

Scaled data based on original data using  
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1462051

Luminaire Tested: PRV-P-70-8540-U-T4W

Issue Date: 06/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1462051  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 6/11/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: PRV-P-70-8540-U-T4W  
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE IV WIDE DISTRIBUTION OPTIC  
Light Source: (20) 4000k CCT, 85 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8650.8 lumens  
Efficiency: N/A  
Efficacy: 116.9 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

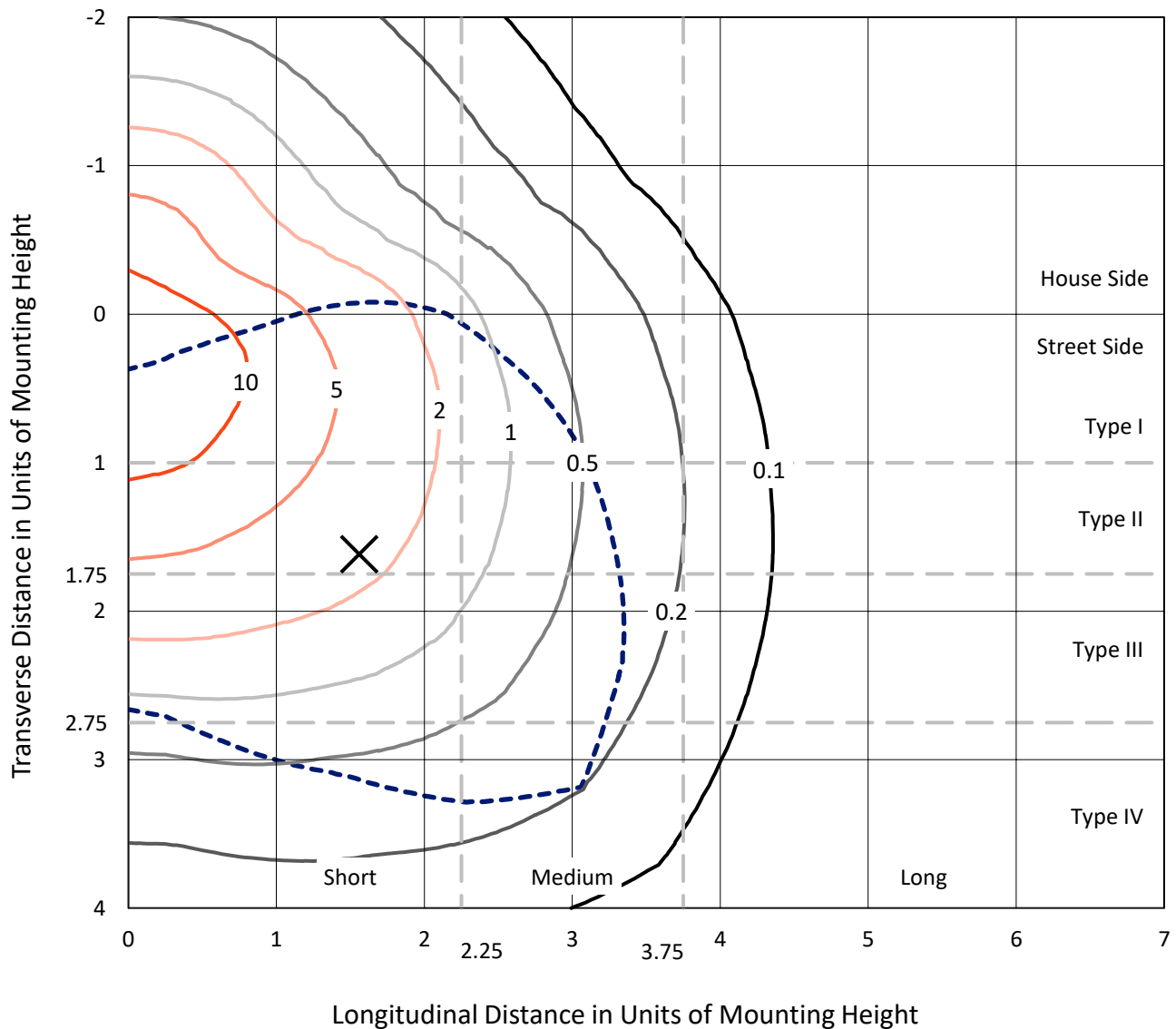
Input Watts (W): 74  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: 0.97  
Total Harmonic Distortion (THDi): 8.0%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT

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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

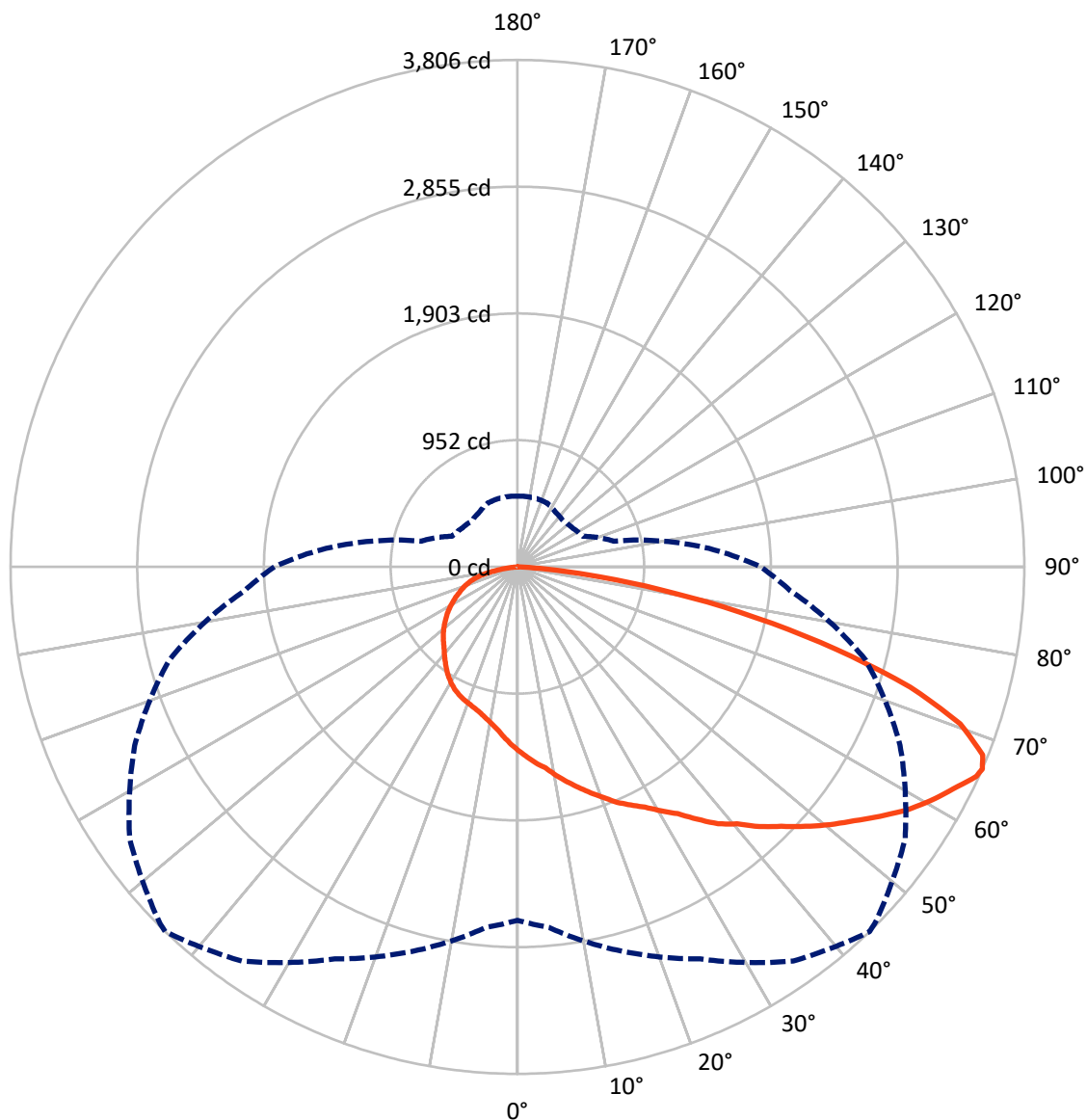


Based on 10 foot mounting height. Maximum calculated value = 16.2 fc  
 Type IV - Short - N/A

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## Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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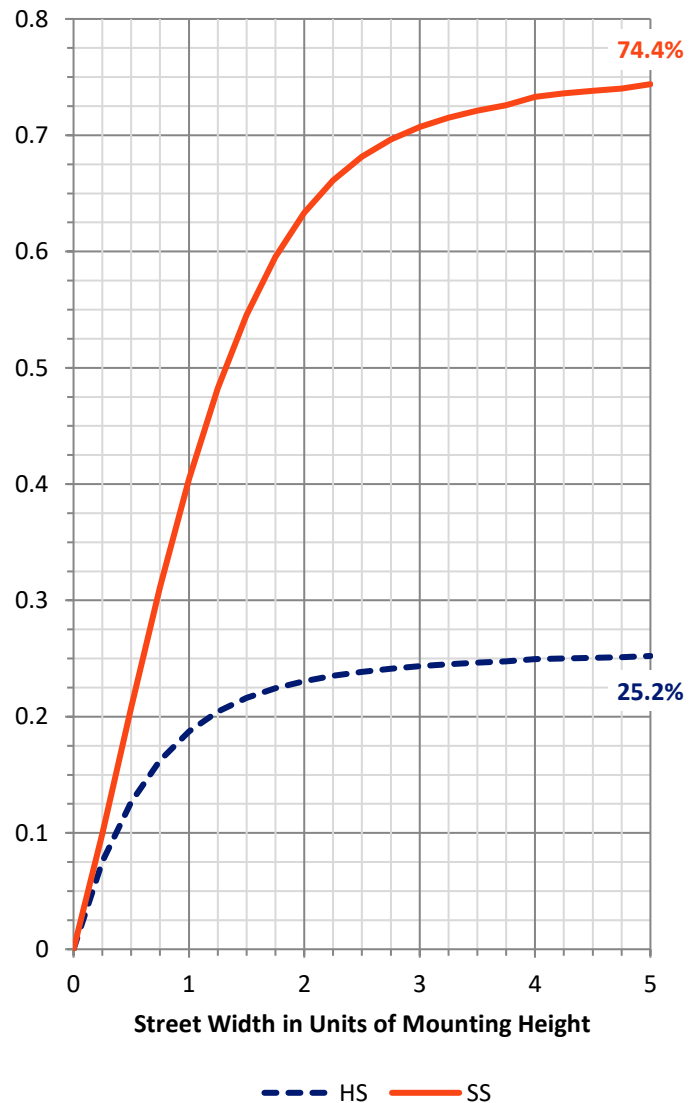
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2192.4   | 0.0    | 2192.4 |
|                    | % Fixture | 25.3     | 0.0    | 25.3   |
| <b>Street Side</b> | Lumens    | 6458.4   | 0.0    | 6458.4 |
|                    | % Fixture | 74.7     | 0.0    | 74.7   |
