

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: P152116

Luminaire Tested: **VXM-F04-LED-E1-SL4-7050**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152116  
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-F04-LED-E1-SL4-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (28) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10009.4 lumens  
Efficiency: N/A  
Efficacy: 97.9 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 102.2  
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: 25 FT



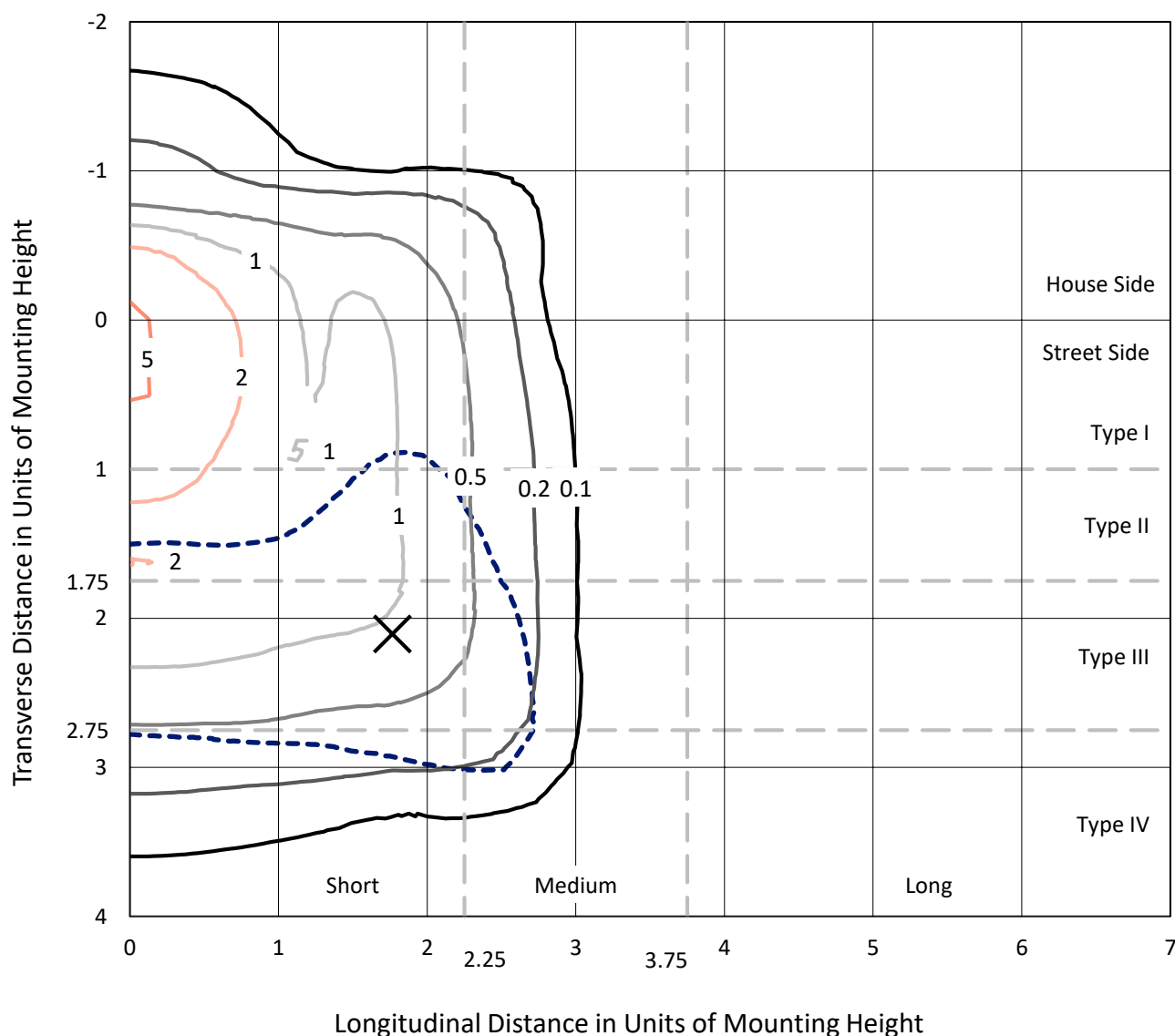
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

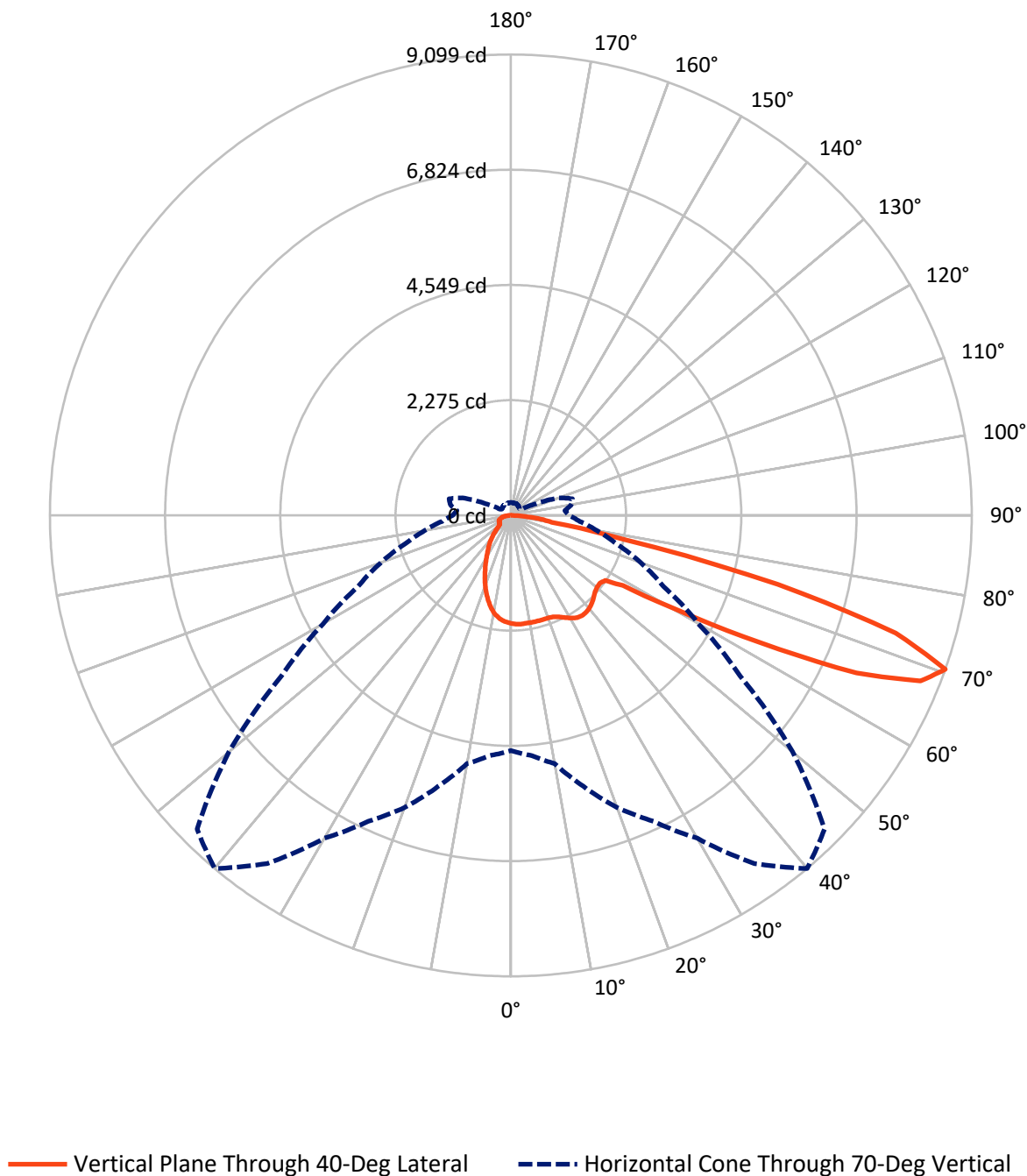


Based on 20 foot mounting height. Maximum calculated value = 5.4 fc  
 Type IV - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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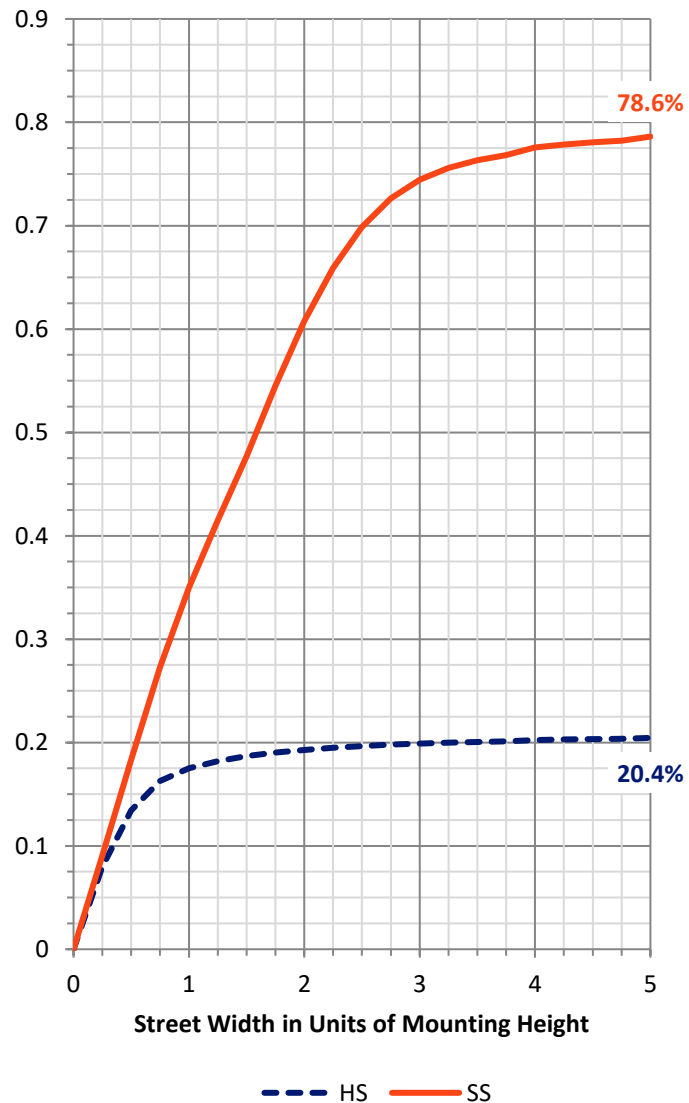
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 2077.9   | 0.0    | 2077.9  |
|                    | % Fixture | 20.8     | 0.0    | 20.8    |
| <b>Street Side</b> | Lumens    | 7931.6   | 0.0    | 7931.6  |
|                    | % Fixture | 79.2     | 0.0    | 79.2    |
| <b>Total</b>       | Lumens    | 10009.4  | 0.0    | 10009.4 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 199.5   | 2.0       |
| 10°-20°   | 546.2   | 5.5       |
| 20°-30°   | 808.6   | 8.1       |
| 30°-40°   | 1021.8  | 10.2      |
| 40°-50°   | 1155.7  | 11.5      |
| 50°-60°   | 1644.5  | 16.4      |
| 60°-70°   | 3062.8  | 30.6      |
| 70°-80°   | 1403.7  | 14.0      |
| 80°-90°   | 166.6   | 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°    | 10009.4 | 100.0     |
| 0°-180°   | 10009.4 | 100.0     |

**Coefficient of Utilization**



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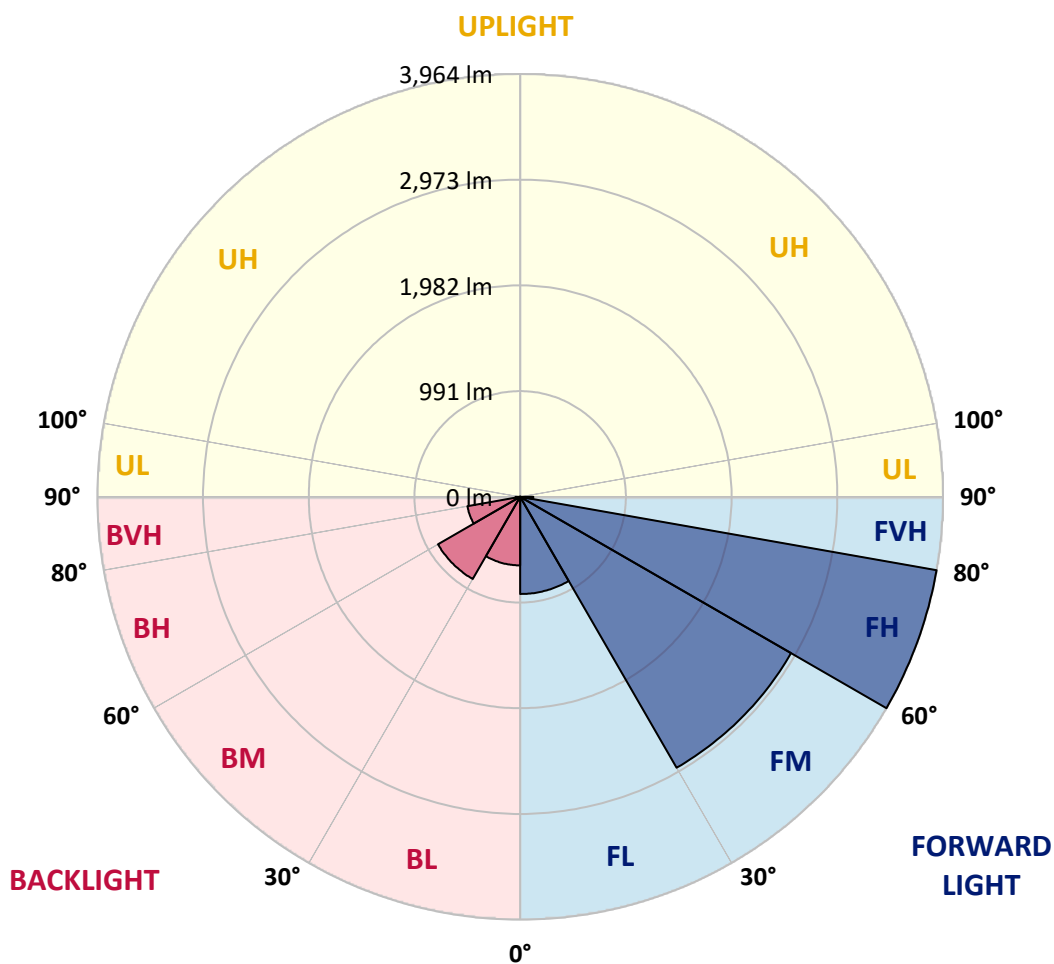
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 911.4  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 2932.4 | 29.3      |                         |      |         |
