

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: P151265

Luminaire Tested: **TLM-F06-LED-E1-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-41-14  
Report Number: P151265  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33679)  
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-SL3  
Description: TALON MEDIUM LED SITE LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (42) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

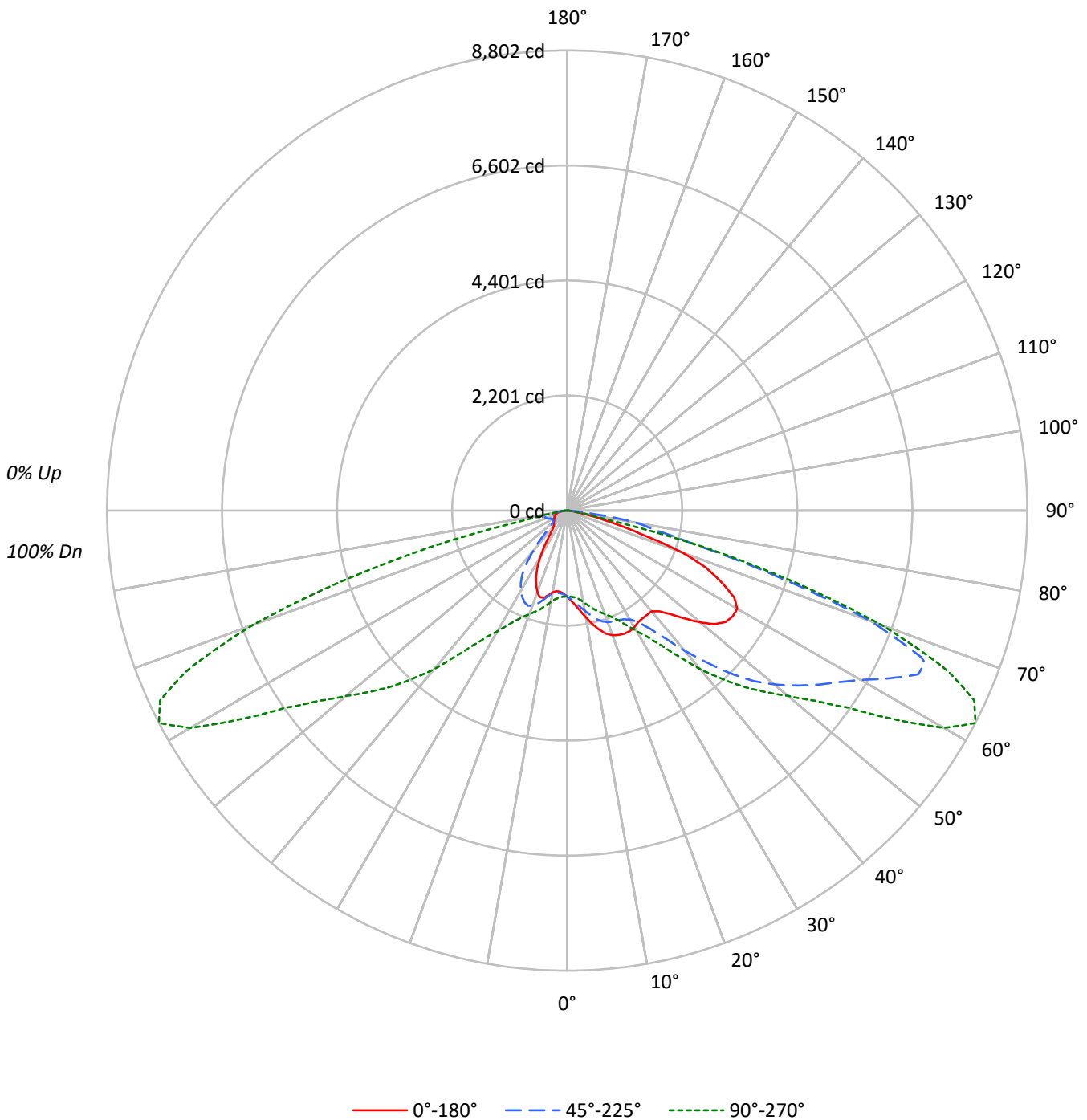
Lumens per Lamp: N/A  
Luminaire Lumens: 15038.6 lumens  
Efficiency: N/A  
Efficacy: 96.1 lumens/watt  
Spacing Criteria (0/90/45): 1.44 / 3.92 / 2.51  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
CIE Type: Direct

Input Watts (W): 156.5  
Input Voltage (V): NR  
Input Current (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-F06-LED-E1-SL3

