

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: P1462467

Luminaire Tested: PRV-P-70-8540-U-T2R

Issue Date: 06/10/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1462467  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 6/11/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: PRV-P-70-8540-U-T2R  
Description: PREVAIL PETITE DISCRETE LED 2 SQUARES 70W 85CRI 4000k FIXTURE w/ TYPE II ROADWAY DISTRIBUTION OPTIC  
Light Source: (20) 4000k CCT, 85 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9091 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')  
IES Classification: Type II - Medium  
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

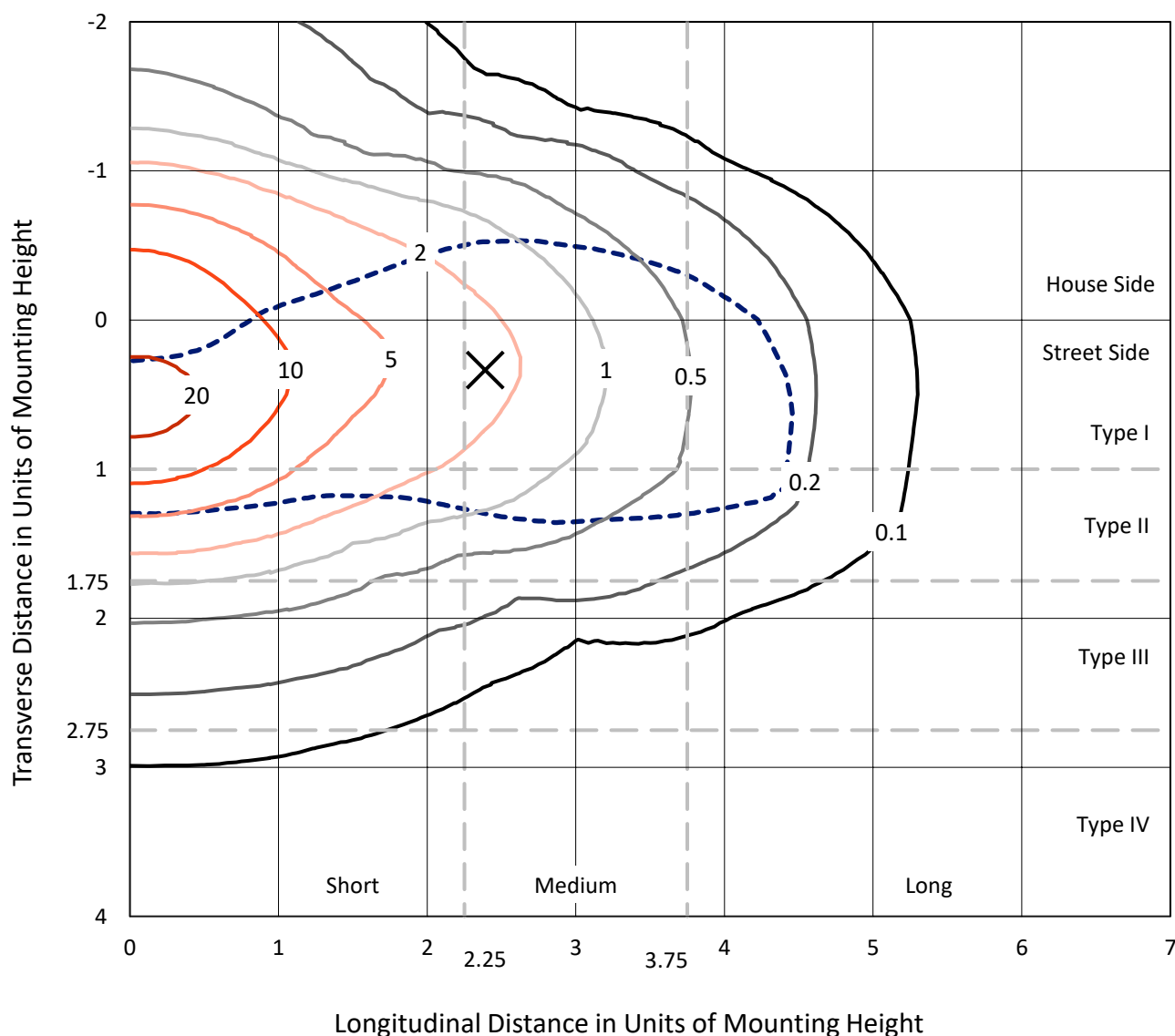
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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

