

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P152516

Luminaire Tested: **TMU-F05-LED-E-U-SL4-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152516
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-F05-LED-E-U-SL4-7050
Description: TALON MEDIUM LED AREA LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (35) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12511.8 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type IV - Short - Full Cutoff
BUG Rating: B2 - U0 - G2

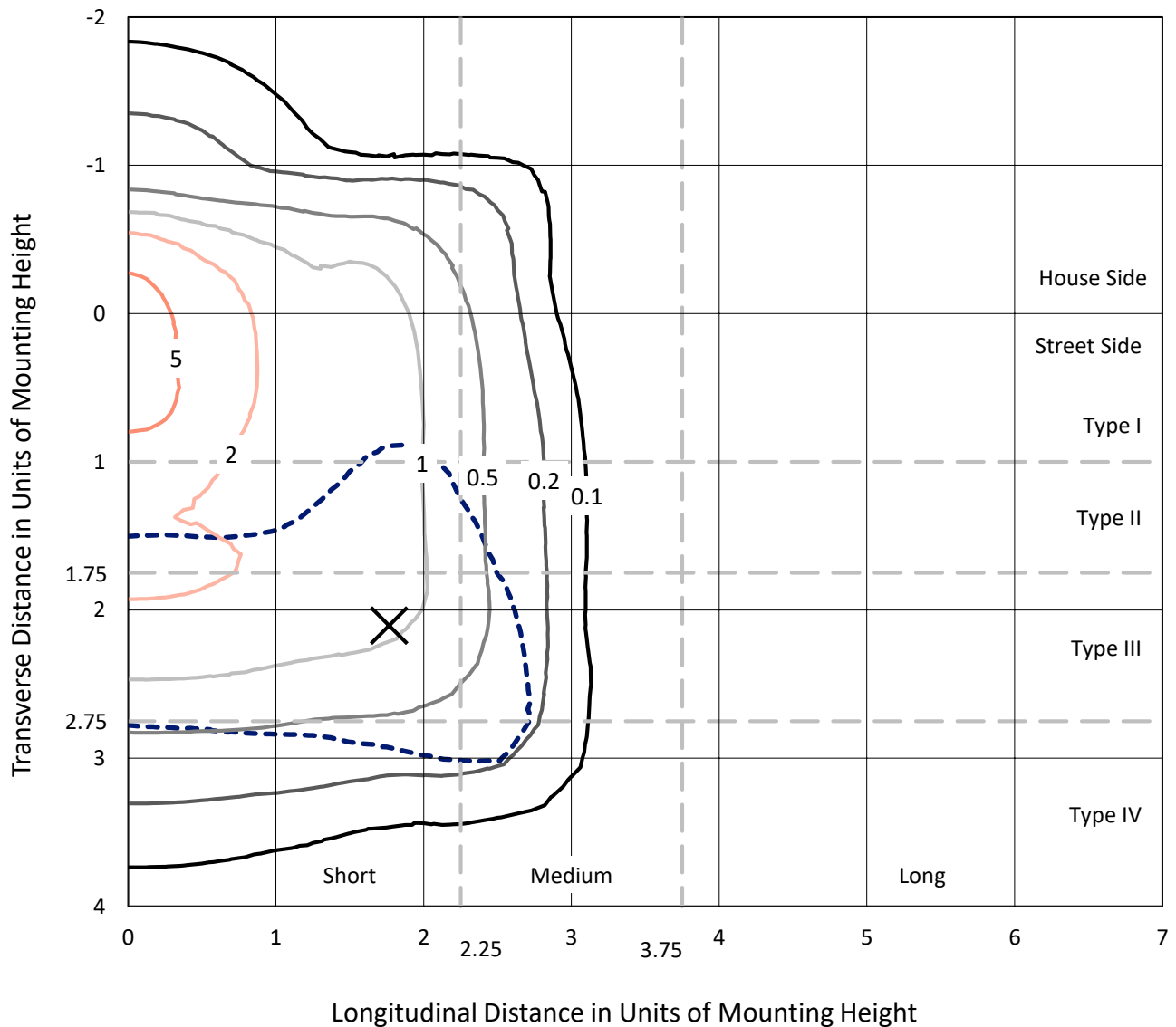
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P152516
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Iso-Footcandle Lines of Horizontal Illumination

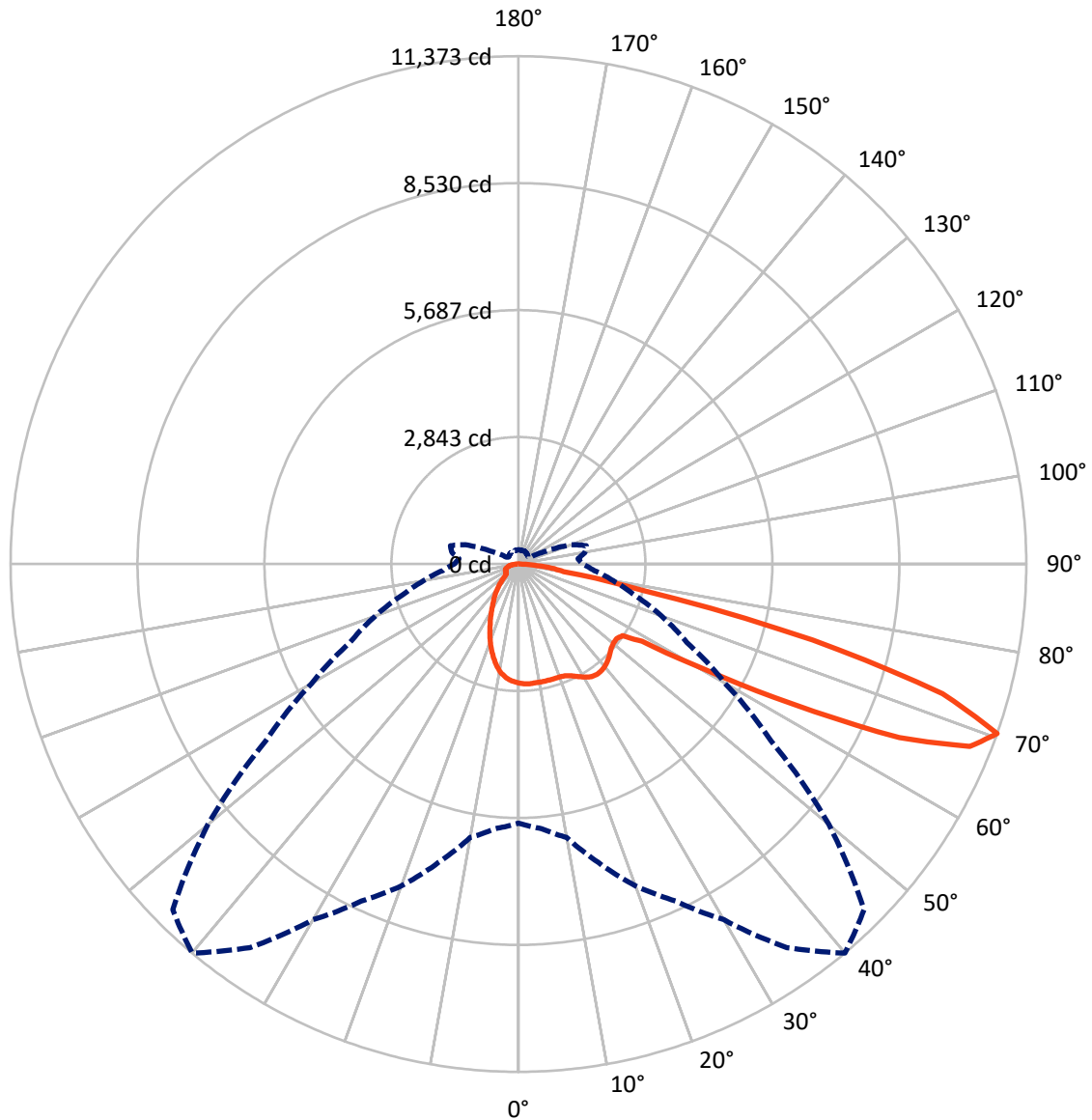
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.7 fc
 Type IV - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2597.3 | 0.0 | 2597.3 |
| | % Fixture | 20.8 | 0.0 | 20.8 |
| Street Side | Lumens | 9914.5 | 0.0 | 9914.5 |
| | % Fixture | 79.2 | 0.0 | 79.2 |
| Total | Lumens | 12511.8 | 0.0 | 12511.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 249.4 | 2.0 |
| 10°-20° | 682.8 | 5.5 |
| 20°-30° | 1010.7 | 8.1 |
| 30°-40° | 1277.3 | 10.2 |
| 40°-50° | 1444.6 | 11.5 |
| 50°-60° | 2055.6 | 16.4 |
| 60°-70° | 3828.5 | 30.6 |
| 70°-80° | 1754.6 | 14.0 |
| 80°-90° | 208.3 | 1.7 |
| 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°-90° | 12511.8 | 100.0 |
| 0°-180° | 12511.8 | 100.0 |

Coefficient of Utilization



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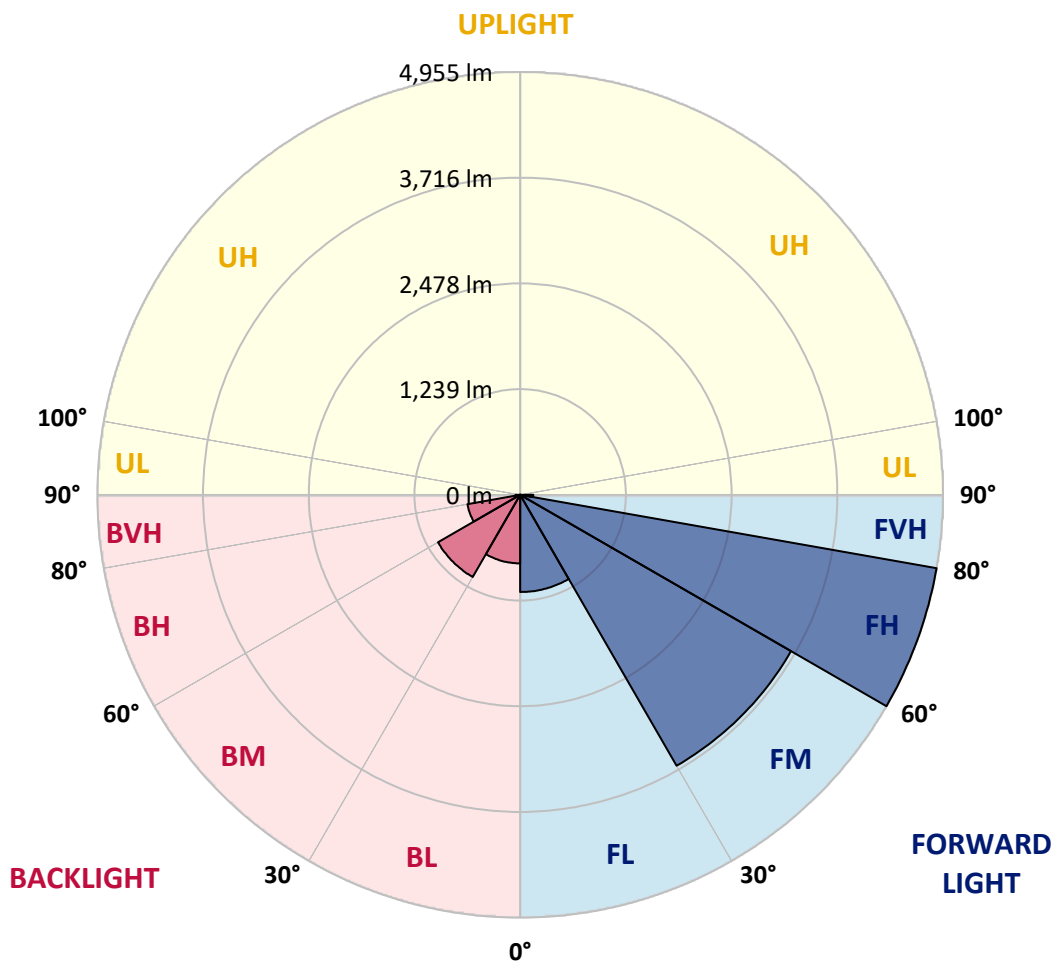
CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1139.3 | 9.1 | | | |
| FM | (30°-60°) | 3665.5 | 29.3 | | | |
| FH | (60°-80°) | 4955.2 | 39.6 | | | G2/5000 |
| FVH | (80°-90°) | 154.5 | 1.2 | | | G2/225 |
| BL | (0°-30°) | 803.6 | 6.4 | B2/1000 | | |
| BM | (30°-60°) | 1112.0 | 8.9 | B2/2500 | | |
