

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: P163981

Luminaire Tested: **OVF-F06-LED-E-U-SL4-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P163981  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVF-F06-LED-E-U-SL4-HSS-7030  
Description: OVF LED ROADWAY LARGE CUTOFF COBRAHEAD LUMINAIRE  
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD  
Light Source: (42) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

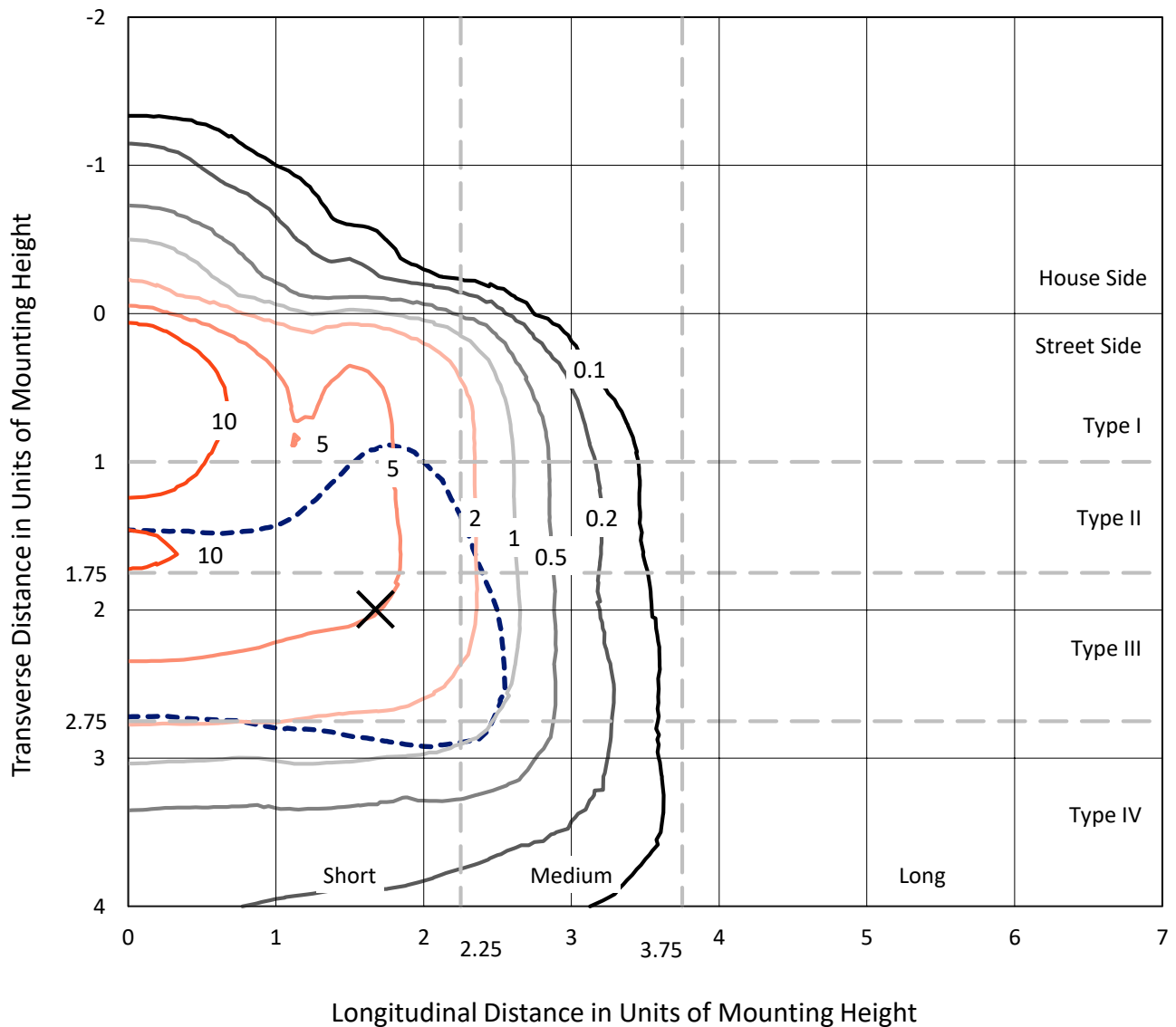
Lumens per Lamp: N/A  
Luminaire Lumens: 8929.1 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1' x L: 1' x H: 0.1')  
IES Classification: Type IV - Short - Semi-Cutoff  
BUG Rating: B0 - U0 - G2  
  
Input Watts (W): 156.5  
Input Voltage (V): NR  
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

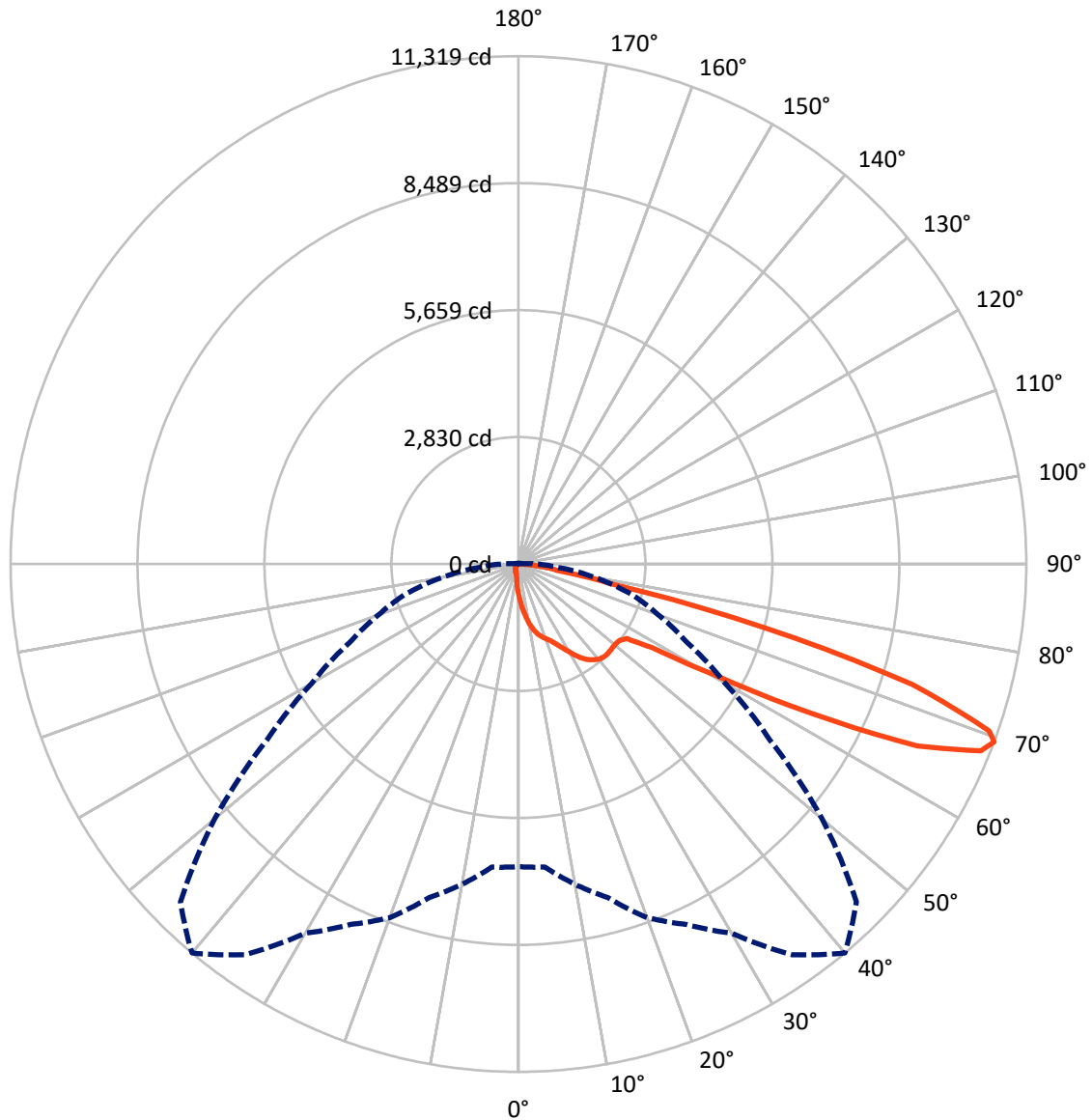
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20 fc  
 Type IV - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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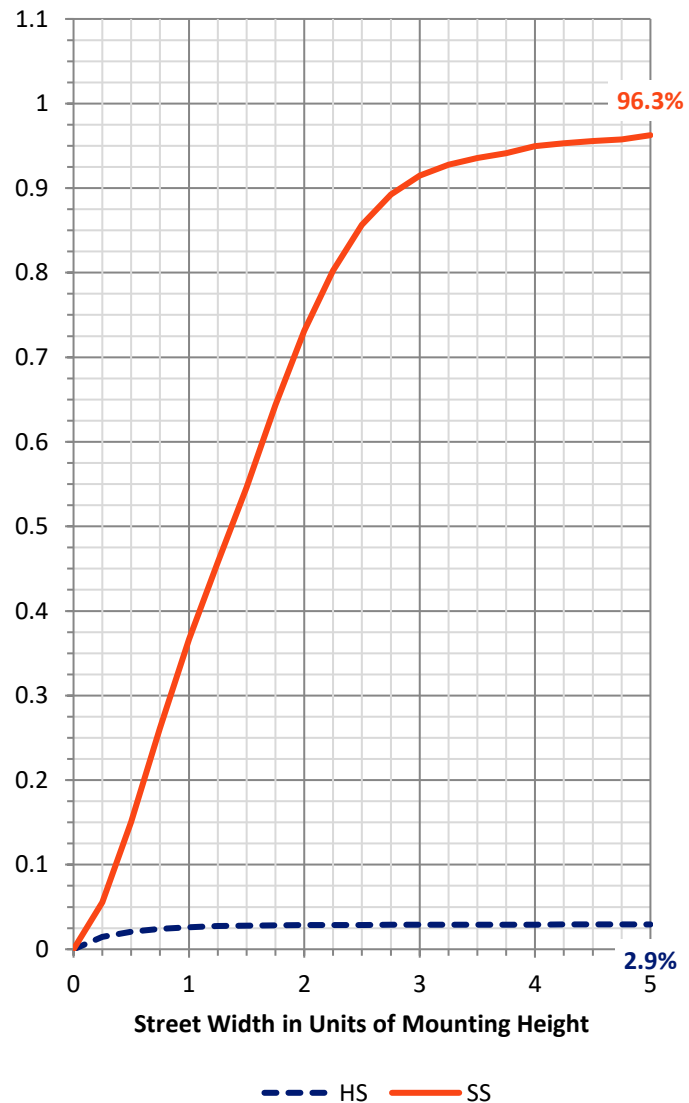
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 265.9    | 0.0    | 265.9  |
|                    | % Fixture | 3.0      | 0.0    | 3.0    |
| <b>Street Side</b> | Lumens    | 8663.2   | 0.0    | 8663.2 |
|                    | % Fixture | 97.0     | 0.0    | 97.0   |
| <b>Total</b>       | Lumens    | 8929.1   | 0.0    | 8929.1 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.3   | 0.8       |
| 10°-20°   | 239.0  | 2.7       |
| 20°-30°   | 457.4  | 5.1       |
| 30°-40°   | 760.6  | 8.5       |
| 40°-50°   | 1029.2 | 11.5      |
| 50°-60°   | 1609.6 | 18.0      |
| 60°-70°   | 3309.3 | 37.1      |
| 70°-80°   | 1331.6 | 14.9      |
| 80°-90°   | 123.2  | 1.4       |
| 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°    | 8929.1 | 100.0     |
| 0°-180°   | 8929.1 | 100.0     |

**Coefficient of Utilization**



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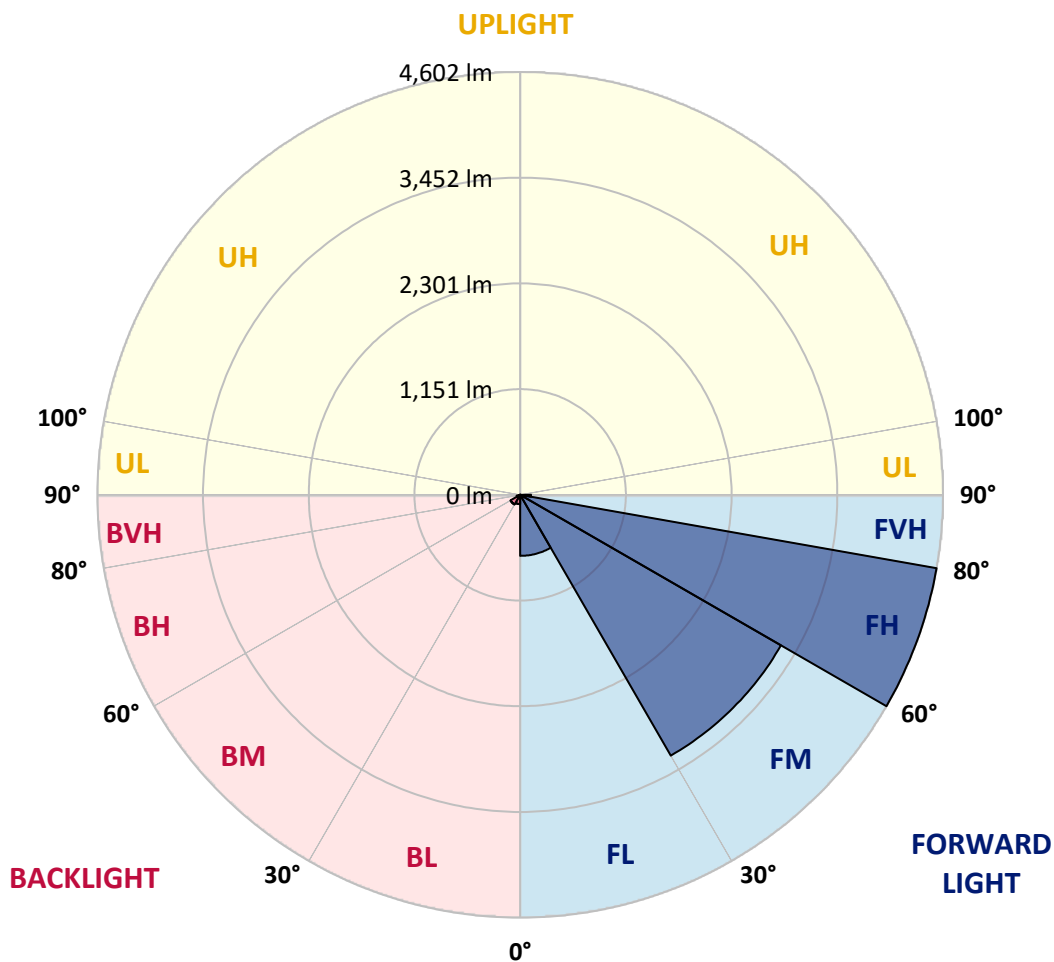
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 664.5  | 7.4       |                         |      |         |
