

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: P156612

Luminaire Tested: **TLM-E01-LED-E1-T4-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P156612
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33673)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: TLM-E01-LED-E1-T4-7060
Description: TALON MEDIUM LED SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4
Light Source: (21) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3100.9 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Spacing Criteria (0/90/45): 1.73 / 2.02 / 2.64
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
CIE Type: Direct

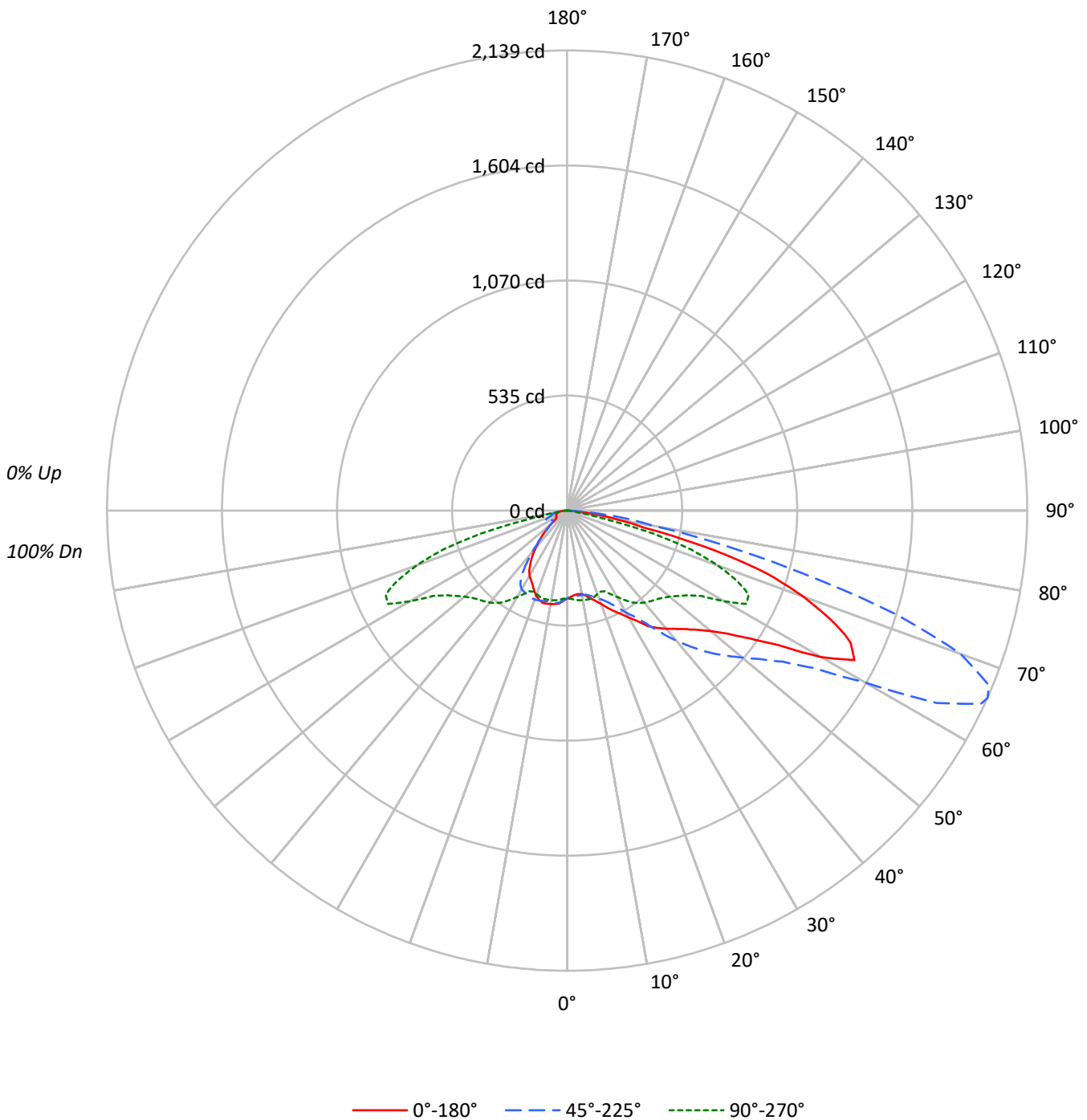
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

Luminous Intensity Polar Plot





TEST NUMBER: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|---|--|---|
| RF | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | 20 | | | | | |
| RC | 80 | | | | | 70 | | | | | 50 | | | | | 30 | | | | | 10 | | | | | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | | | | 100 | | | |
| 1 | 105 | 99 | 93 | 88 | 102 | 96 | 91 | 87 | 92 | 88 | 84 | 88 | 84 | 81 | 84 | 81 | 79 | 76 | | | | | 76 | | | |
| 2 | 92 | 81 | 72 | 65 | 89 | 79 | 71 | 64 | 76 | 69 | 62 | 72 | 66 | 61 | 69 | 64 | 59 | 57 | | | | | 57 | | | |
| 3 | 82 | 68 | 58 | 49 | 79 | 66 | 57 | 49 | 63 | 55 | 48 | 60 | 53 | 47 | 57 | 51 | 46 | 43 | | | | | 43 | | | |
| 4 | 73 | 58 | 47 | 39 | 70 | 57 | 46 | 38 | 54 | 45 | 38 | 51 | 43 | 37 | 49 | 42 | 36 | 34 | | | | | 34 | | | |
| 5 | 66 | 50 | 39 | 31 | 64 | 49 | 39 | 31 | 47 | 38 | 31 | 45 | 36 | 30 | 42 | 35 | 30 | 27 | | | | | 27 | | | |
| 6 | 60 | 44 | 34 | 26 | 58 | 43 | 33 | 26 | 41 | 32 | 25 | 39 | 31 | 25 | 38 | 30 | 25 | 22 | | | | | 22 | | | |
| 7 | 55 | 39 | 29 | 22 | 53 | 38 | 29 | 22 | 37 | 28 | 22 | 35 | 27 | 21 | 34 | 27 | 21 | 19 | | | | | 19 | | | |
| 8 | 51 | 35 | 26 | 19 | 49 | 35 | 25 | 19 | 33 | 25 | 19 | 32 | 24 | 18 | 31 | 23 | 18 | 16 | | | | | 16 | | | |
| 9 | 47 | 32 | 23 | 16 | 46 | 31 | 23 | 16 | 30 | 22 | 16 | 29 | 22 | 16 | 28 | 21 | 16 | 14 | | | | | 14 | | | |
