

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: P151837

Luminaire Tested: **TLM-F06-LED-E1-SL4-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P151837
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-F06-LED-E1-SL4-HSS-7060
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND
HOUSE SIDE SHIELD
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

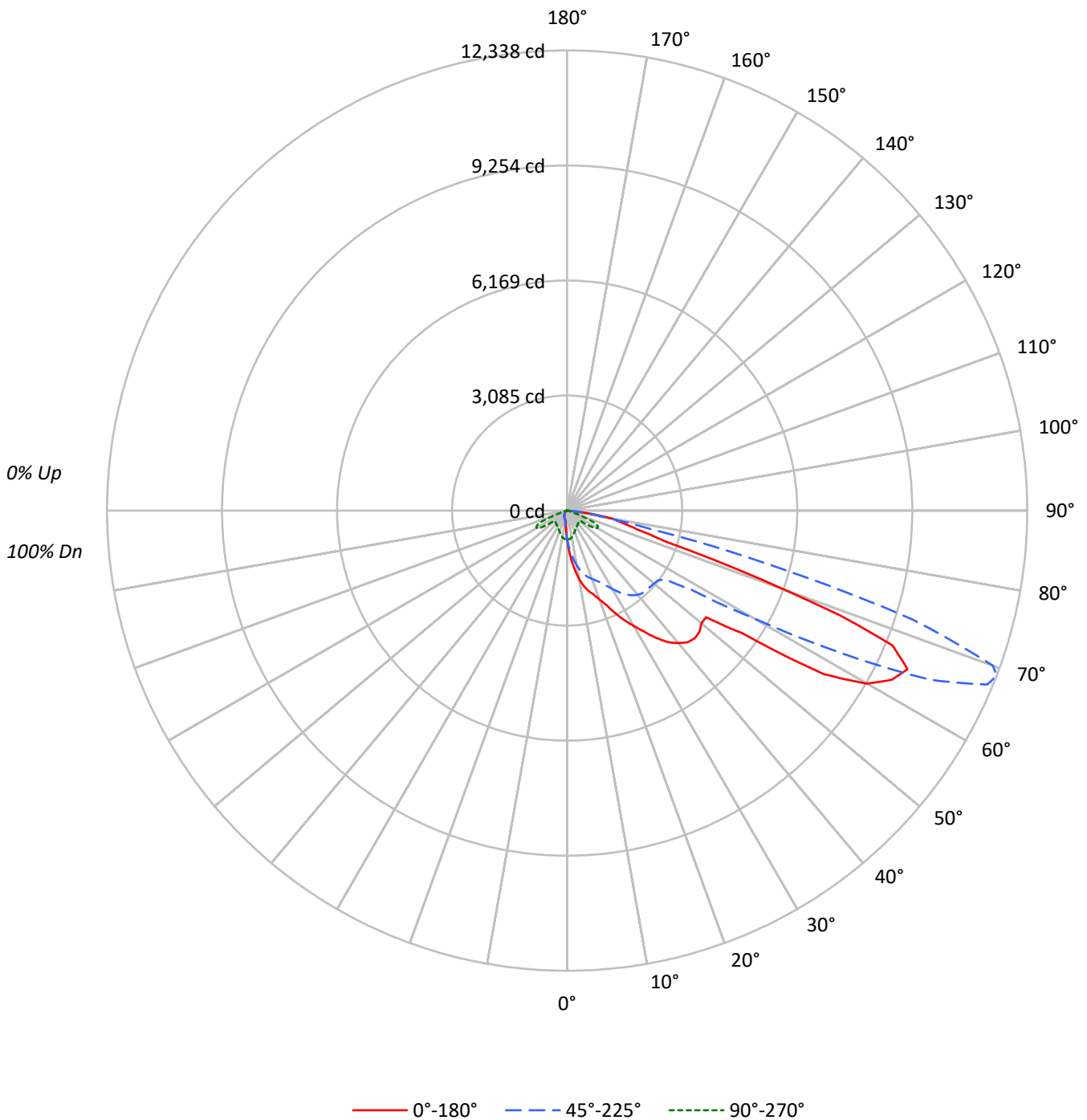
Lumens per Lamp: N/A
Luminaire Lumens: 10341.8 lumens
Efficiency: N/A
Efficacy: 66.1 lumens/watt
Spacing Criteria (0/90/45): 4.24 / 0.98 / 4.1
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

