

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: P148983

Luminaire Tested: **TLM-F06-LED-E1-RW-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P148983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
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-RW-8030
Description: TALON MEDIUM LED SITE LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

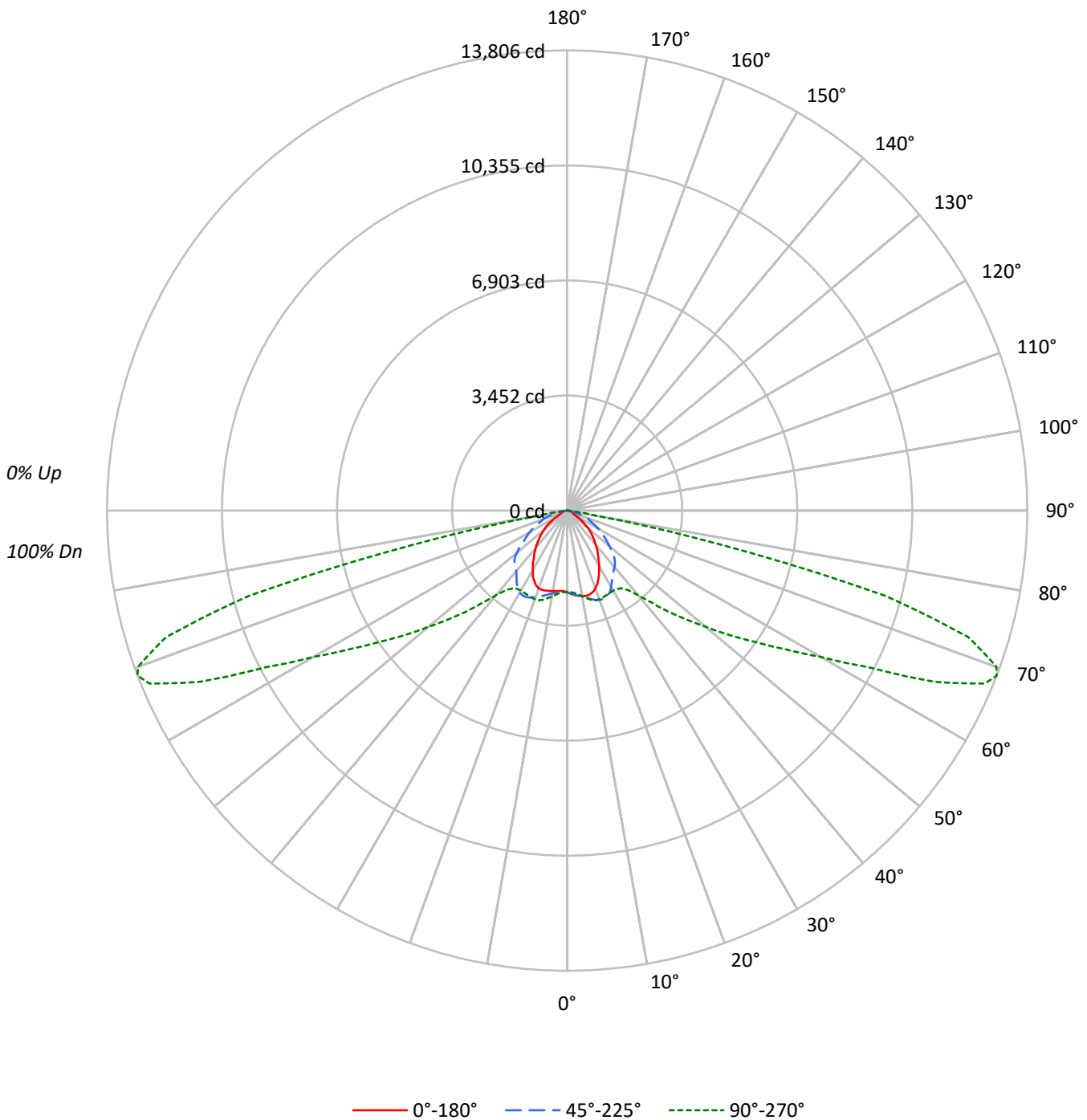
Lumens per Lamp: N/A
Luminaire Lumens: 13059.3 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 3.07 / 1.6
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
CIE Type: Direct

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: P148983
CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

