

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: P179278

Luminaire Tested: **UTLD-E03-LED-E-U-SL3-HSS-8030**

Issue Date: 3/3/2020

#### Test Information

Test Method: LM-79-08  
Report Number: P179278  
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-E03-LED-E-U-SL3-HSS-8030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL AND  
HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

#### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 3919.6 lumens  
Efficiency: N/A  
Efficacy: 52.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 75.2  
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

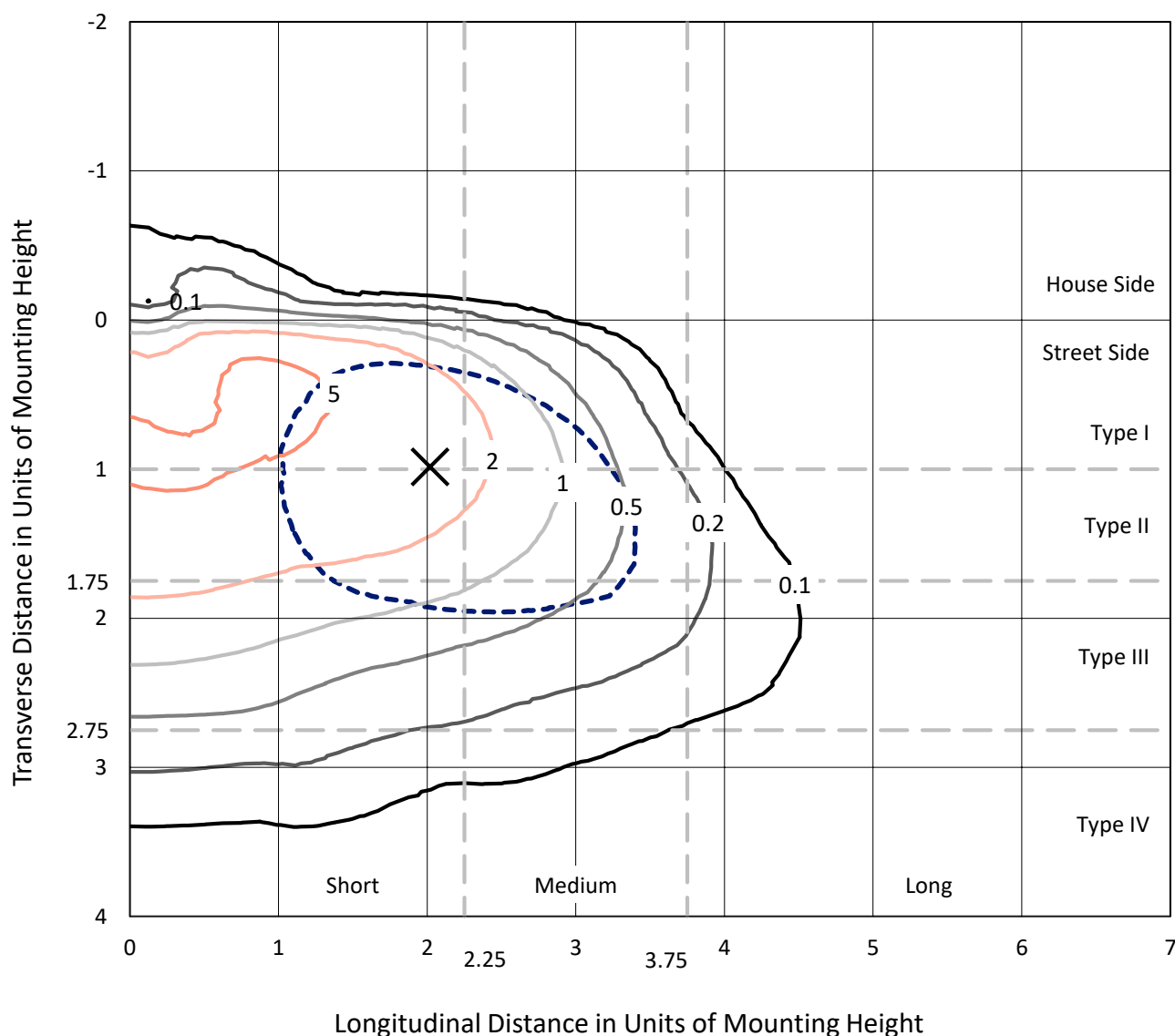


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

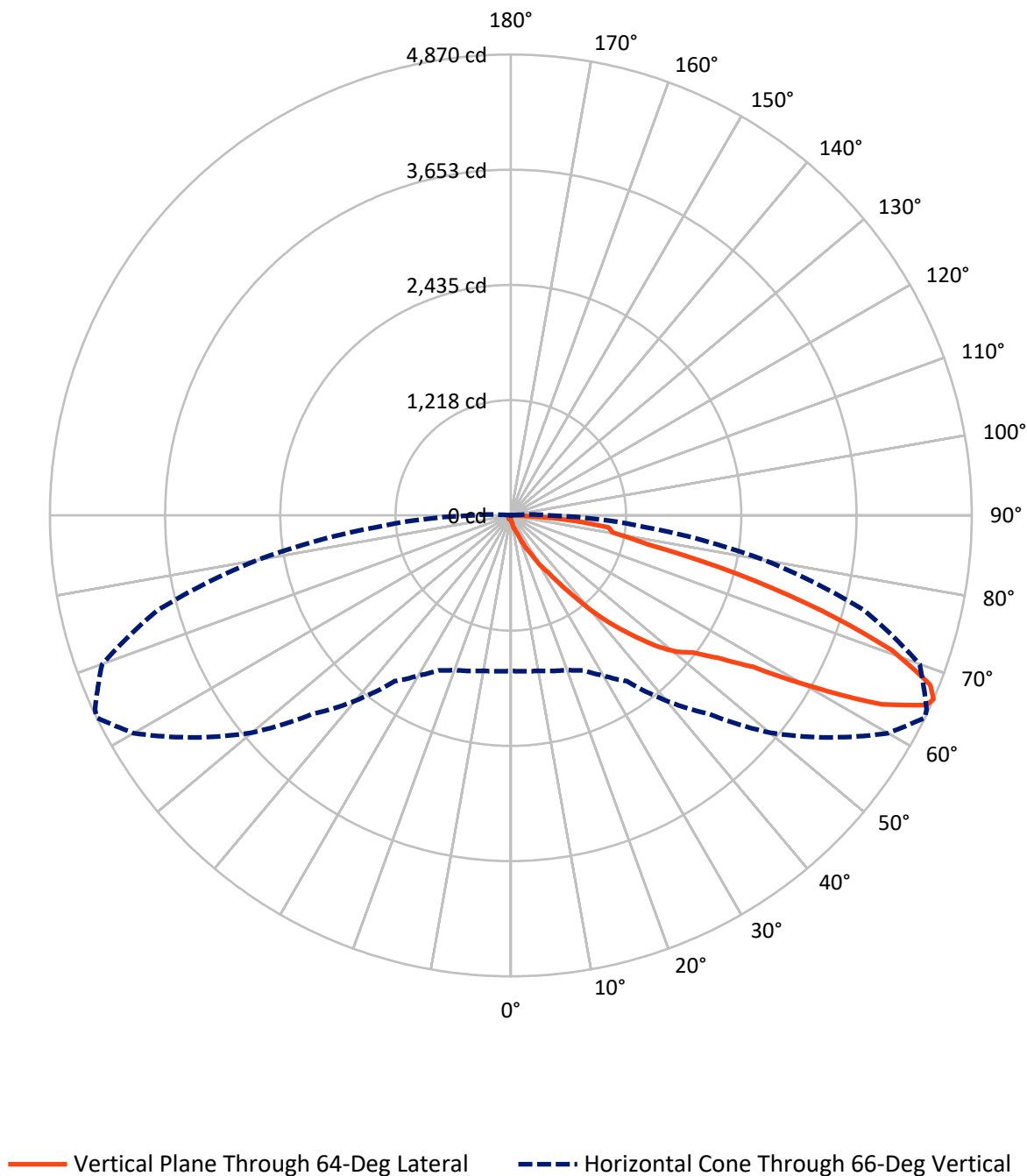


Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type III - Short - Non-Cutoff

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## Luminous Intensity Polar Plot