Input Watts (W): 156.5
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: P151837
CATALOG NUMBER: TLM-F06-LED-E1-SL4-HSS-7060

Luminous Intensity Polar Plot





TEST NUMBER: P151837

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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° | 8407 | 8407 | 8407 |
| 5° | 14370 | 8293 | 4412 |
| 10° | 20461 | 7925 | 2833 |
| 15° | 24883 | 7287 | 2567 |
| 20° | 29032 | 6793 | 2329 |
| 25° | 35936 | 6499 | 2052 |
| 30° | 44346 | 6359 | 1748 |
| 35° | 54808 | 6299 | 1469 |
| 40° | 65202 | 6403 | 1357 |
| 45° | 73706 | 6680 | 1393 |
| 50° | 78755 | 7348 | 1276 |
| 55° | 107619 | 12718 | 764 |
| 60° | 199828 | 20169 | 547 |
| 65° | 256392 | 21789 | 517 |
| 70° | 193597 | 9010 | 585 |
| 75° | 80603 | 3452 | 703 |
| 80° | 73616 | 3254 | 942 |
| 85° | 6484 | 2927 | 1680 |



TEST NUMBER: P151837

CATALOG NUMBER: TLM-F06-LED-E1-SL4-HSS-7060

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 80.3 | 0.8 |
| 10°-20° | 276.8 | 2.7 |
| 20°-30° | 529.7 | 5.1 |
| 30°-40° | 880.9 | 8.5 |
| 40°-50° | 1192.1 | 11.5 |
| 50°-60° | 1864.3 | 18.0 |
| 60°-70° | 3832.8 | 37.1 |
| 70°-80° | 1542.3 | 14.9 |
| 80°-90° | 142.7 | 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° | 886.8 | 8.6 |
| 0°-40° | 1767.7 | 17.1 |
| 0°-60° | 4824.0 | 46.6 |
| 0°-90° | 10341.8 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 10341.8 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-------|-------|-----|------|------|------|
| 0° | 781 | 781 | 781 | 781 | 781 | |
| 5° | 1330 | 1132 | 768 | 488 | 408 | 143 |
| 15° | 2233 | 1770 | 654 | 242 | 230 | 638 |
| 25° | 3026 | 2131 | 547 | 193 | 173 | 1417 |
| 35° | 4171 | 2751 | 479 | 137 | 112 | 2616 |
| 45° | 4842 | 3012 | 439 | 90 | 92 | 3701 |
| 55° | 5735 | 3202 | 678 | 59 | 41 | 5782 |
| 65° | 10067 | 10734 | 856 | 29 | 20 | 9222 |
| 75° | 1938 | 5652 | 83 | 12 | 17 | 2598 |
| 85° | 52 | 227 | 24 | 8 | 14 | 325 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P151837

