

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: P153074

Luminaire Tested: **TMU-F04-LED-E-U-SLL-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P153074  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33681)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: TMU-F04-LED-E-U-SLL-7030  
Description: TALON MEDIUM LED AREA LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - 90° SPILL LIGHT ELIMINATOR LEFT  
Light Source: (28) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8391.8 lumens  
Efficiency: N/A  
Efficacy: 82.1 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Non-Cutoff  
BUG Rating: B1 - U0 - G3

Input Watts (W): 102.2  
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

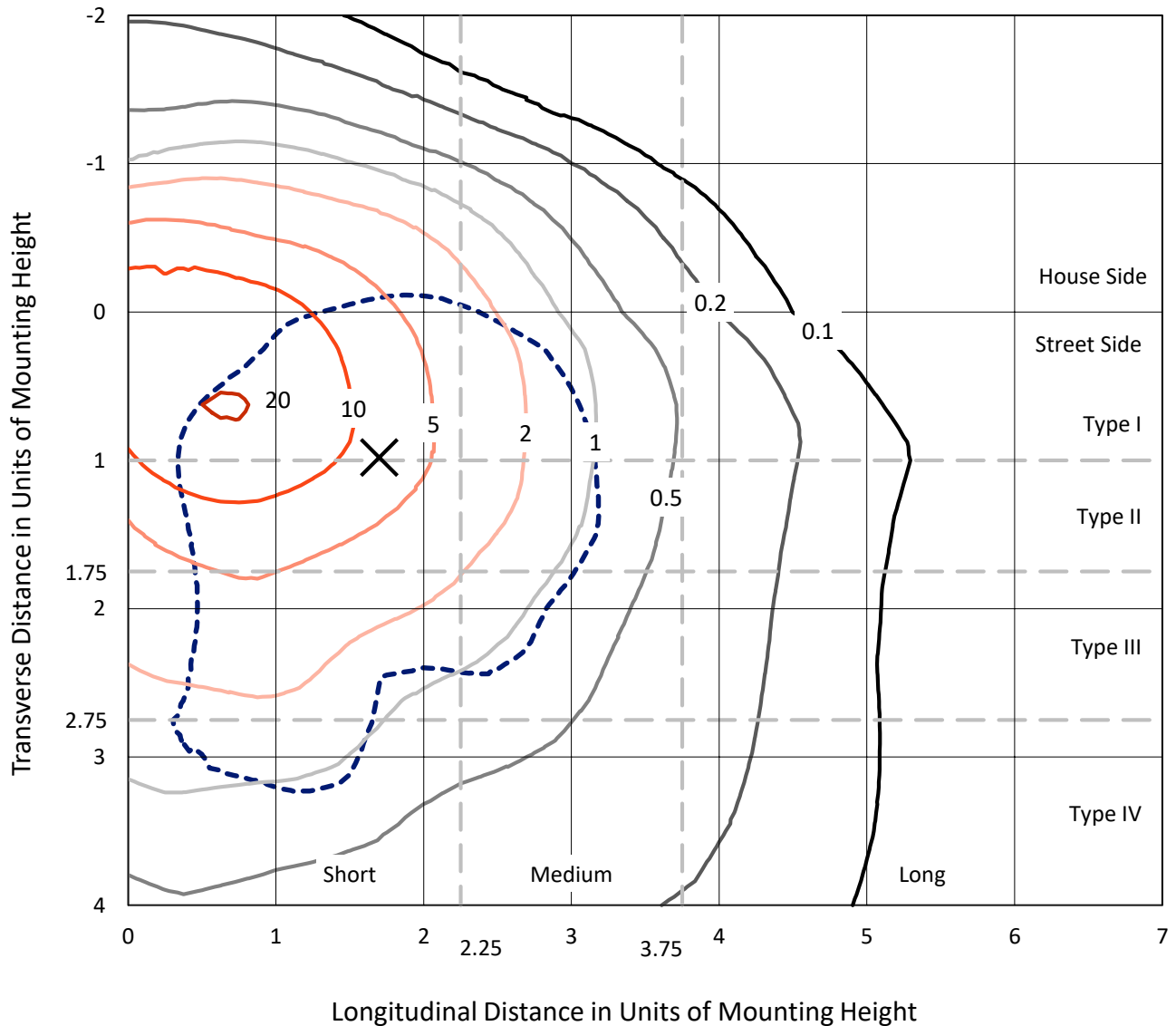


REPORT NUMBER: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

### Iso-Footcandle Lines of Horizontal Illumination

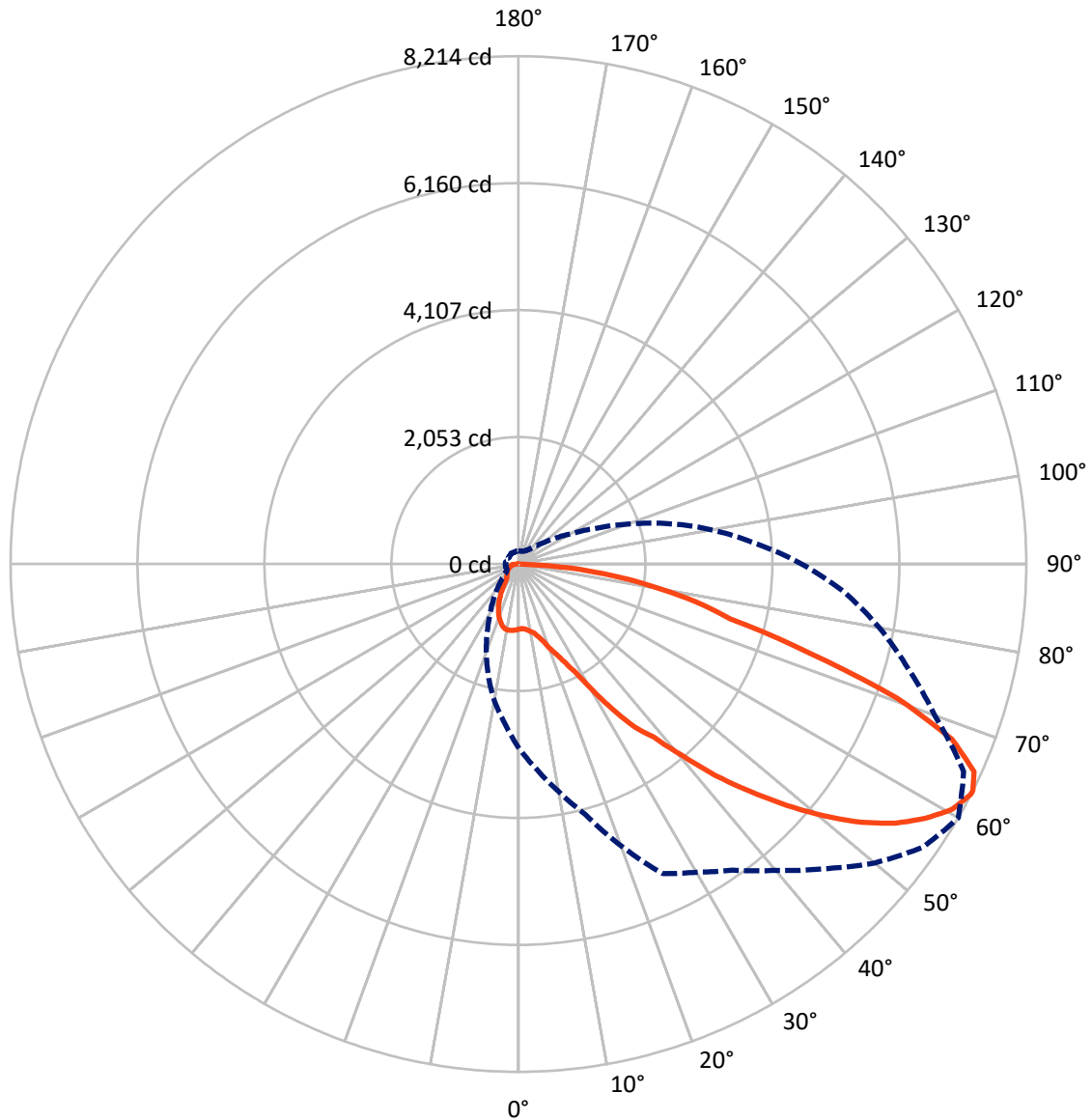
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 fc  
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P153074  
CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1819.7   | 0.0    | 1819.7 |
|                    | % Fixture | 21.7     | 0.0    | 21.7   |
| <b>Street Side</b> | Lumens    | 6572.1   | 0.0    | 6572.1 |
|                    | % Fixture | 78.3     | 0.0    | 78.3   |
| <b>Total</b>       | Lumens    | 8391.8   | 0.0    | 8391.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 102.7  | 1.2       |
| 10°-20°   | 319.7  | 3.8       |
| 20°-30°   | 568.0  | 6.8       |
| 30°-40°   | 894.5  | 10.7      |
| 40°-50°   | 1316.4 | 15.7      |
| 50°-60°   | 1748.5 | 20.8      |
| 60°-70°   | 1926.0 | 23.0      |
| 70°-80°   | 1208.4 | 14.4      |
| 80°-90°   | 307.8  | 3.7       |
| 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°    | 8391.8 | 100.0     |
| 0°-180°   | 8391.8 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P153074

