

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: P146784

Luminaire Tested: **OVH-F03-LED-E-U-T3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P146784  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33695)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: OVH-F03-LED-E-U-T3-7030  
Description: OVH LED ROADWAY SMALL CUTOFF COBRAHEAD LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6753.8 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

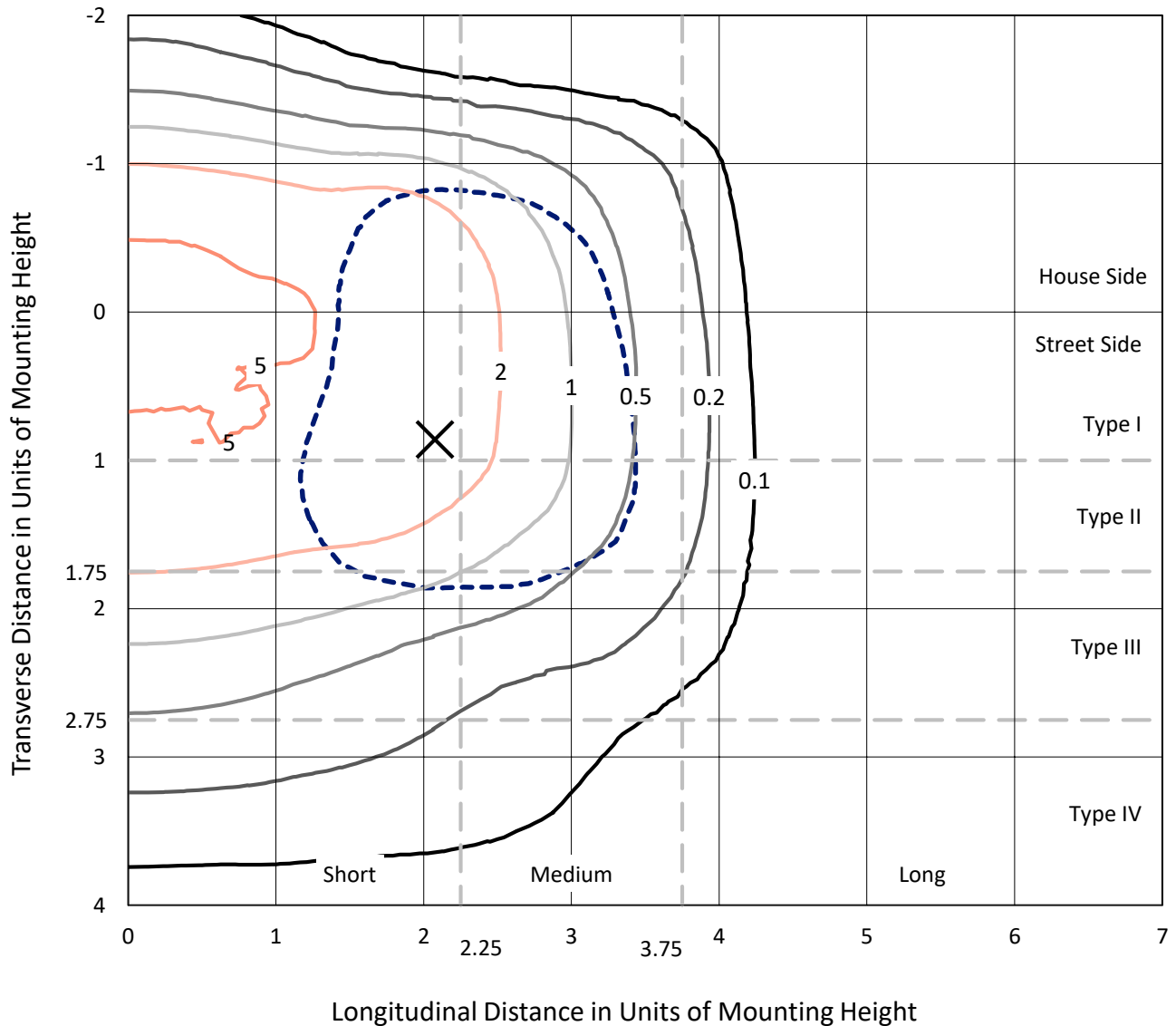


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

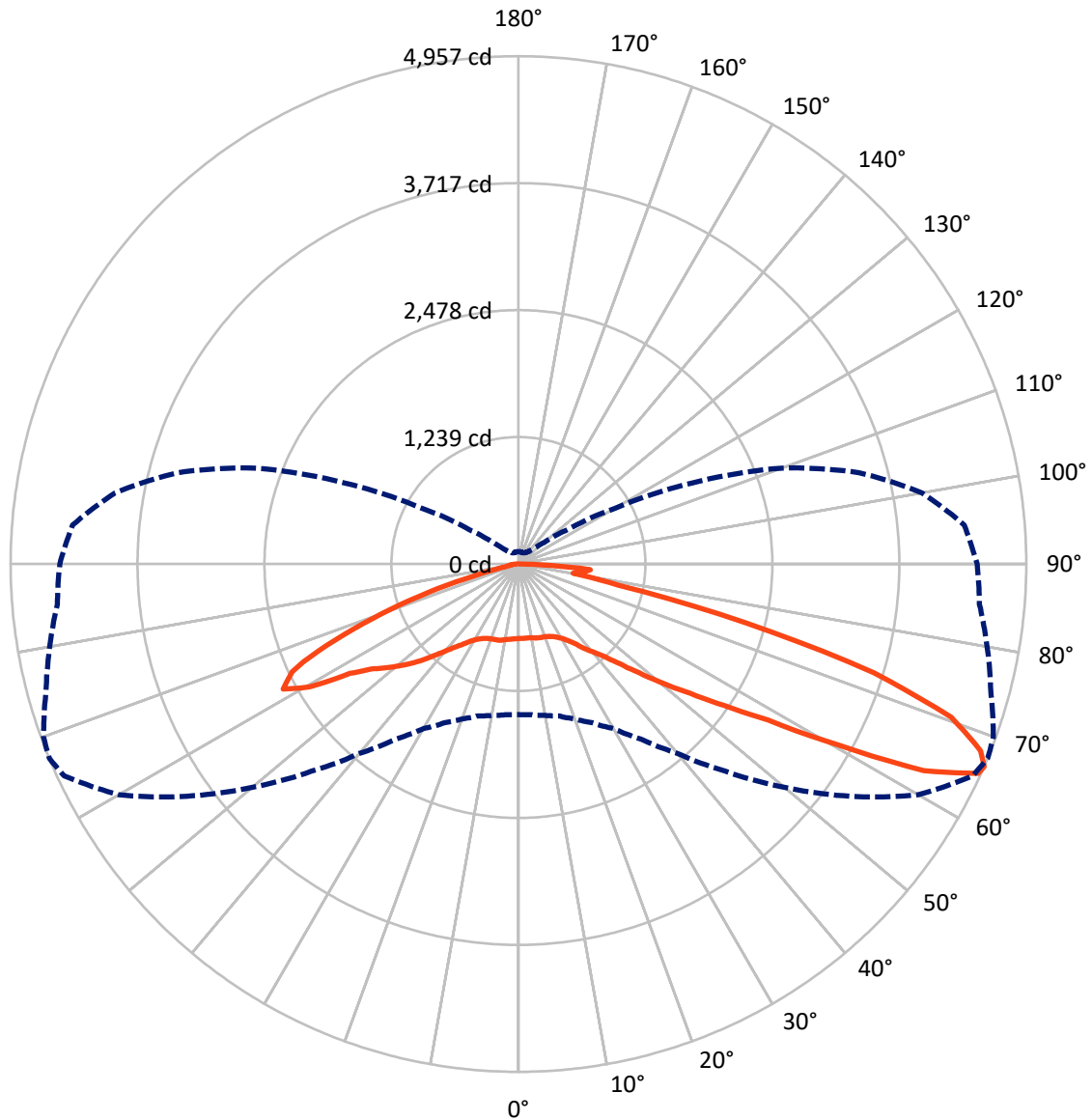


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2294.5   | 0.0    | 2294.5 |
|                    | % Fixture | 34.0     | 0.0    | 34.0   |
| <b>Street Side</b> | Lumens    | 4459.3   | 0.0    | 4459.3 |
|                    | % Fixture | 66.0     | 0.0    | 66.0   |
| <b>Total</b>       | Lumens    | 6753.8   | 0.0    | 6753.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 69.8   | 1.0       |
| 10°-20°   | 206.9  | 3.1       |
| 20°-30°   | 355.7  | 5.3       |
| 30°-40°   | 572.2  | 8.5       |
| 40°-50°   | 943.1  | 14.0      |
| 50°-60°   | 1478.3 | 21.9      |
| 60°-70°   | 2045.8 | 30.3      |
| 70°-80°   | 925.8  | 13.7      |
| 80°-90°   | 156.2  | 2.3       |
| 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°    | 6753.8 | 100.0     |
| 0°-180°   | 6753.8 | 100.0     |

**Coefficient of Utilization**



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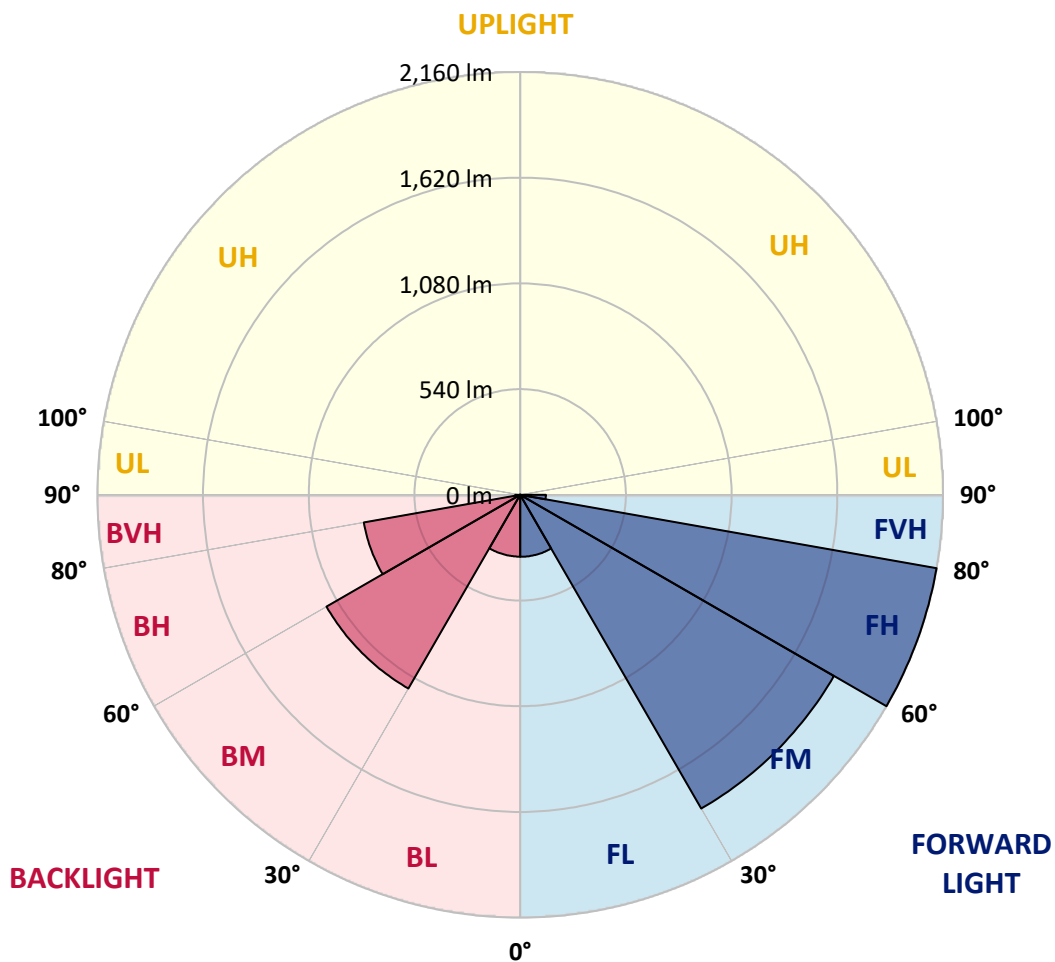
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 316.8  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1850.8 | 27.4      |                         |      |         |
| FH   | (60°-80°)   | 2160.5 | 32.0      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 131.3  | 1.9       |                         |      | G2/225  |