| FM   | (30°-60°)   | 3278.0 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 4602.1 | 51.5      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 118.6  | 1.3       |                         |      | G2/225  |
| BL   | (0°-30°)    | 101.1  | 1.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 121.4  | 1.4       | B0/220                  |      |         |
| BH   | (60°-80°)   | 38.8   | 0.4       | B0/110                  |      | G0/110  |
| BVH  | (80°-90°)   | 4.6    | 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 IV Short





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CATALOG NUMBER: OVF-F06-LED-E-U-SL4-HSS-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°     | 40°     | 45°     | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|
| 0°    | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3   | 674.3   | 674.3   | 674.3  |
| 2.5°  | 899.5  | 889.3  | 877.6  | 877.6  | 863.0  | 863.0  | 854.2  | 830.9   | 827.9   | 814.8   | 801.6  |
| 5°    | 1148.3 | 1139.5 | 1124.8 | 1111.7 | 1100.0 | 1079.5 | 1064.8 | 1037.1  | 1006.4  | 977.1   | 950.8  |
| 7.5°  | 1391.0 | 1386.7 | 1360.4 | 1355.9 | 1336.9 | 1303.3 | 1274.0 | 1233.1  | 1180.4  | 1139.5  | 1091.2 |
| 10°   | 1616.3 | 1606.1 | 1600.2 | 1575.3 | 1547.6 | 1511.0 | 1465.7 | 1415.9  | 1354.5  | 1290.1  | 1221.4 |
| 12.5° | 1794.7 | 1789.0 | 1762.6 | 1752.3 | 1723.1 | 1686.5 | 1629.4 | 1565.1  | 1503.7  | 1420.3  | 1339.9 |
| 15°   | 1927.8 | 1917.6 | 1900.1 | 1884.0 | 1848.9 | 1816.7 | 1764.1 | 1693.9  | 1619.2  | 1528.6  | 1432.0 |
| 17.5° | 2039.0 | 2020.0 | 2015.6 | 1990.8 | 1954.2 | 1916.2 | 1857.6 | 1793.3  | 1705.5  | 1614.9  | 1509.6 |
| 20°   | 2188.2 | 2161.9 | 2153.1 | 2116.6 | 2074.1 | 2021.5 | 1954.2 | 1873.7  | 1781.6  | 1682.1  | 1573.9 |
| 22.5° | 2363.8 | 2344.8 | 2325.8 | 2293.6 | 2239.5 | 2164.8 | 2066.8 | 1979.1  | 1862.1  | 1752.3  | 1635.3 |
| 25°   | 2612.4 | 2596.4 | 2565.6 | 2521.7 | 2454.4 | 2365.2 | 2246.8 | 2118.0  | 1980.5  | 1840.1  | 1702.6 |