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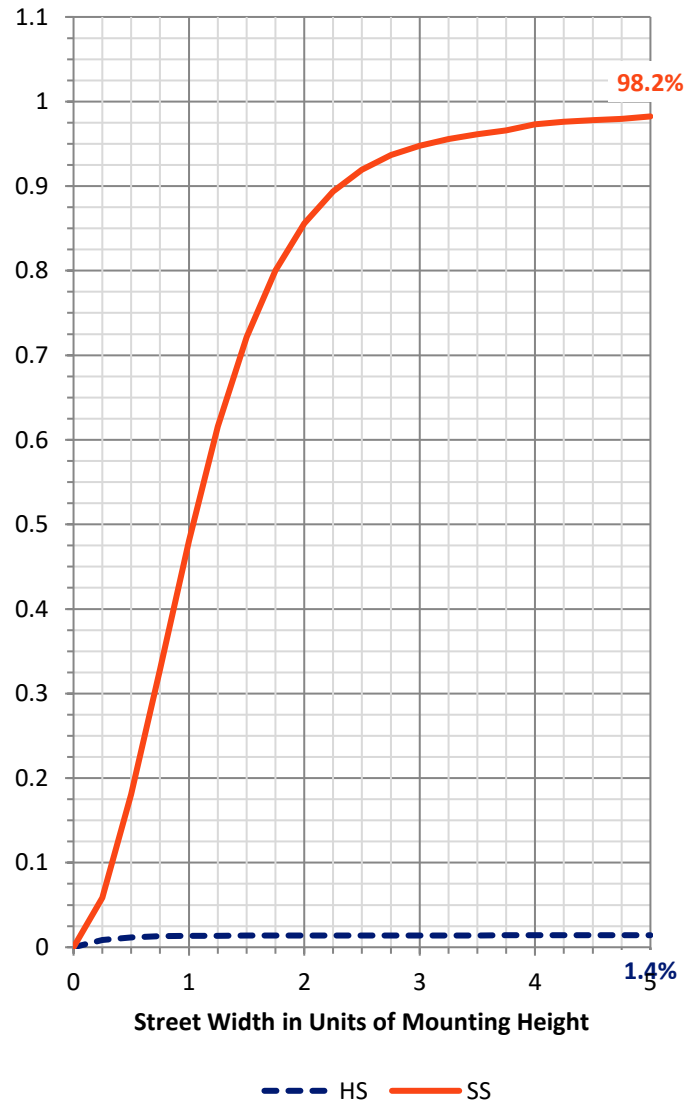
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 57.3     | 0.0    | 57.3   |
|                    | % Fixture | 1.5      | 0.0    | 1.5    |
| <b>Street Side</b> | Lumens    | 3862.3   | 0.0    | 3862.3 |
|                    | % Fixture | 98.5     | 0.0    | 98.5   |
| <b>Total</b>       | Lumens    | 3919.6   | 0.0    | 3919.6 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 5.4    | 0.1       |
| 10°-20°   | 30.6   | 0.8       |
| 20°-30°   | 93.6   | 2.4       |
| 30°-40°   | 249.0  | 6.4       |
| 40°-50°   | 579.2  | 14.8      |
| 50°-60°   | 987.6  | 25.2      |
| 60°-70°   | 1303.9 | 33.3      |
| 70°-80°   | 585.0  | 14.9      |
| 80°-90°   | 85.1   | 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°    | 3919.6 | 100.0     |
| 0°-180°   | 3919.6 | 100.0     |