| <b>Total</b>       | Lumens    | 8650.8   | 0.0    | 8650.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 132.0  | 1.5       |
| 10°-20°   | 406.6  | 4.7       |
| 20°-30°   | 705.7  | 8.2       |
| 30°-40°   | 1052.8 | 12.2      |
| 40°-50°   | 1440.0 | 16.6      |
| 50°-60°   | 1797.5 | 20.8      |
| 60°-70°   | 1860.0 | 21.5      |
| 70°-80°   | 1082.1 | 12.5      |
| 80°-90°   | 174.2  | 2.0       |
| 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°    | 8650.8 | 100.0     |
| 0°-180°   | 8650.8 | 100.0     |

**Coefficient of Utilization**



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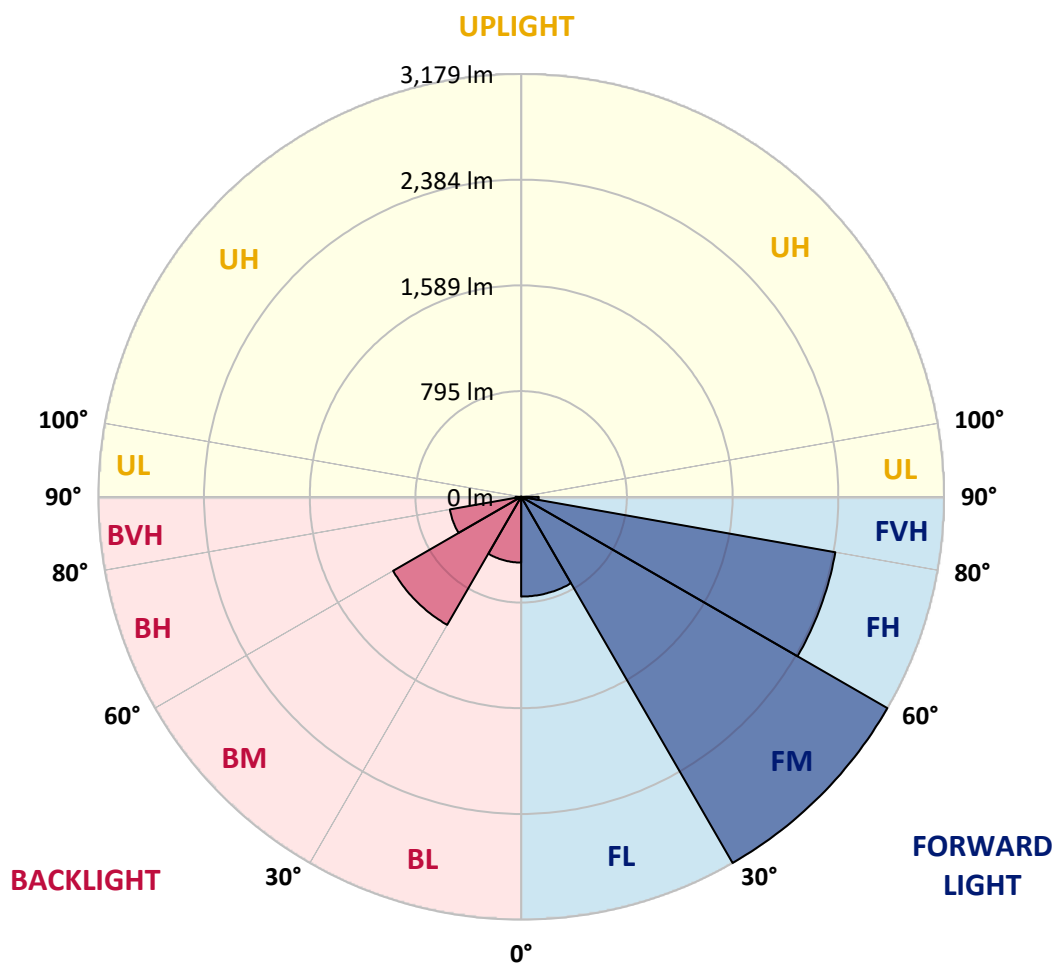
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 750.1  | 8.7       |                         |      |         |
| FM   | (30°-60°)   | 3178.5 | 36.7      |                         |      |         |
| FH   | (60°-80°)   | 2398.2 | 27.7      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 131.6  | 1.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 494.2  | 5.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1111.7 | 12.9      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 543.9  | 6.3       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 42.6   | 0.5       |                         |      | 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°     | 15°    | 25°    | 35°    | 44°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 |
| 2.5°  | 1443.9 | 1443.9 | 1446.7 | 1443.9 | 1436.9 | 1429.9 | 1429.9 | 1424.3 | 1404.7 | 1401.9 | 1386.6 |
