

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: P179361

Luminaire Tested: **UTLD-E02-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

### Test Information

Test Method: LM-79-08  
Report Number: P179361  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)  
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-T3-HSS-7050  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 2926.2 lumens  
Efficiency: N/A  
Efficacy: 56.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

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



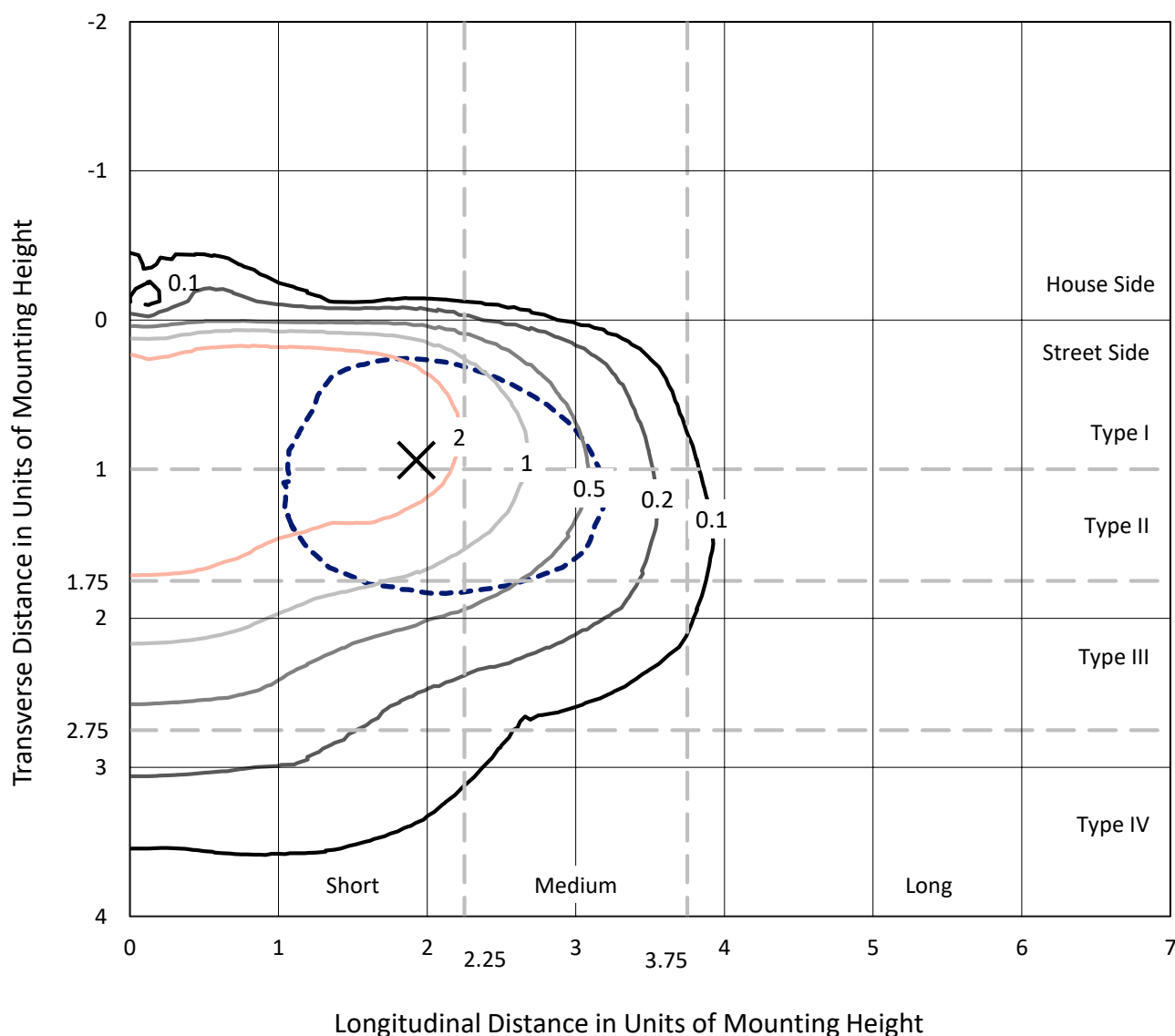
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

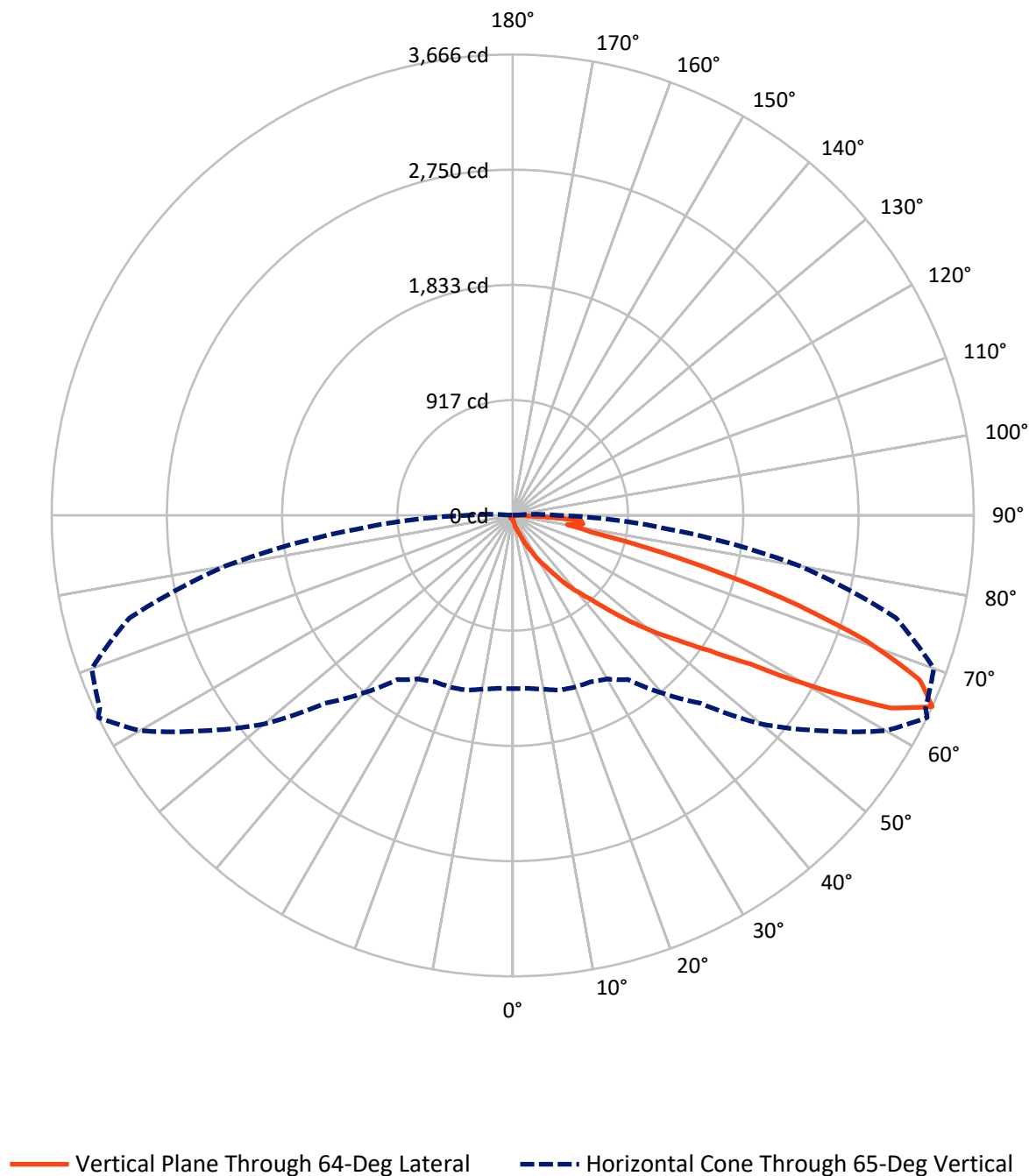


Based on 10 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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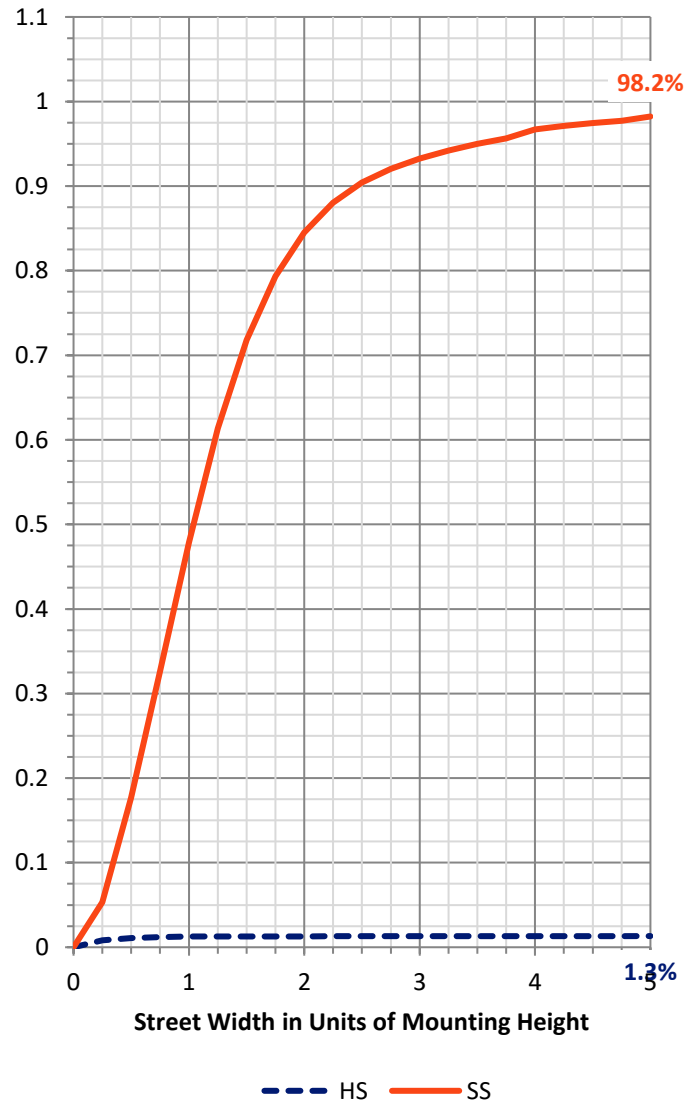
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 39.8     | 0.0    | 39.8   |
|                    | % Fixture | 1.4      | 0.0    | 1.4    |
| <b>Street Side</b> | Lumens    | 2886.3   | 0.0    | 2886.3 |
|                    | % Fixture | 98.6     | 0.0    | 98.6   |
| <b>Total</b>       | Lumens    | 2926.2   | 0.0    | 2926.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 3.8    | 0.1       |
| 10°-20°   | 25.3   | 0.9       |
| 20°-30°   | 79.3   | 2.7       |
| 30°-40°   | 192.6  | 6.6       |
| 40°-50°   | 408.3  | 14.0      |
| 50°-60°   | 735.3  | 25.1      |
| 60°-70°   | 984.6  | 33.6      |
| 70°-80°   | 425.6  | 14.5      |
| 80°-90°   | 71.4   | 2.4       |
| 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°    | 2926.2 | 100.0     |
| 0°-180°   | 2926.2 | 100.0     |

**Coefficient of Utilization**



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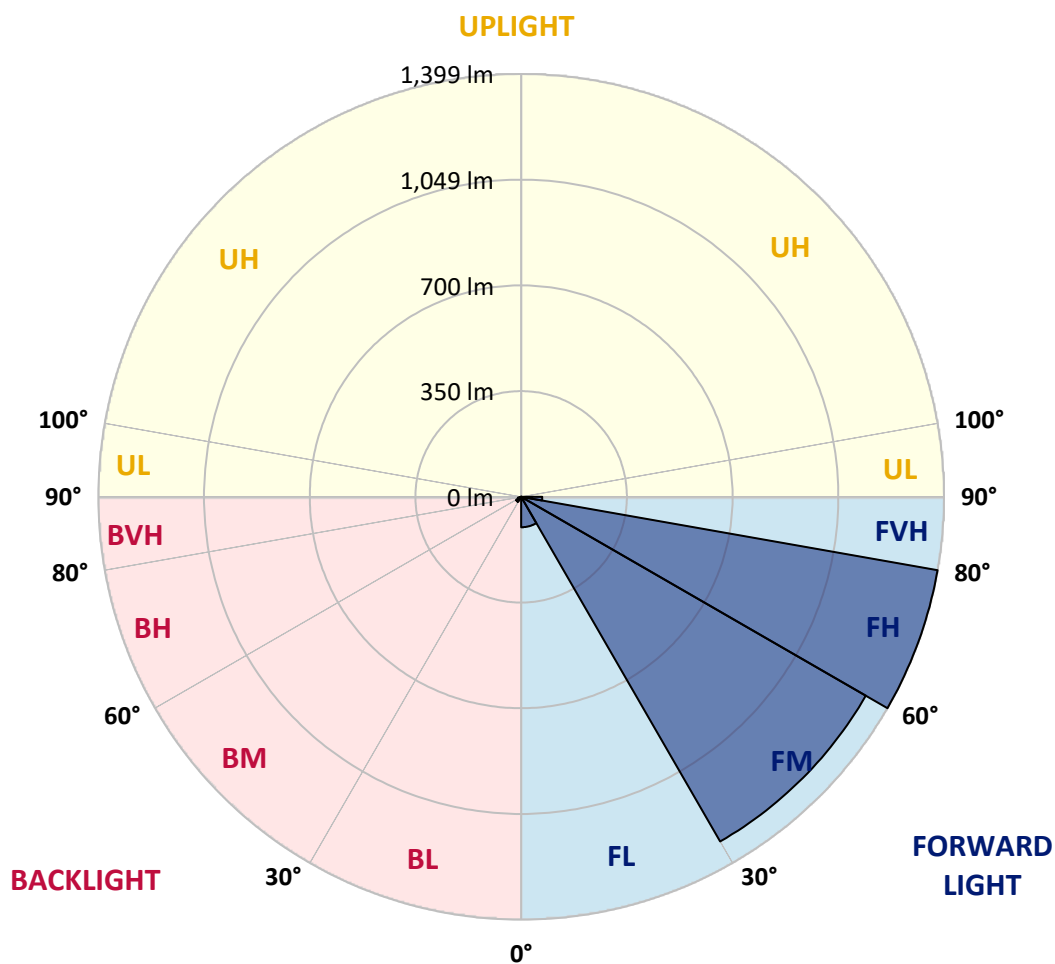
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 100.7  | 3.4       |                         |      |         |