| BL   | (0°-30°)    | 315.7  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1142.7 | 16.9      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 811.1  | 12.0      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 24.9   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  |
| 2.5°  | 726.1  | 725.6  | 725.2  | 725.2  | 724.7  | 725.2  | 725.6  | 726.1  | 725.6  | 726.1  | 725.6  |
| 5°    | 724.7  | 724.7  | 724.3  | 724.3  | 724.3  | 724.3  | 724.7  | 725.2  | 724.7  | 725.6  | 724.7  |
| 7.5°  | 718.9  | 721.6  | 720.7  | 721.6  | 722.5  | 723.4  | 723.8  | 724.7  | 726.1  | 727.0  | 726.1  |
| 10°   | 711.2  | 712.5  | 713.0  | 713.9  | 715.7  | 718.0  | 719.8  | 722.0  | 725.2  | 726.1  | 727.0  |
| 12.5° | 697.1  | 699.0  | 700.3  | 702.1  | 704.8  | 708.5  | 711.6  | 715.2  | 720.7  | 724.3  | 727.5  |
| 15°   | 686.7  | 689.0  | 689.5  | 691.7  | 694.4  | 698.5  | 702.6  | 708.0  | 715.2  | 721.6  | 727.9  |
| 17.5° | 693.5  | 694.4  | 693.5  | 693.5  | 694.4  | 696.2  | 699.4  | 703.9  | 711.6  | 719.3  | 727.0  |
| 20°   | 713.9  | 713.9  | 713.0  | 712.5  | 711.6  | 709.8  | 709.4  | 708.9  | 713.9  | 719.8  | 726.5  |
| 22.5° | 733.3  | 733.3  | 732.9  | 734.7  | 734.2  | 734.2  | 732.9  | 730.6  | 728.4  | 727.5  | 732.0  |
| 25°   | 745.5  | 747.4  | 748.3  | 751.0  | 752.8  | 755.5  | 756.4  | 756.0  | 752.8  | 747.4  | 746.0  |
| 27.5° | 765.5  | 766.8  | 767.7  | 770.9  | 774.5  | 777.7  | 780.8  | 784.9  | 784.9  | 779.9  | 773.1  |
| 30°   | 803.9  | 802.1  | 803.0  | 803.9  | 807.1  | 811.6  | 815.7  | 821.1  | 823.8  | 822.0  | 813.0  |
| 32.5° | 839.6  | 841.5  | 842.4  | 845.1  | 848.2  | 855.0  | 860.0  | 866.3  | 872.2  | 873.1  | 868.6  |
| 35°   | 892.1  | 891.2  | 889.9  | 899.4  | 903.0  | 910.7  | 916.6  | 925.6  | 930.1  | 934.2  | 931.5  |
| 37.5° | 974.9  | 972.2  | 970.4  | 973.1  | 978.1  | 983.1  | 991.7  | 998.4  | 1006.1 | 1015.6 | 1012.5 |
| 40°   | 1092.1 | 1097.5 | 1089.8 | 1093.4 | 1097.5 | 1086.2 | 1093.9 | 1100.2 | 1113.3 | 1113.8 | 1113.3 |
| 42.5° | 1244.5 | 1248.6 | 1246.8 | 1249.1 | 1241.8 | 1238.2 | 1235.0 | 1238.2 | 1254.5 | 1252.2 | 1241.4 |