| BH | (60°-80°) | 627.9 | 5.0 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 53.8 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Short





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CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|
| 0° | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 |
| 2.5° | 2710.6 | 2717.7 | 2709.2 | 2707.8 | 2707.8 | 2706.4 | 2697.9 | 2696.5 | 2685.2 | 2686.6 | 2689.5 |
| 5° | 2730.4 | 2733.2 | 2727.6 | 2726.2 | 2723.3 | 2717.7 | 2710.6 | 2702.2 | 2693.7 | 2685.2 | 2678.2 |
| 7.5° | 2750.2 | 2747.3 | 2743.1 | 2743.1 | 2738.9 | 2730.4 | 2716.3 | 2705.0 | 2686.6 | 2676.8 | 2664.1 |
| 10° | 2778.4 | 2774.2 | 2768.5 | 2765.7 | 2758.6 | 2745.9 | 2726.2 | 2710.6 | 2688.1 | 2668.3 | 2647.1 |
| 12.5° | 2805.2 | 2803.8 | 2795.3 | 2791.1 | 2779.8 | 2767.1 | 2743.1 | 2719.1 | 2689.5 | 2658.4 | 2630.2 |
| 15° | 2853.2 | 2847.6 | 2839.1 | 2830.6 | 2812.3 | 2795.3 | 2758.6 | 2730.4 | 2688.1 | 2647.1 | 2603.3 |
| 17.5° | 2936.5 | 2926.6 | 2918.2 | 2899.8 | 2877.2 | 2847.6 | 2793.9 | 2745.9 | 2688.1 | 2628.8 | 2579.3 |
| 20° | 3089.0 | 3067.8 | 3056.5 | 3032.5 | 2993.0 | 2939.4 | 2856.1 | 2778.4 | 2692.3 | 2616.1 | 2549.7 |
| 22.5° | 3261.2 | 3247.1 | 3231.6 | 3216.1 | 3153.9 | 3076.3 | 2963.4 | 2847.6 | 2717.7 | 2610.4 | 2525.7 |
| 25° | 3454.7 | 3436.3 | 3427.8 | 3401.0 | 3343.1 | 3254.2 | 3100.3 | 2939.4 | 2775.6 | 2633.0 | 2525.7 |
| 27.5° | 3626.9 | 3621.2 | 3619.8 | 3588.8 | 3533.7 | 3429.2 | 3247.1 | 3053.7 | 2854.6 | 2679.6 | 2546.9 |
| 30° | 3783.6 | 3778.0 | 3775.1 | 3758.2 | 3694.7 | 3570.4 | 3372.8 | 3155.4 | 2940.8 | 2744.5 | 2586.4 |
| 32.5° | 3950.2 | 3931.8 | 3923.4 | 3890.9 | 3818.9 | 3673.5 | 3447.6 | 3221.7 | 3008.5 | 2808.1 | 2630.2 |
| 35° | 4085.7 | 4070.2 | 4053.3 | 4006.7 | 3905.0 | 3732.8 | 3480.1 | 3244.3 | 3035.4 | 2843.4 | 2652.8 |
| 37.5° | 4184.6 | 4169.0 | 4145.0 | 4085.7 | 3960.1 | 3752.5 | 3478.7 | 3237.2 | 3025.5 | 2837.7 | 2657.0 |