| FM   | (30°-60°)   | 1316.8 | 45.0      |                         |      |         |
| FH   | (60°-80°)   | 1399.1 | 47.8      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 69.7   | 2.4       |                         |      | G1/100  |
| BL   | (0°-30°)    | 7.7    | 0.3       | B0/110                  |      |         |
| BM   | (30°-60°)   | 19.5   | 0.7       | B0/220                  |      |         |
| BH   | (60°-80°)   | 11.0   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 1.7    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   |
| 2.5°  | 42.1   | 42.1   | 41.0   | 42.1   | 41.0   | 40.0   | 40.0   | 39.0   | 39.0   | 38.0   | 38.0   |
| 5°    | 61.6   | 61.6   | 60.5   | 58.5   | 56.4   | 55.4   | 54.4   | 51.3   | 50.3   | 49.3   | 47.2   |
| 7.5°  | 109.8  | 109.8  | 107.7  | 105.7  | 104.7  | 102.6  | 100.6  | 96.5   | 92.3   | 68.7   | 59.5   |
| 10°   | 140.6  | 138.5  | 136.5  | 132.4  | 131.3  | 126.2  | 121.1  | 118.0  | 113.9  | 103.6  | 96.5   |
| 12.5° | 197.0  | 196.0  | 193.9  | 195.0  | 188.8  | 184.7  | 176.5  | 169.3  | 135.4  | 127.2  | 124.2  |
| 15°   | 259.6  | 243.2  | 227.8  | 213.4  | 209.3  | 205.2  | 192.9  | 193.9  | 202.1  | 184.7  | 144.7  |
| 17.5° | 265.8  | 266.8  | 264.7  | 264.7  | 258.6  | 255.5  | 262.7  | 227.8  | 221.6  | 206.2  | 195.0  |
| 20°   | 334.5  | 335.5  | 333.5  | 311.9  | 282.2  | 271.9  | 287.3  | 277.0  | 277.0  | 252.4  | 237.0  |
| 22.5° | 349.9  | 353.0  | 349.9  | 348.9  | 341.7  | 359.1  | 347.8  | 300.6  | 318.1  | 296.5  | 285.3  |
| 25°   | 424.8  | 426.9  | 425.8  | 416.6  | 429.9  | 377.6  | 369.4  | 392.0  | 370.4  | 344.8  | 356.1  |
| 27.5° | 504.8  | 502.8  | 456.6  | 441.2  | 447.4  | 441.2  | 464.8  | 426.9  | 446.4  | 421.7  | 404.3  |
| 30°   | 542.8  | 545.9  | 541.8  | 524.3  | 524.3  | 540.8  | 498.7  | 514.1  | 499.7  | 462.8  | 524.3  |
| 32.5° | 652.6  | 656.7  | 644.4  | 641.3  | 594.1  | 577.7  | 563.3  | 578.7  | 542.8  | 569.5  | 584.9  |