| 45°   | 1397.0 | 1402.9 | 1401.5 | 1402.4 | 1416.5 | 1410.6 | 1415.5 | 1416.5 | 1433.2 | 1428.7 | 1420.5 |
| 47.5° | 1527.3 | 1537.2 | 1539.5 | 1547.6 | 1566.6 | 1582.0 | 1603.3 | 1619.1 | 1627.3 | 1632.7 | 1639.0 |
| 50°   | 1630.4 | 1637.7 | 1650.3 | 1670.7 | 1698.3 | 1725.0 | 1772.9 | 1804.2 | 1832.7 | 1852.6 | 1872.9 |
| 52.5° | 1698.7 | 1706.9 | 1726.3 | 1757.1 | 1796.9 | 1845.8 | 1901.9 | 1967.0 | 2027.2 | 2062.5 | 2092.8 |
| 55°   | 1726.8 | 1734.9 | 1758.9 | 1799.2 | 1852.1 | 1914.5 | 1995.1 | 2086.9 | 2167.0 | 2248.0 | 2294.6 |
| 57.5° | 1710.5 | 1719.6 | 1747.2 | 1792.4 | 1856.2 | 1938.1 | 2038.0 | 2150.7 | 2267.9 | 2390.5 | 2484.1 |
| 60°   | 1662.6 | 1670.7 | 1701.9 | 1749.0 | 1821.8 | 1914.1 | 2034.0 | 2175.1 | 2339.8 | 2521.7 | 2699.4 |
| 62.5° | 1596.5 | 1608.7 | 1636.3 | 1684.3 | 1756.7 | 1857.5 | 1994.2 | 2177.8 | 2414.0 | 2707.1 | 3053.2 |
| 65°   | 1512.4 | 1521.4 | 1545.8 | 1583.8 | 1663.5 | 1768.9 | 1913.2 | 2138.0 | 2446.6 | 2862.3 | 3356.3 |
| 66°   | 1468.9 | 1477.5 | 1500.1 | 1535.9 | 1608.7 | 1710.1 | 1854.4 | 2084.6 | 2410.4 | 2861.4 | 3388.4 |
| 67.5° | 1392.5 | 1396.5 | 1412.8 | 1448.1 | 1495.6 | 1586.6 | 1720.5 | 1936.3 | 2257.0 | 2740.6 | 3298.9 |
| 70°   | 1168.1 | 1174.0 | 1189.8 | 1207.9 | 1225.5 | 1258.1 | 1351.8 | 1494.3 | 1750.8 | 2214.5 | 2746.9 |
| 72.5° | 808.0  | 817.0  | 834.2  | 867.7  | 895.3  | 936.5  | 973.1  | 1020.6 | 1105.7 | 1427.8 | 1965.2 |
| 75°   | 584.0  | 587.2  | 612.5  | 671.4  | 727.0  | 809.3  | 882.2  | 905.2  | 876.3  | 871.3  | 1154.5 |
| 77.5° | 348.3  | 352.9  | 389.5  | 448.8  | 506.7  | 618.4  | 767.7  | 883.1  | 946.9  | 924.2  | 874.0  |
| 80°   | 146.6  | 152.9  | 174.6  | 190.0  | 238.0  | 331.6  | 479.1  | 660.0  | 828.3  | 931.9  | 908.4  |
| 82.5° | 47.0   | 54.7   | 64.7   | 78.3   | 92.3   | 123.5  | 191.4  | 286.4  | 452.4  | 674.5  | 829.2  |
| 85°   | 17.2   | 17.6   | 24.4   | 33.9   | 37.5   | 43.4   | 55.6   | 86.0   | 152.9  | 252.9  | 470.5  |
| 87.5° | 6.8    | 8.1    | 9.5    | 13.1   | 13.6   | 14.0   | 15.8   | 20.4   | 19.9   | 17.2   | 89.1   |
