

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: P154661

Luminaire Tested: **TMU-E02-LED-E-U-T2-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154661
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33671)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: TMU-E02-LED-E-U-T2-7050
Description: TALON MEDIUM LED AREA LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6287.7 lumens
Efficiency: N/A
Efficacy: 120.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G2

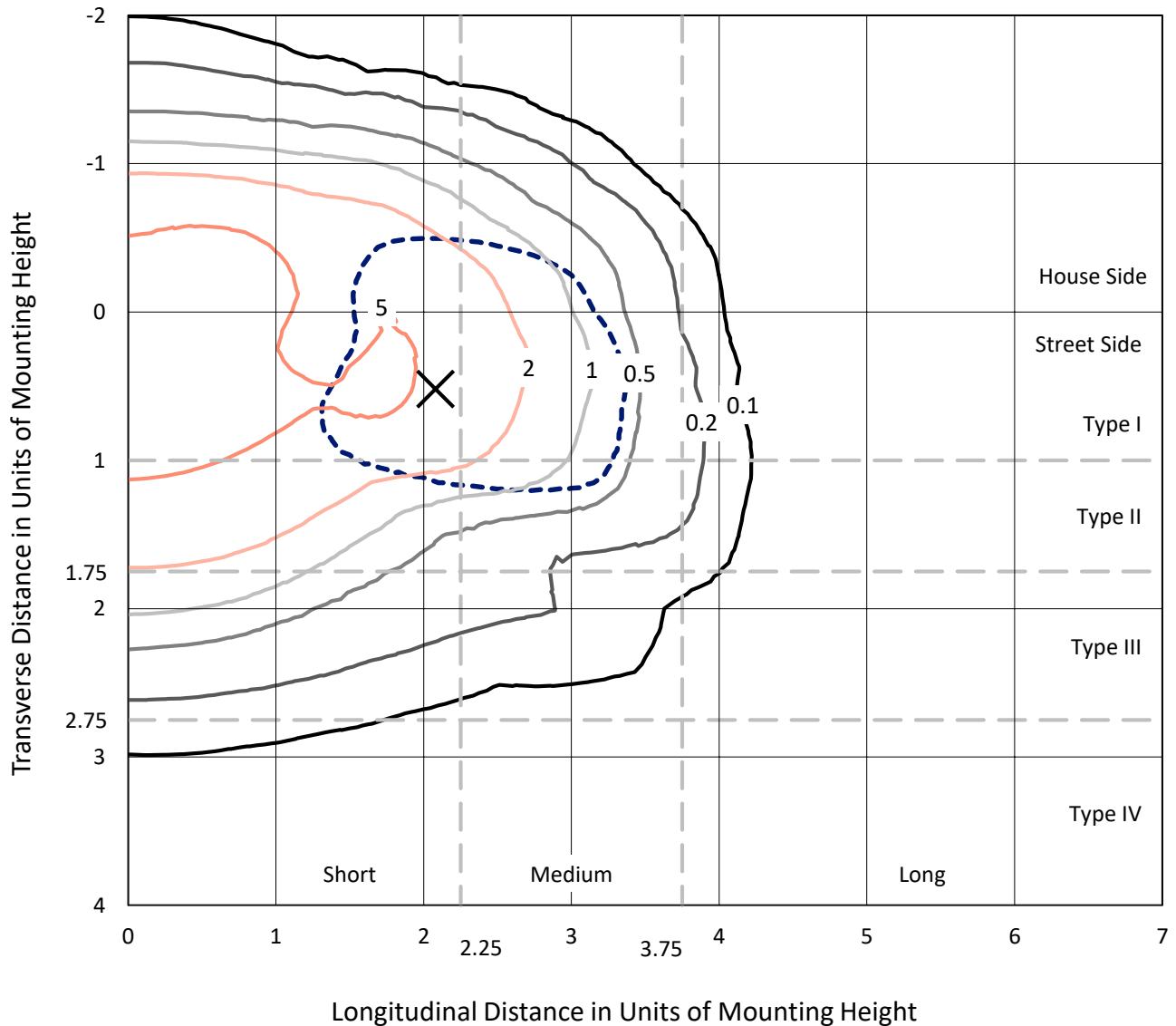
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

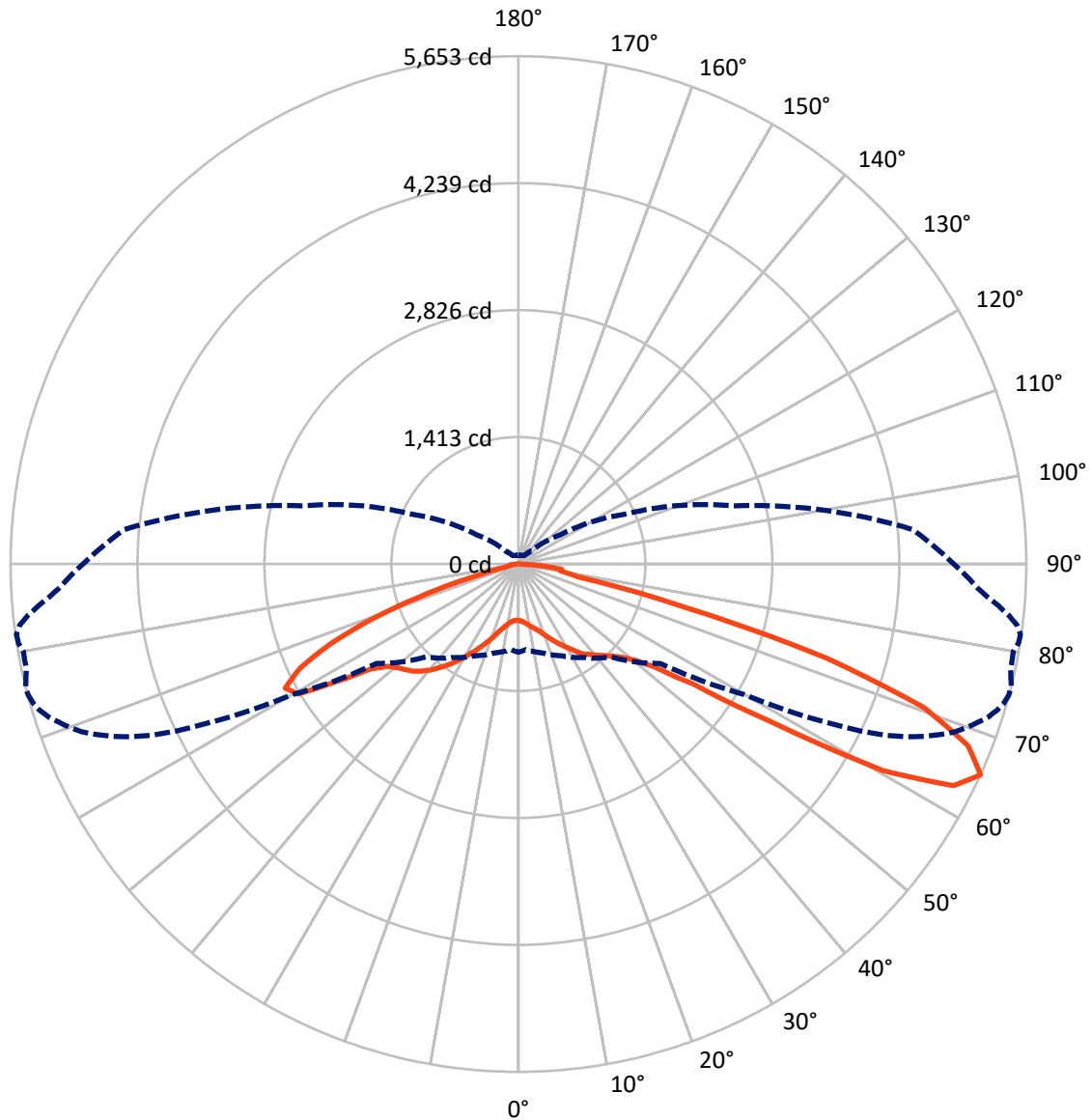
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2201.8 | 0.0 | 2201.8 |
| | % Fixture | 35.0 | 0.0 | 35.0 |
| Street Side | Lumens | 4085.9 | 0.0 | 4085.9 |
| | % Fixture | 65.0 | 0.0 | 65.0 |
| Total | Lumens | 6287.7 | 0.0 | 6287.7 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 62.9 | 1.0 |
| 10°-20° | 216.2 | 3.4 |
| 20°-30° | 424.8 | 6.8 |
| 30°-40° | 705.8 | 11.2 |
| 40°-50° | 1037.2 | 16.5 |
| 50°-60° | 1435.9 | 22.8 |
| 60°-70° | 1713.9 | 27.3 |
| 70°-80° | 606.1 | 9.6 |
| 80°-90° | 84.7 | 1.3 |
| 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° | 6287.7 | 100.0 |
| 0°-180° | 6287.7 | 100.0 |



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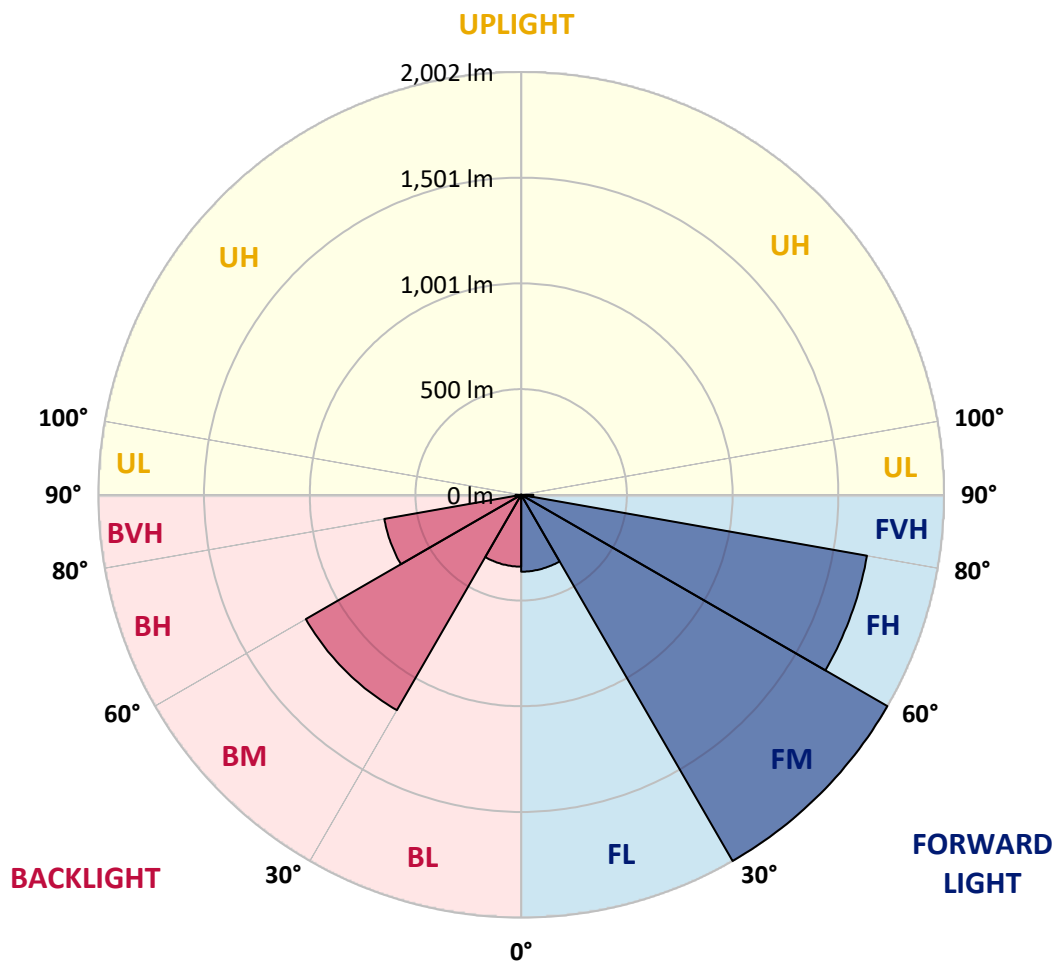
CATALOG NUMBER: TMU-E02-LED-E-U-T2-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 363.8 | 5.8 | | | |
| FM | (30°-60°) | 2001.8 | 31.8 | | | |
| FH | (60°-80°) | 1662.4 | 26.4 | | | G1/1800 |
| FVH | (80°-90°) | 57.9 | 0.9 | | | G1/100 |
| BL | (0°-30°) | 340.2 | 5.4 | B1/500 | | |
| BM | (30°-60°) | 1177.2 | 18.7 | B2/2500 | | |
| BH | (60°-80°) | 657.7 | 10.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 26.8 | 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 II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 |
| 2.5° | 656.0 | 656.7 | 655.3 | 654.7 | 652.6 | 649.2 | 646.4 | 643.7 | 643.7 | 643.7 | 641.7 |
| 5° | 684.8 | 686.1 | 683.4 | 681.3 | 675.2 | 671.8 | 667.0 | 663.5 | 662.2 | 661.5 | 659.4 |
| 7.5° | 721.0 | 719.0 | 714.9 | 713.5 | 708.7 | 701.2 | 692.3 | 685.4 | 685.4 | 684.8 | 685.4 |