| FH   | (60°-80°)   | 3964.1 | 39.6      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 123.6  | 1.2       |                         |      | G2/225  |
| BL   | (0°-30°)    | 642.9  | 6.4       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 889.6  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 502.3  | 5.0       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 43.0   | 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 IV Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 |
| 2.5°  | 2168.5 | 2174.2 | 2167.4 | 2166.3 | 2166.3 | 2165.1 | 2158.3 | 2157.2 | 2148.2 | 2149.3 | 2151.6 |
| 5°    | 2184.3 | 2186.6 | 2182.1 | 2180.9 | 2178.7 | 2174.2 | 2168.5 | 2161.7 | 2155.0 | 2148.2 | 2142.5 |
| 7.5°  | 2200.1 | 2197.9 | 2194.5 | 2194.5 | 2191.1 | 2184.3 | 2173.0 | 2164.0 | 2149.3 | 2141.4 | 2131.2 |
| 10°   | 2222.7 | 2219.3 | 2214.8 | 2212.6 | 2206.9 | 2196.7 | 2180.9 | 2168.5 | 2150.4 | 2134.6 | 2117.7 |
| 12.5° | 2244.2 | 2243.1 | 2236.3 | 2232.9 | 2223.9 | 2213.7 | 2194.5 | 2175.3 | 2151.6 | 2126.7 | 2104.1 |
| 15°   | 2282.6 | 2278.1 | 2271.3 | 2264.5 | 2249.8 | 2236.3 | 2206.9 | 2184.3 | 2150.4 | 2117.7 | 2082.7 |
| 17.5° | 2349.2 | 2341.3 | 2334.5 | 2319.9 | 2301.8 | 2278.1 | 2235.2 | 2196.7 | 2150.4 | 2103.0 | 2063.5 |
| 20°   | 2471.2 | 2454.3 | 2445.2 | 2426.0 | 2394.4 | 2351.5 | 2284.8 | 2222.7 | 2153.8 | 2092.8 | 2039.8 |
| 22.5° | 2609.0 | 2597.7 | 2585.3 | 2572.9 | 2523.2 | 2461.0 | 2370.7 | 2278.1 | 2174.2 | 2088.3 | 2020.6 |
| 25°   | 2763.7 | 2749.0 | 2742.3 | 2720.8 | 2674.5 | 2603.3 | 2480.2 | 2351.5 | 2220.5 | 2106.4 | 2020.6 |
| 27.5° | 2901.5 | 2897.0 | 2895.9 | 2871.0 | 2827.0 | 2743.4 | 2597.7 | 2443.0 | 2283.7 | 2143.7 | 2037.5 |
| 30°   | 3026.9 | 3022.4 | 3020.1 | 3006.6 | 2955.7 | 2856.3 | 2698.2 | 2524.3 | 2352.6 | 2195.6 | 2069.1 |
| 32.5° | 3160.2 | 3145.5 | 3138.7 | 3112.7 | 3055.1 | 2938.8 | 2758.1 | 2577.4 | 2406.8 | 2246.4 | 2104.1 |
| 35°   | 3268.6 | 3256.2 | 3242.6 | 3205.3 | 3124.0 | 2986.2 | 2784.1 | 2595.4 | 2428.3 | 2274.7 | 2122.2 |