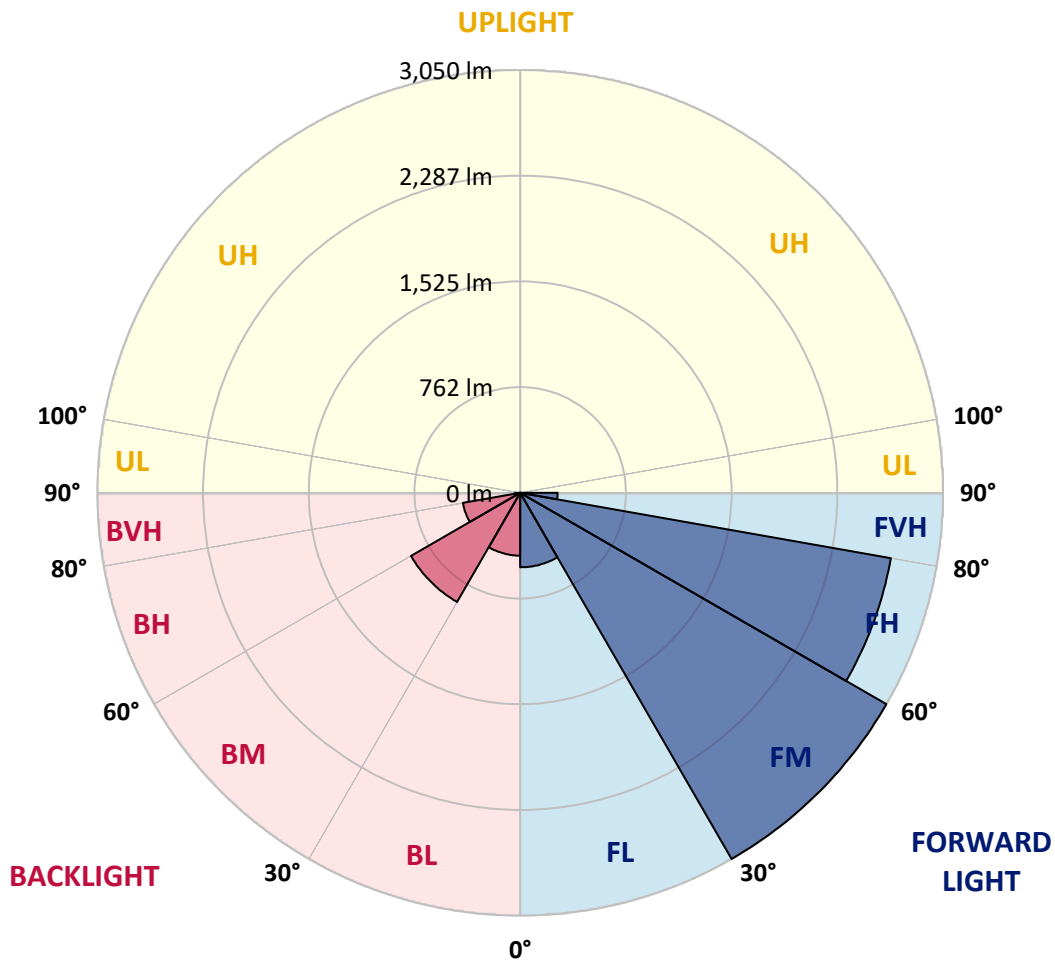
CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 537.3  | 6.4       |                         |      |         |
| FM   | (30°-60°)   | 3049.8 | 36.3      |                         |      |         |
| FH   | (60°-80°)   | 2714.9 | 32.4      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 270.1  | 3.2       |                         |      | G3/500  |
| BL   | (0°-30°)    | 453.0  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 909.5  | 10.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 419.5  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 37.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G3**

