

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: P179391

Luminaire Tested: **UTLD-E02-LED-E-U-T4-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P179391
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34331)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E02-LED-E-U-T4-HSS-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

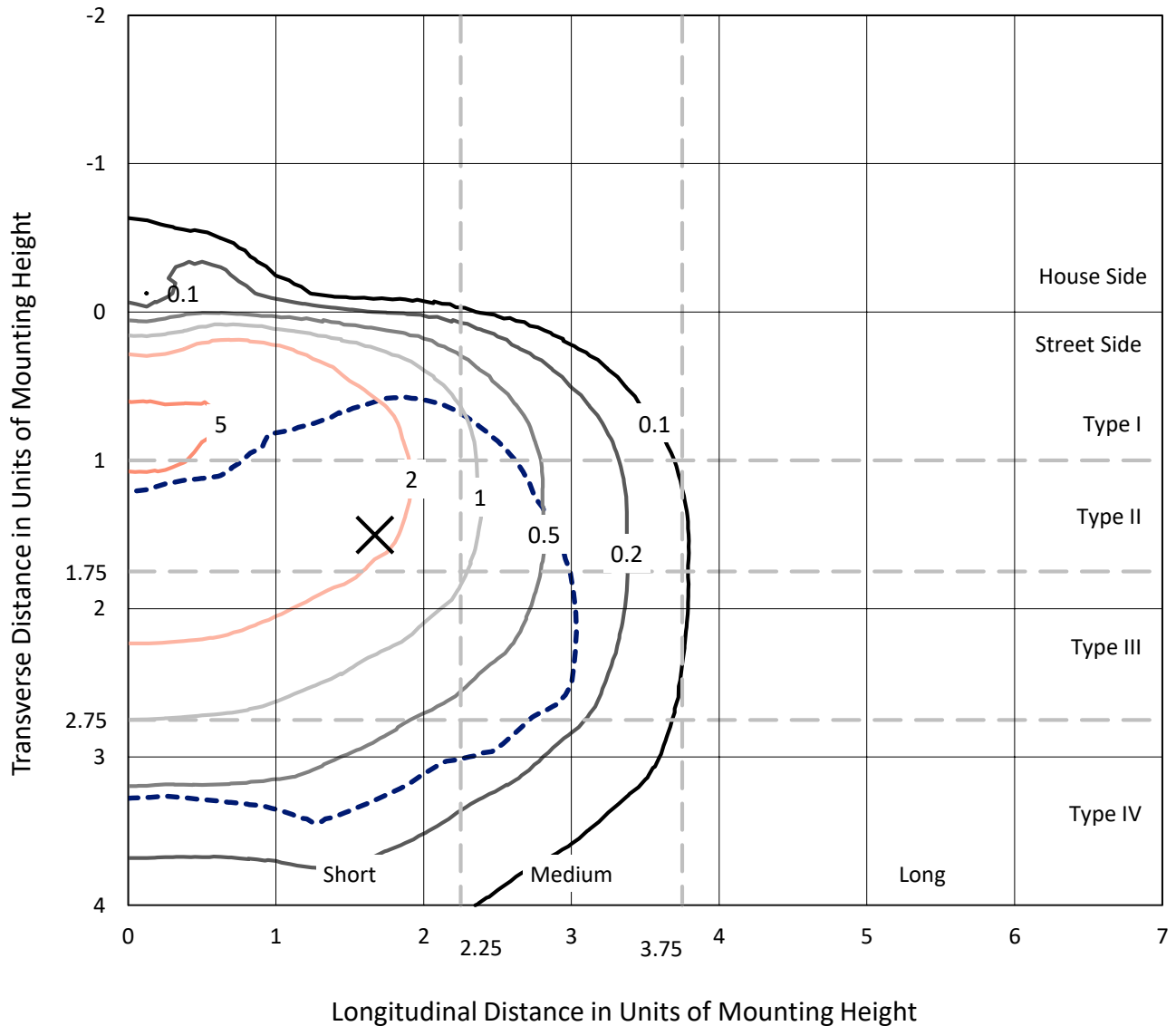
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P179391
 CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