| 10 | 44 | 29 | 21 | 15 | 43 | 29 | 20 | 15 | 28 | 20 | 14 | 27 | 19 | 14 | 26 | 19 | 14 | 12 | | | | | 12 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|--------|--------|-------|
| 0° | 25878 | 25878 | 25878 |
| 5° | 25042 | 26434 | 27566 |
| 10° | 25332 | 27222 | 28347 |
| 15° | 27754 | 27780 | 29078 |
| 20° | 31110 | 27842 | 28347 |
| 25° | 36007 | 28937 | 26548 |
| 30° | 42010 | 33888 | 25531 |
| 35° | 50683 | 40240 | 22972 |
| 40° | 59230 | 46196 | 18969 |
| 45° | 69800 | 52285 | 14426 |
| 50° | 85817 | 61319 | 9230 |
| 55° | 114143 | 75661 | 6910 |
| 60° | 172349 | 106639 | 7281 |
| 65° | 217945 | 139379 | 8405 |
| 70° | 216173 | 137716 | 9997 |
| 75° | 171443 | 101990 | 12305 |
| 80° | 86928 | 21440 | 15351 |
| 85° | 12641 | 17654 | 19615 |



TEST NUMBER: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 39.7 | 1.3 |
| 10°-20° | 120.5 | 3.9 |
| 20°-30° | 207.6 | 6.7 |
| 30°-40° | 314.0 | 10.1 |
| 40°-50° | 407.0 | 13.1 |
| 50°-60° | 561.2 | 18.1 |
| 60°-70° | 871.9 | 28.1 |
| 70°-80° | 507.0 | 16.3 |
| 80°-90° | 72.1 | 2.3 |
| 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° | 367.8 | 11.9 |
| 0°-40° | 681.8 | 22.0 |
| 0°-60° | 1650.0 | 53.2 |
| 0°-90° | 3100.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 3100.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-----|------|------|------|
| 0° | 409 | 409 | 409 | 409 | 409 | |
| 5° | 394 | 400 | 416 | 430 | 434 | 38 |
| 15° | 423 | 409 | 424 | 435 | 444 | 121 |
| 25° | 515 | 476 | 414 | 433 | 380 | 240 |
| 35° | 656 | 641 | 521 | 367 | 297 | 410 |
| 45° | 780 | 933 | 584 | 154 | 161 | 609 |
| 55° | 1034 | 1225 | 685 | 79 | 63 | 958 |
| 65° | 1455 | 2124 | 930 | 112 | 56 | 1377 |
| 75° | 701 | 1142 | 417 | 70 | 50 | 722 |
| 85° | 17 | 119 | 24 | 29 | 27 | 75 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 47.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 |
| 2.5° | 401.2 | 402.6 | 401.5 | 401.9 | 401.9 | 402.2 | 402.2 | 402.6 | 402.2 | 403.3 | 403.9 |
| 5° | 394.0 | 394.7 | 394.4 | 395.1 | 395.7 | 397.1 | 396.8 | 398.5 | 398.8 | 399.8 | 401.5 |