### 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  | 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   | 106 | 100 | 94  | 89  | 103 | 97  | 92  | 88  | 93  | 89  | 85  | 89  | 85  | 82  | 85  | 82  | 80  | 77  |    |    |    |   |
| 2   | 93  | 82  | 74  | 66  | 90  | 80  | 72  | 65  | 77  | 70  | 64  | 73  | 67  | 62  | 70  | 65  | 61  | 58  |    |    |    |   |
| 3   | 82  | 69  | 59  | 50  | 79  | 67  | 58  | 50  | 64  | 56  | 49  | 61  | 54  | 48  | 58  | 52  | 47  | 44  |    |    |    |   |
| 4   | 73  | 59  | 48  | 39  | 71  | 57  | 47  | 39  | 54  | 46  | 38  | 52  | 44  | 38  | 49  | 43  | 37  | 35  |    |    |    |   |
| 5   | 66  | 51  | 40  | 32  | 64  | 49  | 39  | 31  | 47  | 38  | 31  | 45  | 37  | 31  | 43  | 36  | 30  | 28  |    |    |    |   |
| 6   | 60  | 44  | 34  | 26  | 58  | 43  | 33  | 26  | 41  | 32  | 26  | 39  | 31  | 25  | 38  | 31  | 25  | 23  |    |    |    |   |
| 7   | 55  | 39  | 29  | 22  | 53  | 38  | 29  | 22  | 37  | 28  | 22  | 35  | 27  | 21  | 34  | 27  | 21  | 19  |    |    |    |   |
| 8   | 51  | 35  | 25  | 19  | 49  | 35  | 25  | 19  | 33  | 25  | 18  | 32  | 24  | 18  | 30  | 23  | 18  | 16  |    |    |    |   |
| 9   | 47  | 32  | 23  | 16  | 46  | 31  | 22  | 16  | 30  | 22  | 16  | 29  | 21  | 16  | 28  | 21  | 16  | 14  |    |    |    |   |
| 10  | 44  | 29  | 20  | 14  | 43  | 29  | 20  | 14  | 28  | 20  | 14  | 27  | 19  | 14  | 26  | 19  | 14  | 12  |    |    |    |   |

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

|     | 0°    | 90°    | 180°  |
|-----|-------|--------|-------|
| 0°  | 17683 | 17683  | 17683 |
| 5°  | 19641 | 18018  | 16841 |
| 10° | 22702 | 19345  | 17360 |
| 15° | 26254 | 21692  | 19263 |
| 20° | 29049 | 24151  | 19064 |
| 25° | 30826 | 27531  | 16707 |
| 30° | 31992 | 33059  | 12744 |
| 35° | 33064 | 41417  | 7767  |
| 40° | 35309 | 55632  | 5661  |
| 45° | 42650 | 72509  | 5454  |
| 50° | 55711 | 92344  | 5503  |
| 55° | 69591 | 123409 | 5701  |
| 60° | 80861 | 178926 | 6077  |
| 65° | 83179 | 218878 | 6770  |
| 70° | 74043 | 201453 | 7484  |
| 75° | 35567 | 113845 | 8721  |
| 80° | 12280 | 15763  | 8901  |
| 85° | 5508  | 9794   | 8966  |