| 40° | 4228.3 | 4212.8 | 4187.4 | 4112.6 | 3970.0 | 3741.3 | 3451.8 | 3204.8 | 2995.8 | 2808.1 | 2640.1 |
| 42.5° | 4211.4 | 4200.1 | 4167.6 | 4095.6 | 3938.9 | 3690.4 | 3398.2 | 3144.1 | 2939.4 | 2760.1 | 2601.9 |
| 45° | 4146.4 | 4138.0 | 4106.9 | 4030.7 | 3868.3 | 3608.5 | 3319.1 | 3067.8 | 2871.6 | 2700.8 | 2551.1 |
| 47.5° | 4049.0 | 4046.2 | 4015.1 | 3940.3 | 3779.4 | 3526.7 | 3237.2 | 2993.0 | 2803.8 | 2642.9 | 2508.8 |
| 50° | 3941.7 | 3927.6 | 3912.1 | 3842.9 | 3696.1 | 3456.1 | 3177.9 | 2946.4 | 2765.7 | 2621.7 | 2490.4 |
| 52.5° | 3874.0 | 3869.7 | 3855.6 | 3793.5 | 3652.3 | 3415.1 | 3151.1 | 2929.5 | 2762.9 | 2617.5 | 2480.5 |
| 55° | 4475.4 | 4485.3 | 4355.4 | 4085.7 | 3848.5 | 3528.1 | 3231.6 | 3015.6 | 2832.1 | 2685.2 | 2585.0 |
| 57.5° | 6619.9 | 6576.1 | 6353.1 | 5818.0 | 5213.8 | 4416.1 | 3841.5 | 3492.8 | 3265.5 | 3290.9 | 3341.7 |
| 60° | 7712.6 | 7704.2 | 7663.2 | 7455.7 | 7053.3 | 6446.2 | 5772.8 | 5000.6 | 4754.9 | 4781.7 | 4801.5 |
| 62.5° | 8201.1 | 8213.8 | 8244.9 | 8167.2 | 8061.3 | 7884.9 | 7548.9 | 7238.3 | 6909.3 | 6786.5 | 6457.5 |
| 65° | 8427.0 | 8449.6 | 8520.2 | 8563.9 | 8604.9 | 8635.9 | 8768.6 | 9132.9 | 9372.9 | 8923.9 | 7879.2 |
| 67.5° | 7959.7 | 8068.4 | 8301.3 | 8528.6 | 8731.9 | 9021.4 | 9470.3 | 10316.0 | 10904.7 | 10352.7 | 8837.8 |
| 70° | 5802.5 | 5950.7 | 6217.5 | 6920.6 | 7671.7 | 8328.2 | 9197.8 | 10485.4 | 11373.4 | 10947.0 | 9075.0 |
| 72.5° | 3638.2 | 3679.1 | 3797.7 | 4056.1 | 4613.7 | 5456.6 | 6977.1 | 8908.4 | 9933.4 | 9593.1 | 7670.3 |
| 75° | 2308.3 | 2322.4 | 2318.2 | 2377.5 | 2472.0 | 2655.6 | 3257.0 | 5261.8 | 6804.8 | 6274.0 | 4274.9 |
| 77.5° | 1375.1 | 1396.3 | 1404.7 | 1423.1 | 1468.3 | 1533.2 | 1582.6 | 1790.2 | 2853.2 | 2769.9 | 1551.6 |
| 80° | 1152.0 | 1169.0 | 1154.8 | 1150.6 | 1122.4 | 1102.6 | 1126.6 | 1102.6 | 1023.5 | 985.4 | 907.8 |
| 82.5° | 609.9 | 608.5 | 604.2 | 645.2 | 728.5 | 793.4 | 842.8 | 831.5 | 752.5 | 641.0 | 543.5 |