Iso-Footcandle Lines of Horizontal Illumination

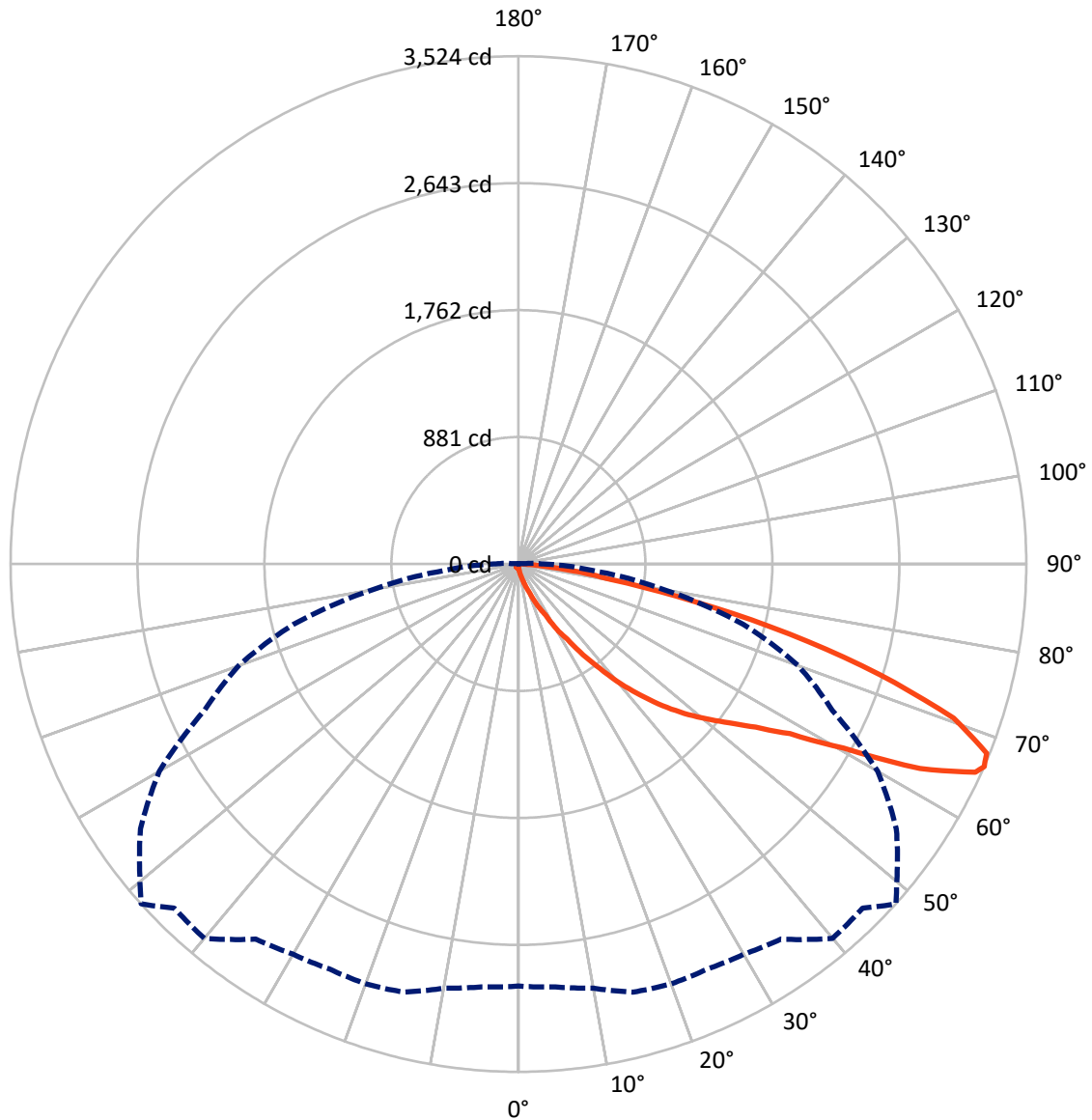
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type IV - Short - Semi-Cutoff

REPORT NUMBER: P179391
CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

Luminous Intensity Polar Plot



— Vertical Plane Through 48-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P179391

CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

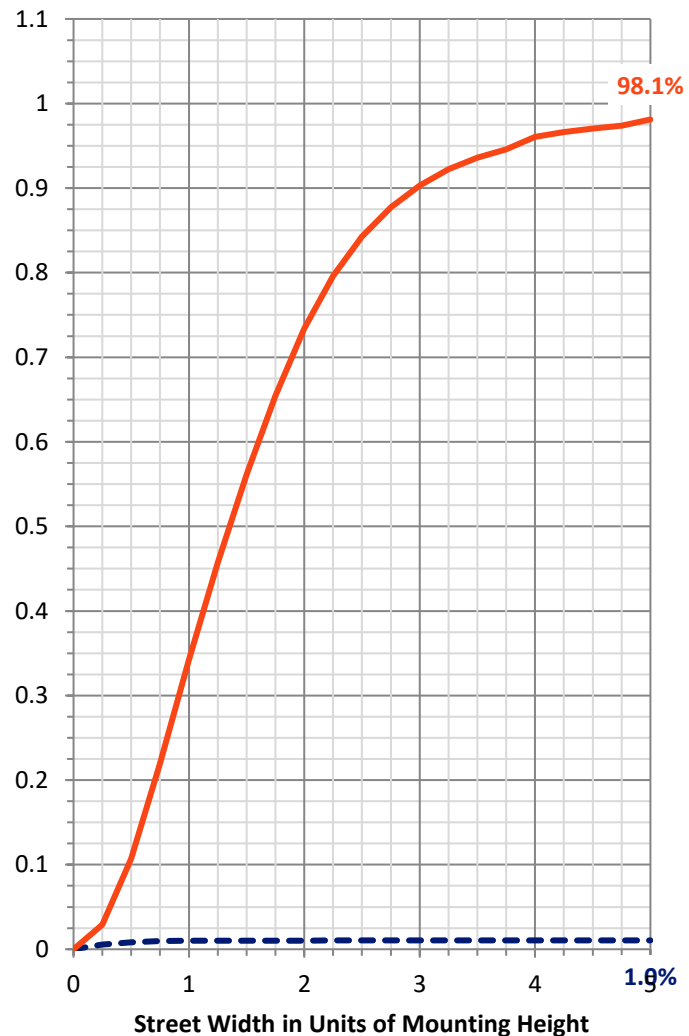
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 38.2 | 0.0 | 38.2 |
| | % Fixture | 1.1 | 0.0 | 1.1 |
| Street Side | Lumens | 3526.8 | 0.0 | 3526.8 |
| | % Fixture | 98.9 | 0.0 | 98.9 |
| Total | Lumens | 3565.0 | 0.0 | 3565.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.3 | 0.1 |
| 10°-20° | 22.2 | 0.6 |
| 20°-30° | 84.7 | 2.4 |
| 30°-40° | 237.2 | 6.7 |
| 40°-50° | 460.5 | 12.9 |
| 50°-60° | 754.6 | 21.2 |
| 60°-70° | 1230.0 | 34.5 |
| 70°-80° | 693.2 | 19.4 |
| 80°-90° | 79.3 | 2.2 |