**Coefficient of Utilization**



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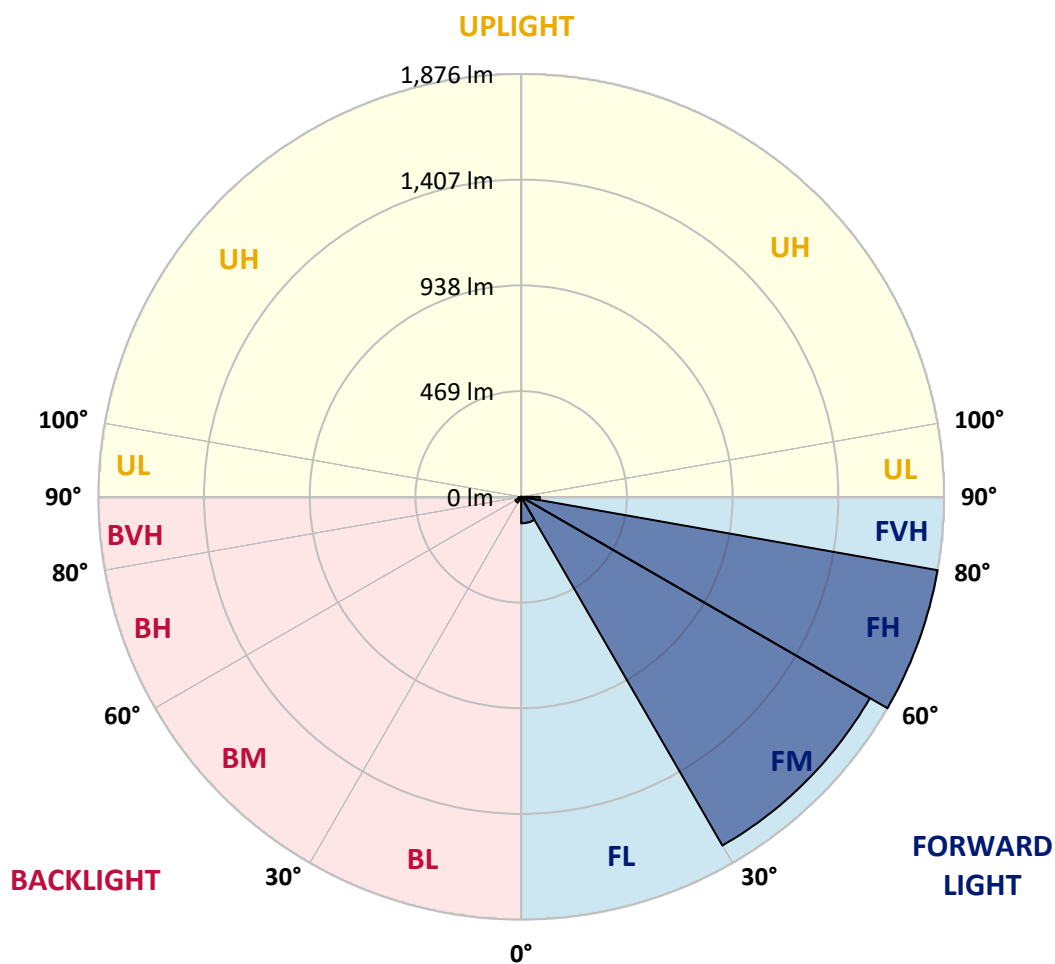
CATALOG NUMBER: UTLD-E03-LED-E-U-SL3-HSS-8030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 117.6  | 3.0       |                         |      |         |
| FM   | (30°-60°)   | 1786.1 | 45.6      |                         |      |         |
| FH   | (60°-80°)   | 1875.7 | 47.9      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.8   | 2.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 12.0   | 0.3       | B0/110                  |      |         |
| BM   | (30°-60°)   | 29.7   | 0.8       | B0/220                  |      |         |
| BH   | (60°-80°)   | 13.2   | 0.3       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 2.3    | 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-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   |
| 2.5°  | 67.1   | 67.1   | 67.1   | 65.8   | 64.6   | 64.6   | 63.3   | 62.0   | 62.0   | 62.0   | 60.8   |
| 5°    | 91.2   | 87.4   | 84.8   | 81.0   | 78.5   | 78.5   | 76.0   | 74.7   | 73.4   | 72.2   | 69.6   |
| 7.5°  | 135.5  | 134.2  | 131.7  | 130.4  | 129.1  | 127.9  | 124.1  | 122.8  | 119.0  | 108.9  | 83.6   |
| 10°   | 172.2  | 165.8  | 165.8  | 157.0  | 151.9  | 146.9  | 141.8  | 139.3  | 139.3  | 130.4  | 124.1  |
| 12.5° | 206.4  | 207.6  | 208.9  | 210.2  | 206.4  | 203.8  | 200.0  | 195.0  | 160.8  | 153.2  | 153.2  |
| 15°   | 274.7  | 272.2  | 268.4  | 249.4  | 221.5  | 216.5  | 206.4  | 207.6  | 225.3  | 214.0  | 182.3  |
| 17.5° | 284.8  | 284.8  | 282.3  | 278.5  | 273.5  | 264.6  | 265.9  | 258.3  | 234.2  | 229.1  | 227.9  |
| 20°   | 367.1  | 367.1  | 362.1  | 349.4  | 320.3  | 278.5  | 287.4  | 277.3  | 278.5  | 273.5  | 259.5  |
| 22.5° | 398.8  | 400.1  | 389.9  | 376.0  | 355.7  | 353.2  | 333.0  | 291.2  | 303.8  | 296.2  | 300.0  |
| 25°   | 505.1  | 502.6  | 488.7  | 459.6  | 433.0  | 370.9  | 341.8  | 348.1  | 330.4  | 320.3  | 367.1  |
| 27.5° | 621.6  | 619.1  | 568.4  | 510.2  | 468.4  | 425.4  | 405.1  | 368.4  | 376.0  | 384.9  | 400.1  |
| 30°   | 684.9  | 678.6  | 653.2  | 608.9  | 558.3  | 502.6  | 433.0  | 422.8  | 414.0  | 421.6  | 526.7  |
| 32.5° | 828.0  | 826.7  | 792.5  | 739.3  | 677.3  | 572.2  | 514.0  | 493.7  | 472.2  | 535.5  | 611.5  |
| 35°   | 987.5  | 982.4  | 957.1  | 878.6  | 797.6  | 717.8  | 674.8  | 610.2  | 629.2  | 667.2  | 784.9  |
