

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: P151831

Luminaire Tested: **TLM-E06-LED-E1-SL4-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P151831  
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-E06-LED-E1-SL4-HSS-7050  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (126) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 12527.6 lumens  
Efficiency: N/A  
Efficacy: 83.2 lumens/watt  
Spacing Criteria (0/90/45): 4.24 / 0.98 / 4.1  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Direct

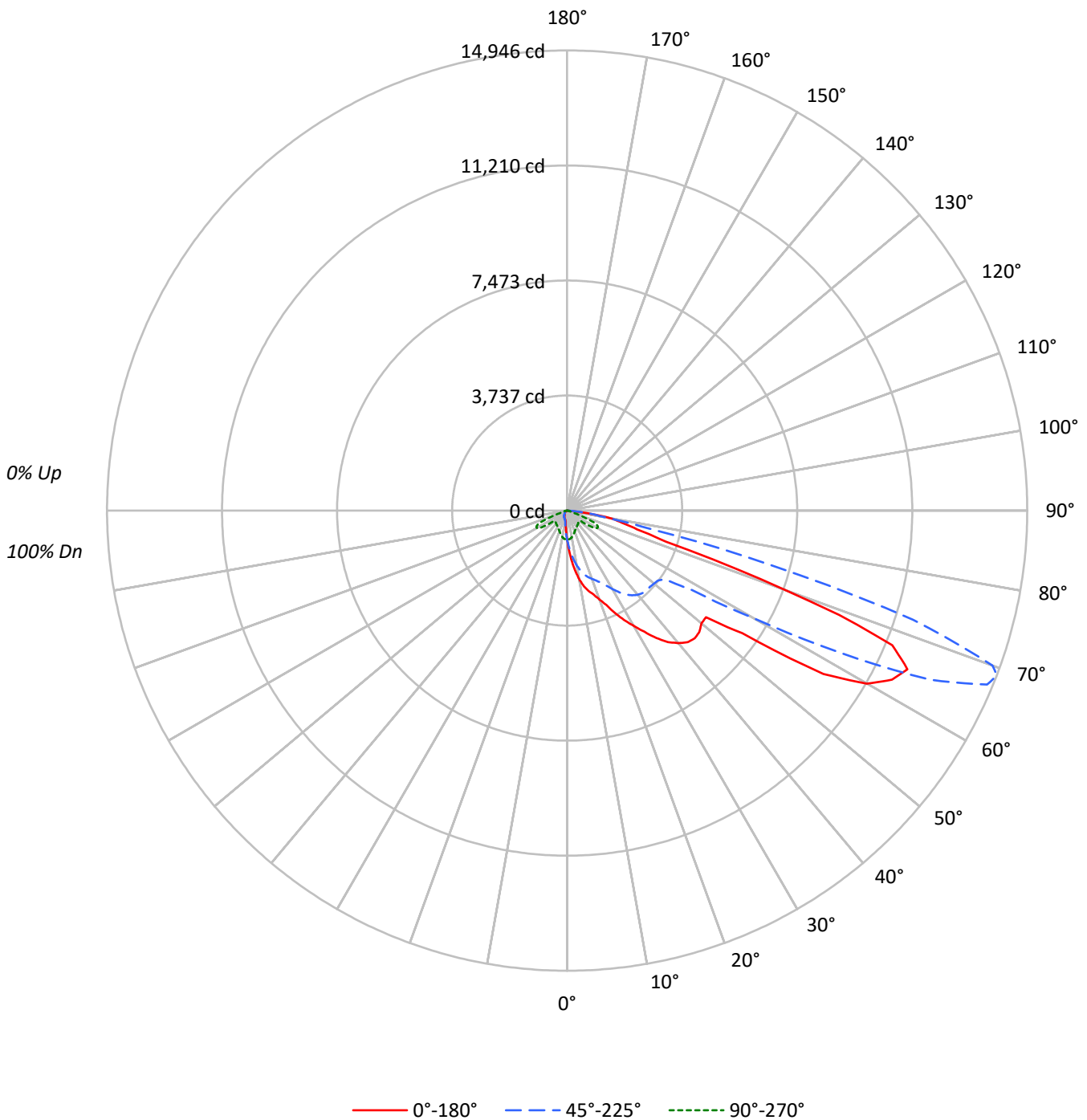
Input Watts (W): 150.5  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### 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  | 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°  | 10184  | 10184 | 10184 |
| 5°  | 17407  | 10045 | 5344  |
| 10° | 24786  | 9600  | 3432  |
| 15° | 30141  | 8828  | 3110  |
| 20° | 35167  | 8228  | 2821  |
| 25° | 43530  | 7873  | 2486  |
| 30° | 53719  | 7704  | 2117  |
| 35° | 66391  | 7632  | 1779  |
| 40° | 78982  | 7756  | 1644  |
| 45° | 89283  | 8091  | 1687  |
| 50° | 95398  | 8900  | 1546  |
| 55° | 130364 | 15405 | 925   |
| 60° | 242061 | 24432 | 663   |
| 65° | 310581 | 26397 | 627   |
| 70° | 234514 | 10914 | 711   |
| 75° | 97637  | 4184  | 853   |
| 80° | 89174  | 3942  | 1147  |
| 85° | 7855   | 3545  | 2025  |



TEST NUMBER: P151831

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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 97.2    | 0.8       |
| 10°-20°   | 335.3   | 2.7       |
| 20°-30°   | 641.7   | 5.1       |
| 30°-40°   | 1067.1  | 8.5       |
| 40°-50°   | 1444.0  | 11.5      |
| 50°-60°   | 2258.3  | 18.0      |
| 60°-70°   | 4642.9  | 37.1      |
| 70°-80°   | 1868.2  | 14.9      |
| 80°-90°   | 172.8   | 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°    | 1074.2  | 8.6       |
| 0°-40°    | 2141.3  | 17.1      |
| 0°-60°    | 5843.6  | 46.6      |
| 0°-90°    | 12527.6 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 12527.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 45°   | 90°  | 135° | 180° | Flux  |
