

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: INVUE

Report Number: P152104

Luminaire Tested: **VXM-F03-LED-E1-SL4-7030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152104  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VXM-F03-LED-E1-SL4-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6682.2 lumens  
Efficiency: N/A  
Efficacy: 85.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3  
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: 25 FT



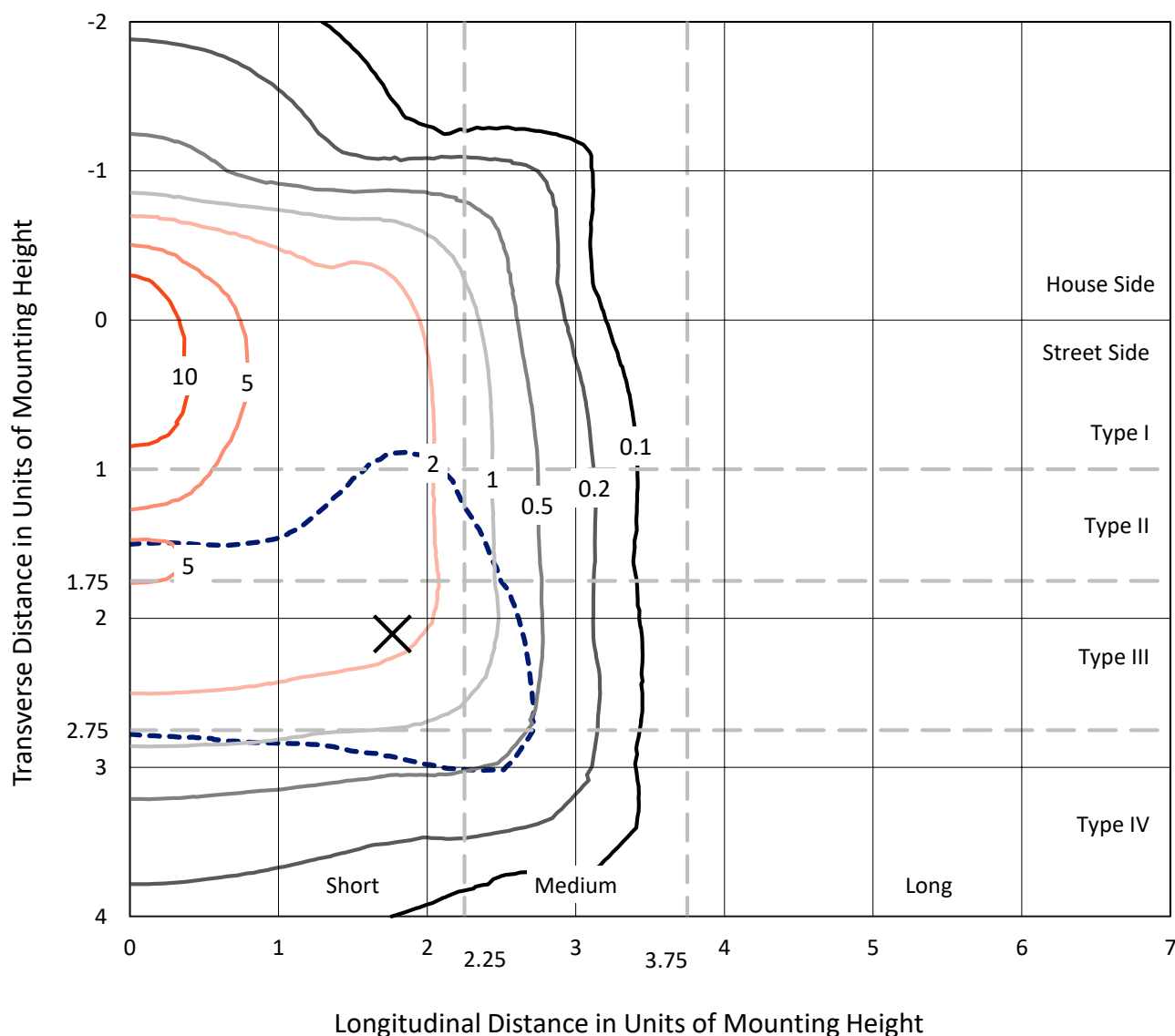
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

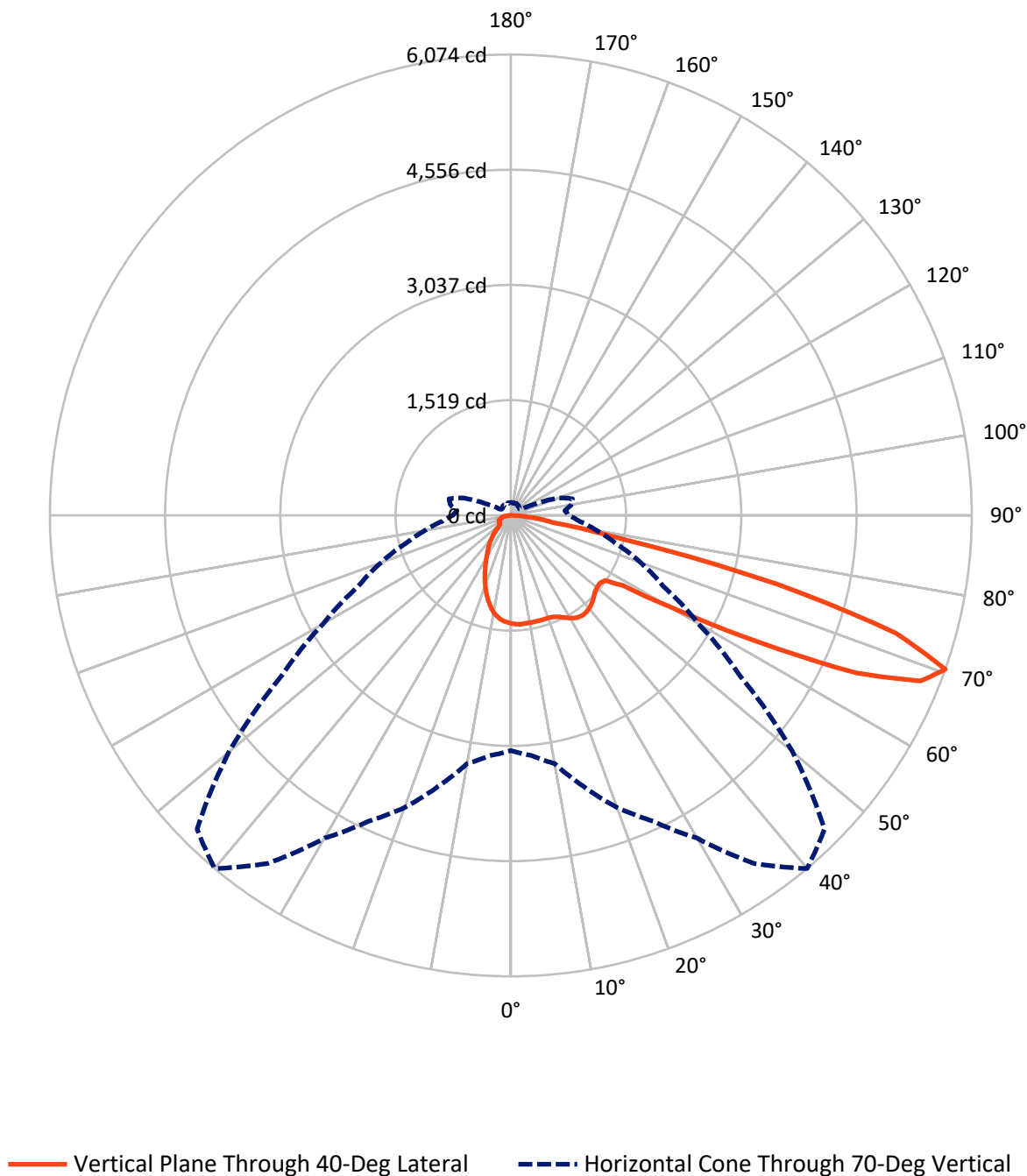


Based on 10 foot mounting height. Maximum calculated value = 14.3 fc  
 Type IV - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1387.1   | 0.0    | 1387.1 |
|                    | % Fixture | 20.8     | 0.0    | 20.8   |
| <b>Street Side</b> | Lumens    | 5295.0   | 0.0    | 5295.0 |
|                    | % Fixture | 79.2     | 0.0    | 79.2   |
| <b>Total</b>       | Lumens    | 6682.2   | 0.0    | 6682.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 133.2  | 2.0       |
| 10°-20°   | 364.6  | 5.5       |
| 20°-30°   | 539.8  | 8.1       |
| 30°-40°   | 682.2  | 10.2      |
| 40°-50°   | 771.5  | 11.5      |
| 50°-60°   | 1097.9 | 16.4      |
| 60°-70°   | 2044.7 | 30.6      |
| 70°-80°   | 937.1  | 14.0      |
| 80°-90°   | 111.2  | 1.7       |
| 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°    | 6682.2 | 100.0     |
| 0°-180°   | 6682.2 | 100.0     |

**Coefficient of Utilization**



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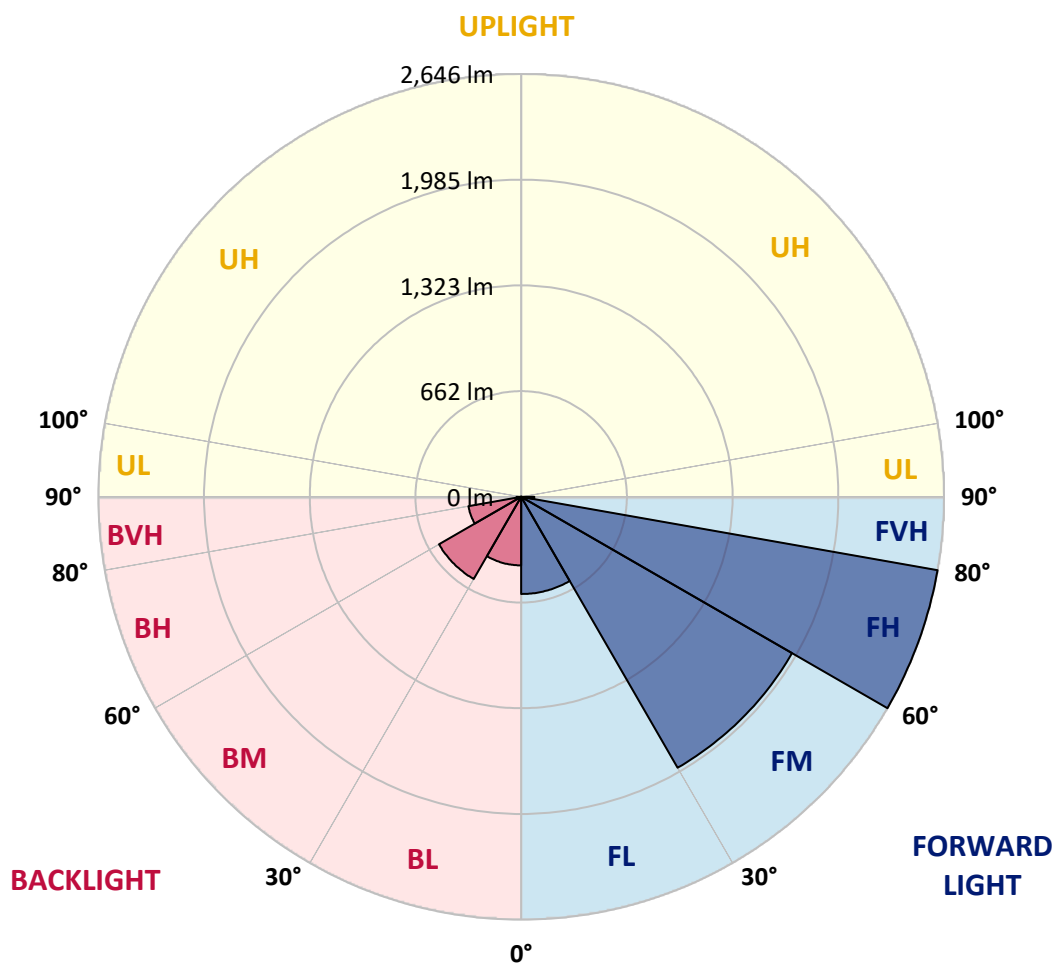
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 608.5  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 1957.6 | 29.3      |                         |      |         |