| 10° | 757.3 | 751.8 | 749.7 | 747.7 | 740.2 | 730.6 | 720.3 | 712.8 | 712.1 | 711.4 | 709.4 |
| 12.5° | 793.5 | 791.5 | 789.4 | 781.9 | 774.4 | 759.3 | 747.7 | 740.2 | 739.5 | 740.2 | 737.4 |
| 15° | 841.4 | 836.6 | 834.6 | 821.6 | 805.2 | 788.7 | 774.4 | 767.5 | 765.5 | 766.2 | 764.1 |
| 17.5° | 878.3 | 878.3 | 873.6 | 859.2 | 838.0 | 815.4 | 800.4 | 796.3 | 795.6 | 795.6 | 796.3 |
| 20° | 907.8 | 907.1 | 902.3 | 890.7 | 865.3 | 842.8 | 835.2 | 833.9 | 833.2 | 833.2 | 835.2 |
| 22.5° | 924.2 | 922.8 | 920.8 | 907.8 | 887.9 | 872.9 | 873.6 | 877.7 | 879.0 | 880.4 | 883.1 |
| 25° | 932.4 | 930.3 | 929.7 | 920.8 | 906.4 | 904.3 | 916.7 | 927.6 | 930.3 | 933.1 | 936.5 |
| 27.5° | 946.1 | 942.6 | 944.0 | 940.6 | 937.2 | 943.3 | 968.6 | 980.3 | 982.3 | 985.7 | 987.8 |
| 30° | 983.7 | 982.3 | 987.8 | 989.2 | 991.9 | 1000.8 | 1024.1 | 1035.0 | 1039.8 | 1039.8 | 1049.4 |
| 32.5° | 1055.5 | 1056.2 | 1057.6 | 1071.9 | 1076.7 | 1082.9 | 1095.2 | 1104.1 | 1104.8 | 1105.5 | 1114.4 |
| 35° | 1152.0 | 1156.1 | 1167.7 | 1180.0 | 1191.7 | 1191.0 | 1183.4 | 1188.2 | 1184.8 | 1188.9 | 1189.6 |
| 37.5° | 1273.7 | 1268.3 | 1285.4 | 1313.4 | 1331.2 | 1326.4 | 1292.9 | 1271.0 | 1277.2 | 1274.4 | 1272.4 |
| 40° | 1367.5 | 1373.6 | 1406.4 | 1443.4 | 1457.1 | 1472.1 | 1428.3 | 1390.7 | 1385.2 | 1375.0 | 1368.8 |
| 42.5° | 1496.7 | 1497.4 | 1524.1 | 1551.5 | 1591.1 | 1624.0 | 1595.9 | 1541.9 | 1525.5 | 1513.2 | 1486.5 |
| 45° | 1616.5 | 1614.4 | 1636.3 | 1669.8 | 1717.0 | 1764.2 | 1774.5 | 1715.6 | 1709.5 | 1687.6 | 1652.7 |
| 47.5° | 1696.5 | 1693.8 | 1708.8 | 1752.6 | 1829.2 | 1906.5 | 1948.9 | 1931.1 | 1919.5 | 1910.6 | 1855.9 |
| 50° | 1750.5 | 1745.1 | 1762.2 | 1808.7 | 1894.2 | 2013.2 | 2124.0 | 2139.1 | 2134.3 | 2134.3 | 2099.4 |
| 52.5° | 1790.9 | 1790.9 | 1803.2 | 1840.8 | 1927.7 | 2076.2 | 2274.5 | 2350.5 | 2356.6 | 2363.5 | 2361.4 |
| 55° | 1768.3 | 1771.7 | 1802.5 | 1857.3 | 1948.9 | 2119.9 | 2399.0 | 2565.3 | 2599.5 | 2628.2 | 2661.0 |
| 57.5° | 1691.0 | 1702.7 | 1743.7 | 1833.3 | 1954.4 | 2152.8 | 2537.2 | 2866.3 | 2962.7 | 3046.2 | 3176.1 |
| 60° | 1578.2 | 1593.2 | 1652.7 | 1767.0 | 1914.0 | 2099.4 | 2585.8 | 3120.7 | 3274.0 | 3455.9 | 3795.2 |
| 62.5° | 1384.6 | 1399.6 | 1457.8 | 1572.0 | 1697.9 | 1894.9 | 2384.7 | 3158.4 | 3403.2 | 3661.1 | 4174.2 |