|-----|-------|-------|------|------|------|-------|
| 0°  | 946   | 946   | 946  | 946  | 946  |       |
| 5°  | 1611  | 1371  | 930  | 591  | 495  | 174   |
| 15° | 2705  | 2145  | 792  | 294  | 279  | 773   |
| 25° | 3665  | 2582  | 663  | 234  | 209  | 1717  |
| 35° | 5052  | 3333  | 581  | 166  | 135  | 3168  |
| 45° | 5865  | 3649  | 532  | 109  | 111  | 4483  |
| 55° | 6947  | 3879  | 821  | 72   | 49   | 7004  |
| 65° | 12194 | 13003 | 1036 | 35   | 25   | 11171 |
| 75° | 2348  | 6846  | 101  | 14   | 20   | 3147  |
| 85° | 64    | 275   | 29   | 10   | 16   | 394   |
| 90° | 0     | 0     | 0    | 0    | 0    |       |



TEST NUMBER: P151831

CATALOG NUMBER: TLM-E06-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 10°     | 15°     | 20°     | 25°     | 30°     | 35°     | 40°     | 45°     | 50°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   | 946.1   |
| 2.5°  | 1262.1  | 1247.7  | 1231.3  | 1231.3  | 1210.8  | 1210.8  | 1198.5  | 1165.7  | 1161.6  | 1143.1  | 1124.6  |
| 5°    | 1611.0  | 1598.7  | 1578.2  | 1559.7  | 1543.3  | 1514.5  | 1494.0  | 1455.0  | 1411.9  | 1370.9  | 1333.9  |
| 7.5°  | 1951.7  | 1945.5  | 1908.6  | 1902.4  | 1875.7  | 1828.5  | 1787.5  | 1730.0  | 1656.1  | 1598.7  | 1530.9  |
| 10°   | 2267.7  | 2253.3  | 2245.1  | 2210.2  | 2171.2  | 2119.9  | 2056.3  | 1986.5  | 1900.3  | 1810.0  | 1713.6  |
| 12.5° | 2518.1  | 2509.9  | 2472.9  | 2458.5  | 2417.5  | 2366.2  | 2286.2  | 2195.9  | 2109.7  | 1992.7  | 1879.8  |
| 15°   | 2704.8  | 2690.4  | 2665.8  | 2643.2  | 2594.0  | 2548.8  | 2475.0  | 2376.5  | 2271.8  | 2144.6  | 2009.1  |
| 17.5° | 2860.8  | 2834.1  | 2827.9  | 2793.1  | 2741.8  | 2688.4  | 2606.3  | 2516.0  | 2392.9  | 2265.6  | 2117.9  |
| 20°   | 3070.1  | 3033.2  | 3020.9  | 2969.5  | 2910.0  | 2836.2  | 2741.8  | 2628.9  | 2499.6  | 2360.0  | 2208.2  |
| 22.5° | 3316.4  | 3289.7  | 3263.0  | 3217.9  | 3141.9  | 3037.3  | 2899.8  | 2776.6  | 2612.5  | 2458.5  | 2294.4  |
| 25°   | 3665.2  | 3642.7  | 3599.6  | 3538.0  | 3443.6  | 3318.4  | 3152.2  | 2971.6  | 2778.7  | 2581.7  | 2388.8  |