Luminous Intensity Polar Plot





TEST NUMBER: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

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 | 106 | 101 | 95 | 91 | 104 | 98 | 93 | 89 | 94 | 90 | 86 | 90 | 87 | 84 | 86 | 84 | 81 | 79 | | | | | 79 | | | |
| 2 | 94 | 84 | 76 | 69 | 91 | 82 | 75 | 68 | 79 | 72 | 66 | 75 | 70 | 65 | 72 | 67 | 63 | 61 | | | | | 61 | | | |
| 3 | 84 | 72 | 62 | 54 | 81 | 70 | 61 | 54 | 67 | 59 | 52 | 64 | 57 | 51 | 61 | 55 | 51 | 48 | | | | | 48 | | | |
| 4 | 76 | 62 | 51 | 44 | 73 | 60 | 51 | 43 | 58 | 49 | 43 | 55 | 48 | 42 | 53 | 47 | 41 | 39 | | | | | 39 | | | |
| 5 | 69 | 54 | 44 | 36 | 67 | 53 | 43 | 36 | 51 | 42 | 35 | 49 | 41 | 35 | 47 | 40 | 35 | 32 | | | | | 32 | | | |
| 6 | 63 | 48 | 38 | 31 | 61 | 47 | 37 | 30 | 45 | 36 | 30 | 43 | 36 | 30 | 42 | 35 | 29 | 27 | | | | | 27 | | | |
| 7 | 58 | 43 | 33 | 26 | 56 | 42 | 33 | 26 | 40 | 32 | 26 | 39 | 31 | 26 | 38 | 31 | 25 | 23 | | | | | 23 | | | |
| 8 | 54 | 39 | 29 | 23 | 52 | 38 | 29 | 23 | 37 | 29 | 23 | 35 | 28 | 23 | 34 | 27 | 22 | 20 | | | | | 20 | | | |
| 9 | 50 | 35 | 26 | 20 | 49 | 35 | 26 | 20 | 34 | 26 | 20 | 32 | 25 | 20 | 31 | 25 | 20 | 18 | | | | | 18 | | | |
| 10 | 47 | 33 | 24 | 18 | 46 | 32 | 24 | 18 | 31 | 23 | 18 | 30 | 23 | 18 | 29 | 23 | 18 | 16 | | | | | 16 | | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|-------|--------|-------|
| 0° | 26338 | 26338 | 26338 |
| 5° | 27509 | 26816 | 26123 |
| 10° | 28451 | 28543 | 26821 |
| 15° | 29100 | 30886 | 27672 |
| 20° | 28396 | 32418 | 28460 |
| 25° | 26496 | 33215 | 27688 |
| 30° | 23849 | 34483 | 25615 |
| 35° | 21185 | 37372 | 22906 |
| 40° | 18680 | 46503 | 20637 |
| 45° | 16334 | 65163 | 18031 |
| 50° | 13745 | 90842 | 15471 |
| 55° | 9910 | 128921 | 12161 |
| 60° | 5909 | 188780 | 7259 |
| 65° | 5323 | 309305 | 5323 |
| 70° | 5438 | 431356 | 5526 |
| 75° | 5793 | 410533 | 6084 |
| 80° | 5876 | 52862 | 6391 |
| 85° | 3792 | 13252 | 5335 |



