

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: P151379

Luminaire Tested: **TMU-E06-LED-E-U-SL3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P151379  
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: STREETWORKS  
Catalog Number: TMU-E06-LED-E-U-SL3-7030  
Description: TALON MEDIUM LED AREA LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (126) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16638.5 lumens  
Efficiency: N/A  
Efficacy: 110.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 150.5  
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: 28.75 FT

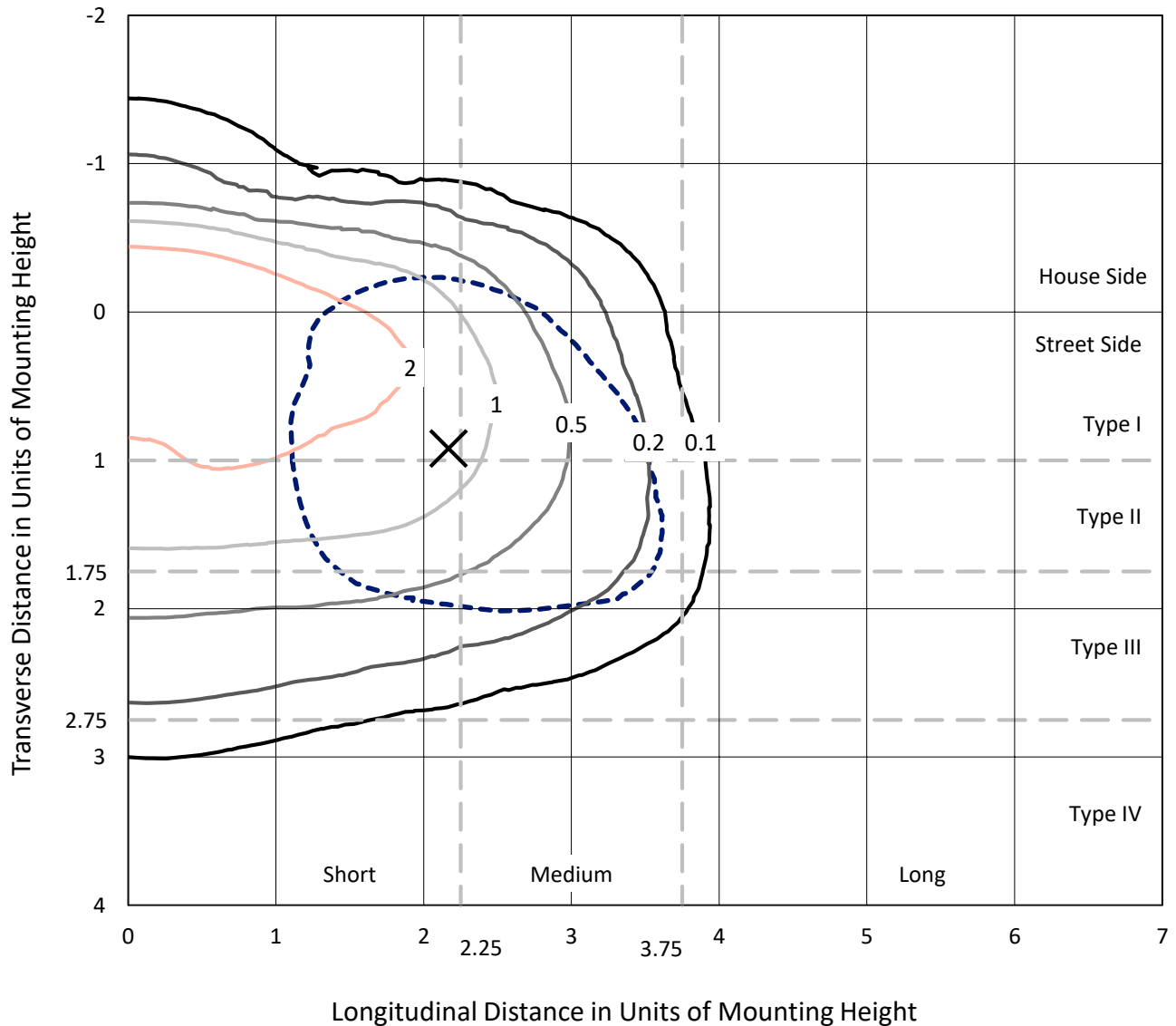


REPORT NUMBER: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

### Iso-Footcandle Lines of Horizontal Illumination

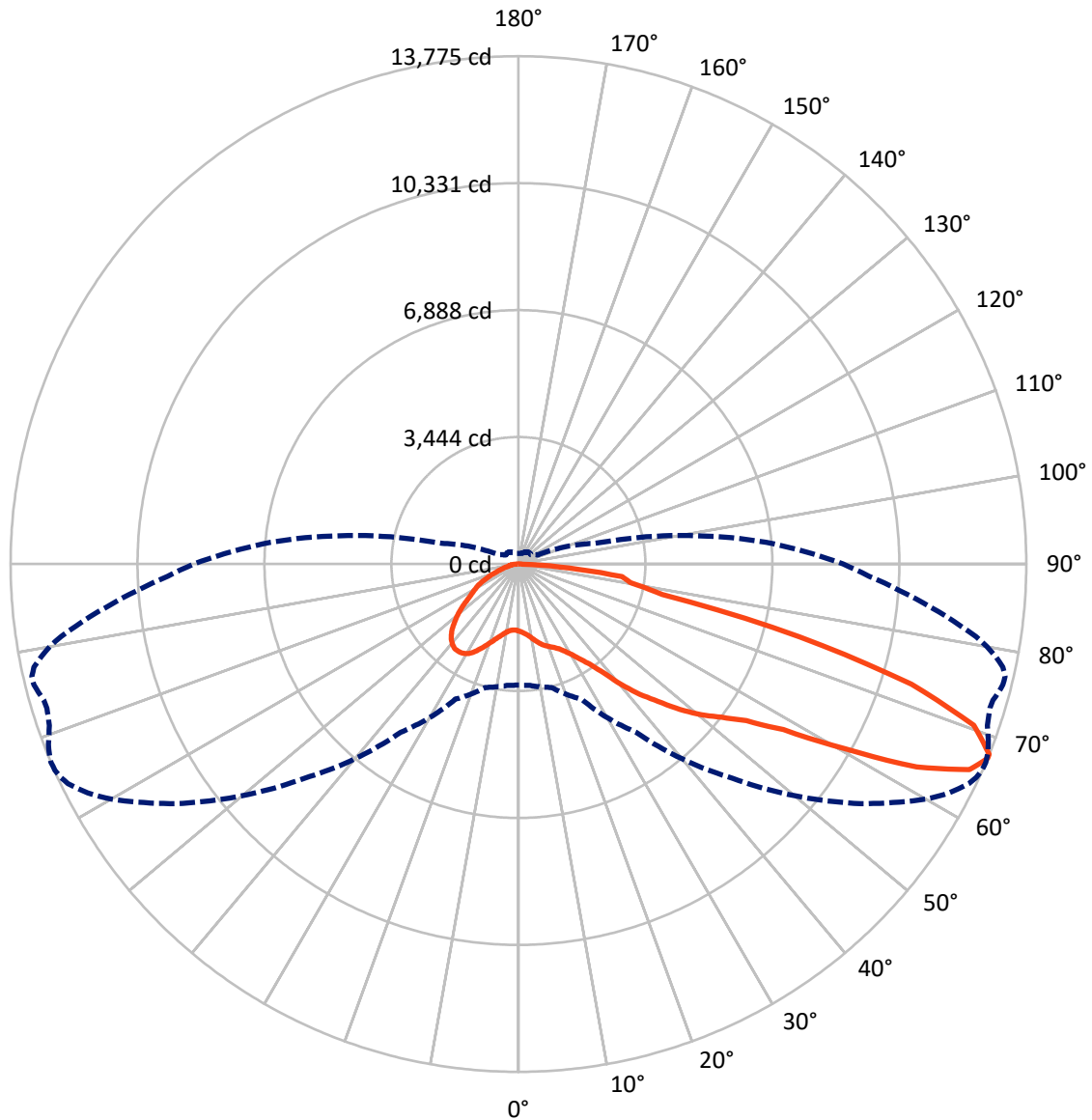
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P151379  
CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 3839.6   | 0.0    | 3839.6  |
|                    | % Fixture | 23.1     | 0.0    | 23.1    |
| <b>Street Side</b> | Lumens    | 12798.9  | 0.0    | 12798.9 |
|                    | % Fixture | 76.9     | 0.0    | 76.9    |
| <b>Total</b>       | Lumens    | 16638.5  | 0.0    | 16638.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 181.0   | 1.1       |
| 10°-20°   | 620.5   | 3.7       |
| 20°-30°   | 1095.6  | 6.6       |
| 30°-40°   | 1572.7  | 9.5       |
| 40°-50°   | 2388.5  | 14.4      |
| 50°-60°   | 3516.7  | 21.1      |
| 60°-70°   | 4673.5  | 28.1      |
| 70°-80°   | 2286.4  | 13.7      |
| 80°-90°   | 303.6   | 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°-90°    | 16638.5 | 100.0     |
| 0°-180°   | 16638.5 | 100.0     |



REPORT NUMBER: P151379

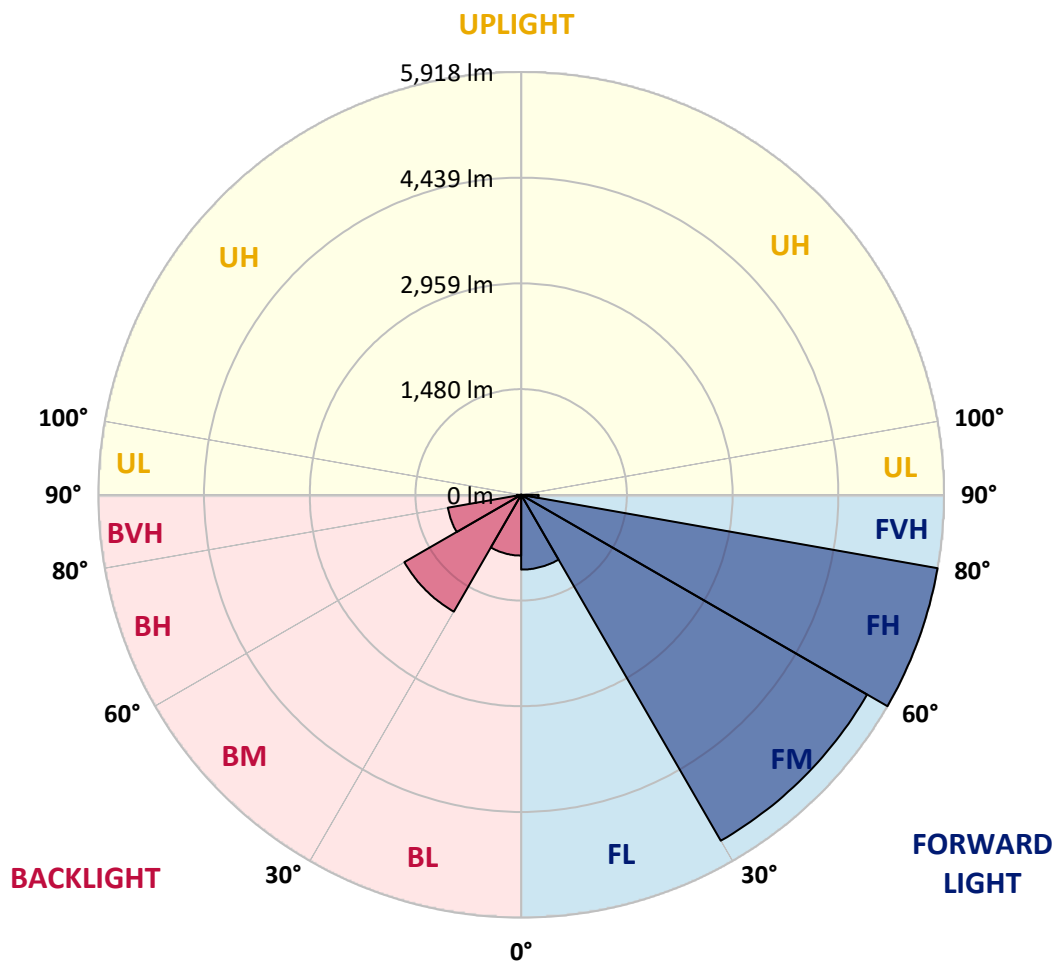
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1046.7 | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 5590.2 | 33.6      |                         |      |         |
| FH   | (60°-80°)   | 5918.2 | 35.6      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 243.9  | 1.5       |                         |      | G3/500  |
| BL   | (0°-30°)    | 850.4  | 5.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1887.7 | 11.3      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1041.8 | 6.3       | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 59.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type III Short





REPORT NUMBER: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 60°     | 61°     | 62°     | 64°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  |
| 2.5°  | 1903.4 | 1905.2 | 1901.6 | 1899.8 | 1888.8 | 1877.8 | 1870.5  | 1861.4  | 1861.4  | 1861.4  | 1857.8  |
