

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: P179259

Luminaire Tested: **UTLD-E01-LED-E-U-SL3-HSS-7030**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P179259  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34325)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-E01-LED-E-U-SL3-HSS-7030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 1413.9 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1  
  
Input Watts (W): 24.7  
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

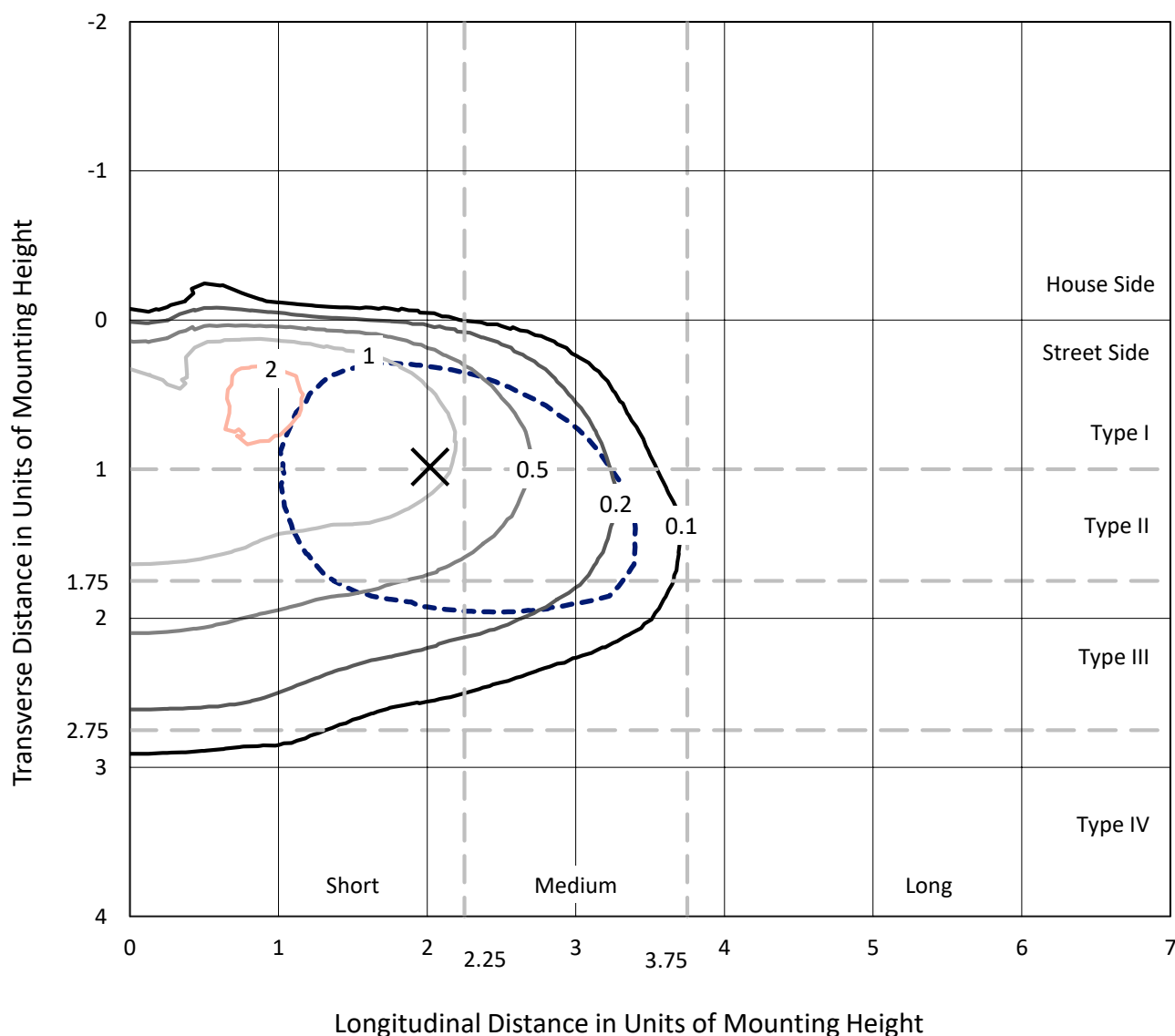


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 --- 1/2 Max cd

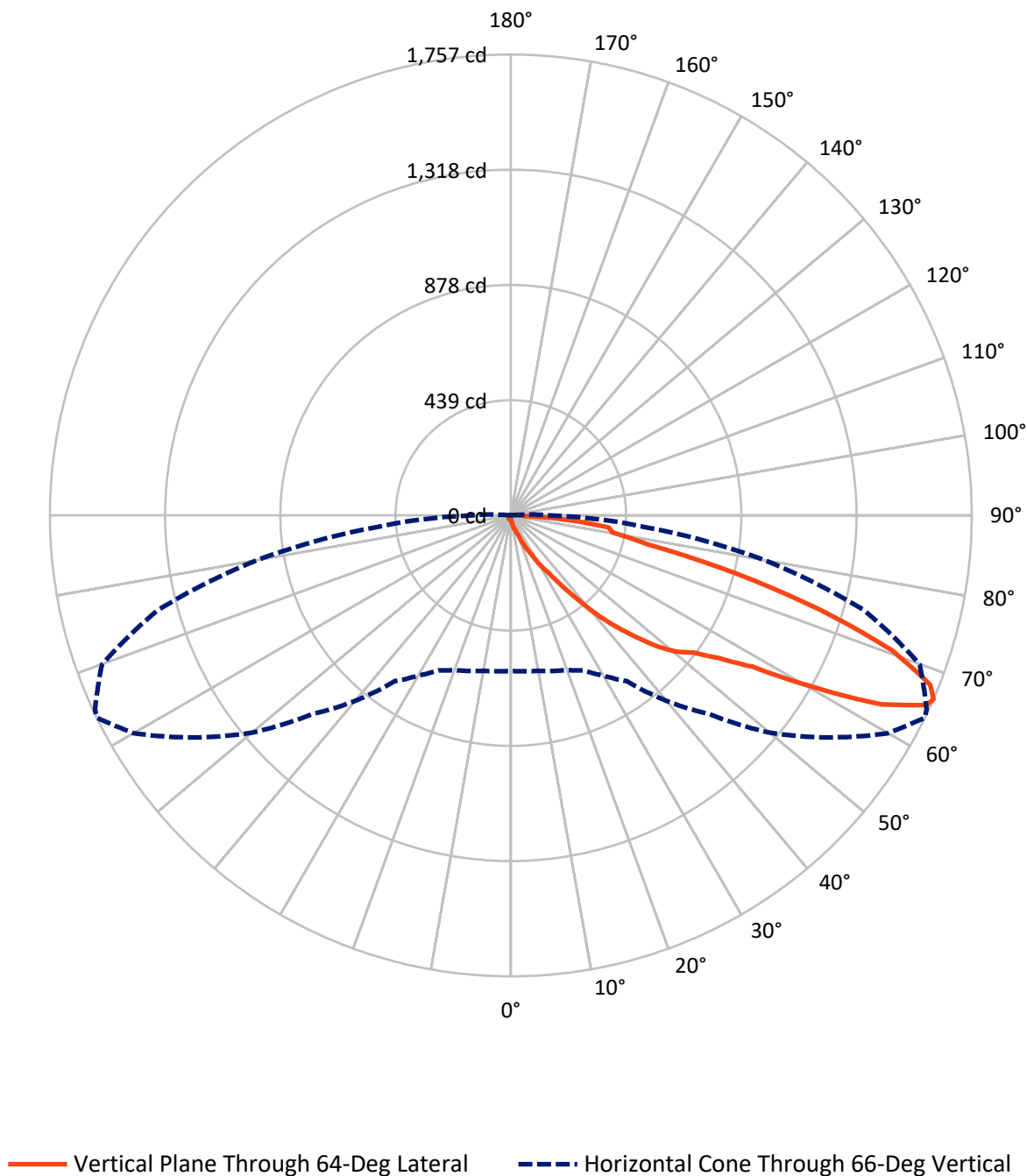


Based on 10 foot mounting height. Maximum calculated value = 2.3 fc  
 Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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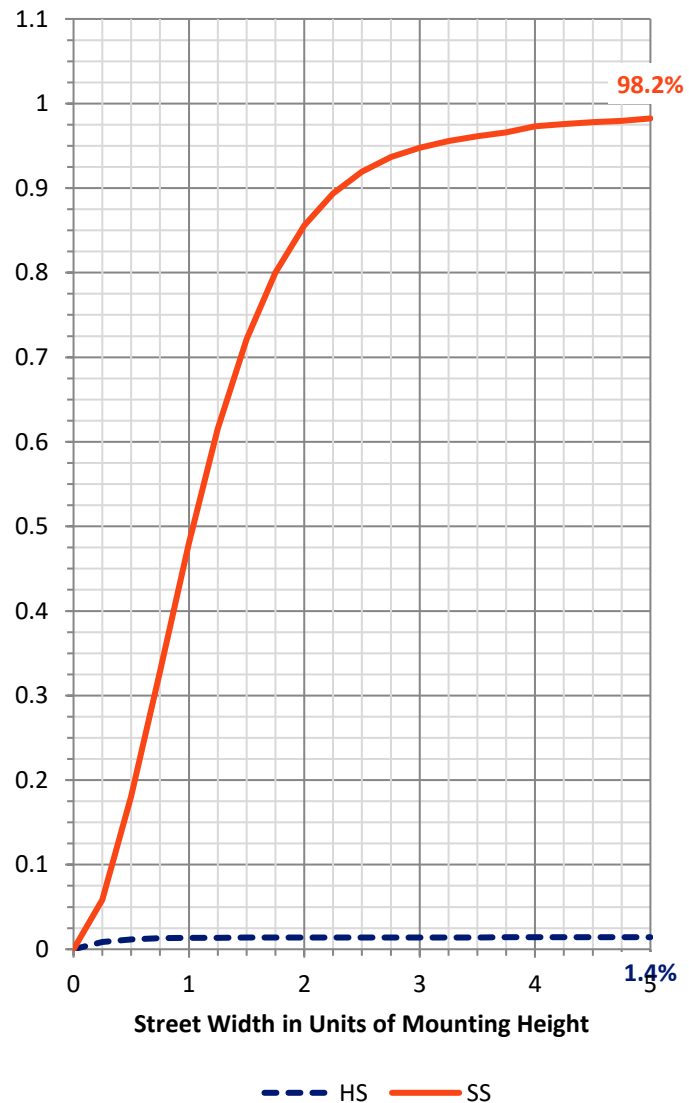
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 20.7     | 0.0    | 20.7   |
|                    | % Fixture | 1.5      | 0.0    | 1.5    |
| <b>Street Side</b> | Lumens    | 1393.2   | 0.0    | 1393.2 |
|                    | % Fixture | 98.5     | 0.0    | 98.5   |
| <b>Total</b>       | Lumens    | 1413.9   | 0.0    | 1413.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 2.0    | 0.1       |
| 10°-20°   | 11.0   | 0.8       |
| 20°-30°   | 33.8   | 2.4       |
| 30°-40°   | 89.8   | 6.4       |
| 40°-50°   | 208.9  | 14.8      |
| 50°-60°   | 356.3  | 25.2      |
| 60°-70°   | 470.3  | 33.3      |
| 70°-80°   | 211.0  | 14.9      |
| 80°-90°   | 30.7   | 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°    | 1413.9 | 100.0     |
| 0°-180°   | 1413.9 | 100.0     |

**Coefficient of Utilization**



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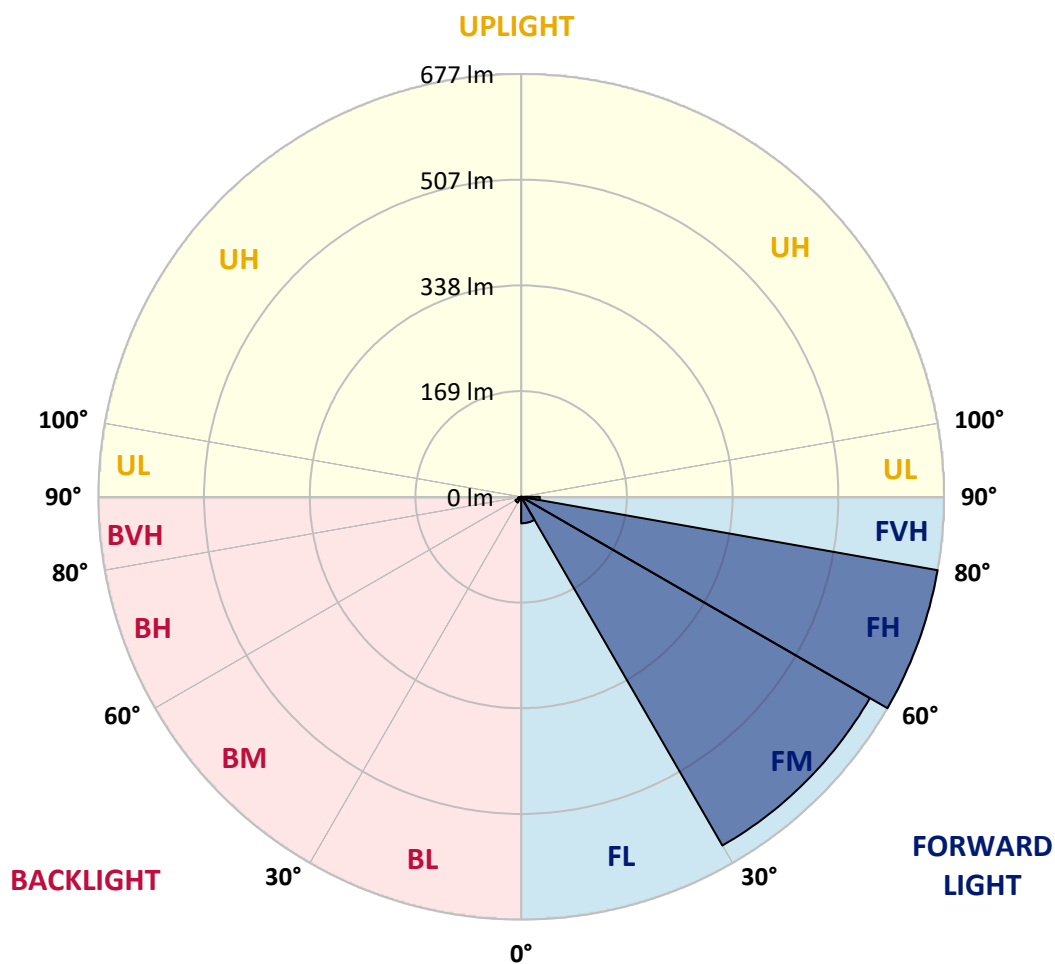
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 42.4   | 3.0       |                         |      |         |