| FH   | (60°-80°)   | 2646.4 | 39.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 82.5   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 429.2  | 6.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 593.9  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 335.3  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 28.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 |
| 2.5°  | 1447.7 | 1451.4 | 1446.9 | 1446.2 | 1446.2 | 1445.4 | 1440.9 | 1440.1 | 1434.1 | 1434.8 | 1436.4 |
| 5°    | 1458.2 | 1459.7 | 1456.7 | 1456.0 | 1454.5 | 1451.4 | 1447.7 | 1443.1 | 1438.6 | 1434.1 | 1430.3 |
| 7.5°  | 1468.8 | 1467.3 | 1465.0 | 1465.0 | 1462.7 | 1458.2 | 1450.7 | 1444.7 | 1434.8 | 1429.6 | 1422.8 |
| 10°   | 1483.9 | 1481.6 | 1478.6 | 1477.1 | 1473.3 | 1466.5 | 1456.0 | 1447.7 | 1435.6 | 1425.0 | 1413.7 |
| 12.5° | 1498.2 | 1497.4 | 1492.9 | 1490.6 | 1484.6 | 1477.8 | 1465.0 | 1452.2 | 1436.4 | 1419.8 | 1404.7 |
| 15°   | 1523.8 | 1520.8 | 1516.3 | 1511.8 | 1502.0 | 1492.9 | 1473.3 | 1458.2 | 1435.6 | 1413.7 | 1390.4 |
| 17.5° | 1568.3 | 1563.0 | 1558.5 | 1548.7 | 1536.6 | 1520.8 | 1492.2 | 1466.5 | 1435.6 | 1403.9 | 1377.5 |
| 20°   | 1649.7 | 1638.4 | 1632.4 | 1619.6 | 1598.5 | 1569.8 | 1525.3 | 1483.9 | 1437.9 | 1397.1 | 1361.7 |
| 22.5° | 1741.7 | 1734.2 | 1725.9 | 1717.6 | 1684.4 | 1643.0 | 1582.6 | 1520.8 | 1451.4 | 1394.1 | 1348.9 |
| 25°   | 1845.0 | 1835.2 | 1830.7 | 1816.4 | 1785.5 | 1738.0 | 1655.8 | 1569.8 | 1482.4 | 1406.2 | 1348.9 |
| 27.5° | 1937.0 | 1934.0 | 1933.2 | 1916.7 | 1887.2 | 1831.5 | 1734.2 | 1630.9 | 1524.6 | 1431.1 | 1360.2 |
| 30°   | 2020.7 | 2017.7 | 2016.2 | 2007.1 | 1973.2 | 1906.8 | 1801.3 | 1685.2 | 1570.6 | 1465.8 | 1381.3 |
| 32.5° | 2109.7 | 2099.9 | 2095.3 | 2078.0 | 2039.6 | 1961.9 | 1841.3 | 1720.6 | 1606.8 | 1499.7 | 1404.7 |
| 35°   | 2182.1 | 2173.8 | 2164.7 | 2139.8 | 2085.5 | 1993.6 | 1858.6 | 1732.7 | 1621.1 | 1518.5 | 1416.8 |
| 37.5° | 2234.8 | 2226.5 | 2213.7 | 2182.1 | 2115.0 | 2004.1 | 1857.8 | 1728.9 | 1615.8 | 1515.5 | 1419.0 |
| 40°   | 2258.2 | 2249.9 | 2236.3 | 2196.4 | 2120.2 | 1998.1 | 1843.5 | 1711.6 | 1600.0 | 1499.7 | 1410.0 |