Type IV Short





REPORT NUMBER: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1040.5 | 1042.5 | 1042.5 | 1041.5 | 1041.5 | 1043.5 | 1042.5 | 1041.5 | 1038.5 | 1042.5 | 1042.5 |
| 5°    | 1032.5 | 1034.5 | 1034.5 | 1036.5 | 1038.5 | 1040.5 | 1040.5 | 1042.5 | 1041.5 | 1045.5 | 1048.6 |
| 7.5°  | 1042.5 | 1044.5 | 1048.6 | 1053.6 | 1056.6 | 1063.6 | 1063.6 | 1068.7 | 1070.7 | 1073.7 | 1072.7 |
| 10°   | 1055.6 | 1060.6 | 1069.7 | 1077.7 | 1083.7 | 1091.8 | 1097.8 | 1104.9 | 1104.9 | 1107.9 | 1109.9 |
| 12.5° | 1078.7 | 1083.7 | 1093.8 | 1103.8 | 1112.9 | 1122.9 | 1132.0 | 1139.0 | 1146.1 | 1148.1 | 1152.1 |
| 15°   | 1116.9 | 1122.9 | 1138.0 | 1152.1 | 1163.2 | 1176.2 | 1188.3 | 1202.4 | 1215.4 | 1218.5 | 1220.5 |
| 17.5° | 1174.2 | 1186.3 | 1197.3 | 1222.5 | 1238.6 | 1255.7 | 1274.8 | 1294.9 | 1298.9 | 1320.0 | 1325.0 |
| 20°   | 1255.7 | 1270.7 | 1280.8 | 1311.9 | 1339.1 | 1361.2 | 1389.4 | 1412.5 | 1421.5 | 1441.6 | 1461.7 |
| 22.5° | 1396.4 | 1393.4 | 1408.5 | 1439.6 | 1459.7 | 1504.0 | 1528.1 | 1552.2 | 1564.3 | 1594.4 | 1610.5 |
| 25°   | 1585.4 | 1601.5 | 1634.7 | 1637.7 | 1656.8 | 1708.0 | 1739.2 | 1763.3 | 1764.3 | 1773.4 | 1790.5 |
| 27.5° | 1771.4 | 1837.7 | 1890.0 | 1918.2 | 1969.4 | 2016.7 | 2014.7 | 2048.9 | 1995.6 | 2006.6 | 2022.7 |
| 30°   | 1996.6 | 2107.2 | 2205.7 | 2272.0 | 2324.3 | 2379.6 | 2406.7 | 2425.8 | 2402.7 | 2392.7 | 2373.6 |
| 32.5° | 2207.7 | 2362.5 | 2514.3 | 2631.9 | 2729.5 | 2820.9 | 2881.3 | 2908.4 | 2940.6 | 3022.0 | 3051.2 |
| 35°   | 2352.5 | 2571.6 | 2760.6 | 2930.5 | 3093.4 | 3239.2 | 3344.7 | 3405.0 | 3381.9 | 3370.9 | 3364.8 |
| 37.5° | 2438.9 | 2706.3 | 2942.6 | 3182.9 | 3369.8 | 3588.0 | 3751.9 | 3910.7 | 3946.9 | 3883.6 | 3852.4 |
| 40°   | 2493.2 | 2809.9 | 3113.5 | 3397.0 | 3639.3 | 3920.8 | 4123.8 | 4362.1 | 4543.1 | 4567.2 | 4492.8 |
| 42.5° | 2519.3 | 2879.2 | 3233.1 | 3553.8 | 3881.6 | 4226.4 | 4483.7 | 4772.3 | 5042.7 | 5228.7 | 5182.4 |
| 45°   | 2523.4 | 2924.5 | 3320.6 | 3695.6 | 4085.6 | 4494.8 | 4826.6 | 5146.3 | 5508.2 | 5826.9 | 5835.9 |
| 47.5° | 2523.4 | 2958.7 | 3380.9 | 3798.1 | 4268.6 | 4728.0 | 5090.0 | 5468.0 | 5911.3 | 6288.3 | 6403.9 |
| 50°   | 2525.4 | 2981.8 | 3437.2 | 3878.5 | 4408.3 | 4925.1 | 5334.3 | 5780.6 | 6247.1 | 6657.3 | 6880.4 |
| 52.5° | 2534.4 | 2998.9 | 3481.4 | 3935.8 | 4498.8 | 5063.8 | 5524.3 | 6039.0 | 6503.4 | 6924.7 | 7213.2 |
| 55°   | 2554.5 | 3023.0 | 3513.6 | 3971.0 | 4559.1 | 5154.3 | 5662.0 | 6215.9 | 6669.3 | 7096.6 | 7499.7 |
| 57.5° | 2610.8 | 3065.2 | 3552.8 | 4002.2 | 4592.3 | 5213.6 | 5758.5 | 6292.3 | 6732.7 | 7178.0 | 7651.5 |
| 60°   | 2723.4 | 3154.7 | 3620.2 | 4064.5 | 4647.6 | 5323.2 | 5804.7 | 6241.1 | 6686.4 | 7153.9 | 7685.7 |
| 62.5° | 2903.4 | 3294.4 | 3713.7 | 4170.1 | 4805.5 | 5493.1 | 5769.6 | 6088.2 | 6504.5 | 7014.1 | 7564.1 |
| 63°   | 2965.7 | 3324.6 | 3734.8 | 4193.2 | 4848.7 | 5524.3 | 5754.5 | 6043.0 | 6467.3 | 6969.9 | 7520.8 |
| 65°   | 3139.6 | 3458.3 | 3835.3 | 4309.8 | 5026.6 | 5555.4 | 5636.9 | 5807.8 | 6209.9 | 6717.6 | 7265.5 |
| 67.5° | 3464.3 | 3783.0 | 4051.5 | 4506.9 | 5176.4 | 5432.8 | 5271.9 | 5293.0 | 5713.3 | 6239.0 | 6731.7 |
| 70°   | 3669.4 | 4049.4 | 4189.2 | 4532.0 | 5149.3 | 5250.8 | 4799.4 | 4519.9 | 4856.7 | 5455.9 | 5887.2 |
| 72.5° | 3616.2 | 4052.5 | 4037.4 | 4197.2 | 4606.4 | 4700.9 | 4233.4 | 3793.1 | 3993.1 | 4440.5 | 4720.0 |
| 75°   | 3097.4 | 3619.2 | 3508.6 | 3476.4 | 3620.2 | 3682.5 | 3331.6 | 3264.3 | 3516.6 | 3764.9 | 3769.0 |
| 77.5° | 2229.8 | 2803.9 | 2674.2 | 2488.2 | 2478.1 | 2621.9 | 2669.1 | 3110.5 | 3483.4 | 3679.5 | 3593.0 |
| 80°   | 1420.5 | 2042.8 | 1908.1 | 1583.4 | 1578.4 | 1765.4 | 2180.5 | 2780.7 | 3175.8 | 3285.4 | 3060.2 |
| 82.5° | 741.9  | 1337.1 | 1388.4 | 1188.3 | 1360.2 | 1669.8 | 2075.0 | 2240.9 | 2390.7 | 2405.7 | 2140.3 |
| 85°   | 462.4  | 822.4  | 967.1  | 998.3  | 1228.5 | 1480.8 | 1477.8 | 1419.5 | 1353.2 | 1158.1 | 1047.5 |
| 87.5° | 52.3   | 103.5  | 156.8  | 148.8  | 200.1  | 280.5  | 349.9  | 205.1  | 143.8  | 52.3   | 72.4   |
| 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: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1044.5 | 1045.5 | 1046.5 | 1046.5 | 1051.6 | 1050.6 | 1051.6 | 1053.6 | 1056.6 | 1058.6 | 1060.6 |
| 5°    | 1052.6 | 1052.6 | 1056.6 | 1059.6 | 1065.6 | 1069.7 | 1071.7 | 1077.7 | 1084.7 | 1082.7 | 1088.8 |
| 7.5°  | 1078.7 | 1077.7 | 1081.7 | 1083.7 | 1088.8 | 1095.8 | 1094.8 | 1099.8 | 1105.9 | 1107.9 | 1112.9 |
| 10°   | 1113.9 | 1110.9 | 1110.9 | 1108.9 | 1109.9 | 1107.9 | 1107.9 | 1107.9 | 1111.9 | 1110.9 | 1114.9 |
| 12.5° | 1150.1 | 1149.1 | 1147.1 | 1141.0 | 1141.0 | 1133.0 | 1129.0 | 1124.0 | 1122.9 | 1115.9 | 1116.9 |
| 15°   | 1224.5 | 1224.5 | 1220.5 | 1208.4 | 1198.3 | 1191.3 | 1181.3 | 1174.2 | 1164.2 | 1151.1 | 1144.1 |
| 17.5° | 1333.1 | 1319.0 | 1314.0 | 1311.9 | 1295.9 | 1289.8 | 1267.7 | 1244.6 | 1233.5 | 1215.4 | 1205.4 |
| 20°   | 1465.8 | 1462.7 | 1442.6 | 1432.6 | 1412.5 | 1384.3 | 1356.2 | 1326.0 | 1307.9 | 1285.8 | 1273.7 |
| 22.5° | 1615.6 | 1593.4 | 1583.4 | 1568.3 | 1537.1 | 1505.0 | 1462.7 | 1422.5 | 1394.4 | 1379.3 | 1370.3 |
| 25°   | 1790.5 | 1768.4 | 1758.3 | 1738.2 | 1700.0 | 1665.8 | 1613.5 | 1566.3 | 1541.2 | 1516.0 | 1502.0 |
| 27.5° | 2022.7 | 2001.6 | 1989.5 | 1937.3 | 1924.2 | 1867.9 | 1803.6 | 1739.2 | 1706.0 | 1668.8 | 1644.7 |
| 30°   | 2369.6 | 2370.6 | 2308.2 | 2244.9 | 2179.5 | 2082.0 | 2014.7 | 1942.3 | 1888.0 | 1834.7 | 1781.4 |