| 35°   | 781.9  | 783.9  | 765.5  | 686.5  | 685.4  | 665.9  | 662.9  | 627.0  | 645.4  | 624.9  | 682.4  |
| 37.5° | 889.6  | 884.5  | 854.7  | 816.8  | 818.8  | 778.8  | 736.7  | 739.8  | 710.1  | 712.1  | 766.5  |
| 40°   | 1032.3 | 1030.2 | 1008.7 | 977.9  | 932.7  | 882.5  | 856.8  | 844.5  | 820.9  | 804.5  | 855.8  |
| 42.5° | 1164.6 | 1178.0 | 1168.7 | 1128.7 | 1062.0 | 1039.4 | 977.9  | 953.3  | 946.1  | 919.4  | 961.5  |
| 45°   | 1328.8 | 1327.8 | 1326.8 | 1286.7 | 1243.6 | 1196.4 | 1105.1 | 1091.8 | 1079.5 | 1076.4 | 1122.6 |
| 47.5° | 1451.9 | 1453.0 | 1457.1 | 1430.4 | 1400.6 | 1333.9 | 1243.6 | 1240.6 | 1247.7 | 1240.6 | 1299.0 |
| 50°   | 1535.1 | 1544.3 | 1559.7 | 1553.5 | 1513.5 | 1468.4 | 1411.9 | 1401.7 | 1410.9 | 1406.8 | 1500.2 |
| 52.5° | 1590.5 | 1601.8 | 1620.2 | 1631.5 | 1588.4 | 1568.9 | 1545.3 | 1532.0 | 1576.1 | 1577.1 | 1683.8 |
| 55°   | 1612.0 | 1624.3 | 1642.8 | 1665.4 | 1632.5 | 1636.6 | 1627.4 | 1625.4 | 1696.2 | 1712.6 | 1853.1 |
| 57.5° | 1594.6 | 1605.9 | 1626.4 | 1654.1 | 1644.8 | 1678.7 | 1659.2 | 1668.4 | 1778.2 | 1821.3 | 2003.0 |
| 60°   | 1548.4 | 1558.7 | 1581.2 | 1627.4 | 1615.1 | 1655.1 | 1645.9 | 1690.0 | 1832.6 | 1928.1 | 2176.4 |
| 62.5° | 1471.4 | 1483.7 | 1508.4 | 1552.5 | 1558.7 | 1593.5 | 1602.8 | 1677.7 | 1869.6 | 2035.8 | 2408.3 |
| 65°   | 1377.0 | 1380.1 | 1402.7 | 1438.6 | 1453.0 | 1460.1 | 1502.2 | 1593.5 | 1841.9 | 2111.7 | 2581.7 |
| 67.5° | 1234.4 | 1241.6 | 1256.0 | 1277.5 | 1288.8 | 1250.8 | 1285.7 | 1380.1 | 1629.5 | 1952.7 | 2453.4 |
| 70°   | 875.3  | 874.2  | 906.1  | 998.4  | 1026.1 | 940.9  | 938.9  | 997.4  | 1201.6 | 1510.4 | 1962.9 |
| 72.5° | 597.2  | 604.4  | 618.7  | 647.5  | 735.7  | 709.0  | 699.8  | 669.0  | 749.1  | 920.4  | 1297.0 |
| 75°   | 454.6  | 457.6  | 517.2  | 565.4  | 624.9  | 652.6  | 670.0  | 633.1  | 603.4  | 576.7  | 742.9  |