| 27.5° | 2853.8 | 2839.1 | 2817.3 | 2783.6 | 2707.5 | 2609.5 | 2463.2 | 2299.4  | 2125.4  | 1955.7  | 1803.5 |
| 30°   | 3080.5 | 3067.3 | 3045.4 | 3011.8 | 2944.5 | 2847.9 | 2682.6 | 2507.1  | 2290.7  | 2093.1  | 1910.3 |
| 32.5° | 3324.7 | 3320.4 | 3295.5 | 3247.3 | 3188.8 | 3058.6 | 2878.7 | 2689.9  | 2470.5  | 2242.3  | 2028.8 |
| 35°   | 3601.3 | 3567.6 | 3544.2 | 3495.9 | 3396.5 | 3257.5 | 3046.9 | 2840.6  | 2609.5  | 2375.4  | 2137.0 |
| 37.5° | 3835.3 | 3803.1 | 3773.9 | 3712.5 | 3591.0 | 3414.1 | 3175.5 | 2948.9  | 2710.5  | 2472.0  | 2229.2 |
| 40°   | 4006.4 | 3990.3 | 3955.2 | 3874.8 | 3738.8 | 3528.1 | 3270.6 | 3023.5  | 2783.6  | 2543.7  | 2303.8 |
| 42.5° | 4133.7 | 4108.8 | 4069.3 | 3986.0 | 3825.0 | 3585.1 | 3308.7 | 3054.2  | 2817.3  | 2587.6  | 2352.1 |
| 45°   | 4180.5 | 4160.1 | 4123.4 | 4032.7 | 3858.7 | 3601.3 | 3307.2 | 3045.4  | 2818.7  | 2600.7  | 2384.2 |
| 47.5° | 4152.7 | 4132.2 | 4100.1 | 4015.2 | 3844.1 | 3582.3 | 3280.9 | 3020.6  | 2804.0  | 2605.2  | 2413.5 |
| 50°   | 4060.5 | 4048.9 | 4024.0 | 3952.3 | 3798.7 | 3545.7 | 3257.5 | 3007.3  | 2801.1  | 2627.1  | 2454.4 |
| 52.5° | 4051.7 | 4044.4 | 4013.7 | 3942.1 | 3785.6 | 3533.9 | 3254.5 | 3014.7  | 2826.0  | 2654.8  | 2483.7 |
| 55°   | 4951.4 | 4847.5 | 4614.9 | 4417.5 | 4092.7 | 3706.6 | 3402.3 | 3133.2  | 2931.3  | 2764.6  | 2644.6 |
| 57.5° | 7037.2 | 6882.1 | 6576.5 | 6200.5 | 5454.5 | 4721.7 | 4135.2 | 3710.9  | 3501.8  | 3425.7  | 3471.1 |
| 60°   | 8014.3 | 7986.5 | 7938.3 | 7759.8 | 7378.0 | 6747.6 | 6045.5 | 5286.3  | 4982.1  | 4955.7  | 5047.9 |
| 62.5° | 8478.0 | 8460.4 | 8475.1 | 8453.1 | 8334.7 | 8150.4 | 7948.5 | 7620.8  | 7319.5  | 7125.0  | 6712.5 |
| 65°   | 8691.5 | 8703.3 | 8786.6 | 8852.5 | 8867.1 | 8915.4 | 9063.1 | 9471.2  | 9769.6  | 9267.9  | 8122.6 |
| 67.5° | 8148.9 | 8217.6 | 8409.2 | 8649.2 | 8929.9 | 9202.0 | 9640.8 | 10500.9 | 11113.8 | 10524.4 | 8897.8 |
| 69°   | 6746.1 | 6779.8 | 7247.8 | 7699.8 | 8385.9 | 8865.6 | 9501.9 | 10629.7 | 11318.6 | 10653.1 | 8836.4 |
| 70°   | 5311.2 | 5341.9 | 5843.6 | 6458.0 | 7617.9 | 8235.1 | 9067.5 | 10411.7 | 11127.0 | 10481.9 | 8520.4 |