| 32.5° | 2955.7 | 2805.9 | 2690.2 | 2554.5 | 2412.8 | 2309.2 | 2225.8 | 2139.3 | 2063.9 | 1986.5 | 1898.1 |
| 35°   | 3313.5 | 3241.2 | 3091.4 | 2843.1 | 2700.3 | 2574.6 | 2482.1 | 2377.6 | 2285.1 | 2148.4 | 2013.7 |
| 37.5° | 3717.7 | 3549.8 | 3367.8 | 3230.1 | 3068.3 | 2922.5 | 2767.7 | 2649.0 | 2489.2 | 2305.2 | 2114.2 |
| 40°   | 4307.8 | 4067.5 | 3848.4 | 3663.4 | 3454.3 | 3301.5 | 3128.6 | 2956.7 | 2744.5 | 2478.1 | 2215.7 |
| 42.5° | 4924.1 | 4675.8 | 4386.2 | 4146.0 | 3899.7 | 3720.7 | 3506.6 | 3265.3 | 2953.6 | 2623.9 | 2303.2 |
| 45°   | 5570.5 | 5238.7 | 4891.9 | 4598.4 | 4342.0 | 4119.8 | 3854.4 | 3534.7 | 3154.7 | 2754.6 | 2384.6 |
| 47.5° | 6207.9 | 5826.9 | 5413.7 | 5098.0 | 4764.2 | 4492.8 | 4167.1 | 3762.9 | 3311.5 | 2878.2 | 2466.1 |
| 50°   | 6769.9 | 6402.9 | 5905.3 | 5504.2 | 5166.4 | 4831.6 | 4425.4 | 3938.9 | 3435.2 | 2984.8 | 2539.5 |
| 52.5° | 7254.4 | 6938.8 | 6415.0 | 5908.3 | 5519.2 | 5143.2 | 4633.5 | 4080.6 | 3559.9 | 3083.3 | 2599.8 |
| 55°   | 7610.3 | 7400.2 | 6917.6 | 6289.3 | 5829.9 | 5381.5 | 4809.5 | 4217.3 | 3677.5 | 3161.7 | 2639.0 |
| 57.5° | 7878.7 | 7762.1 | 7347.9 | 6648.2 | 6115.4 | 5612.7 | 4991.4 | 4381.2 | 3794.1 | 3229.1 | 2657.1 |
| 60°   | 8025.5 | 8057.7 | 7673.6 | 6961.9 | 6367.7 | 5805.7 | 5173.4 | 4520.9 | 3880.6 | 3268.3 | 2647.0 |
| 62.5° | 8011.4 | 8208.5 | 7917.9 | 7154.9 | 6514.5 | 5920.4 | 5296.1 | 4586.3 | 3868.5 | 3206.0 | 2555.5 |
| 63°   | 7984.3 | 8213.5 | 7945.1 | 7168.0 | 6523.6 | 5924.4 | 5299.1 | 4577.2 | 3843.4 | 3175.8 | 2519.3 |
| 65°   | 7750.0 | 8097.9 | 7922.0 | 7108.7 | 6443.1 | 5849.0 | 5235.7 | 4446.6 | 3666.4 | 3014.0 | 2333.4 |
| 67.5° | 7122.7 | 7558.0 | 7507.8 | 6689.4 | 6062.1 | 5537.3 | 4912.0 | 4025.3 | 3229.1 | 2615.9 | 1977.5 |
| 70°   | 6086.2 | 6495.4 | 6504.5 | 5817.8 | 5294.0 | 4779.3 | 4259.6 | 3275.3 | 2559.6 | 2027.7 | 1474.8 |
| 72.5° | 4664.7 | 4928.1 | 5019.6 | 4567.2 | 4216.3 | 3854.4 | 3387.9 | 2377.6 | 1824.7 | 1379.3 | 960.1  |
| 75°   | 3612.1 | 3539.7 | 3538.7 | 3347.7 | 3205.0 | 3028.0 | 2515.3 | 1604.5 | 1198.3 | 896.7  | 587.1  |
| 77.5° | 3247.2 | 2925.5 | 2613.8 | 2384.6 | 2270.0 | 2210.7 | 1649.7 | 967.1  | 706.7  | 515.7  | 337.8  |
| 80°   | 2678.2 | 2203.7 | 1780.4 | 1533.1 | 1434.6 | 1503.0 | 919.9  | 522.8  | 387.0  | 293.6  | 219.2  |
| 82.5° | 1846.8 | 1533.1 | 1165.2 | 965.1  | 828.4  | 866.6  | 470.5  | 267.4  | 178.9  | 163.9  | 135.7  |
| 85°   | 962.1  | 843.5  | 711.8  | 611.2  | 539.9  | 474.5  | 244.3  | 127.7  | 74.4   | 65.3   | 59.3   |
| 87.5° | 0.0    | 1.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1063.6 | 1062.6 | 1064.6 | 1065.6 | 1068.7 | 1070.7 | 1071.7 | 1069.7 | 1072.7 | 1075.7 | 1073.7 |
| 5°    | 1091.8 | 1098.8 | 1099.8 | 1102.8 | 1102.8 | 1108.9 | 1108.9 | 1108.9 | 1107.9 | 1108.9 | 1106.9 |
| 7.5°  | 1115.9 | 1125.0 | 1126.0 | 1130.0 | 1131.0 | 1138.0 | 1135.0 | 1137.0 | 1137.0 | 1132.0 | 1130.0 |
| 10°   | 1118.9 | 1128.0 | 1133.0 | 1138.0 | 1145.1 | 1154.1 | 1154.1 | 1159.1 | 1159.1 | 1155.1 | 1154.1 |
| 12.5° | 1119.9 | 1127.0 | 1132.0 | 1139.0 | 1149.1 | 1162.2 | 1169.2 | 1176.2 | 1179.2 | 1178.2 | 1175.2 |
| 15°   | 1141.0 | 1141.0 | 1142.0 | 1148.1 | 1155.1 | 1171.2 | 1181.3 | 1189.3 | 1194.3 | 1192.3 | 1187.3 |
| 17.5° | 1196.3 | 1188.3 | 1182.3 | 1172.2 | 1174.2 | 1182.3 | 1188.3 | 1195.3 | 1196.3 | 1194.3 | 1186.3 |
| 20°   | 1260.7 | 1250.6 | 1235.5 | 1219.5 | 1211.4 | 1205.4 | 1201.4 | 1201.4 | 1198.3 | 1188.3 | 1175.2 |
| 22.5° | 1352.2 | 1339.1 | 1318.0 | 1293.9 | 1277.8 | 1258.7 | 1235.5 | 1213.4 | 1189.3 | 1165.2 | 1137.0 |
| 25°   | 1478.8 | 1460.7 | 1438.6 | 1401.4 | 1367.2 | 1327.0 | 1279.8 | 1230.5 | 1173.2 | 1122.9 | 1081.7 |
| 27.5° | 1606.5 | 1566.3 | 1509.0 | 1457.7 | 1394.4 | 1334.1 | 1266.7 | 1206.4 | 1133.0 | 1072.7 | 1027.4 |
| 30°   | 1712.1 | 1635.7 | 1553.2 | 1471.8 | 1388.4 | 1306.9 | 1226.5 | 1154.1 | 1073.7 | 1012.4 | 968.1  |
| 32.5° | 1793.5 | 1687.9 | 1573.3 | 1466.8 | 1364.2 | 1264.7 | 1172.2 | 1091.8 | 1010.4 | 947.0  | 899.8  |
| 35°   | 1868.9 | 1722.1 | 1576.3 | 1444.7 | 1318.0 | 1214.4 | 1109.9 | 1022.4 | 936.0  | 869.6  | 818.3  |
| 37.5° | 1925.2 | 1738.2 | 1558.3 | 1403.4 | 1257.7 | 1142.0 | 1035.5 | 946.0  | 857.5  | 785.2  | 726.8  |
| 40°   | 1961.4 | 1728.2 | 1519.0 | 1344.1 | 1186.3 | 1064.6 | 956.1  | 863.6  | 778.1  | 698.7  | 628.3  |
| 42.5° | 1990.5 | 1715.1 | 1479.8 | 1289.8 | 1130.0 | 997.3  | 885.7  | 786.2  | 699.7  | 613.2  | 535.8  |
| 45°   | 2033.8 | 1725.1 | 1462.7 | 1251.6 | 1079.7 | 940.0  | 817.3  | 713.8  | 623.3  | 538.9  | 464.5  |
| 47.5° | 2076.0 | 1730.2 | 1437.6 | 1204.4 | 1016.4 | 880.7  | 756.0  | 655.5  | 563.0  | 485.6  | 417.2  |
| 50°   | 2114.2 | 1727.1 | 1398.4 | 1144.1 | 955.1  | 821.4  | 700.7  | 600.2  | 508.7  | 437.3  | 373.0  |
| 52.5° | 2132.3 | 1710.1 | 1350.2 | 1085.8 | 905.8  | 769.1  | 646.4  | 548.9  | 458.4  | 391.1  | 331.8  |
| 55°   | 2130.3 | 1665.8 | 1286.8 | 1030.5 | 851.5  | 713.8  | 593.1  | 496.6  | 415.2  | 352.9  | 301.6  |
| 57.5° | 2100.1 | 1597.5 | 1219.5 | 969.1  | 780.1  | 645.4  | 530.8  | 437.3  | 369.0  | 316.7  | 273.4  |
| 60°   | 2036.8 | 1510.0 | 1131.0 | 879.7  | 690.7  | 561.0  | 453.4  | 373.0  | 317.7  | 277.5  | 249.3  |
| 62.5° | 1918.2 | 1384.3 | 1020.4 | 755.0  | 570.0  | 451.4  | 357.9  | 305.6  | 264.4  | 240.3  | 227.2  |