| FM   | (30°-60°)   | 644.3  | 45.6      |                         |      |         |
| FH   | (60°-80°)   | 676.6  | 47.9      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 29.9   | 2.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 4.3    | 0.3       | B0/110                  |      |         |
| BM   | (30°-60°)   | 10.7   | 0.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 4.8    | 0.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 0.8    | 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°    | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  | 16.9  | 16.9   | 16.9   |
| 2.5°  | 24.2  | 24.2  | 24.2  | 23.7  | 23.3  | 23.3  | 22.8  | 22.4  | 22.4  | 22.4   | 21.9   |
| 5°    | 32.9  | 31.5  | 30.6  | 29.2  | 28.3  | 28.3  | 27.4  | 26.9  | 26.5  | 26.0   | 25.1   |
| 7.5°  | 48.9  | 48.4  | 47.5  | 47.0  | 46.6  | 46.1  | 44.8  | 44.3  | 42.9  | 39.3   | 30.1   |
| 10°   | 62.1  | 59.8  | 59.8  | 56.6  | 54.8  | 53.0  | 51.1  | 50.2  | 50.2  | 47.0   | 44.8   |
| 12.5° | 74.4  | 74.9  | 75.4  | 75.8  | 74.4  | 73.5  | 72.2  | 70.3  | 58.0  | 55.3   | 55.3   |
| 15°   | 99.1  | 98.2  | 96.8  | 90.0  | 79.9  | 78.1  | 74.4  | 74.9  | 81.3  | 77.2   | 65.8   |
| 17.5° | 102.8 | 102.8 | 101.8 | 100.5 | 98.6  | 95.4  | 95.9  | 93.2  | 84.5  | 82.7   | 82.2   |
| 20°   | 132.4 | 132.4 | 130.6 | 126.0 | 115.5 | 100.5 | 103.7 | 100.0 | 100.5 | 98.6   | 93.6   |
| 22.5° | 143.9 | 144.3 | 140.7 | 135.6 | 128.3 | 127.4 | 120.1 | 105.0 | 109.6 | 106.9  | 108.2  |
| 25°   | 182.2 | 181.3 | 176.3 | 165.8 | 156.2 | 133.8 | 123.3 | 125.6 | 119.2 | 115.5  | 132.4  |
| 27.5° | 224.2 | 223.3 | 205.0 | 184.0 | 169.0 | 153.4 | 146.1 | 132.9 | 135.6 | 138.8  | 144.3  |
| 30°   | 247.1 | 244.8 | 235.6 | 219.7 | 201.4 | 181.3 | 156.2 | 152.5 | 149.3 | 152.1  | 190.0  |
| 32.5° | 298.7 | 298.2 | 285.9 | 266.7 | 244.3 | 206.4 | 185.4 | 178.1 | 170.3 | 193.2  | 220.6  |