| 5°    | 2011.2 | 2003.9 | 2009.4 | 1996.6 | 1974.7 | 1954.6 | 1934.5  | 1918.0  | 1914.4  | 1914.4  | 1907.1  |
| 7.5°  | 2140.9 | 2131.8 | 2128.1 | 2109.8 | 2077.0 | 2047.7 | 2007.5  | 1991.1  | 1982.0  | 1978.3  | 1974.7  |
| 10°   | 2298.0 | 2298.0 | 2274.2 | 2243.2 | 2199.3 | 2148.2 | 2104.4  | 2075.1  | 2073.3  | 2073.3  | 2056.9  |
| 12.5° | 2458.7 | 2462.4 | 2431.3 | 2400.3 | 2329.0 | 2261.5 | 2210.3  | 2177.4  | 2175.6  | 2168.3  | 2159.2  |
| 15°   | 2606.7 | 2597.6 | 2577.5 | 2531.8 | 2453.3 | 2372.9 | 2308.9  | 2276.1  | 2268.8  | 2261.5  | 2256.0  |
| 17.5° | 2729.1 | 2720.0 | 2694.4 | 2635.9 | 2553.7 | 2458.7 | 2380.2  | 2345.5  | 2341.8  | 2338.2  | 2330.9  |
| 20°   | 2805.8 | 2798.5 | 2762.0 | 2694.4 | 2608.5 | 2511.7 | 2427.7  | 2403.9  | 2396.6  | 2396.6  | 2393.0  |
| 22.5° | 2849.7 | 2838.7 | 2785.7 | 2696.2 | 2612.2 | 2540.9 | 2471.5  | 2456.9  | 2451.4  | 2453.3  | 2453.3  |
| 25°   | 2871.6 | 2862.4 | 2787.5 | 2659.7 | 2579.3 | 2559.2 | 2530.0  | 2520.8  | 2522.7  | 2524.5  | 2528.2  |
| 27.5° | 2875.2 | 2862.4 | 2774.8 | 2612.2 | 2537.3 | 2593.9 | 2614.0  | 2628.6  | 2628.6  | 2635.9  | 2648.7  |
| 30°   | 2847.8 | 2833.2 | 2749.2 | 2575.6 | 2519.0 | 2663.3 | 2743.7  | 2782.1  | 2796.7  | 2793.0  | 2822.3  |
| 32.5° | 2800.3 | 2791.2 | 2723.6 | 2575.6 | 2570.2 | 2800.3 | 2942.8  | 2997.6  | 3004.9  | 3008.6  | 3041.5  |
| 35°   | 2783.9 | 2782.1 | 2752.8 | 2663.3 | 2729.1 | 3041.5 | 3258.8  | 3300.8  | 3310.0  | 3310.0  | 3333.7  |
| 37.5° | 2780.2 | 2789.4 | 2822.3 | 2827.7 | 3008.6 | 3399.5 | 3684.5  | 3748.4  | 3748.4  | 3766.7  | 3766.7  |
| 40°   | 2780.2 | 2800.3 | 2924.5 | 3072.5 | 3350.2 | 3865.3 | 4259.9  | 4332.9  | 4332.9  | 4353.0  | 4342.1  |
| 42.5° | 2888.0 | 2917.2 | 3121.8 | 3403.1 | 3781.3 | 4345.7 | 4798.7  | 4880.9  | 4886.4  | 4880.9  | 4897.4  |
| 45°   | 3099.9 | 3125.5 | 3373.9 | 3777.6 | 4225.2 | 4860.9 | 5313.9  | 5412.5  | 5392.4  | 5405.2  | 5410.7  |
| 47.5° | 3381.2 | 3421.4 | 3704.5 | 4186.8 | 4658.1 | 5337.6 | 5891.1  | 5980.6  | 5973.3  | 5978.8  | 5955.0  |
| 50°   | 3680.8 | 3722.8 | 4038.8 | 4592.3 | 5089.2 | 5721.2 | 6355.1  | 6488.4  | 6475.7  | 6484.8  | 6497.6  |
| 52.5° | 3945.7 | 3971.2 | 4276.3 | 4897.4 | 5416.2 | 6079.3 | 6711.3  | 6877.5  | 6906.8  | 6910.4  | 6919.5  |
| 55°   | 4102.8 | 4133.8 | 4413.3 | 5049.0 | 5653.6 | 6430.0 | 7118.7  | 7370.7  | 7427.4  | 7442.0  | 7482.2  |
| 57.5° | 4157.6 | 4190.5 | 4444.4 | 5070.9 | 5783.3 | 6758.8 | 7686.8  | 8130.6  | 8178.1  | 8256.7  | 8384.6  |
| 60°   | 4155.7 | 4190.5 | 4411.5 | 5021.6 | 5914.9 | 7166.1 | 8570.9  | 9314.3  | 9555.5  | 9635.8  | 9818.5  |
| 62.5° | 3985.9 | 4026.0 | 4250.7 | 4871.8 | 6082.9 | 7686.8 | 9886.1  | 11029.6 | 11340.2 | 11486.3 | 11683.6 |