| 7.5° | 391.3 | 390.6 | 390.9 | 392.0 | 392.7 | 393.3 | 394.0 | 395.4 | 396.4 | 398.8 | 400.2 |
| 10° | 394.0 | 393.7 | 394.0 | 394.7 | 394.7 | 395.1 | 394.4 | 395.7 | 396.4 | 398.5 | 399.8 |
| 12.5° | 405.3 | 405.3 | 404.6 | 404.6 | 403.9 | 403.3 | 401.5 | 400.5 | 400.2 | 400.5 | 401.2 |
| 15° | 423.4 | 422.8 | 421.4 | 420.4 | 419.0 | 416.6 | 414.2 | 412.2 | 410.8 | 408.7 | 408.0 |
| 17.5° | 441.2 | 440.2 | 438.8 | 437.5 | 435.8 | 433.4 | 429.6 | 427.2 | 423.4 | 421.0 | 419.7 |
| 20° | 461.7 | 459.7 | 458.0 | 456.3 | 452.9 | 452.2 | 448.4 | 444.3 | 439.9 | 434.4 | 433.7 |
| 22.5° | 488.4 | 485.0 | 483.0 | 481.9 | 478.5 | 477.5 | 471.3 | 465.5 | 460.0 | 452.9 | 451.1 |
| 25° | 515.4 | 512.0 | 511.0 | 509.6 | 507.2 | 505.9 | 500.1 | 493.6 | 486.4 | 476.5 | 474.4 |
| 27.5° | 541.8 | 542.1 | 539.4 | 540.4 | 539.7 | 537.3 | 531.5 | 525.0 | 519.6 | 507.9 | 505.5 |
| 30° | 574.6 | 572.6 | 571.2 | 573.3 | 570.9 | 571.2 | 566.1 | 562.6 | 553.8 | 546.9 | 542.1 |
| 32.5° | 608.8 | 608.5 | 610.5 | 611.9 | 611.6 | 610.9 | 606.8 | 603.4 | 595.5 | 585.6 | 583.5 |
| 35° | 655.7 | 657.7 | 659.4 | 665.6 | 665.6 | 670.0 | 665.9 | 661.8 | 652.6 | 640.6 | 636.5 |
| 37.5° | 687.5 | 688.2 | 695.0 | 703.2 | 713.5 | 723.1 | 725.8 | 726.8 | 723.1 | 714.2 | 708.0 |
| 40° | 716.6 | 717.9 | 728.9 | 741.5 | 756.6 | 775.4 | 786.7 | 791.8 | 792.8 | 788.7 | 775.4 |
| 42.5° | 745.6 | 747.7 | 759.0 | 777.4 | 798.3 | 822.3 | 842.1 | 854.7 | 861.9 | 861.9 | 854.1 |
| 45° | 779.5 | 782.2 | 794.5 | 814.7 | 839.0 | 869.1 | 896.5 | 920.8 | 932.4 | 933.1 | 925.5 |
| 47.5° | 819.5 | 821.9 | 836.3 | 856.8 | 881.8 | 912.2 | 946.8 | 974.5 | 996.0 | 997.4 | 991.2 |
| 50° | 871.2 | 874.6 | 886.6 | 905.0 | 930.7 | 961.5 | 996.0 | 1034.7 | 1057.2 | 1062.7 | 1056.2 |
| 52.5° | 939.6 | 940.3 | 950.2 | 967.3 | 992.2 | 1021.7 | 1058.3 | 1100.3 | 1130.1 | 1134.5 | 1123.9 |
| 55° | 1034.0 | 1032.9 | 1039.4 | 1057.9 | 1076.7 | 1099.6 | 1137.6 | 1184.8 | 1218.0 | 1224.8 | 1213.9 |
| 57.5° | 1162.2 | 1161.2 | 1166.7 | 1171.1 | 1206.4 | 1228.6 | 1265.9 | 1311.0 | 1343.2 | 1363.0 | 1344.2 |