| 72.5° | 2396.0 | 2352.1 | 2529.1 | 2858.1 | 4119.1 | 5099.0 | 6554.5 | 8435.6  | 9180.1  | 8397.6  | 6374.6 |
| 75°   | 1673.3 | 1654.3 | 1673.3 | 1674.9 | 1870.8 | 2413.5 | 3045.4 | 4572.5  | 5655.0  | 4879.6  | 3045.4 |
| 77.5° | 1296.0 | 1282.8 | 1269.7 | 1255.0 | 1278.5 | 1432.0 | 1493.4 | 1622.2  | 2106.4  | 1992.3  | 1161.4 |
| 80°   | 1025.4 | 1013.6 | 1045.8 | 1035.6 | 1035.6 | 1053.2 | 1041.5 | 993.2   | 902.5   | 836.7   | 748.9  |
| 82.5° | 476.8  | 479.8  | 479.8  | 520.7  | 627.5  | 732.8  | 766.4  | 718.2   | 637.8   | 542.7   | 437.4  |
| 85°   | 45.3   | 51.2   | 86.3   | 133.1  | 264.7  | 298.4  | 299.8  | 248.6   | 248.6   | 196.0   | 158.0  |
| 87.5° | 0.0    | 1.4    | 1.4    | 1.4    | 13.1   | 36.6   | 30.7   | 8.8     | 4.3     | 4.3     | 7.3    |
| 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°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°   | 95°   | 100°  | 105°  |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0°    | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3  | 674.3 | 674.3 | 674.3 | 674.3 |
| 2.5°  | 778.2  | 773.8  | 756.2  | 738.7  | 722.6  | 705.0  | 688.9  | 672.9 | 655.3 | 642.1 | 626.0 |
| 5°    | 909.9  | 877.6  | 841.1  | 806.0  | 770.9  | 734.3  | 696.2  | 662.6 | 627.5 | 595.4 | 564.6 |
| 7.5°  | 1043.0 | 980.1  | 930.3  | 867.4  | 810.3  | 753.3  | 700.7  | 646.6 | 596.8 | 550.0 | 506.1 |
| 10°   | 1155.6 | 1079.5 | 1002.0 | 921.5  | 839.6  | 763.6  | 690.4  | 626.0 | 560.2 | 503.2 | 449.0 |
| 12.5° | 1247.7 | 1151.2 | 1056.1 | 955.2  | 863.0  | 766.4  | 675.8  | 598.2 | 520.7 | 456.4 | 400.8 |
| 15°   | 1331.1 | 1219.9 | 1105.8 | 988.8  | 871.8  | 762.1  | 661.1  | 564.6 | 485.6 | 412.5 | 349.6 |
| 17.5° | 1398.4 | 1271.1 | 1142.4 | 1010.7 | 885.0  | 756.2  | 642.1  | 541.2 | 449.0 | 373.0 | 311.5 |
| 20°   | 1456.9 | 1323.8 | 1184.8 | 1037.1 | 893.8  | 754.8  | 626.0  | 511.9 | 416.8 | 336.4 | 276.4 |
| 22.5° | 1511.0 | 1377.9 | 1228.7 | 1070.7 | 906.9  | 753.3  | 611.5  | 490.0 | 389.1 | 308.6 | 248.6 |