| 65° | 981.0 | 957.0 | 1024.1 | 1126.7 | 1271.0 | 1461.9 | 1927.0 | 2905.9 | 3258.2 | 3607.8 | 4241.2 |
| 67.5° | 546.6 | 544.5 | 585.6 | 662.2 | 800.4 | 1005.6 | 1327.8 | 2228.7 | 2553.0 | 2949.0 | 3726.8 |
| 70° | 376.9 | 381.0 | 407.0 | 489.8 | 604.0 | 781.2 | 946.1 | 1399.6 | 1632.9 | 1901.7 | 2666.5 |
| 72.5° | 264.7 | 273.6 | 288.0 | 337.2 | 454.2 | 658.1 | 966.6 | 836.6 | 952.9 | 1136.2 | 1603.5 |
| 75° | 155.3 | 161.4 | 171.7 | 195.6 | 258.6 | 439.9 | 1000.8 | 735.4 | 735.4 | 778.5 | 970.0 |
| 77.5° | 95.8 | 95.8 | 101.9 | 111.5 | 137.5 | 215.5 | 712.8 | 826.4 | 803.1 | 778.5 | 780.5 |
| 80° | 49.3 | 52.7 | 61.6 | 66.4 | 76.6 | 98.5 | 320.1 | 770.9 | 845.5 | 895.4 | 860.6 |
| 82.5° | 22.6 | 25.3 | 37.6 | 40.4 | 44.5 | 52.0 | 110.1 | 438.5 | 587.6 | 773.7 | 966.6 |
| 85° | 11.6 | 11.6 | 19.8 | 24.6 | 26.7 | 23.9 | 40.4 | 177.2 | 268.2 | 409.1 | 640.3 |
| 87.5° | 2.1 | 2.1 | 3.4 | 4.1 | 6.2 | 5.5 | 6.8 | 10.3 | 17.1 | 18.5 | 19.2 |
| 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-E02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 |
| 2.5° | 641.0 | 641.7 | 641.0 | 640.3 | 638.9 | 638.9 | 638.9 | 638.2 | 638.2 | 638.2 | 637.6 |
| 5° | 659.4 | 656.7 | 657.4 | 656.0 | 655.3 | 654.7 | 655.3 | 654.0 | 652.6 | 653.3 | 652.6 |
| 7.5° | 682.7 | 681.3 | 678.6 | 678.6 | 677.9 | 676.5 | 676.5 | 674.5 | 673.8 | 672.4 | 671.8 |
| 10° | 708.7 | 705.3 | 706.6 | 705.3 | 706.0 | 703.2 | 701.9 | 700.5 | 699.1 | 699.1 | 699.8 |
| 12.5° | 735.4 | 734.7 | 732.6 | 731.3 | 731.3 | 729.2 | 729.9 | 729.2 | 727.2 | 726.5 | 724.4 |
| 15° | 762.7 | 762.7 | 760.7 | 761.4 | 760.7 | 759.3 | 757.9 | 757.9 | 756.6 | 755.2 | 755.9 |
| 17.5° | 794.9 | 794.9 | 794.9 | 794.9 | 795.6 | 793.5 | 794.2 | 792.8 | 791.5 | 794.2 | 794.2 |
| 20° | 836.6 | 839.4 | 839.4 | 838.7 | 842.1 | 840.0 | 839.4 | 842.8 | 839.4 | 844.1 | 843.5 |
| 22.5° | 884.5 | 887.2 | 887.2 | 890.0 | 890.7 | 892.7 | 894.1 | 892.7 | 895.4 | 898.2 | 898.2 |
| 25° | 937.9 | 940.6 | 942.6 | 946.8 | 948.8 | 947.4 | 948.1 | 951.5 | 952.9 | 955.6 | 958.4 |
| 27.5° | 994.0 | 994.6 | 997.4 | 1002.2 | 1005.6 | 1007.0 | 1007.6 | 1013.1 | 1013.8 | 1015.2 | 1017.9 |
| 30° | 1048.7 | 1055.5 | 1054.2 | 1060.3 | 1062.4 | 1064.4 | 1068.5 | 1070.6 | 1075.4 | 1078.1 | 1078.1 |