TEST NUMBER: P148983

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 240.0 | 1.8 |
| 10°-20° | 757.2 | 5.8 |
| 20°-30° | 1226.7 | 9.4 |
| 30°-40° | 1528.8 | 11.7 |
| 40°-50° | 1910.4 | 14.6 |
| 50°-60° | 2358.9 | 18.1 |
| 60°-70° | 2931.0 | 22.4 |
| 70°-80° | 1945.8 | 14.9 |
| 80°-90° | 160.6 | 1.2 |
| 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° | 2223.9 | 17.0 |
| 0°-40° | 3752.6 | 28.7 |
| 0°-60° | 8021.9 | 61.4 |
| 0°-90° | 13059.3 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 13059.3 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|-------|------|------|------|
| 0° | 2447 | 2447 | 2447 | 2447 | 2447 | |
| 5° | 2546 | 2530 | 2482 | 2443 | 2418 | 245 |
| 15° | 2611 | 2745 | 2772 | 2635 | 2483 | 731 |
| 25° | 2231 | 2841 | 2797 | 2868 | 2331 | 1019 |
| 35° | 1612 | 2374 | 2844 | 2642 | 1743 | 1010 |
| 45° | 1073 | 2000 | 4281 | 2232 | 1184 | 827 |
| 55° | 528 | 1353 | 6870 | 1586 | 648 | 471 |
| 65° | 209 | 784 | 12144 | 998 | 209 | 211 |
| 75° | 139 | 309 | 9871 | 403 | 146 | 146 |
| 85° | 31 | 58 | 107 | 77 | 43 | 39 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 70° | 71° | 72° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 |
| 2.5° | 2502.7 | 2511.0 | 2502.7 | 2502.7 | 2495.7 | 2488.7 | 2484.6 | 2474.8 | 2469.2 | 2466.4 | 2466.4 |
| 5° | 2545.9 | 2544.5 | 2545.9 | 2545.9 | 2538.9 | 2530.5 | 2525.0 | 2516.6 | 2508.2 | 2506.9 | 2505.5 |
| 7.5° | 2577.9 | 2576.5 | 2580.7 | 2589.1 | 2584.9 | 2577.9 | 2577.9 | 2569.6 | 2564.0 | 2564.0 | 2561.2 |
| 10° | 2603.0 | 2604.4 | 2612.8 | 2625.3 | 2628.1 | 2626.7 | 2636.4 | 2633.7 | 2630.9 | 2633.7 | 2630.9 |
| 12.5° | 2619.7 | 2621.1 | 2632.3 | 2656.0 | 2671.3 | 2681.0 | 2706.1 | 2707.5 | 2708.9 | 2708.9 | 2708.9 |
| 15° | 2611.4 | 2611.4 | 2633.7 | 2678.3 | 2715.9 | 2745.1 | 2777.2 | 2782.8 | 2777.2 | 2781.4 | 2778.6 |
| 17.5° | 2562.6 | 2565.4 | 2601.6 | 2669.9 | 2746.5 | 2810.6 | 2845.5 | 2835.7 | 2826.0 | 2826.0 | 2821.8 |
| 20° | 2479.0 | 2484.6 | 2533.3 | 2629.5 | 2750.7 | 2852.4 | 2906.8 | 2874.7 | 2848.3 | 2844.1 | 2839.9 |
| 22.5° | 2375.9 | 2371.7 | 2430.2 | 2551.4 | 2718.7 | 2870.6 | 2944.4 | 2905.4 | 2858.0 | 2848.3 | 2841.3 |
| 25° | 2230.9 | 2233.7 | 2295.0 | 2430.2 | 2637.8 | 2841.3 | 2955.6 | 2936.0 | 2880.3 | 2867.8 | 2852.4 |
| 27.5° | 2072.1 | 2079.1 | 2144.6 | 2282.5 | 2512.4 | 2768.8 | 2943.0 | 2966.7 | 2923.5 | 2909.6 | 2895.6 |
| 30° | 1918.8 | 1923.0 | 1996.8 | 2144.6 | 2357.8 | 2640.6 | 2909.6 | 3000.1 | 2977.8 | 2966.7 | 2954.2 |