| 25°   | 1572.4 | 1432.0 | 1275.5 | 1105.8 | 930.3  | 759.1  | 602.7  | 472.5 | 364.2 | 282.3 | 226.7 |
| 27.5° | 1641.2 | 1493.4 | 1331.1 | 1149.7 | 961.0  | 770.9  | 599.7  | 453.5 | 342.3 | 257.4 | 209.2 |
| 30°   | 1737.7 | 1566.6 | 1386.7 | 1193.6 | 988.8  | 784.0  | 596.8  | 441.7 | 320.3 | 238.4 | 191.6 |
| 32.5° | 1822.5 | 1638.2 | 1448.1 | 1238.9 | 1019.5 | 797.2  | 595.4  | 425.6 | 299.8 | 219.4 | 178.4 |
| 35°   | 1911.8 | 1704.1 | 1500.8 | 1282.8 | 1045.8 | 811.8  | 593.9  | 413.9 | 280.8 | 200.4 | 165.3 |
| 37.5° | 1989.3 | 1759.6 | 1541.7 | 1320.8 | 1075.1 | 825.0  | 595.4  | 403.7 | 263.3 | 184.3 | 153.5 |
| 40°   | 2055.1 | 1816.7 | 1587.1 | 1355.9 | 1105.8 | 845.4  | 596.8  | 393.5 | 245.7 | 169.6 | 143.3 |
| 42.5° | 2113.7 | 1870.8 | 1635.3 | 1395.5 | 1140.9 | 868.9  | 605.6  | 384.7 | 231.1 | 156.5 | 133.1 |
| 45°   | 2159.0 | 1920.6 | 1688.0 | 1451.0 | 1197.9 | 906.9  | 621.7  | 378.8 | 216.5 | 144.8 | 124.3 |
| 47.5° | 2205.8 | 1993.7 | 1777.2 | 1538.8 | 1281.4 | 966.9  | 649.5  | 377.4 | 204.8 | 136.0 | 117.0 |
| 50°   | 2270.1 | 2066.8 | 1856.2 | 1628.0 | 1357.5 | 1028.3 | 683.1  | 378.8 | 190.2 | 127.2 | 109.7 |
| 52.5° | 2317.0 | 2141.5 | 1958.6 | 1783.1 | 1538.8 | 1215.5 | 813.3  | 405.2 | 182.9 | 120.0 | 100.9 |
| 55°   | 2593.4 | 2562.7 | 2567.1 | 2596.4 | 2407.7 | 2068.3 | 1360.4 | 585.1 | 215.0 | 136.0 | 99.4  |
| 57.5° | 3656.8 | 3765.1 | 3828.0 | 3826.5 | 3514.9 | 2915.2 | 1827.0 | 751.9 | 239.9 | 158.0 | 118.4 |
| 60°   | 5055.2 | 4973.3 | 4857.7 | 4572.5 | 4158.5 | 3327.7 | 2043.5 | 808.9 | 207.7 | 125.8 | 108.2 |
| 62.5° | 6291.2 | 5811.5 | 5385.8 | 4923.5 | 4380.9 | 3471.1 | 2087.4 | 804.5 | 181.4 | 95.1  | 76.1  |
| 65°   | 7062.1 | 6199.1 | 5511.5 | 4932.3 | 4293.1 | 3351.1 | 1974.7 | 738.7 | 153.5 | 77.5  | 62.9  |
| 67.5° | 7246.4 | 5989.9 | 5017.2 | 4278.5 | 3586.6 | 2608.1 | 1449.6 | 555.8 | 120.0 | 64.3  | 55.6  |
| 69°   | 6844.1 | 5324.3 | 4157.1 | 3319.0 | 2609.5 | 1730.4 | 896.6  | 351.1 | 92.1  | 58.5  | 51.2  |
| 70°   | 6295.6 | 4631.0 | 3386.2 | 2663.6 | 1932.3 | 1215.5 | 627.5  | 247.2 | 74.6  | 54.1  | 46.8  |