| 37.5° | 1112.8 | 1112.8 | 1078.6 | 1009.0 | 972.3  | 906.4  | 850.7  | 840.6  | 811.5  | 867.2  | 1006.5 |
| 40°   | 1183.7 | 1191.3 | 1198.9 | 1174.8 | 1139.4 | 1111.5 | 1081.2 | 1060.9 | 1072.3 | 1098.9 | 1240.7 |
| 42.5° | 1300.2 | 1314.1 | 1338.1 | 1326.8 | 1310.3 | 1316.6 | 1272.3 | 1283.7 | 1304.0 | 1344.5 | 1490.1 |
| 45°   | 1469.8 | 1481.2 | 1507.8 | 1528.0 | 1555.9 | 1540.7 | 1457.2 | 1516.7 | 1559.7 | 1586.3 | 1740.7 |
| 47.5° | 1638.2 | 1659.7 | 1695.2 | 1725.5 | 1769.8 | 1754.7 | 1707.8 | 1733.1 | 1776.2 | 1804.0 | 1982.5 |
| 50°   | 1785.0 | 1805.3 | 1843.3 | 1888.9 | 1907.8 | 1944.6 | 1926.8 | 1939.5 | 1990.1 | 2012.9 | 2187.6 |
| 52.5° | 1895.2 | 1905.3 | 1938.2 | 1990.1 | 2010.4 | 2067.4 | 2075.0 | 2073.7 | 2172.4 | 2207.9 | 2390.2 |
| 55°   | 1953.4 | 1963.5 | 1995.2 | 2035.7 | 2062.3 | 2139.5 | 2131.9 | 2153.4 | 2300.3 | 2367.4 | 2596.5 |
| 57.5° | 1964.8 | 1977.5 | 2002.8 | 2053.4 | 2075.0 | 2166.1 | 2148.4 | 2199.0 | 2391.4 | 2529.4 | 2815.6 |
| 60°   | 1943.3 | 1957.2 | 1978.7 | 2026.8 | 2057.2 | 2144.6 | 2171.2 | 2240.8 | 2483.9 | 2705.4 | 3095.3 |
| 62.5° | 1850.9 | 1872.4 | 1885.1 | 1937.0 | 1966.1 | 2039.5 | 2161.0 | 2290.2 | 2586.4 | 2871.3 | 3392.8 |
| 65°   | 1709.1 | 1720.5 | 1738.2 | 1776.2 | 1810.4 | 1883.8 | 2045.8 | 2233.2 | 2613.0 | 2975.1 | 3566.3 |
| 66°   | 1643.3 | 1653.4 | 1667.3 | 1701.5 | 1738.2 | 1806.6 | 1953.4 | 2138.3 | 2554.8 | 2970.0 | 3571.3 |
| 67.5° | 1515.4 | 1520.4 | 1545.8 | 1572.4 | 1612.9 | 1655.9 | 1768.6 | 1952.2 | 2382.6 | 2842.1 | 3476.4 |
| 70°   | 1022.9 | 1039.4 | 1109.0 | 1201.4 | 1258.4 | 1252.1 | 1323.0 | 1485.0 | 1864.8 | 2310.4 | 2999.1 |
| 72.5° | 481.1  | 486.1  | 495.0  | 531.7  | 741.9  | 784.9  | 834.3  | 973.5  | 1259.7 | 1609.1 | 2188.9 |
| 75°   | 393.7  | 398.8  | 414.0  | 433.0  | 477.3  | 529.2  | 546.9  | 601.3  | 809.0  | 997.6  | 1338.1 |
| 77.5° | 134.2  | 138.0  | 148.1  | 176.0  | 269.7  | 338.0  | 398.8  | 496.3  | 608.9  | 709.0  | 877.3  |
| 80°   | 55.7   | 59.5   | 64.6   | 59.5   | 69.6   | 115.2  | 145.6  | 212.7  | 370.9  | 544.4  | 695.0  |
| 82.5° | 30.4   | 31.6   | 35.4   | 32.9   | 40.5   | 53.2   | 57.0   | 62.0   | 89.9   | 182.3  | 389.9  |
| 85°   | 8.9    | 8.9    | 10.1   | 16.5   | 24.1   | 35.4   | 35.4   | 34.2   | 34.2   | 51.9   | 97.5   |
| 87.5° | 2.5    | 2.5    | 3.8    | 5.1    | 7.6    | 12.7   | 15.2   | 15.2   | 16.5   | 21.5   | 31.6   |