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**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 163.6   | 1.1       |
| 10°-20°   | 560.8   | 3.7       |
| 20°-30°   | 990.3   | 6.6       |
| 30°-40°   | 1421.4  | 9.5       |
| 40°-50°   | 2158.8  | 14.4      |
| 50°-60°   | 3178.5  | 21.1      |
| 60°-70°   | 4224.1  | 28.1      |
| 70°-80°   | 2066.6  | 13.7      |
| 80°-90°   | 274.4   | 1.8       |
| 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°    | 1714.7  | 11.4      |
| 0°-40°    | 3136.1  | 20.9      |
| 0°-60°    | 8473.5  | 56.3      |
| 0°-90°    | 15038.6 | 100.0     |
| 90°-120°  | 0.0     | 0.0       |
| 90°-150°  | 0.0     | 0.0       |
| 90°-180°  | 0.0     | 0.0       |
| 0°-180°   | 15038.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°   | 45°  | 90°  | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0°  | 1643 | 1643 | 1643 | 1643 | 1643 |      |
| 5°  | 1818 | 1767 | 1668 | 1585 | 1559 | 181  |
| 15° | 2356 | 2145 | 1947 | 1763 | 1729 | 670  |
| 25° | 2596 | 2313 | 2318 | 1933 | 1407 | 1195 |
| 35° | 2516 | 2749 | 3152 | 1491 | 591  | 1586 |
| 45° | 2802 | 4393 | 4763 | 537  | 358  | 2214 |
| 55° | 3708 | 5812 | 6576 | 325  | 304  | 3272 |
| 65° | 3266 | 7412 | 8594 | 363  | 266  | 3171 |
| 75° | 855  | 2549 | 2737 | 421  | 210  | 1065 |
| 85° | 45   | 140  | 79   | 101  | 73   | 66   |
| 90° | 0    | 0    | 0    | 0    | 0    |      |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 60°     | 61°     | 62°     | 64°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  |
| 2.5°  | 1720.4 | 1722.0 | 1718.7 | 1717.1 | 1707.2 | 1697.3 | 1690.7  | 1682.4  | 1682.4  | 1682.4  | 1679.1  |
| 5°    | 1817.8 | 1811.2 | 1816.2 | 1804.6 | 1784.8 | 1766.6 | 1748.5  | 1733.6  | 1730.3  | 1730.3  | 1723.7  |
| 7.5°  | 1935.0 | 1926.8 | 1923.5 | 1907.0 | 1877.2 | 1850.8 | 1814.5  | 1799.6  | 1791.4  | 1788.1  | 1784.8  |
| 10°   | 2077.0 | 2077.0 | 2055.6 | 2027.5 | 1987.9 | 1941.6 | 1902.0  | 1875.6  | 1873.9  | 1873.9  | 1859.1  |
| 12.5° | 2222.3 | 2225.6 | 2197.5 | 2169.5 | 2105.1 | 2044.0 | 1997.8  | 1968.1  | 1966.4  | 1959.8  | 1951.5  |
| 15°   | 2356.0 | 2347.8 | 2329.6 | 2288.4 | 2217.4 | 2144.7 | 2086.9  | 2057.2  | 2050.6  | 2044.0  | 2039.0  |
| 17.5° | 2466.7 | 2458.4 | 2435.3 | 2382.5 | 2308.2 | 2222.3 | 2151.3  | 2119.9  | 2116.6  | 2113.3  | 2106.7  |
| 20°   | 2536.0 | 2529.4 | 2496.4 | 2435.3 | 2357.7 | 2270.2 | 2194.2  | 2172.8  | 2166.2  | 2166.2  | 2162.9  |
| 22.5° | 2575.6 | 2565.7 | 2517.9 | 2436.9 | 2361.0 | 2296.6 | 2233.9  | 2220.7  | 2215.7  | 2217.4  | 2217.4  |
| 25°   | 2595.5 | 2587.2 | 2519.5 | 2403.9 | 2331.3 | 2313.1 | 2286.7  | 2278.4  | 2280.1  | 2281.8  | 2285.1  |
| 27.5° | 2598.8 | 2587.2 | 2507.9 | 2361.0 | 2293.3 | 2344.5 | 2362.7  | 2375.9  | 2375.9  | 2382.5  | 2394.0  |