| 60° | 1361.0 | 1359.9 | 1368.8 | 1394.8 | 1421.2 | 1453.6 | 1489.9 | 1543.9 | 1589.1 | 1594.9 | 1576.4 |
| 62.5° | 1505.0 | 1510.1 | 1529.6 | 1560.0 | 1613.4 | 1677.0 | 1743.4 | 1814.5 | 1907.2 | 1936.6 | 1927.7 |
| 65° | 1454.7 | 1464.9 | 1492.0 | 1538.1 | 1609.3 | 1697.2 | 1801.2 | 1930.1 | 2054.3 | 2123.7 | 2121.6 |
| 66° | 1409.5 | 1420.8 | 1454.0 | 1498.5 | 1573.7 | 1669.8 | 1783.4 | 1923.9 | 2062.8 | 2139.4 | 2144.2 |
| 67.5° | 1327.4 | 1340.1 | 1372.6 | 1425.3 | 1498.5 | 1600.7 | 1722.8 | 1875.7 | 2032.7 | 2122.0 | 2134.6 |
| 70° | 1167.7 | 1182.1 | 1205.7 | 1249.1 | 1321.3 | 1412.6 | 1541.2 | 1678.0 | 1842.5 | 1944.8 | 1960.2 |
| 72.5° | 976.2 | 988.8 | 1015.2 | 1050.7 | 1109.9 | 1167.4 | 1268.3 | 1369.2 | 1486.8 | 1603.5 | 1592.2 |
| 75° | 700.8 | 706.3 | 722.0 | 760.7 | 792.5 | 844.1 | 925.2 | 1008.0 | 1088.4 | 1141.7 | 1149.2 |
| 77.5° | 364.3 | 378.6 | 400.9 | 443.6 | 478.2 | 524.7 | 577.4 | 639.6 | 698.4 | 747.3 | 734.0 |
| 80° | 238.4 | 244.6 | 264.4 | 286.3 | 311.6 | 341.4 | 376.6 | 399.8 | 407.4 | 404.3 | 407.4 |
| 82.5° | 137.5 | 148.8 | 175.1 | 191.9 | 210.7 | 221.0 | 249.0 | 275.7 | 290.7 | 271.9 | 265.1 |
| 85° | 17.4 | 22.6 | 71.1 | 89.6 | 102.6 | 118.0 | 126.6 | 142.6 | 133.1 | 119.0 | 145.0 |
| 87.5° | 3.8 | 3.4 | 4.8 | 10.3 | 10.6 | 8.9 | 16.8 | 17.8 | 10.9 | 5.5 | 6.8 |
| 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: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 |
| 2.5° | 404.6 | 405.0 | 405.7 | 406.7 | 407.4 | 408.0 | 408.7 | 409.8 | 410.4 | 411.1 | 412.5 |
| 5° | 402.9 | 404.3 | 405.7 | 407.0 | 408.7 | 411.5 | 413.2 | 414.5 | 415.9 | 418.7 | 419.7 |
| 7.5° | 401.9 | 404.3 | 406.3 | 408.7 | 411.5 | 413.9 | 416.9 | 418.7 | 420.7 | 422.4 | 424.5 |
| 10° | 401.2 | 404.6 | 406.7 | 410.1 | 413.2 | 415.6 | 419.0 | 421.0 | 423.4 | 425.5 | 426.5 |
| 12.5° | 402.6 | 404.3 | 406.3 | 409.8 | 413.5 | 416.9 | 420.7 | 422.4 | 424.5 | 426.2 | 426.5 |
| 15° | 408.4 | 408.4 | 408.7 | 411.5 | 415.2 | 418.0 | 421.0 | 422.8 | 423.8 | 424.8 | 424.8 |