| 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°    | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8   | 46.8  | 46.8 | 46.8 |
| 2.5°  | 60.8   | 60.8   | 60.8   | 60.8   | 59.5   | 59.5   | 55.7   | 50.6   | 45.6  | 40.5 | 36.7 |
| 5°    | 68.4   | 64.6   | 63.3   | 63.3   | 59.5   | 59.5   | 58.2   | 54.4   | 41.8  | 35.4 | 31.6 |
| 7.5°  | 77.2   | 72.2   | 69.6   | 69.6   | 65.8   | 60.8   | 58.2   | 55.7   | 43.0  | 34.2 | 30.4 |
| 10°   | 121.5  | 101.3  | 87.4   | 83.6   | 78.5   | 72.2   | 68.4   | 68.4   | 50.6  | 40.5 | 36.7 |
| 12.5° | 148.1  | 140.5  | 131.7  | 125.3  | 91.2   | 82.3   | 78.5   | 68.4   | 53.2  | 39.2 | 34.2 |
| 15°   | 169.6  | 158.2  | 148.1  | 145.6  | 144.3  | 110.1  | 94.9   | 86.1   | 62.0  | 50.6 | 41.8 |
| 17.5° | 244.3  | 195.0  | 178.5  | 177.2  | 160.8  | 121.5  | 105.1  | 86.1   | 67.1  | 50.6 | 41.8 |
| 20°   | 258.3  | 239.3  | 212.7  | 217.7  | 220.3  | 192.4  | 150.7  | 117.7  | 88.6  | 67.1 | 50.6 |
| 22.5° | 331.7  | 321.6  | 305.1  | 300.0  | 251.9  | 220.3  | 163.3  | 138.0  | 96.2  | 67.1 | 50.6 |
| 25°   | 379.8  | 373.5  | 395.0  | 391.2  | 363.3  | 306.4  | 224.1  | 164.6  | 120.3 | 77.2 | 57.0 |
| 27.5° | 473.5  | 503.9  | 462.1  | 474.7  | 421.6  | 368.4  | 295.0  | 203.8  | 127.9 | 81.0 | 58.2 |
| 30°   | 538.0  | 581.1  | 608.9  | 601.3  | 533.0  | 429.2  | 327.9  | 230.4  | 139.3 | 81.0 | 60.8 |
| 32.5° | 676.0  | 705.2  | 710.2  | 695.0  | 654.5  | 541.8  | 392.5  | 264.6  | 145.6 | 83.6 | 64.6 |
| 35°   | 803.9  | 877.3  | 876.1  | 878.6  | 797.6  | 667.2  | 474.7  | 284.8  | 155.7 | 83.6 | 64.6 |
| 37.5° | 1050.8 | 1091.3 | 1086.2 | 1085.0 | 995.1  | 815.3  | 559.6  | 344.3  | 167.1 | 83.6 | 63.3 |
| 40°   | 1288.8 | 1338.1 | 1336.9 | 1323.0 | 1228.0 | 992.5  | 702.6  | 392.5  | 178.5 | 86.1 | 59.5 |
| 42.5° | 1519.2 | 1542.0 | 1580.0 | 1585.0 | 1423.0 | 1196.4 | 848.2  | 458.3  | 191.2 | 88.6 | 57.0 |
| 45°   | 1759.7 | 1734.4 | 1806.6 | 1801.5 | 1652.1 | 1412.8 | 972.3  | 535.5  | 211.4 | 86.1 | 53.2 |
| 47.5° | 2002.8 | 1997.7 | 2059.8 | 2014.2 | 1902.8 | 1671.1 | 1149.5 | 617.8  | 224.1 | 82.3 | 49.4 |
| 50°   | 2218.0 | 2258.5 | 2263.6 | 2196.5 | 2139.5 | 1924.3 | 1383.7 | 727.9  | 249.4 | 76.0 | 46.8 |
| 52.5° | 2406.6 | 2472.5 | 2406.6 | 2392.7 | 2390.2 | 2125.6 | 1581.2 | 826.7  | 273.5 | 69.6 | 43.0 |
| 55°   | 2642.1 | 2690.2 | 2654.8 | 2659.8 | 2685.2 | 2467.4 | 1824.3 | 1009.0 | 315.2 | 63.3 | 39.2 |