| 5°    | 1508.2 | 1512.4 | 1508.2 | 1502.6 | 1497.0 | 1481.6 | 1480.2 | 1462.0 | 1432.7 | 1411.7 | 1392.2 |
| 7.5°  | 1568.3 | 1575.3 | 1575.3 | 1568.3 | 1548.7 | 1523.5 | 1524.9 | 1504.0 | 1462.0 | 1431.3 | 1403.3 |
| 10°   | 1652.1 | 1649.3 | 1653.5 | 1635.4 | 1617.2 | 1590.6 | 1579.4 | 1547.3 | 1502.6 | 1463.4 | 1417.3 |
| 12.5° | 1738.8 | 1730.4 | 1731.8 | 1712.2 | 1688.5 | 1654.9 | 1642.3 | 1594.8 | 1543.1 | 1492.8 | 1435.5 |
| 15°   | 1793.3 | 1797.5 | 1801.7 | 1779.3 | 1765.3 | 1717.8 | 1708.0 | 1661.9 | 1587.8 | 1520.7 | 1453.7 |
| 17.5° | 1850.6 | 1840.8 | 1860.4 | 1840.8 | 1829.6 | 1783.5 | 1784.9 | 1717.8 | 1631.2 | 1558.5 | 1476.0 |
| 20°   | 1889.7 | 1892.5 | 1900.9 | 1899.5 | 1891.1 | 1847.8 | 1847.8 | 1793.3 | 1692.7 | 1592.0 | 1494.2 |
| 22.5° | 1931.7 | 1933.1 | 1945.7 | 1947.1 | 1935.9 | 1920.5 | 1917.7 | 1852.0 | 1752.8 | 1639.6 | 1519.3 |
| 25°   | 2004.4 | 1998.8 | 2004.4 | 1993.2 | 1994.6 | 1980.6 | 1980.6 | 1941.5 | 1826.9 | 1689.9 | 1552.9 |
| 27.5° | 2103.6 | 2105.0 | 2091.0 | 2077.0 | 2060.3 | 2042.1 | 2051.9 | 2007.2 | 1906.5 | 1752.8 | 1589.2 |
| 30°   | 2232.2 | 2235.0 | 2218.2 | 2177.7 | 2142.7 | 2124.6 | 2116.2 | 2093.8 | 1990.4 | 1817.1 | 1632.6 |
| 32.5° | 2425.1 | 2406.9 | 2374.8 | 2310.5 | 2254.6 | 2208.4 | 2211.2 | 2180.5 | 2085.4 | 1892.5 | 1674.5 |
| 35°   | 2569.1 | 2556.5 | 2531.3 | 2478.2 | 2413.9 | 2325.8 | 2325.8 | 2272.7 | 2174.9 | 1970.8 | 1717.8 |
| 37.5° | 2704.6 | 2706.0 | 2682.3 | 2616.6 | 2567.7 | 2447.4 | 2427.9 | 2356.6 | 2258.8 | 2046.3 | 1770.9 |