| 63°   | 1883.0 | 1350.2 | 973.2  | 724.8  | 541.9  | 426.3  | 337.8  | 283.5  | 253.3  | 232.2  | 220.2  |
| 65°   | 1708.0 | 1182.3 | 814.3  | 585.1  | 421.2  | 328.7  | 271.4  | 230.2  | 212.1  | 203.1  | 202.1  |
| 67.5° | 1383.3 | 929.9  | 576.1  | 401.1  | 286.5  | 237.3  | 208.1  | 191.0  | 183.0  | 181.0  | 183.0  |
| 70°   | 971.1  | 587.1  | 365.9  | 266.4  | 212.1  | 191.0  | 177.9  | 170.9  | 165.9  | 166.9  | 168.9  |
| 72.5° | 619.3  | 351.9  | 251.3  | 202.1  | 178.9  | 167.9  | 161.9  | 159.8  | 158.8  | 157.8  | 157.8  |
| 75°   | 352.9  | 234.2  | 193.0  | 174.9  | 162.9  | 153.8  | 148.8  | 146.8  | 147.8  | 148.8  | 146.8  |
| 77.5° | 233.2  | 193.0  | 171.9  | 159.8  | 148.8  | 138.7  | 135.7  | 134.7  | 136.7  | 138.7  | 138.7  |
| 80°   | 184.0  | 171.9  | 159.8  | 147.8  | 129.7  | 122.6  | 124.7  | 125.7  | 124.7  | 125.7  | 122.6  |
| 82.5° | 129.7  | 127.7  | 130.7  | 125.7  | 107.6  | 101.5  | 99.5   | 100.5  | 98.5   | 98.5   | 96.5   |
| 85°   | 60.3   | 60.3   | 63.3   | 63.3   | 61.3   | 62.3   | 67.4   | 73.4   | 76.4   | 73.4   | 69.4   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 9.0    | 18.1   | 26.1   | 28.1   | 35.2   | 34.2   |
| 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: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 165°   | 170°   | 175°   | 180°   | 185°   | 190°   | 195°   | 200°   | 205°   | 210°   | 215°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1070.7 | 1072.7 | 1071.7 | 1070.7 | 1072.7 | 1070.7 | 1071.7 | 1070.7 | 1070.7 | 1069.7 | 1069.7 |
| 5°    | 1104.9 | 1107.9 | 1101.8 | 1100.8 | 1098.8 | 1093.8 | 1093.8 | 1091.8 | 1091.8 | 1087.8 | 1084.7 |
| 7.5°  | 1127.0 | 1128.0 | 1122.9 | 1121.9 | 1116.9 | 1111.9 | 1107.9 | 1103.8 | 1102.8 | 1099.8 | 1093.8 |
| 10°   | 1148.1 | 1146.1 | 1142.0 | 1137.0 | 1132.0 | 1125.0 | 1119.9 | 1114.9 | 1113.9 | 1108.9 | 1101.8 |
| 12.5° | 1166.2 | 1165.2 | 1157.1 | 1152.1 | 1144.1 | 1137.0 | 1131.0 | 1125.0 | 1121.9 | 1115.9 | 1105.9 |
| 15°   | 1178.2 | 1172.2 | 1162.2 | 1153.1 | 1144.1 | 1136.0 | 1129.0 | 1121.9 | 1118.9 | 1111.9 | 1101.8 |
| 17.5° | 1173.2 | 1162.2 | 1149.1 | 1138.0 | 1126.0 | 1115.9 | 1109.9 | 1102.8 | 1097.8 | 1093.8 | 1079.7 |
| 20°   | 1155.1 | 1139.0 | 1118.9 | 1105.9 | 1089.8 | 1076.7 | 1072.7 | 1065.6 | 1061.6 | 1046.5 | 1028.4 |
| 22.5° | 1107.9 | 1084.7 | 1059.6 | 1040.5 | 1022.4 | 1009.3 | 999.3  | 992.3  | 982.2  | 973.2  | 945.0  |
| 25°   | 1048.6 | 1022.4 | 996.3  | 973.2  | 949.0  | 928.9  | 910.8  | 893.7  | 888.7  | 869.6  | 842.5  |
| 27.5° | 991.3  | 962.1  | 936.0  | 908.8  | 877.6  | 852.5  | 821.4  | 797.2  | 781.1  | 761.0  | 735.9  |
| 30°   | 929.9  | 900.8  | 865.6  | 829.4  | 793.2  | 766.1  | 730.9  | 701.7  | 681.6  | 660.5  | 637.4  |
| 32.5° | 852.5  | 817.3  | 775.1  | 734.9  | 701.7  | 669.5  | 634.4  | 606.2  | 586.1  | 567.0  | 544.9  |
| 35°   | 764.0  | 717.8  | 672.6  | 628.3  | 593.1  | 566.0  | 534.8  | 513.7  | 499.6  | 482.6  | 459.4  |
| 37.5° | 662.5  | 610.2  | 562.0  | 527.8  | 496.6  | 470.5  | 448.4  | 435.3  | 420.2  | 411.2  | 397.1  |
| 40°   | 560.0  | 508.7  | 461.4  | 430.3  | 404.1  | 389.1  | 377.0  | 374.0  | 363.9  | 351.9  | 342.8  |
| 42.5° | 469.5  | 420.2  | 374.0  | 348.8  | 331.8  | 327.7  | 321.7  | 321.7  | 316.7  | 307.6  | 301.6  |
| 45°   | 408.2  | 356.9  | 316.7  | 298.6  | 289.5  | 288.5  | 285.5  | 285.5  | 284.5  | 280.5  | 273.4  |
| 47.5° | 363.9  | 317.7  | 286.5  | 275.5  | 273.4  | 271.4  | 268.4  | 267.4  | 266.4  | 263.4  | 259.4  |
| 50°   | 323.7  | 284.5  | 264.4  | 259.4  | 260.4  | 257.4  | 254.3  | 251.3  | 250.3  | 247.3  | 243.3  |
| 52.5° | 286.5  | 258.4  | 245.3  | 242.3  | 242.3  | 242.3  | 240.3  | 240.3  | 238.3  | 237.3  | 233.2  |
| 55°   | 265.4  | 244.3  | 237.3  | 236.3  | 235.2  | 234.2  | 232.2  | 232.2  | 230.2  | 229.2  | 224.2  |
| 57.5° | 247.3  | 234.2  | 230.2  | 228.2  | 227.2  | 225.2  | 224.2  | 224.2  | 224.2  | 224.2  | 218.2  |
| 60°   | 233.2  | 227.2  | 226.2  | 224.2  | 223.2  | 219.2  | 217.2  | 216.1  | 217.2  | 218.2  | 212.1  |
| 62.5° | 218.2  | 217.2  | 216.1  | 214.1  | 213.1  | 209.1  | 206.1  | 204.1  | 206.1  | 208.1  | 207.1  |
| 63°   | 214.1  | 213.1  | 213.1  | 212.1  | 211.1  | 206.1  | 203.1  | 201.1  | 203.1  | 205.1  | 205.1  |
| 65°   | 200.1  | 201.1  | 201.1  | 200.1  | 199.1  | 196.0  | 192.0  | 190.0  | 191.0  | 194.0  | 195.0  |
| 67.5° | 185.0  | 186.0  | 185.0  | 186.0  | 185.0  | 183.0  | 180.0  | 177.9  | 176.9  | 177.9  | 178.9  |
| 70°   | 170.9  | 172.9  | 171.9  | 170.9  | 169.9  | 169.9  | 167.9  | 164.9  | 163.9  | 162.9  | 162.9  |
| 72.5° | 158.8  | 158.8  | 156.8  | 156.8  | 155.8  | 155.8  | 153.8  | 150.8  | 149.8  | 149.8  | 147.8  |
| 75°   | 145.8  | 145.8  | 142.8  | 142.8  | 140.7  | 141.8  | 139.7  | 136.7  | 135.7  | 135.7  | 134.7  |
| 77.5° | 137.7  | 134.7  | 129.7  | 128.7  | 127.7  | 127.7  | 126.7  | 123.7  | 122.6  | 122.6  | 121.6  |
| 80°   | 121.6  | 115.6  | 110.6  | 109.6  | 110.6  | 112.6  | 112.6  | 110.6  | 110.6  | 110.6  | 110.6  |
| 82.5° | 94.5   | 92.5   | 89.5   | 87.5   | 87.5   | 90.5   | 94.5   | 96.5   | 98.5   | 100.5  | 100.5  |
| 85°   | 69.4   | 70.4   | 69.4   | 66.4   | 65.3   | 68.4   | 72.4   | 76.4   | 77.4   | 81.4   | 80.4   |
| 87.5° | 37.2   | 38.2   | 35.2   | 34.2   | 37.2   | 39.2   | 43.2   | 44.2   | 46.2   | 47.3   | 48.3   |
| 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: P153074

CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

**CANDELA DISTRIBUTION (continued):**

|       | 220°   | 225°   | 230°   | 235°   | 240°   | 245°   | 250°   | 255°   | 260°   | 265°   | 270°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 2.5°  | 1068.7 | 1067.7 | 1068.7 | 1066.6 | 1066.6 | 1064.6 | 1062.6 | 1061.6 | 1059.6 | 1058.6 | 1056.6 |
| 5°    | 1086.8 | 1083.7 | 1080.7 | 1079.7 | 1075.7 | 1071.7 | 1068.7 | 1063.6 | 1059.6 | 1052.6 | 1050.6 |
| 7.5°  | 1098.8 | 1091.8 | 1087.8 | 1086.8 | 1080.7 | 1077.7 | 1070.7 | 1064.6 | 1058.6 | 1049.6 | 1046.5 |
| 10°   | 1103.8 | 1096.8 | 1089.8 | 1086.8 | 1079.7 | 1074.7 | 1067.7 | 1058.6 | 1053.6 | 1044.5 | 1042.5 |
| 12.5° | 1109.9 | 1096.8 | 1085.8 | 1077.7 | 1067.7 | 1056.6 | 1049.6 | 1044.5 | 1037.5 | 1032.5 | 1030.5 |
| 15°   | 1098.8 | 1081.7 | 1064.6 | 1049.6 | 1033.5 | 1021.4 | 1014.4 | 1006.3 | 998.3  | 995.3  | 995.3  |
| 17.5° | 1068.7 | 1046.5 | 1017.4 | 998.3  | 981.2  | 968.1  | 959.1  | 951.0  | 950.0  | 946.0  | 948.0  |
| 20°   | 1006.3 | 977.2  | 949.0  | 935.0  | 924.9  | 916.9  | 907.8  | 903.8  | 900.8  | 894.7  | 892.7  |
| 22.5° | 919.9  | 895.7  | 875.6  | 865.6  | 857.5  | 847.5  | 839.4  | 827.4  | 824.4  | 818.3  | 815.3  |
| 25°   | 824.4  | 805.3  | 788.2  | 781.1  | 776.1  | 762.0  | 757.0  | 740.9  | 729.9  | 722.8  | 726.8  |
| 27.5° | 728.9  | 714.8  | 698.7  | 689.7  | 686.6  | 673.6  | 668.5  | 650.4  | 641.4  | 641.4  | 631.3  |
| 30°   | 630.3  | 617.3  | 607.2  | 597.2  | 595.2  | 579.1  | 566.0  | 559.0  | 548.9  | 544.9  | 537.8  |
| 32.5° | 537.8  | 524.8  | 516.7  | 511.7  | 503.7  | 490.6  | 477.5  | 465.5  | 449.4  | 443.3  | 440.3  |
| 35°   | 452.4  | 442.3  | 432.3  | 428.3  | 417.2  | 403.1  | 387.0  | 377.0  | 357.9  | 350.9  | 347.8  |
| 37.5° | 387.0  | 375.0  | 367.9  | 356.9  | 345.8  | 330.8  | 318.7  | 309.6  | 302.6  | 299.6  | 299.6  |
| 40°   | 334.8  | 325.7  | 317.7  | 308.6  | 299.6  | 291.5  | 285.5  | 283.5  | 282.5  | 282.5  | 284.5  |
| 42.5° | 295.6  | 287.5  | 283.5  | 278.5  | 275.5  | 275.5  | 274.5  | 275.5  | 276.5  | 277.5  | 280.5  |
| 45°   | 269.4  | 264.4  | 262.4  | 261.4  | 263.4  | 265.4  | 266.4  | 268.4  | 272.4  | 274.5  | 275.5  |
| 47.5° | 255.4  | 251.3  | 250.3  | 251.3  | 254.3  | 258.4  | 262.4  | 265.4  | 268.4  | 269.4  | 270.4  |
| 50°   | 241.3  | 236.3  | 234.2  | 236.3  | 240.3  | 246.3  | 249.3  | 254.3  | 256.4  | 258.4  | 256.4  |
| 52.5° | 229.2  | 225.2  | 224.2  | 224.2  | 228.2  | 232.2  | 236.3  | 240.3  | 241.3  | 241.3  | 240.3  |
| 55°   | 219.2  | 216.1  | 213.1  | 215.1  | 218.2  | 222.2  | 228.2  | 231.2  | 233.2  | 234.2  | 234.2  |
| 57.5° | 211.1  | 208.1  | 205.1  | 207.1  | 210.1  | 214.1  | 220.2  | 223.2  | 225.2  | 228.2  | 229.2  |
| 60°   | 205.1  | 201.1  | 198.0  | 201.1  | 204.1  | 210.1  | 215.1  | 218.2  | 223.2  | 224.2  | 224.2  |
| 62.5° | 199.1  | 195.0  | 190.0  | 193.0  | 193.0  | 196.0  | 201.1  | 205.1  | 210.1  | 212.1  | 212.1  |
| 63°   | 198.0  | 194.0  | 189.0  | 191.0  | 191.0  | 193.0  | 197.0  | 201.1  | 207.1  | 209.1  | 208.1  |
| 65°   | 190.0  | 189.0  | 184.0  | 184.0  | 182.0  | 184.0  | 187.0  | 191.0  | 194.0  | 197.0  | 197.0  |
| 67.5° | 176.9  | 175.9  | 174.9  | 174.9  | 174.9  | 176.9  | 178.9  | 182.0  | 185.0  | 187.0  | 186.0  |
| 70°   | 161.9  | 161.9  | 161.9  | 162.9  | 162.9  | 164.9  | 165.9  | 164.9  | 167.9  | 169.9  | 168.9  |
| 72.5° | 148.8  | 147.8  | 146.8  | 148.8  | 147.8  | 147.8  | 149.8  | 148.8  | 151.8  | 151.8  | 152.8  |
| 75°   | 134.7  | 133.7  | 133.7  | 134.7  | 132.7  | 130.7  | 131.7  | 131.7  | 132.7  | 132.7  | 134.7  |
| 77.5° | 122.6  | 122.6  | 122.6  | 121.6  | 119.6  | 118.6  | 117.6  | 117.6  | 117.6  | 117.6  | 118.6  |
| 80°   | 111.6  | 111.6  | 111.6  | 110.6  | 108.6  | 106.6  | 104.6  | 103.5  | 102.5  | 97.5   | 97.5   |
| 82.5° | 100.5  | 100.5  | 100.5  | 100.5  | 99.5   | 97.5   | 94.5   | 86.5   | 82.4   | 78.4   | 79.4   |
| 85°   | 79.4   | 81.4   | 83.4   | 86.5   | 85.5   | 85.5   | 79.4   | 69.4   | 63.3   | 59.3   | 60.3   |
| 87.5° | 51.3   | 45.2   | 45.2   | 44.2   | 42.2   | 40.2   | 40.2   | 34.2   | 28.1   | 25.1   | 26.1   |
| 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: P153074  
 CATALOG NUMBER: TMU-F04-LED-E-U-SLL-7030

