

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: P152517

Luminaire Tested: **TMU-F05-LED-E-U-SL4-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152517  
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-SL4-7060  
Description: TALON MEDIUM LED AREA LUMINAIRE  
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (35) 5700K 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 (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: 28.75 FT

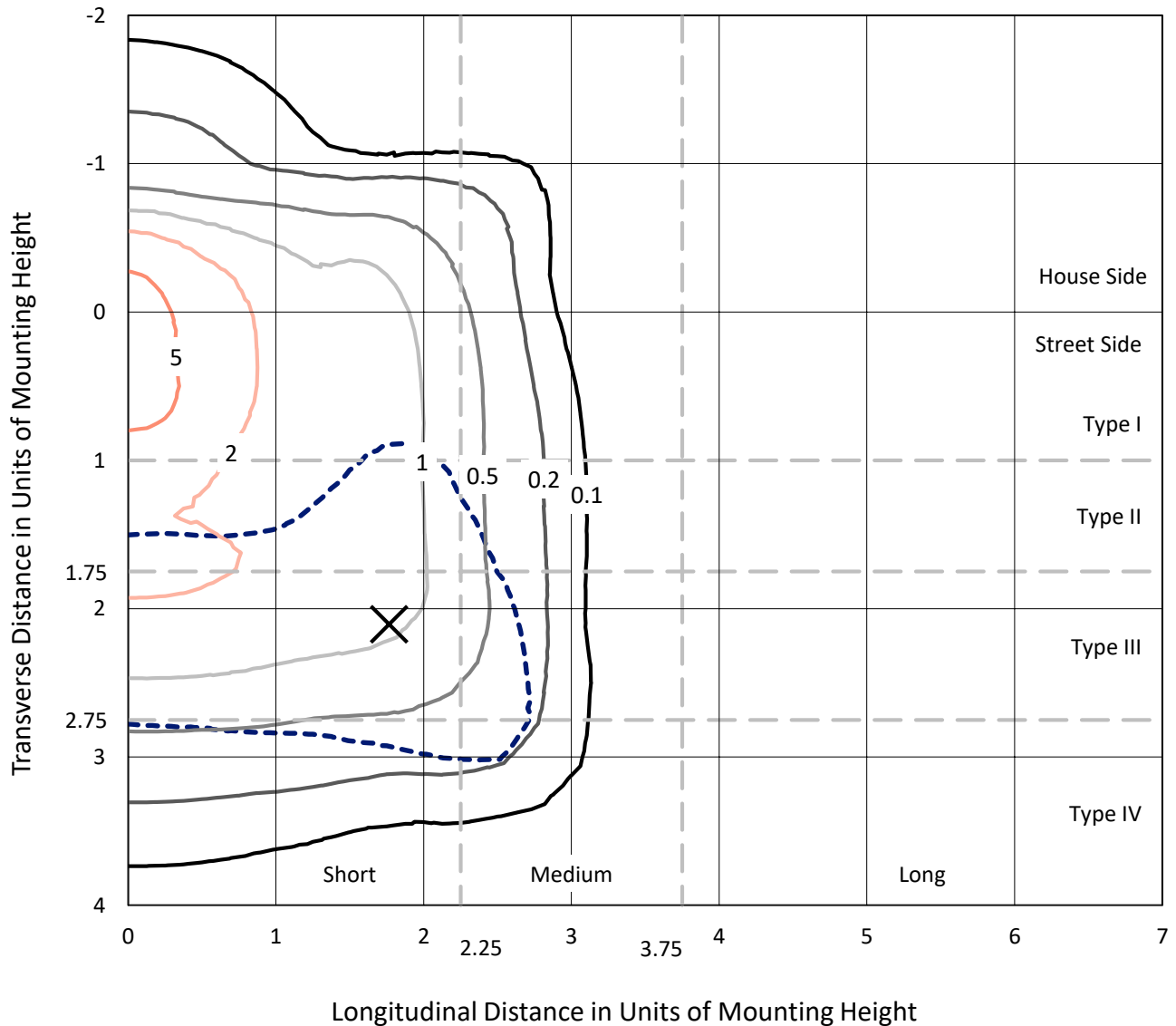


REPORT NUMBER: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

### Iso-Footcandle Lines of Horizontal Illumination

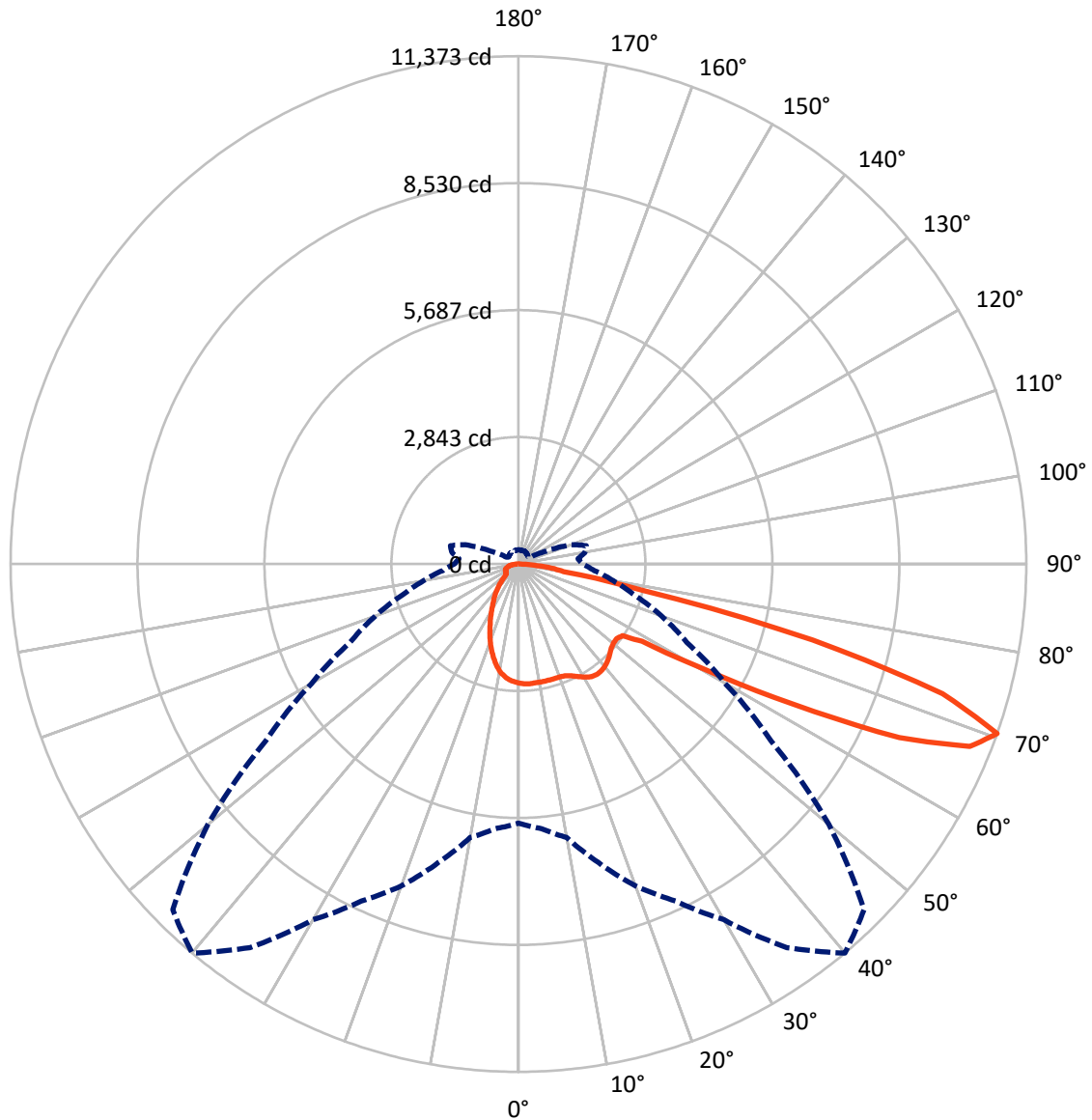
✕ Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P152517  
CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

