 | 2025.0 | 1753.3 | 1460.0 | 1101.7 | 740.0 | 430.0 | 233.3 | 155.0 | 133.3 |
| 50° | 2586.7 | 2355.0 | 2115.0 | 1855.0 | 1546.7 | 1171.7 | 778.3 | 431.7 | 216.7 | 145.0 | 125.0 |
| 52.5° | 2640.0 | 2440.0 | 2231.7 | 2031.7 | 1753.3 | 1385.0 | 926.7 | 461.7 | 208.3 | 136.7 | 115.0 |
| 55° | 2955.0 | 2920.0 | 2925.0 | 2958.3 | 2743.3 | 2356.7 | 1550.0 | 666.7 | 245.0 | 155.0 | 113.3 |
| 57.5° | 4166.7 | 4290.0 | 4361.7 | 4360.0 | 4005.0 | 3321.7 | 2081.7 | 856.7 | 273.3 | 180.0 | 135.0 |
| 60° | 5760.0 | 5666.7 | 5535.0 | 5210.0 | 4738.3 | 3791.7 | 2328.3 | 921.7 | 236.7 | 143.3 | 123.3 |
| 62.5° | 7168.3 | 6621.7 | 6136.7 | 5610.0 | 4991.7 | 3955.0 | 2378.3 | 916.7 | 206.7 | 108.3 | 86.7 |
| 65° | 8046.7 | 7063.3 | 6280.0 | 5620.0 | 4891.7 | 3818.3 | 2250.0 | 841.7 | 175.0 | 88.3 | 71.7 |
| 67.5° | 8256.7 | 6825.0 | 5716.7 | 4875.0 | 4086.7 | 2971.7 | 1651.7 | 633.3 | 136.7 | 73.3 | 63.3 |
| 69° | 7798.3 | 6066.7 | 4736.7 | 3781.7 | 2973.3 | 1971.7 | 1021.7 | 400.0 | 105.0 | 66.7 | 58.3 |
| 70° | 7173.3 | 5276.7 | 3858.3 | 3035.0 | 2201.7 | 1385.0 | 715.0 | 281.7 | 85.0 | 61.7 | 53.3 |
| 72.5° | 4615.0 | 2771.7 | 1896.7 | 1320.0 | 908.3 | 551.7 | 280.0 | 126.7 | 65.0 | 51.7 | 43.3 |
| 75° | 1790.0 | 1025.0 | 743.3 | 565.0 | 441.7 | 306.7 | 170.0 | 81.7 | 55.0 | 43.3 | 33.3 |
| 77.5° | 881.7 | 675.0 | 551.7 | 378.3 | 220.0 | 136.7 | 91.7 | 63.3 | 45.0 | 31.7 | 21.7 |
| 80° | 696.7 | 463.3 | 276.7 | 171.7 | 130.0 | 98.3 | 70.0 | 51.7 | 33.3 | 20.0 | 15.0 |
| 82.5° | 356.7 | 195.0 | 143.3 | 116.7 | 96.7 | 76.7 | 56.7 | 36.7 | 21.7 | 13.3 | 11.7 |
| 85° | 111.7 | 81.7 | 73.3 | 71.7 | 66.7 | 55.0 | 40.0 | 23.3 | 13.3 | 8.3 | 8.3 |
| 87.5° | 8.3 | 11.7 | 15.0 | 11.7 | 13.3 | 11.7 | 15.0 | 10.0 | 6.7 | 6.7 | 5.0 |
| 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: P151820

CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 | 768.3 |
| 2.5° | 700.0 | 680.0 | 661.7 | 650.0 | 628.3 | 620.0 | 611.7 | 608.3 | 593.3 | 596.7 | 583.3 |
| 5° | 611.7 | 576.7 | 550.0 | 523.3 | 498.3 | 480.0 | 465.0 | 446.7 | 431.7 | 425.0 | 411.7 |
| 7.5° | 531.7 | 486.7 | 451.7 | 423.3 | 393.3 | 370.0 | 350.0 | 336.7 | 323.3 | 310.0 | 303.3 |
| 10° | 461.7 | 413.3 | 373.3 | 345.0 | 316.7 | 296.7 | 281.7 | 271.7 | 263.3 | 258.3 | 256.7 |