| 27.5° | 4003.9  | 3983.3  | 3952.6  | 3905.4  | 3798.6  | 3661.1  | 3455.9  | 3226.1  | 2981.9  | 2743.8  | 2530.4  |
| 30°   | 4322.0  | 4303.5  | 4272.7  | 4225.5  | 4131.1  | 3995.7  | 3763.8  | 3517.5  | 3213.8  | 2936.7  | 2680.2  |
| 32.5° | 4664.7  | 4658.5  | 4623.6  | 4555.9  | 4473.8  | 4291.2  | 4038.8  | 3774.0  | 3466.2  | 3146.0  | 2846.4  |
| 35°   | 5052.5  | 5005.3  | 4972.5  | 4904.8  | 4765.2  | 4570.3  | 4274.8  | 3985.4  | 3661.1  | 3332.8  | 2998.3  |
| 37.5° | 5380.9  | 5335.7  | 5294.7  | 5208.5  | 5038.2  | 4789.9  | 4455.3  | 4137.3  | 3802.7  | 3468.2  | 3127.6  |
| 40°   | 5621.0  | 5598.4  | 5549.2  | 5436.3  | 5245.5  | 4949.9  | 4588.7  | 4241.9  | 3905.4  | 3568.8  | 3232.2  |
| 42.5° | 5799.5  | 5764.7  | 5709.3  | 5592.3  | 5366.5  | 5030.0  | 4642.1  | 4285.0  | 3952.6  | 3630.4  | 3300.0  |
| 45°   | 5865.2  | 5836.5  | 5785.2  | 5657.9  | 5413.7  | 5052.5  | 4640.0  | 4272.7  | 3954.6  | 3648.8  | 3345.1  |
| 47.5° | 5826.2  | 5797.5  | 5752.3  | 5633.3  | 5393.2  | 5025.9  | 4603.1  | 4237.8  | 3934.1  | 3655.0  | 3386.1  |
| 50°   | 5696.9  | 5680.5  | 5645.6  | 5545.1  | 5329.6  | 4974.6  | 4570.3  | 4219.3  | 3930.0  | 3685.8  | 3443.6  |
| 52.5° | 5684.6  | 5674.4  | 5631.3  | 5530.7  | 5311.1  | 4958.1  | 4566.2  | 4229.6  | 3964.9  | 3724.8  | 3484.7  |
| 55°   | 6946.7  | 6801.0  | 6474.7  | 6197.7  | 5742.1  | 5200.3  | 4773.4  | 4395.8  | 4112.6  | 3878.7  | 3710.4  |
| 57.5° | 9873.2  | 9655.7  | 9226.7  | 8699.3  | 7652.7  | 6624.5  | 5801.6  | 5206.5  | 4913.0  | 4806.3  | 4869.9  |
| 60°   | 11244.1 | 11205.1 | 11137.3 | 10887.0 | 10351.4 | 9466.8  | 8481.8  | 7416.7  | 6989.8  | 6952.9  | 7082.2  |
| 62.5° | 11894.6 | 11870.0 | 11890.5 | 11859.7 | 11693.5 | 11434.9 | 11151.7 | 10692.0 | 10269.3 | 9996.3  | 9417.6  |
| 65°   | 12194.2 | 12210.7 | 12327.6 | 12420.0 | 12440.5 | 12508.2 | 12715.5 | 13288.1 | 13706.7 | 13002.8 | 11395.9 |
| 67.5° | 11432.9 | 11529.3 | 11798.2 | 12134.7 | 12528.7 | 12910.5 | 13526.1 | 14732.8 | 15592.7 | 14765.7 | 12483.6 |
| 69°   | 9464.8  | 9512.0  | 10168.7 | 10802.8 | 11765.3 | 12438.5 | 13331.2 | 14913.4 | 15880.0 | 14946.3 | 12397.4 |