| 32.5° | 1755.8 | 1769.7 | 1833.8 | 2001.0 | 2235.1 | 2499.9 | 2858.0 | 3035.0 | 3043.3 | 3036.4 | 3029.4 |
| 35° | 1612.2 | 1623.4 | 1695.9 | 1871.4 | 2116.7 | 2374.5 | 2795.3 | 3072.6 | 3129.7 | 3128.3 | 3126.9 |
| 37.5° | 1482.7 | 1485.4 | 1562.1 | 1740.4 | 1999.6 | 2286.7 | 2729.8 | 3133.9 | 3235.6 | 3249.6 | 3266.3 |
| 40° | 1329.4 | 1343.3 | 1422.7 | 1615.0 | 1884.0 | 2211.4 | 2674.1 | 3216.1 | 3383.3 | 3414.0 | 3437.7 |
| 42.5° | 1206.7 | 1206.7 | 1277.8 | 1468.7 | 1747.4 | 2125.0 | 2654.6 | 3319.2 | 3558.9 | 3600.7 | 3642.5 |
| 45° | 1073.0 | 1077.2 | 1145.4 | 1319.6 | 1591.3 | 1999.6 | 2651.8 | 3433.5 | 3755.4 | 3815.3 | 3866.9 |
| 47.5° | 946.2 | 949.0 | 1021.4 | 1190.0 | 1429.7 | 1826.8 | 2616.9 | 3560.3 | 3961.6 | 4048.0 | 4105.2 |
| 50° | 820.8 | 816.6 | 886.2 | 1057.6 | 1286.2 | 1648.5 | 2505.5 | 3724.7 | 4218.0 | 4304.4 | 4369.9 |
| 52.5° | 666.1 | 677.2 | 752.5 | 915.5 | 1145.4 | 1496.6 | 2278.3 | 3886.4 | 4482.8 | 4580.3 | 4669.5 |
| 55° | 528.1 | 526.7 | 611.7 | 759.4 | 993.5 | 1353.1 | 2009.4 | 4000.7 | 4740.6 | 4853.5 | 4952.4 |
| 57.5° | 379.0 | 383.2 | 455.7 | 602.0 | 836.1 | 1224.9 | 1805.9 | 3981.1 | 4939.9 | 5073.6 | 5199.0 |
| 60° | 274.5 | 282.9 | 337.2 | 444.5 | 667.5 | 1077.2 | 1663.8 | 3755.4 | 5076.4 | 5259.0 | 5410.8 |
| 62.5° | 231.3 | 238.3 | 285.7 | 344.2 | 515.6 | 922.5 | 1525.9 | 3393.1 | 5253.4 | 5494.5 | 5714.6 |
| 65° | 209.0 | 214.6 | 262.0 | 295.4 | 395.7 | 784.5 | 1439.5 | 3136.7 | 5486.1 | 5852.6 | 6153.6 |
| 67.5° | 188.1 | 196.5 | 238.3 | 263.4 | 335.8 | 700.9 | 1414.4 | 3097.7 | 5530.7 | 6015.6 | 6443.4 |
| 69° | 178.4 | 186.7 | 224.3 | 246.6 | 316.3 | 674.4 | 1367.0 | 2956.9 | 5239.5 | 5760.6 | 6240.0 |
| 70° | 172.8 | 179.8 | 213.2 | 236.9 | 310.7 | 649.4 | 1300.1 | 2750.7 | 4930.1 | 5455.4 | 5971.0 |
| 72.5° | 158.9 | 163.0 | 190.9 | 214.6 | 285.7 | 498.9 | 985.2 | 1987.1 | 3680.2 | 4199.9 | 4705.8 |
| 75° | 139.3 | 143.5 | 168.6 | 192.3 | 221.6 | 309.4 | 597.8 | 1178.9 | 2258.8 | 2608.6 | 3115.8 |
| 77.5° | 119.8 | 124.0 | 144.9 | 181.2 | 175.6 | 202.1 | 365.1 | 705.1 | 1184.5 | 1358.6 | 1683.3 |
| 80° | 94.8 | 100.3 | 121.2 | 174.2 | 146.3 | 160.2 | 267.5 | 521.2 | 720.4 | 792.9 | 877.9 |
| 82.5° | 66.9 | 69.7 | 92.0 | 139.3 | 110.1 | 121.2 | 200.7 | 433.4 | 578.3 | 631.2 | 656.3 |
| 85° | 30.7 | 32.0 | 54.3 | 82.2 | 65.5 | 58.5 | 107.3 | 277.3 | 383.2 | 398.5 | 420.8 |
| 87.5° | 0.0 | 0.0 | 5.6 | 5.6 | 11.1 | 7.0 | 12.5 | 34.8 | 58.5 | 58.5 | 71.1 |
| 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: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