| 37.5° | 3347.6 | 3335.2 | 3316.0 | 3268.6 | 3168.1 | 3002.0 | 2782.9 | 2589.8 | 2420.4 | 2270.2 | 2125.6 |
| 40°   | 3382.7 | 3370.2 | 3349.9 | 3290.0 | 3176.0 | 2993.0 | 2761.5 | 2563.8 | 2396.7 | 2246.4 | 2112.0 |
| 42.5° | 3369.1 | 3360.1 | 3334.1 | 3276.5 | 3151.1 | 2952.3 | 2718.5 | 2515.2 | 2351.5 | 2208.0 | 2081.5 |
| 45°   | 3317.1 | 3310.4 | 3285.5 | 3224.5 | 3094.6 | 2886.8 | 2655.3 | 2454.3 | 2297.3 | 2160.6 | 2040.9 |
| 47.5° | 3239.2 | 3237.0 | 3212.1 | 3152.3 | 3023.5 | 2821.3 | 2589.8 | 2394.4 | 2243.1 | 2114.3 | 2007.0 |
| 50°   | 3153.4 | 3142.1 | 3129.7 | 3074.3 | 2956.9 | 2764.9 | 2542.4 | 2357.1 | 2212.6 | 2097.4 | 1992.3 |
| 52.5° | 3099.2 | 3095.8 | 3084.5 | 3034.8 | 2921.8 | 2732.1 | 2520.9 | 2343.6 | 2210.3 | 2094.0 | 1984.4 |
| 55°   | 3580.3 | 3588.2 | 3484.3 | 3268.6 | 3078.8 | 2822.5 | 2585.3 | 2412.5 | 2265.6 | 2148.2 | 2068.0 |
| 57.5° | 5295.9 | 5260.9 | 5082.5 | 4654.4 | 4171.0 | 3532.9 | 3073.2 | 2794.2 | 2612.4 | 2632.7 | 2673.4 |
| 60°   | 6170.1 | 6163.3 | 6130.6 | 5964.5 | 5642.7 | 5157.0 | 4618.3 | 4000.5 | 3803.9 | 3825.4 | 3841.2 |
| 62.5° | 6560.9 | 6571.0 | 6595.9 | 6533.8 | 6449.1 | 6307.9 | 6039.1 | 5790.6 | 5527.5 | 5429.2 | 5166.0 |
| 65°   | 6741.6 | 6759.7 | 6816.1 | 6851.1 | 6883.9 | 6908.7 | 7014.9 | 7306.3 | 7498.3 | 7139.2 | 6303.4 |
| 67.5° | 6367.7 | 6454.7 | 6641.1 | 6822.9 | 6985.6 | 7217.1 | 7576.2 | 8252.8 | 8723.7 | 8282.1 | 7070.3 |
| 70°   | 4642.0 | 4760.6 | 4974.0 | 5536.5 | 6137.3 | 6662.5 | 7358.3 | 8388.3 | 9098.7 | 8757.6 | 7260.0 |
| 72.5° | 2910.6 | 2943.3 | 3038.2 | 3244.9 | 3691.0 | 4365.3 | 5581.7 | 7126.7 | 7946.7 | 7674.5 | 6136.2 |
| 75°   | 1846.6 | 1857.9 | 1854.5 | 1902.0 | 1977.6 | 2124.5 | 2605.6 | 4209.4 | 5443.9 | 5019.2 | 3419.9 |
| 77.5° | 1100.1 | 1117.0 | 1123.8 | 1138.5 | 1174.6 | 1226.6 | 1266.1 | 1432.1 | 2282.6 | 2215.9 | 1241.2 |
| 80°   | 921.6  | 935.2  | 923.9  | 920.5  | 897.9  | 882.1  | 901.3  | 882.1  | 818.8  | 788.3  | 726.2  |