| 35°   | 356.2 | 354.4 | 345.2 | 316.9 | 287.7 | 258.9 | 243.4 | 220.1 | 227.0 | 240.7  | 283.1  |
| 37.5° | 401.4 | 401.4 | 389.1 | 364.0 | 350.7 | 327.0 | 306.9 | 303.2 | 292.7 | 312.8  | 363.1  |
| 40°   | 427.0 | 429.7 | 432.5 | 423.8 | 411.0 | 401.0 | 390.0 | 382.7 | 386.8 | 396.4  | 447.5  |
| 42.5° | 469.0 | 474.0 | 482.7 | 478.6 | 472.7 | 474.9 | 459.0 | 463.1 | 470.4 | 485.0  | 537.5  |
| 45°   | 530.2 | 534.3 | 543.9 | 551.2 | 561.3 | 555.8 | 525.6 | 547.1 | 562.6 | 572.2  | 627.9  |
| 47.5° | 590.9 | 598.7 | 611.5 | 622.4 | 638.4 | 633.0 | 616.1 | 625.2 | 640.7 | 650.8  | 715.2  |
| 50°   | 643.9 | 651.2 | 664.9 | 681.4 | 688.2 | 701.5 | 695.1 | 699.6 | 717.9 | 726.1  | 789.1  |
| 52.5° | 683.6 | 687.3 | 699.2 | 717.9 | 725.2 | 745.8 | 748.5 | 748.0 | 783.7 | 796.4  | 862.2  |
| 55°   | 704.6 | 708.3 | 719.7 | 734.3 | 743.9 | 771.8 | 769.0 | 776.8 | 829.8 | 854.0  | 936.6  |
| 57.5° | 708.8 | 713.3 | 722.5 | 740.7 | 748.5 | 781.4 | 775.0 | 793.2 | 862.7 | 912.4  | 1015.6 |
| 60°   | 701.0 | 706.0 | 713.8 | 731.1 | 742.1 | 773.6 | 783.2 | 808.3 | 896.0 | 975.9  | 1116.6 |
| 62.5° | 667.7 | 675.4 | 680.0 | 698.7 | 709.2 | 735.7 | 779.5 | 826.1 | 933.0 | 1035.7 | 1223.9 |
| 65°   | 616.5 | 620.6 | 627.0 | 640.7 | 653.0 | 679.5 | 738.0 | 805.6 | 942.6 | 1073.2 | 1286.5 |
| 66°   | 592.8 | 596.4 | 601.4 | 613.8 | 627.0 | 651.7 | 704.6 | 771.3 | 921.6 | 1071.4 | 1288.3 |
| 67.5° | 546.6 | 548.5 | 557.6 | 567.2 | 581.8 | 597.3 | 638.0 | 704.2 | 859.5 | 1025.2 | 1254.0 |
| 70°   | 369.0 | 374.9 | 400.0 | 433.4 | 453.9 | 451.7 | 477.2 | 535.7 | 672.7 | 833.4  | 1081.9 |
| 72.5° | 173.5 | 175.4 | 178.6 | 191.8 | 267.6 | 283.1 | 300.9 | 351.2 | 454.4 | 580.4  | 789.6  |
| 75°   | 142.0 | 143.9 | 149.3 | 156.2 | 172.2 | 190.9 | 197.3 | 216.9 | 291.8 | 359.9  | 482.7  |
| 77.5° | 48.4  | 49.8  | 53.4  | 63.5  | 97.3  | 121.9 | 143.9 | 179.0 | 219.7 | 255.7  | 316.5  |
| 80°   | 20.1  | 21.5  | 23.3  | 21.5  | 25.1  | 41.6  | 52.5  | 76.7  | 133.8 | 196.4  | 250.7  |