| 17.5° | 419.0 | 416.6 | 414.9 | 415.2 | 417.6 | 419.3 | 421.0 | 421.0 | 420.4 | 420.0 | 419.3 |
| 20° | 431.3 | 428.2 | 424.8 | 422.4 | 421.7 | 420.4 | 419.3 | 415.9 | 413.2 | 410.8 | 409.1 |
| 22.5° | 449.1 | 444.3 | 439.5 | 435.1 | 431.0 | 425.8 | 420.0 | 413.2 | 406.7 | 402.2 | 399.5 |
| 25° | 471.0 | 467.2 | 461.4 | 454.6 | 449.4 | 439.9 | 432.3 | 422.4 | 414.2 | 408.4 | 403.6 |
| 27.5° | 502.1 | 497.7 | 492.2 | 486.0 | 478.5 | 467.9 | 458.7 | 447.0 | 437.1 | 428.6 | 422.4 |
| 30° | 540.8 | 534.9 | 530.8 | 523.3 | 518.2 | 506.2 | 497.0 | 482.6 | 463.5 | 449.8 | 441.2 |
| 32.5° | 580.4 | 573.9 | 570.5 | 564.7 | 558.9 | 551.7 | 537.7 | 515.4 | 490.8 | 468.6 | 453.9 |
| 35° | 633.4 | 626.6 | 620.5 | 615.3 | 606.8 | 593.4 | 581.1 | 554.4 | 520.6 | 489.5 | 464.8 |
| 37.5° | 700.1 | 688.9 | 673.5 | 660.5 | 645.4 | 626.3 | 607.5 | 580.1 | 541.4 | 501.1 | 468.2 |
| 40° | 771.3 | 751.5 | 729.6 | 705.3 | 679.3 | 651.6 | 630.0 | 602.3 | 558.9 | 511.0 | 465.9 |
| 42.5° | 845.5 | 814.0 | 783.6 | 749.4 | 713.1 | 680.3 | 652.3 | 621.8 | 571.9 | 513.7 | 456.3 |
| 45° | 919.0 | 883.8 | 837.6 | 792.8 | 747.0 | 706.3 | 674.8 | 640.6 | 583.9 | 514.8 | 443.6 |
| 47.5° | 979.9 | 943.7 | 891.0 | 834.9 | 780.5 | 734.3 | 697.4 | 660.5 | 599.9 | 521.9 | 440.5 |
| 50° | 1044.2 | 1000.1 | 941.6 | 875.3 | 813.7 | 762.1 | 722.7 | 684.4 | 622.5 | 540.4 | 450.5 |
| 52.5° | 1114.4 | 1063.7 | 995.3 | 921.1 | 853.7 | 795.9 | 753.2 | 713.8 | 651.2 | 566.4 | 469.3 |
| 55° | 1199.9 | 1138.0 | 1063.7 | 979.9 | 907.8 | 843.8 | 796.6 | 750.1 | 685.4 | 597.2 | 492.9 |
| 57.5° | 1330.5 | 1254.6 | 1171.1 | 1075.7 | 995.7 | 920.1 | 863.6 | 809.9 | 738.5 | 643.0 | 525.0 |
| 60° | 1566.9 | 1485.8 | 1377.4 | 1261.8 | 1167.7 | 1079.5 | 996.7 | 930.0 | 842.1 | 733.3 | 596.2 |
| 62.5° | 1905.5 | 1797.7 | 1653.1 | 1491.3 | 1368.1 | 1240.9 | 1147.5 | 1048.3 | 939.2 | 821.9 | 680.0 |
| 65° | 2093.6 | 1962.9 | 1769.3 | 1581.6 | 1423.2 | 1285.0 | 1166.3 | 1051.4 | 930.3 | 818.1 | 699.5 |
| 66° | 2116.9 | 1980.7 | 1779.6 | 1581.9 | 1415.7 | 1273.7 | 1148.9 | 1029.9 | 906.1 | 799.0 | 691.3 |