| 42.5° | 2249.2 | 2243.1 | 2225.8 | 2187.3 | 2103.6 | 1970.9 | 1814.9 | 1679.1 | 1569.8 | 1474.1 | 1389.6 |
| 45°   | 2214.5 | 2210.0 | 2193.4 | 2152.7 | 2065.9 | 1927.2 | 1772.6 | 1638.4 | 1533.6 | 1442.4 | 1362.5 |
| 47.5° | 2162.5 | 2160.9 | 2144.4 | 2104.4 | 2018.4 | 1883.5 | 1728.9 | 1598.5 | 1497.4 | 1411.5 | 1339.8 |
| 50°   | 2105.1 | 2097.6 | 2089.3 | 2052.4 | 1974.0 | 1845.8 | 1697.2 | 1573.6 | 1477.1 | 1400.2 | 1330.0 |
| 52.5° | 2069.0 | 2066.7 | 2059.2 | 2026.0 | 1950.6 | 1823.9 | 1682.9 | 1564.5 | 1475.6 | 1397.9 | 1324.8 |
| 55°   | 2390.2 | 2395.4 | 2326.1 | 2182.1 | 2055.4 | 1884.2 | 1725.9 | 1610.5 | 1512.5 | 1434.1 | 1380.6 |
| 57.5° | 3535.5 | 3512.1 | 3393.0 | 3107.2 | 2784.5 | 2358.5 | 2051.6 | 1865.4 | 1744.0 | 1757.6 | 1784.7 |
| 60°   | 4119.1 | 4114.5 | 4092.7 | 3981.8 | 3767.0 | 3442.7 | 3083.1 | 2670.6 | 2539.5 | 2553.8 | 2564.3 |
| 62.5° | 4379.9 | 4386.7 | 4403.3 | 4361.9 | 4305.3 | 4211.1 | 4031.6 | 3865.7 | 3690.0 | 3624.4 | 3448.8 |
| 65°   | 4500.6 | 4512.7 | 4550.4 | 4573.7 | 4595.6 | 4612.2 | 4683.1 | 4877.6 | 5005.8 | 4766.0 | 4208.0 |
| 67.5° | 4251.0 | 4309.1 | 4433.5 | 4554.9 | 4663.4 | 4818.0 | 5057.8 | 5509.4 | 5823.8 | 5529.0 | 4720.0 |
| 70°   | 3098.9 | 3178.1 | 3320.6 | 3696.1 | 4097.2 | 4447.8 | 4912.3 | 5599.9 | 6074.2 | 5846.5 | 4846.7 |
| 72.5° | 1943.0 | 1964.9 | 2028.2 | 2166.2 | 2464.1 | 2914.2 | 3726.2 | 4757.7 | 5305.1 | 5123.4 | 4096.4 |
| 75°   | 1232.8 | 1240.3 | 1238.1 | 1269.7 | 1320.2 | 1418.3 | 1739.5 | 2810.1 | 3634.2 | 3350.7 | 2283.1 |
| 77.5° | 734.4  | 745.7  | 750.2  | 760.0  | 784.2  | 818.8  | 845.2  | 956.1  | 1523.8 | 1479.3 | 828.6  |
| 80°   | 615.3  | 624.3  | 616.8  | 614.5  | 599.4  | 588.9  | 601.7  | 588.9  | 546.6  | 526.3  | 484.8  |
| 82.5° | 325.7  | 325.0  | 322.7  | 344.6  | 389.1  | 423.7  | 450.1  | 444.1  | 401.9  | 342.3  | 290.3  |
| 85°   | 178.7  | 184.7  | 184.7  | 192.3  | 185.5  | 186.2  | 192.3  | 202.8  | 187.7  | 156.8  | 128.2  |