| 40°   | 2919.9 | 2875.2 | 2822.0 | 2756.3 | 2668.3 | 2536.9 | 2528.5 | 2458.6 | 2353.8 | 2133.0 | 1824.1 |
| 42.5° | 3049.9 | 3024.7 | 2970.2 | 2886.3 | 2780.1 | 2665.5 | 2650.1 | 2557.9 | 2455.8 | 2221.0 | 1891.1 |
| 45°   | 3227.4 | 3185.5 | 3114.2 | 3056.9 | 2886.3 | 2778.7 | 2766.1 | 2676.7 | 2567.7 | 2317.5 | 1952.6 |
| 47.5° | 3360.2 | 3267.9 | 3249.8 | 3210.6 | 3010.7 | 2910.1 | 2893.3 | 2801.1 | 2685.1 | 2437.7 | 2029.5 |
| 50°   | 3407.7 | 3356.0 | 3375.5 | 3305.7 | 3122.6 | 3041.5 | 3035.9 | 2940.9 | 2802.5 | 2542.5 | 2099.4 |
| 52.5° | 3424.5 | 3437.1 | 3458.0 | 3361.6 | 3231.6 | 3167.3 | 3161.7 | 3070.8 | 2921.3 | 2640.3 | 2163.7 |
| 55°   | 3519.5 | 3516.7 | 3544.7 | 3446.8 | 3368.6 | 3304.3 | 3295.9 | 3216.2 | 3028.9 | 2725.6 | 2221.0 |
| 57.5° | 3606.2 | 3571.2 | 3603.4 | 3529.3 | 3495.8 | 3445.4 | 3444.0 | 3350.4 | 3132.3 | 2795.5 | 2254.6 |
| 60°   | 3574.0 | 3523.7 | 3579.6 | 3519.5 | 3564.2 | 3564.2 | 3576.8 | 3458.0 | 3213.4 | 2854.2 | 2271.3 |
| 62.5° | 3304.3 | 3302.9 | 3432.9 | 3451.0 | 3606.2 | 3671.9 | 3657.9 | 3523.7 | 3251.2 | 2861.2 | 2244.8 |
| 65°   | 2850.0 | 2903.1 | 3144.9 | 3335.0 | 3623.0 | 3789.3 | 3775.3 | 3550.3 | 3207.8 | 2764.7 | 2139.9 |
| 66°   | 2652.9 | 2717.2 | 2984.2 | 3247.0 | 3611.8 | 3806.1 | 3792.1 | 3554.5 | 3170.1 | 2707.4 | 2057.5 |
| 67.5° | 2310.5 | 2381.8 | 2724.2 | 3093.2 | 3539.1 | 3768.3 | 3773.9 | 3532.1 | 3056.9 | 2564.9 | 1934.5 |
| 70°   | 1764.0 | 1839.4 | 2249.0 | 2673.9 | 3251.2 | 3526.5 | 3525.1 | 3295.9 | 2777.3 | 2242.0 | 1636.8 |
| 72.5° | 1276.1 | 1320.9 | 1748.6 | 2153.9 | 2768.9 | 3083.4 | 3101.6 | 2837.4 | 2339.8 | 1829.6 | 1292.9 |