| 57.5° | 2943.4 | 3039.6 | 3019.4 | 3108.0 | 3113.1 | 2951.0 | 2169.9 | 1216.6 | 364.6 | 58.2 | 35.4 |
| 60°   | 3343.5 | 3580.2 | 3695.4 | 3794.2 | 3680.2 | 3477.7 | 2553.5 | 1388.8 | 403.8 | 53.2 | 31.6 |
| 62.5° | 3803.0 | 4192.9 | 4398.0 | 4509.4 | 4195.5 | 3762.5 | 2709.2 | 1462.2 | 412.7 | 46.8 | 27.9 |
| 65°   | 4066.3 | 4553.8 | 4827.2 | 4834.8 | 4534.8 | 3848.6 | 2732.0 | 1459.7 | 403.8 | 40.5 | 24.1 |
| 66°   | 4090.4 | 4600.6 | 4870.2 | 4847.5 | 4595.5 | 3858.7 | 2716.8 | 1436.9 | 395.0 | 38.0 | 22.8 |
| 67.5° | 4003.0 | 4513.2 | 4780.4 | 4737.3 | 4558.8 | 3801.8 | 2616.8 | 1378.7 | 377.3 | 34.2 | 21.5 |
| 70°   | 3547.3 | 4005.6 | 4276.5 | 4218.3 | 4230.9 | 3466.3 | 2196.5 | 1176.1 | 329.2 | 27.9 | 19.0 |
| 72.5° | 2796.6 | 3311.8 | 3430.8 | 3387.8 | 3465.0 | 2563.6 | 1552.1 | 825.4  | 245.6 | 22.8 | 16.5 |
| 75°   | 1876.2 | 2391.4 | 2473.7 | 2439.6 | 2196.5 | 1291.3 | 616.5  | 348.1  | 127.9 | 19.0 | 13.9 |
| 77.5° | 1130.5 | 1506.5 | 1485.0 | 1488.8 | 1176.1 | 524.1  | 116.5  | 81.0   | 43.0  | 15.2 | 10.1 |
| 80°   | 826.7  | 1045.7 | 1088.7 | 1115.3 | 922.9  | 343.1  | 64.6   | 48.1   | 25.3  | 11.4 | 7.6  |
| 82.5° | 671.0  | 936.8  | 1041.9 | 1052.0 | 835.6  | 272.2  | 49.4   | 38.0   | 19.0  | 8.9  | 5.1  |
| 85°   | 183.6  | 478.5  | 591.2  | 560.8  | 355.7  | 92.4   | 35.4   | 25.3   | 12.7  | 6.3  | 5.1  |
| 87.5° | 43.0   | 108.9  | 138.0  | 141.8  | 101.3  | 34.2   | 30.4   | 24.1   | 8.9   | 5.1  | 5.1  |
| 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°    | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| 2.5°  | 35.4 | 34.2 | 32.9 | 31.6 | 31.6 | 30.4 | 30.4 | 30.4 | 29.1 | 30.4 | 30.4 |
| 5°    | 30.4 | 29.1 | 27.9 | 26.6 | 25.3 | 25.3 | 25.3 | 26.6 | 27.9 | 27.9 | 27.9 |
| 7.5°  | 29.1 | 26.6 | 25.3 | 25.3 | 25.3 | 17.7 | 12.7 | 11.4 | 11.4 | 11.4 | 12.7 |
| 10°   | 30.4 | 26.6 | 27.9 | 15.2 | 10.1 | 10.1 | 10.1 | 10.1 | 10.1 | 13.9 | 16.5 |
| 12.5° | 31.6 | 29.1 | 16.5 | 15.2 | 13.9 | 12.7 | 15.2 | 13.9 | 13.9 | 15.2 | 15.2 |
| 15°   | 36.7 | 22.8 | 17.7 | 15.2 | 17.7 | 19.0 | 17.7 | 16.5 | 13.9 | 13.9 | 16.5 |
| 17.5° | 30.4 | 22.8 | 20.3 | 22.8 | 22.8 | 19.0 | 16.5 | 19.0 | 19.0 | 17.7 | 16.5 |
| 20°   | 36.7 | 31.6 | 27.9 | 24.1 | 21.5 | 20.3 | 21.5 | 19.0 | 17.7 | 17.7 | 19.0 |
| 22.5° | 39.2 | 34.2 | 35.4 | 31.6 | 29.1 | 22.8 | 21.5 | 19.0 | 20.3 | 19.0 | 19.0 |
| 25°   | 48.1 | 48.1 | 41.8 | 32.9 | 30.4 | 26.6 | 25.3 | 20.3 | 20.3 | 17.7 | 19.0 |