| 67.5° | 2107.3 | 1968.1 | 1760.8 | 1552.2 | 1383.2 | 1230.6 | 1101.7 | 978.2 | 854.7 | 754.9 | 663.9 |
| 70° | 1950.3 | 1818.3 | 1614.7 | 1412.6 | 1252.2 | 1101.7 | 978.6 | 857.1 | 743.9 | 658.4 | 591.4 |
| 72.5° | 1619.5 | 1506.7 | 1329.8 | 1171.1 | 1045.3 | 921.1 | 816.8 | 700.8 | 605.1 | 541.8 | 502.1 |
| 75° | 1169.1 | 1100.7 | 939.6 | 848.6 | 738.1 | 655.7 | 554.4 | 485.7 | 416.9 | 386.2 | 379.3 |
| 77.5° | 738.5 | 646.4 | 544.2 | 448.1 | 368.4 | 305.4 | 237.7 | 201.8 | 168.3 | 164.9 | 199.1 |
| 80° | 373.8 | 336.6 | 259.3 | 206.6 | 173.8 | 140.6 | 111.2 | 84.1 | 58.8 | 70.8 | 84.8 |
| 82.5° | 244.9 | 204.2 | 160.1 | 131.7 | 114.6 | 95.1 | 73.9 | 51.3 | 37.6 | 42.4 | 58.1 |
| 85° | 132.4 | 112.9 | 91.0 | 71.8 | 58.1 | 52.0 | 34.9 | 24.6 | 24.3 | 26.0 | 33.2 |
| 87.5° | 9.6 | 9.6 | 7.5 | 6.8 | 8.2 | 6.8 | 6.2 | 6.2 | 5.8 | 6.2 | 8.2 |
| 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: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 |
| 2.5° | 413.2 | 414.2 | 414.5 | 416.3 | 417.3 | 418.0 | 418.7 | 418.7 | 419.0 | 420.0 | 420.4 |
| 5° | 421.0 | 422.8 | 424.8 | 426.2 | 426.9 | 428.9 | 429.6 | 429.6 | 430.3 | 431.6 | 432.7 |
| 7.5° | 425.8 | 428.2 | 430.3 | 431.0 | 432.3 | 433.0 | 434.0 | 434.7 | 434.7 | 436.1 | 436.8 |
| 10° | 427.5 | 428.9 | 431.0 | 431.0 | 432.3 | 432.3 | 433.4 | 433.7 | 433.7 | 435.1 | 436.1 |
| 12.5° | 427.5 | 428.2 | 429.9 | 429.9 | 431.0 | 431.3 | 432.7 | 433.7 | 434.0 | 435.8 | 437.1 |
| 15° | 425.5 | 426.2 | 427.5 | 427.9 | 430.3 | 431.6 | 434.7 | 436.8 | 436.8 | 438.5 | 439.2 |
| 17.5° | 419.7 | 421.4 | 424.1 | 426.9 | 431.3 | 434.4 | 438.1 | 439.9 | 438.5 | 437.5 | 436.4 |
| 20° | 410.1 | 413.2 | 419.7 | 426.5 | 434.4 | 438.5 | 440.5 | 438.8 | 434.0 | 429.3 | 426.2 |
| 22.5° | 400.5 | 406.7 | 417.6 | 427.9 | 436.8 | 439.5 | 438.5 | 432.3 | 424.5 | 418.7 | 414.5 |
| 25° | 405.0 | 412.2 | 422.8 | 432.0 | 437.8 | 437.1 | 433.0 | 424.5 | 415.9 | 408.4 | 401.5 |
| 27.5° | 423.4 | 431.3 | 437.1 | 440.2 | 439.5 | 434.7 | 428.2 | 418.7 | 408.4 | 398.5 | 388.9 |
| 30° | 440.9 | 445.0 | 446.4 | 444.0 | 438.5 | 430.6 | 422.4 | 411.5 | 397.8 | 385.5 | 374.5 |