| 77.5° | 154.9  | 168.3  | 197.0  | 269.9  | 421.7  | 514.1  | 571.5  | 624.9  | 660.8  | 633.1  | 613.6  |
| 80°   | 33.9   | 34.9   | 39.0   | 52.3   | 147.8  | 265.8  | 333.5  | 425.8  | 530.5  | 590.0  | 641.3  |
| 82.5° | 14.4   | 15.4   | 18.5   | 22.6   | 34.9   | 98.5   | 138.5  | 160.1  | 216.5  | 286.3  | 466.9  |
| 85°   | 5.1    | 5.1    | 6.2    | 8.2    | 13.3   | 24.6   | 36.9   | 40.0   | 61.6   | 90.3   | 152.9  |
| 87.5° | 2.1    | 2.1    | 2.1    | 3.1    | 4.1    | 6.2    | 7.2    | 8.2    | 10.3   | 21.5   | 51.3   |
| 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):**

|       | 55°    | 60°    | 64°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°  | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|------|------|
| 0°    | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7   | 25.7  | 25.7 | 25.7 |
| 2.5°  | 38.0   | 36.9   | 36.9   | 36.9   | 35.9   | 32.8   | 30.8   | 26.7   | 24.6  | 22.6 | 21.5 |
| 5°    | 45.1   | 42.1   | 40.0   | 40.0   | 36.9   | 35.9   | 34.9   | 29.8   | 23.6  | 20.5 | 18.5 |
| 7.5°  | 54.4   | 50.3   | 47.2   | 46.2   | 42.1   | 36.9   | 34.9   | 31.8   | 23.6  | 19.5 | 17.4 |
| 10°   | 91.3   | 64.6   | 59.5   | 57.5   | 51.3   | 45.1   | 41.0   | 39.0   | 28.7  | 22.6 | 20.5 |
| 12.5° | 115.9  | 102.6  | 92.3   | 81.1   | 60.5   | 54.4   | 46.2   | 39.0   | 29.8  | 22.6 | 18.5 |
| 15°   | 134.4  | 120.1  | 105.7  | 104.7  | 86.2   | 69.8   | 56.4   | 49.3   | 34.9  | 28.7 | 23.6 |
| 17.5° | 193.9  | 149.8  | 130.3  | 129.3  | 109.8  | 77.0   | 64.6   | 48.2   | 38.0  | 27.7 | 22.6 |
| 20°   | 220.6  | 187.8  | 157.0  | 162.1  | 142.6  | 112.9  | 82.1   | 62.6   | 45.1  | 36.9 | 29.8 |
| 22.5° | 283.2  | 254.5  | 219.6  | 197.0  | 165.2  | 133.4  | 90.3   | 69.8   | 51.3  | 38.0 | 30.8 |
| 25°   | 328.4  | 291.4  | 278.1  | 275.0  | 227.8  | 179.6  | 120.1  | 82.1   | 57.5  | 42.1 | 36.9 |
| 27.5° | 406.3  | 378.6  | 333.5  | 328.4  | 259.6  | 197.0  | 150.8  | 97.5   | 63.6  | 46.2 | 39.0 |