| 12.5° | 396.7 | 350.0 | 313.3 | 288.3 | 266.7 | 256.7 | 250.0 | 245.0 | 243.3 | 241.7 | 241.7 |
| 15° | 346.7 | 300.0 | 271.7 | 253.3 | 243.3 | 238.3 | 236.7 | 233.3 | 230.0 | 228.3 | 228.3 |
| 17.5° | 300.0 | 265.0 | 245.0 | 235.0 | 230.0 | 226.7 | 223.3 | 220.0 | 216.7 | 215.0 | 215.0 |
| 20° | 268.3 | 240.0 | 230.0 | 223.3 | 218.3 | 215.0 | 210.0 | 206.7 | 205.0 | 203.3 | 201.7 |
| 22.5° | 243.3 | 225.0 | 218.3 | 213.3 | 206.7 | 201.7 | 198.3 | 195.0 | 191.7 | 190.0 | 188.3 |
| 25° | 225.0 | 213.3 | 208.3 | 201.7 | 195.0 | 190.0 | 185.0 | 180.0 | 176.7 | 175.0 | 171.7 |
| 27.5° | 211.7 | 203.3 | 196.7 | 188.3 | 181.7 | 176.7 | 171.7 | 166.7 | 163.3 | 160.0 | 158.3 |
| 30° | 200.0 | 191.7 | 183.3 | 176.7 | 168.3 | 163.3 | 156.7 | 151.7 | 150.0 | 146.7 | 143.3 |
| 32.5° | 188.3 | 180.0 | 171.7 | 163.3 | 155.0 | 148.3 | 145.0 | 138.3 | 135.0 | 133.3 | 130.0 |
| 35° | 175.0 | 166.7 | 156.7 | 150.0 | 141.7 | 135.0 | 130.0 | 125.0 | 121.7 | 118.3 | 116.7 |
| 37.5° | 163.3 | 153.3 | 143.3 | 135.0 | 128.3 | 121.7 | 116.7 | 111.7 | 108.3 | 105.0 | 103.3 |
| 40° | 150.0 | 140.0 | 130.0 | 121.7 | 115.0 | 110.0 | 105.0 | 100.0 | 96.7 | 95.0 | 95.0 |
| 42.5° | 138.3 | 126.7 | 116.7 | 110.0 | 105.0 | 98.3 | 93.3 | 88.3 | 86.7 | 85.0 | 86.7 |
| 45° | 126.7 | 115.0 | 106.7 | 100.0 | 95.0 | 88.3 | 83.3 | 80.0 | 78.3 | 80.0 | 81.7 |
| 47.5° | 116.7 | 105.0 | 96.7 | 91.7 | 86.7 | 81.7 | 76.7 | 73.3 | 73.3 | 76.7 | 80.0 |
| 50° | 106.7 | 95.0 | 88.3 | 85.0 | 80.0 | 75.0 | 68.3 | 66.7 | 68.3 | 71.7 | 75.0 |
| 52.5° | 96.7 | 83.3 | 78.3 | 76.7 | 71.7 | 66.7 | 61.7 | 60.0 | 61.7 | 65.0 | 63.3 |
| 55° | 86.7 | 73.3 | 71.7 | 70.0 | 65.0 | 58.3 | 53.3 | 53.3 | 53.3 | 51.7 | 48.3 |
| 57.5° | 83.3 | 65.0 | 63.3 | 61.7 | 56.7 | 50.0 | 46.7 | 43.3 | 41.7 | 36.7 | 35.0 |
| 60° | 86.7 | 58.3 | 58.3 | 55.0 | 50.0 | 43.3 | 38.3 | 33.3 | 30.0 | 26.7 | 26.7 |
| 62.5° | 70.0 | 53.3 | 51.7 | 48.3 | 41.7 | 35.0 | 30.0 | 25.0 | 23.3 | 21.7 | 21.7 |
| 65° | 56.7 | 48.3 | 45.0 | 40.0 | 35.0 | 28.3 | 23.3 | 20.0 | 18.3 | 18.3 | 20.0 |
| 67.5° | 51.7 | 43.3 | 38.3 | 33.3 | 28.3 | 21.7 | 18.3 | 16.7 | 16.7 | 18.3 | 18.3 |
| 69° | 48.3 | 40.0 | 35.0 | 30.0 | 25.0 | 20.0 | 16.7 | 16.7 | 16.7 | 16.7 | 18.3 |
| 70° | 45.0 | 38.3 | 33.3 | 28.3 | 21.7 | 16.7 | 15.0 | 15.0 | 16.7 | 16.7 | 18.3 |