| 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):**

|       | 55°    | 60°    | 65°    | 67.5°  | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  |
| 2.5°  | 726.1  | 727.0  | 726.5  | 727.0  | 727.0  | 726.1  | 726.1  | 727.9  | 726.5  | 727.5  | 727.5  |
| 5°    | 725.6  | 726.5  | 726.1  | 727.0  | 727.0  | 726.5  | 726.5  | 729.3  | 728.8  | 730.2  | 731.1  |
| 7.5°  | 727.5  | 727.9  | 727.5  | 727.5  | 728.8  | 728.4  | 728.8  | 729.7  | 732.0  | 734.2  | 736.0  |
| 10°   | 729.7  | 730.6  | 732.0  | 732.4  | 734.2  | 733.8  | 735.1  | 736.5  | 738.8  | 741.0  | 743.3  |
| 12.5° | 732.9  | 735.6  | 739.7  | 740.6  | 742.4  | 743.7  | 746.0  | 747.4  | 749.2  | 752.8  | 755.5  |
| 15°   | 735.6  | 740.6  | 745.5  | 747.4  | 749.2  | 751.0  | 753.2  | 754.6  | 757.8  | 760.9  | 764.1  |
| 17.5° | 736.5  | 742.4  | 748.7  | 751.0  | 752.8  | 756.0  | 758.7  | 761.4  | 765.0  | 769.1  | 772.7  |
| 20°   | 737.0  | 745.1  | 753.2  | 756.0  | 760.0  | 764.5  | 769.1  | 771.3  | 776.3  | 781.3  | 784.5  |
| 22.5° | 741.0  | 751.0  | 762.3  | 767.3  | 771.3  | 779.5  | 785.4  | 789.0  | 794.9  | 798.9  | 800.3  |
| 25°   | 752.3  | 762.7  | 776.3  | 784.0  | 790.8  | 802.6  | 809.8  | 816.6  | 819.7  | 825.2  | 823.8  |
| 27.5° | 772.7  | 780.8  | 798.5  | 808.9  | 817.5  | 832.9  | 846.9  | 853.2  | 858.2  | 860.9  | 857.7  |
| 30°   | 807.5  | 810.7  | 830.1  | 842.8  | 857.3  | 881.3  | 896.6  | 904.8  | 911.1  | 911.6  | 903.4  |
| 32.5° | 859.6  | 854.6  | 871.8  | 889.9  | 908.9  | 937.8  | 958.6  | 967.2  | 972.2  | 972.7  | 954.6  |
| 35°   | 930.1  | 921.5  | 936.0  | 953.7  | 977.2  | 1015.2 | 1041.4 | 1051.4 | 1059.1 | 1055.4 | 1028.7 |
| 37.5° | 1019.2 | 1018.8 | 1025.6 | 1048.2 | 1074.9 | 1123.8 | 1151.3 | 1156.8 | 1156.3 | 1145.5 | 1105.2 |
| 40°   | 1118.3 | 1110.2 | 1111.1 | 1127.4 | 1158.1 | 1222.4 | 1260.8 | 1269.9 | 1266.7 | 1250.9 | 1198.4 |
| 42.5° | 1243.2 | 1239.6 | 1227.4 | 1235.9 | 1264.4 | 1342.7 | 1389.3 | 1398.4 | 1401.1 | 1374.8 | 1312.9 |