| 65°   | 3613.2 | 3642.4 | 3852.5 | 4491.9 | 6035.4 | 8200.1 | 10985.8 | 12412.4 | 12695.6 | 12909.3 | 13261.8 |
| 67°   | 3282.6 | 3300.8 | 3465.3 | 4042.5 | 5571.4 | 8218.3 | 11332.9 | 12755.9 | 13002.5 | 13229.0 | 13592.5 |
| 67.5° | 3198.6 | 3236.9 | 3364.8 | 3905.5 | 5397.9 | 8114.2 | 11309.1 | 12702.9 | 12955.0 | 13190.6 | 13574.2 |
| 70°   | 2603.0 | 2657.8 | 2721.8 | 3085.3 | 4243.4 | 6826.4 | 10470.6 | 11785.9 | 12006.9 | 12226.1 | 12761.3 |
| 72.5° | 1605.7 | 1704.3 | 1717.1 | 1947.3 | 2762.0 | 4718.4 | 8472.2  | 9939.1  | 10105.3 | 10262.4 | 10810.4 |
| 75°   | 946.2  | 960.8  | 1006.5 | 1192.8 | 1620.3 | 2820.4 | 5684.7  | 7383.5  | 7537.0  | 7613.7  | 8043.0  |
| 77.5° | 527.9  | 542.5  | 580.9  | 741.6  | 1245.8 | 1899.8 | 3310.0  | 4338.4  | 4431.6  | 4528.4  | 4459.0  |
| 80°   | 219.2  | 239.3  | 257.6  | 299.6  | 582.7  | 1499.7 | 2276.1  | 2758.3  | 2818.6  | 2875.2  | 2946.5  |
| 82.5° | 105.9  | 113.3  | 138.8  | 158.9  | 211.9  | 615.6  | 1784.7  | 2391.2  | 2462.4  | 2544.6  | 2710.8  |
| 85°   | 49.3   | 54.8   | 76.7   | 91.3   | 102.3  | 155.3  | 597.3   | 1163.6  | 1262.3  | 1280.5  | 1313.4  |
| 87.5° | 3.7    | 3.7    | 9.1    | 12.8   | 18.3   | 20.1   | 62.1    | 87.7    | 98.6    | 89.5    | 113.3   |
| 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: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 65°     | 66°     | 67°     | 68°     | 69°     | 70°     | 71°     | 72°     | 73°     | 74°     | 75°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  |
| 2.5°  | 1855.9  | 1854.1  | 1850.4  | 1850.4  | 1848.6  | 1848.6  | 1848.6  | 1845.0  | 1845.0  | 1845.0  | 1843.1  |
| 5°    | 1905.2  | 1903.4  | 1897.9  | 1897.9  | 1894.3  | 1894.3  | 1888.8  | 1887.0  | 1883.3  | 1883.3  | 1881.5  |
| 7.5°  | 1969.2  | 1967.4  | 1960.0  | 1960.0  | 1954.6  | 1952.7  | 1949.1  | 1943.6  | 1943.6  | 1940.0  | 1936.3  |
| 10°   | 2056.9  | 2051.4  | 2049.6  | 2040.4  | 2042.3  | 2038.6  | 2034.9  | 2029.5  | 2025.8  | 2022.2  | 2018.5  |
| 12.5° | 2155.5  | 2155.5  | 2146.4  | 2140.9  | 2144.5  | 2140.9  | 2133.6  | 2131.8  | 2126.3  | 2126.3  | 2120.8  |
| 15°   | 2248.7  | 2248.7  | 2245.0  | 2237.7  | 2239.5  | 2234.1  | 2232.2  | 2228.6  | 2221.3  | 2223.1  | 2221.3  |
| 17.5° | 2329.0  | 2329.0  | 2323.6  | 2319.9  | 2319.9  | 2314.4  | 2316.3  | 2312.6  | 2308.9  | 2307.1  | 2301.6  |
| 20°   | 2393.0  | 2393.0  | 2389.3  | 2385.7  | 2387.5  | 2387.5  | 2382.0  | 2382.0  | 2382.0  | 2378.4  | 2378.4  |
| 22.5° | 2455.1  | 2456.9  | 2456.9  | 2456.9  | 2458.7  | 2460.6  | 2458.7  | 2462.4  | 2460.6  | 2464.2  | 2464.2  |
| 25°   | 2537.3  | 2542.8  | 2546.4  | 2546.4  | 2555.6  | 2557.4  | 2559.2  | 2564.7  | 2564.7  | 2570.2  | 2572.0  |