| 82.5° | 487.9  | 486.8  | 483.4  | 516.2  | 582.8  | 634.7  | 674.3  | 665.2  | 602.0  | 512.8  | 434.8  |
| 85°   | 267.7  | 276.7  | 276.7  | 288.0  | 277.8  | 279.0  | 288.0  | 303.8  | 281.2  | 234.9  | 192.0  |
| 87.5° | 22.6   | 35.0   | 28.2   | 35.0   | 47.4   | 33.9   | 32.8   | 32.8   | 28.2   | 20.3   | 18.1   |
| 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°    | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 |
| 2.5°  | 2145.9 | 2143.7 | 2139.1 | 2135.8 | 2135.8 | 2130.1 | 2126.7 | 2124.5 | 2123.3 | 2118.8 | 2118.8 |
| 5°    | 2139.1 | 2131.2 | 2123.3 | 2117.7 | 2114.3 | 2108.7 | 2099.6 | 2095.1 | 2089.5 | 2084.9 | 2082.7 |
| 7.5°  | 2124.5 | 2109.8 | 2097.4 | 2088.3 | 2077.0 | 2068.0 | 2056.7 | 2046.5 | 2036.4 | 2031.9 | 2029.6 |
| 10°   | 2101.9 | 2082.7 | 2063.5 | 2046.5 | 2030.7 | 2014.9 | 2000.2 | 1985.5 | 1973.1 | 1964.1 | 1955.1 |
| 12.5° | 2080.4 | 2051.1 | 2026.2 | 2001.4 | 1976.5 | 1957.3 | 1937.0 | 1915.5 | 1897.4 | 1880.5 | 1876.0 |
| 15°   | 2051.1 | 2017.2 | 1985.5 | 1955.1 | 1924.6 | 1892.9 | 1868.1 | 1844.4 | 1815.0 | 1795.8 | 1781.1 |
| 17.5° | 2023.9 | 1983.3 | 1944.9 | 1908.7 | 1871.5 | 1838.7 | 1801.4 | 1769.8 | 1740.5 | 1711.1 | 1689.6 |
| 20°   | 1994.6 | 1950.5 | 1909.9 | 1869.2 | 1828.6 | 1786.8 | 1743.8 | 1703.2 | 1667.0 | 1632.0 | 1597.0 |
| 22.5° | 1968.6 | 1923.4 | 1883.9 | 1839.8 | 1794.7 | 1747.2 | 1697.5 | 1646.7 | 1604.9 | 1559.7 | 1519.1 |
| 25°   | 1952.8 | 1903.1 | 1862.4 | 1819.5 | 1769.8 | 1717.9 | 1661.4 | 1601.5 | 1550.7 | 1498.8 | 1450.2 |
| 27.5° | 1952.8 | 1888.4 | 1846.6 | 1803.7 | 1752.9 | 1697.5 | 1635.4 | 1569.9 | 1512.3 | 1454.7 | 1394.9 |
| 30°   | 1969.7 | 1890.7 | 1834.2 | 1789.0 | 1737.1 | 1677.2 | 1608.3 | 1539.4 | 1476.2 | 1408.4 | 1350.8 |
| 32.5° | 1985.5 | 1895.2 | 1825.2 | 1767.6 | 1707.7 | 1649.0 | 1578.9 | 1505.5 | 1435.5 | 1371.1 | 1310.1 |
| 35°   | 1995.7 | 1895.2 | 1808.2 | 1734.8 | 1667.0 | 1609.4 | 1540.5 | 1467.1 | 1396.0 | 1332.7 | 1276.3 |