| 30°   | 2574.0 | 2560.8 | 2484.8 | 2328.0 | 2276.8 | 2407.2 | 2479.9  | 2514.5  | 2527.8  | 2524.5  | 2550.9  |
| 32.5° | 2531.1 | 2522.8 | 2461.7 | 2328.0 | 2323.0 | 2531.1 | 2659.8  | 2709.4  | 2716.0  | 2719.3  | 2749.0  |
| 35°   | 2516.2 | 2514.5 | 2488.1 | 2407.2 | 2466.7 | 2749.0 | 2945.5  | 2983.4  | 2991.7  | 2991.7  | 3013.2  |
| 37.5° | 2512.9 | 2521.2 | 2550.9 | 2555.8 | 2719.3 | 3072.6 | 3330.2  | 3388.0  | 3388.0  | 3404.5  | 3404.5  |
| 40°   | 2512.9 | 2531.1 | 2643.3 | 2777.1 | 3028.0 | 3493.6 | 3850.2  | 3916.3  | 3916.3  | 3934.5  | 3924.5  |
| 42.5° | 2610.3 | 2636.7 | 2821.6 | 3075.9 | 3417.7 | 3927.8 | 4337.3  | 4411.6  | 4416.6  | 4411.6  | 4426.5  |
| 45°   | 2801.8 | 2824.9 | 3049.5 | 3414.4 | 3818.9 | 4393.4 | 4802.9  | 4892.1  | 4873.9  | 4885.5  | 4890.4  |
| 47.5° | 3056.1 | 3092.4 | 3348.3 | 3784.2 | 4210.2 | 4824.4 | 5324.6  | 5405.5  | 5398.9  | 5403.9  | 5382.4  |
| 50°   | 3326.9 | 3364.8 | 3650.5 | 4150.7 | 4599.8 | 5171.1 | 5744.0  | 5864.5  | 5853.0  | 5861.2  | 5872.8  |
| 52.5° | 3566.3 | 3589.4 | 3865.1 | 4426.5 | 4895.4 | 5494.7 | 6066.0  | 6216.2  | 6242.6  | 6245.9  | 6254.2  |
| 55°   | 3708.3 | 3736.3 | 3988.9 | 4563.5 | 5110.0 | 5811.7 | 6434.1  | 6662.0  | 6713.2  | 6726.4  | 6762.7  |
| 57.5° | 3757.8 | 3787.5 | 4017.0 | 4583.3 | 5227.2 | 6108.9 | 6947.6  | 7348.8  | 7391.8  | 7462.7  | 7578.3  |
| 60°   | 3756.1 | 3787.5 | 3987.3 | 4538.7 | 5346.1 | 6477.1 | 7746.7  | 8418.7  | 8636.6  | 8709.3  | 8874.4  |
| 62.5° | 3602.6 | 3638.9 | 3842.0 | 4403.3 | 5498.0 | 6947.6 | 8935.5  | 9969.0  | 10249.7 | 10381.8 | 10560.1 |
| 65°   | 3265.8 | 3292.2 | 3482.1 | 4059.9 | 5455.1 | 7411.6 | 9929.4  | 11218.9 | 11474.8 | 11668.0 | 11986.6 |
| 67°   | 2966.9 | 2983.4 | 3132.0 | 3653.8 | 5035.7 | 7428.1 | 10243.1 | 11529.3 | 11752.2 | 11956.9 | 12285.5 |
| 67.5° | 2891.0 | 2925.7 | 3041.2 | 3529.9 | 4878.9 | 7334.0 | 10221.6 | 11481.4 | 11709.2 | 11922.2 | 12269.0 |
| 70°   | 2352.7 | 2402.3 | 2460.1 | 2788.6 | 3835.4 | 6170.0 | 9463.8  | 10652.6 | 10852.4 | 11050.5 | 11534.2 |
| 72.5° | 1451.3 | 1540.4 | 1552.0 | 1760.0 | 2496.4 | 4264.7 | 7657.6  | 8983.4  | 9133.6  | 9275.6  | 9770.9  |
| 75°   | 855.2  | 868.5  | 909.7  | 1078.1 | 1464.5 | 2549.2 | 5138.1  | 6673.5  | 6812.2  | 6881.6  | 7269.6  |
| 77.5° | 477.2  | 490.4  | 525.0  | 670.3  | 1126.0 | 1717.1 | 2991.7  | 3921.2  | 4005.4  | 4093.0  | 4030.2  |
| 80°   | 198.1  | 216.3  | 232.8  | 270.8  | 526.7  | 1355.5 | 2057.2  | 2493.1  | 2547.6  | 2598.8  | 2663.1  |
| 82.5° | 95.8   | 102.4  | 125.5  | 143.6  | 191.5  | 556.4  | 1613.1  | 2161.2  | 2225.6  | 2299.9  | 2450.2  |
| 85°   | 44.6   | 49.5   | 69.3   | 82.6   | 92.5   | 140.3  | 539.9   | 1051.7  | 1140.9  | 1157.4  | 1187.1  |
| 87.5° | 3.3    | 3.3    | 8.3    | 11.6   | 16.5   | 18.2   | 56.1    | 79.3    | 89.2    | 80.9    | 102.4   |
| 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):**