| 45°   | 1418.3 | 1415.1 | 1388.0 | 1389.8 | 1410.6 | 1492.9 | 1541.3 | 1556.2 | 1556.7 | 1531.8 | 1451.3 |
| 47.5° | 1630.4 | 1627.7 | 1596.1 | 1587.0 | 1597.4 | 1670.7 | 1730.9 | 1734.0 | 1734.9 | 1700.6 | 1616.9 |
| 50°   | 1871.1 | 1863.4 | 1839.4 | 1829.9 | 1817.7 | 1898.7 | 1947.1 | 1946.7 | 1941.7 | 1903.7 | 1809.6 |
| 52.5° | 2103.6 | 2120.8 | 2111.8 | 2093.2 | 2093.7 | 2152.0 | 2197.7 | 2172.4 | 2175.6 | 2139.4 | 2031.3 |
| 55°   | 2352.0 | 2395.9 | 2428.9 | 2435.7 | 2432.5 | 2462.4 | 2487.7 | 2442.5 | 2425.7 | 2419.9 | 2305.0 |
| 57.5° | 2615.8 | 2727.9 | 2829.7 | 2872.3 | 2856.0 | 2910.7 | 2933.3 | 2886.3 | 2887.2 | 2933.3 | 2834.3 |
| 60°   | 2968.2 | 3251.4 | 3507.9 | 3587.5 | 3624.6 | 3715.1 | 3674.8 | 3672.1 | 3743.1 | 3802.8 | 3619.2 |
| 62.5° | 3502.9 | 3972.0 | 4381.5 | 4440.7 | 4470.6 | 4490.9 | 4472.8 | 4423.5 | 4496.8 | 4504.1 | 4220.9 |
| 65°   | 3908.2 | 4458.8 | 4854.7 | 4928.9 | 4923.4 | 4819.8 | 4719.4 | 4620.8 | 4619.9 | 4547.5 | 4182.9 |
| 66°   | 3952.1 | 4505.0 | 4890.9 | 4956.5 | 4932.5 | 4772.8 | 4645.2 | 4517.2 | 4476.0 | 4367.4 | 3997.4 |
| 67.5° | 3856.2 | 4424.4 | 4807.6 | 4866.4 | 4815.3 | 4572.4 | 4398.6 | 4225.4 | 4163.4 | 4012.3 | 3635.0 |
| 70°   | 3296.6 | 3882.0 | 4394.6 | 4479.6 | 4419.0 | 4096.4 | 3839.0 | 3648.6 | 3479.8 | 3331.0 | 3019.7 |
| 72.5° | 2556.0 | 2994.0 | 3536.4 | 3625.0 | 3630.0 | 3377.6 | 3087.6 | 2904.8 | 2708.5 | 2559.2 | 2325.8 |
| 75°   | 1676.6 | 2007.7 | 2305.9 | 2276.0 | 2284.6 | 2086.0 | 1913.2 | 1761.2 | 1583.4 | 1465.8 | 1354.5 |
| 77.5° | 979.9  | 1098.4 | 1071.3 | 997.1  | 934.7  | 734.7  | 525.7  | 361.0  | 314.9  | 328.4  | 370.5  |
| 80°   | 851.9  | 785.4  | 614.8  | 540.6  | 491.8  | 333.9  | 179.6  | 126.7  | 111.3  | 112.6  | 119.4  |
| 82.5° | 917.0  | 951.4  | 780.8  | 642.9  | 560.5  | 393.1  | 211.3  | 105.4  | 76.0   | 88.7   | 97.7   |
| 85°   | 711.6  | 905.7  | 835.1  | 705.7  | 593.5  | 418.0  | 215.8  | 67.0   | 45.2   | 60.6   | 76.5   |