| 87.5° | 15.1   | 23.4   | 18.8   | 23.4   | 31.7   | 22.6   | 21.9   | 21.9   | 18.8   | 13.6   | 12.1   |
| 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°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 |
| 2.5°  | 1432.6 | 1431.1 | 1428.1 | 1425.8 | 1425.8 | 1422.0 | 1419.8 | 1418.3 | 1417.5 | 1414.5 | 1414.5 |
| 5°    | 1428.1 | 1422.8 | 1417.5 | 1413.7 | 1411.5 | 1407.7 | 1401.7 | 1398.7 | 1394.9 | 1391.9 | 1390.4 |
| 7.5°  | 1418.3 | 1408.5 | 1400.2 | 1394.1 | 1386.6 | 1380.6 | 1373.0 | 1366.2 | 1359.5 | 1356.4 | 1354.9 |
| 10°   | 1403.2 | 1390.4 | 1377.5 | 1366.2 | 1355.7 | 1345.1 | 1335.3 | 1325.5 | 1317.2 | 1311.2 | 1305.2 |
| 12.5° | 1388.9 | 1369.3 | 1352.7 | 1336.1 | 1319.5 | 1306.7 | 1293.1 | 1278.8 | 1266.7 | 1255.4 | 1252.4 |
| 15°   | 1369.3 | 1346.6 | 1325.5 | 1305.2 | 1284.8 | 1263.7 | 1247.1 | 1231.3 | 1211.7 | 1198.8 | 1189.0 |
| 17.5° | 1351.2 | 1324.0 | 1298.4 | 1274.2 | 1249.4 | 1227.5 | 1202.6 | 1181.5 | 1161.9 | 1142.3 | 1128.0 |
| 20°   | 1331.6 | 1302.1 | 1275.0 | 1247.9 | 1220.7 | 1192.8 | 1164.2 | 1137.0 | 1112.9 | 1089.5 | 1066.1 |
| 22.5° | 1314.2 | 1284.1 | 1257.7 | 1228.3 | 1198.1 | 1166.4 | 1133.3 | 1099.3 | 1071.4 | 1041.3 | 1014.1 |
| 25°   | 1303.7 | 1270.5 | 1243.3 | 1214.7 | 1181.5 | 1146.8 | 1109.1 | 1069.2 | 1035.2 | 1000.5 | 968.1  |
| 27.5° | 1303.7 | 1260.7 | 1232.8 | 1204.1 | 1170.2 | 1133.3 | 1091.8 | 1048.1 | 1009.6 | 971.1  | 931.2  |
| 30°   | 1315.0 | 1262.2 | 1224.5 | 1194.3 | 1159.6 | 1119.7 | 1073.7 | 1027.7 | 985.5  | 940.2  | 901.8  |
| 32.5° | 1325.5 | 1265.2 | 1218.5 | 1180.0 | 1140.0 | 1100.8 | 1054.1 | 1005.1 | 958.3  | 915.3  | 874.6  |
| 35°   | 1332.3 | 1265.2 | 1207.1 | 1158.1 | 1112.9 | 1074.4 | 1028.4 | 979.4  | 931.9  | 889.7  | 852.0  |
| 37.5° | 1333.1 | 1259.2 | 1189.0 | 1133.3 | 1085.8 | 1045.8 | 1002.1 | 956.1  | 910.8  | 871.6  | 839.9  |