| 85° | 334.6 | 345.9 | 345.9 | 360.0 | 347.3 | 348.7 | 360.0 | 379.8 | 351.5 | 293.7 | 240.0 |
| 87.5° | 28.2 | 43.8 | 35.3 | 43.8 | 59.3 | 42.4 | 40.9 | 40.9 | 35.3 | 25.4 | 22.6 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P152516

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7050

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° | 105° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 |
| 2.5° | 2682.4 | 2679.6 | 2673.9 | 2669.7 | 2669.7 | 2662.6 | 2658.4 | 2655.6 | 2654.2 | 2648.5 | 2648.5 |
| 5° | 2673.9 | 2664.1 | 2654.2 | 2647.1 | 2642.9 | 2635.8 | 2624.5 | 2618.9 | 2611.8 | 2606.2 | 2603.3 |
| 7.5° | 2655.6 | 2637.2 | 2621.7 | 2610.4 | 2596.3 | 2585.0 | 2570.9 | 2558.2 | 2545.5 | 2539.8 | 2537.0 |
| 10° | 2627.3 | 2603.3 | 2579.3 | 2558.2 | 2538.4 | 2518.6 | 2500.3 | 2481.9 | 2466.4 | 2455.1 | 2443.8 |
| 12.5° | 2600.5 | 2563.8 | 2532.8 | 2501.7 | 2470.6 | 2446.6 | 2421.2 | 2394.4 | 2371.8 | 2350.6 | 2345.0 |
| 15° | 2563.8 | 2521.5 | 2481.9 | 2443.8 | 2405.7 | 2366.2 | 2335.1 | 2305.5 | 2268.8 | 2244.8 | 2226.4 |
| 17.5° | 2529.9 | 2479.1 | 2431.1 | 2385.9 | 2339.3 | 2298.4 | 2251.8 | 2212.3 | 2175.6 | 2138.9 | 2112.0 |
| 20° | 2493.2 | 2438.2 | 2387.3 | 2336.5 | 2285.7 | 2233.5 | 2179.8 | 2129.0 | 2083.8 | 2040.0 | 1996.3 |
| 22.5° | 2460.8 | 2404.3 | 2354.9 | 2299.8 | 2243.3 | 2184.0 | 2121.9 | 2058.4 | 2006.2 | 1949.7 | 1898.9 |
| 25° | 2441.0 | 2378.9 | 2328.0 | 2274.4 | 2212.3 | 2147.3 | 2076.7 | 2001.9 | 1938.4 | 1873.4 | 1812.7 |
| 27.5° | 2441.0 | 2360.5 | 2308.3 | 2254.6 | 2191.1 | 2121.9 | 2044.3 | 1962.4 | 1890.4 | 1818.4 | 1743.6 |
| 30° | 2462.2 | 2363.3 | 2292.8 | 2236.3 | 2171.3 | 2096.5 | 2010.4 | 1924.3 | 1845.2 | 1760.5 | 1688.5 |
| 32.5° | 2481.9 | 2369.0 | 2281.5 | 2209.5 | 2134.6 | 2061.2 | 1973.7 | 1881.9 | 1794.4 | 1713.9 | 1637.7 |
| 35° | 2494.6 | 2369.0 | 2260.3 | 2168.5 | 2083.8 | 2011.8 | 1925.7 | 1833.9 | 1745.0 | 1665.9 | 1595.3 |
