

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: P155570

Luminaire Tested: **TLM-E01-LED-E1-T3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P155570  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: TLM-E01-LED-E1-T3  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

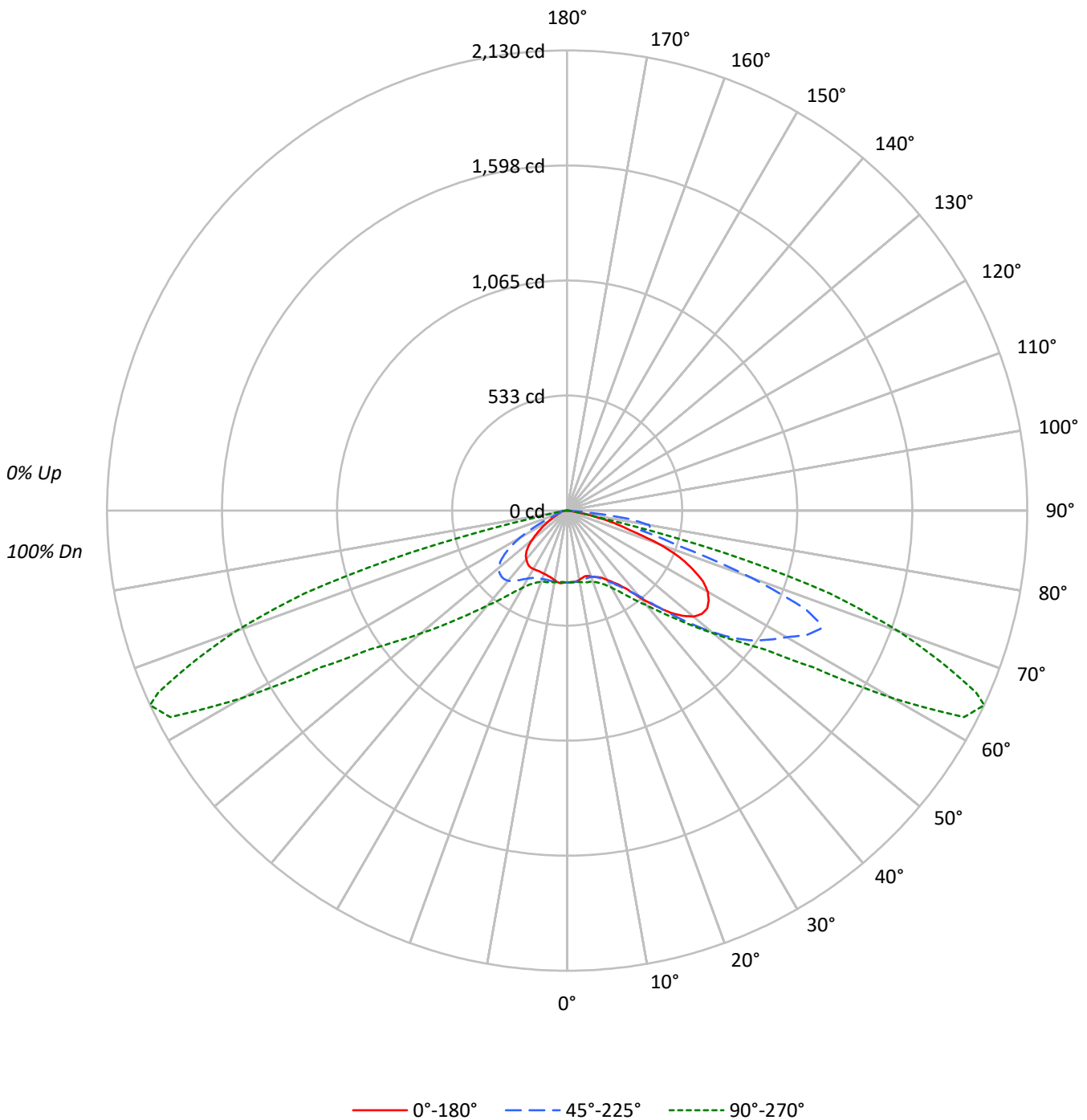
Lumens per Lamp: N/A  
Luminaire Lumens: 3083.9 lumens  
Efficiency: N/A  
Efficacy: 124.9 lumens/watt  
Spacing Criteria (0/90/45): 1.97 / 4.22 / 2.62  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
CIE Type: Direct