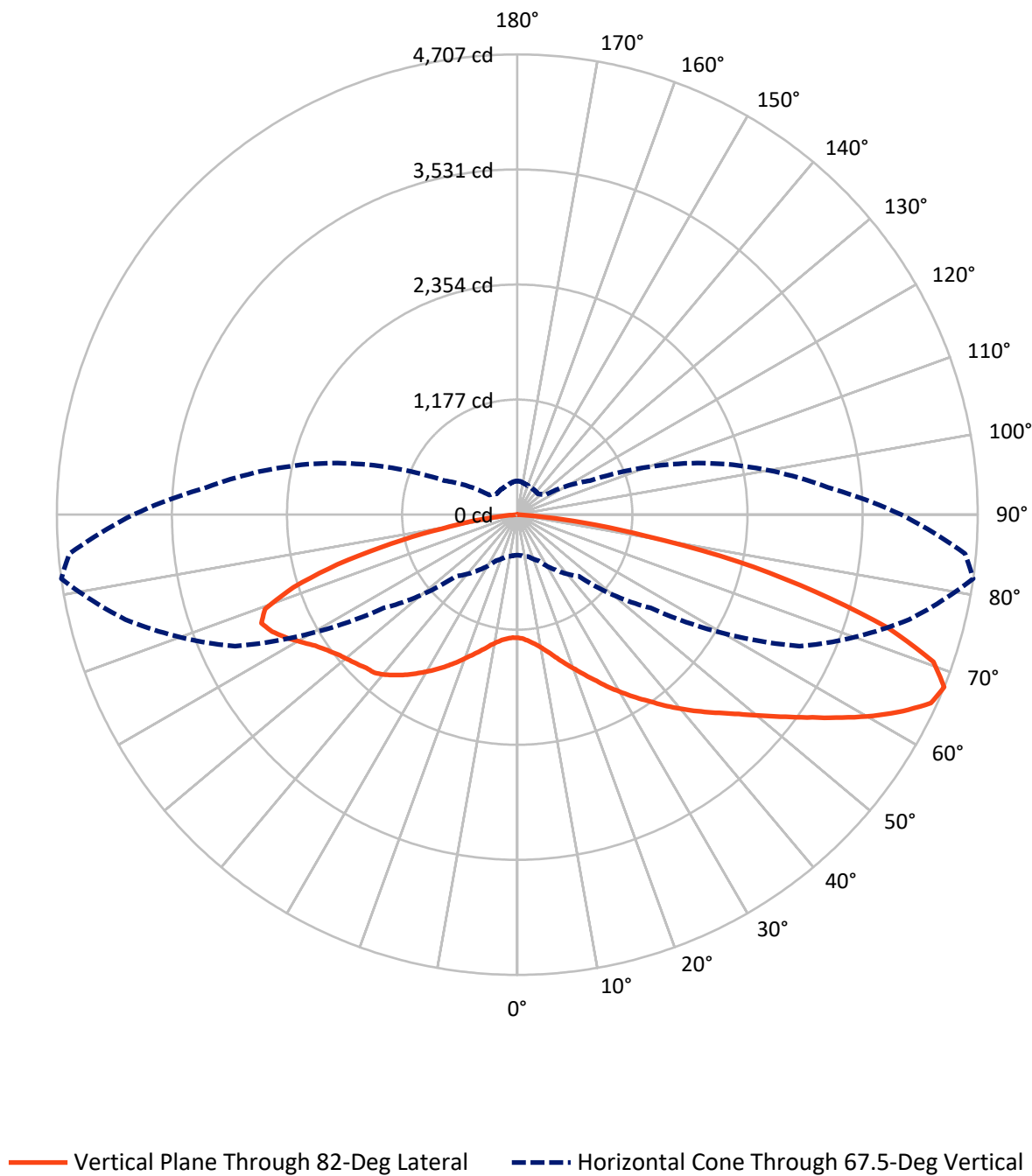


Based on 10 foot mounting height. Maximum calculated value = 24.8 fc  
 Type II - Medium - N/A

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## Luminous Intensity Polar Plot