| 37.5° | 2496.0 | 2357.7 | 2226.4 | 2121.9 | 2033.0 | 1958.2 | 1876.3 | 1790.2 | 1705.4 | 1632.0 | 1572.7 |
| 40° | 2481.9 | 2335.1 | 2192.5 | 2072.5 | 1979.3 | 1903.1 | 1828.3 | 1750.6 | 1674.4 | 1613.7 | 1562.9 |
| 42.5° | 2456.5 | 2311.1 | 2160.0 | 2033.0 | 1935.6 | 1856.5 | 1787.3 | 1721.0 | 1654.6 | 1602.4 | 1560.0 |
| 45° | 2418.4 | 2278.6 | 2130.4 | 2009.0 | 1913.0 | 1829.7 | 1761.9 | 1706.9 | 1650.4 | 1606.6 | 1564.3 |
| 47.5° | 2384.5 | 2267.3 | 2140.3 | 2024.5 | 1924.3 | 1838.2 | 1769.0 | 1722.4 | 1678.6 | 1649.0 | 1591.1 |
| 50° | 2377.5 | 2261.7 | 2144.5 | 2037.2 | 1935.6 | 1848.0 | 1787.3 | 1763.3 | 1750.6 | 1732.3 | 1643.3 |
| 52.5° | 2357.7 | 2260.3 | 2175.6 | 2116.3 | 2051.3 | 2010.4 | 1946.9 | 1969.5 | 1955.3 | 1890.4 | 1729.4 |
| 55° | 2565.2 | 2593.5 | 2672.5 | 2785.5 | 2889.9 | 2913.9 | 2906.9 | 2880.1 | 2737.5 | 2354.9 | 1937.0 |
| 57.5° | 3526.7 | 3686.2 | 3835.8 | 3902.2 | 3893.7 | 3818.9 | 3765.3 | 3656.5 | 3450.4 | 2984.5 | 2346.4 |
| 60° | 4862.2 | 4887.6 | 4808.6 | 4691.4 | 4493.7 | 4328.6 | 4152.1 | 3948.8 | 3649.5 | 3193.5 | 2597.7 |
| 62.5° | 6091.9 | 5750.2 | 5398.7 | 5068.3 | 4767.6 | 4505.0 | 4259.4 | 3975.6 | 3586.0 | 3110.2 | 2565.2 |
| 65° | 6960.1 | 6237.3 | 5682.5 | 5208.1 | 4783.2 | 4416.1 | 4109.7 | 3741.3 | 3302.2 | 2873.0 | 2377.5 |
| 67.5° | 7407.7 | 6299.4 | 5448.1 | 4787.4 | 4184.6 | 3676.3 | 3268.3 | 2909.7 | 2583.6 | 2395.8 | 2081.0 |
| 70° | 6907.9 | 5346.5 | 4160.6 | 3413.7 | 2692.3 | 2158.6 | 1705.4 | 1431.6 | 1337.0 | 1514.9 | 1575.6 |
| 72.5° | 5147.4 | 3480.1 | 2474.9 | 1914.4 | 1466.9 | 1169.0 | 896.5 | 704.5 | 573.2 | 601.4 | 780.7 |
| 75° | 2433.9 | 1502.1 | 1061.7 | 807.5 | 642.4 | 532.2 | 434.8 | 398.1 | 333.2 | 276.7 | 259.8 |
| 77.5° | 947.3 | 690.4 | 570.4 | 417.9 | 296.5 | 238.6 | 203.3 | 196.2 | 200.5 | 194.8 | 192.0 |
| 80° | 721.4 | 488.5 | 306.4 | 224.5 | 193.4 | 170.8 | 151.1 | 145.4 | 148.2 | 155.3 | 162.4 |