| 82.5° | 11.0  | 11.4  | 12.8  | 11.9  | 14.6  | 19.2  | 20.6  | 22.4  | 32.4  | 65.8   | 140.7  |
| 85°   | 3.2   | 3.2   | 3.7   | 5.9   | 8.7   | 12.8  | 12.8  | 12.3  | 12.3  | 18.7   | 35.2   |
| 87.5° | 0.9   | 0.9   | 1.4   | 1.8   | 2.7   | 4.6   | 5.5   | 5.5   | 5.9   | 7.8    | 11.4   |
| 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°    | 16.9   | 16.9   | 16.9   | 16.9   | 16.9   | 16.9   | 16.9  | 16.9  | 16.9  | 16.9 | 16.9 |
| 2.5°  | 21.9   | 21.9   | 21.9   | 21.9   | 21.5   | 21.5   | 20.1  | 18.3  | 16.4  | 14.6 | 13.2 |
| 5°    | 24.7   | 23.3   | 22.8   | 22.8   | 21.5   | 21.5   | 21.0  | 19.6  | 15.1  | 12.8 | 11.4 |
| 7.5°  | 27.9   | 26.0   | 25.1   | 25.1   | 23.7   | 21.9   | 21.0  | 20.1  | 15.5  | 12.3 | 11.0 |
| 10°   | 43.8   | 36.5   | 31.5   | 30.1   | 28.3   | 26.0   | 24.7  | 24.7  | 18.3  | 14.6 | 13.2 |
| 12.5° | 53.4   | 50.7   | 47.5   | 45.2   | 32.9   | 29.7   | 28.3  | 24.7  | 19.2  | 14.2 | 12.3 |
| 15°   | 61.2   | 57.1   | 53.4   | 52.5   | 52.1   | 39.7   | 34.3  | 31.1  | 22.4  | 18.3 | 15.1 |
| 17.5° | 88.1   | 70.3   | 64.4   | 63.9   | 58.0   | 43.8   | 37.9  | 31.1  | 24.2  | 18.3 | 15.1 |
| 20°   | 93.2   | 86.3   | 76.7   | 78.5   | 79.5   | 69.4   | 54.3  | 42.5  | 32.0  | 24.2 | 18.3 |
| 22.5° | 119.6  | 116.0  | 110.1  | 108.2  | 90.9   | 79.5   | 58.9  | 49.8  | 34.7  | 24.2 | 18.3 |
| 25°   | 137.0  | 134.7  | 142.5  | 141.1  | 131.1  | 110.5  | 80.8  | 59.4  | 43.4  | 27.9 | 20.6 |
| 27.5° | 170.8  | 181.8  | 166.7  | 171.3  | 152.1  | 132.9  | 106.4 | 73.5  | 46.1  | 29.2 | 21.0 |
| 30°   | 194.1  | 209.6  | 219.7  | 216.9  | 192.3  | 154.8  | 118.3 | 83.1  | 50.2  | 29.2 | 21.9 |
| 32.5° | 243.9  | 254.4  | 256.2  | 250.7  | 236.1  | 195.5  | 141.6 | 95.4  | 52.5  | 30.1 | 23.3 |
| 35°   | 290.0  | 316.5  | 316.0  | 316.9  | 287.7  | 240.7  | 171.3 | 102.8 | 56.2  | 30.1 | 23.3 |