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



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CATALOG NUMBER: TLM-E01-LED-E1-T3

### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

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

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 90°    | 180°  |
|-----|-------|--------|-------|
| 0°  | 21040 | 21040  | 21040 |
| 5°  | 21121 | 21102  | 21438 |
| 10° | 20941 | 21583  | 21069 |
| 15° | 20629 | 22530  | 20760 |
| 20° | 21899 | 23651  | 20955 |
| 25° | 23753 | 25940  | 21609 |
| 30° | 27074 | 30173  | 22833 |
| 35° | 32464 | 37002  | 24016 |
| 40° | 43476 | 47361  | 24300 |
| 45° | 59395 | 63066  | 23792 |
| 50° | 75159 | 87078  | 20912 |
| 55° | 87319 | 123968 | 16636 |
| 60° | 95140 | 219242 | 12625 |
| 65° | 96035 | 319119 | 9544  |
| 70° | 84177 | 302257 | 7960  |
| 75° | 55606 | 182916 | 8146  |
| 80° | 20310 | 18596  | 9590  |
| 85° | 3414  | 12350  | 10679 |



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 31.8   | 1.0       |
| 10°-20°   | 93.9   | 3.0       |
| 20°-30°   | 161.5  | 5.2       |
| 30°-40°   | 262.2  | 8.5       |
| 40°-50°   | 437.7  | 14.2      |
| 50°-60°   | 689.2  | 22.3      |
| 60°-70°   | 939.7  | 30.5      |
| 70°-80°   | 406.8  | 13.2      |
| 80°-90°   | 61.2   | 2.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 287.2  | 9.3       |
| 0°-40°    | 549.4  | 17.8      |
| 0°-60°    | 1676.2 | 54.4      |
| 0°-90°    | 3083.9 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 3083.9 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°  | 45°  | 90°  | 135° | 180° | Flux |
|-----|-----|------|------|------|------|------|
| 0°  | 332 | 332  | 332  | 332  | 332  |      |
| 5°  | 332 | 333  | 332  | 336  | 337  | 32   |
| 15° | 315 | 328  | 344  | 334  | 317  | 90   |
| 25° | 340 | 342  | 371  | 345  | 309  | 159  |
| 35° | 420 | 429  | 479  | 394  | 311  | 272  |
| 45° | 663 | 672  | 704  | 431  | 266  | 510  |
| 55° | 791 | 1048 | 1123 | 355  | 151  | 698  |
| 65° | 641 | 1295 | 2130 | 125  | 64   | 622  |
| 75° | 227 | 354  | 748  | 34   | 33   | 243  |
| 85° | 5   | 79   | 17   | 23   | 15   | 12   |
| 90° | 0   | 0    | 0    | 0    | 0    |      |