| 82.5° | 402.4 | 251.3 | 186.4 | 162.4 | 145.4 | 124.2 | 112.9 | 104.5 | 105.9 | 114.4 | 129.9 |
| 85° | 155.3 | 121.4 | 111.5 | 107.3 | 100.2 | 80.5 | 69.2 | 70.6 | 80.5 | 96.0 | 96.0 |
| 87.5° | 16.9 | 16.9 | 22.6 | 16.9 | 16.9 | 16.9 | 15.5 | 18.4 | 19.8 | 25.4 | 29.6 |
| 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: TMU-F05-LED-E-U-SL4-7050

CANDELA DISTRIBUTION (continued):

| | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | 160° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 | 2669.7 |
| 2.5° | 2645.7 | 2645.7 | 2645.7 | 2642.9 | 2644.3 | 2638.6 | 2638.6 | 2634.4 | 2641.5 | 2637.2 | 2635.8 |
| 5° | 2604.8 | 2603.3 | 2597.7 | 2597.7 | 2597.7 | 2597.7 | 2601.9 | 2590.6 | 2599.1 | 2599.1 | 2594.9 |
| 7.5° | 2535.6 | 2535.6 | 2520.0 | 2528.5 | 2525.7 | 2529.9 | 2535.6 | 2529.9 | 2538.4 | 2544.1 | 2539.8 |
| 10° | 2439.6 | 2439.6 | 2426.9 | 2436.8 | 2432.5 | 2442.4 | 2452.3 | 2446.6 | 2452.3 | 2460.8 | 2463.6 |
| 12.5° | 2333.7 | 2328.0 | 2316.8 | 2321.0 | 2321.0 | 2326.6 | 2330.9 | 2337.9 | 2345.0 | 2356.3 | 2361.9 |
| 15° | 2210.9 | 2202.4 | 2188.3 | 2188.3 | 2179.8 | 2182.6 | 2191.1 | 2193.9 | 2208.0 | 2223.6 | 2241.9 |
| 17.5° | 2085.2 | 2064.0 | 2048.5 | 2030.2 | 2016.0 | 2027.3 | 2037.2 | 2044.3 | 2055.6 | 2079.6 | 2092.3 |
| 20° | 1966.6 | 1924.3 | 1894.6 | 1870.6 | 1855.1 | 1862.2 | 1874.9 | 1883.3 | 1893.2 | 1898.9 | 1903.1 |
| 22.5° | 1849.4 | 1801.4 | 1760.5 | 1730.9 | 1705.4 | 1712.5 | 1706.9 | 1702.6 | 1709.7 | 1691.3 | 1689.9 |
| 25° | 1747.8 | 1691.3 | 1636.3 | 1601.0 | 1569.9 | 1560.0 | 1530.4 | 1523.3 | 1503.6 | 1488.0 | 1476.7 |
| 27.5° | 1674.4 | 1601.0 | 1540.3 | 1499.3 | 1449.9 | 1413.2 | 1375.1 | 1337.0 | 1315.8 | 1290.4 | 1277.7 |
| 30° | 1616.5 | 1538.9 | 1466.9 | 1397.7 | 1332.7 | 1276.3 | 1225.4 | 1176.0 | 1142.1 | 1105.4 | 1081.4 |
| 32.5° | 1562.9 | 1490.9 | 1403.3 | 1308.7 | 1221.2 | 1157.7 | 1091.3 | 1034.8 | 981.2 | 933.2 | 897.9 |