| 37.5° | 379.0  | 393.7  | 391.8  | 391.4  | 358.9  | 294.1  | 201.9 | 124.2 | 60.3  | 30.1 | 22.8 |
| 40°   | 464.9  | 482.7  | 482.2  | 477.2  | 443.0  | 358.0  | 253.5 | 141.6 | 64.4  | 31.1 | 21.5 |
| 42.5° | 548.0  | 556.2  | 569.9  | 571.8  | 513.3  | 431.6  | 306.0 | 165.3 | 69.0  | 32.0 | 20.6 |
| 45°   | 634.8  | 625.6  | 651.7  | 649.8  | 596.0  | 509.6  | 350.7 | 193.2 | 76.3  | 31.1 | 19.2 |
| 47.5° | 722.5  | 720.6  | 743.0  | 726.6  | 686.4  | 602.8  | 414.7 | 222.9 | 80.8  | 29.7 | 17.8 |
| 50°   | 800.1  | 814.7  | 816.5  | 792.3  | 771.8  | 694.1  | 499.1 | 262.6 | 90.0  | 27.4 | 16.9 |
| 52.5° | 868.1  | 891.9  | 868.1  | 863.1  | 862.2  | 766.8  | 570.4 | 298.2 | 98.6  | 25.1 | 15.5 |
| 55°   | 953.1  | 970.4  | 957.6  | 959.5  | 968.6  | 890.1  | 658.1 | 364.0 | 113.7 | 22.8 | 14.2 |
| 57.5° | 1061.8 | 1096.5 | 1089.2 | 1121.1 | 1123.0 | 1064.5 | 782.7 | 438.9 | 131.5 | 21.0 | 12.8 |
| 60°   | 1206.1 | 1291.5 | 1333.0 | 1368.7 | 1327.6 | 1254.5 | 921.1 | 501.0 | 145.7 | 19.2 | 11.4 |
| 62.5° | 1371.9 | 1512.5 | 1586.5 | 1626.7 | 1513.4 | 1357.2 | 977.3 | 527.5 | 148.9 | 16.9 | 10.0 |
| 65°   | 1466.8 | 1642.7 | 1741.3 | 1744.0 | 1635.8 | 1388.3 | 985.5 | 526.5 | 145.7 | 14.6 | 8.7  |
| 66°   | 1475.5 | 1659.6 | 1756.8 | 1748.6 | 1657.7 | 1391.9 | 980.0 | 518.3 | 142.5 | 13.7 | 8.2  |
| 67.5° | 1444.0 | 1628.0 | 1724.4 | 1708.9 | 1644.5 | 1371.4 | 943.9 | 497.3 | 136.1 | 12.3 | 7.8  |
| 70°   | 1279.6 | 1444.9 | 1542.6 | 1521.6 | 1526.2 | 1250.4 | 792.3 | 424.3 | 118.7 | 10.0 | 6.9  |
| 72.5° | 1008.8 | 1194.7 | 1237.6 | 1222.1 | 1249.9 | 924.8  | 559.9 | 297.8 | 88.6  | 8.2  | 5.9  |
| 75°   | 676.8  | 862.7  | 892.3  | 880.0  | 792.3  | 465.8  | 222.4 | 125.6 | 46.1  | 6.9  | 5.0  |
| 77.5° | 407.8  | 543.4  | 535.7  | 537.0  | 424.3  | 189.1  | 42.0  | 29.2  | 15.5  | 5.5  | 3.7  |
| 80°   | 298.2  | 377.2  | 392.7  | 402.3  | 332.9  | 123.8  | 23.3  | 17.4  | 9.1   | 4.1  | 2.7  |