|       | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     | 72°     | 73°     | 74°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  |
| 2.5°  | 1677.5  | 1675.8  | 1672.5  | 1672.5  | 1670.9  | 1670.9  | 1670.9  | 1667.6  | 1667.6  | 1667.6  | 1665.9  |
| 5°    | 1722.0  | 1720.4  | 1715.4  | 1715.4  | 1712.1  | 1712.1  | 1707.2  | 1705.5  | 1702.2  | 1702.2  | 1700.6  |
| 7.5°  | 1779.8  | 1778.2  | 1771.6  | 1771.6  | 1766.6  | 1765.0  | 1761.7  | 1756.7  | 1756.7  | 1753.4  | 1750.1  |
| 10°   | 1859.1  | 1854.1  | 1852.5  | 1844.2  | 1845.9  | 1842.6  | 1839.3  | 1834.3  | 1831.0  | 1827.7  | 1824.4  |
| 12.5° | 1948.2  | 1948.2  | 1940.0  | 1935.0  | 1938.3  | 1935.0  | 1928.4  | 1926.8  | 1921.8  | 1921.8  | 1916.9  |
| 15°   | 2032.4  | 2032.4  | 2029.1  | 2022.5  | 2024.2  | 2019.2  | 2017.6  | 2014.3  | 2007.7  | 2009.3  | 2007.7  |
| 17.5° | 2105.1  | 2105.1  | 2100.1  | 2096.8  | 2096.8  | 2091.9  | 2093.5  | 2090.2  | 2086.9  | 2085.3  | 2080.3  |
| 20°   | 2162.9  | 2162.9  | 2159.6  | 2156.3  | 2157.9  | 2157.9  | 2153.0  | 2153.0  | 2153.0  | 2149.7  | 2149.7  |
| 22.5° | 2219.0  | 2220.7  | 2220.7  | 2220.7  | 2222.3  | 2224.0  | 2222.3  | 2225.6  | 2224.0  | 2227.3  | 2227.3  |
| 25°   | 2293.3  | 2298.3  | 2301.6  | 2301.6  | 2309.8  | 2311.5  | 2313.1  | 2318.1  | 2318.1  | 2323.0  | 2324.7  |
| 27.5° | 2403.9  | 2407.2  | 2420.4  | 2423.7  | 2425.4  | 2438.6  | 2440.3  | 2446.9  | 2453.5  | 2455.1  | 2456.8  |
| 30°   | 2555.8  | 2564.1  | 2574.0  | 2580.6  | 2580.6  | 2597.1  | 2603.7  | 2600.4  | 2618.6  | 2623.5  | 2630.1  |
| 32.5° | 2758.9  | 2765.5  | 2775.4  | 2782.0  | 2788.6  | 2796.9  | 2798.5  | 2806.8  | 2821.6  | 2834.9  | 2826.6  |
| 35°   | 3014.8  | 3031.3  | 3014.8  | 3033.0  | 3037.9  | 3049.5  | 3046.2  | 3056.1  | 3062.7  | 3067.7  | 3066.0  |
| 37.5° | 3386.3  | 3378.0  | 3374.7  | 3368.1  | 3356.6  | 3396.2  | 3376.4  | 3374.7  | 3364.8  | 3392.9  | 3374.7  |
| 40°   | 3875.0  | 3880.0  | 3884.9  | 3858.5  | 3843.6  | 3843.6  | 3838.7  | 3820.5  | 3812.3  | 3837.0  | 3833.7  |
| 42.5° | 4385.2  | 4390.1  | 4367.0  | 4350.5  | 4312.5  | 4307.6  | 4284.5  | 4279.5  | 4271.3  | 4284.5  | 4271.3  |
| 45°   | 4849.1  | 4852.4  | 4801.3  | 4809.5  | 4779.8  | 4784.7  | 4748.4  | 4763.3  | 4743.5  | 4756.7  | 4781.4  |
| 47.5° | 5367.6  | 5374.2  | 5329.6  | 5347.8  | 5318.0  | 5299.9  | 5298.2  | 5308.1  | 5286.7  | 5299.9  | 5306.5  |
| 50°   | 5838.1  | 5829.9  | 5806.7  | 5811.7  | 5798.5  | 5801.8  | 5782.0  | 5800.1  | 5775.4  | 5801.8  | 5798.5  |
| 52.5° | 6255.8  | 6245.9  | 6241.0  | 6257.5  | 6245.9  | 6245.9  | 6234.4  | 6242.6  | 6245.9  | 6285.5  | 6293.8  |
| 55°   | 6762.7  | 6771.0  | 6779.2  | 6808.9  | 6822.1  | 6800.7  | 6822.1  | 6863.4  | 6865.1  | 6959.2  | 7010.4  |
| 57.5° | 7576.7  | 7634.5  | 7664.2  | 7682.3  | 7759.9  | 7751.7  | 7801.2  | 7900.3  | 7910.2  | 8128.1  | 8255.2  |
| 60°   | 8996.6  | 9098.9  | 9196.3  | 9143.5  | 9300.4  | 9348.2  | 9378.0  | 9562.9  | 9620.7  | 9827.0  | 9937.7  |
| 62.5° | 10789.6 | 10801.2 | 10953.1 | 10905.2 | 10994.3 | 10972.9 | 11009.2 | 11093.4 | 11169.4 | 11339.4 | 11443.4 |
| 65°   | 12041.1 | 12095.6 | 12155.0 | 12093.9 | 12092.3 | 12019.6 | 11973.4 | 11971.8 | 12018.0 | 12054.3 | 12169.9 |
| 67°   | 12381.2 | 12435.7 | 12450.6 | 12406.0 | 12341.6 | 12249.1 | 12163.3 | 12118.7 | 12089.0 | 12105.5 | 12178.1 |
| 67.5° | 12377.9 | 12429.1 | 12447.3 | 12404.3 | 12315.2 | 12237.6 | 12146.8 | 12095.6 | 12056.0 | 12064.2 | 12125.3 |
| 70°   | 11674.6 | 11785.2 | 11844.6 | 11857.8 | 11846.3 | 11710.9 | 11633.3 | 11587.1 | 11554.0 | 11473.1 | 11468.2 |
| 72.5° | 9891.4  | 10025.2 | 10071.4 | 10145.7 | 10178.7 | 9978.9  | 9894.7  | 9945.9  | 9830.4  | 9574.4  | 9586.0  |
| 75°   | 7263.0  | 7272.9  | 7117.7  | 7088.0  | 6977.3  | 6524.9  | 6389.6  | 6265.7  | 6067.6  | 5758.9  | 5468.3  |
| 77.5° | 3785.9  | 3784.2  | 3605.9  | 3515.1  | 3383.0  | 3110.6  | 3097.4  | 2876.1  | 2720.9  | 2438.6  | 2336.2  |
| 80°   | 2689.6  | 2732.5  | 2791.9  | 2821.6  | 2775.4  | 2669.7  | 2524.5  | 2367.6  | 2187.6  | 2011.0  | 1799.6  |
| 82.5° | 2501.3  | 2527.8  | 2559.1  | 2443.6  | 2379.2  | 2230.6  | 2119.9  | 1892.1  | 1765.0  | 1563.5  | 1350.6  |
| 85°   | 1216.8  | 1297.7  | 1235.0  | 1162.3  | 1137.6  | 889.9   | 860.2   | 718.2   | 652.2   | 536.6   | 500.3   |
| 87.5° | 77.6    | 95.8    | 85.9    | 77.6    | 67.7    | 38.0    | 51.2    | 36.3    | 38.0    | 28.1    | 24.8    |
| 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: P151265