| 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° | 3565.0 | 100.0 |
| 0°-180° | 3565.0 | 100.0 |



REPORT NUMBER: P179391

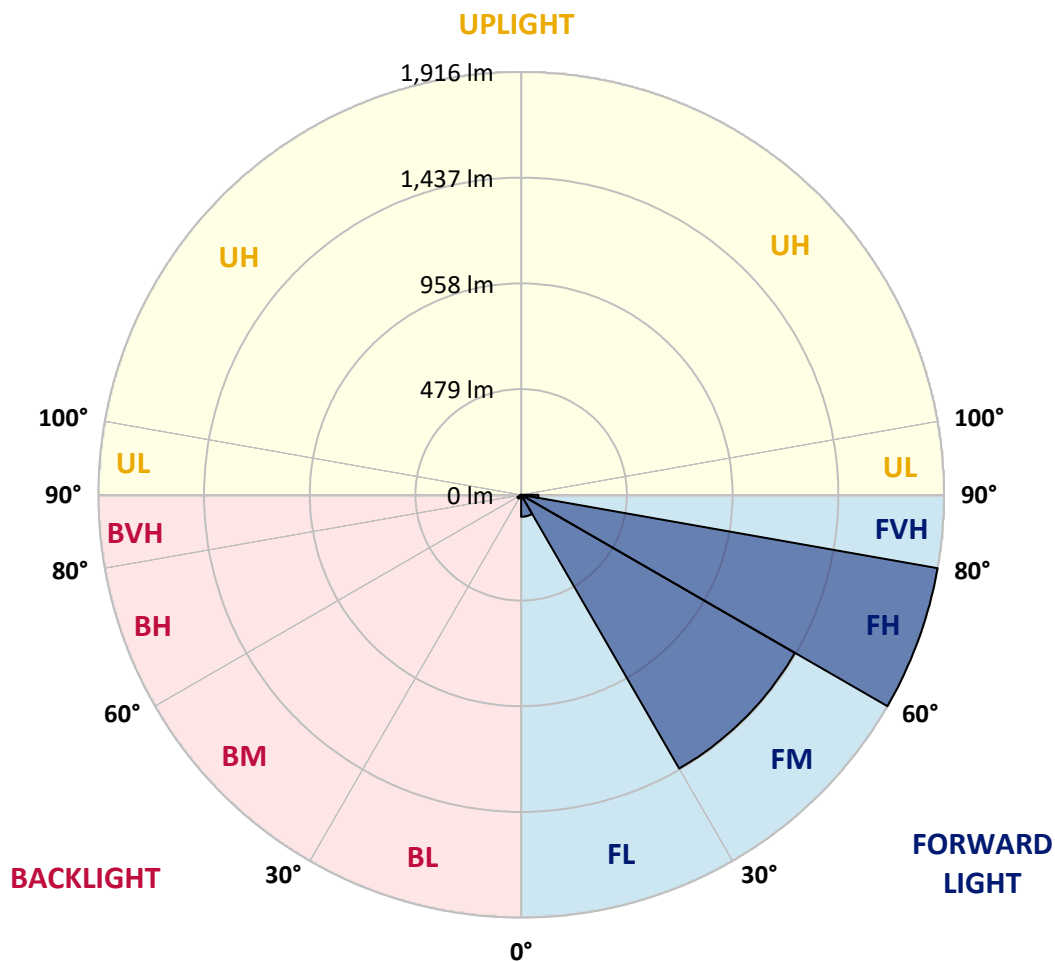
CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 99.7 | 2.8 | | | |
| FM (30°-60°) | 1432.7 | 40.2 | | | |
| FH (60°-80°) | 1916.4 | 53.8 | | | G2/5000 |
| FVH (80°-90°) | 78.0 | 2.2 | | | G1/100 |
| BL (0°-30°) | 10.4 | 0.3 | B0/110 | | |
| BM (30°-60°) | 19.7 | 0.6 | B0/220 | | |
| BH (60°-80°) | 6.8 | 0.2 | B0/110 | | G0/110 |
| BVH (80°-90°) | 1.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G2