| 27.5° | 2659.7  | 2663.3  | 2677.9  | 2681.6  | 2683.4  | 2698.0  | 2699.9  | 2707.2  | 2714.5  | 2716.3  | 2718.1  |
| 30°   | 2827.7  | 2836.9  | 2847.8  | 2855.1  | 2855.1  | 2873.4  | 2880.7  | 2877.1  | 2897.1  | 2902.6  | 2909.9  |
| 32.5° | 3052.4  | 3059.7  | 3070.7  | 3078.0  | 3085.3  | 3094.4  | 3096.3  | 3105.4  | 3121.8  | 3136.4  | 3127.3  |
| 35°   | 3335.6  | 3353.8  | 3335.6  | 3355.6  | 3361.1  | 3373.9  | 3370.3  | 3381.2  | 3388.5  | 3394.0  | 3392.2  |
| 37.5° | 3746.6  | 3737.4  | 3733.8  | 3726.5  | 3713.7  | 3757.5  | 3735.6  | 3733.8  | 3722.8  | 3753.9  | 3733.8  |
| 40°   | 4287.3  | 4292.7  | 4298.2  | 4269.0  | 4252.6  | 4252.6  | 4247.1  | 4227.0  | 4217.9  | 4245.3  | 4241.6  |
| 42.5° | 4851.7  | 4857.2  | 4831.6  | 4813.4  | 4771.3  | 4765.9  | 4740.3  | 4734.8  | 4725.7  | 4740.3  | 4725.7  |
| 45°   | 5365.0  | 5368.7  | 5312.0  | 5321.2  | 5288.3  | 5293.8  | 5253.6  | 5270.0  | 5248.1  | 5262.7  | 5290.1  |
| 47.5° | 5938.6  | 5945.9  | 5896.6  | 5916.7  | 5883.8  | 5863.7  | 5861.9  | 5872.8  | 5849.1  | 5863.7  | 5871.0  |
| 50°   | 6459.2  | 6450.1  | 6424.5  | 6430.0  | 6415.4  | 6419.0  | 6397.1  | 6417.2  | 6389.8  | 6419.0  | 6415.4  |
| 52.5° | 6921.4  | 6910.4  | 6904.9  | 6923.2  | 6910.4  | 6910.4  | 6897.6  | 6906.8  | 6910.4  | 6954.2  | 6963.4  |
| 55°   | 7482.2  | 7491.3  | 7500.4  | 7533.3  | 7547.9  | 7524.2  | 7547.9  | 7593.6  | 7595.4  | 7699.5  | 7756.2  |
| 57.5° | 8382.7  | 8446.7  | 8479.5  | 8499.6  | 8585.5  | 8576.4  | 8631.2  | 8740.8  | 8751.7  | 8992.8  | 9133.5  |
| 60°   | 9953.7  | 10066.9 | 10174.7 | 10116.3 | 10289.8 | 10342.8 | 10375.7 | 10580.3 | 10644.2 | 10872.5 | 10994.9 |
| 62.5° | 11937.5 | 11950.3 | 12118.3 | 12065.4 | 12164.0 | 12140.3 | 12180.4 | 12273.6 | 12357.6 | 12545.8 | 12660.9 |
| 65°   | 13322.1 | 13382.4 | 13448.2 | 13380.6 | 13378.8 | 13298.4 | 13247.2 | 13245.4 | 13296.6 | 13336.7 | 13464.6 |
| 67°   | 13698.4 | 13758.7 | 13775.1 | 13725.8 | 13654.6 | 13552.3 | 13457.3 | 13408.0 | 13375.1 | 13393.4 | 13473.7 |
| 67.5° | 13694.8 | 13751.4 | 13771.5 | 13724.0 | 13625.4 | 13539.5 | 13439.0 | 13382.4 | 13338.6 | 13347.7 | 13415.3 |
| 70°   | 12916.6 | 13039.0 | 13104.8 | 13119.4 | 13106.6 | 12956.8 | 12870.9 | 12819.8 | 12783.3 | 12693.7 | 12688.3 |
| 72.5° | 10943.8 | 11091.7 | 11142.9 | 11225.1 | 11261.6 | 11040.6 | 10947.4 | 11004.0 | 10876.2 | 10593.0 | 10605.8 |
| 75°   | 8035.7  | 8046.6  | 7874.9  | 7842.0  | 7719.6  | 7219.1  | 7069.3  | 6932.3  | 6713.1  | 6371.5  | 6050.0  |
| 77.5° | 4188.6  | 4186.8  | 3989.5  | 3889.0  | 3742.9  | 3441.5  | 3426.9  | 3182.1  | 3010.4  | 2698.0  | 2584.8  |
| 80°   | 2975.7  | 3023.2  | 3089.0  | 3121.8  | 3070.7  | 2953.8  | 2793.0  | 2619.5  | 2420.4  | 2224.9  | 1991.1  |