CATALOG NUMBER: TLM-F06-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

|       | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°     | 83°     | 84°     | 85°     | 86°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  | 1642.8  |
| 2.5°  | 1665.9  | 1664.3  | 1662.6  | 1661.0  | 1659.3  | 1659.3  | 1657.7  | 1656.0  | 1654.4  | 1651.0  | 1651.0  |
| 5°    | 1697.3  | 1697.3  | 1695.6  | 1692.3  | 1692.3  | 1689.0  | 1684.1  | 1682.4  | 1682.4  | 1679.1  | 1675.8  |
| 7.5°  | 1748.5  | 1746.8  | 1743.5  | 1741.9  | 1738.6  | 1735.3  | 1732.0  | 1728.6  | 1727.0  | 1722.0  | 1720.4  |
| 10°   | 1826.1  | 1822.8  | 1814.5  | 1811.2  | 1809.6  | 1806.2  | 1802.9  | 1799.6  | 1794.7  | 1791.4  | 1789.7  |
| 12.5° | 1913.6  | 1911.9  | 1905.3  | 1908.6  | 1900.4  | 1897.1  | 1893.8  | 1885.5  | 1888.8  | 1882.2  | 1878.9  |
| 15°   | 2001.1  | 2002.7  | 1999.4  | 1999.4  | 1992.8  | 1987.9  | 1984.6  | 1978.0  | 1976.3  | 1973.0  | 1969.7  |
| 17.5° | 2078.7  | 2082.0  | 2077.0  | 2073.7  | 2070.4  | 2067.1  | 2060.5  | 2053.9  | 2053.9  | 2047.3  | 2044.0  |
| 20°   | 2149.7  | 2153.0  | 2151.3  | 2148.0  | 2143.1  | 2141.4  | 2138.1  | 2133.2  | 2133.2  | 2129.9  | 2124.9  |
| 22.5° | 2230.6  | 2232.2  | 2232.2  | 2230.6  | 2225.6  | 2227.3  | 2224.0  | 2219.0  | 2220.7  | 2214.1  | 2214.1  |
| 25°   | 2328.0  | 2331.3  | 2334.6  | 2336.2  | 2332.9  | 2334.6  | 2331.3  | 2328.0  | 2326.3  | 2328.0  | 2326.3  |
| 27.5° | 2461.7  | 2465.0  | 2474.9  | 2466.7  | 2474.9  | 2476.6  | 2471.6  | 2465.0  | 2470.0  | 2478.2  | 2473.3  |
| 30°   | 2638.4  | 2635.1  | 2648.3  | 2649.9  | 2648.3  | 2649.9  | 2646.6  | 2641.7  | 2645.0  | 2659.8  | 2651.6  |
| 32.5° | 2836.5  | 2843.1  | 2846.4  | 2849.7  | 2854.7  | 2861.3  | 2856.3  | 2851.4  | 2859.6  | 2854.7  | 2866.2  |
| 35°   | 3075.9  | 3090.8  | 3095.7  | 3090.8  | 3094.1  | 3105.6  | 3104.0  | 3105.6  | 3122.1  | 3105.6  | 3127.1  |
| 37.5° | 3378.0  | 3392.9  | 3404.5  | 3397.9  | 3406.1  | 3406.1  | 3419.3  | 3455.6  | 3432.5  | 3462.3  | 3485.4  |
| 40°   | 3817.2  | 3840.3  | 3842.0  | 3840.3  | 3848.6  | 3858.5  | 3871.7  | 3911.3  | 3884.9  | 3916.3  | 3937.8  |
| 42.5° | 4269.6  | 4297.7  | 4307.6  | 4291.1  | 4309.2  | 4330.7  | 4332.4  | 4367.0  | 4368.7  | 4373.6  | 4385.2  |
| 45°   | 4779.8  | 4804.6  | 4824.4  | 4816.1  | 4817.8  | 4845.8  | 4839.2  | 4872.2  | 4847.5  | 4847.5  | 4854.1  |
| 47.5° | 5323.0  | 5346.1  | 5359.3  | 5372.5  | 5356.0  | 5380.8  | 5392.3  | 5385.7  | 5356.0  | 5349.4  | 5309.8  |
| 50°   | 5818.3  | 5838.1  | 5857.9  | 5894.2  | 5892.6  | 5904.2  | 5912.4  | 5882.7  | 5876.1  | 5839.8  | 5795.2  |
| 52.5° | 6343.3  | 6394.5  | 6439.1  | 6515.0  | 6526.6  | 6566.2  | 6551.4  | 6501.8  | 6493.6  | 6434.1  | 6374.7  |
| 55°   | 7074.7  | 7221.7  | 7286.1  | 7403.3  | 7482.6  | 7480.9  | 7447.9  | 7439.6  | 7376.9  | 7258.0  | 7187.0  |
| 57.5° | 8347.7  | 8577.2  | 8687.8  | 8839.7  | 8864.5  | 8849.6  | 8806.7  | 8730.8  | 8621.8  | 8422.0  | 8293.2  |
| 60°   | 10185.3 | 10327.3 | 10456.1 | 10492.4 | 10510.6 | 10482.5 | 10332.3 | 10163.9 | 9950.9  | 9675.2  | 9445.7  |
| 62.5° | 11573.9 | 11719.2 | 11814.9 | 11800.1 | 11686.1 | 11542.5 | 11322.9 | 11040.6 | 10741.7 | 10433.0 | 10089.6 |
| 65°   | 12280.5 | 12341.6 | 12326.7 | 12211.2 | 12016.3 | 11765.4 | 11445.1 | 11096.7 | 10745.0 | 10380.2 | 10023.5 |
| 67°   | 12242.5 | 12244.2 | 12143.5 | 11918.9 | 11669.6 | 11354.3 | 10963.0 | 10583.2 | 10170.5 | 9787.4  | 9363.1  |
| 67.5° | 12174.8 | 12168.2 | 12027.9 | 11781.9 | 11512.8 | 11187.5 | 10781.4 | 10388.4 | 9960.8  | 9574.4  | 9135.3  |
| 70°   | 11408.8 | 11316.3 | 10999.3 | 10606.3 | 10231.6 | 9792.4  | 9366.4  | 8915.7  | 8433.6  | 8101.7  | 7596.5  |
| 72.5° | 9374.7  | 9062.6  | 8516.1  | 8105.0  | 7703.8  | 7129.2  | 6863.4  | 6303.7  | 5965.2  | 5753.9  | 5372.5  |
| 75°   | 5428.7  | 5167.8  | 4745.1  | 4360.4  | 4165.6  | 3825.5  | 3663.7  | 3252.6  | 3166.7  | 3163.4  | 3031.3  |
| 77.5° | 2072.1  | 1807.9  | 1535.5  | 1236.6  | 1051.7  | 835.4   | 736.4   | 658.8   | 599.3   | 640.6   | 581.2   |
| 80°   | 1553.6  | 1277.9  | 998.9   | 726.5   | 518.4   | 383.0   | 328.6   | 303.8   | 288.9   | 277.4   | 269.1   |
| 82.5° | 1157.4  | 913.0   | 708.3   | 462.3   | 323.6   | 244.4   | 211.3   | 198.1   | 191.5   | 180.0   | 170.1   |
| 85°   | 391.3   | 313.7   | 247.7   | 171.7   | 135.4   | 110.6   | 102.4   | 99.1    | 94.1    | 85.9    | 80.9    |
| 87.5° | 21.5    | 19.8    | 21.5    | 16.5    | 19.8    | 16.5    | 18.2    | 18.2    | 18.2    | 16.5    | 16.5    |
| 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: P151265