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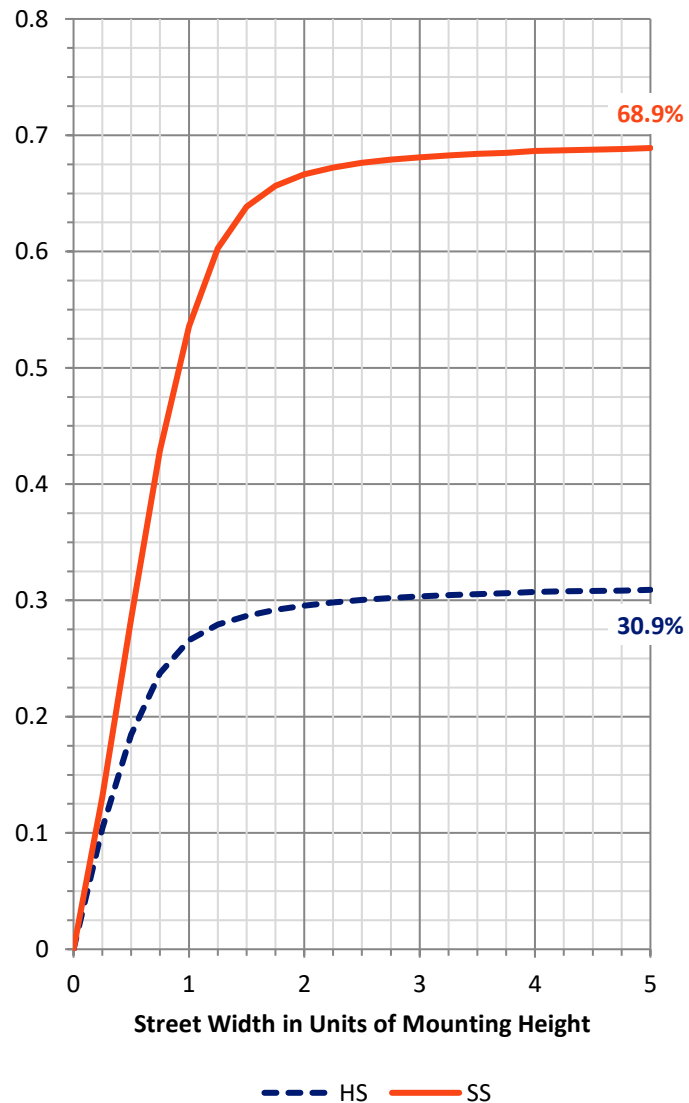
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2823.4   | 0.0    | 2823.4 |
|                    | % Fixture | 31.1     | 0.0    | 31.1   |
| <b>Street Side</b> | Lumens    | 6267.6   | 0.0    | 6267.6 |
|                    | % Fixture | 68.9     | 0.0    | 68.9   |
| <b>Total</b>       | Lumens    | 9091.0   | 0.0    | 9091.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 131.1  | 1.4       |
| 10°-20°   | 478.1  | 5.3       |
| 20°-30°   | 968.7  | 10.7      |
| 30°-40°   | 1516.3 | 16.7      |
| 40°-50°   | 1831.8 | 20.1      |
| 50°-60°   | 1725.6 | 19.0      |
| 60°-70°   | 1447.5 | 15.9      |
| 70°-80°   | 870.7  | 9.6       |
| 80°-90°   | 121.3  | 1.3       |
| 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°    | 9091.0 | 100.0     |
| 0°-180°   | 9091.0 | 100.0     |