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 |
| 2.5° | 1041.9 | 1030.0 | 1016.5 | 1016.5 | 999.5 | 999.5 | 989.4 | 962.3 | 958.9 | 943.6 | 928.4 |
| 5° | 1329.9 | 1319.7 | 1302.8 | 1287.6 | 1274.0 | 1250.3 | 1233.3 | 1201.2 | 1165.6 | 1131.7 | 1101.2 |
| 7.5° | 1611.1 | 1606.1 | 1575.6 | 1570.5 | 1548.5 | 1509.5 | 1475.6 | 1428.2 | 1367.2 | 1319.7 | 1263.8 |
| 10° | 1872.0 | 1860.2 | 1853.4 | 1824.6 | 1792.4 | 1750.1 | 1697.5 | 1639.9 | 1568.8 | 1494.2 | 1414.6 |
| 12.5° | 2078.7 | 2071.9 | 2041.5 | 2029.6 | 1995.7 | 1953.4 | 1887.3 | 1812.7 | 1741.6 | 1645.0 | 1551.8 |
| 15° | 2232.9 | 2221.0 | 2200.7 | 2182.1 | 2141.4 | 2104.1 | 2043.1 | 1961.8 | 1875.4 | 1770.4 | 1658.6 |
| 17.5° | 2361.6 | 2339.6 | 2334.5 | 2305.7 | 2263.4 | 2219.3 | 2151.6 | 2077.0 | 1975.4 | 1870.3 | 1748.4 |
| 20° | 2534.5 | 2504.0 | 2493.8 | 2451.4 | 2402.3 | 2341.3 | 2263.4 | 2170.2 | 2063.5 | 1948.3 | 1822.9 |
| 22.5° | 2737.7 | 2715.7 | 2693.7 | 2656.4 | 2593.7 | 2507.3 | 2393.8 | 2292.2 | 2156.7 | 2029.6 | 1894.1 |
| 25° | 3025.8 | 3007.1 | 2971.5 | 2920.7 | 2842.8 | 2739.4 | 2602.2 | 2453.1 | 2293.9 | 2131.2 | 1972.0 |
| 27.5° | 3305.3 | 3288.3 | 3262.9 | 3224.0 | 3135.9 | 3022.4 | 2853.0 | 2663.2 | 2461.6 | 2265.1 | 2088.9 |
| 30° | 3567.9 | 3552.6 | 3527.2 | 3488.3 | 3410.3 | 3298.5 | 3107.1 | 2903.8 | 2653.0 | 2424.3 | 2212.6 |
| 32.5° | 3850.8 | 3845.7 | 3816.9 | 3761.0 | 3693.2 | 3542.5 | 3334.1 | 3115.5 | 2861.4 | 2597.1 | 2349.8 |
| 35° | 4171.0 | 4132.0 | 4104.9 | 4049.0 | 3933.8 | 3772.9 | 3528.9 | 3290.0 | 3022.4 | 2751.3 | 2475.2 |
| 37.5° | 4442.1 | 4404.8 | 4370.9 | 4299.8 | 4159.1 | 3954.1 | 3678.0 | 3415.4 | 3139.3 | 2863.1 | 2581.9 |
| 40° | 4640.3 | 4621.6 | 4581.0 | 4487.8 | 4330.3 | 4086.3 | 3788.1 | 3501.8 | 3224.0 | 2946.1 | 2668.3 |
| 42.5° | 4787.7 | 4758.9 | 4713.1 | 4616.6 | 4430.2 | 4152.4 | 3832.2 | 3537.4 | 3262.9 | 2997.0 | 2724.2 |
| 45° | 4841.9 | 4818.2 | 4775.8 | 4670.8 | 4469.2 | 4171.0 | 3830.5 | 3527.2 | 3264.6 | 3012.2 | 2761.5 |