CATALOG NUMBER: TLM-F06-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

|       | 87°    | 88°    | 89°    | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 | 1642.8 |
| 2.5°  | 1649.4 | 1649.4 | 1649.4 | 1646.1 | 1641.1 | 1631.2 | 1621.3 | 1613.1 | 1604.8 | 1599.9 | 1596.6 |
| 5°    | 1674.2 | 1670.9 | 1669.2 | 1667.6 | 1656.0 | 1636.2 | 1618.0 | 1601.5 | 1585.0 | 1571.8 | 1566.8 |
| 7.5°  | 1718.7 | 1712.1 | 1710.5 | 1705.5 | 1690.7 | 1661.0 | 1634.5 | 1608.1 | 1585.0 | 1566.8 | 1558.6 |
| 10°   | 1786.4 | 1786.4 | 1776.5 | 1769.9 | 1753.4 | 1713.8 | 1675.8 | 1641.1 | 1609.8 | 1590.0 | 1585.0 |
| 12.5° | 1872.3 | 1872.3 | 1864.0 | 1859.1 | 1839.3 | 1788.1 | 1741.9 | 1700.6 | 1670.9 | 1651.0 | 1649.4 |
| 15°   | 1961.4 | 1959.8 | 1953.2 | 1946.6 | 1925.1 | 1870.6 | 1824.4 | 1788.1 | 1763.3 | 1740.2 | 1733.6 |
| 17.5° | 2040.7 | 2040.7 | 2032.4 | 2025.8 | 2004.4 | 1958.1 | 1916.9 | 1890.5 | 1862.4 | 1814.5 | 1778.2 |
| 20°   | 2119.9 | 2121.6 | 2115.0 | 2108.4 | 2090.2 | 2050.6 | 2032.4 | 2006.0 | 1943.3 | 1839.3 | 1753.4 |
| 22.5° | 2207.5 | 2214.1 | 2205.8 | 2199.2 | 2184.3 | 2167.8 | 2161.2 | 2098.5 | 1966.4 | 1799.6 | 1674.2 |
| 25°   | 2319.7 | 2331.3 | 2321.4 | 2318.1 | 2309.8 | 2314.8 | 2295.0 | 2149.7 | 1933.4 | 1713.8 | 1556.9 |
| 27.5° | 2473.3 | 2473.3 | 2474.9 | 2474.9 | 2471.6 | 2489.8 | 2417.1 | 2151.3 | 1860.7 | 1603.2 | 1416.6 |
| 30°   | 2653.2 | 2663.1 | 2659.8 | 2659.8 | 2673.0 | 2684.6 | 2484.8 | 2115.0 | 1768.3 | 1466.1 | 1244.9 |
| 32.5° | 2869.5 | 2877.8 | 2881.1 | 2866.2 | 2919.1 | 2859.6 | 2509.6 | 2049.0 | 1654.4 | 1296.1 | 1040.2 |
| 35°   | 3130.4 | 3141.9 | 3150.2 | 3151.9 | 3186.5 | 3011.5 | 2496.4 | 1951.5 | 1490.9 | 1083.1 | 815.6  |
| 37.5° | 3470.5 | 3493.6 | 3511.8 | 3520.0 | 3521.7 | 3140.3 | 2460.1 | 1822.8 | 1277.9 | 845.3  | 607.6  |
| 40°   | 3922.9 | 3947.7 | 3942.7 | 3959.2 | 3865.1 | 3216.2 | 2377.5 | 1636.2 | 1013.7 | 620.8  | 468.9  |
| 42.5° | 4358.8 | 4362.1 | 4368.7 | 4353.8 | 4162.3 | 3255.9 | 2261.9 | 1408.3 | 759.5  | 463.9  | 401.2  |
| 45°   | 4845.8 | 4817.8 | 4786.4 | 4763.3 | 4436.4 | 3270.7 | 2103.4 | 1131.0 | 536.6  | 389.6  | 371.5  |
| 47.5° | 5303.2 | 5265.2 | 5200.8 | 5134.8 | 4680.7 | 3247.6 | 1900.4 | 847.0  | 407.8  | 356.6  | 351.7  |
| 50°   | 5752.3 | 5681.3 | 5590.5 | 5514.5 | 4915.2 | 3212.9 | 1675.8 | 610.9  | 356.6  | 340.1  | 335.2  |
| 52.5° | 6308.7 | 6189.8 | 6070.9 | 5971.8 | 5220.6 | 3158.5 | 1439.7 | 463.9  | 335.2  | 326.9  | 320.3  |
| 55°   | 7071.4 | 6906.3 | 6714.8 | 6576.1 | 5635.0 | 3075.9 | 1192.1 | 392.9  | 325.3  | 318.7  | 308.7  |
| 57.5° | 8128.1 | 7880.5 | 7664.2 | 7438.0 | 6201.3 | 2991.7 | 979.1  | 364.9  | 323.6  | 313.7  | 300.5  |
| 60°   | 9207.9 | 8910.7 | 8635.0 | 8311.4 | 6779.2 | 2907.5 | 830.5  | 361.6  | 328.6  | 313.7  | 293.9  |
| 62.5° | 9769.3 | 9462.2 | 9130.3 | 8801.7 | 7028.5 | 2709.4 | 728.1  | 366.5  | 340.1  | 318.7  | 293.9  |
| 65°   | 9640.5 | 9265.7 | 8928.9 | 8593.7 | 6739.6 | 2334.6 | 615.8  | 373.1  | 363.2  | 338.5  | 298.8  |
| 67°   | 8993.3 | 8602.0 | 8278.4 | 7958.1 | 6095.7 | 1954.8 | 528.3  | 379.7  | 388.0  | 361.6  | 308.7  |
| 67.5° | 8765.4 | 8374.1 | 8055.5 | 7743.4 | 5905.8 | 1875.6 | 506.9  | 383.0  | 392.9  | 368.2  | 312.0  |
| 70°   | 7267.9 | 6980.6 | 6642.2 | 6401.1 | 4781.4 | 1388.5 | 416.1  | 389.6  | 422.7  | 406.2  | 326.9  |
| 72.5° | 5230.5 | 4956.5 | 4702.2 | 4568.5 | 3521.7 | 970.8  | 350.0  | 383.0  | 440.8  | 427.6  | 333.5  |
| 75°   | 2780.4 | 2763.9 | 2671.4 | 2737.4 | 2179.4 | 634.0  | 308.7  | 358.3  | 421.0  | 391.3  | 310.4  |
| 77.5° | 561.4  | 577.9  | 678.6  | 668.7  | 703.3  | 353.3  | 264.2  | 307.1  | 325.3  | 287.3  | 252.6  |
| 80°   | 260.9  | 255.9  | 251.0  | 254.3  | 249.3  | 226.2  | 214.6  | 241.1  | 226.2  | 184.9  | 168.4  |
| 82.5° | 161.8  | 158.5  | 153.5  | 151.9  | 168.4  | 180.0  | 188.2  | 189.9  | 150.2  | 128.8  | 123.8  |
| 85°   | 77.6   | 77.6   | 75.9   | 79.3   | 99.1   | 146.9  | 158.5  | 140.3  | 100.7  | 92.5   | 87.5   |
| 87.5° | 14.9   | 14.9   | 16.5   | 14.9   | 19.8   | 34.7   | 39.6   | 46.2   | 38.0   | 39.6   | 44.6   |
| 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: P151265