| 35° | 1526.1 | 1445.7 | 1334.1 | 1218.4 | 1119.6 | 1044.7 | 974.1 | 893.7 | 828.7 | 766.6 | 728.5 |
| 37.5° | 1506.4 | 1407.6 | 1270.6 | 1142.1 | 1032.0 | 947.3 | 859.8 | 766.6 | 687.5 | 629.7 | 571.8 |
| 40° | 1490.9 | 1369.4 | 1214.1 | 1074.4 | 958.6 | 857.0 | 755.3 | 645.2 | 557.7 | 497.0 | 451.8 |
| 42.5° | 1473.9 | 1327.1 | 1164.7 | 1020.7 | 892.3 | 773.7 | 650.8 | 533.7 | 450.4 | 408.0 | 388.2 |
| 45° | 1455.6 | 1290.4 | 1118.1 | 969.9 | 827.3 | 683.3 | 542.1 | 433.4 | 384.0 | 369.9 | 369.9 |
| 47.5° | 1451.3 | 1266.4 | 1084.3 | 920.5 | 753.9 | 578.8 | 441.9 | 374.1 | 360.0 | 362.8 | 368.5 |
| 50° | 1468.3 | 1259.3 | 1054.6 | 862.6 | 656.5 | 468.7 | 374.1 | 351.5 | 354.4 | 362.8 | 371.3 |
| 52.5° | 1509.2 | 1265.0 | 1023.5 | 782.1 | 540.7 | 386.8 | 345.9 | 344.5 | 352.9 | 365.7 | 374.1 |
| 55° | 1578.4 | 1265.0 | 964.3 | 662.1 | 432.0 | 347.3 | 336.0 | 341.7 | 352.9 | 364.2 | 371.3 |
| 57.5° | 1726.6 | 1252.3 | 859.8 | 529.4 | 361.4 | 333.2 | 333.2 | 340.2 | 350.1 | 361.4 | 367.1 |
| 60° | 1903.1 | 1235.3 | 713.0 | 409.4 | 326.1 | 321.9 | 331.8 | 340.2 | 348.7 | 358.6 | 364.2 |
| 62.5° | 1914.4 | 1191.6 | 564.7 | 338.8 | 307.8 | 314.8 | 330.4 | 341.7 | 344.5 | 351.5 | 358.6 |
| 65° | 1759.1 | 1039.1 | 449.0 | 303.5 | 299.3 | 310.6 | 326.1 | 334.6 | 336.0 | 338.8 | 345.9 |
| 67.5° | 1540.3 | 847.1 | 362.8 | 286.6 | 290.8 | 303.5 | 312.0 | 319.1 | 323.3 | 330.4 | 331.8 |
| 70° | 1265.0 | 680.5 | 310.6 | 269.7 | 273.9 | 288.0 | 295.1 | 302.1 | 310.6 | 319.1 | 314.8 |
| 72.5° | 896.5 | 529.4 | 272.5 | 251.3 | 256.9 | 269.7 | 278.1 | 283.8 | 290.8 | 299.3 | 293.7 |
| 75° | 381.2 | 369.9 | 235.8 | 227.3 | 235.8 | 244.2 | 252.7 | 261.2 | 268.2 | 272.5 | 272.5 |
| 77.5° | 194.8 | 217.4 | 203.3 | 203.3 | 208.9 | 217.4 | 224.5 | 232.9 | 237.2 | 241.4 | 247.1 |
| 80° | 165.2 | 168.0 | 170.8 | 176.5 | 182.1 | 190.6 | 197.7 | 204.7 | 206.1 | 207.5 | 210.4 |
| 82.5° | 136.9 | 142.6 | 145.4 | 153.9 | 158.1 | 160.9 | 165.2 | 165.2 | 168.0 | 168.0 | 163.8 |