TEST NUMBER: P155570

CATALOG NUMBER: TLM-E01-LED-E1-T3

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°    | 40°    | 45°    | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0°    | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3  | 332.3  | 332.3  | 332.3  |
| 2.5°  | 333.7 | 335.0 | 333.7 | 334.0 | 334.3 | 334.0 | 333.7 | 333.7  | 332.7  | 333.3  | 334.0  |
| 5°    | 332.3 | 333.3 | 333.0 | 333.3 | 333.7 | 333.3 | 333.0 | 333.3  | 332.7  | 333.0  | 334.0  |
| 7.5°  | 330.7 | 330.3 | 330.7 | 331.3 | 332.0 | 332.0 | 332.0 | 332.3  | 332.0  | 332.0  | 333.0  |
| 10°   | 325.7 | 326.0 | 326.7 | 327.7 | 328.0 | 329.0 | 329.0 | 330.0  | 330.3  | 331.0  | 332.3  |
| 12.5° | 319.3 | 319.7 | 320.3 | 321.0 | 322.7 | 324.3 | 324.3 | 326.7  | 327.7  | 329.3  | 331.7  |
| 15°   | 314.7 | 315.0 | 315.7 | 316.3 | 317.7 | 319.3 | 320.3 | 323.0  | 324.7  | 327.7  | 331.0  |
| 17.5° | 317.3 | 317.0 | 317.7 | 318.0 | 318.0 | 319.3 | 319.3 | 321.3  | 323.3  | 326.0  | 330.3  |
| 20°   | 325.0 | 325.0 | 325.7 | 325.7 | 325.3 | 326.0 | 324.7 | 324.7  | 325.0  | 326.3  | 329.3  |
| 22.5° | 332.7 | 332.3 | 333.7 | 334.3 | 334.7 | 335.7 | 334.3 | 334.0  | 332.3  | 331.3  | 332.3  |
| 25°   | 340.0 | 339.7 | 341.3 | 342.3 | 344.0 | 345.0 | 345.0 | 345.0  | 343.7  | 342.0  | 341.0  |
| 27.5° | 351.3 | 351.3 | 353.0 | 354.0 | 355.3 | 357.3 | 358.3 | 358.3  | 358.7  | 356.3  | 354.7  |
| 30°   | 370.3 | 370.7 | 371.0 | 372.3 | 373.7 | 374.3 | 375.7 | 376.7  | 377.7  | 376.3  | 373.7  |
| 32.5° | 393.0 | 391.0 | 391.0 | 393.0 | 394.7 | 396.7 | 397.3 | 398.7  | 400.7  | 399.7  | 399.3  |
| 35°   | 420.0 | 419.3 | 418.7 | 419.3 | 421.3 | 423.7 | 426.3 | 428.7  | 427.3  | 429.3  | 428.3  |
| 37.5° | 460.0 | 460.7 | 461.0 | 461.0 | 460.7 | 461.3 | 462.7 | 465.0  | 464.3  | 465.0  | 466.3  |
| 40°   | 526.0 | 523.7 | 521.3 | 521.7 | 518.3 | 519.0 | 513.7 | 516.0  | 516.3  | 514.0  | 515.0  |
| 42.5° | 592.0 | 593.3 | 594.3 | 597.0 | 594.7 | 593.3 | 588.3 | 588.3  | 585.7  | 583.3  | 582.7  |