| | 73° | 74° | 75° | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| 0° | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 |
| 2.5° | 2467.8 | 2466.4 | 2467.8 | 2467.8 | 2469.2 | 2463.7 | 2462.3 | 2460.9 | 2459.5 | 2460.9 | 2458.1 |
| 5° | 2505.5 | 2504.1 | 2504.1 | 2505.5 | 2504.1 | 2499.9 | 2498.5 | 2498.5 | 2494.3 | 2492.9 | 2492.9 |
| 7.5° | 2562.6 | 2559.8 | 2555.6 | 2558.4 | 2559.8 | 2558.4 | 2559.8 | 2555.6 | 2555.6 | 2551.4 | 2552.8 |
| 10° | 2633.7 | 2630.9 | 2629.5 | 2632.3 | 2633.7 | 2632.3 | 2633.7 | 2628.1 | 2626.7 | 2625.3 | 2622.5 |
| 12.5° | 2711.7 | 2706.1 | 2710.3 | 2710.3 | 2711.7 | 2717.3 | 2710.3 | 2713.1 | 2707.5 | 2707.5 | 2706.1 |
| 15° | 2780.0 | 2778.6 | 2781.4 | 2781.4 | 2780.0 | 2784.2 | 2782.8 | 2784.2 | 2777.2 | 2774.4 | 2781.4 |
| 17.5° | 2823.2 | 2819.0 | 2820.4 | 2819.0 | 2819.0 | 2819.0 | 2821.8 | 2821.8 | 2817.6 | 2816.2 | 2819.0 |
| 20° | 2834.3 | 2827.4 | 2826.0 | 2824.6 | 2821.8 | 2821.8 | 2823.2 | 2820.4 | 2817.6 | 2814.8 | 2817.6 |
| 22.5° | 2831.5 | 2823.2 | 2814.8 | 2810.6 | 2806.5 | 2800.9 | 2799.5 | 2796.7 | 2792.5 | 2792.5 | 2793.9 |
| 25° | 2841.3 | 2826.0 | 2813.4 | 2805.1 | 2793.9 | 2786.9 | 2781.4 | 2774.4 | 2767.4 | 2763.3 | 2764.6 |
| 27.5° | 2874.7 | 2858.0 | 2841.3 | 2824.6 | 2807.8 | 2793.9 | 2782.8 | 2770.2 | 2759.1 | 2750.7 | 2746.5 |
| 30° | 2937.4 | 2915.1 | 2895.6 | 2876.1 | 2855.2 | 2835.7 | 2817.6 | 2798.1 | 2777.2 | 2764.6 | 2753.5 |
| 32.5° | 3009.9 | 2994.6 | 2982.0 | 2959.7 | 2937.4 | 2913.7 | 2891.5 | 2874.7 | 2844.1 | 2820.4 | 2800.9 |
| 35° | 3120.0 | 3114.4 | 3107.4 | 3090.7 | 3065.6 | 3053.1 | 3035.0 | 3008.5 | 2972.3 | 2951.4 | 2922.1 |
| 37.5° | 3271.9 | 3273.3 | 3267.7 | 3260.7 | 3263.5 | 3239.8 | 3228.7 | 3225.9 | 3189.7 | 3175.7 | 3132.5 |
| 40° | 3458.6 | 3479.5 | 3497.6 | 3497.6 | 3511.5 | 3512.9 | 3510.2 | 3533.8 | 3507.4 | 3512.9 | 3467.0 |
| 42.5° | 3666.2 | 3716.4 | 3744.3 | 3765.2 | 3811.1 | 3832.0 | 3866.9 | 3918.4 | 3921.2 | 3947.7 | 3950.5 |
| 45° | 3911.5 | 3967.2 | 4020.2 | 4074.5 | 4135.8 | 4208.3 | 4280.7 | 4333.7 | 4417.3 | 4435.4 | 4495.3 |
| 47.5° | 4166.5 | 4247.3 | 4308.6 | 4378.3 | 4482.8 | 4576.2 | 4683.5 | 4792.1 | 4888.3 | 4956.6 | 4995.6 |
| 50° | 4448.0 | 4530.2 | 4619.4 | 4697.4 | 4808.9 | 4939.9 | 5089.0 | 5238.1 | 5362.1 | 5483.3 | 5580.9 |
| 52.5° | 4760.1 | 4850.7 | 4934.3 | 5036.0 | 5148.9 | 5304.9 | 5468.0 | 5672.8 | 5838.6 | 6004.5 | 6124.3 |
| 55° | 5059.7 | 5161.4 | 5238.1 | 5367.7 | 5484.7 | 5645.0 | 5847.0 | 6089.5 | 6319.4 | 6520.1 | 6683.1 |
| 57.5° | 5320.3 | 5420.6 | 5527.9 | 5639.4 | 5781.5 | 5941.8 | 6189.8 | 6465.7 | 6727.7 | 6991.0 | 7232.1 |
| 60° | 5564.1 | 5699.3 | 5816.3 | 5964.1 | 6106.2 | 6291.5 | 6586.9 | 6928.3 | 7286.5 | 7613.9 | 7855.0 |
| 62.5° | 5932.0 | 6104.8 | 6242.8 | 6425.3 | 6623.2 | 6841.9 | 7168.0 | 7544.3 | 8011.1 | 8433.3 | 8808.1 |
| 65° | 6446.2 | 6711.0 | 6933.9 | 7158.3 | 7399.3 | 7700.3 | 8052.9 | 8530.8 | 9046.4 | 9670.7 | 10165.4 |
| 67.5° | 6812.7 | 7144.3 | 7432.8 | 7714.3 | 7991.6 | 8324.6 | 8760.8 | 9320.9 | 9988.4 | 10644.7 | 11273.2 |
| 69° | 6665.0 | 7016.1 | 7336.6 | 7616.7 | 7909.3 | 8242.4 | 8667.4 | 9281.9 | 9961.9 | 10683.7 | 11306.6 |
| 70° | 6354.2 | 6733.3 | 7076.0 | 7343.6 | 7643.2 | 7973.4 | 8443.0 | 9029.7 | 9723.6 | 10470.5 | 11080.9 |
| 72.5° | 5109.9 | 5509.8 | 5848.4 | 6145.2 | 6458.7 | 6846.1 | 7264.2 | 7827.1 | 8596.3 | 9327.9 | 9871.3 |
| 75° | 3519.9 | 3893.4 | 4276.6 | 4498.1 | 4857.6 | 5133.5 | 5530.7 | 6107.6 | 6750.0 | 7287.9 | 7790.9 |
| 77.5° | 1991.3 | 2191.9 | 2481.8 | 2572.3 | 2830.1 | 3014.1 | 3224.5 | 3579.8 | 3914.3 | 4226.4 | 4317.0 |
| 80° | 905.8 | 845.8 | 875.1 | 830.5 | 879.3 | 848.6 | 813.8 | 833.3 | 829.1 | 891.8 | 833.3 |
| 82.5° | 652.1 | 563.0 | 468.2 | 404.1 | 355.3 | 301.0 | 256.4 | 229.9 | 227.1 | 238.3 | 234.1 |
| 85° | 416.6 | 380.4 | 298.2 | 239.7 | 183.9 | 142.1 | 118.4 | 107.3 | 107.3 | 114.3 | 112.9 |
| 87.5° | 72.5 | 62.7 | 39.0 | 33.4 | 29.3 | 19.5 | 12.5 | 12.5 | 11.1 | 13.9 | 18.1 |
| 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: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