| 40°   | 1325.5 | 1247.1 | 1171.0 | 1106.9 | 1057.1 | 1016.4 | 976.4  | 935.0  | 894.2  | 861.8  | 834.7  |
| 42.5° | 1311.9 | 1234.3 | 1153.6 | 1085.8 | 1033.7 | 991.5  | 954.6  | 919.1  | 883.7  | 855.8  | 833.2  |
| 45°   | 1291.6 | 1216.9 | 1137.8 | 1072.9 | 1021.7 | 977.2  | 941.0  | 911.6  | 881.4  | 858.0  | 835.4  |
| 47.5° | 1273.5 | 1210.9 | 1143.1 | 1081.2 | 1027.7 | 981.7  | 944.8  | 919.9  | 896.5  | 880.7  | 849.8  |
| 50°   | 1269.7 | 1207.9 | 1145.3 | 1088.0 | 1033.7 | 987.0  | 954.6  | 941.7  | 935.0  | 925.1  | 877.6  |
| 52.5° | 1259.2 | 1207.1 | 1161.9 | 1130.2 | 1095.6 | 1073.7 | 1039.8 | 1051.8 | 1044.3 | 1009.6 | 923.6  |
| 55°   | 1370.0 | 1385.1 | 1427.3 | 1487.6 | 1543.4 | 1556.2 | 1552.5 | 1538.1 | 1462.0 | 1257.7 | 1034.5 |
| 57.5° | 1883.5 | 1968.7 | 2048.6 | 2084.0 | 2079.5 | 2039.6 | 2010.9 | 1952.8 | 1842.8 | 1593.9 | 1253.1 |
| 60°   | 2596.8 | 2610.3 | 2568.1 | 2505.5 | 2400.0 | 2311.7 | 2217.5 | 2108.9 | 1949.1 | 1705.5 | 1387.3 |
| 62.5° | 3253.5 | 3071.0 | 2883.3 | 2706.8 | 2546.2 | 2406.0 | 2274.8 | 2123.2 | 1915.1 | 1661.0 | 1370.0 |
| 65°   | 3717.2 | 3331.1 | 3034.8 | 2781.5 | 2554.5 | 2358.5 | 2194.9 | 1998.1 | 1763.6 | 1534.4 | 1269.7 |
| 67.5° | 3956.2 | 3364.3 | 2909.7 | 2556.8 | 2234.8 | 1963.4 | 1745.5 | 1554.0 | 1379.8 | 1279.5 | 1111.4 |
| 70°   | 3689.3 | 2855.4 | 2222.0 | 1823.2 | 1437.9 | 1152.9 | 910.8  | 764.5  | 714.0  | 809.0  | 841.5  |
| 72.5° | 2749.1 | 1858.6 | 1321.8 | 1022.4 | 783.4  | 624.3  | 478.8  | 376.2  | 306.1  | 321.2  | 417.0  |
| 75°   | 1299.9 | 802.2  | 567.0  | 431.3  | 343.1  | 284.3  | 232.2  | 212.6  | 177.9  | 147.8  | 138.7  |
| 77.5° | 505.9  | 368.7  | 304.6  | 223.2  | 158.3  | 127.4  | 108.6  | 104.8  | 107.1  | 104.1  | 102.5  |
| 80°   | 385.3  | 260.9  | 163.6  | 119.9  | 103.3  | 91.2   | 80.7   | 77.7   | 79.2   | 82.9   | 86.7   |
| 82.5° | 214.9  | 134.2  | 99.5   | 86.7   | 77.7   | 66.4   | 60.3   | 55.8   | 56.5   | 61.1   | 69.4   |