| 82.5° | 2767.5  | 2796.7  | 2831.4  | 2703.5  | 2632.3  | 2467.9  | 2345.5  | 2093.4  | 1952.7  | 1729.9  | 1494.2  |
| 85°   | 1346.3  | 1435.8  | 1366.4  | 1286.0  | 1258.6  | 984.6   | 951.7   | 794.6   | 721.5   | 593.7   | 553.5   |
| 87.5° | 85.9    | 105.9   | 95.0    | 85.9    | 74.9    | 42.0    | 56.6    | 40.2    | 42.0    | 31.1    | 27.4    |
| 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: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 76°     | 77°     | 78°     | 79°     | 80°     | 81°     | 82°     | 83°     | 84°     | 85°     | 86°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  | 1817.6  |
| 2.5°  | 1843.1  | 1841.3  | 1839.5  | 1837.7  | 1835.8  | 1835.8  | 1834.0  | 1832.2  | 1830.4  | 1826.7  | 1826.7  |
| 5°    | 1877.8  | 1877.8  | 1876.0  | 1872.4  | 1872.4  | 1868.7  | 1863.2  | 1861.4  | 1861.4  | 1857.8  | 1854.1  |
| 7.5°  | 1934.5  | 1932.6  | 1929.0  | 1927.2  | 1923.5  | 1919.9  | 1916.2  | 1912.6  | 1910.7  | 1905.2  | 1903.4  |
| 10°   | 2020.3  | 2016.7  | 2007.5  | 2003.9  | 2002.1  | 1998.4  | 1994.8  | 1991.1  | 1985.6  | 1982.0  | 1980.1  |
| 12.5° | 2117.1  | 2115.3  | 2108.0  | 2111.7  | 2102.5  | 2098.9  | 2095.2  | 2086.1  | 2089.7  | 2082.4  | 2078.8  |
| 15°   | 2214.0  | 2215.8  | 2212.1  | 2212.1  | 2204.8  | 2199.3  | 2195.7  | 2188.4  | 2186.6  | 2182.9  | 2179.3  |
| 17.5° | 2299.8  | 2303.5  | 2298.0  | 2294.3  | 2290.7  | 2287.0  | 2279.7  | 2272.4  | 2272.4  | 2265.1  | 2261.5  |
| 20°   | 2378.4  | 2382.0  | 2380.2  | 2376.5  | 2371.1  | 2369.2  | 2365.6  | 2360.1  | 2360.1  | 2356.4  | 2351.0  |
| 22.5° | 2467.9  | 2469.7  | 2469.7  | 2467.9  | 2462.4  | 2464.2  | 2460.6  | 2455.1  | 2456.9  | 2449.6  | 2449.6  |
| 25°   | 2575.6  | 2579.3  | 2583.0  | 2584.8  | 2581.1  | 2583.0  | 2579.3  | 2575.6  | 2573.8  | 2575.6  | 2573.8  |
| 27.5° | 2723.6  | 2727.3  | 2738.2  | 2729.1  | 2738.2  | 2740.1  | 2734.6  | 2727.3  | 2732.7  | 2741.9  | 2736.4  |
| 30°   | 2919.1  | 2915.4  | 2930.0  | 2931.9  | 2930.0  | 2931.9  | 2928.2  | 2922.7  | 2926.4  | 2942.8  | 2933.7  |
| 32.5° | 3138.3  | 3145.6  | 3149.2  | 3152.9  | 3158.4  | 3165.7  | 3160.2  | 3154.7  | 3163.8  | 3158.4  | 3171.2  |
| 35°   | 3403.1  | 3419.6  | 3425.1  | 3419.6  | 3423.2  | 3436.0  | 3434.2  | 3436.0  | 3454.3  | 3436.0  | 3459.8  |
| 37.5° | 3737.4  | 3753.9  | 3766.7  | 3759.4  | 3768.5  | 3768.5  | 3783.1  | 3823.3  | 3797.7  | 3830.6  | 3856.2  |
| 40°   | 4223.3  | 4248.9  | 4250.7  | 4248.9  | 4258.0  | 4269.0  | 4283.6  | 4327.5  | 4298.2  | 4332.9  | 4356.7  |
| 42.5° | 4723.8  | 4754.9  | 4765.9  | 4747.6  | 4767.7  | 4791.4  | 4793.3  | 4831.6  | 4833.4  | 4838.9  | 4851.7  |
| 45°   | 5288.3  | 5315.7  | 5337.6  | 5328.5  | 5330.3  | 5361.4  | 5354.1  | 5390.6  | 5363.2  | 5363.2  | 5370.5  |