| 27.5° | 51.9 | 46.8 | 41.8 | 38.0 | 34.2 | 26.6 | 25.3 | 21.5 | 19.0 | 19.0 | 16.5 |
| 30°   | 54.4 | 48.1 | 43.0 | 38.0 | 32.9 | 29.1 | 25.3 | 21.5 | 19.0 | 17.7 | 17.7 |
| 32.5° | 58.2 | 50.6 | 41.8 | 35.4 | 31.6 | 26.6 | 25.3 | 20.3 | 17.7 | 15.2 | 15.2 |
| 35°   | 54.4 | 46.8 | 40.5 | 35.4 | 29.1 | 25.3 | 22.8 | 19.0 | 15.2 | 15.2 | 13.9 |
| 37.5° | 50.6 | 43.0 | 36.7 | 32.9 | 27.9 | 22.8 | 20.3 | 16.5 | 13.9 | 12.7 | 12.7 |
| 40°   | 48.1 | 40.5 | 34.2 | 29.1 | 24.1 | 20.3 | 17.7 | 13.9 | 11.4 | 10.1 | 10.1 |
| 42.5° | 44.3 | 36.7 | 30.4 | 25.3 | 21.5 | 17.7 | 15.2 | 11.4 | 8.9  | 7.6  | 7.6  |
| 45°   | 41.8 | 34.2 | 27.9 | 22.8 | 17.7 | 15.2 | 11.4 | 8.9  | 6.3  | 5.1  | 5.1  |
| 47.5° | 39.2 | 31.6 | 24.1 | 19.0 | 15.2 | 12.7 | 8.9  | 6.3  | 3.8  | 3.8  | 2.5  |
| 50°   | 35.4 | 27.9 | 21.5 | 16.5 | 12.7 | 10.1 | 6.3  | 3.8  | 2.5  | 1.3  | 1.3  |
| 52.5° | 32.9 | 24.1 | 19.0 | 13.9 | 10.1 | 7.6  | 5.1  | 2.5  | 1.3  | 1.3  | 1.3  |
| 55°   | 29.1 | 21.5 | 16.5 | 11.4 | 8.9  | 5.1  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  |
| 57.5° | 25.3 | 17.7 | 13.9 | 10.1 | 6.3  | 3.8  | 2.5  | 1.3  | 1.3  | 1.3  | 0.0  |
| 60°   | 21.5 | 15.2 | 11.4 | 7.6  | 5.1  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 0.0  |
| 62.5° | 19.0 | 12.7 | 8.9  | 6.3  | 3.8  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 0.0  |
| 65°   | 16.5 | 10.1 | 7.6  | 5.1  | 2.5  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 0.0  |
| 66°   | 15.2 | 10.1 | 6.3  | 3.8  | 2.5  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 0.0  |
| 67.5° | 13.9 | 8.9  | 6.3  | 3.8  | 2.5  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 70°   | 12.7 | 7.6  | 5.1  | 3.8  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 72.5° | 11.4 | 6.3  | 3.8  | 3.8  | 2.5  | 2.5  | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 75°   | 7.6  | 3.8  | 3.8  | 2.5  | 2.5  | 2.5  | 1.3  | 2.5  | 2.5  | 2.5  | 2.5  |
| 77.5° | 5.1  | 3.8  | 2.5  | 2.5  | 2.5  | 2.5  | 1.3  | 2.5  | 2.5  | 2.5  | 2.5  |
| 80°   | 5.1  | 3.8  | 3.8  | 3.8  | 3.8  | 3.8  | 1.3  | 3.8  | 3.8  | 3.8  | 2.5  |
| 82.5° | 3.8  | 3.8  | 3.8  | 3.8  | 5.1  | 5.1  | 1.3  | 5.1  | 5.1  | 3.8  | 3.8  |
| 85°   | 3.8  | 3.8  | 3.8  | 5.1  | 5.1  | 6.3  | 1.3  | 5.1  | 5.1  | 5.1  | 5.1  |
| 87.5° | 3.8  | 5.1  | 5.1  | 5.1  | 6.3  | 6.3  | 2.5  | 6.3  | 6.3  | 6.3  | 5.1  |
| 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: P179278