| 75°   | 905.7  | 928.1  | 1253.8 | 1604.6 | 2138.5 | 2474.0 | 2453.0 | 2223.8 | 1789.1 | 1371.2 | 981.2  |
| 77.5° | 617.8  | 663.9  | 890.4  | 1123.8 | 1531.9 | 1829.6 | 1798.9 | 1544.5 | 1269.2 | 963.0  | 715.6  |
| 80°   | 385.8  | 412.3  | 546.5  | 694.7  | 978.4  | 1197.9 | 1203.5 | 1016.2 | 800.9  | 656.9  | 525.6  |
| 82.5° | 212.5  | 223.6  | 318.7  | 384.4  | 478.0  | 630.4  | 654.1  | 610.8  | 497.6  | 429.1  | 369.0  |
| 85°   | 58.7   | 58.7   | 99.2   | 113.2  | 152.4  | 211.1  | 211.1  | 220.8  | 194.3  | 153.8  | 118.8  |
| 87.5° | 2.8    | 2.8    | 2.8    | 4.2    | 4.2    | 4.2    | 4.2    | 7.0    | 5.6    | 2.8    | 2.8    |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 | 1381.0 |
| 2.5°  | 1379.6 | 1375.4 | 1364.2 | 1354.4 | 1341.8 | 1334.8 | 1325.1 | 1316.7 | 1313.9 | 1305.5 | 1305.5 |
| 5°    | 1375.4 | 1368.4 | 1337.6 | 1318.1 | 1301.3 | 1281.7 | 1271.9 | 1258.0 | 1252.4 | 1242.6 | 1244.0 |
| 7.5°  | 1381.0 | 1367.0 | 1325.1 | 1287.3 | 1260.8 | 1231.4 | 1216.0 | 1207.7 | 1197.9 | 1189.5 | 1186.7 |
| 10°   | 1390.8 | 1368.4 | 1313.9 | 1262.2 | 1218.8 | 1190.9 | 1171.3 | 1157.3 | 1155.9 | 1151.7 | 1150.3 |
| 12.5° | 1400.5 | 1369.8 | 1306.9 | 1242.6 | 1195.1 | 1160.1 | 1137.8 | 1126.6 | 1129.4 | 1136.4 | 1133.6 |
| 15°   | 1415.9 | 1378.2 | 1294.3 | 1216.0 | 1164.3 | 1129.4 | 1115.4 | 1109.8 | 1123.8 | 1129.4 | 1130.8 |
| 17.5° | 1425.7 | 1382.4 | 1278.9 | 1192.3 | 1135.0 | 1107.0 | 1100.0 | 1105.6 | 1118.2 | 1135.0 | 1137.8 |
| 20°   | 1438.3 | 1385.2 | 1263.6 | 1167.1 | 1108.4 | 1088.8 | 1094.4 | 1108.4 | 1125.2 | 1147.5 | 1151.7 |