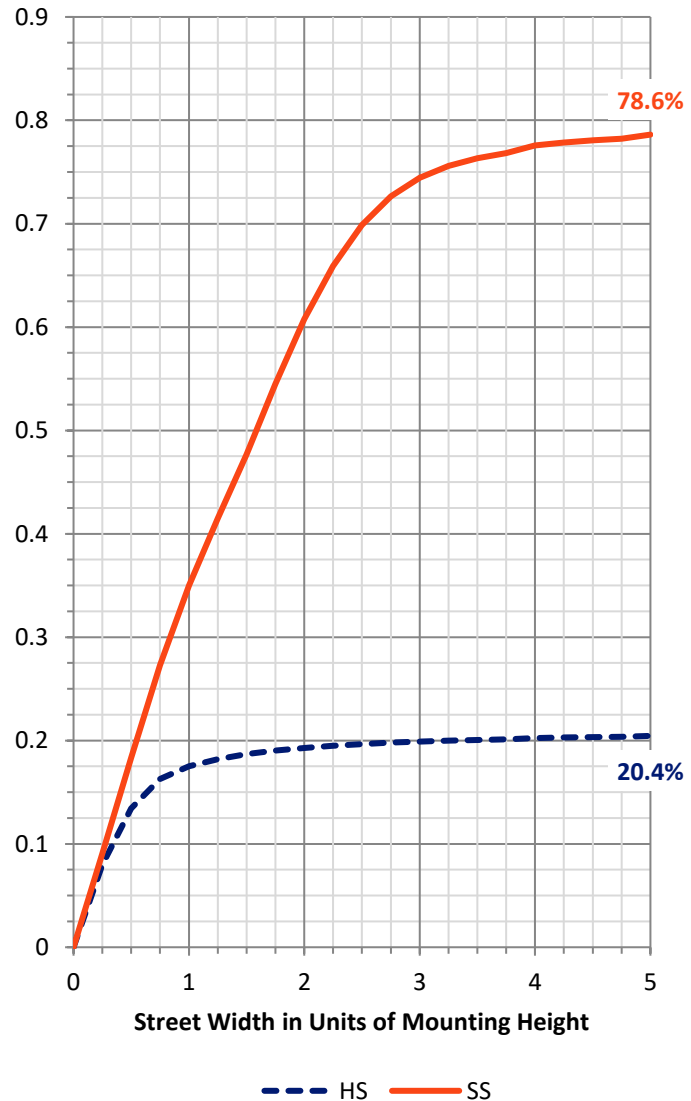
**FLUX DISTRIBUTION:**

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

**Coefficient of Utilization**

**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     |



REPORT NUMBER: P152517

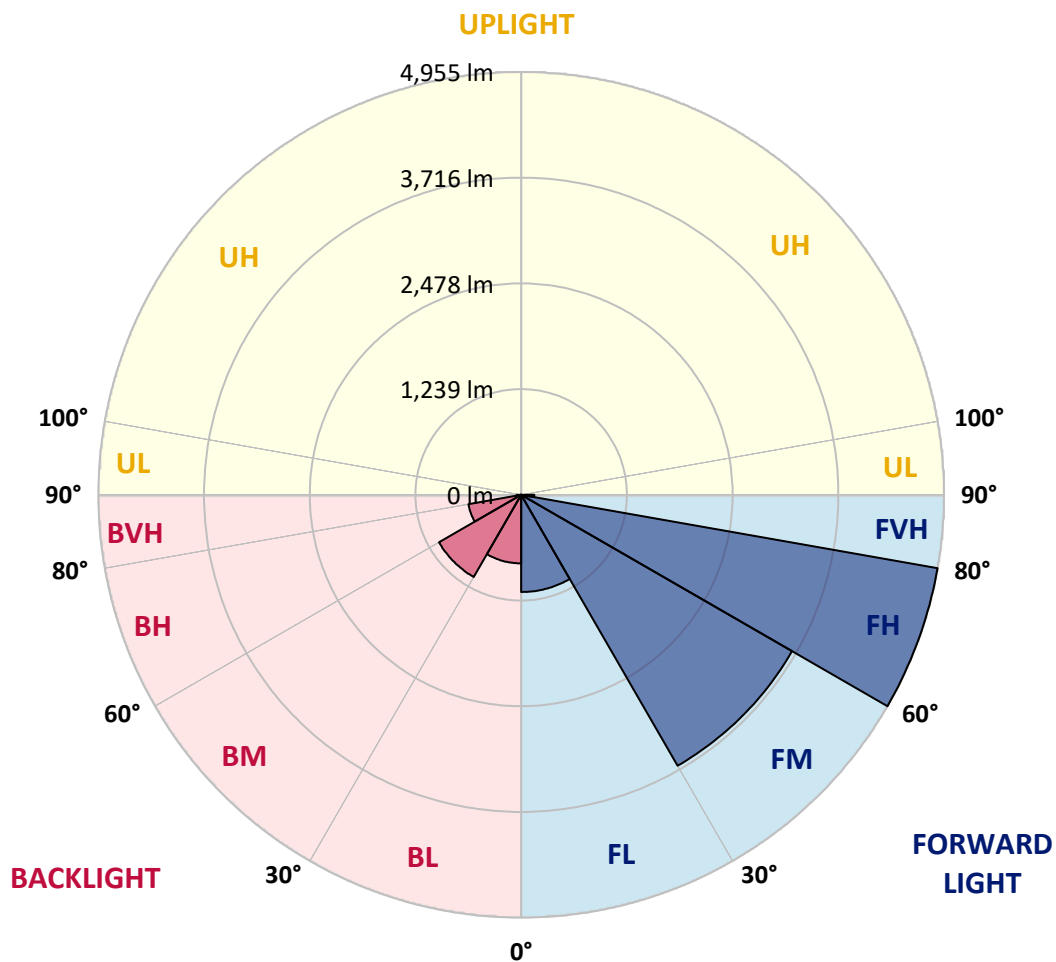
CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

**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





REPORT NUMBER: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

**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: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

**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    |





REPORT NUMBER: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

**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    |



REPORT NUMBER: P152517

CATALOG NUMBER: TMU-F05-LED-E-U-SL4-7060

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 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)