| 72.5° | 4050.3 | 2432.5 | 1664.5 | 1158.5 | 797.2  | 484.2  | 245.7  | 111.2 | 57.0  | 45.3  | 38.0  |
| 75°   | 1571.0 | 899.5  | 652.4  | 495.8  | 387.6  | 269.2  | 149.2  | 71.7  | 48.2  | 38.0  | 29.2  |
| 77.5° | 773.8  | 592.4  | 484.2  | 332.1  | 193.1  | 120.0  | 80.4   | 55.6  | 39.4  | 27.8  | 19.0  |
| 80°   | 611.5  | 406.6  | 242.8  | 150.6  | 114.1  | 86.3   | 61.4   | 45.3  | 29.2  | 17.6  | 13.1  |
| 82.5° | 313.1  | 171.1  | 125.8  | 102.4  | 84.9   | 67.3   | 49.8   | 32.2  | 19.0  | 11.7  | 10.2  |
| 85°   | 98.0   | 71.7   | 64.3   | 62.9   | 58.5   | 48.2   | 35.1   | 20.4  | 11.7  | 7.3   | 7.3   |
| 87.5° | 7.3    | 10.2   | 13.1   | 10.2   | 11.7   | 10.2   | 13.1   | 8.8   | 5.9   | 5.9   | 4.3   |
| 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):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 | 674.3 |
| 2.5°  | 614.4 | 596.8 | 580.7 | 570.5 | 551.5 | 544.1 | 536.8 | 533.9 | 520.7 | 523.7 | 511.9 |
| 5°    | 536.8 | 506.1 | 482.7 | 459.3 | 437.4 | 421.3 | 408.1 | 392.0 | 378.8 | 373.0 | 361.3 |
| 7.5°  | 466.6 | 427.2 | 396.4 | 371.5 | 345.2 | 324.7 | 307.2 | 295.5 | 283.7 | 272.1 | 266.2 |
| 10°   | 405.2 | 362.7 | 327.6 | 302.7 | 278.0 | 260.4 | 247.2 | 238.4 | 231.1 | 226.7 | 225.3 |
| 12.5° | 348.2 | 307.2 | 275.0 | 253.1 | 234.1 | 225.3 | 219.4 | 215.0 | 213.5 | 212.1 | 212.1 |
| 15°   | 304.3 | 263.3 | 238.4 | 222.3 | 213.5 | 209.2 | 207.7 | 204.8 | 201.9 | 200.4 | 200.4 |
| 17.5° | 263.3 | 232.5 | 215.0 | 206.2 | 201.9 | 199.0 | 196.0 | 193.1 | 190.2 | 188.6 | 188.6 |
| 20°   | 235.5 | 210.6 | 201.9 | 196.0 | 191.6 | 188.6 | 184.3 | 181.4 | 179.9 | 178.4 | 177.0 |
| 22.5° | 213.5 | 197.4 | 191.6 | 187.2 | 181.4 | 177.0 | 174.1 | 171.1 | 168.2 | 166.8 | 165.3 |
| 25°   | 197.4 | 187.2 | 182.9 | 177.0 | 171.1 | 166.8 | 162.3 | 158.0 | 155.1 | 153.5 | 150.6 |
| 27.5° | 185.8 | 178.4 | 172.6 | 165.3 | 159.4 | 155.1 | 150.6 | 146.3 | 143.3 | 140.4 | 139.0 |
| 30°   | 175.5 | 168.2 | 160.9 | 155.1 | 147.8 | 143.3 | 137.5 | 133.1 | 131.6 | 128.8 | 125.8 |