| 45°   | 663.3 | 666.0 | 666.3 | 671.7 | 669.7 | 674.0 | 677.7 | 676.7  | 672.3  | 672.0  | 667.3  |
| 47.5° | 720.3 | 724.7 | 729.3 | 735.7 | 740.7 | 750.3 | 761.7 | 767.3  | 770.7  | 773.3  | 768.0  |
| 50°   | 763.0 | 765.0 | 777.0 | 787.0 | 798.0 | 814.0 | 829.7 | 850.0  | 866.3  | 874.0  | 881.3  |
| 52.5° | 786.0 | 791.0 | 804.0 | 819.7 | 839.0 | 863.0 | 888.3 | 920.7  | 948.7  | 967.3  | 984.0  |
| 55°   | 791.0 | 796.0 | 810.7 | 830.7 | 857.0 | 889.3 | 925.7 | 969.7  | 1011.7 | 1047.7 | 1082.7 |
| 57.5° | 777.0 | 782.7 | 798.3 | 821.3 | 852.3 | 891.7 | 937.3 | 995.0  | 1053.0 | 1111.3 | 1163.0 |
| 60°   | 751.3 | 758.3 | 772.7 | 795.3 | 829.7 | 874.0 | 928.7 | 1001.0 | 1082.3 | 1171.7 | 1270.7 |
| 62.5° | 709.0 | 716.3 | 729.7 | 754.7 | 790.0 | 839.0 | 902.3 | 992.3  | 1107.3 | 1248.0 | 1423.7 |
| 65°   | 641.0 | 644.3 | 660.7 | 686.0 | 717.3 | 771.3 | 841.0 | 949.7  | 1099.3 | 1295.0 | 1537.0 |
| 66°   | 610.3 | 616.0 | 626.0 | 646.3 | 676.3 | 727.0 | 797.0 | 907.3  | 1069.0 | 1278.7 | 1534.0 |
| 67.5° | 562.3 | 566.7 | 573.3 | 587.0 | 605.3 | 642.7 | 709.0 | 813.3  | 976.3  | 1196.0 | 1470.3 |
| 70°   | 454.7 | 456.7 | 465.7 | 470.3 | 476.7 | 489.0 | 513.0 | 573.0  | 700.0  | 906.3  | 1186.7 |
| 72.5° | 310.0 | 315.7 | 325.3 | 338.7 | 356.0 | 372.7 | 384.0 | 391.7  | 419.0  | 540.7  | 790.7  |
| 75°   | 227.3 | 233.3 | 245.7 | 263.3 | 293.7 | 328.3 | 364.3 | 381.0  | 369.7  | 354.0  | 440.3  |
| 77.5° | 132.0 | 140.0 | 150.3 | 167.3 | 195.3 | 241.3 | 303.0 | 357.7  | 394.7  | 397.0  | 377.0  |
| 80°   | 55.7  | 56.7  | 63.0  | 71.7  | 89.0  | 121.3 | 169.3 | 248.0  | 330.0  | 385.3  | 398.3  |
| 82.5° | 12.7  | 15.7  | 20.0  | 23.7  | 29.0  | 40.0  | 59.3  | 98.7   | 178.3  | 279.7  | 364.7  |
| 85°   | 4.7   | 4.7   | 6.3   | 9.3   | 10.7  | 12.0  | 15.7  | 25.0   | 42.7   | 78.7   | 164.0  |
| 87.5° | 0.0   | 0.3   | 0.7   | 0.7   | 1.3   | 1.7   | 2.7   | 3.7    | 3.3    | 3.0    | 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    |