| 47.5° | 5889.3  | 5914.9  | 5929.5  | 5944.1  | 5925.8  | 5953.2  | 5966.0  | 5958.7  | 5925.8  | 5918.5  | 5874.7  |
| 50°   | 6437.3  | 6459.2  | 6481.1  | 6521.3  | 6519.5  | 6532.3  | 6541.4  | 6508.5  | 6501.2  | 6461.0  | 6411.7  |
| 52.5° | 7018.2  | 7074.8  | 7124.1  | 7208.2  | 7220.9  | 7264.8  | 7248.3  | 7193.5  | 7184.4  | 7118.7  | 7052.9  |
| 55°   | 7827.4  | 7990.0  | 8061.2  | 8190.9  | 8278.6  | 8276.8  | 8240.2  | 8231.1  | 8161.7  | 8030.2  | 7951.6  |
| 57.5° | 9235.8  | 9489.7  | 9612.1  | 9780.2  | 9807.6  | 9791.1  | 9743.6  | 9659.6  | 9539.0  | 9318.0  | 9175.5  |
| 60°   | 11268.9 | 11426.0 | 11568.5 | 11608.7 | 11628.8 | 11597.7 | 11431.5 | 11245.2 | 11009.5 | 10704.5 | 10450.6 |
| 62.5° | 12805.2 | 12965.9 | 13071.9 | 13055.4 | 12929.4 | 12770.5 | 12527.5 | 12215.1 | 11884.5 | 11542.9 | 11163.0 |
| 65°   | 13587.0 | 13654.6 | 13638.1 | 13510.3 | 13294.7 | 13017.1 | 12662.7 | 12277.3 | 11888.2 | 11484.5 | 11089.9 |
| 67°   | 13545.0 | 13546.8 | 13435.4 | 13187.0 | 12911.1 | 12562.2 | 12129.3 | 11709.2 | 11252.5 | 10828.7 | 10359.2 |
| 67.5° | 13470.1 | 13462.8 | 13307.5 | 13035.3 | 12737.6 | 12377.7 | 11928.4 | 11493.6 | 11020.5 | 10593.0 | 10107.1 |
| 70°   | 12622.5 | 12520.2 | 12169.5 | 11734.7 | 11320.1 | 10834.2 | 10362.9 | 9864.2  | 9330.8  | 8963.6  | 8404.6  |
| 72.5° | 10372.0 | 10026.8 | 9422.1  | 8967.3  | 8523.4  | 7887.7  | 7593.6  | 6974.3  | 6599.9  | 6366.1  | 5944.1  |
| 75°   | 6006.2  | 5717.6  | 5249.9  | 4824.3  | 4608.8  | 4232.5  | 4053.4  | 3598.6  | 3503.6  | 3500.0  | 3353.8  |
| 77.5° | 2292.5  | 2000.2  | 1698.8  | 1368.2  | 1163.6  | 924.3   | 814.7   | 728.9   | 663.1   | 708.8   | 643.0   |
| 80°   | 1718.9  | 1413.9  | 1105.2  | 803.7   | 573.6   | 423.8   | 363.5   | 336.1   | 319.7   | 306.9   | 297.8   |
| 82.5° | 1280.5  | 1010.2  | 783.7   | 511.5   | 358.0   | 270.4   | 233.8   | 219.2   | 211.9   | 199.1   | 188.2   |
| 85°   | 432.9   | 347.1   | 274.0   | 190.0   | 149.8   | 122.4   | 113.3   | 109.6   | 104.1   | 95.0    | 89.5    |
| 87.5° | 23.7    | 21.9    | 23.7    | 18.3    | 21.9    | 18.3    | 20.1    | 20.1    | 20.1    | 18.3    | 18.3    |
| 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: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 87°     | 88°     | 89°     | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   |
|-------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1817.6  | 1817.6  | 1817.6  | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 | 1817.6 |
| 2.5°  | 1824.9  | 1824.9  | 1824.9  | 1821.2 | 1815.7 | 1804.8 | 1793.8 | 1784.7 | 1775.6 | 1770.1 | 1766.4 |