| 32.5° | 165.3 | 158.0 | 150.6 | 143.3 | 136.0 | 130.2 | 127.2 | 121.4 | 118.4 | 117.0 | 114.1 |
| 35°   | 153.5 | 146.3 | 137.5 | 131.6 | 124.3 | 118.4 | 114.1 | 109.7 | 106.8 | 103.9 | 102.4 |
| 37.5° | 143.3 | 134.5 | 125.8 | 118.4 | 112.6 | 106.8 | 102.4 | 98.0  | 95.1  | 92.1  | 90.7  |
| 40°   | 131.6 | 122.9 | 114.1 | 106.8 | 100.9 | 96.5  | 92.1  | 87.8  | 84.9  | 83.3  | 83.3  |
| 42.5° | 121.4 | 111.2 | 102.4 | 96.5  | 92.1  | 86.3  | 81.9  | 77.5  | 76.1  | 74.6  | 76.1  |
| 45°   | 111.2 | 100.9 | 93.6  | 87.8  | 83.3  | 77.5  | 73.1  | 70.2  | 68.8  | 70.2  | 71.7  |
| 47.5° | 102.4 | 92.1  | 84.9  | 80.4  | 76.1  | 71.7  | 67.3  | 64.3  | 64.3  | 67.3  | 70.2  |
| 50°   | 93.6  | 83.3  | 77.5  | 74.6  | 70.2  | 65.8  | 60.0  | 58.5  | 60.0  | 62.9  | 65.8  |
| 52.5° | 84.9  | 73.1  | 68.8  | 67.3  | 62.9  | 58.5  | 54.1  | 52.7  | 54.1  | 57.0  | 55.6  |
| 55°   | 76.1  | 64.3  | 62.9  | 61.4  | 57.0  | 51.2  | 46.8  | 46.8  | 46.8  | 45.3  | 42.4  |
| 57.5° | 73.1  | 57.0  | 55.6  | 54.1  | 49.8  | 43.9  | 41.0  | 38.0  | 36.6  | 32.2  | 30.7  |
| 60°   | 76.1  | 51.2  | 51.2  | 48.2  | 43.9  | 38.0  | 33.7  | 29.2  | 26.3  | 23.4  | 23.4  |
| 62.5° | 61.4  | 46.8  | 45.3  | 42.4  | 36.6  | 30.7  | 26.3  | 21.9  | 20.4  | 19.0  | 19.0  |
| 65°   | 49.8  | 42.4  | 39.4  | 35.1  | 30.7  | 24.9  | 20.4  | 17.6  | 16.1  | 16.1  | 17.6  |
| 67.5° | 45.3  | 38.0  | 33.7  | 29.2  | 24.9  | 19.0  | 16.1  | 14.7  | 14.7  | 16.1  | 16.1  |
| 69°   | 42.4  | 35.1  | 30.7  | 26.3  | 21.9  | 17.6  | 14.7  | 14.7  | 14.7  | 14.7  | 16.1  |
| 70°   | 39.4  | 33.7  | 29.2  | 24.9  | 19.0  | 14.7  | 13.1  | 13.1  | 14.7  | 14.7  | 16.1  |
| 72.5° | 30.7  | 26.3  | 24.9  | 20.4  | 14.7  | 13.1  | 11.7  | 13.1  | 13.1  | 14.7  | 14.7  |
| 75°   | 23.4  | 19.0  | 19.0  | 16.1  | 11.7  | 10.2  | 10.2  | 11.7  | 11.7  | 13.1  | 13.1  |
| 77.5° | 16.1  | 13.1  | 13.1  | 11.7  | 10.2  | 8.8   | 8.8   | 10.2  | 11.7  | 11.7  | 13.1  |
| 80°   | 11.7  | 10.2  | 8.8   | 10.2  | 8.8   | 7.3   | 8.8   | 10.2  | 10.2  | 11.7  | 11.7  |