| 30°   | 457.6  | 437.1  | 421.7  | 410.4  | 325.3  | 237.0  | 171.4  | 110.8  | 68.7  | 48.2 | 40.0 |
| 32.5° | 558.2  | 519.2  | 485.3  | 467.9  | 412.5  | 299.6  | 207.3  | 127.2  | 74.9  | 51.3 | 44.1 |
| 35°   | 640.3  | 636.2  | 586.9  | 582.8  | 502.8  | 382.7  | 252.4  | 148.8  | 78.0  | 52.3 | 43.1 |
| 37.5° | 748.0  | 724.4  | 700.8  | 688.5  | 613.6  | 470.0  | 308.9  | 182.6  | 91.3  | 54.4 | 43.1 |
| 40°   | 834.2  | 810.6  | 801.4  | 790.1  | 691.6  | 555.1  | 381.7  | 199.1  | 93.4  | 55.4 | 42.1 |
| 42.5° | 944.0  | 907.1  | 915.3  | 903.0  | 798.3  | 669.0  | 454.6  | 238.1  | 100.6 | 55.4 | 40.0 |
| 45°   | 1083.6 | 1064.1 | 1073.3 | 1052.8 | 949.1  | 814.7  | 530.5  | 277.0  | 110.8 | 54.4 | 36.9 |
| 47.5° | 1262.1 | 1250.8 | 1261.1 | 1225.2 | 1146.2 | 1006.6 | 689.5  | 347.8  | 124.2 | 53.4 | 34.9 |
| 50°   | 1451.9 | 1468.4 | 1454.0 | 1420.1 | 1386.3 | 1211.8 | 875.3  | 435.1  | 143.7 | 51.3 | 32.8 |
| 52.5° | 1674.6 | 1676.7 | 1651.0 | 1650.0 | 1651.0 | 1479.6 | 1069.2 | 539.7  | 168.3 | 49.3 | 30.8 |
| 55°   | 1886.0 | 1911.6 | 1898.3 | 1913.7 | 1937.3 | 1819.3 | 1307.3 | 659.8  | 202.1 | 46.2 | 28.7 |
| 57.5° | 2102.5 | 2193.8 | 2230.8 | 2279.0 | 2324.1 | 2259.5 | 1628.4 | 834.2  | 243.2 | 43.1 | 26.7 |
| 60°   | 2382.6 | 2630.9 | 2789.0 | 2847.4 | 2885.4 | 2753.0 | 2045.0 | 1056.9 | 302.7 | 40.0 | 23.6 |
| 62.5° | 2744.8 | 3141.9 | 3374.9 | 3442.6 | 3391.3 | 3114.2 | 2287.2 | 1223.1 | 350.9 | 38.0 | 20.5 |
| 65°   | 2983.9 | 3424.1 | 3666.3 | 3623.2 | 3562.6 | 3155.3 | 2321.1 | 1238.5 | 361.2 | 33.9 | 18.5 |
| 67.5° | 2842.3 | 3248.6 | 3490.8 | 3426.2 | 3382.0 | 2950.1 | 2080.9 | 1141.0 | 336.6 | 28.7 | 16.4 |
| 70°   | 2354.9 | 2766.4 | 2978.8 | 2925.4 | 2957.2 | 2503.7 | 1702.3 | 966.6  | 298.6 | 24.6 | 14.4 |
| 72.5° | 1692.0 | 2015.3 | 2232.8 | 2200.0 | 2285.1 | 1799.8 | 1253.9 | 760.3  | 248.3 | 20.5 | 12.3 |