| 32.5° | 1113.0 | 1111.6 | 1117.1 | 1121.9 | 1125.3 | 1128.7 | 1132.1 | 1134.9 | 1137.6 | 1139.0 | 1145.8 |
| 35° | 1193.0 | 1195.8 | 1195.8 | 1196.4 | 1204.6 | 1205.3 | 1208.1 | 1214.2 | 1216.3 | 1220.4 | 1223.1 |
| 37.5° | 1272.4 | 1267.6 | 1266.9 | 1266.9 | 1264.2 | 1266.2 | 1266.9 | 1267.6 | 1270.3 | 1271.0 | 1273.7 |
| 40° | 1361.3 | 1355.1 | 1349.7 | 1346.3 | 1340.8 | 1333.3 | 1331.9 | 1328.5 | 1330.5 | 1329.8 | 1330.5 |
| 42.5° | 1483.1 | 1466.0 | 1453.0 | 1443.4 | 1432.4 | 1424.2 | 1418.1 | 1409.2 | 1403.0 | 1395.5 | 1394.1 |
| 45° | 1638.3 | 1606.2 | 1584.3 | 1568.6 | 1552.8 | 1530.3 | 1517.3 | 1503.6 | 1491.3 | 1479.0 | 1468.7 |
| 47.5° | 1842.2 | 1808.0 | 1773.1 | 1744.4 | 1719.8 | 1683.5 | 1646.6 | 1626.0 | 1602.1 | 1580.9 | 1565.8 |
| 50° | 2082.3 | 2041.3 | 2024.8 | 1984.5 | 1953.7 | 1899.0 | 1853.1 | 1819.6 | 1771.7 | 1739.6 | 1711.5 |
| 52.5° | 2327.9 | 2317.6 | 2308.7 | 2274.5 | 2238.3 | 2206.8 | 2166.5 | 2107.6 | 2059.1 | 2022.1 | 1964.6 |
| 55° | 2662.4 | 2667.2 | 2663.8 | 2645.3 | 2632.3 | 2602.2 | 2585.8 | 2534.5 | 2512.6 | 2459.2 | 2399.0 |
| 57.5° | 3225.4 | 3263.7 | 3312.3 | 3331.4 | 3357.4 | 3332.8 | 3361.5 | 3396.4 | 3309.5 | 3339.6 | 3285.6 |
| 60° | 3944.3 | 4120.2 | 4224.8 | 4353.4 | 4437.6 | 4555.2 | 4576.4 | 4607.2 | 4598.3 | 4615.4 | 4650.3 |
| 62.5° | 4383.5 | 4592.2 | 4792.6 | 4938.3 | 5094.3 | 5180.5 | 5284.4 | 5357.0 | 5432.2 | 5482.8 | 5468.5 |
| 65° | 4512.8 | 4727.6 | 4909.6 | 5069.0 | 5208.5 | 5313.9 | 5410.3 | 5501.3 | 5570.4 | 5619.0 | 5647.7 |
| 67.5° | 4038.1 | 4318.5 | 4510.1 | 4696.8 | 4876.7 | 4987.6 | 5068.3 | 5156.5 | 5257.8 | 5341.9 | 5358.3 |
| 70° | 3038.6 | 3459.3 | 3730.9 | 3954.6 | 4166.0 | 4315.1 | 4428.0 | 4510.1 | 4588.7 | 4648.9 | 4714.6 |
| 72.5° | 1900.3 | 2268.4 | 2578.9 | 2869.0 | 3093.4 | 3298.6 | 3393.7 | 3575.6 | 3551.7 | 3597.5 | 3646.8 |
| 75° | 1139.0 | 1318.2 | 1489.2 | 1693.8 | 1811.4 | 1982.4 | 2013.2 | 2043.3 | 2027.6 | 1976.3 | 2014.6 |
| 77.5° | 791.5 | 820.9 | 819.5 | 807.9 | 795.6 | 765.5 | 726.5 | 705.3 | 690.9 | 670.4 | 678.6 |
| 80° | 796.3 | 732.6 | 635.5 | 534.3 | 441.2 | 379.7 | 355.0 | 355.0 | 380.3 | 416.6 | 452.9 |
| 82.5° | 951.5 | 883.8 | 788.0 | 659.4 | 522.6 | 425.5 | 360.5 | 334.5 | 339.3 | 376.2 | 422.8 |