| 70°   | 7451.6  | 7494.7  | 8198.6  | 9060.5  | 10687.9 | 11553.9 | 12721.7 | 14607.6 | 15611.2 | 14706.1 | 11954.1 |
| 72.5° | 3361.5  | 3300.0  | 3548.3  | 4010.0  | 5779.0  | 7154.0  | 9196.0  | 11835.1 | 12879.7 | 11781.7 | 8943.5  |
| 75°   | 2347.7  | 2321.1  | 2347.7  | 2349.8  | 2624.8  | 3386.1  | 4272.7  | 6415.2  | 7933.8  | 6846.2  | 4272.7  |
| 77.5° | 1818.3  | 1799.8  | 1781.3  | 1760.8  | 1793.6  | 2009.1  | 2095.3  | 2275.9  | 2955.2  | 2795.1  | 1629.5  |
| 80°   | 1438.6  | 1422.2  | 1467.3  | 1453.0  | 1453.0  | 1477.6  | 1461.2  | 1393.5  | 1266.2  | 1173.9  | 1050.7  |
| 82.5° | 669.0   | 673.1   | 673.1   | 730.6   | 880.4   | 1028.2  | 1075.4  | 1007.6  | 894.8   | 761.4   | 613.6   |
| 85°   | 63.6    | 71.8    | 121.1   | 186.8   | 371.5   | 418.7   | 420.7   | 348.9   | 348.9   | 275.0   | 221.6   |
| 87.5° | 0.0     | 2.1     | 2.1     | 2.1     | 18.5    | 51.3    | 43.1    | 12.3    | 6.2     | 6.2     | 10.3    |
| 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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**CANDELA DISTRIBUTION (continued):**

|       | 55°     | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°   | 100°  | 105°  |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0°    | 946.1   | 946.1  | 946.1  | 946.1  | 946.1  | 946.1  | 946.1  | 946.1  | 946.1 | 946.1 | 946.1 |
| 2.5°  | 1091.8  | 1085.6 | 1061.0 | 1036.4 | 1013.8 | 989.2  | 966.6  | 944.0  | 919.4 | 900.9 | 878.3 |
| 5°    | 1276.5  | 1231.3 | 1180.0 | 1130.8 | 1081.5 | 1030.2 | 976.9  | 929.7  | 880.4 | 835.2 | 792.2 |
| 7.5°  | 1463.2  | 1375.0 | 1305.2 | 1217.0 | 1136.9 | 1056.9 | 983.0  | 907.1  | 837.3 | 771.6 | 710.1 |
| 10°   | 1621.2  | 1514.5 | 1405.8 | 1292.9 | 1178.0 | 1071.3 | 968.6  | 878.3  | 786.0 | 706.0 | 630.0 |
| 12.5° | 1750.5  | 1615.1 | 1481.7 | 1340.1 | 1210.8 | 1075.4 | 948.1  | 839.4  | 730.6 | 640.3 | 562.3 |
| 15°   | 1867.5  | 1711.5 | 1551.5 | 1387.3 | 1223.1 | 1069.2 | 927.6  | 792.2  | 681.3 | 578.7 | 490.5 |
| 17.5° | 1961.9  | 1783.4 | 1602.8 | 1418.1 | 1241.6 | 1061.0 | 900.9  | 759.3  | 630.0 | 523.3 | 437.1 |