| 47.5° | 4809.7 | 4786.0 | 4748.7 | 4650.4 | 4452.2 | 4149.0 | 3800.0 | 3498.4 | 3247.7 | 3017.3 | 2795.3 |
| 50° | 4703.0 | 4689.4 | 4660.6 | 4577.6 | 4399.7 | 4106.6 | 3772.9 | 3483.2 | 3244.3 | 3042.7 | 2842.8 |
| 52.5° | 4692.8 | 4684.3 | 4648.8 | 4565.7 | 4384.5 | 4093.1 | 3769.5 | 3491.6 | 3273.1 | 3074.9 | 2876.7 |
| 55° | 5734.7 | 5614.4 | 5345.0 | 5116.3 | 4740.2 | 4293.0 | 3940.6 | 3628.9 | 3395.1 | 3201.9 | 3063.0 |
| 57.5° | 8150.6 | 7971.0 | 7616.9 | 7181.5 | 6317.5 | 5468.7 | 4789.4 | 4298.1 | 4055.8 | 3967.7 | 4020.2 |
| 60° | 9282.3 | 9250.1 | 9194.2 | 8987.5 | 8545.3 | 7815.1 | 7001.9 | 6122.7 | 5770.3 | 5739.8 | 5846.5 |
| 62.5° | 9819.3 | 9799.0 | 9815.9 | 9790.5 | 9653.3 | 9439.8 | 9206.0 | 8826.5 | 8477.5 | 8252.2 | 7774.5 |
| 65° | 10066.6 | 10080.2 | 10176.8 | 10253.0 | 10269.9 | 10325.9 | 10497.0 | 10969.6 | 11315.2 | 10734.1 | 9407.6 |
| 67.5° | 9438.1 | 9517.7 | 9739.7 | 10017.5 | 10342.8 | 10657.9 | 11166.2 | 12162.3 | 12872.2 | 12189.4 | 10305.5 |
| 69° | 7813.4 | 7852.4 | 8394.5 | 8918.0 | 9712.6 | 10268.3 | 11005.2 | 12311.4 | 13109.3 | 12338.5 | 10234.4 |
| 70° | 6151.5 | 6187.0 | 6768.1 | 7479.7 | 8823.1 | 9538.1 | 10502.0 | 12059.0 | 12887.4 | 12140.3 | 9868.4 |
| 72.5° | 2775.0 | 2724.2 | 2929.2 | 3310.4 | 4770.7 | 5905.8 | 7591.5 | 9770.2 | 10632.5 | 9726.1 | 7383.1 |
| 75° | 1938.1 | 1916.1 | 1938.1 | 1939.8 | 2166.8 | 2795.3 | 3527.2 | 5295.9 | 6549.6 | 5651.7 | 3527.2 |
| 77.5° | 1501.0 | 1485.8 | 1470.5 | 1453.6 | 1480.7 | 1658.6 | 1729.7 | 1878.8 | 2439.6 | 2307.4 | 1345.2 |
| 80° | 1187.6 | 1174.0 | 1211.3 | 1199.5 | 1199.5 | 1219.8 | 1206.2 | 1150.3 | 1045.3 | 969.1 | 867.4 |
| 82.5° | 552.3 | 555.7 | 555.7 | 603.1 | 726.8 | 848.8 | 887.7 | 831.8 | 738.6 | 628.5 | 506.6 |
| 85° | 52.5 | 59.3 | 100.0 | 154.2 | 306.6 | 345.6 | 347.3 | 288.0 | 288.0 | 227.0 | 183.0 |
| 87.5° | 0.0 | 1.7 | 1.7 | 1.7 | 15.2 | 42.4 | 35.6 | 10.2 | 5.1 | 5.1 | 8.5 |
| 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: P151837