| 75°   | 1033.3 | 1329.8 | 1382.2 | 1331.9 | 1271.3 | 918.4  | 605.4  | 413.5  | 160.1 | 15.4 | 9.2  |
| 77.5° | 632.1  | 725.5  | 640.3  | 648.5  | 511.0  | 229.8  | 113.9  | 85.2   | 45.1  | 12.3 | 6.2  |
| 80°   | 602.3  | 544.9  | 440.2  | 427.9  | 294.5  | 89.3   | 50.3   | 38.0   | 19.5  | 9.2  | 5.1  |
| 82.5° | 629.0  | 659.8  | 563.3  | 521.3  | 311.9  | 79.0   | 41.0   | 30.8   | 15.4  | 7.2  | 4.1  |
| 85°   | 260.6  | 588.0  | 545.9  | 497.7  | 288.3  | 61.6   | 32.8   | 22.6   | 10.3  | 5.1  | 4.1  |
| 87.5° | 101.6  | 168.3  | 154.9  | 138.5  | 91.3   | 30.8   | 25.7   | 18.5   | 7.2   | 4.1  | 4.1  |
| 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):**

|       | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 2.5°  | 20.5 | 19.5 | 18.5 | 18.5 | 17.4 | 17.4 | 16.4 | 16.4 | 16.4 | 16.4 | 16.4 |
| 5°    | 17.4 | 16.4 | 15.4 | 14.4 | 13.3 | 13.3 | 14.4 | 15.4 | 15.4 | 16.4 | 15.4 |
| 7.5°  | 15.4 | 14.4 | 12.3 | 13.3 | 13.3 | 11.3 | 8.2  | 7.2  | 7.2  | 8.2  | 8.2  |
| 10°   | 16.4 | 14.4 | 15.4 | 9.2  | 7.2  | 6.2  | 7.2  | 7.2  | 7.2  | 9.2  | 11.3 |
| 12.5° | 16.4 | 17.4 | 12.3 | 11.3 | 10.3 | 9.2  | 11.3 | 10.3 | 9.2  | 10.3 | 10.3 |
| 15°   | 21.5 | 15.4 | 13.3 | 11.3 | 12.3 | 13.3 | 12.3 | 11.3 | 10.3 | 10.3 | 11.3 |
| 17.5° | 18.5 | 16.4 | 15.4 | 17.4 | 16.4 | 13.3 | 12.3 | 13.3 | 13.3 | 12.3 | 11.3 |
| 20°   | 24.6 | 21.5 | 20.5 | 17.4 | 15.4 | 15.4 | 15.4 | 13.3 | 12.3 | 12.3 | 13.3 |
| 22.5° | 27.7 | 23.6 | 23.6 | 21.5 | 19.5 | 15.4 | 15.4 | 14.4 | 14.4 | 13.3 | 12.3 |
| 25°   | 32.8 | 30.8 | 26.7 | 21.5 | 20.5 | 18.5 | 17.4 | 14.4 | 14.4 | 13.3 | 13.3 |
| 27.5° | 34.9 | 30.8 | 26.7 | 24.6 | 21.5 | 17.4 | 17.4 | 14.4 | 13.3 | 13.3 | 12.3 |
| 30°   | 36.9 | 31.8 | 27.7 | 24.6 | 21.5 | 18.5 | 17.4 | 14.4 | 13.3 | 12.3 | 12.3 |
| 32.5° | 39.0 | 32.8 | 26.7 | 23.6 | 20.5 | 17.4 | 16.4 | 14.4 | 12.3 | 11.3 | 11.3 |
| 35°   | 36.9 | 30.8 | 26.7 | 23.6 | 19.5 | 16.4 | 15.4 | 13.3 | 11.3 | 11.3 | 10.3 |