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CATALOG NUMBER: TLM-E01-LED-E1-T3

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  | 332.3  |
| 2.5°  | 333.3  | 333.0  | 332.3  | 332.3  | 332.3  | 332.3  | 331.7  | 332.0  | 331.3  | 331.7  | 331.7  |
| 5°    | 333.0  | 333.0  | 332.7  | 332.0  | 332.3  | 332.3  | 332.7  | 332.0  | 332.0  | 332.3  | 332.0  |
| 7.5°  | 333.0  | 332.7  | 332.7  | 332.7  | 333.0  | 332.7  | 333.0  | 333.0  | 333.0  | 333.3  | 333.3  |
| 10°   | 333.0  | 333.0  | 333.7  | 334.0  | 334.0  | 334.3  | 335.3  | 335.3  | 335.7  | 336.0  | 336.7  |
| 12.5° | 333.3  | 334.7  | 335.7  | 336.7  | 337.0  | 337.7  | 339.3  | 339.3  | 340.0  | 341.0  | 341.3  |
| 15°   | 333.7  | 335.7  | 337.7  | 338.3  | 339.0  | 340.3  | 342.0  | 342.7  | 343.7  | 344.7  | 345.3  |
| 17.5° | 333.3  | 336.0  | 338.3  | 339.3  | 340.3  | 342.0  | 344.0  | 344.7  | 346.0  | 347.3  | 348.7  |
| 20°   | 333.0  | 336.7  | 340.3  | 341.7  | 343.0  | 345.3  | 348.0  | 349.7  | 351.0  | 353.0  | 354.3  |
| 22.5° | 335.0  | 339.3  | 344.3  | 346.3  | 348.7  | 351.7  | 355.3  | 357.3  | 359.0  | 361.0  | 362.0  |
| 25°   | 341.3  | 344.7  | 350.7  | 354.0  | 357.0  | 362.0  | 367.0  | 369.3  | 371.3  | 373.0  | 373.3  |
| 27.5° | 352.0  | 353.0  | 360.3  | 364.7  | 369.0  | 377.0  | 383.0  | 384.7  | 388.3  | 389.7  | 389.3  |
| 30°   | 369.3  | 367.7  | 373.7  | 380.3  | 386.7  | 397.7  | 405.0  | 409.3  | 412.7  | 412.7  | 410.0  |
| 32.5° | 394.3  | 391.7  | 393.3  | 401.0  | 408.3  | 424.3  | 433.0  | 438.7  | 441.0  | 440.3  | 434.7  |
| 35°   | 427.0  | 425.3  | 424.3  | 430.3  | 442.0  | 460.7  | 472.0  | 475.0  | 478.7  | 478.0  | 470.7  |
| 37.5° | 465.7  | 464.3  | 464.3  | 471.3  | 482.7  | 510.3  | 522.7  | 524.7  | 524.3  | 519.0  | 505.3  |
| 40°   | 511.3  | 510.7  | 507.7  | 511.7  | 521.3  | 557.3  | 574.0  | 576.7  | 573.0  | 564.3  | 548.3  |
| 42.5° | 577.0  | 573.0  | 563.7  | 566.0  | 573.3  | 608.3  | 630.0  | 637.3  | 633.7  | 625.0  | 599.0  |
| 45°   | 662.7  | 658.3  | 642.7  | 640.7  | 644.7  | 675.3  | 703.3  | 705.0  | 704.3  | 693.3  | 662.7  |