CATALOG NUMBER: TLM-F06-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 |
| 2.5° | 901.3 | 896.2 | 875.9 | 855.5 | 836.9 | 816.6 | 797.9 | 779.3 | 759.0 | 743.7 | 725.1 |
| 5° | 1053.8 | 1016.5 | 974.1 | 933.5 | 892.8 | 850.5 | 806.4 | 767.5 | 726.8 | 689.5 | 653.9 |
| 7.5° | 1207.9 | 1135.1 | 1077.5 | 1004.6 | 938.6 | 872.5 | 811.5 | 748.8 | 691.2 | 637.0 | 586.2 |
| 10° | 1338.4 | 1250.3 | 1160.5 | 1067.3 | 972.4 | 884.3 | 799.6 | 725.1 | 648.9 | 582.8 | 520.1 |
| 12.5° | 1445.1 | 1333.3 | 1223.2 | 1106.3 | 999.5 | 887.7 | 782.7 | 692.9 | 603.1 | 528.6 | 464.2 |
| 15° | 1541.7 | 1412.9 | 1280.8 | 1145.2 | 1009.7 | 882.7 | 765.8 | 653.9 | 562.5 | 477.8 | 404.9 |
| 17.5° | 1619.6 | 1472.2 | 1323.1 | 1170.7 | 1025.0 | 875.9 | 743.7 | 626.8 | 520.1 | 432.0 | 360.9 |
| 20° | 1687.4 | 1533.2 | 1372.3 | 1201.2 | 1035.1 | 874.2 | 725.1 | 593.0 | 482.8 | 389.7 | 320.2 |
| 22.5° | 1750.1 | 1595.9 | 1423.1 | 1240.1 | 1050.4 | 872.5 | 708.2 | 567.5 | 450.6 | 357.5 | 288.0 |
| 25° | 1821.2 | 1658.6 | 1477.3 | 1280.8 | 1077.5 | 879.3 | 698.0 | 547.2 | 421.8 | 327.0 | 262.6 |
| 27.5° | 1900.8 | 1729.7 | 1541.7 | 1331.6 | 1113.1 | 892.8 | 694.6 | 525.2 | 396.4 | 298.2 | 242.3 |
| 30° | 2012.7 | 1814.4 | 1606.1 | 1382.4 | 1145.2 | 908.1 | 691.2 | 511.6 | 371.0 | 276.1 | 221.9 |
| 32.5° | 2110.9 | 1897.4 | 1677.2 | 1434.9 | 1180.8 | 923.3 | 689.5 | 493.0 | 347.3 | 254.1 | 206.7 |
| 35° | 2214.3 | 1973.7 | 1738.2 | 1485.8 | 1211.3 | 940.3 | 687.8 | 479.4 | 325.3 | 232.1 | 191.4 |
| 37.5° | 2304.0 | 2038.1 | 1785.6 | 1529.8 | 1245.2 | 955.5 | 689.5 | 467.6 | 304.9 | 213.5 | 177.9 |
| 40° | 2380.3 | 2104.1 | 1838.2 | 1570.5 | 1280.8 | 979.2 | 691.2 | 455.7 | 284.6 | 196.5 | 166.0 |
| 42.5° | 2448.0 | 2166.8 | 1894.1 | 1616.2 | 1321.4 | 1006.3 | 701.4 | 445.6 | 267.7 | 181.3 | 154.2 |
| 45° | 2500.6 | 2224.4 | 1955.1 | 1680.6 | 1387.5 | 1050.4 | 720.0 | 438.8 | 250.7 | 167.7 | 144.0 |