| 72.5° | 35.0 | 30.0 | 28.3 | 23.3 | 16.7 | 15.0 | 13.3 | 15.0 | 15.0 | 16.7 | 16.7 |
| 75° | 26.7 | 21.7 | 21.7 | 18.3 | 13.3 | 11.7 | 11.7 | 13.3 | 13.3 | 15.0 | 15.0 |
| 77.5° | 18.3 | 15.0 | 15.0 | 13.3 | 11.7 | 10.0 | 10.0 | 11.7 | 13.3 | 13.3 | 15.0 |
| 80° | 13.3 | 11.7 | 10.0 | 11.7 | 10.0 | 8.3 | 10.0 | 11.7 | 11.7 | 13.3 | 13.3 |
| 82.5° | 10.0 | 10.0 | 10.0 | 10.0 | 8.3 | 8.3 | 10.0 | 10.0 | 11.7 | 13.3 | 13.3 |
| 85° | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 8.3 | 10.0 | 10.0 | 11.7 | 11.7 |
| 87.5° | 5.0 | 5.0 | 5.0 | 6.7 | 6.7 | 8.3 | 8.3 | 8.3 | 8.3 | 10.0 | 10.0 |
| 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: P151820

CATALOG NUMBER: TLM-E05-LED-E1-SL4-HSS

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 768.3 | 768.3 | 768.3 | 768.3 |
| 2.5° | 580.0 | 578.3 | 571.7 | 573.3 |
| 5° | 406.7 | 396.7 | 403.3 | 401.7 |
| 7.5° | 298.3 | 296.7 | 295.0 | 298.3 |
| 10° | 255.0 | 255.0 | 253.3 | 255.0 |
| 12.5° | 240.0 | 240.0 | 240.0 | 240.0 |
| 15° | 228.3 | 228.3 | 226.7 | 226.7 |
| 17.5° | 215.0 | 215.0 | 215.0 | 213.3 |
| 20° | 201.7 | 200.0 | 200.0 | 200.0 |
| 22.5° | 186.7 | 185.0 | 185.0 | 185.0 |
| 25° | 171.7 | 170.0 | 170.0 | 170.0 |
| 27.5° | 156.7 | 155.0 | 153.3 | 153.3 |
| 30° | 141.7 | 140.0 | 138.3 | 138.3 |
| 32.5° | 126.7 | 125.0 | 123.3 | 123.3 |
| 35° | 113.3 | 113.3 | 111.7 | 110.0 |
| 37.5° | 101.7 | 101.7 | 101.7 | 101.7 |
| 40° | 93.3 | 95.0 | 95.0 | 95.0 |
| 42.5° | 88.3 | 90.0 | 91.7 | 93.3 |
| 45° | 85.0 | 88.3 | 90.0 | 90.0 |
| 47.5° | 83.3 | 85.0 | 86.7 | 86.7 |
| 50° | 76.7 | 75.0 | 75.0 | 75.0 |
| 52.5° | 61.7 | 58.3 | 56.7 | 55.0 |
| 55° | 45.0 | 43.3 | 40.0 | 40.0 |
| 57.5° | 31.7 | 31.7 | 30.0 | 30.0 |
| 60° | 25.0 | 25.0 | 23.3 | 25.0 |
| 62.5° | 21.7 | 21.7 | 21.7 | 21.7 |
| 65° | 20.0 | 20.0 | 20.0 | 20.0 |
| 67.5° | 20.0 | 20.0 | 20.0 | 20.0 |
| 69° | 18.3 | 18.3 | 18.3 | 18.3 |
| 70° | 18.3 | 18.3 | 18.3 | 18.3 |
| 72.5° | 16.7 | 16.7 | 16.7 | 16.7 |
| 75° | 15.0 | 16.7 | 16.7 | 16.7 |
| 77.5° | 15.0 | 15.0 | 15.0 | 15.0 |
| 80° | 13.3 | 13.3 | 15.0 | 15.0 |
| 82.5° | 13.3 | 13.3 | 13.3 | 13.3 |
| 85° | 11.7 | 11.7 | 13.3 | 13.3 |
| 87.5° | 10.0 | 10.0 | 11.7 | 11.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)