| | 84° | 85° | 86° | 87° | 88° | 89° | 90° | 91° | 92° | 93° | 94° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 |
| 2.5° | 2458.1 | 2456.7 | 2453.9 | 2452.5 | 2452.5 | 2449.7 | 2448.3 | 2451.1 | 2452.5 | 2453.9 | 2449.7 |
| 5° | 2492.9 | 2488.7 | 2487.3 | 2488.7 | 2481.8 | 2483.2 | 2481.8 | 2483.2 | 2483.2 | 2483.2 | 2480.4 |
| 7.5° | 2548.7 | 2544.5 | 2547.3 | 2544.5 | 2540.3 | 2538.9 | 2538.9 | 2534.7 | 2529.2 | 2527.8 | 2529.2 |
| 10° | 2625.3 | 2619.7 | 2621.1 | 2622.5 | 2618.3 | 2615.5 | 2611.4 | 2605.8 | 2605.8 | 2604.4 | 2601.6 |
| 12.5° | 2707.5 | 2704.7 | 2704.7 | 2706.1 | 2704.7 | 2699.2 | 2693.6 | 2690.8 | 2689.4 | 2689.4 | 2689.4 |
| 15° | 2778.6 | 2777.2 | 2778.6 | 2777.2 | 2777.2 | 2774.4 | 2771.6 | 2767.4 | 2766.0 | 2767.4 | 2768.8 |
| 17.5° | 2819.0 | 2814.8 | 2819.0 | 2820.4 | 2819.0 | 2819.0 | 2819.0 | 2816.2 | 2814.8 | 2814.8 | 2816.2 |
| 20° | 2821.8 | 2819.0 | 2821.8 | 2826.0 | 2826.0 | 2827.4 | 2830.1 | 2831.5 | 2830.1 | 2832.9 | 2834.3 |
| 22.5° | 2793.9 | 2793.9 | 2798.1 | 2802.3 | 2809.2 | 2812.0 | 2817.6 | 2820.4 | 2823.2 | 2827.4 | 2830.1 |
| 25° | 2766.0 | 2764.6 | 2768.8 | 2777.2 | 2782.8 | 2789.7 | 2796.7 | 2802.3 | 2807.8 | 2813.4 | 2819.0 |
| 27.5° | 2746.5 | 2745.1 | 2747.9 | 2754.9 | 2761.9 | 2770.2 | 2781.4 | 2789.7 | 2796.7 | 2803.7 | 2807.8 |
| 30° | 2747.9 | 2742.4 | 2741.0 | 2746.5 | 2753.5 | 2763.3 | 2774.4 | 2784.2 | 2793.9 | 2799.5 | 2803.7 |
| 32.5° | 2788.3 | 2774.4 | 2768.8 | 2767.4 | 2770.2 | 2777.2 | 2785.5 | 2795.3 | 2802.3 | 2807.8 | 2809.2 |
| 35° | 2892.8 | 2866.4 | 2860.8 | 2842.7 | 2845.5 | 2844.1 | 2844.1 | 2849.6 | 2855.2 | 2855.2 | 2845.5 |
| 37.5° | 3104.7 | 3067.0 | 3040.6 | 3022.4 | 3004.3 | 3002.9 | 3000.1 | 2997.4 | 2983.4 | 2975.1 | 2973.7 |
| 40° | 3434.9 | 3419.6 | 3369.4 | 3355.5 | 3324.8 | 3303.9 | 3309.5 | 3298.3 | 3264.9 | 3252.4 | 3246.8 |
| 42.5° | 3917.0 | 3925.4 | 3897.5 | 3832.0 | 3805.6 | 3765.2 | 3731.7 | 3726.1 | 3695.5 | 3670.4 | 3650.9 |
| 45° | 4482.8 | 4498.1 | 4477.2 | 4429.8 | 4382.5 | 4321.2 | 4280.7 | 4202.7 | 4172.1 | 4133.0 | 4106.6 |
| 47.5° | 5063.9 | 5105.7 | 5072.2 | 5030.4 | 5004.0 | 4907.8 | 4824.2 | 4733.6 | 4687.6 | 4631.9 | 4606.8 |
| 50° | 5640.8 | 5714.6 | 5695.1 | 5656.1 | 5626.8 | 5505.6 | 5424.8 | 5299.4 | 5272.9 | 5217.2 | 5186.5 |
| 52.5° | 6217.7 | 6290.1 | 6333.3 | 6297.1 | 6276.2 | 6178.7 | 6122.9 | 6022.6 | 5947.3 | 5912.5 | 5911.1 |
| 55° | 6800.1 | 6917.2 | 6985.5 | 6972.9 | 6938.1 | 6925.6 | 6869.8 | 6860.1 | 6801.5 | 6763.9 | 6713.7 |
| 57.5° | 7370.1 | 7494.1 | 7612.5 | 7682.2 | 7711.5 | 7701.7 | 7728.2 | 7725.4 | 7733.8 | 7729.6 | 7647.4 |
| 60° | 8094.7 | 8291.2 | 8463.9 | 8574.0 | 8678.5 | 8751.0 | 8769.1 | 8876.4 | 8845.8 | 8912.6 | 8784.4 |
| 62.5° | 9117.5 | 9372.5 | 9634.5 | 9750.1 | 9878.3 | 10113.8 | 10169.6 | 10296.4 | 10315.9 | 10332.6 | 10264.3 |
| 65° | 10543.0 | 10877.4 | 11273.2 | 11450.2 | 11650.8 | 11953.2 | 12144.1 | 12279.3 | 12275.1 | 12183.1 | 12095.3 |
| 67.5° | 11759.5 | 12155.2 | 12518.9 | 12826.9 | 13126.5 | 13362.0 | 13562.7 | 13745.2 | 13755.0 | 13697.8 | 13547.3 |
| 69° | 11864.0 | 12277.9 | 12673.6 | 13044.3 | 13341.1 | 13603.1 | 13806.5 | 13948.6 | 13979.3 | 13929.1 | 13789.8 |
| 70° | 11670.3 | 12088.4 | 12518.9 | 12874.3 | 13210.1 | 13487.4 | 13706.2 | 13842.7 | 13884.5 | 13833.0 | 13702.0 |
| 72.5° | 10478.9 | 10884.4 | 11206.3 | 11624.3 | 12102.3 | 12276.5 | 12613.7 | 12725.2 | 12828.3 | 12760.0 | 12682.0 |
| 75° | 8208.9 | 8590.7 | 8923.8 | 9141.2 | 9359.9 | 9790.5 | 9871.3 | 10080.4 | 10151.4 | 10084.6 | 10170.9 |
| 77.5° | 4276.6 | 4534.4 | 4645.8 | 4471.6 | 4498.1 | 4838.1 | 4645.8 | 4871.6 | 5001.2 | 5038.8 | 5093.1 |
| 80° | 818.0 | 859.8 | 891.8 | 880.7 | 891.8 | 916.9 | 852.8 | 818.0 | 864.0 | 854.2 | 854.2 |
| 82.5° | 241.1 | 236.9 | 236.9 | 249.4 | 248.0 | 253.6 | 253.6 | 243.9 | 250.8 | 250.8 | 252.2 |
| 85° | 110.1 | 104.5 | 103.1 | 104.5 | 103.1 | 103.1 | 107.3 | 107.3 | 115.7 | 108.7 | 110.1 |
| 87.5° | 13.9 | 12.5 | 13.9 | 13.9 | 11.1 | 11.1 | 12.5 | 13.9 | 13.9 | 12.5 | 12.5 |
| 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: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