| 22.5° | 1456.4 | 1392.2 | 1255.2 | 1137.8 | 1080.5 | 1072.1 | 1088.8 | 1112.6 | 1130.8 | 1158.7 | 1161.5 |
| 25°   | 1478.8 | 1404.7 | 1234.2 | 1108.4 | 1048.3 | 1051.1 | 1083.3 | 1114.0 | 1132.2 | 1158.7 | 1167.1 |
| 27.5° | 1508.2 | 1418.7 | 1220.2 | 1074.9 | 1017.6 | 1030.1 | 1067.9 | 1107.0 | 1129.4 | 1155.9 | 1164.3 |
| 30°   | 1536.1 | 1431.3 | 1204.9 | 1039.9 | 981.2  | 1000.8 | 1046.9 | 1087.4 | 1114.0 | 1137.8 | 1150.3 |
| 32.5° | 1569.7 | 1450.9 | 1190.9 | 1010.6 | 947.7  | 968.6  | 1019.0 | 1069.3 | 1097.2 | 1121.0 | 1130.8 |
| 35°   | 1601.8 | 1470.4 | 1183.9 | 981.2  | 914.1  | 933.7  | 984.0  | 1042.7 | 1073.5 | 1088.8 | 1105.6 |
| 37.5° | 1642.3 | 1499.8 | 1179.7 | 956.1  | 879.2  | 893.2  | 950.5  | 1012.0 | 1044.1 | 1059.5 | 1074.9 |
| 40°   | 1694.1 | 1540.3 | 1181.1 | 930.9  | 842.8  | 854.0  | 915.5  | 982.6  | 1019.0 | 1025.9 | 1039.9 |
| 42.5° | 1744.4 | 1576.7 | 1183.9 | 907.1  | 810.7  | 816.3  | 880.6  | 949.1  | 979.8  | 985.4  | 999.4  |
| 45°   | 1800.3 | 1627.0 | 1183.9 | 877.8  | 777.1  | 785.5  | 847.0  | 912.7  | 947.7  | 950.5  | 961.6  |
| 47.5° | 1861.8 | 1675.9 | 1178.3 | 847.0  | 745.0  | 753.4  | 813.5  | 870.8  | 902.9  | 907.1  | 918.3  |
| 50°   | 1923.3 | 1715.0 | 1165.7 | 809.3  | 712.8  | 724.0  | 774.3  | 827.5  | 849.8  | 856.8  | 865.2  |
| 52.5° | 1982.0 | 1750.0 | 1135.0 | 770.2  | 680.7  | 689.1  | 733.8  | 777.1  | 795.3  | 803.7  | 807.9  |
| 55°   | 2026.7 | 1773.7 | 1093.0 | 726.8  | 652.7  | 655.5  | 687.7  | 724.0  | 736.6  | 736.6  | 743.6  |