| 85° | 98.8 | 105.9 | 110.1 | 111.5 | 110.1 | 111.5 | 112.9 | 115.8 | 122.8 | 122.8 | 117.2 |
| 87.5° | 28.2 | 26.8 | 33.9 | 35.3 | 38.1 | 43.8 | 49.4 | 59.3 | 62.1 | 64.9 | 64.9 |
| 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):

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|-------|--------|--------|--------|--------|
| 0° | 2669.7 | 2669.7 | 2669.7 | 2669.7 |
| 2.5° | 2634.4 | 2637.2 | 2631.6 | 2633.0 |
| 5° | 2594.9 | 2600.5 | 2593.5 | 2601.9 |
| 7.5° | 2544.1 | 2552.5 | 2551.1 | 2549.7 |
| 10° | 2470.6 | 2481.9 | 2481.9 | 2486.2 |
| 12.5° | 2377.5 | 2384.5 | 2390.2 | 2393.0 |
| 15° | 2251.8 | 2264.5 | 2271.6 | 2271.6 |
| 17.5° | 2100.7 | 2109.2 | 2113.5 | 2107.8 |
| 20° | 1908.7 | 1905.9 | 1907.3 | 1893.2 |
| 22.5° | 1687.1 | 1691.3 | 1678.6 | 1681.4 |
| 25° | 1469.7 | 1462.6 | 1468.3 | 1459.8 |
| 27.5° | 1259.3 | 1260.7 | 1245.2 | 1252.3 |
| 30° | 1058.8 | 1051.8 | 1032.0 | 1041.9 |
| 32.5° | 865.4 | 847.1 | 825.9 | 813.2 |
| 35° | 683.3 | 655.1 | 645.2 | 641.0 |
| 37.5° | 536.5 | 505.4 | 495.5 | 484.2 |
| 40° | 426.4 | 415.1 | 410.8 | 413.7 |
| 42.5° | 382.6 | 382.6 | 385.4 | 386.8 |
| 45° | 371.3 | 375.5 | 379.8 | 381.2 |
| 47.5° | 372.7 | 376.9 | 382.6 | 384.0 |
| 50° | 375.5 | 379.8 | 384.0 | 385.4 |
| 52.5° | 376.9 | 376.9 | 379.8 | 381.2 |
| 55° | 374.1 | 372.7 | 374.1 | 375.5 |
| 57.5° | 368.5 | 365.7 | 367.1 | 371.3 |
| 60° | 365.7 | 361.4 | 364.2 | 367.1 |
| 62.5° | 358.6 | 357.2 | 360.0 | 361.4 |
| 65° | 343.1 | 344.5 | 348.7 | 348.7 |
| 67.5° | 328.9 | 330.4 | 331.8 | 333.2 |
| 70° | 312.0 | 313.4 | 316.2 | 317.7 |
| 72.5° | 292.2 | 297.9 | 302.1 | 307.8 |
| 75° | 276.7 | 282.4 | 290.8 | 296.5 |
| 77.5° | 249.9 | 254.1 | 264.0 | 271.1 |
| 80° | 211.8 | 210.4 | 211.8 | 216.0 |
| 82.5° | 162.4 | 162.4 | 160.9 | 159.5 |
| 85° | 114.4 | 112.9 | 108.7 | 108.7 |
| 87.5° | 62.1 | 60.7 | 59.3 | 56.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)