| 20°   | 2044.0  | 1857.3 | 1662.3 | 1455.0 | 1253.9 | 1058.9 | 878.3  | 718.3  | 584.9 | 472.0 | 387.9 |
| 22.5° | 2119.9  | 1933.2 | 1723.9 | 1502.2 | 1272.4 | 1056.9 | 857.8  | 687.5  | 545.9 | 433.0 | 348.9 |
| 25°   | 2206.1  | 2009.1 | 1789.5 | 1551.5 | 1305.2 | 1065.1 | 845.5  | 662.9  | 511.0 | 396.1 | 318.1 |
| 27.5° | 2302.6  | 2095.3 | 1867.5 | 1613.0 | 1348.3 | 1081.5 | 841.4  | 636.2  | 480.2 | 361.2 | 293.5 |
| 30°   | 2438.0  | 2197.9 | 1945.5 | 1674.6 | 1387.3 | 1100.0 | 837.3  | 619.8  | 449.4 | 334.5 | 268.8 |
| 32.5° | 2557.1  | 2298.5 | 2031.7 | 1738.2 | 1430.4 | 1118.5 | 835.2  | 597.2  | 420.7 | 307.8 | 250.4 |
| 35°   | 2682.2  | 2390.8 | 2105.6 | 1799.8 | 1467.3 | 1139.0 | 833.2  | 580.8  | 394.0 | 281.2 | 231.9 |
| 37.5° | 2791.0  | 2468.8 | 2163.0 | 1853.1 | 1508.4 | 1157.4 | 835.2  | 566.4  | 369.4 | 258.6 | 215.5 |
| 40°   | 2883.4  | 2548.8 | 2226.6 | 1902.4 | 1551.5 | 1186.2 | 837.3  | 552.0  | 344.8 | 238.1 | 201.1 |
| 42.5° | 2965.4  | 2624.8 | 2294.4 | 1957.8 | 1600.7 | 1219.0 | 849.6  | 539.7  | 324.2 | 219.6 | 186.8 |
| 45°   | 3029.1  | 2694.6 | 2368.3 | 2035.8 | 1680.8 | 1272.4 | 872.2  | 531.5  | 303.7 | 203.2 | 174.4 |
| 47.5° | 3094.7  | 2797.2 | 2493.4 | 2158.9 | 1797.7 | 1356.5 | 911.2  | 529.5  | 287.3 | 190.9 | 164.2 |
| 50°   | 3185.0  | 2899.8 | 2604.3 | 2284.1 | 1904.5 | 1442.7 | 958.4  | 531.5  | 266.8 | 178.5 | 153.9 |
| 52.5° | 3250.7  | 3004.4 | 2747.9 | 2501.6 | 2158.9 | 1705.4 | 1141.0 | 568.5  | 256.5 | 168.3 | 141.6 |
| 55°   | 3638.6  | 3595.5 | 3601.6 | 3642.7 | 3377.9 | 2901.8 | 1908.6 | 820.9  | 301.7 | 190.9 | 139.6 |
| 57.5° | 5130.5  | 5282.4 | 5370.6 | 5368.6 | 4931.5 | 4090.1 | 2563.2 | 1054.8 | 336.6 | 221.6 | 166.2 |
| 60°   | 7092.4  | 6977.5 | 6815.4 | 6415.2 | 5834.4 | 4668.8 | 2866.9 | 1134.9 | 291.4 | 176.5 | 151.9 |
| 62.5° | 8826.6  | 8153.4 | 7556.2 | 6907.7 | 6146.4 | 4869.9 | 2928.5 | 1128.7 | 254.5 | 133.4 | 106.7 |
| 65°   | 9908.1  | 8697.3 | 7732.7 | 6920.1 | 6023.2 | 4701.6 | 2770.5 | 1036.4 | 215.5 | 108.8 | 88.2  |
| 67.5° | 10166.7 | 8403.8 | 7039.1 | 6002.7 | 5032.0 | 3659.1 | 2033.7 | 779.8  | 168.3 | 90.3  | 78.0  |