| 37.5° | 1996.8 | 1886.2 | 1781.1 | 1697.5 | 1626.4 | 1566.5 | 1501.0 | 1432.1 | 1364.4 | 1305.6 | 1258.2 |
| 40°   | 1985.5 | 1868.1 | 1754.0 | 1658.0 | 1583.5 | 1522.5 | 1462.6 | 1400.5 | 1339.5 | 1290.9 | 1250.3 |
| 42.5° | 1965.2 | 1848.9 | 1728.0 | 1626.4 | 1548.5 | 1485.2 | 1429.9 | 1376.8 | 1323.7 | 1281.9 | 1248.0 |
| 45°   | 1934.7 | 1822.9 | 1704.3 | 1607.2 | 1530.4 | 1463.7 | 1409.5 | 1365.5 | 1320.3 | 1285.3 | 1251.4 |
| 47.5° | 1907.6 | 1813.9 | 1712.2 | 1619.6 | 1539.4 | 1470.5 | 1415.2 | 1377.9 | 1342.9 | 1319.2 | 1272.9 |
| 50°   | 1902.0 | 1809.4 | 1715.6 | 1629.8 | 1548.5 | 1478.4 | 1429.9 | 1410.7 | 1400.5 | 1385.8 | 1314.7 |
| 52.5° | 1886.2 | 1808.2 | 1740.5 | 1693.0 | 1641.1 | 1608.3 | 1557.5 | 1575.6 | 1564.3 | 1512.3 | 1383.6 |
| 55°   | 2052.2 | 2074.8 | 2138.0 | 2228.4 | 2312.0 | 2331.2 | 2325.5 | 2304.0 | 2190.0 | 1883.9 | 1549.6 |
| 57.5° | 2821.3 | 2949.0 | 3068.7 | 3121.8 | 3115.0 | 3055.1 | 3012.2 | 2925.2 | 2760.3 | 2387.6 | 1877.1 |
| 60°   | 3889.8 | 3910.1 | 3846.9 | 3753.1 | 3595.0 | 3462.8 | 3321.7 | 3159.0 | 2919.6 | 2554.8 | 2078.2 |
| 62.5° | 4873.5 | 4600.2 | 4319.0 | 4054.7 | 3814.1 | 3604.0 | 3407.5 | 3180.5 | 2868.8 | 2488.1 | 2052.2 |
| 65°   | 5568.1 | 4989.8 | 4546.0 | 4166.5 | 3826.5 | 3532.9 | 3287.8 | 2993.0 | 2641.7 | 2298.4 | 1902.0 |
| 67.5° | 5926.1 | 5039.5 | 4358.5 | 3829.9 | 3347.6 | 2941.0 | 2614.6 | 2327.8 | 2066.9 | 1916.6 | 1664.8 |
| 70°   | 5526.3 | 4277.2 | 3328.4 | 2731.0 | 2153.8 | 1726.9 | 1364.4 | 1145.2 | 1069.6 | 1211.9 | 1260.4 |
| 72.5° | 4117.9 | 2784.1 | 1979.9 | 1531.5 | 1173.5 | 935.2  | 717.2  | 563.6  | 458.6  | 481.1  | 624.6  |
| 75°   | 1947.1 | 1201.7 | 849.3  | 646.0  | 513.9  | 425.8  | 347.9  | 318.5  | 266.5  | 221.4  | 207.8  |
| 77.5° | 757.9  | 552.3  | 456.3  | 334.3  | 237.2  | 190.9  | 162.6  | 157.0  | 160.4  | 155.9  | 153.6  |
| 80°   | 577.1  | 390.8  | 245.1  | 179.6  | 154.7  | 136.7  | 120.8  | 116.3  | 118.6  | 124.2  | 129.9  |
| 82.5° | 321.9  | 201.0  | 149.1  | 129.9  | 116.3  | 99.4   | 90.4   | 83.6   | 84.7   | 91.5   | 103.9  |