| 57.5° | 2050.5 | 1777.9 | 1034.3 | 682.1  | 620.6  | 620.6  | 643.0  | 675.1  | 680.7  | 679.3  | 680.7  |
| 60°   | 2057.5 | 1754.2 | 963.0  | 640.2  | 588.4  | 581.5  | 599.6  | 620.6  | 622.0  | 622.0  | 629.0  |
| 62.5° | 2022.5 | 1688.5 | 877.8  | 599.6  | 556.3  | 540.9  | 554.9  | 575.9  | 580.1  | 580.1  | 581.5  |
| 65°   | 1905.1 | 1548.7 | 784.1  | 559.1  | 521.4  | 503.2  | 515.8  | 542.3  | 550.7  | 549.3  | 547.9  |
| 66°   | 1825.5 | 1480.2 | 746.4  | 542.3  | 507.4  | 486.4  | 500.4  | 528.3  | 532.5  | 532.5  | 531.1  |
| 67.5° | 1689.9 | 1339.0 | 680.7  | 517.2  | 482.2  | 464.1  | 479.4  | 500.4  | 507.4  | 511.6  | 511.6  |
| 70°   | 1404.7 | 1102.8 | 595.4  | 472.4  | 438.9  | 426.3  | 437.5  | 452.9  | 457.1  | 462.7  | 459.9  |
| 72.5° | 1108.4 | 863.8  | 518.6  | 427.7  | 399.8  | 384.4  | 390.0  | 403.9  | 415.1  | 419.3  | 413.7  |
| 75°   | 841.4  | 669.5  | 451.5  | 383.0  | 356.4  | 338.3  | 338.3  | 335.5  | 335.5  | 346.6  | 331.3  |
| 77.5° | 631.8  | 529.7  | 392.8  | 325.7  | 297.7  | 278.2  | 267.0  | 269.8  | 251.6  | 237.6  | 226.4  |
| 80°   | 466.8  | 402.6  | 321.5  | 255.8  | 223.6  | 192.9  | 194.3  | 201.3  | 157.9  | 111.8  | 55.9   |
| 82.5° | 331.3  | 292.1  | 230.6  | 174.7  | 132.8  | 116.0  | 116.0  | 121.6  | 88.1   | 32.1   | 0.0    |
| 85°   | 104.8  | 100.6  | 90.9   | 65.7   | 58.7   | 44.7   | 34.9   | 32.1   | 36.3   | 7.0    | 0.0    |
| 87.5° | 2.8    | 2.8    | 2.8    | 2.8    | 1.4    | 1.4    | 1.4    | 1.4    | 0.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)