| 87.5° | 202.7  | 320.7  | 256.5  | 226.7  | 182.8  | 124.9  | 51.6   | 26.7   | 24.4   | 31.7   | 43.9   |
| 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°    | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0  | 727.0 | 727.0 | 727.0 | 727.0 | 727.0 |
| 2.5°  | 727.9  | 727.9  | 729.3  | 729.7  | 730.2  | 730.2  | 731.1 | 731.1 | 731.5 | 733.3 | 732.9 |
| 5°    | 732.4  | 733.8  | 735.6  | 736.5  | 737.9  | 738.3  | 739.7 | 739.7 | 741.0 | 742.4 | 741.9 |
| 7.5°  | 737.9  | 739.2  | 740.6  | 741.9  | 743.3  | 745.1  | 744.6 | 744.2 | 743.7 | 742.8 | 741.9 |
| 10°   | 745.5  | 746.9  | 748.3  | 747.8  | 746.9  | 746.0  | 742.4 | 738.3 | 736.5 | 732.9 | 730.2 |
| 12.5° | 758.2  | 759.6  | 758.2  | 754.6  | 749.6  | 743.7  | 736.0 | 729.3 | 725.2 | 719.8 | 716.6 |
| 15°   | 767.7  | 769.1  | 766.4  | 760.0  | 751.9  | 744.2  | 733.8 | 725.2 | 718.0 | 712.1 | 707.5 |
| 17.5° | 775.0  | 774.0  | 768.2  | 760.9  | 752.3  | 746.0  | 736.5 | 727.0 | 718.4 | 710.3 | 703.9 |
| 20°   | 785.4  | 780.4  | 771.8  | 762.7  | 754.1  | 748.7  | 741.0 | 732.4 | 723.4 | 711.6 | 703.5 |
| 22.5° | 798.9  | 789.9  | 778.6  | 769.5  | 761.4  | 756.0  | 748.3 | 740.1 | 731.5 | 718.0 | 706.6 |
| 25°   | 818.4  | 803.9  | 790.8  | 781.3  | 774.0  | 768.6  | 759.1 | 750.5 | 741.0 | 727.5 | 713.0 |
| 27.5° | 845.5  | 824.7  | 811.1  | 801.6  | 794.4  | 788.1  | 775.9 | 765.5 | 753.2 | 739.7 | 722.5 |
| 30°   | 880.8  | 855.5  | 840.6  | 832.4  | 824.7  | 815.7  | 802.6 | 787.2 | 771.3 | 753.2 | 734.7 |
| 32.5° | 924.7  | 896.2  | 882.2  | 874.0  | 864.1  | 851.9  | 834.7 | 814.3 | 790.8 | 766.8 | 743.7 |
| 35°   | 987.1  | 954.6  | 939.2  | 925.1  | 910.7  | 892.6  | 866.8 | 837.4 | 806.2 | 775.0 | 746.5 |
| 37.5° | 1049.1 | 1018.8 | 999.8  | 985.3  | 962.7  | 933.3  | 897.6 | 856.8 | 815.2 | 775.4 | 741.0 |
| 40°   | 1136.9 | 1101.6 | 1079.4 | 1053.6 | 1017.0 | 971.3  | 919.3 | 864.5 | 813.0 | 765.0 | 724.3 |
| 42.5° | 1244.5 | 1204.3 | 1171.3 | 1124.7 | 1067.7 | 1001.6 | 929.7 | 860.0 | 797.1 | 741.9 | 697.1 |