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**CANDELA DISTRIBUTION (continued):**

|       | 160° | 165° | 170° | 175° | 180° |
|-------|------|------|------|------|------|
| 0°    | 46.8 | 46.8 | 46.8 | 46.8 | 46.8 |
| 2.5°  | 30.4 | 31.6 | 31.6 | 32.9 | 32.9 |
| 5°    | 25.3 | 25.3 | 22.8 | 22.8 | 21.5 |
| 7.5°  | 12.7 | 12.7 | 13.9 | 13.9 | 13.9 |
| 10°   | 17.7 | 19.0 | 19.0 | 19.0 | 20.3 |
| 12.5° | 15.2 | 16.5 | 17.7 | 17.7 | 17.7 |
| 15°   | 17.7 | 19.0 | 20.3 | 20.3 | 20.3 |
| 17.5° | 16.5 | 16.5 | 17.7 | 17.7 | 19.0 |
| 20°   | 19.0 | 19.0 | 19.0 | 19.0 | 19.0 |
| 22.5° | 16.5 | 16.5 | 19.0 | 20.3 | 20.3 |
| 25°   | 19.0 | 17.7 | 17.7 | 19.0 | 17.7 |
| 27.5° | 16.5 | 17.7 | 19.0 | 19.0 | 19.0 |
| 30°   | 16.5 | 16.5 | 16.5 | 16.5 | 17.7 |
| 32.5° | 16.5 | 16.5 | 16.5 | 16.5 | 16.5 |
| 35°   | 13.9 | 15.2 | 15.2 | 16.5 | 16.5 |
| 37.5° | 12.7 | 12.7 | 13.9 | 13.9 | 13.9 |
| 40°   | 10.1 | 10.1 | 10.1 | 11.4 | 11.4 |
| 42.5° | 7.6  | 7.6  | 7.6  | 8.9  | 7.6  |
| 45°   | 5.1  | 5.1  | 5.1  | 5.1  | 5.1  |
| 47.5° | 2.5  | 2.5  | 3.8  | 3.8  | 3.8  |
| 50°   | 1.3  | 1.3  | 2.5  | 2.5  | 2.5  |
| 52.5° | 1.3  | 1.3  | 1.3  | 2.5  | 2.5  |
| 55°   | 1.3  | 1.3  | 1.3  | 1.3  | 2.5  |
| 57.5° | 0.0  | 1.3  | 1.3  | 1.3  | 1.3  |
| 60°   | 0.0  | 1.3  | 1.3  | 1.3  | 1.3  |
| 62.5° | 0.0  | 1.3  | 1.3  | 1.3  | 1.3  |
| 65°   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 66°   | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 67.5° | 1.3  | 1.3  | 1.3  | 1.3  | 1.3  |
| 70°   | 1.3  | 1.3  | 1.3  | 1.3  | 2.5  |
| 72.5° | 1.3  | 1.3  | 2.5  | 1.3  | 2.5  |
| 75°   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 77.5° | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  |
| 80°   | 2.5  | 3.8  | 3.8  | 2.5  | 2.5  |
| 82.5° | 3.8  | 3.8  | 3.8  | 3.8  | 2.5  |
| 85°   | 3.8  | 3.8  | 5.1  | 5.1  | 2.5  |
| 87.5° | 5.1  | 5.1  | 5.1  | 5.1  | 2.5  |
| 90°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |

(END OF REPORT)