| 5°    | 1852.3  | 1848.6  | 1846.8  | 1845.0 | 1832.2 | 1810.3 | 1790.2 | 1771.9 | 1753.6 | 1739.0 | 1733.5 |
| 7.5°  | 1901.6  | 1894.3  | 1892.5  | 1887.0 | 1870.5 | 1837.7 | 1808.4 | 1779.2 | 1753.6 | 1733.5 | 1724.4 |
| 10°   | 1976.5  | 1976.5  | 1965.5  | 1958.2 | 1940.0 | 1896.1 | 1854.1 | 1815.7 | 1781.0 | 1759.1 | 1753.6 |
| 12.5° | 2071.5  | 2071.5  | 2062.3  | 2056.9 | 2034.9 | 1978.3 | 1927.2 | 1881.5 | 1848.6 | 1826.7 | 1824.9 |
| 15°   | 2170.1  | 2168.3  | 2161.0  | 2153.7 | 2129.9 | 2069.7 | 2018.5 | 1978.3 | 1950.9 | 1925.3 | 1918.0 |
| 17.5° | 2257.8  | 2257.8  | 2248.7  | 2241.4 | 2217.6 | 2166.5 | 2120.8 | 2091.6 | 2060.5 | 2007.5 | 1967.4 |
| 20°   | 2345.5  | 2347.3  | 2340.0  | 2332.7 | 2312.6 | 2268.8 | 2248.7 | 2219.4 | 2150.0 | 2034.9 | 1940.0 |
| 22.5° | 2442.3  | 2449.6  | 2440.5  | 2433.2 | 2416.7 | 2398.5 | 2391.2 | 2321.7 | 2175.6 | 1991.1 | 1852.3 |
| 25°   | 2566.5  | 2579.3  | 2568.3  | 2564.7 | 2555.6 | 2561.0 | 2539.1 | 2378.4 | 2139.1 | 1896.1 | 1722.6 |
| 27.5° | 2736.4  | 2736.4  | 2738.2  | 2738.2 | 2734.6 | 2754.7 | 2674.3 | 2380.2 | 2058.7 | 1773.7 | 1567.3 |
| 30°   | 2935.5  | 2946.5  | 2942.8  | 2942.8 | 2957.4 | 2970.2 | 2749.2 | 2340.0 | 1956.4 | 1622.1 | 1377.3 |
| 32.5° | 3174.8  | 3183.9  | 3187.6  | 3171.2 | 3229.6 | 3163.8 | 2776.6 | 2266.9 | 1830.4 | 1434.0 | 1150.8 |
| 35°   | 3463.4  | 3476.2  | 3485.3  | 3487.2 | 3525.5 | 3331.9 | 2762.0 | 2159.2 | 1649.5 | 1198.3 | 902.4  |
| 37.5° | 3839.7  | 3865.3  | 3885.4  | 3894.5 | 3896.4 | 3474.4 | 2721.8 | 2016.7 | 1413.9 | 935.3  | 672.2  |
| 40°   | 4340.2  | 4367.6  | 4362.2  | 4380.4 | 4276.3 | 3558.4 | 2630.4 | 1810.3 | 1121.6 | 686.8  | 518.8  |
| 42.5° | 4822.5  | 4826.1  | 4833.4  | 4817.0 | 4605.1 | 3602.3 | 2502.6 | 1558.2 | 840.3  | 513.3  | 443.9  |
| 45°   | 5361.4  | 5330.3  | 5295.6  | 5270.0 | 4908.3 | 3618.7 | 2327.2 | 1251.3 | 593.7  | 431.1  | 411.0  |
| 47.5° | 5867.4  | 5825.3  | 5754.1  | 5681.0 | 5178.7 | 3593.1 | 2102.5 | 937.1  | 451.2  | 394.6  | 389.1  |
| 50°   | 6364.2  | 6285.7  | 6185.2  | 6101.2 | 5438.1 | 3554.8 | 1854.1 | 675.9  | 394.6  | 376.3  | 370.8  |
| 52.5° | 6979.8  | 6848.3  | 6716.8  | 6607.2 | 5776.0 | 3494.5 | 1592.9 | 513.3  | 370.8  | 361.7  | 354.4  |
| 55°   | 7823.8  | 7641.1  | 7429.2  | 7275.7 | 6234.5 | 3403.1 | 1318.9 | 434.8  | 359.9  | 352.6  | 341.6  |
| 57.5° | 8992.8  | 8718.8  | 8479.5  | 8229.3 | 6861.1 | 3310.0 | 1083.2 | 403.7  | 358.0  | 347.1  | 332.5  |
| 60°   | 10187.5 | 9858.7  | 9553.6  | 9195.6 | 7500.4 | 3216.8 | 918.8  | 400.0  | 363.5  | 347.1  | 325.2  |
| 62.5° | 10808.6 | 10468.8 | 10101.7 | 9738.1 | 7776.3 | 2997.6 | 805.6  | 405.5  | 376.3  | 352.6  | 325.2  |
| 65°   | 10666.1 | 10251.4 | 9878.8  | 9508.0 | 7456.6 | 2583.0 | 681.4  | 412.8  | 401.9  | 374.5  | 330.6  |