| 85°   | 82.9   | 64.8   | 59.6   | 57.3   | 53.5   | 43.0   | 36.9   | 37.7   | 43.0   | 51.3   | 51.3   |
| 87.5° | 9.0    | 9.0    | 12.1   | 9.0    | 9.0    | 9.0    | 8.3    | 9.8    | 10.6   | 13.6   | 15.8   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 | 1425.8 |
| 2.5°  | 1413.0 | 1413.0 | 1413.0 | 1411.5 | 1412.2 | 1409.2 | 1409.2 | 1407.0 | 1410.7 | 1408.5 | 1407.7 |
| 5°    | 1391.1 | 1390.4 | 1387.3 | 1387.3 | 1387.3 | 1387.3 | 1389.6 | 1383.6 | 1388.1 | 1388.1 | 1385.8 |
| 7.5°  | 1354.2 | 1354.2 | 1345.9 | 1350.4 | 1348.9 | 1351.2 | 1354.2 | 1351.2 | 1355.7 | 1358.7 | 1356.4 |
| 10°   | 1302.9 | 1302.9 | 1296.1 | 1301.4 | 1299.1 | 1304.4 | 1309.7 | 1306.7 | 1309.7 | 1314.2 | 1315.7 |
| 12.5° | 1246.4 | 1243.3 | 1237.3 | 1239.6 | 1239.6 | 1242.6 | 1244.8 | 1248.6 | 1252.4 | 1258.4 | 1261.4 |
| 15°   | 1180.8 | 1176.2 | 1168.7 | 1168.7 | 1164.2 | 1165.7 | 1170.2 | 1171.7 | 1179.2 | 1187.5 | 1197.3 |
| 17.5° | 1113.6 | 1102.3 | 1094.0 | 1084.2 | 1076.7 | 1082.7 | 1088.0 | 1091.8 | 1097.8 | 1110.6 | 1117.4 |
| 20°   | 1050.3 | 1027.7 | 1011.9 | 999.0  | 990.7  | 994.5  | 1001.3 | 1005.8 | 1011.1 | 1014.1 | 1016.4 |
| 22.5° | 987.7  | 962.1  | 940.2  | 924.4  | 910.8  | 914.6  | 911.6  | 909.3  | 913.1  | 903.3  | 902.5  |
| 25°   | 933.4  | 903.3  | 873.9  | 855.0  | 838.4  | 833.2  | 817.3  | 813.6  | 803.0  | 794.7  | 788.7  |
| 27.5° | 894.2  | 855.0  | 822.6  | 800.7  | 774.4  | 754.7  | 734.4  | 714.0  | 702.7  | 689.2  | 682.4  |
| 30°   | 863.3  | 821.9  | 783.4  | 746.5  | 711.8  | 681.6  | 654.5  | 628.1  | 610.0  | 590.4  | 577.6  |
| 32.5° | 834.7  | 796.2  | 749.5  | 699.0  | 652.2  | 618.3  | 582.8  | 552.7  | 524.0  | 498.4  | 479.5  |
| 35°   | 815.1  | 772.1  | 712.5  | 650.7  | 597.9  | 558.0  | 520.3  | 477.3  | 442.6  | 409.4  | 389.1  |
| 37.5° | 804.5  | 751.7  | 678.6  | 610.0  | 551.2  | 505.9  | 459.2  | 409.4  | 367.2  | 336.3  | 305.4  |
| 40°   | 796.2  | 731.4  | 648.4  | 573.8  | 512.0  | 457.7  | 403.4  | 344.6  | 297.8  | 265.4  | 241.3  |