| 69°   | 9602.3  | 7470.0 | 5832.4 | 4656.5 | 3661.1 | 2427.8 | 1258.0 | 492.5  | 129.3 | 82.1  | 71.8  |
| 70°   | 8832.7  | 6497.3 | 4750.9 | 3737.1 | 2711.0 | 1705.4 | 880.4  | 346.8  | 104.7 | 75.9  | 65.7  |
| 72.5° | 5682.6  | 3412.8 | 2335.4 | 1625.4 | 1118.5 | 679.3  | 344.8  | 156.0  | 80.0  | 63.6  | 53.4  |
| 75°   | 2204.1  | 1262.1 | 915.3  | 695.7  | 543.8  | 377.6  | 209.3  | 100.6  | 67.7  | 53.4  | 41.0  |
| 77.5° | 1085.6  | 831.1  | 679.3  | 465.9  | 270.9  | 168.3  | 112.9  | 78.0   | 55.4  | 39.0  | 26.7  |
| 80°   | 857.8   | 570.5  | 340.7  | 211.4  | 160.1  | 121.1  | 86.2   | 63.6   | 41.0  | 24.6  | 18.5  |
| 82.5° | 439.2   | 240.1  | 176.5  | 143.7  | 119.0  | 94.4   | 69.8   | 45.1   | 26.7  | 16.4  | 14.4  |
| 85°   | 137.5   | 100.6  | 90.3   | 88.2   | 82.1   | 67.7   | 49.3   | 28.7   | 16.4  | 10.3  | 10.3  |
| 87.5° | 10.3    | 14.4   | 18.5   | 14.4   | 16.4   | 14.4   | 18.5   | 12.3   | 8.2   | 8.2   | 6.2   |
| 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: P151831

CATALOG NUMBER: TLM-E06-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 | 946.1 |
| 2.5°  | 861.9 | 837.3 | 814.7 | 800.4 | 773.7 | 763.4 | 753.2 | 749.1 | 730.6 | 734.7 | 718.3 |
| 5°    | 753.2 | 710.1 | 677.2 | 644.4 | 613.6 | 591.0 | 572.6 | 550.0 | 531.5 | 523.3 | 506.9 |
| 7.5°  | 654.7 | 599.2 | 556.1 | 521.3 | 484.3 | 455.6 | 431.0 | 414.5 | 398.1 | 381.7 | 373.5 |
| 10°   | 568.5 | 508.9 | 459.7 | 424.8 | 389.9 | 365.3 | 346.8 | 334.5 | 324.2 | 318.1 | 316.0 |
| 12.5° | 488.4 | 431.0 | 385.8 | 355.0 | 328.4 | 316.0 | 307.8 | 301.7 | 299.6 | 297.6 | 297.6 |
| 15°   | 426.9 | 369.4 | 334.5 | 311.9 | 299.6 | 293.5 | 291.4 | 287.3 | 283.2 | 281.2 | 281.2 |
| 17.5° | 369.4 | 326.3 | 301.7 | 289.4 | 283.2 | 279.1 | 275.0 | 270.9 | 266.8 | 264.7 | 264.7 |
| 20°   | 330.4 | 295.5 | 283.2 | 275.0 | 268.8 | 264.7 | 258.6 | 254.5 | 252.4 | 250.4 | 248.3 |
| 22.5° | 299.6 | 277.0 | 268.8 | 262.7 | 254.5 | 248.3 | 244.2 | 240.1 | 236.0 | 234.0 | 231.9 |
| 25°   | 277.0 | 262.7 | 256.5 | 248.3 | 240.1 | 234.0 | 227.8 | 221.6 | 217.5 | 215.5 | 211.4 |
| 27.5° | 260.6 | 250.4 | 242.2 | 231.9 | 223.7 | 217.5 | 211.4 | 205.2 | 201.1 | 197.0 | 195.0 |