REPORT N  
 CATALOG

**CANDELA DISTRIBUTION (continued):**

**CANDELA**

|       | 275°   | 280°   | 285°   | 290°   | 295°   | 300°   | 305°   | 310°   | 315°   | 320°   | 325°   |       |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|
| 0°    | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 0°    |
| 2.5°  | 1056.6 | 1054.6 | 1052.6 | 1052.6 | 1049.6 | 1049.6 | 1047.5 | 1051.6 | 1047.5 | 1044.5 | 1044.5 | 2.5°  |
| 5°    | 1048.6 | 1046.5 | 1040.5 | 1039.5 | 1035.5 | 1035.5 | 1035.5 | 1033.5 | 1033.5 | 1031.5 | 1030.5 | 5°    |
| 7.5°  | 1043.5 | 1038.5 | 1033.5 | 1030.5 | 1030.5 | 1028.4 | 1032.5 | 1030.5 | 1031.5 | 1031.5 | 1032.5 | 7.5°  |
| 10°   | 1039.5 | 1035.5 | 1033.5 | 1032.5 | 1032.5 | 1035.5 | 1038.5 | 1039.5 | 1038.5 | 1039.5 | 1039.5 | 10°   |
| 12.5° | 1029.5 | 1031.5 | 1032.5 | 1036.5 | 1041.5 | 1047.5 | 1054.6 | 1055.6 | 1057.6 | 1057.6 | 1059.6 | 12.5° |
| 15°   | 997.3  | 1002.3 | 1008.3 | 1018.4 | 1031.5 | 1044.5 | 1057.6 | 1068.7 | 1078.7 | 1083.7 | 1087.8 | 15°   |
| 17.5° | 952.0  | 957.1  | 968.1  | 979.2  | 996.3  | 1015.4 | 1037.5 | 1056.6 | 1077.7 | 1096.8 | 1115.9 | 17.5° |
| 20°   | 890.7  | 898.8  | 901.8  | 921.9  | 942.0  | 968.1  | 994.3  | 1024.4 | 1060.6 | 1096.8 | 1134.0 | 20°   |
| 22.5° | 811.3  | 820.3  | 834.4  | 850.5  | 871.6  | 903.8  | 935.0  | 982.2  | 1030.5 | 1081.7 | 1140.0 | 22.5° |
| 25°   | 722.8  | 732.9  | 744.9  | 762.0  | 783.1  | 817.3  | 862.6  | 912.8  | 972.1  | 1039.5 | 1111.9 | 25°   |
| 27.5° | 631.3  | 641.4  | 651.5  | 663.5  | 687.6  | 723.8  | 777.1  | 829.4  | 894.7  | 968.1  | 1052.6 | 27.5° |
| 30°   | 539.9  | 540.9  | 546.9  | 562.0  | 587.1  | 634.4  | 673.6  | 738.9  | 807.3  | 884.7  | 982.2  | 30°   |
| 32.5° | 439.3  | 438.3  | 445.4  | 458.4  | 482.6  | 527.8  | 576.1  | 639.4  | 706.7  | 804.3  | 904.8  | 32.5° |
| 35°   | 349.9  | 349.9  | 362.9  | 376.0  | 403.1  | 435.3  | 477.5  | 533.8  | 613.2  | 703.7  | 804.3  | 35°   |
| 37.5° | 302.6  | 309.6  | 317.7  | 330.8  | 351.9  | 377.0  | 414.2  | 463.5  | 525.8  | 612.2  | 704.7  | 37.5° |
| 40°   | 287.5  | 291.5  | 298.6  | 310.6  | 328.7  | 351.9  | 379.0  | 416.2  | 464.5  | 533.8  | 618.3  | 40°   |
| 42.5° | 281.5  | 282.5  | 286.5  | 295.6  | 311.7  | 334.8  | 362.9  | 396.1  | 432.3  | 481.6  | 554.9  | 42.5° |
| 45°   | 275.5  | 274.5  | 276.5  | 283.5  | 296.6  | 322.7  | 354.9  | 391.1  | 427.3  | 468.5  | 528.8  | 45°   |
| 47.5° | 270.4  | 270.4  | 270.4  | 273.4  | 285.5  | 311.7  | 348.8  | 391.1  | 434.3  | 480.5  | 539.9  | 47.5° |
| 50°   | 256.4  | 255.4  | 255.4  | 257.4  | 266.4  | 294.6  | 338.8  | 390.1  | 446.4  | 506.7  | 574.0  | 50°   |
| 52.5° | 240.3  | 240.3  | 241.3  | 242.3  | 250.3  | 278.5  | 327.7  | 390.1  | 460.4  | 540.9  | 625.3  | 52.5° |
| 55°   | 235.2  | 236.3  | 237.3  | 236.3  | 242.3  | 266.4  | 315.7  | 384.0  | 466.5  | 568.0  | 680.6  | 55°   |
| 57.5° | 231.2  | 233.2  | 233.2  | 232.2  | 236.3  | 256.4  | 303.6  | 372.0  | 461.4  | 578.1  | 719.8  | 57.5° |
| 60°   | 225.2  | 225.2  | 225.2  | 222.2  | 224.2  | 242.3  | 285.5  | 352.9  | 445.4  | 569.0  | 725.8  | 60°   |
| 62.5° | 212.1  | 212.1  | 210.1  | 209.1  | 208.1  | 222.2  | 261.4  | 324.7  | 416.2  | 544.9  | 710.8  | 62.5° |
| 63°   | 209.1  | 208.1  | 208.1  | 205.1  | 205.1  | 218.2  | 256.4  | 320.7  | 408.2  | 538.9  | 704.7  | 63°   |
| 65°   | 198.0  | 198.0  | 198.0  | 196.0  | 195.0  | 205.1  | 236.3  | 292.5  | 377.0  | 510.7  | 674.6  | 65°   |
| 67.5° | 186.0  | 187.0  | 185.0  | 184.0  | 183.0  | 189.0  | 213.1  | 257.4  | 328.7  | 451.4  | 618.3  | 67.5° |
| 70°   | 168.9  | 169.9  | 169.9  | 168.9  | 167.9  | 171.9  | 187.0  | 221.2  | 272.4  | 376.0  | 526.8  | 70°   |
| 72.5° | 153.8  | 155.8  | 155.8  | 157.8  | 157.8  | 160.9  | 166.9  | 184.0  | 218.2  | 293.6  | 414.2  | 72.5° |
| 75°   | 137.7  | 138.7  | 140.7  | 142.8  | 140.7  | 139.7  | 140.7  | 153.8  | 170.9  | 217.2  | 295.6  | 75°   |
| 77.5° | 123.7  | 126.7  | 126.7  | 125.7  | 122.6  | 120.6  | 120.6  | 126.7  | 140.7  | 164.9  | 211.1  | 77.5° |
| 80°   | 102.5  | 107.6  | 108.6  | 105.6  | 102.5  | 102.5  | 104.6  | 108.6  | 117.6  | 135.7  | 159.8  | 80°   |
| 82.5° | 82.4   | 87.5   | 88.5   | 89.5   | 88.5   | 91.5   | 91.5   | 92.5   | 97.5   | 111.6  | 130.7  | 82.5° |
| 85°   | 63.3   | 67.4   | 70.4   | 71.4   | 72.4   | 73.4   | 72.4   | 67.4   | 70.4   | 79.4   | 88.5   | 85°   |
| 87.5° | 28.1   | 29.2   | 27.1   | 28.1   | 27.1   | 28.1   | 29.2   | 24.1   | 23.1   | 31.2   | 32.2   | 87.5° |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 90°   |