| 32.5° | 448.8 | 444.6 | 438.1 | 431.6 | 422.8 | 415.9 | 404.6 | 392.7 | 375.6 | 360.8 | 349.9 |
| 35° | 448.8 | 432.3 | 415.9 | 402.2 | 388.9 | 380.3 | 367.3 | 351.3 | 335.5 | 323.2 | 314.7 |
| 37.5° | 438.8 | 407.4 | 380.3 | 358.1 | 341.4 | 332.1 | 312.6 | 298.3 | 284.9 | 280.8 | 275.3 |
| 40° | 420.7 | 374.2 | 335.2 | 306.1 | 284.9 | 271.2 | 251.7 | 241.8 | 236.7 | 234.6 | 233.6 |
| 42.5° | 396.4 | 337.2 | 285.3 | 249.3 | 226.4 | 211.0 | 198.0 | 191.9 | 191.5 | 191.2 | 191.2 |
| 45° | 370.4 | 297.6 | 236.7 | 193.9 | 173.8 | 160.1 | 153.9 | 151.5 | 153.6 | 153.2 | 153.6 |
| 47.5° | 354.3 | 267.5 | 192.2 | 146.7 | 131.3 | 122.4 | 119.4 | 120.4 | 122.1 | 121.4 | 121.4 |
| 50° | 352.3 | 252.1 | 162.5 | 114.2 | 102.6 | 98.2 | 97.5 | 97.5 | 98.5 | 97.8 | 97.5 |
| 52.5° | 359.8 | 249.7 | 147.1 | 98.2 | 88.9 | 85.2 | 84.5 | 84.1 | 83.8 | 81.7 | 80.0 |
| 55° | 372.8 | 255.2 | 142.6 | 94.1 | 84.5 | 80.4 | 79.4 | 78.7 | 77.3 | 74.6 | 71.5 |
| 57.5° | 398.8 | 272.3 | 146.7 | 96.1 | 85.9 | 82.4 | 81.4 | 81.4 | 78.7 | 74.2 | 69.8 |
| 60° | 461.4 | 315.7 | 163.5 | 104.0 | 92.3 | 88.9 | 89.6 | 89.3 | 85.2 | 78.7 | 71.8 |
| 62.5° | 542.1 | 372.5 | 185.4 | 114.9 | 100.6 | 99.9 | 103.3 | 102.6 | 95.8 | 85.9 | 75.9 |
| 65° | 579.4 | 399.2 | 191.5 | 117.3 | 102.3 | 105.3 | 112.2 | 111.5 | 103.0 | 89.3 | 76.6 |
| 66° | 580.1 | 399.2 | 188.8 | 115.3 | 99.9 | 103.6 | 110.5 | 110.1 | 101.6 | 87.9 | 75.2 |
| 67.5° | 566.1 | 388.2 | 180.9 | 111.2 | 95.1 | 97.8 | 104.0 | 103.6 | 95.8 | 84.5 | 72.5 |
| 70° | 513.4 | 347.5 | 160.8 | 104.0 | 88.6 | 87.2 | 89.3 | 87.9 | 82.8 | 74.9 | 66.7 |
| 72.5° | 439.9 | 291.8 | 140.2 | 98.5 | 84.1 | 78.7 | 77.3 | 76.3 | 72.2 | 67.7 | 62.6 |
| 75° | 346.5 | 230.9 | 123.1 | 94.4 | 80.0 | 72.9 | 70.5 | 69.1 | 66.4 | 63.3 | 59.2 |
| 77.5° | 213.8 | 165.2 | 107.4 | 88.9 | 77.0 | 69.8 | 68.1 | 66.0 | 61.9 | 58.1 | 55.1 |
| 80° | 95.4 | 102.3 | 88.2 | 77.6 | 68.7 | 62.3 | 59.5 | 56.4 | 52.3 | 49.9 | 48.2 |
| 82.5° | 63.6 | 66.0 | 64.0 | 58.1 | 52.0 | 46.9 | 42.8 | 42.8 | 42.1 | 40.0 | 39.3 |