CATALOG NUMBER: TLM-F06-LED-E1-SL3

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1642.8 | 1642.8 | 1642.8 |
| 2.5°  | 1593.3 | 1590.0 | 1590.0 |
| 5°    | 1560.2 | 1558.6 | 1558.6 |
| 7.5°  | 1552.0 | 1553.6 | 1552.0 |
| 10°   | 1583.4 | 1581.7 | 1588.3 |
| 12.5° | 1652.7 | 1657.7 | 1656.0 |
| 15°   | 1725.3 | 1728.6 | 1728.6 |
| 17.5° | 1746.8 | 1735.3 | 1733.6 |
| 20°   | 1690.7 | 1669.2 | 1664.3 |
| 22.5° | 1585.0 | 1545.4 | 1547.0 |
| 25°   | 1451.3 | 1403.4 | 1406.7 |
| 27.5° | 1296.1 | 1244.9 | 1243.2 |
| 30°   | 1109.5 | 1053.4 | 1025.3 |
| 32.5° | 885.0  | 817.3  | 817.3  |
| 35°   | 665.4  | 610.9  | 591.1  |
| 37.5° | 505.2  | 473.9  | 463.9  |
| 40°   | 421.0  | 406.2  | 402.9  |
| 42.5° | 383.0  | 378.1  | 376.4  |
| 45°   | 363.2  | 359.9  | 358.3  |
| 47.5° | 345.1  | 343.4  | 341.8  |
| 50°   | 331.9  | 330.2  | 328.6  |
| 52.5° | 320.3  | 317.0  | 315.4  |
| 55°   | 303.8  | 303.8  | 303.8  |
| 57.5° | 293.9  | 293.9  | 292.2  |
| 60°   | 284.0  | 282.3  | 282.3  |
| 62.5° | 275.7  | 272.4  | 274.1  |
| 65°   | 270.8  | 265.8  | 265.8  |
| 67°   | 267.5  | 257.6  | 257.6  |
| 67.5° | 267.5  | 254.3  | 254.3  |
| 70°   | 262.5  | 241.1  | 237.8  |
| 72.5° | 257.6  | 226.2  | 221.2  |
| 75°   | 244.4  | 214.6  | 209.7  |
| 77.5° | 209.7  | 191.5  | 188.2  |
| 80°   | 161.8  | 140.3  | 143.6  |
| 82.5° | 117.2  | 100.7  | 99.1   |
| 85°   | 84.2   | 72.6   | 72.6   |
| 87.5° | 44.6   | 38.0   | 39.6   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)