| 82.5° | 242.0  | 337.9  | 375.8  | 379.5  | 301.4  | 98.2   | 17.8  | 13.7  | 6.9   | 3.2  | 1.8  |
| 85°   | 66.2   | 172.6  | 213.3  | 202.3  | 128.3  | 33.3   | 12.8  | 9.1   | 4.6   | 2.3  | 1.8  |
| 87.5° | 15.5   | 39.3   | 49.8   | 51.1   | 36.5   | 12.3   | 11.0  | 8.7   | 3.2   | 1.8  | 1.8  |
| 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):**

|       | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|------|------|------|------|------|------|------|------|------|------|------|
| 0°    | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 |
| 2.5°  | 12.8 | 12.3 | 11.9 | 11.4 | 11.4 | 11.0 | 11.0 | 11.0 | 10.5 | 11.0 | 11.0 |
| 5°    | 11.0 | 10.5 | 10.0 | 9.6  | 9.1  | 9.1  | 9.1  | 9.6  | 10.0 | 10.0 | 10.0 |
| 7.5°  | 10.5 | 9.6  | 9.1  | 9.1  | 9.1  | 6.4  | 4.6  | 4.1  | 4.1  | 4.1  | 4.6  |
| 10°   | 11.0 | 9.6  | 10.0 | 5.5  | 3.7  | 3.7  | 3.7  | 3.7  | 3.7  | 5.0  | 5.9  |
| 12.5° | 11.4 | 10.5 | 5.9  | 5.5  | 5.0  | 4.6  | 5.5  | 5.0  | 5.0  | 5.5  | 5.5  |
| 15°   | 13.2 | 8.2  | 6.4  | 5.5  | 6.4  | 6.9  | 6.4  | 5.9  | 5.0  | 5.0  | 5.9  |
| 17.5° | 11.0 | 8.2  | 7.3  | 8.2  | 8.2  | 6.9  | 5.9  | 6.9  | 6.9  | 6.4  | 5.9  |
| 20°   | 13.2 | 11.4 | 10.0 | 8.7  | 7.8  | 7.3  | 7.8  | 6.9  | 6.4  | 6.4  | 6.9  |
| 22.5° | 14.2 | 12.3 | 12.8 | 11.4 | 10.5 | 8.2  | 7.8  | 6.9  | 7.3  | 6.9  | 6.9  |
| 25°   | 17.4 | 17.4 | 15.1 | 11.9 | 11.0 | 9.6  | 9.1  | 7.3  | 7.3  | 6.4  | 6.9  |
| 27.5° | 18.7 | 16.9 | 15.1 | 13.7 | 12.3 | 9.6  | 9.1  | 7.8  | 6.9  | 6.9  | 5.9  |
| 30°   | 19.6 | 17.4 | 15.5 | 13.7 | 11.9 | 10.5 | 9.1  | 7.8  | 6.9  | 6.4  | 6.4  |
| 32.5° | 21.0 | 18.3 | 15.1 | 12.8 | 11.4 | 9.6  | 9.1  | 7.3  | 6.4  | 5.5  | 5.5  |
| 35°   | 19.6 | 16.9 | 14.6 | 12.8 | 10.5 | 9.1  | 8.2  | 6.9  | 5.5  | 5.5  | 5.0  |
| 37.5° | 18.3 | 15.5 | 13.2 | 11.9 | 10.0 | 8.2  | 7.3  | 5.9  | 5.0  | 4.6  | 4.6  |
| 40°   | 17.4 | 14.6 | 12.3 | 10.5 | 8.7  | 7.3  | 6.4  | 5.0  | 4.1  | 3.7  | 3.7  |