| 47.5° | 2554.8 | 2309.1 | 2058.4 | 1782.2 | 1484.1 | 1119.8 | 752.2 | 437.1 | 237.2 | 157.6 | 135.5 |
| 50° | 2629.3 | 2393.8 | 2149.9 | 1885.6 | 1572.2 | 1191.0 | 791.2 | 438.8 | 220.2 | 147.4 | 127.1 |
| 52.5° | 2683.5 | 2480.2 | 2268.5 | 2065.2 | 1782.2 | 1407.8 | 941.9 | 469.3 | 211.8 | 138.9 | 116.9 |
| 55° | 3003.7 | 2968.2 | 2973.2 | 3007.1 | 2788.6 | 2395.5 | 1575.6 | 677.7 | 249.0 | 157.6 | 115.2 |
| 57.5° | 4235.4 | 4360.7 | 4433.6 | 4431.9 | 4071.0 | 3376.4 | 2116.0 | 870.8 | 277.8 | 183.0 | 137.2 |
| 60° | 5855.0 | 5760.1 | 5626.3 | 5295.9 | 4816.5 | 3854.2 | 2366.7 | 936.9 | 240.6 | 145.7 | 125.4 |
| 62.5° | 7286.5 | 6730.9 | 6237.9 | 5702.5 | 5074.0 | 4020.2 | 2417.6 | 931.8 | 210.1 | 110.1 | 88.1 |
| 65° | 8179.4 | 7179.8 | 6383.6 | 5712.7 | 4972.3 | 3881.3 | 2287.1 | 855.5 | 177.9 | 89.8 | 72.8 |
| 67.5° | 8392.8 | 6937.5 | 5810.9 | 4955.4 | 4154.1 | 3020.7 | 1678.9 | 643.8 | 138.9 | 74.5 | 64.4 |
| 69° | 7926.9 | 6166.7 | 4814.8 | 3844.0 | 3022.4 | 2004.2 | 1038.5 | 406.6 | 106.7 | 67.8 | 59.3 |
| 70° | 7291.6 | 5363.7 | 3922.0 | 3085.0 | 2238.0 | 1407.8 | 726.8 | 286.3 | 86.4 | 62.7 | 54.2 |
| 72.5° | 4691.1 | 2817.4 | 1927.9 | 1341.8 | 923.3 | 560.8 | 284.6 | 128.8 | 66.1 | 52.5 | 44.0 |
| 75° | 1819.5 | 1041.9 | 755.6 | 574.3 | 449.0 | 311.7 | 172.8 | 83.0 | 55.9 | 44.0 | 33.9 |
| 77.5° | 896.2 | 686.1 | 560.8 | 384.6 | 223.6 | 138.9 | 93.2 | 64.4 | 45.7 | 32.2 | 22.0 |
| 80° | 708.2 | 471.0 | 281.2 | 174.5 | 132.1 | 100.0 | 71.2 | 52.5 | 33.9 | 20.3 | 15.2 |
| 82.5° | 362.5 | 198.2 | 145.7 | 118.6 | 98.3 | 77.9 | 57.6 | 37.3 | 22.0 | 13.6 | 11.9 |
| 85° | 113.5 | 83.0 | 74.5 | 72.8 | 67.8 | 55.9 | 40.7 | 23.7 | 13.6 | 8.5 | 8.5 |
| 87.5° | 8.5 | 11.9 | 15.2 | 11.9 | 13.6 | 11.9 | 15.2 | 10.2 | 6.8 | 6.8 | 5.1 |
| 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: P151837