| 85° | 641.7 | 656.7 | 576.0 | 526.7 | 417.3 | 324.9 | 272.3 | 221.0 | 195.6 | 201.8 | 228.5 |
| 87.5° | 23.3 | 28.0 | 10.3 | 13.7 | 9.6 | 8.2 | 8.2 | 8.9 | 6.2 | 7.5 | 6.8 |
| 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):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 |
| 2.5° | 636.9 | 636.2 | 636.2 | 634.8 | 634.8 | 634.1 | 634.1 | 633.4 | 632.8 | 632.8 | 632.1 |
| 5° | 651.9 | 651.2 | 649.9 | 649.2 | 647.8 | 647.8 | 647.1 | 645.8 | 645.8 | 644.4 | 643.7 |
| 7.5° | 673.1 | 671.8 | 670.4 | 669.7 | 669.0 | 667.0 | 667.0 | 665.6 | 665.6 | 664.2 | 663.5 |
| 10° | 698.4 | 697.1 | 695.7 | 696.4 | 694.3 | 693.6 | 692.3 | 692.3 | 690.2 | 689.5 | 689.5 |
| 12.5° | 725.8 | 725.1 | 725.1 | 723.1 | 722.4 | 721.7 | 719.0 | 719.0 | 719.0 | 717.6 | 718.3 |
| 15° | 755.2 | 755.9 | 753.8 | 755.9 | 755.2 | 753.2 | 753.2 | 753.2 | 750.4 | 753.8 | 751.1 |
| 17.5° | 794.9 | 796.9 | 795.6 | 796.3 | 794.9 | 794.9 | 795.6 | 794.9 | 796.3 | 796.3 | 800.4 |
| 20° | 844.1 | 844.8 | 848.2 | 846.9 | 846.9 | 846.2 | 847.6 | 848.2 | 851.0 | 849.6 | 852.4 |
| 22.5° | 898.2 | 901.6 | 902.3 | 905.0 | 905.0 | 904.3 | 905.7 | 908.4 | 909.8 | 911.9 | 911.2 |
| 25° | 959.8 | 961.8 | 964.5 | 961.1 | 966.6 | 966.6 | 968.0 | 971.4 | 972.1 | 972.1 | 976.9 |
| 27.5° | 1017.2 | 1022.7 | 1023.4 | 1026.8 | 1024.7 | 1026.1 | 1030.9 | 1032.9 | 1035.7 | 1035.7 | 1037.1 |
| 30° | 1082.2 | 1084.3 | 1085.6 | 1089.7 | 1089.0 | 1089.7 | 1090.4 | 1093.8 | 1093.8 | 1097.2 | 1100.7 |
| 32.5° | 1149.2 | 1150.6 | 1152.0 | 1156.1 | 1157.4 | 1160.2 | 1158.8 | 1161.6 | 1165.0 | 1165.7 | 1167.7 |
| 35° | 1229.3 | 1230.6 | 1232.0 | 1238.2 | 1238.9 | 1243.6 | 1245.0 | 1243.6 | 1249.1 | 1245.7 | 1249.1 |
| 37.5° | 1275.8 | 1281.9 | 1283.3 | 1287.4 | 1286.1 | 1289.5 | 1291.5 | 1294.3 | 1295.6 | 1298.4 | 1303.8 |
| 40° | 1332.6 | 1334.6 | 1338.7 | 1340.8 | 1343.5 | 1344.2 | 1346.9 | 1349.0 | 1351.0 | 1357.2 | 1363.4 |
| 42.5° | 1390.7 | 1393.5 | 1395.5 | 1398.2 | 1401.7 | 1404.4 | 1406.4 | 1412.6 | 1414.0 | 1418.1 | 1429.7 |
| 45° | 1461.2 | 1459.8 | 1460.5 | 1461.2 | 1462.5 | 1466.0 | 1472.1 | 1478.3 | 1482.4 | 1492.0 | 1501.5 |
| 47.5° | 1548.7 | 1539.8 | 1536.4 | 1530.9 | 1532.3 | 1539.8 | 1541.2 | 1551.5 | 1559.7 | 1568.6 | 1580.2 |