| | 95° | 96° | 97° | 98° | 99° | 100° | 105° | 115° | 125° | 135° | 145° |
|-------|---------|---------|---------|---------|---------|---------|--------|--------|--------|--------|--------|
| 0° | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 | 2446.9 |
| 2.5° | 2448.3 | 2446.9 | 2446.9 | 2446.9 | 2445.5 | 2444.1 | 2442.8 | 2438.6 | 2434.4 | 2433.0 | 2426.0 |
| 5° | 2474.8 | 2476.2 | 2473.4 | 2470.6 | 2470.6 | 2470.6 | 2466.4 | 2455.3 | 2446.9 | 2442.8 | 2433.0 |
| 7.5° | 2530.5 | 2527.8 | 2523.6 | 2522.2 | 2519.4 | 2520.8 | 2512.4 | 2498.5 | 2483.2 | 2473.4 | 2458.1 |
| 10° | 2604.4 | 2601.6 | 2598.8 | 2596.0 | 2591.9 | 2591.9 | 2582.1 | 2561.2 | 2537.5 | 2520.8 | 2492.9 |
| 12.5° | 2690.8 | 2688.0 | 2685.2 | 2683.8 | 2676.9 | 2675.5 | 2661.5 | 2636.4 | 2605.8 | 2573.7 | 2533.3 |
| 15° | 2770.2 | 2766.0 | 2764.6 | 2760.5 | 2756.3 | 2754.9 | 2742.4 | 2708.9 | 2671.3 | 2635.1 | 2582.1 |
| 17.5° | 2820.4 | 2817.6 | 2813.4 | 2810.6 | 2809.2 | 2807.8 | 2789.7 | 2761.9 | 2732.6 | 2696.4 | 2632.3 |
| 20° | 2837.1 | 2838.5 | 2835.7 | 2832.9 | 2828.7 | 2826.0 | 2809.2 | 2782.8 | 2777.2 | 2757.7 | 2692.2 |
| 22.5° | 2834.3 | 2834.3 | 2832.9 | 2827.4 | 2824.6 | 2817.6 | 2793.9 | 2781.4 | 2812.0 | 2820.4 | 2736.8 |
| 25° | 2823.2 | 2821.8 | 2817.6 | 2813.4 | 2805.1 | 2795.3 | 2759.1 | 2766.0 | 2852.4 | 2867.8 | 2746.5 |
| 27.5° | 2810.6 | 2809.2 | 2802.3 | 2792.5 | 2780.0 | 2766.0 | 2720.1 | 2766.0 | 2890.1 | 2877.5 | 2706.1 |
| 30° | 2803.7 | 2798.1 | 2788.3 | 2774.4 | 2757.7 | 2742.4 | 2692.2 | 2802.3 | 2916.5 | 2844.1 | 2594.6 |
| 32.5° | 2805.1 | 2795.3 | 2781.4 | 2763.3 | 2743.7 | 2725.6 | 2690.8 | 2866.4 | 2926.3 | 2763.3 | 2437.2 |
| 35° | 2838.5 | 2823.2 | 2805.1 | 2786.9 | 2767.4 | 2750.7 | 2753.5 | 2955.6 | 2924.9 | 2642.0 | 2285.3 |
| 37.5° | 2959.7 | 2933.3 | 2920.7 | 2901.2 | 2873.3 | 2859.4 | 2915.1 | 3054.5 | 2905.4 | 2494.3 | 2151.5 |
| 40° | 3227.3 | 3205.0 | 3186.9 | 3136.7 | 3146.5 | 3135.3 | 3188.3 | 3189.7 | 2880.3 | 2370.3 | 2040.0 |
| 42.5° | 3617.5 | 3617.5 | 3578.4 | 3571.5 | 3545.0 | 3557.5 | 3581.2 | 3348.5 | 2855.2 | 2296.4 | 1930.0 |
| 45° | 4077.3 | 4112.1 | 4096.8 | 4092.6 | 4113.5 | 4138.6 | 4029.9 | 3536.6 | 2856.6 | 2232.3 | 1801.8 |
| 47.5° | 4623.5 | 4652.8 | 4668.1 | 4693.2 | 4719.7 | 4704.4 | 4480.0 | 3734.5 | 2881.7 | 2140.4 | 1637.3 |
| 50° | 5204.6 | 5275.7 | 5298.0 | 5330.0 | 5353.7 | 5357.9 | 4906.4 | 3937.9 | 2908.2 | 1971.8 | 1459.0 |
| 52.5° | 5925.0 | 5991.9 | 6015.6 | 6037.9 | 6019.8 | 6004.5 | 5324.5 | 4179.0 | 2887.3 | 1771.1 | 1307.1 |
| 55° | 6772.3 | 6784.8 | 6780.6 | 6752.8 | 6737.4 | 6653.8 | 5711.8 | 4435.4 | 2724.2 | 1585.8 | 1162.2 |
| 57.5° | 7654.3 | 7659.9 | 7609.7 | 7512.2 | 7399.3 | 7319.9 | 6083.9 | 4647.2 | 2378.7 | 1436.7 | 1018.6 |
| 60° | 8790.0 | 8675.8 | 8590.7 | 8441.6 | 8257.7 | 8087.7 | 6482.4 | 4765.7 | 2048.4 | 1293.1 | 857.0 |
| 62.5° | 10161.2 | 9932.7 | 9748.7 | 9598.2 | 9326.5 | 9026.9 | 6991.0 | 4781.0 | 1847.7 | 1156.6 | 673.0 |
| 65° | 11936.5 | 11695.4 | 11381.9 | 11124.1 | 10830.1 | 10426.0 | 7811.8 | 4670.9 | 1748.8 | 997.7 | 491.9 |
| 67.5° | 13334.1 | 13090.3 | 12739.1 | 12450.7 | 12071.6 | 11600.6 | 8491.8 | 4478.6 | 1725.1 | 854.2 | 387.4 |
| 69° | 13578.0 | 13311.8 | 12995.5 | 12634.6 | 12231.9 | 11728.8 | 8518.3 | 4255.7 | 1688.9 | 799.9 | 355.3 |
| 70° | 13488.8 | 13211.5 | 12906.3 | 12523.1 | 12071.6 | 11554.7 | 8317.6 | 4007.6 | 1616.4 | 769.2 | 344.2 |
| 72.5° | 12488.3 | 12066.1 | 11759.5 | 11432.0 | 10883.0 | 10359.1 | 7161.0 | 3032.2 | 1258.3 | 648.0 | 321.9 |
| 75° | 9998.2 | 9637.2 | 9291.7 | 9128.6 | 8673.0 | 8228.4 | 5376.0 | 1925.8 | 822.1 | 402.7 | 252.2 |
| 77.5° | 5097.3 | 5031.8 | 5130.8 | 5056.9 | 4728.0 | 4728.0 | 3317.9 | 1022.8 | 483.5 | 242.5 | 192.3 |
| 80° | 915.5 | 954.5 | 936.4 | 975.4 | 907.1 | 1007.5 | 1166.3 | 687.0 | 342.8 | 185.3 | 157.5 |
| 82.5° | 256.4 | 259.2 | 256.4 | 257.8 | 266.2 | 280.1 | 606.2 | 590.8 | 264.8 | 139.3 | 122.6 |
| 85° | 119.8 | 121.2 | 124.0 | 124.0 | 135.2 | 138.0 | 406.9 | 423.6 | 154.7 | 76.6 | 82.2 |
| 87.5° | 13.9 | 18.1 | 18.1 | 16.7 | 19.5 | 19.5 | 75.2 | 85.0 | 20.9 | 15.3 | 25.1 |
| 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: P148983