| 85° | 40.7 | 41.0 | 39.7 | 35.9 | 33.5 | 30.4 | 28.7 | 29.1 | 30.4 | 30.1 | 29.8 |
| 87.5° | 9.2 | 9.2 | 10.9 | 10.3 | 12.0 | 12.7 | 13.7 | 14.7 | 16.8 | 16.8 | 17.8 |
| 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: P156612

CATALOG NUMBER: TLM-E01-LED-E1-T4-7060

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 408.7 | 408.7 | 408.7 | 408.7 | 408.7 |
| 2.5° | 420.7 | 421.4 | 422.1 | 421.0 | 421.4 |
| 5° | 432.7 | 432.3 | 434.0 | 433.0 | 433.7 |
| 7.5° | 436.4 | 436.8 | 438.1 | 438.1 | 438.5 |
| 10° | 436.8 | 437.5 | 439.2 | 440.2 | 440.9 |
| 12.5° | 438.5 | 439.9 | 442.6 | 443.3 | 443.3 |
| 15° | 439.9 | 440.5 | 442.3 | 442.9 | 443.6 |
| 17.5° | 435.1 | 433.7 | 434.4 | 434.7 | 434.4 |
| 20° | 423.1 | 421.7 | 421.4 | 420.0 | 420.7 |
| 22.5° | 410.1 | 406.3 | 403.9 | 401.2 | 401.2 |
| 25° | 394.4 | 388.6 | 383.8 | 379.0 | 380.0 |
| 27.5° | 379.7 | 372.1 | 367.3 | 364.3 | 363.6 |
| 30° | 365.3 | 357.4 | 353.0 | 349.2 | 349.2 |
| 32.5° | 341.4 | 335.9 | 330.1 | 327.7 | 327.3 |
| 35° | 308.2 | 304.8 | 300.0 | 298.9 | 297.2 |
| 37.5° | 270.9 | 269.9 | 265.8 | 265.4 | 263.7 |
| 40° | 231.9 | 232.6 | 231.2 | 230.5 | 229.5 |
| 42.5° | 192.9 | 196.3 | 195.6 | 195.3 | 194.6 |
| 45° | 155.6 | 158.0 | 158.4 | 159.4 | 161.1 |
| 47.5° | 122.4 | 123.1 | 123.8 | 123.5 | 123.8 |
| 50° | 95.8 | 94.1 | 93.7 | 92.7 | 93.7 |
| 52.5° | 77.3 | 74.6 | 73.2 | 71.8 | 71.1 |
| 55° | 68.1 | 65.3 | 64.0 | 63.3 | 62.6 |
| 57.5° | 65.7 | 62.9 | 60.9 | 59.5 | 59.2 |
| 60° | 66.4 | 62.3 | 59.5 | 57.8 | 57.5 |
| 62.5° | 68.1 | 62.6 | 58.8 | 57.1 | 56.8 |
| 65° | 67.7 | 61.9 | 58.5 | 56.4 | 56.1 |
| 66° | 66.7 | 61.2 | 57.8 | 56.1 | 55.8 |
| 67.5° | 65.0 | 60.2 | 57.1 | 55.8 | 55.1 |
| 70° | 61.9 | 58.8 | 56.4 | 54.7 | 54.0 |
| 72.5° | 59.2 | 56.8 | 54.7 | 53.0 | 52.7 |
| 75° | 56.1 | 54.0 | 52.0 | 50.6 | 50.3 |
| 77.5° | 52.3 | 50.3 | 48.9 | 47.9 | 47.5 |
| 80° | 46.2 | 44.8 | 43.4 | 42.1 | 42.1 |
| 82.5° | 38.3 | 37.3 | 35.9 | 34.9 | 34.5 |
| 85° | 29.4 | 29.4 | 28.4 | 27.4 | 27.0 |
| 87.5° | 17.4 | 17.1 | 17.1 | 16.1 | 16.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)