| 50° | 1681.4 | 1657.5 | 1643.1 | 1628.8 | 1627.4 | 1631.5 | 1637.0 | 1647.9 | 1657.5 | 1669.1 | 1685.5 |
| 52.5° | 1904.5 | 1858.6 | 1829.9 | 1790.2 | 1779.3 | 1777.2 | 1773.1 | 1779.3 | 1782.0 | 1797.7 | 1828.5 |
| 55° | 2355.9 | 2271.1 | 2216.4 | 2154.8 | 2097.4 | 2080.3 | 2047.4 | 2054.3 | 2047.4 | 2057.0 | 2102.8 |
| 57.5° | 3298.6 | 3230.9 | 3177.5 | 3098.8 | 3000.3 | 2895.7 | 2869.7 | 2762.3 | 2783.5 | 2845.0 | 2805.4 |
| 60° | 4667.4 | 4642.8 | 4604.5 | 4566.9 | 4432.1 | 4356.2 | 4232.3 | 4218.7 | 4131.8 | 4132.5 | 4075.7 |
| 62.5° | 5433.6 | 5465.0 | 5441.8 | 5430.8 | 5423.3 | 5399.4 | 5337.8 | 5263.9 | 5153.1 | 5073.1 | 4955.4 |
| 65° | 5652.5 | 5625.8 | 5600.5 | 5597.1 | 5595.0 | 5634.0 | 5642.9 | 5590.9 | 5490.3 | 5365.8 | 5230.4 |
| 67.5° | 5397.3 | 5382.3 | 5383.6 | 5354.9 | 5372.7 | 5440.4 | 5487.6 | 5473.2 | 5380.9 | 5230.4 | 5058.0 |
| 70° | 4789.9 | 4760.4 | 4790.5 | 4828.2 | 4854.8 | 4893.8 | 4941.0 | 4952.7 | 4868.5 | 4713.9 | 4538.1 |
| 72.5° | 3586.6 | 3591.4 | 3620.1 | 3630.4 | 3737.8 | 3726.8 | 3769.2 | 3631.0 | 3570.2 | 3423.1 | 3332.8 |
| 75° | 1887.3 | 1856.6 | 1936.6 | 1767.0 | 1697.2 | 1745.7 | 1609.6 | 1479.0 | 1506.3 | 1528.9 | 1366.1 |
| 77.5° | 667.0 | 623.9 | 550.7 | 521.3 | 433.7 | 367.3 | 300.3 | 270.9 | 255.2 | 246.9 | 236.7 |
| 80° | 478.8 | 492.5 | 477.5 | 441.9 | 375.6 | 301.0 | 237.4 | 187.4 | 160.8 | 146.4 | 136.8 |
| 82.5° | 484.3 | 538.4 | 562.3 | 552.0 | 491.8 | 372.1 | 245.6 | 156.7 | 116.3 | 97.1 | 90.3 |
| 85° | 259.9 | 284.6 | 273.6 | 230.5 | 207.3 | 123.8 | 84.8 | 56.8 | 47.9 | 43.8 | 40.4 |
| 87.5° | 10.3 | 8.2 | 6.8 | 6.8 | 7.5 | 8.2 | 6.8 | 7.5 | 6.8 | 6.8 | 6.8 |
| 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: P154661

CATALOG NUMBER: TMU-E02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 | 628.7 |
| 2.5° | 630.7 | 630.7 | 630.7 | 630.0 | 628.7 | 625.2 | 621.8 | 619.1 | 617.0 | 615.0 | 612.2 |
| 5° | 643.0 | 641.7 | 641.7 | 641.7 | 636.2 | 630.7 | 625.9 | 621.1 | 617.0 | 613.6 | 610.9 |
| 7.5° | 663.5 | 662.9 | 660.1 | 659.4 | 655.3 | 646.4 | 641.0 | 632.8 | 628.0 | 623.2 | 621.8 |
| 10° | 688.2 | 687.5 | 686.8 | 686.1 | 680.6 | 671.8 | 664.9 | 657.4 | 650.6 | 643.7 | 636.9 |