| 37.5° | 34.9 | 28.7 | 24.6 | 21.5 | 18.5 | 15.4 | 13.3 | 11.3 | 10.3 | 9.2  | 9.2  |
| 40°   | 32.8 | 26.7 | 22.6 | 19.5 | 16.4 | 14.4 | 12.3 | 9.2  | 8.2  | 7.2  | 7.2  |
| 42.5° | 29.8 | 24.6 | 20.5 | 17.4 | 14.4 | 11.3 | 10.3 | 8.2  | 6.2  | 5.1  | 5.1  |
| 45°   | 28.7 | 22.6 | 18.5 | 15.4 | 12.3 | 10.3 | 8.2  | 6.2  | 4.1  | 3.1  | 3.1  |
| 47.5° | 26.7 | 20.5 | 16.4 | 13.3 | 10.3 | 8.2  | 6.2  | 4.1  | 3.1  | 2.1  | 2.1  |
| 50°   | 24.6 | 19.5 | 14.4 | 11.3 | 8.2  | 6.2  | 4.1  | 3.1  | 2.1  | 1.0  | 1.0  |
| 52.5° | 22.6 | 17.4 | 12.3 | 9.2  | 7.2  | 5.1  | 3.1  | 2.1  | 1.0  | 1.0  | 0.0  |
| 55°   | 20.5 | 14.4 | 11.3 | 8.2  | 5.1  | 3.1  | 2.1  | 1.0  | 1.0  | 0.0  | 0.0  |
| 57.5° | 17.4 | 12.3 | 9.2  | 6.2  | 4.1  | 2.1  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  |
| 60°   | 15.4 | 10.3 | 7.2  | 5.1  | 3.1  | 2.1  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  |
| 62.5° | 13.3 | 9.2  | 6.2  | 4.1  | 2.1  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  | 0.0  |
| 65°   | 11.3 | 7.2  | 5.1  | 3.1  | 2.1  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  | 0.0  |
| 67.5° | 10.3 | 6.2  | 4.1  | 3.1  | 2.1  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 0.0  |
| 70°   | 9.2  | 5.1  | 3.1  | 2.1  | 2.1  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 72.5° | 7.2  | 4.1  | 3.1  | 2.1  | 2.1  | 1.0  | 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  | 2.1  | 2.1  | 2.1  | 2.1  |
| 80°   | 3.1  | 2.1  | 2.1  | 3.1  | 3.1  | 3.1  | 1.0  | 2.1  | 2.1  | 2.1  | 2.1  |
| 82.5° | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  | 1.0  | 3.1  | 3.1  | 3.1  | 2.1  |
| 85°   | 3.1  | 3.1  | 3.1  | 3.1  | 4.1  | 4.1  | 1.0  | 4.1  | 4.1  | 3.1  | 3.1  |
| 87.5° | 4.1  | 3.1  | 4.1  | 4.1  | 4.1  | 5.1  | 1.0  | 4.1  | 4.1  | 4.1  | 4.1  |
| 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: P179361

CATALOG NUMBER: UTLD-E02-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