| 45°   | 1380.7 | 1328.2 | 1273.0 | 1199.8 | 1112.4 | 1020.2 | 929.2 | 844.2 | 770.0 | 707.5 | 663.2 |
| 47.5° | 1539.5 | 1465.8 | 1373.0 | 1261.3 | 1141.8 | 1024.7 | 914.7 | 815.7 | 729.3 | 660.5 | 609.4 |
| 50°   | 1702.8 | 1596.1 | 1464.4 | 1308.8 | 1156.8 | 1013.4 | 882.6 | 769.1 | 675.9 | 597.6 | 542.4 |
| 52.5° | 1904.1 | 1738.6 | 1547.2 | 1340.9 | 1150.4 | 979.9  | 829.2 | 703.5 | 603.9 | 527.5 | 464.2 |
| 55°   | 2143.9 | 1902.3 | 1625.9 | 1358.5 | 1122.4 | 919.7  | 748.3 | 617.5 | 513.0 | 443.3 | 386.3 |
| 57.5° | 2540.7 | 2158.8 | 1760.3 | 1384.8 | 1067.2 | 830.1  | 649.6 | 514.4 | 416.2 | 356.9 | 311.2 |
| 60°   | 3224.7 | 2685.0 | 2044.4 | 1449.5 | 990.7  | 702.6  | 524.3 | 403.1 | 322.1 | 274.6 | 242.5 |
| 62.5° | 3702.0 | 3003.9 | 2197.3 | 1427.3 | 860.9  | 553.3  | 387.7 | 288.2 | 234.8 | 203.6 | 181.9 |
| 65°   | 3609.2 | 2878.1 | 2013.2 | 1212.4 | 674.5  | 391.3  | 257.9 | 195.0 | 164.7 | 145.2 | 134.4 |
| 66°   | 3442.7 | 2739.3 | 1872.9 | 1088.5 | 584.9  | 326.2  | 212.6 | 161.5 | 141.6 | 127.6 | 120.3 |
| 67.5° | 3139.2 | 2451.5 | 1620.9 | 873.6  | 437.9  | 240.7  | 161.5 | 125.8 | 114.9 | 107.7 | 102.7 |
| 70°   | 2599.0 | 1938.5 | 1116.1 | 516.2  | 231.6  | 134.8  | 102.7 | 92.7  | 87.8  | 84.6  | 84.1  |
| 72.5° | 1992.8 | 1390.7 | 645.6  | 249.7  | 124.0  | 89.6   | 78.7  | 75.1  | 73.3  | 72.4  | 72.4  |
| 75°   | 1231.0 | 784.5  | 288.6  | 125.3  | 85.5   | 73.3   | 68.3  | 66.5  | 66.0  | 66.0  | 66.0  |
| 77.5° | 432.9  | 273.2  | 129.4  | 91.8   | 75.1   | 66.0   | 62.0  | 61.1  | 62.0  | 62.0  | 62.0  |
| 80°   | 119.4  | 105.4  | 93.6   | 81.4   | 67.9   | 61.1   | 57.5  | 57.0  | 58.8  | 59.3  | 57.5  |
| 82.5° | 93.2   | 87.8   | 80.1   | 72.8   | 62.0   | 55.6   | 53.8  | 54.7  | 55.6  | 54.3  | 51.6  |
| 85°   | 79.6   | 76.0   | 56.1   | 56.1   | 50.2   | 48.4   | 48.0  | 48.9  | 48.4  | 44.8  | 41.2  |
| 87.5° | 45.2   | 39.8   | 30.3   | 33.0   | 35.3   | 36.2   | 30.3  | 32.6  | 32.1  | 28.5  | 26.7  |
| 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: P146784