| 12.5° | 716.9 | 716.2 | 715.5 | 713.5 | 711.4 | 706.6 | 699.1 | 690.9 | 682.7 | 668.3 | 660.8 |
| 15° | 752.5 | 753.8 | 752.5 | 751.8 | 750.4 | 751.1 | 746.3 | 734.7 | 721.7 | 703.2 | 687.5 |
| 17.5° | 799.7 | 798.3 | 797.6 | 800.4 | 799.7 | 803.1 | 801.7 | 786.7 | 766.8 | 737.4 | 710.1 |
| 20° | 851.7 | 851.7 | 854.4 | 856.5 | 862.6 | 871.5 | 867.4 | 848.9 | 812.7 | 771.6 | 736.1 |
| 22.5° | 913.9 | 915.3 | 918.0 | 916.7 | 926.2 | 940.6 | 942.0 | 916.0 | 868.8 | 812.0 | 762.1 |
| 25° | 978.9 | 980.3 | 977.5 | 981.6 | 997.4 | 1017.9 | 1022.0 | 985.1 | 922.8 | 848.9 | 783.9 |
| 27.5° | 1040.5 | 1041.8 | 1041.8 | 1047.3 | 1062.4 | 1097.2 | 1101.4 | 1060.3 | 977.5 | 881.1 | 799.7 |
| 30° | 1100.7 | 1106.1 | 1107.5 | 1108.9 | 1131.5 | 1180.0 | 1188.9 | 1129.4 | 1025.4 | 905.0 | 810.6 |
| 32.5° | 1176.6 | 1178.7 | 1181.4 | 1184.8 | 1210.8 | 1270.3 | 1270.3 | 1188.9 | 1056.2 | 920.1 | 812.7 |
| 35° | 1258.0 | 1258.7 | 1264.8 | 1265.5 | 1302.5 | 1362.0 | 1350.4 | 1238.2 | 1078.1 | 916.7 | 797.6 |
| 37.5° | 1307.3 | 1310.0 | 1316.2 | 1324.4 | 1363.4 | 1447.5 | 1420.8 | 1280.6 | 1082.2 | 894.1 | 763.4 |
| 40° | 1368.1 | 1373.6 | 1379.8 | 1388.0 | 1446.1 | 1534.4 | 1480.3 | 1307.3 | 1065.1 | 849.6 | 712.1 |
| 42.5° | 1433.8 | 1441.3 | 1450.9 | 1466.0 | 1535.1 | 1611.0 | 1525.5 | 1311.4 | 1026.1 | 799.7 | 651.2 |
| 45° | 1507.7 | 1521.4 | 1532.3 | 1550.1 | 1628.1 | 1677.3 | 1552.8 | 1287.4 | 976.9 | 734.0 | 586.2 |
| 47.5° | 1593.2 | 1604.1 | 1623.3 | 1642.5 | 1720.4 | 1722.5 | 1555.6 | 1240.9 | 909.8 | 668.3 | 517.2 |
| 50° | 1698.5 | 1705.4 | 1734.1 | 1745.7 | 1818.9 | 1769.7 | 1535.7 | 1178.0 | 839.4 | 594.5 | 440.5 |
| 52.5° | 1838.8 | 1848.4 | 1885.3 | 1903.1 | 1955.1 | 1834.0 | 1507.7 | 1109.6 | 758.6 | 511.7 | 361.9 |
| 55° | 2115.8 | 2157.6 | 2183.6 | 2214.3 | 2247.9 | 1979.7 | 1495.4 | 1036.4 | 667.7 | 415.9 | 286.6 |
| 57.5° | 2893.6 | 2879.9 | 2937.4 | 3007.2 | 3006.5 | 2312.8 | 1569.3 | 973.4 | 560.3 | 318.1 | 220.3 |
| 60° | 4052.4 | 4065.4 | 4036.0 | 4077.7 | 3945.0 | 2726.0 | 1670.5 | 907.1 | 439.2 | 236.7 | 168.3 |
| 62.5° | 4913.7 | 4838.4 | 4796.7 | 4747.4 | 4455.3 | 2771.2 | 1596.6 | 770.9 | 319.5 | 166.2 | 129.3 |
| 65° | 5117.5 | 5029.3 | 4939.7 | 4846.0 | 4405.4 | 2498.2 | 1310.0 | 565.7 | 206.6 | 114.2 | 102.6 |