| 85°   | 124.2  | 97.1   | 89.2   | 85.8   | 80.2   | 64.4   | 55.3   | 56.5   | 64.4   | 76.8   | 76.8   |
| 87.5° | 13.6   | 13.6   | 18.1   | 13.6   | 13.6   | 13.6   | 12.4   | 14.7   | 15.8   | 20.3   | 23.7   |
| 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):**

|       | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   | 160°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 | 2135.8 |
| 2.5°  | 2116.6 | 2116.6 | 2116.6 | 2114.3 | 2115.4 | 2110.9 | 2110.9 | 2107.5 | 2113.2 | 2109.8 | 2108.7 |
| 5°    | 2083.8 | 2082.7 | 2078.2 | 2078.2 | 2078.2 | 2078.2 | 2081.5 | 2072.5 | 2079.3 | 2079.3 | 2075.9 |
| 7.5°  | 2028.5 | 2028.5 | 2016.0 | 2022.8 | 2020.6 | 2023.9 | 2028.5 | 2023.9 | 2030.7 | 2035.2 | 2031.9 |
| 10°   | 1951.7 | 1951.7 | 1941.5 | 1949.4 | 1946.0 | 1953.9 | 1961.8 | 1957.3 | 1961.8 | 1968.6 | 1970.9 |
| 12.5° | 1867.0 | 1862.4 | 1853.4 | 1856.8 | 1856.8 | 1861.3 | 1864.7 | 1870.3 | 1876.0 | 1885.0 | 1889.5 |
| 15°   | 1768.7 | 1761.9 | 1750.6 | 1750.6 | 1743.8 | 1746.1 | 1752.9 | 1755.1 | 1766.4 | 1778.9 | 1793.5 |
| 17.5° | 1668.2 | 1651.2 | 1638.8 | 1624.1 | 1612.8 | 1621.9 | 1629.8 | 1635.4 | 1644.5 | 1663.7 | 1673.8 |
| 20°   | 1573.3 | 1539.4 | 1515.7 | 1496.5 | 1484.1 | 1489.7 | 1499.9 | 1506.7 | 1514.6 | 1519.1 | 1522.5 |
| 22.5° | 1479.6 | 1441.2 | 1408.4 | 1384.7 | 1364.4 | 1370.0 | 1365.5 | 1362.1 | 1367.7 | 1353.1 | 1351.9 |
| 25°   | 1398.2 | 1353.1 | 1309.0 | 1280.8 | 1255.9 | 1248.0 | 1224.3 | 1218.7 | 1202.8 | 1190.4 | 1181.4 |
| 27.5° | 1339.5 | 1280.8 | 1232.2 | 1199.5 | 1159.9 | 1130.6 | 1100.1 | 1069.6 | 1052.6 | 1032.3 | 1022.1 |
| 30°   | 1293.2 | 1231.1 | 1173.5 | 1118.1 | 1066.2 | 1021.0 | 980.3  | 940.8  | 913.7  | 884.3  | 865.1  |
| 32.5° | 1250.3 | 1192.7 | 1122.7 | 1047.0 | 977.0  | 926.1  | 873.1  | 827.9  | 785.0  | 746.6  | 718.3  |
| 35°   | 1220.9 | 1156.5 | 1067.3 | 974.7  | 895.6  | 835.8  | 779.3  | 714.9  | 663.0  | 613.3  | 582.8  |