NUMBER: P153074

NUMBER: TMU-F04-LED-E-U-SLL-7030

**DISTRIBUTION (continued):**

| 330°   | 335°   | 340°   | 345°   | 350°   | 355°   | 360°   |
|--------|--------|--------|--------|--------|--------|--------|
| 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 | 1054.6 |
| 1043.5 | 1043.5 | 1044.5 | 1042.5 | 1042.5 | 1043.5 | 1040.5 |
| 1027.4 | 1031.5 | 1031.5 | 1031.5 | 1029.5 | 1031.5 | 1032.5 |
| 1031.5 | 1034.5 | 1036.5 | 1036.5 | 1035.5 | 1039.5 | 1042.5 |
| 1036.5 | 1041.5 | 1043.5 | 1043.5 | 1043.5 | 1048.6 | 1055.6 |
| 1055.6 | 1059.6 | 1062.6 | 1062.6 | 1064.6 | 1070.7 | 1078.7 |
| 1090.8 | 1095.8 | 1095.8 | 1094.8 | 1100.8 | 1107.9 | 1116.9 |
| 1130.0 | 1144.1 | 1151.1 | 1150.1 | 1155.1 | 1164.2 | 1174.2 |
| 1167.2 | 1206.4 | 1223.5 | 1235.5 | 1240.6 | 1252.6 | 1255.7 |
| 1198.3 | 1263.7 | 1310.9 | 1351.2 | 1370.3 | 1382.3 | 1396.4 |
| 1187.3 | 1275.8 | 1360.2 | 1442.6 | 1500.9 | 1560.3 | 1585.4 |
| 1142.0 | 1252.6 | 1363.2 | 1483.9 | 1589.4 | 1695.0 | 1771.4 |
| 1086.8 | 1219.5 | 1368.2 | 1539.2 | 1706.0 | 1867.9 | 1996.6 |
| 1023.4 | 1188.3 | 1379.3 | 1590.4 | 1809.6 | 2021.7 | 2207.7 |
| 944.0  | 1129.0 | 1352.2 | 1595.5 | 1853.8 | 2111.2 | 2352.5 |
| 843.5  | 1048.6 | 1288.8 | 1559.3 | 1855.8 | 2150.4 | 2438.9 |
| 742.9  | 947.0  | 1208.4 | 1507.0 | 1829.7 | 2159.4 | 2493.2 |
| 672.6  | 856.5  | 1127.0 | 1440.6 | 1787.5 | 2145.4 | 2519.3 |
| 624.3  | 791.2  | 1054.6 | 1380.3 | 1742.2 | 2120.2 | 2523.4 |
| 620.3  | 763.0  | 1007.3 | 1336.1 | 1706.0 | 2098.1 | 2523.4 |
| 654.5  | 778.1  | 991.3  | 1314.0 | 1691.0 | 2091.1 | 2525.4 |
| 718.8  | 838.4  | 1020.4 | 1331.0 | 1703.0 | 2100.1 | 2534.4 |
| 796.2  | 929.9  | 1098.8 | 1390.4 | 1754.3 | 2130.3 | 2554.5 |
| 866.6  | 1035.5 | 1232.5 | 1505.0 | 1847.8 | 2206.7 | 2610.8 |
| 907.8  | 1126.0 | 1374.3 | 1665.8 | 2007.6 | 2358.5 | 2723.4 |
| 912.8  | 1176.2 | 1499.9 | 1840.7 | 2201.7 | 2532.4 | 2903.4 |
| 908.8  | 1180.3 | 1516.0 | 1873.9 | 2242.9 | 2575.6 | 2965.7 |
| 886.7  | 1181.3 | 1561.3 | 1990.5 | 2385.6 | 2757.6 | 3139.6 |
| 830.4  | 1149.1 | 1577.4 | 2082.0 | 2565.6 | 2996.9 | 3464.3 |
| 732.9  | 1057.6 | 1530.1 | 2084.0 | 2635.0 | 3130.6 | 3669.4 |
| 589.1  | 883.7  | 1326.0 | 1896.0 | 2452.0 | 2998.9 | 3616.2 |
| 431.3  | 649.4  | 1002.3 | 1468.8 | 2000.6 | 2496.2 | 3097.4 |
| 286.5  | 420.2  | 675.6  | 1046.5 | 1434.6 | 1796.5 | 2229.8 |
| 197.0  | 260.4  | 395.1  | 629.3  | 877.6  | 1053.6 | 1420.5 |
| 144.8  | 171.9  | 219.2  | 321.7  | 422.2  | 519.8  | 741.9  |
| 90.5   | 98.5   | 109.6  | 158.8  | 227.2  | 306.6  | 462.4  |
| 24.1   | 25.1   | 23.1   | 31.2   | 49.3   | 47.3   | 52.3   |
| 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)