| 30°   | 246.3 | 236.0 | 225.7 | 217.5 | 207.3 | 201.1 | 192.9 | 186.8 | 184.7 | 180.6 | 176.5 |
| 32.5° | 231.9 | 221.6 | 211.4 | 201.1 | 190.9 | 182.6 | 178.5 | 170.3 | 166.2 | 164.2 | 160.1 |
| 35°   | 215.5 | 205.2 | 192.9 | 184.7 | 174.4 | 166.2 | 160.1 | 153.9 | 149.8 | 145.7 | 143.7 |
| 37.5° | 201.1 | 188.8 | 176.5 | 166.2 | 158.0 | 149.8 | 143.7 | 137.5 | 133.4 | 129.3 | 127.2 |
| 40°   | 184.7 | 172.4 | 160.1 | 149.8 | 141.6 | 135.4 | 129.3 | 123.1 | 119.0 | 117.0 | 117.0 |
| 42.5° | 170.3 | 156.0 | 143.7 | 135.4 | 129.3 | 121.1 | 114.9 | 108.8 | 106.7 | 104.7 | 106.7 |
| 45°   | 156.0 | 141.6 | 131.3 | 123.1 | 117.0 | 108.8 | 102.6 | 98.5  | 96.5  | 98.5  | 100.6 |
| 47.5° | 143.7 | 129.3 | 119.0 | 112.9 | 106.7 | 100.6 | 94.4  | 90.3  | 90.3  | 94.4  | 98.5  |
| 50°   | 131.3 | 117.0 | 108.8 | 104.7 | 98.5  | 92.3  | 84.1  | 82.1  | 84.1  | 88.2  | 92.3  |
| 52.5° | 119.0 | 102.6 | 96.5  | 94.4  | 88.2  | 82.1  | 75.9  | 73.9  | 75.9  | 80.0  | 78.0  |
| 55°   | 106.7 | 90.3  | 88.2  | 86.2  | 80.0  | 71.8  | 65.7  | 65.7  | 65.7  | 63.6  | 59.5  |
| 57.5° | 102.6 | 80.0  | 78.0  | 75.9  | 69.8  | 61.6  | 57.5  | 53.4  | 51.3  | 45.1  | 43.1  |
| 60°   | 106.7 | 71.8  | 71.8  | 67.7  | 61.6  | 53.4  | 47.2  | 41.0  | 36.9  | 32.8  | 32.8  |
| 62.5° | 86.2  | 65.7  | 63.6  | 59.5  | 51.3  | 43.1  | 36.9  | 30.8  | 28.7  | 26.7  | 26.7  |
| 65°   | 69.8  | 59.5  | 55.4  | 49.3  | 43.1  | 34.9  | 28.7  | 24.6  | 22.6  | 22.6  | 24.6  |
| 67.5° | 63.6  | 53.4  | 47.2  | 41.0  | 34.9  | 26.7  | 22.6  | 20.5  | 20.5  | 22.6  | 22.6  |
| 69°   | 59.5  | 49.3  | 43.1  | 36.9  | 30.8  | 24.6  | 20.5  | 20.5  | 20.5  | 20.5  | 22.6  |
| 70°   | 55.4  | 47.2  | 41.0  | 34.9  | 26.7  | 20.5  | 18.5  | 18.5  | 20.5  | 20.5  | 22.6  |
| 72.5° | 43.1  | 36.9  | 34.9  | 28.7  | 20.5  | 18.5  | 16.4  | 18.5  | 18.5  | 20.5  | 20.5  |
| 75°   | 32.8  | 26.7  | 26.7  | 22.6  | 16.4  | 14.4  | 14.4  | 16.4  | 16.4  | 18.5  | 18.5  |
| 77.5° | 22.6  | 18.5  | 18.5  | 16.4  | 14.4  | 12.3  | 12.3  | 14.4  | 16.4  | 16.4  | 18.5  |