| 42.5° | 787.2  | 708.8  | 622.0  | 545.1  | 476.5  | 413.2  | 347.6  | 285.0  | 240.5  | 217.9  | 207.3  |
| 45°   | 777.4  | 689.2  | 597.2  | 518.0  | 441.8  | 364.9  | 289.5  | 231.5  | 205.1  | 197.5  | 197.5  |
| 47.5° | 775.1  | 676.3  | 579.1  | 491.6  | 402.6  | 309.1  | 236.0  | 199.8  | 192.3  | 193.8  | 196.8  |
| 50°   | 784.2  | 672.6  | 563.2  | 460.7  | 350.6  | 250.3  | 199.8  | 187.7  | 189.3  | 193.8  | 198.3  |
| 52.5° | 806.0  | 675.6  | 546.6  | 417.7  | 288.8  | 206.6  | 184.7  | 184.0  | 188.5  | 195.3  | 199.8  |
| 55°   | 843.0  | 675.6  | 515.0  | 353.6  | 230.7  | 185.5  | 179.5  | 182.5  | 188.5  | 194.5  | 198.3  |
| 57.5° | 922.1  | 668.8  | 459.2  | 282.7  | 193.0  | 177.9  | 177.9  | 181.7  | 187.0  | 193.0  | 196.0  |
| 60°   | 1016.4 | 659.7  | 380.8  | 218.7  | 174.2  | 171.9  | 177.2  | 181.7  | 186.2  | 191.5  | 194.5  |
| 62.5° | 1022.4 | 636.4  | 301.6  | 181.0  | 164.4  | 168.1  | 176.4  | 182.5  | 184.0  | 187.7  | 191.5  |
| 65°   | 939.5  | 554.9  | 239.8  | 162.1  | 159.8  | 165.9  | 174.2  | 178.7  | 179.5  | 181.0  | 184.7  |
| 67.5° | 822.6  | 452.4  | 193.8  | 153.1  | 155.3  | 162.1  | 166.6  | 170.4  | 172.7  | 176.4  | 177.2  |
| 70°   | 675.6  | 363.4  | 165.9  | 144.0  | 146.3  | 153.8  | 157.6  | 161.4  | 165.9  | 170.4  | 168.1  |
| 72.5° | 478.8  | 282.7  | 145.5  | 134.2  | 137.2  | 144.0  | 148.5  | 151.6  | 155.3  | 159.8  | 156.8  |
| 75°   | 203.6  | 197.5  | 125.9  | 121.4  | 125.9  | 130.4  | 135.0  | 139.5  | 143.3  | 145.5  | 145.5  |
| 77.5° | 104.1  | 116.1  | 108.6  | 108.6  | 111.6  | 116.1  | 119.9  | 124.4  | 126.7  | 128.9  | 131.9  |
| 80°   | 88.2   | 89.7   | 91.2   | 94.2   | 97.3   | 101.8  | 105.6  | 109.3  | 110.1  | 110.8  | 112.3  |
| 82.5° | 73.1   | 76.2   | 77.7   | 82.2   | 84.4   | 86.0   | 88.2   | 88.2   | 89.7   | 89.7   | 87.5   |
| 85°   | 52.8   | 56.5   | 58.8   | 59.6   | 58.8   | 59.6   | 60.3   | 61.8   | 65.6   | 65.6   | 62.6   |