| 47.5° | 763.3  | 756.7  | 740.0  | 734.7  | 733.3  | 761.7  | 788.7  | 791.3  | 789.7  | 773.3  | 732.3  |
| 50°   | 872.3  | 862.7  | 851.7  | 848.0  | 842.7  | 863.0  | 890.3  | 890.7  | 884.0  | 861.3  | 823.0  |
| 52.5° | 988.7  | 985.3  | 983.3  | 979.7  | 977.3  | 995.0  | 1011.7 | 1001.7 | 991.7  | 968.0  | 934.7  |
| 55°   | 1106.0 | 1119.7 | 1133.7 | 1135.0 | 1139.0 | 1158.0 | 1157.7 | 1130.3 | 1123.0 | 1110.0 | 1077.0 |
| 57.5° | 1230.7 | 1281.3 | 1325.3 | 1339.0 | 1352.3 | 1387.7 | 1384.3 | 1357.3 | 1348.0 | 1332.0 | 1304.7 |
| 60°   | 1400.3 | 1537.0 | 1664.0 | 1694.3 | 1715.3 | 1757.7 | 1753.7 | 1712.0 | 1731.3 | 1730.0 | 1694.7 |
| 62.5° | 1638.0 | 1865.3 | 2055.7 | 2102.3 | 2117.0 | 2121.7 | 2096.3 | 2051.3 | 2070.3 | 2091.7 | 1983.0 |
| 65°   | 1799.0 | 2066.3 | 2261.7 | 2297.7 | 2299.7 | 2244.0 | 2187.7 | 2134.7 | 2130.0 | 2111.7 | 1956.3 |
| 66°   | 1802.7 | 2076.3 | 2272.3 | 2307.3 | 2295.0 | 2219.0 | 2147.7 | 2094.3 | 2071.3 | 2031.0 | 1870.0 |
| 67.5° | 1738.0 | 2014.0 | 2225.0 | 2262.0 | 2235.0 | 2127.3 | 2029.0 | 1960.3 | 1915.3 | 1850.0 | 1708.0 |
| 70°   | 1459.7 | 1733.3 | 1993.3 | 2062.3 | 2071.0 | 1910.3 | 1774.0 | 1693.3 | 1632.7 | 1543.0 | 1420.7 |
| 72.5° | 1085.3 | 1332.7 | 1562.0 | 1628.0 | 1661.7 | 1533.3 | 1418.3 | 1357.0 | 1274.0 | 1179.7 | 1092.7 |
| 75°   | 680.3  | 855.0  | 1008.7 | 1055.0 | 1023.3 | 924.0  | 855.0  | 829.3  | 747.7  | 691.3  | 651.7  |
| 77.5° | 389.0  | 443.7  | 456.0  | 438.3  | 401.0  | 307.0  | 218.3  | 161.7  | 140.3  | 155.3  | 171.3  |
| 80°   | 379.7  | 348.0  | 277.3  | 244.0  | 221.0  | 152.0  | 89.3   | 61.3   | 51.0   | 52.3   | 56.7   |
| 82.5° | 411.3  | 441.3  | 363.3  | 296.3  | 248.7  | 168.0  | 92.7   | 49.3   | 33.3   | 39.3   | 44.3   |
| 85°   | 267.3  | 372.0  | 335.0  | 282.3  | 228.7  | 143.7  | 76.3   | 25.7   | 17.0   | 22.3   | 30.7   |
| 87.5° | 27.0   | 29.7   | 25.3   | 34.3   | 25.7   | 12.0   | 6.0    | 3.7    | 3.3    | 4.0    | 6.0    |
| 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: P155570