CATALOG NUMBER: TLM-F06-LED-E1-RW-8030

CANDELA DISTRIBUTION (continued):

| | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|
| 0° | 2446.9 | 2446.9 | 2446.9 | 2446.9 |
| 2.5° | 2420.5 | 2414.9 | 2409.3 | 2413.5 |
| 5° | 2428.8 | 2420.5 | 2413.5 | 2417.7 |
| 7.5° | 2451.1 | 2437.2 | 2435.8 | 2435.8 |
| 10° | 2479.0 | 2459.5 | 2453.9 | 2453.9 |
| 12.5° | 2508.2 | 2481.8 | 2472.0 | 2472.0 |
| 15° | 2538.9 | 2501.3 | 2487.3 | 2483.2 |
| 17.5° | 2573.7 | 2520.8 | 2495.7 | 2495.7 |
| 20° | 2607.2 | 2523.6 | 2486.0 | 2484.6 |
| 22.5° | 2612.8 | 2491.5 | 2437.2 | 2434.4 |
| 25° | 2571.0 | 2416.3 | 2345.2 | 2331.3 |
| 27.5° | 2472.0 | 2299.2 | 2224.0 | 2221.2 |
| 30° | 2322.9 | 2145.9 | 2069.3 | 2060.9 |
| 32.5° | 2176.6 | 1988.5 | 1917.4 | 1917.4 |
| 35° | 2028.9 | 1845.0 | 1753.0 | 1743.2 |
| 37.5° | 1892.3 | 1693.1 | 1610.9 | 1609.5 |
| 40° | 1766.9 | 1560.7 | 1481.3 | 1468.7 |
| 42.5° | 1641.5 | 1421.3 | 1330.8 | 1328.0 |
| 45° | 1492.4 | 1269.5 | 1191.4 | 1184.5 |
| 47.5° | 1333.6 | 1132.9 | 1050.7 | 1049.3 |
| 50° | 1190.0 | 1006.1 | 923.9 | 923.9 |
| 52.5° | 1059.0 | 882.1 | 799.9 | 791.5 |
| 55° | 911.3 | 741.3 | 657.7 | 648.0 |
| 57.5° | 751.1 | 583.9 | 508.6 | 487.7 |
| 60° | 581.1 | 425.0 | 348.4 | 337.2 |
| 62.5° | 423.6 | 310.7 | 253.6 | 245.3 |
| 65° | 319.1 | 264.8 | 217.4 | 209.0 |
| 67.5° | 274.5 | 238.3 | 197.9 | 189.5 |
| 69° | 255.0 | 225.7 | 189.5 | 181.2 |
| 70° | 246.6 | 217.4 | 182.5 | 175.6 |
| 72.5° | 227.1 | 199.3 | 167.2 | 164.4 |
| 75° | 207.6 | 181.2 | 150.5 | 146.3 |
| 77.5° | 200.7 | 157.5 | 129.6 | 126.8 |
| 80° | 204.8 | 128.2 | 105.9 | 103.1 |
| 82.5° | 167.2 | 103.1 | 82.2 | 78.0 |
| 85° | 104.5 | 69.7 | 43.2 | 43.2 |
| 87.5° | 26.5 | 22.3 | 12.5 | 12.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)