| 37.5° | 1205.1 | 1126.0 | 1016.5 | 913.7  | 825.6  | 757.9  | 687.8  | 613.3  | 550.0  | 503.7  | 457.4  |
| 40°   | 1192.7 | 1095.6 | 971.3  | 859.5  | 766.9  | 685.6  | 604.2  | 516.2  | 446.1  | 397.6  | 361.4  |
| 42.5° | 1179.1 | 1061.7 | 931.8  | 816.6  | 713.8  | 618.9  | 520.7  | 426.9  | 360.3  | 326.4  | 310.6  |
| 45°   | 1164.4 | 1032.3 | 894.5  | 775.9  | 661.8  | 546.6  | 433.7  | 346.7  | 307.2  | 295.9  | 295.9  |
| 47.5° | 1161.1 | 1013.1 | 867.4  | 736.4  | 603.1  | 463.1  | 353.5  | 299.3  | 288.0  | 290.3  | 294.8  |
| 50°   | 1174.6 | 1007.5 | 843.7  | 690.1  | 525.2  | 375.0  | 299.3  | 281.2  | 283.5  | 290.3  | 297.0  |
| 52.5° | 1207.4 | 1012.0 | 818.8  | 625.7  | 432.6  | 309.5  | 276.7  | 275.6  | 282.4  | 292.5  | 299.3  |
| 55°   | 1262.7 | 1012.0 | 771.4  | 529.7  | 345.6  | 277.8  | 268.8  | 273.3  | 282.4  | 291.4  | 297.0  |
| 57.5° | 1381.3 | 1001.8 | 687.8  | 423.5  | 289.1  | 266.5  | 266.5  | 272.2  | 280.1  | 289.1  | 293.7  |
| 60°   | 1522.5 | 988.3  | 570.4  | 327.5  | 260.9  | 257.5  | 265.4  | 272.2  | 279.0  | 286.9  | 291.4  |
| 62.5° | 1531.5 | 953.2  | 451.8  | 271.1  | 246.2  | 251.9  | 264.3  | 273.3  | 275.6  | 281.2  | 286.9  |
| 65°   | 1407.3 | 831.3  | 359.2  | 242.8  | 239.4  | 248.5  | 260.9  | 267.7  | 268.8  | 271.1  | 276.7  |
| 67.5° | 1232.2 | 677.7  | 290.3  | 229.3  | 232.7  | 242.8  | 249.6  | 255.3  | 258.6  | 264.3  | 265.4  |
| 70°   | 1012.0 | 544.4  | 248.5  | 215.7  | 219.1  | 230.4  | 236.1  | 241.7  | 248.5  | 255.3  | 251.9  |
| 72.5° | 717.2  | 423.5  | 218.0  | 201.0  | 205.6  | 215.7  | 222.5  | 227.0  | 232.7  | 239.4  | 234.9  |
| 75°   | 304.9  | 295.9  | 188.6  | 181.8  | 188.6  | 195.4  | 202.2  | 208.9  | 214.6  | 218.0  | 218.0  |
| 77.5° | 155.9  | 173.9  | 162.6  | 162.6  | 167.2  | 173.9  | 179.6  | 186.4  | 189.7  | 193.1  | 197.7  |
| 80°   | 132.1  | 134.4  | 136.7  | 141.2  | 145.7  | 152.5  | 158.1  | 163.8  | 164.9  | 166.0  | 168.3  |
| 82.5° | 109.6  | 114.1  | 116.3  | 123.1  | 126.5  | 128.8  | 132.1  | 132.1  | 134.4  | 134.4  | 131.0  |