| 42.5° | 16.0 | 13.2 | 11.0 | 9.1  | 7.8  | 6.4  | 5.5  | 4.1  | 3.2  | 2.7  | 2.7  |
| 45°   | 15.1 | 12.3 | 10.0 | 8.2  | 6.4  | 5.5  | 4.1  | 3.2  | 2.3  | 1.8  | 1.8  |
| 47.5° | 14.2 | 11.4 | 8.7  | 6.9  | 5.5  | 4.6  | 3.2  | 2.3  | 1.4  | 1.4  | 0.9  |
| 50°   | 12.8 | 10.0 | 7.8  | 5.9  | 4.6  | 3.7  | 2.3  | 1.4  | 0.9  | 0.5  | 0.5  |
| 52.5° | 11.9 | 8.7  | 6.9  | 5.0  | 3.7  | 2.7  | 1.8  | 0.9  | 0.5  | 0.5  | 0.5  |
| 55°   | 10.5 | 7.8  | 5.9  | 4.1  | 3.2  | 1.8  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  |
| 57.5° | 9.1  | 6.4  | 5.0  | 3.7  | 2.3  | 1.4  | 0.9  | 0.5  | 0.5  | 0.5  | 0.0  |
| 60°   | 7.8  | 5.5  | 4.1  | 2.7  | 1.8  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.0  |
| 62.5° | 6.9  | 4.6  | 3.2  | 2.3  | 1.4  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.0  |
| 65°   | 5.9  | 3.7  | 2.7  | 1.8  | 0.9  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.0  |
| 66°   | 5.5  | 3.7  | 2.3  | 1.4  | 0.9  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.0  |
| 67.5° | 5.0  | 3.2  | 2.3  | 1.4  | 0.9  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 70°   | 4.6  | 2.7  | 1.8  | 1.4  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 72.5° | 4.1  | 2.3  | 1.4  | 1.4  | 0.9  | 0.9  | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 75°   | 2.7  | 1.4  | 1.4  | 0.9  | 0.9  | 0.9  | 0.5  | 0.9  | 0.9  | 0.9  | 0.9  |
| 77.5° | 1.8  | 1.4  | 0.9  | 0.9  | 0.9  | 0.9  | 0.5  | 0.9  | 0.9  | 0.9  | 0.9  |
| 80°   | 1.8  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 0.5  | 1.4  | 1.4  | 1.4  | 0.9  |
| 82.5° | 1.4  | 1.4  | 1.4  | 1.4  | 1.8  | 1.8  | 0.5  | 1.8  | 1.8  | 1.4  | 1.4  |
| 85°   | 1.4  | 1.4  | 1.4  | 1.8  | 1.8  | 2.3  | 0.5  | 1.8  | 1.8  | 1.8  | 1.8  |
| 87.5° | 1.4  | 1.8  | 1.8  | 1.8  | 2.3  | 2.3  | 0.9  | 2.3  | 2.3  | 2.3  | 1.8  |
| 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: P179259