| 80°   | 16.4  | 14.4  | 12.3  | 14.4  | 12.3  | 10.3  | 12.3  | 14.4  | 14.4  | 16.4  | 16.4  |
| 82.5° | 12.3  | 12.3  | 12.3  | 12.3  | 10.3  | 10.3  | 12.3  | 12.3  | 14.4  | 16.4  | 16.4  |
| 85°   | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 10.3  | 12.3  | 12.3  | 14.4  | 14.4  |
| 87.5° | 6.2   | 6.2   | 6.2   | 8.2   | 8.2   | 10.3  | 10.3  | 10.3  | 10.3  | 12.3  | 12.3  |
| 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: P151831

CATALOG NUMBER: TLM-E06-LED-E1-SL4-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 946.1 | 946.1 | 946.1 | 946.1 |
| 2.5°  | 714.2 | 712.1 | 703.9 | 706.0 |
| 5°    | 500.7 | 488.4 | 496.6 | 494.6 |
| 7.5°  | 367.3 | 365.3 | 363.2 | 367.3 |
| 10°   | 314.0 | 314.0 | 311.9 | 314.0 |
| 12.5° | 295.5 | 295.5 | 295.5 | 295.5 |
| 15°   | 281.2 | 281.2 | 279.1 | 279.1 |
| 17.5° | 264.7 | 264.7 | 264.7 | 262.7 |
| 20°   | 248.3 | 246.3 | 246.3 | 246.3 |
| 22.5° | 229.8 | 227.8 | 227.8 | 227.8 |
| 25°   | 211.4 | 209.3 | 209.3 | 209.3 |
| 27.5° | 192.9 | 190.9 | 188.8 | 188.8 |
| 30°   | 174.4 | 172.4 | 170.3 | 170.3 |
| 32.5° | 156.0 | 153.9 | 151.9 | 151.9 |
| 35°   | 139.6 | 139.6 | 137.5 | 135.4 |
| 37.5° | 125.2 | 125.2 | 125.2 | 125.2 |
| 40°   | 114.9 | 117.0 | 117.0 | 117.0 |
| 42.5° | 108.8 | 110.8 | 112.9 | 114.9 |
| 45°   | 104.7 | 108.8 | 110.8 | 110.8 |
| 47.5° | 102.6 | 104.7 | 106.7 | 106.7 |
| 50°   | 94.4  | 92.3  | 92.3  | 92.3  |
| 52.5° | 75.9  | 71.8  | 69.8  | 67.7  |
| 55°   | 55.4  | 53.4  | 49.3  | 49.3  |
| 57.5° | 39.0  | 39.0  | 36.9  | 36.9  |
| 60°   | 30.8  | 30.8  | 28.7  | 30.8  |
| 62.5° | 26.7  | 26.7  | 26.7  | 26.7  |
| 65°   | 24.6  | 24.6  | 24.6  | 24.6  |
| 67.5° | 24.6  | 24.6  | 24.6  | 24.6  |
| 69°   | 22.6  | 22.6  | 22.6  | 22.6  |
| 70°   | 22.6  | 22.6  | 22.6  | 22.6  |
| 72.5° | 20.5  | 20.5  | 20.5  | 20.5  |
| 75°   | 18.5  | 20.5  | 20.5  | 20.5  |
| 77.5° | 18.5  | 18.5  | 18.5  | 18.5  |
| 80°   | 16.4  | 16.4  | 18.5  | 18.5  |
| 82.5° | 16.4  | 16.4  | 16.4  | 16.4  |
| 85°   | 14.4  | 14.4  | 16.4  | 16.4  |
| 87.5° | 12.3  | 12.3  | 14.4  | 14.4  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)