| 85°   | 79.1   | 84.7   | 88.1   | 89.2   | 88.1   | 89.2   | 90.4   | 92.6   | 98.3   | 98.3   | 93.7   |
| 87.5° | 22.6   | 21.5   | 27.1   | 28.2   | 30.5   | 35.0   | 39.5   | 47.4   | 49.7   | 52.0   | 52.0   |
| 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°    | 2135.8 | 2135.8 | 2135.8 | 2135.8 |
| 2.5°  | 2107.5 | 2109.8 | 2105.3 | 2106.4 |
| 5°    | 2075.9 | 2080.4 | 2074.8 | 2081.5 |
| 7.5°  | 2035.2 | 2042.0 | 2040.9 | 2039.8 |
| 10°   | 1976.5 | 1985.5 | 1985.5 | 1988.9 |
| 12.5° | 1902.0 | 1907.6 | 1912.1 | 1914.4 |
| 15°   | 1801.4 | 1811.6 | 1817.3 | 1817.3 |
| 17.5° | 1680.6 | 1687.4 | 1690.8 | 1686.2 |
| 20°   | 1527.0 | 1524.7 | 1525.9 | 1514.6 |
| 22.5° | 1349.7 | 1353.1 | 1342.9 | 1345.2 |
| 25°   | 1175.7 | 1170.1 | 1174.6 | 1167.8 |
| 27.5° | 1007.5 | 1008.6 | 996.2  | 1001.8 |
| 30°   | 847.1  | 841.4  | 825.6  | 833.5  |
| 32.5° | 692.3  | 677.7  | 660.7  | 650.6  |
| 35°   | 546.6  | 524.1  | 516.2  | 512.8  |
| 37.5° | 429.2  | 404.3  | 396.4  | 387.4  |
| 40°   | 341.1  | 332.1  | 328.7  | 330.9  |
| 42.5° | 306.1  | 306.1  | 308.3  | 309.5  |
| 45°   | 297.0  | 300.4  | 303.8  | 304.9  |
| 47.5° | 298.2  | 301.6  | 306.1  | 307.2  |
| 50°   | 300.4  | 303.8  | 307.2  | 308.3  |
| 52.5° | 301.6  | 301.6  | 303.8  | 304.9  |
| 55°   | 299.3  | 298.2  | 299.3  | 300.4  |
| 57.5° | 294.8  | 292.5  | 293.7  | 297.0  |
| 60°   | 292.5  | 289.1  | 291.4  | 293.7  |
| 62.5° | 286.9  | 285.7  | 288.0  | 289.1  |
| 65°   | 274.5  | 275.6  | 279.0  | 279.0  |
| 67.5° | 263.2  | 264.3  | 265.4  | 266.5  |
| 70°   | 249.6  | 250.7  | 253.0  | 254.1  |
| 72.5° | 233.8  | 238.3  | 241.7  | 246.2  |
| 75°   | 221.4  | 225.9  | 232.7  | 237.2  |
| 77.5° | 199.9  | 203.3  | 211.2  | 216.9  |
| 80°   | 169.4  | 168.3  | 169.4  | 172.8  |
| 82.5° | 129.9  | 129.9  | 128.8  | 127.6  |
| 85°   | 91.5   | 90.4   | 87.0   | 87.0   |
| 87.5° | 49.7   | 48.6   | 47.4   | 45.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)