|       | 160° | 165° | 170° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 25.7 | 25.7 | 25.7 | 25.7 | 25.7 |
| 2.5°  | 16.4 | 17.4 | 17.4 | 17.4 | 17.4 |
| 5°    | 14.4 | 13.3 | 13.3 | 13.3 | 13.3 |
| 7.5°  | 8.2  | 8.2  | 9.2  | 9.2  | 9.2  |
| 10°   | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 |
| 12.5° | 10.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 15°   | 12.3 | 12.3 | 13.3 | 13.3 | 13.3 |
| 17.5° | 11.3 | 11.3 | 12.3 | 12.3 | 12.3 |
| 20°   | 12.3 | 13.3 | 13.3 | 13.3 | 13.3 |
| 22.5° | 11.3 | 11.3 | 13.3 | 13.3 | 14.4 |
| 25°   | 13.3 | 12.3 | 12.3 | 13.3 | 12.3 |
| 27.5° | 12.3 | 12.3 | 13.3 | 13.3 | 13.3 |
| 30°   | 12.3 | 11.3 | 11.3 | 12.3 | 12.3 |
| 32.5° | 11.3 | 11.3 | 11.3 | 11.3 | 11.3 |
| 35°   | 10.3 | 10.3 | 11.3 | 11.3 | 11.3 |
| 37.5° | 9.2  | 8.2  | 9.2  | 9.2  | 9.2  |
| 40°   | 7.2  | 7.2  | 7.2  | 8.2  | 8.2  |
| 42.5° | 5.1  | 5.1  | 5.1  | 5.1  | 5.1  |
| 45°   | 3.1  | 3.1  | 3.1  | 3.1  | 3.1  |
| 47.5° | 2.1  | 1.0  | 2.1  | 2.1  | 2.1  |
| 50°   | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 52.5° | 0.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 55°   | 0.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 57.5° | 0.0  | 0.0  | 1.0  | 1.0  | 1.0  |
| 60°   | 0.0  | 0.0  | 1.0  | 1.0  | 1.0  |
| 62.5° | 0.0  | 0.0  | 1.0  | 1.0  | 1.0  |
| 65°   | 0.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 67.5° | 0.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 70°   | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 72.5° | 1.0  | 1.0  | 1.0  | 1.0  | 1.0  |
| 75°   | 1.0  | 1.0  | 2.1  | 1.0  | 1.0  |
| 77.5° | 2.1  | 2.1  | 2.1  | 2.1  | 1.0  |
| 80°   | 2.1  | 2.1  | 2.1  | 2.1  | 1.0  |
| 82.5° | 2.1  | 2.1  | 3.1  | 2.1  | 1.0  |
| 85°   | 3.1  | 3.1  | 3.1  | 3.1  | 1.0  |
| 87.5° | 3.1  | 3.1  | 4.1  | 4.1  | 1.0  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)