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**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 727.0 | 727.0 | 727.0 | 727.0 | 727.0 |
| 2.5°  | 733.8 | 733.8 | 734.7 | 734.7 | 734.2 |
| 5°    | 742.8 | 742.8 | 744.2 | 743.3 | 743.7 |
| 7.5°  | 741.0 | 739.2 | 739.2 | 738.3 | 737.9 |
| 10°   | 728.4 | 725.2 | 723.4 | 724.3 | 722.9 |
| 12.5° | 713.9 | 711.2 | 709.4 | 708.9 | 708.5 |
| 15°   | 704.8 | 701.7 | 700.3 | 699.4 | 699.4 |
| 17.5° | 699.9 | 696.2 | 694.4 | 693.1 | 692.6 |
| 20°   | 697.6 | 693.1 | 690.4 | 689.0 | 688.1 |
| 22.5° | 698.5 | 693.1 | 689.5 | 687.6 | 686.7 |
| 25°   | 702.1 | 695.3 | 690.8 | 688.5 | 687.2 |
| 27.5° | 708.5 | 699.4 | 694.4 | 691.3 | 689.5 |
| 30°   | 716.1 | 703.5 | 696.2 | 691.7 | 689.9 |
| 32.5° | 721.1 | 703.9 | 694.9 | 688.1 | 686.3 |
| 35°   | 720.2 | 699.0 | 687.2 | 678.6 | 677.2 |
| 37.5° | 711.2 | 685.8 | 671.4 | 660.0 | 658.7 |
| 40°   | 691.7 | 665.9 | 649.2 | 637.9 | 635.2 |
| 42.5° | 664.6 | 637.9 | 619.8 | 609.4 | 605.8 |
| 45°   | 624.8 | 592.2 | 575.4 | 566.9 | 561.9 |
| 47.5° | 568.7 | 537.9 | 519.4 | 512.1 | 505.8 |
| 50°   | 504.9 | 470.9 | 457.4 | 449.2 | 442.0 |
| 52.5° | 429.8 | 400.8 | 390.4 | 382.7 | 376.8 |
| 55°   | 356.9 | 336.6 | 324.4 | 316.2 | 316.7 |
| 57.5° | 286.8 | 274.6 | 267.8 | 259.2 | 260.1 |
| 60°   | 225.7 | 215.3 | 215.3 | 209.9 | 208.1 |
| 62.5° | 172.4 | 168.3 | 166.9 | 165.1 | 162.0 |
| 65°   | 130.7 | 130.7 | 131.2 | 131.2 | 129.4 |
| 66°   | 117.6 | 119.0 | 120.8 | 120.8 | 118.5 |
| 67.5° | 101.8 | 103.6 | 105.4 | 106.3 | 106.3 |
| 70°   | 84.1  | 86.4  | 87.3  | 88.2  | 87.8  |
| 72.5° | 73.7  | 75.6  | 75.6  | 76.0  | 75.1  |
| 75°   | 67.0  | 67.9  | 68.3  | 67.4  | 67.0  |
| 77.5° | 62.0  | 62.4  | 62.0  | 61.5  | 61.1  |
| 80°   | 56.1  | 55.6  | 54.3  | 52.5  | 52.0  |
| 82.5° | 48.4  | 46.6  | 45.7  | 43.0  | 42.5  |
| 85°   | 38.9  | 36.6  | 34.8  | 31.2  | 29.4  |
| 87.5° | 25.8  | 24.9  | 23.5  | 17.2  | 14.0  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)