| 67.5° | 4916.4 | 4774.8 | 4660.6 | 4564.1 | 4036.7 | 2070.7 | 957.7 | 347.5 | 118.3 | 92.3 | 87.6 |
| 70° | 4395.2 | 4238.5 | 4053.8 | 3945.7 | 3399.1 | 1526.2 | 613.6 | 187.4 | 91.0 | 82.1 | 80.0 |
| 72.5° | 3217.2 | 3088.6 | 2886.8 | 2763.0 | 2440.8 | 927.6 | 342.7 | 105.3 | 84.8 | 78.7 | 75.9 |
| 75° | 1253.2 | 1186.2 | 1102.0 | 1108.9 | 989.8 | 410.4 | 155.3 | 91.0 | 82.8 | 77.3 | 74.6 |
| 77.5° | 215.5 | 210.0 | 194.3 | 194.3 | 221.0 | 149.8 | 103.3 | 91.7 | 82.1 | 75.9 | 71.1 |
| 80° | 129.3 | 126.6 | 120.4 | 119.0 | 114.9 | 105.3 | 99.2 | 93.0 | 80.7 | 71.8 | 65.7 |
| 82.5° | 84.8 | 81.4 | 79.4 | 78.7 | 85.5 | 92.3 | 93.0 | 92.3 | 76.6 | 62.3 | 53.4 |
| 85° | 36.3 | 36.3 | 36.3 | 36.9 | 49.3 | 74.6 | 76.6 | 82.1 | 62.9 | 48.6 | 38.3 |
| 87.5° | 6.2 | 7.5 | 7.5 | 8.2 | 8.9 | 16.4 | 20.5 | 26.7 | 21.2 | 20.5 | 18.5 |
| 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: P154661

CATALOG NUMBER: TMU-E02-LED-E-U-T2-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 628.7 | 628.7 | 628.7 |
| 2.5° | 611.6 | 610.2 | 610.2 |
| 5° | 609.5 | 608.1 | 608.8 |
| 7.5° | 617.7 | 615.0 | 615.7 |
| 10° | 632.8 | 630.0 | 628.7 |
| 12.5° | 651.9 | 648.5 | 648.5 |
| 15° | 671.8 | 663.5 | 662.9 |
| 17.5° | 688.2 | 677.9 | 676.5 |
| 20° | 706.6 | 693.0 | 690.9 |
| 22.5° | 723.7 | 705.3 | 702.5 |
| 25° | 736.1 | 713.5 | 710.1 |
| 27.5° | 741.5 | 714.9 | 712.1 |
| 30° | 745.6 | 715.5 | 711.4 |
| 32.5° | 741.5 | 709.4 | 706.0 |
| 35° | 719.0 | 684.1 | 682.0 |
| 37.5° | 680.0 | 641.0 | 638.2 |
| 40° | 628.7 | 587.6 | 580.8 |
| 42.5° | 563.0 | 524.7 | 517.2 |
| 45° | 499.4 | 455.6 | 452.2 |
| 47.5° | 431.0 | 389.2 | 391.3 |
| 50° | 359.1 | 321.5 | 320.8 |
| 52.5° | 290.7 | 257.9 | 255.8 |
| 55° | 229.2 | 205.9 | 203.9 |
| 57.5° | 181.3 | 169.0 | 166.9 |
| 60° | 147.8 | 141.6 | 139.6 |
| 62.5° | 119.0 | 117.0 | 116.3 |
| 65° | 99.2 | 99.2 | 99.2 |
| 67.5° | 86.2 | 86.9 | 86.9 |
| 70° | 79.4 | 80.0 | 79.4 |
| 72.5° | 76.6 | 78.7 | 78.7 |
| 75° | 74.6 | 75.9 | 73.2 |
| 77.5° | 73.2 | 73.9 | 69.1 |
| 80° | 72.5 | 71.8 | 62.9 |
| 82.5° | 62.9 | 60.9 | 53.4 |
| 85° | 57.5 | 43.8 | 36.9 |
| 87.5° | 29.4 | 20.5 | 15.7 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)