CATALOG NUMBER: TLM-F06-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 | 781.0 |
| 2.5° | 711.5 | 691.2 | 672.6 | 660.7 | 638.7 | 630.2 | 621.8 | 618.4 | 603.1 | 606.5 | 593.0 |
| 5° | 621.8 | 586.2 | 559.1 | 532.0 | 506.6 | 487.9 | 472.7 | 454.0 | 438.8 | 432.0 | 418.5 |
| 7.5° | 540.4 | 494.7 | 459.1 | 430.3 | 399.8 | 376.1 | 355.8 | 342.2 | 328.7 | 315.1 | 308.3 |
| 10° | 469.3 | 420.1 | 379.5 | 350.7 | 321.9 | 301.6 | 286.3 | 276.1 | 267.7 | 262.6 | 260.9 |
| 12.5° | 403.2 | 355.8 | 318.5 | 293.1 | 271.1 | 260.9 | 254.1 | 249.0 | 247.3 | 245.7 | 245.7 |
| 15° | 352.4 | 304.9 | 276.1 | 257.5 | 247.3 | 242.3 | 240.6 | 237.2 | 233.8 | 232.1 | 232.1 |
| 17.5° | 304.9 | 269.4 | 249.0 | 238.9 | 233.8 | 230.4 | 227.0 | 223.6 | 220.2 | 218.5 | 218.5 |
| 20° | 272.8 | 244.0 | 233.8 | 227.0 | 221.9 | 218.5 | 213.5 | 210.1 | 208.4 | 206.7 | 205.0 |
| 22.5° | 247.3 | 228.7 | 221.9 | 216.9 | 210.1 | 205.0 | 201.6 | 198.2 | 194.8 | 193.1 | 191.4 |
| 25° | 228.7 | 216.9 | 211.8 | 205.0 | 198.2 | 193.1 | 188.1 | 183.0 | 179.6 | 177.9 | 174.5 |
| 27.5° | 215.2 | 206.7 | 199.9 | 191.4 | 184.7 | 179.6 | 174.5 | 169.4 | 166.0 | 162.6 | 160.9 |
| 30° | 203.3 | 194.8 | 186.4 | 179.6 | 171.1 | 166.0 | 159.3 | 154.2 | 152.5 | 149.1 | 145.7 |
| 32.5° | 191.4 | 183.0 | 174.5 | 166.0 | 157.6 | 150.8 | 147.4 | 140.6 | 137.2 | 135.5 | 132.1 |
| 35° | 177.9 | 169.4 | 159.3 | 152.5 | 144.0 | 137.2 | 132.1 | 127.1 | 123.7 | 120.3 | 118.6 |
| 37.5° | 166.0 | 155.9 | 145.7 | 137.2 | 130.4 | 123.7 | 118.6 | 113.5 | 110.1 | 106.7 | 105.0 |
| 40° | 152.5 | 142.3 | 132.1 | 123.7 | 116.9 | 111.8 | 106.7 | 101.6 | 98.3 | 96.6 | 96.6 |
| 42.5° | 140.6 | 128.8 | 118.6 | 111.8 | 106.7 | 100.0 | 94.9 | 89.8 | 88.1 | 86.4 | 88.1 |
| 45° | 128.8 | 116.9 | 108.4 | 101.6 | 96.6 | 89.8 | 84.7 | 81.3 | 79.6 | 81.3 | 83.0 |
| 47.5° | 118.6 | 106.7 | 98.3 | 93.2 | 88.1 | 83.0 | 77.9 | 74.5 | 74.5 | 77.9 | 81.3 |
| 50° | 108.4 | 96.6 | 89.8 | 86.4 | 81.3 | 76.2 | 69.5 | 67.8 | 69.5 | 72.8 | 76.2 |
| 52.5° | 98.3 | 84.7 | 79.6 | 77.9 | 72.8 | 67.8 | 62.7 | 61.0 | 62.7 | 66.1 | 64.4 |
| 55° | 88.1 | 74.5 | 72.8 | 71.2 | 66.1 | 59.3 | 54.2 | 54.2 | 54.2 | 52.5 | 49.1 |
| 57.5° | 84.7 | 66.1 | 64.4 | 62.7 | 57.6 | 50.8 | 47.4 | 44.0 | 42.4 | 37.3 | 35.6 |
| 60° | 88.1 | 59.3 | 59.3 | 55.9 | 50.8 | 44.0 | 39.0 | 33.9 | 30.5 | 27.1 | 27.1 |
| 62.5° | 71.2 | 54.2 | 52.5 | 49.1 | 42.4 | 35.6 | 30.5 | 25.4 | 23.7 | 22.0 | 22.0 |
| 65° | 57.6 | 49.1 | 45.7 | 40.7 | 35.6 | 28.8 | 23.7 | 20.3 | 18.6 | 18.6 | 20.3 |
| 67.5° | 52.5 | 44.0 | 39.0 | 33.9 | 28.8 | 22.0 | 18.6 | 16.9 | 16.9 | 18.6 | 18.6 |
| 69° | 49.1 | 40.7 | 35.6 | 30.5 | 25.4 | 20.3 | 16.9 | 16.9 | 16.9 | 16.9 | 18.6 |
| 70° | 45.7 | 39.0 | 33.9 | 28.8 | 22.0 | 16.9 | 15.2 | 15.2 | 16.9 | 16.9 | 18.6 |
| 72.5° | 35.6 | 30.5 | 28.8 | 23.7 | 16.9 | 15.2 | 13.6 | 15.2 | 15.2 | 16.9 | 16.9 |
| 75° | 27.1 | 22.0 | 22.0 | 18.6 | 13.6 | 11.9 | 11.9 | 13.6 | 13.6 | 15.2 | 15.2 |
| 77.5° | 18.6 | 15.2 | 15.2 | 13.6 | 11.9 | 10.2 | 10.2 | 11.9 | 13.6 | 13.6 | 15.2 |
| 80° | 13.6 | 11.9 | 10.2 | 11.9 | 10.2 | 8.5 | 10.2 | 11.9 | 11.9 | 13.6 | 13.6 |
| 82.5° | 10.2 | 10.2 | 10.2 | 10.2 | 8.5 | 8.5 | 10.2 | 10.2 | 11.9 | 13.6 | 13.6 |
| 85° | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 8.5 | 10.2 | 10.2 | 11.9 | 11.9 |
| 87.5° | 5.1 | 5.1 | 5.1 | 6.8 | 6.8 | 8.5 | 8.5 | 8.5 | 8.5 | 10.2 | 10.2 |
| 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: P151837