| 87.5° | 15.1   | 14.3   | 18.1   | 18.8   | 20.4   | 23.4   | 26.4   | 31.7   | 33.2   | 34.7   | 34.7   |
| 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):**

|       | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|
| 0°    | 1425.8 | 1425.8 | 1425.8 | 1425.8 |
| 2.5°  | 1407.0 | 1408.5 | 1405.4 | 1406.2 |
| 5°    | 1385.8 | 1388.9 | 1385.1 | 1389.6 |
| 7.5°  | 1358.7 | 1363.2 | 1362.5 | 1361.7 |
| 10°   | 1319.5 | 1325.5 | 1325.5 | 1327.8 |
| 12.5° | 1269.7 | 1273.5 | 1276.5 | 1278.0 |
| 15°   | 1202.6 | 1209.4 | 1213.2 | 1213.2 |
| 17.5° | 1121.9 | 1126.5 | 1128.7 | 1125.7 |
| 20°   | 1019.4 | 1017.9 | 1018.6 | 1011.1 |
| 22.5° | 901.0  | 903.3  | 896.5  | 898.0  |
| 25°   | 784.9  | 781.1  | 784.2  | 779.6  |
| 27.5° | 672.6  | 673.3  | 665.0  | 668.8  |
| 30°   | 565.5  | 561.7  | 551.2  | 556.4  |
| 32.5° | 462.2  | 452.4  | 441.1  | 434.3  |
| 35°   | 364.9  | 349.9  | 344.6  | 342.3  |
| 37.5° | 286.5  | 269.9  | 264.7  | 258.6  |
| 40°   | 227.7  | 221.7  | 219.4  | 220.9  |
| 42.5° | 204.3  | 204.3  | 205.8  | 206.6  |
| 45°   | 198.3  | 200.6  | 202.8  | 203.6  |
| 47.5° | 199.1  | 201.3  | 204.3  | 205.1  |
| 50°   | 200.6  | 202.8  | 205.1  | 205.8  |
| 52.5° | 201.3  | 201.3  | 202.8  | 203.6  |
| 55°   | 199.8  | 199.1  | 199.8  | 200.6  |
| 57.5° | 196.8  | 195.3  | 196.0  | 198.3  |
| 60°   | 195.3  | 193.0  | 194.5  | 196.0  |
| 62.5° | 191.5  | 190.8  | 192.3  | 193.0  |
| 65°   | 183.2  | 184.0  | 186.2  | 186.2  |
| 67.5° | 175.7  | 176.4  | 177.2  | 177.9  |
| 70°   | 166.6  | 167.4  | 168.9  | 169.6  |
| 72.5° | 156.1  | 159.1  | 161.4  | 164.4  |
| 75°   | 147.8  | 150.8  | 155.3  | 158.3  |
| 77.5° | 133.5  | 135.7  | 141.0  | 144.8  |
| 80°   | 113.1  | 112.3  | 113.1  | 115.4  |
| 82.5° | 86.7   | 86.7   | 86.0   | 85.2   |
| 85°   | 61.1   | 60.3   | 58.1   | 58.1   |
| 87.5° | 33.2   | 32.4   | 31.7   | 30.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)