Type IV Short





REPORT NUMBER: P179391

CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 48° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.5° | 35.9 | 35.9 | 35.9 | 35.9 | 34.9 | 33.9 | 33.9 | 32.8 | 32.8 | 32.8 | 32.8 |
| 5° | 52.3 | 52.3 | 49.3 | 48.2 | 46.2 | 45.1 | 43.1 | 42.1 | 41.0 | 39.0 | 39.0 |
| 7.5° | 83.1 | 82.1 | 82.1 | 81.1 | 80.0 | 78.0 | 74.9 | 72.9 | 69.8 | 53.4 | 49.3 |
| 10° | 105.7 | 106.7 | 104.7 | 103.6 | 97.5 | 94.4 | 90.3 | 86.2 | 85.2 | 78.0 | 73.9 |
| 12.5° | 145.7 | 146.7 | 144.7 | 143.7 | 139.6 | 136.5 | 129.3 | 124.2 | 103.6 | 95.4 | 94.4 |
| 15° | 208.3 | 208.3 | 198.0 | 177.5 | 171.4 | 164.2 | 152.9 | 150.8 | 151.9 | 138.5 | 121.1 |
| 17.5° | 243.2 | 244.2 | 241.1 | 236.0 | 229.8 | 222.7 | 215.5 | 190.9 | 177.5 | 166.2 | 161.1 |
| 20° | 331.4 | 331.4 | 325.3 | 315.0 | 278.1 | 263.7 | 262.7 | 250.4 | 241.1 | 212.4 | 201.1 |
| 22.5° | 382.7 | 387.9 | 380.7 | 373.5 | 361.2 | 365.3 | 347.8 | 295.5 | 296.5 | 269.9 | 259.6 |
| 25° | 502.8 | 503.8 | 492.5 | 484.3 | 480.2 | 418.7 | 402.2 | 410.4 | 378.6 | 344.8 | 336.6 |
| 27.5° | 625.9 | 633.1 | 565.4 | 550.0 | 550.0 | 536.7 | 542.8 | 484.3 | 476.1 | 434.0 | 401.2 |
| 30° | 718.3 | 721.4 | 710.1 | 683.4 | 673.1 | 670.0 | 616.7 | 620.8 | 570.5 | 505.9 | 527.4 |
| 32.5° | 885.5 | 890.7 | 869.1 | 858.9 | 786.0 | 758.3 | 725.5 | 726.5 | 664.9 | 654.7 | 620.8 |
| 35° | 1088.7 | 1093.8 | 1066.1 | 978.9 | 966.6 | 927.6 | 909.1 | 837.3 | 826.0 | 772.7 | 772.7 |
| 37.5° | 1223.1 | 1205.7 | 1180.0 | 1147.2 | 1154.4 | 1103.1 | 1043.5 | 1032.3 | 970.7 | 930.7 | 919.4 |
| 40° | 1323.7 | 1328.8 | 1326.8 | 1310.3 | 1274.4 | 1226.2 | 1206.7 | 1179.0 | 1128.7 | 1088.7 | 1093.8 |
| 42.5° | 1410.9 | 1421.2 | 1429.4 | 1405.8 | 1377.0 | 1356.5 | 1328.8 | 1311.4 | 1270.3 | 1220.0 | 1244.7 |
| 45° | 1498.1 | 1506.3 | 1523.8 | 1509.4 | 1488.9 | 1485.8 | 1419.1 | 1435.5 | 1402.7 | 1362.7 | 1403.7 |
| 47.5° | 1599.7 | 1607.9 | 1621.2 | 1622.3 | 1620.2 | 1577.1 | 1521.7 | 1546.3 | 1539.2 | 1490.9 | 1548.4 |
| 50° | 1713.6 | 1714.6 | 1738.2 | 1754.6 | 1722.8 | 1689.0 | 1635.6 | 1647.9 | 1659.2 | 1622.3 | 1689.0 |
| 52.5° | 1836.7 | 1850.1 | 1867.5 | 1878.8 | 1834.7 | 1818.3 | 1773.1 | 1771.1 | 1794.7 | 1756.7 | 1828.5 |
| 55° | 2023.5 | 2029.6 | 2037.8 | 2041.9 | 1984.5 | 1990.6 | 1925.0 | 1918.8 | 1953.7 | 1912.7 | 1997.8 |
| 57.5° | 2258.5 | 2274.9 | 2292.3 | 2284.1 | 2224.6 | 2219.5 | 2130.2 | 2100.4 | 2161.0 | 2136.4 | 2220.5 |
| 60° | 2615.5 | 2630.9 | 2644.3 | 2653.5 | 2620.7 | 2601.2 | 2463.7 | 2442.1 | 2543.7 | 2493.4 | 2594.0 |
| 62.5° | 2989.0 | 3005.5 | 3020.9 | 3085.5 | 3051.6 | 3027.0 | 2942.9 | 2942.9 | 3067.0 | 3030.1 | 3126.5 |
| 65° | 2983.9 | 3007.5 | 3042.4 | 3127.6 | 3143.0 | 3131.7 | 3128.6 | 3167.6 | 3360.5 | 3348.2 | 3483.6 |
| 66° | 2928.5 | 2944.9 | 2989.0 | 3075.2 | 3099.9 | 3100.9 | 3126.5 | 3176.8 | 3390.3 | 3376.9 | 3523.6 |
| 67.5° | 2799.2 | 2819.7 | 2866.9 | 2969.5 | 2995.2 | 3014.7 | 3081.4 | 3121.4 | 3361.5 | 3353.3 | 3504.2 |
| 70° | 2506.8 | 2516.0 | 2560.1 | 2666.8 | 2728.4 | 2718.2 | 2818.7 | 2834.1 | 3067.0 | 3096.8 | 3203.5 |
| 72.5° | 1931.1 | 1918.8 | 2053.2 | 2201.0 | 2301.6 | 2262.6 | 2335.4 | 2339.5 | 2537.6 | 2534.5 | 2619.6 |
| 75° | 1027.1 | 1034.3 | 1118.5 | 1315.5 | 1683.8 | 1695.1 | 1709.5 | 1708.5 | 1869.6 | 1868.5 | 1944.5 |
| 77.5° | 649.5 | 667.0 | 698.8 | 758.3 | 943.0 | 1077.4 | 1129.7 | 1108.2 | 1179.0 | 1203.6 | 1242.6 |
| 80° | 262.7 | 274.0 | 311.9 | 409.4 | 630.0 | 682.4 | 698.8 | 667.0 | 680.3 | 647.5 | 647.5 |
| 82.5° | 87.2 | 88.2 | 100.6 | 127.2 | 323.2 | 451.5 | 464.8 | 393.0 | 386.8 | 375.6 | 375.6 |
| 85° | 47.2 | 47.2 | 49.3 | 66.7 | 125.2 | 243.2 | 266.8 | 179.6 | 176.5 | 149.8 | 138.5 |
| 87.5° | 4.1 | 5.1 | 4.1 | 11.3 | 19.5 | 36.9 | 43.1 | 45.1 | 51.3 | 58.5 | 47.2 |
| 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: P179391

CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 50° | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|------|------|
| 0° | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.5° | 32.8 | 32.8 | 32.8 | 33.9 | 33.9 | 32.8 | 31.8 | 28.7 | 27.7 | 25.7 | 23.6 |
| 5° | 38.0 | 36.9 | 34.9 | 33.9 | 32.8 | 31.8 | 31.8 | 29.8 | 25.7 | 22.6 | 19.5 |
| 7.5° | 48.2 | 43.1 | 40.0 | 38.0 | 34.9 | 31.8 | 30.8 | 30.8 | 24.6 | 20.5 | 18.5 |
| 10° | 71.8 | 69.8 | 53.4 | 46.2 | 42.1 | 39.0 | 36.9 | 38.0 | 30.8 | 24.6 | 23.6 |
| 12.5° | 92.3 | 87.2 | 78.0 | 61.6 | 48.2 | 44.1 | 40.0 | 35.9 | 30.8 | 24.6 | 21.5 |
| 15° | 115.9 | 103.6 | 94.4 | 84.1 | 68.7 | 56.4 | 49.3 | 46.2 | 38.0 | 31.8 | 27.7 |
| 17.5° | 156.0 | 151.9 | 117.0 | 102.6 | 88.2 | 63.6 | 55.4 | 45.1 | 40.0 | 30.8 | 27.7 |
| 20° | 195.0 | 179.6 | 152.9 | 134.4 | 114.9 | 89.3 | 70.8 | 59.5 | 48.2 | 41.0 | 36.9 |
| 22.5° | 247.3 | 232.9 | 204.2 | 160.1 | 136.5 | 113.9 | 81.1 | 70.8 | 55.4 | 46.2 | 41.0 |
| 25° | 334.5 | 287.3 | 253.4 | 222.7 | 185.7 | 149.8 | 102.6 | 77.0 | 61.6 | 51.3 | 45.1 |
| 27.5° | 402.2 | 374.5 | 332.5 | 284.2 | 217.5 | 173.4 | 129.3 | 88.2 | 68.7 | 56.4 | 48.2 |
| 30° | 545.9 | 453.5 | 439.2 | 372.5 | 285.3 | 206.2 | 147.8 | 101.6 | 71.8 | 57.5 | 49.3 |
| 32.5° | 634.1 | 603.4 | 531.5 | 458.7 | 374.5 | 277.0 | 185.7 | 112.9 | 77.0 | 58.5 | 52.3 |
| 35° | 791.1 | 716.2 | 678.3 | 602.3 | 487.4 | 355.0 | 222.7 | 134.4 | 77.0 | 59.5 | 51.3 |
| 37.5° | 953.3 | 874.2 | 801.4 | 723.4 | 589.0 | 422.8 | 268.8 | 151.9 | 82.1 | 56.4 | 48.2 |
| 40° | 1085.6 | 1009.7 | 910.2 | 834.2 | 674.2 | 493.6 | 324.2 | 163.2 | 79.0 | 54.4 | 44.1 |
| 42.5° | 1235.4 | 1145.1 | 1036.4 | 954.3 | 772.7 | 590.0 | 369.4 | 191.9 | 81.1 | 52.3 | 40.0 |
| 45° | 1376.0 | 1278.5 | 1168.7 | 1053.8 | 868.1 | 682.4 | 421.7 | 208.3 | 88.2 | 51.3 | 35.9 |
| 47.5° | 1507.3 | 1404.7 | 1301.1 | 1140.0 | 986.1 | 779.8 | 501.8 | 248.3 | 94.4 | 48.2 | 32.8 |
| 50° | 1625.4 | 1527.9 | 1412.9 | 1230.3 | 1082.5 | 852.7 | 578.7 | 277.0 | 101.6 | 44.1 | 29.8 |
| 52.5° | 1759.8 | 1659.2 | 1509.4 | 1325.7 | 1171.8 | 946.1 | 647.5 | 316.0 | 110.8 | 40.0 | 26.7 |
| 55° | 1926.0 | 1799.8 | 1655.1 | 1482.7 | 1276.5 | 1066.1 | 725.5 | 353.0 | 123.1 | 35.9 | 23.6 |
| 57.5° | 2132.2 | 2025.5 | 1877.8 | 1675.6 | 1433.5 | 1184.1 | 819.9 | 400.2 | 134.4 | 32.8 | 21.5 |
| 60° | 2507.8 | 2369.3 | 2229.7 | 1991.7 | 1667.4 | 1372.9 | 933.8 | 461.7 | 152.9 | 29.8 | 19.5 |
| 62.5° | 3040.4 | 2889.5 | 2663.8 | 2319.0 | 1972.2 | 1551.5 | 1045.6 | 523.3 | 173.4 | 26.7 | 18.5 |
| 65° | 3379.0 | 3171.7 | 2870.0 | 2421.6 | 2084.0 | 1633.6 | 1054.8 | 522.3 | 175.5 | 24.6 | 16.4 |
| 66° | 3427.2 | 3201.4 | 2877.2 | 2403.1 | 2067.6 | 1613.0 | 1030.2 | 515.1 | 172.4 | 22.6 | 15.4 |
| 67.5° | 3422.1 | 3172.7 | 2823.8 | 2326.2 | 1985.5 | 1540.2 | 950.2 | 479.2 | 163.2 | 21.5 | 14.4 |
| 70° | 3154.2 | 2905.9 | 2537.6 | 2060.4 | 1736.2 | 1330.9 | 816.8 | 411.5 | 139.6 | 18.5 | 12.3 |
| 72.5° | 2619.6 | 2384.7 | 2051.2 | 1633.6 | 1399.6 | 1052.8 | 625.9 | 323.2 | 109.8 | 15.4 | 10.3 |
| 75° | 1935.2 | 1710.5 | 1457.1 | 1134.9 | 921.4 | 665.9 | 389.9 | 209.3 | 71.8 | 12.3 | 8.2 |
| 77.5° | 1207.7 | 1017.9 | 772.7 | 577.7 | 429.9 | 277.0 | 137.5 | 70.8 | 30.8 | 10.3 | 6.2 |
| 80° | 637.2 | 519.2 | 374.5 | 270.9 | 199.1 | 124.2 | 63.6 | 32.8 | 16.4 | 8.2 | 4.1 |
| 82.5° | 367.3 | 308.9 | 228.8 | 170.3 | 133.4 | 87.2 | 47.2 | 26.7 | 12.3 | 5.1 | 3.1 |
| 85° | 132.4 | 113.9 | 127.2 | 96.5 | 72.9 | 48.2 | 33.9 | 21.5 | 8.2 | 4.1 | 3.1 |
| 87.5° | 49.3 | 40.0 | 35.9 | 30.8 | 29.8 | 29.8 | 27.7 | 16.4 | 5.1 | 3.1 | 3.1 |
| 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: P179391

CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0° | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.5° | 22.6 | 20.5 | 20.5 | 19.5 | 19.5 | 18.5 | 18.5 | 18.5 | 18.5 | 18.5 | 19.5 |
| 5° | 18.5 | 17.4 | 17.4 | 17.4 | 16.4 | 16.4 | 18.5 | 19.5 | 20.5 | 21.5 | 20.5 |
| 7.5° | 18.5 | 17.4 | 16.4 | 17.4 | 19.5 | 15.4 | 12.3 | 11.3 | 10.3 | 11.3 | 11.3 |
| 10° | 20.5 | 19.5 | 21.5 | 14.4 | 10.3 | 9.2 | 10.3 | 10.3 | 10.3 | 13.3 | 16.4 |
| 12.5° | 20.5 | 21.5 | 16.4 | 14.4 | 14.4 | 13.3 | 16.4 | 14.4 | 14.4 | 14.4 | 14.4 |
| 15° | 27.7 | 20.5 | 17.4 | 15.4 | 17.4 | 18.5 | 18.5 | 17.4 | 15.4 | 14.4 | 17.4 |
| 17.5° | 23.6 | 21.5 | 20.5 | 24.6 | 22.6 | 19.5 | 17.4 | 19.5 | 20.5 | 18.5 | 16.4 |
| 20° | 32.8 | 29.8 | 28.7 | 24.6 | 22.6 | 22.6 | 23.6 | 19.5 | 18.5 | 18.5 | 20.5 |
| 22.5° | 34.9 | 31.8 | 32.8 | 30.8 | 29.8 | 23.6 | 22.6 | 21.5 | 21.5 | 19.5 | 19.5 |
| 25° | 42.1 | 43.1 | 38.0 | 32.8 | 29.8 | 27.7 | 25.7 | 21.5 | 21.5 | 19.5 | 20.5 |
| 27.5° | 45.1 | 42.1 | 38.0 | 35.9 | 32.8 | 26.7 | 25.7 | 22.6 | 20.5 | 20.5 | 18.5 |
| 30° | 47.2 | 43.1 | 40.0 | 35.9 | 31.8 | 28.7 | 25.7 | 21.5 | 19.5 | 19.5 | 18.5 |
| 32.5° | 50.3 | 45.1 | 38.0 | 33.9 | 30.8 | 25.7 | 24.6 | 20.5 | 18.5 | 16.4 | 16.4 |
| 35° | 46.2 | 41.0 | 35.9 | 31.8 | 26.7 | 23.6 | 21.5 | 19.5 | 16.4 | 15.4 | 14.4 |
| 37.5° | 41.0 | 35.9 | 31.8 | 27.7 | 24.6 | 21.5 | 19.5 | 16.4 | 14.4 | 13.3 | 12.3 |
| 40° | 36.9 | 30.8 | 27.7 | 23.6 | 21.5 | 18.5 | 16.4 | 13.3 | 11.3 | 10.3 | 9.2 |
| 42.5° | 32.8 | 26.7 | 23.6 | 20.5 | 17.4 | 15.4 | 13.3 | 10.3 | 8.2 | 7.2 | 6.2 |
| 45° | 28.7 | 23.6 | 19.5 | 17.4 | 14.4 | 12.3 | 10.3 | 7.2 | 5.1 | 4.1 | 3.1 |
| 47.5° | 25.7 | 20.5 | 17.4 | 14.4 | 12.3 | 9.2 | 7.2 | 4.1 | 3.1 | 2.1 | 1.0 |
| 50° | 22.6 | 17.4 | 14.4 | 12.3 | 9.2 | 7.2 | 5.1 | 3.1 | 2.1 | 1.0 | 1.0 |
| 52.5° | 19.5 | 15.4 | 13.3 | 10.3 | 8.2 | 5.1 | 3.1 | 2.1 | 1.0 | 1.0 | 0.0 |
| 55° | 17.4 | 14.4 | 11.3 | 8.2 | 6.2 | 4.1 | 2.1 | 1.0 | 1.0 | 0.0 | 0.0 |
| 57.5° | 16.4 | 13.3 | 9.2 | 6.2 | 5.1 | 3.1 | 2.1 | 1.0 | 1.0 | 0.0 | 0.0 |
| 60° | 15.4 | 11.3 | 7.2 | 5.1 | 4.1 | 2.1 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 62.5° | 14.4 | 9.2 | 6.2 | 4.1 | 3.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
| 65° | 11.3 | 7.2 | 4.1 | 3.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 66° | 10.3 | 6.2 | 4.1 | 3.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 67.5° | 9.2 | 6.2 | 3.1 | 3.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 70° | 7.2 | 4.1 | 3.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 72.5° | 6.2 | 4.1 | 3.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 75° | 5.1 | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 4.1 | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 80° | 3.1 | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 | 1.0 | 2.1 | 2.1 | 1.0 | 1.0 |
| 82.5° | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 | 3.1 | 1.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 85° | 3.1 | 2.1 | 2.1 | 3.1 | 3.1 | 3.1 | 1.0 | 3.1 | 3.1 | 3.1 | 2.1 |
| 87.5° | 3.1 | 3.1 | 3.1 | 3.1 | 4.1 | 4.1 | 2.1 | 4.1 | 4.1 | 4.1 | 3.1 |
| 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: P179391