CATALOG NUMBER: TLM-F06-LED-E1-SL4-HSS-7060

CANDELA DISTRIBUTION (continued):

| | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|
| 0° | 781.0 | 781.0 | 781.0 | 781.0 |
| 2.5° | 589.6 | 587.9 | 581.1 | 582.8 |
| 5° | 413.4 | 403.2 | 410.0 | 408.3 |
| 7.5° | 303.3 | 301.6 | 299.9 | 303.3 |
| 10° | 259.2 | 259.2 | 257.5 | 259.2 |
| 12.5° | 244.0 | 244.0 | 244.0 | 244.0 |
| 15° | 232.1 | 232.1 | 230.4 | 230.4 |
| 17.5° | 218.5 | 218.5 | 218.5 | 216.9 |
| 20° | 205.0 | 203.3 | 203.3 | 203.3 |
| 22.5° | 189.7 | 188.1 | 188.1 | 188.1 |
| 25° | 174.5 | 172.8 | 172.8 | 172.8 |
| 27.5° | 159.3 | 157.6 | 155.9 | 155.9 |
| 30° | 144.0 | 142.3 | 140.6 | 140.6 |
| 32.5° | 128.8 | 127.1 | 125.4 | 125.4 |
| 35° | 115.2 | 115.2 | 113.5 | 111.8 |
| 37.5° | 103.3 | 103.3 | 103.3 | 103.3 |
| 40° | 94.9 | 96.6 | 96.6 | 96.6 |
| 42.5° | 89.8 | 91.5 | 93.2 | 94.9 |
| 45° | 86.4 | 89.8 | 91.5 | 91.5 |
| 47.5° | 84.7 | 86.4 | 88.1 | 88.1 |
| 50° | 77.9 | 76.2 | 76.2 | 76.2 |
| 52.5° | 62.7 | 59.3 | 57.6 | 55.9 |
| 55° | 45.7 | 44.0 | 40.7 | 40.7 |
| 57.5° | 32.2 | 32.2 | 30.5 | 30.5 |
| 60° | 25.4 | 25.4 | 23.7 | 25.4 |
| 62.5° | 22.0 | 22.0 | 22.0 | 22.0 |
| 65° | 20.3 | 20.3 | 20.3 | 20.3 |
| 67.5° | 20.3 | 20.3 | 20.3 | 20.3 |
| 69° | 18.6 | 18.6 | 18.6 | 18.6 |
| 70° | 18.6 | 18.6 | 18.6 | 18.6 |
| 72.5° | 16.9 | 16.9 | 16.9 | 16.9 |
| 75° | 15.2 | 16.9 | 16.9 | 16.9 |
| 77.5° | 15.2 | 15.2 | 15.2 | 15.2 |
| 80° | 13.6 | 13.6 | 15.2 | 15.2 |
| 82.5° | 13.6 | 13.6 | 13.6 | 13.6 |
| 85° | 11.9 | 11.9 | 13.6 | 13.6 |
| 87.5° | 10.2 | 10.2 | 11.9 | 11.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)