CATALOG NUMBER: TLM-E01-LED-E1-T3

**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 110°   | 115°   | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 332.3  | 332.3  | 332.3  | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5°  | 332.0  | 332.0  | 332.3  | 332.7 | 333.0 | 333.3 | 333.3 | 333.3 | 333.3 | 334.0 | 333.7 |
| 5°    | 332.7  | 333.3  | 334.0  | 334.3 | 335.0 | 335.0 | 336.0 | 335.7 | 335.7 | 336.7 | 337.0 |
| 7.5°  | 334.0  | 335.0  | 336.3  | 336.0 | 337.3 | 337.0 | 337.7 | 337.7 | 336.7 | 337.0 | 336.3 |
| 10°   | 337.0  | 338.3  | 339.0  | 338.0 | 338.3 | 337.0 | 336.7 | 335.0 | 333.0 | 332.0 | 330.7 |
| 12.5° | 342.0  | 343.3  | 343.3  | 341.7 | 339.7 | 336.7 | 334.3 | 330.7 | 327.7 | 326.0 | 324.3 |
| 15°   | 346.3  | 347.7  | 347.3  | 344.7 | 341.7 | 337.0 | 333.7 | 329.3 | 325.0 | 322.3 | 320.7 |
| 17.5° | 349.7  | 350.3  | 349.3  | 345.7 | 342.3 | 338.0 | 334.7 | 330.0 | 325.0 | 321.7 | 318.7 |
| 20°   | 354.7  | 354.0  | 351.7  | 347.0 | 343.3 | 339.3 | 336.7 | 332.7 | 327.0 | 322.7 | 318.3 |
| 22.5° | 362.0  | 359.3  | 355.0  | 350.0 | 346.3 | 342.7 | 340.0 | 335.7 | 330.0 | 324.7 | 319.7 |
| 25°   | 371.7  | 366.3  | 360.3  | 355.0 | 351.7 | 347.7 | 344.7 | 340.0 | 334.0 | 328.0 | 322.0 |
| 27.5° | 385.7  | 376.3  | 368.7  | 364.0 | 360.3 | 355.3 | 351.7 | 345.7 | 339.3 | 332.3 | 325.7 |
| 30°   | 401.3  | 388.7  | 381.3  | 377.7 | 373.7 | 368.3 | 362.7 | 355.0 | 347.7 | 340.0 | 332.0 |
| 32.5° | 421.7  | 406.3  | 399.3  | 395.7 | 390.3 | 383.7 | 377.0 | 368.3 | 358.0 | 348.0 | 338.3 |
| 35°   | 448.3  | 432.7  | 425.3  | 419.7 | 412.3 | 403.7 | 394.0 | 382.3 | 368.3 | 355.0 | 342.7 |
| 37.5° | 477.0  | 460.0  | 453.0  | 447.0 | 436.0 | 424.7 | 411.0 | 394.0 | 375.0 | 357.3 | 342.0 |
| 40°   | 513.3  | 497.7  | 488.7  | 478.3 | 465.3 | 445.7 | 424.3 | 399.7 | 375.3 | 353.7 | 335.7 |
| 42.5° | 559.3  | 543.7  | 530.3  | 514.0 | 491.3 | 461.0 | 430.7 | 398.7 | 369.3 | 344.7 | 325.3 |
| 45°   | 620.3  | 601.3  | 578.3  | 549.7 | 513.0 | 470.7 | 431.0 | 392.3 | 358.0 | 330.7 | 310.0 |
| 47.5° | 695.0  | 666.0  | 628.3  | 580.0 | 527.3 | 473.3 | 425.7 | 379.7 | 340.3 | 310.7 | 287.7 |
| 50°   | 783.7  | 738.0  | 676.0  | 605.0 | 534.7 | 469.3 | 412.3 | 360.7 | 315.3 | 283.7 | 256.3 |
| 52.5° | 885.0  | 810.3  | 719.0  | 623.0 | 534.3 | 456.0 | 389.7 | 332.0 | 282.7 | 247.3 | 221.3 |
| 55°   | 1004.0 | 893.0  | 763.3  | 636.3 | 525.0 | 431.3 | 355.0 | 291.7 | 242.3 | 209.7 | 185.7 |
| 57.5° | 1178.3 | 1027.0 | 840.7  | 657.0 | 506.3 | 393.3 | 308.0 | 243.3 | 200.0 | 169.0 | 148.7 |
| 60°   | 1497.0 | 1250.7 | 980.0  | 698.7 | 477.7 | 337.7 | 253.0 | 191.7 | 155.3 | 130.3 | 116.7 |
| 62.5° | 1737.0 | 1423.7 | 1055.3 | 689.3 | 420.0 | 269.0 | 187.7 | 139.7 | 114.3 | 97.3  | 88.7  |
| 65°   | 1702.7 | 1370.0 | 975.0  | 593.7 | 329.3 | 189.7 | 124.7 | 95.0  | 78.7  | 70.7  | 65.7  |
| 66°   | 1625.0 | 1300.0 | 905.3  | 534.3 | 284.7 | 157.7 | 102.7 | 79.7  | 67.7  | 62.0  | 58.7  |
| 67.5° | 1477.7 | 1170.0 | 780.7  | 438.0 | 218.7 | 114.3 | 77.3  | 63.0  | 55.0  | 52.7  | 50.3  |
| 70°   | 1228.3 | 933.0  | 548.0  | 255.0 | 111.7 | 63.7  | 49.0  | 44.0  | 42.0  | 41.7  | 41.0  |
| 72.5° | 941.3  | 660.3  | 322.7  | 120.7 | 58.0  | 42.3  | 38.0  | 36.3  | 35.7  | 35.7  | 36.0  |
| 75°   | 577.0  | 371.0  | 142.7  | 59.0  | 40.7  | 35.7  | 33.7  | 33.0  | 32.7  | 33.0  | 32.7  |
| 77.5° | 192.7  | 118.0  | 61.0   | 44.7  | 37.0  | 33.0  | 31.7  | 31.0  | 31.0  | 31.0  | 31.0  |
| 80°   | 59.0   | 51.3   | 46.7   | 41.3  | 35.0  | 31.3  | 29.3  | 29.0  | 29.3  | 29.7  | 28.7  |
| 82.5° | 44.3   | 42.0   | 39.3   | 36.7  | 31.7  | 28.0  | 27.3  | 27.3  | 27.3  | 26.3  | 25.0  |
| 85°   | 32.7   | 32.3   | 26.7   | 25.0  | 23.3  | 23.3  | 23.3  | 23.3  | 22.3  | 20.7  | 19.3  |
| 87.5° | 6.0    | 5.7    | 6.0    | 6.3   | 9.3   | 10.0  | 10.0  | 10.7  | 11.7  | 11.0  | 11.0  |
| 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: P155570