CATALOG NUMBER: UTLD-E01-LED-E-U-SL3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160° | 165° | 170° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 16.9 | 16.9 | 16.9 | 16.9 | 16.9 |
| 2.5°  | 11.0 | 11.4 | 11.4 | 11.9 | 11.9 |
| 5°    | 9.1  | 9.1  | 8.2  | 8.2  | 7.8  |
| 7.5°  | 4.6  | 4.6  | 5.0  | 5.0  | 5.0  |
| 10°   | 6.4  | 6.9  | 6.9  | 6.9  | 7.3  |
| 12.5° | 5.5  | 5.9  | 6.4  | 6.4  | 6.4  |
| 15°   | 6.4  | 6.9  | 7.3  | 7.3  | 7.3  |
| 17.5° | 5.9  | 5.9  | 6.4  | 6.4  | 6.9  |
| 20°   | 6.9  | 6.9  | 6.9  | 6.9  | 6.9  |
| 22.5° | 5.9  | 5.9  | 6.9  | 7.3  | 7.3  |
| 25°   | 6.9  | 6.4  | 6.4  | 6.9  | 6.4  |
| 27.5° | 5.9  | 6.4  | 6.9  | 6.9  | 6.9  |
| 30°   | 5.9  | 5.9  | 5.9  | 5.9  | 6.4  |
| 32.5° | 5.9  | 5.9  | 5.9  | 5.9  | 5.9  |
| 35°   | 5.0  | 5.5  | 5.5  | 5.9  | 5.9  |
| 37.5° | 4.6  | 4.6  | 5.0  | 5.0  | 5.0  |
| 40°   | 3.7  | 3.7  | 3.7  | 4.1  | 4.1  |
| 42.5° | 2.7  | 2.7  | 2.7  | 3.2  | 2.7  |
| 45°   | 1.8  | 1.8  | 1.8  | 1.8  | 1.8  |
| 47.5° | 0.9  | 0.9  | 1.4  | 1.4  | 1.4  |
| 50°   | 0.5  | 0.5  | 0.9  | 0.9  | 0.9  |
| 52.5° | 0.5  | 0.5  | 0.5  | 0.9  | 0.9  |
| 55°   | 0.5  | 0.5  | 0.5  | 0.5  | 0.9  |
| 57.5° | 0.0  | 0.5  | 0.5  | 0.5  | 0.5  |
| 60°   | 0.0  | 0.5  | 0.5  | 0.5  | 0.5  |
| 62.5° | 0.0  | 0.5  | 0.5  | 0.5  | 0.5  |
| 65°   | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 66°   | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 67.5° | 0.5  | 0.5  | 0.5  | 0.5  | 0.5  |
| 70°   | 0.5  | 0.5  | 0.5  | 0.5  | 0.9  |
| 72.5° | 0.5  | 0.5  | 0.9  | 0.5  | 0.9  |
| 75°   | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 77.5° | 0.9  | 0.9  | 0.9  | 0.9  | 0.9  |
| 80°   | 0.9  | 1.4  | 1.4  | 0.9  | 0.9  |
| 82.5° | 1.4  | 1.4  | 1.4  | 1.4  | 0.9  |
| 85°   | 1.4  | 1.4  | 1.8  | 1.8  | 0.9  |
| 87.5° | 1.8  | 1.8  | 1.8  | 1.8  | 0.9  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)