| 82.5° | 8.8   | 8.8   | 8.8   | 8.8   | 7.3   | 7.3   | 8.8   | 8.8   | 10.2  | 11.7  | 11.7  |
| 85°   | 7.3   | 7.3   | 7.3   | 7.3   | 7.3   | 7.3   | 7.3   | 8.8   | 8.8   | 10.2  | 10.2  |
| 87.5° | 4.3   | 4.3   | 4.3   | 5.9   | 5.9   | 7.3   | 7.3   | 7.3   | 7.3   | 8.8   | 8.8   |
| 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: P163981

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**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 674.3 | 674.3 | 674.3 | 674.3 |
| 2.5°  | 509.0 | 507.6 | 501.7 | 503.2 |
| 5°    | 356.9 | 348.2 | 354.0 | 352.5 |
| 7.5°  | 261.8 | 260.4 | 258.9 | 261.8 |
| 10°   | 223.8 | 223.8 | 222.3 | 223.8 |
| 12.5° | 210.6 | 210.6 | 210.6 | 210.6 |
| 15°   | 200.4 | 200.4 | 199.0 | 199.0 |
| 17.5° | 188.6 | 188.6 | 188.6 | 187.2 |
| 20°   | 177.0 | 175.5 | 175.5 | 175.5 |
| 22.5° | 163.9 | 162.3 | 162.3 | 162.3 |
| 25°   | 150.6 | 149.2 | 149.2 | 149.2 |
| 27.5° | 137.5 | 136.0 | 134.5 | 134.5 |
| 30°   | 124.3 | 122.9 | 121.4 | 121.4 |
| 32.5° | 111.2 | 109.7 | 108.2 | 108.2 |
| 35°   | 99.4  | 99.4  | 98.0  | 96.5  |
| 37.5° | 89.2  | 89.2  | 89.2  | 89.2  |
| 40°   | 81.9  | 83.3  | 83.3  | 83.3  |
| 42.5° | 77.5  | 79.0  | 80.4  | 81.9  |
| 45°   | 74.6  | 77.5  | 79.0  | 79.0  |
| 47.5° | 73.1  | 74.6  | 76.1  | 76.1  |
| 50°   | 67.3  | 65.8  | 65.8  | 65.8  |
| 52.5° | 54.1  | 51.2  | 49.8  | 48.2  |
| 55°   | 39.4  | 38.0  | 35.1  | 35.1  |
| 57.5° | 27.8  | 27.8  | 26.3  | 26.3  |
| 60°   | 21.9  | 21.9  | 20.4  | 21.9  |
| 62.5° | 19.0  | 19.0  | 19.0  | 19.0  |
| 65°   | 17.6  | 17.6  | 17.6  | 17.6  |
| 67.5° | 17.6  | 17.6  | 17.6  | 17.6  |
| 69°   | 16.1  | 16.1  | 16.1  | 16.1  |
| 70°   | 16.1  | 16.1  | 16.1  | 16.1  |
| 72.5° | 14.7  | 14.7  | 14.7  | 14.7  |
| 75°   | 13.1  | 14.7  | 14.7  | 14.7  |
| 77.5° | 13.1  | 13.1  | 13.1  | 13.1  |
| 80°   | 11.7  | 11.7  | 13.1  | 13.1  |
| 82.5° | 11.7  | 11.7  | 11.7  | 11.7  |
| 85°   | 10.2  | 10.2  | 11.7  | 11.7  |
| 87.5° | 8.8   | 8.8   | 10.2  | 10.2  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)