CATALOG NUMBER: TLM-E01-LED-E1-T3

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 332.3 | 332.3 | 332.3 | 332.3 | 332.3 |
| 2.5°  | 333.7 | 333.3 | 334.3 | 333.7 | 334.0 |
| 5°    | 336.7 | 336.3 | 337.0 | 336.3 | 337.3 |
| 7.5°  | 335.7 | 335.0 | 334.7 | 335.0 | 335.3 |
| 10°   | 328.7 | 328.0 | 327.7 | 327.3 | 327.7 |
| 12.5° | 322.7 | 321.3 | 321.3 | 320.7 | 321.0 |
| 15°   | 318.3 | 317.3 | 317.0 | 316.3 | 316.7 |
| 17.5° | 316.3 | 314.7 | 314.0 | 313.3 | 313.3 |
| 20°   | 315.0 | 313.0 | 312.0 | 311.3 | 311.0 |
| 22.5° | 315.0 | 312.0 | 310.7 | 310.0 | 309.7 |
| 25°   | 316.3 | 312.7 | 310.7 | 309.7 | 309.3 |
| 27.5° | 319.0 | 314.3 | 312.0 | 310.7 | 310.7 |
| 30°   | 323.7 | 317.7 | 314.3 | 312.7 | 312.3 |
| 32.5° | 328.3 | 320.3 | 315.7 | 313.7 | 313.0 |
| 35°   | 330.7 | 320.3 | 314.7 | 311.3 | 310.7 |
| 37.5° | 328.0 | 316.0 | 309.0 | 304.0 | 303.0 |
| 40°   | 319.7 | 307.0 | 299.3 | 294.7 | 294.0 |
| 42.5° | 308.7 | 296.3 | 287.3 | 284.0 | 283.0 |
| 45°   | 293.7 | 279.0 | 270.0 | 265.3 | 265.7 |
| 47.5° | 268.0 | 253.0 | 245.0 | 240.7 | 241.3 |
| 50°   | 237.7 | 223.0 | 216.0 | 211.3 | 212.3 |
| 52.5° | 204.3 | 191.0 | 184.3 | 182.0 | 181.3 |
| 55°   | 169.3 | 159.0 | 154.3 | 151.7 | 150.7 |
| 57.5° | 137.3 | 130.0 | 126.7 | 123.3 | 123.7 |
| 60°   | 108.3 | 104.7 | 103.7 | 100.0 | 99.7  |
| 62.5° | 85.3  | 83.0  | 82.0  | 79.3  | 79.7  |
| 65°   | 64.7  | 64.0  | 64.7  | 63.0  | 63.7  |
| 66°   | 58.3  | 58.7  | 58.7  | 57.7  | 58.3  |
| 67.5° | 50.3  | 51.0  | 52.0  | 51.0  | 51.7  |
| 70°   | 41.7  | 42.3  | 43.0  | 43.0  | 43.0  |
| 72.5° | 36.3  | 37.0  | 37.3  | 37.3  | 37.3  |
| 75°   | 33.3  | 33.7  | 34.0  | 33.3  | 33.3  |
| 77.5° | 31.3  | 31.3  | 30.7  | 30.3  | 30.0  |
| 80°   | 28.3  | 28.0  | 27.0  | 26.3  | 26.3  |
| 82.5° | 23.7  | 23.0  | 22.3  | 21.3  | 21.3  |
| 85°   | 18.0  | 17.3  | 16.7  | 15.3  | 14.7  |
| 87.5° | 9.3   | 9.7   | 9.3   | 7.7   | 6.7   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)