CATALOG NUMBER: UTLD-E02-LED-E-U-T4-HSS-7050

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|------|------|------|------|------|
| 0° | 27.7 | 27.7 | 27.7 | 27.7 | 27.7 |
| 2.5° | 19.5 | 20.5 | 20.5 | 20.5 | 20.5 |
| 5° | 20.5 | 18.5 | 19.5 | 19.5 | 19.5 |
| 7.5° | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| 10° | 17.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 12.5° | 15.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 15° | 18.5 | 19.5 | 19.5 | 19.5 | 20.5 |
| 17.5° | 16.4 | 16.4 | 18.5 | 17.4 | 18.5 |
| 20° | 19.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 22.5° | 17.4 | 17.4 | 19.5 | 20.5 | 20.5 |
| 25° | 19.5 | 18.5 | 18.5 | 18.5 | 18.5 |
| 27.5° | 18.5 | 19.5 | 19.5 | 19.5 | 19.5 |
| 30° | 17.4 | 16.4 | 17.4 | 17.4 | 18.5 |
| 32.5° | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 35° | 14.4 | 14.4 | 14.4 | 15.4 | 15.4 |
| 37.5° | 11.3 | 11.3 | 12.3 | 12.3 | 12.3 |
| 40° | 9.2 | 8.2 | 8.2 | 9.2 | 9.2 |
| 42.5° | 6.2 | 5.1 | 5.1 | 5.1 | 5.1 |
| 45° | 3.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 47.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 66° | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 75° | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 80° | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.0 |
| 85° | 2.1 | 2.1 | 2.1 | 2.1 | 0.0 |
| 87.5° | 3.1 | 3.1 | 3.1 | 3.1 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)