| 67°   | 9950.0  | 9517.1  | 9159.1  | 8804.7 | 6744.2 | 2162.8 | 584.5  | 420.1  | 429.3  | 400.0  | 341.6  |
| 67.5° | 9698.0  | 9265.0  | 8912.5  | 8567.2 | 6534.1 | 2075.1 | 560.8  | 423.8  | 434.8  | 407.4  | 345.2  |
| 70°   | 8041.1  | 7723.3  | 7348.8  | 7082.1 | 5290.1 | 1536.3 | 460.3  | 431.1  | 467.6  | 449.4  | 361.7  |
| 72.5° | 5787.0  | 5483.8  | 5202.4  | 5054.5 | 3896.4 | 1074.1 | 387.3  | 423.8  | 487.7  | 473.1  | 369.0  |
| 75°   | 3076.2  | 3057.9  | 2955.6  | 3028.7 | 2411.2 | 701.5  | 341.6  | 396.4  | 465.8  | 432.9  | 343.4  |
| 77.5° | 621.1   | 639.3   | 750.8   | 739.8  | 778.2  | 390.9  | 292.3  | 339.8  | 359.9  | 317.8  | 279.5  |
| 80°   | 288.6   | 283.1   | 277.7   | 281.3  | 275.8  | 250.3  | 237.5  | 266.7  | 250.3  | 204.6  | 186.3  |
| 82.5° | 179.0   | 175.4   | 169.9   | 168.1  | 186.3  | 199.1  | 208.2  | 210.1  | 166.2  | 142.5  | 137.0  |
| 85°   | 85.9    | 85.9    | 84.0    | 87.7   | 109.6  | 162.6  | 175.4  | 155.3  | 111.4  | 102.3  | 96.8   |
| 87.5° | 16.4    | 16.4    | 18.3    | 16.4   | 21.9   | 38.4   | 43.8   | 51.1   | 42.0   | 43.8   | 49.3   |
| 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: P151379

CATALOG NUMBER: TMU-E06-LED-E-U-SL3-7030

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|
| 0°    | 1817.6 | 1817.6 | 1817.6 |
| 2.5°  | 1762.8 | 1759.1 | 1759.1 |
| 5°    | 1726.2 | 1724.4 | 1724.4 |
| 7.5°  | 1717.1 | 1718.9 | 1717.1 |
| 10°   | 1751.8 | 1750.0 | 1757.3 |
| 12.5° | 1828.5 | 1834.0 | 1832.2 |
| 15°   | 1908.9 | 1912.6 | 1912.6 |
| 17.5° | 1932.6 | 1919.9 | 1918.0 |
| 20°   | 1870.5 | 1846.8 | 1841.3 |
| 22.5° | 1753.6 | 1709.8 | 1711.6 |
| 25°   | 1605.7 | 1552.7 | 1556.3 |
| 27.5° | 1434.0 | 1377.3 | 1375.5 |
| 30°   | 1227.5 | 1165.4 | 1134.4 |
| 32.5° | 979.1  | 904.2  | 904.2  |
| 35°   | 736.2  | 675.9  | 654.0  |
| 37.5° | 559.0  | 524.3  | 513.3  |
| 40°   | 465.8  | 449.4  | 445.7  |
| 42.5° | 423.8  | 418.3  | 416.5  |
| 45°   | 401.9  | 398.2  | 396.4  |
| 47.5° | 381.8  | 380.0  | 378.1  |
| 50°   | 367.2  | 365.3  | 363.5  |
| 52.5° | 354.4  | 350.7  | 348.9  |
| 55°   | 336.1  | 336.1  | 336.1  |
| 57.5° | 325.2  | 325.2  | 323.3  |
| 60°   | 314.2  | 312.4  | 312.4  |
| 62.5° | 305.1  | 301.4  | 303.2  |
| 65°   | 299.6  | 294.1  | 294.1  |
| 67°   | 295.9  | 285.0  | 285.0  |
| 67.5° | 295.9  | 281.3  | 281.3  |
| 70°   | 290.4  | 266.7  | 263.0  |
| 72.5° | 285.0  | 250.3  | 244.8  |
| 75°   | 270.4  | 237.5  | 232.0  |
| 77.5° | 232.0  | 211.9  | 208.2  |
| 80°   | 179.0  | 155.3  | 158.9  |
| 82.5° | 129.7  | 111.4  | 109.6  |
| 85°   | 93.2   | 80.4   | 80.4   |
| 87.5° | 49.3   | 42.0   | 43.8   |
| 90°   | 0.0    | 0.0    | 0.0    |

(END OF REPORT)