**Coefficient of Utilization**



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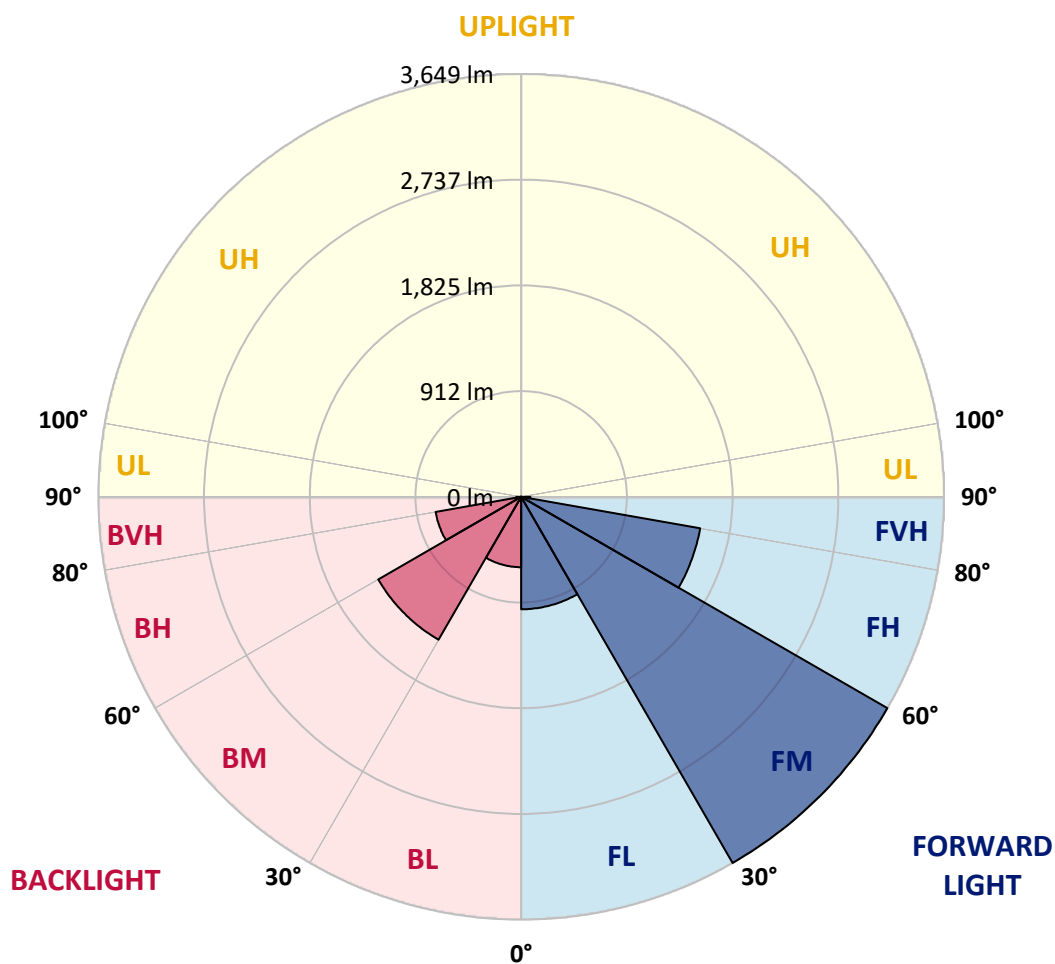
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 970.2  | 10.7      |                         |      |         |
| FM   | (30°-60°)   | 3649.3 | 40.1      |                         |      |         |
| FH   | (60°-80°)   | 1568.4 | 17.3      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 79.7   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 607.6  | 6.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1424.4 | 15.7      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 749.8  | 8.2       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 41.6   | 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 II Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 82°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 |
| 2.5°  | 1341.8 | 1340.4 | 1341.8 | 1348.8 | 1334.8 | 1327.8 | 1313.8 | 1295.7 | 1281.7 | 1271.9 | 1269.1 |
| 5°    | 1476.0 | 1484.4 | 1480.2 | 1470.4 | 1448.0 | 1418.7 | 1382.3 | 1341.8 | 1319.4 | 1302.7 | 1295.7 |
| 7.5°  | 1659.1 | 1646.5 | 1654.9 | 1625.5 | 1586.4 | 1536.1 | 1466.2 | 1417.3 | 1365.5 | 1337.6 | 1329.2 |
| 10°   | 1857.5 | 1856.1 | 1839.4 | 1808.6 | 1749.9 | 1673.0 | 1587.8 | 1502.5 | 1434.0 | 1386.5 | 1368.3 |
| 12.5° | 2071.4 | 2070.0 | 2061.6 | 2004.3 | 1930.2 | 1819.8 | 1717.8 | 1607.4 | 1499.7 | 1449.4 | 1428.4 |
| 15°   | 2282.4 | 2293.6 | 2278.2 | 2211.2 | 2116.1 | 1979.1 | 1850.6 | 1716.4 | 1594.8 | 1522.1 | 1495.5 |
| 17.5° | 2508.9 | 2507.5 | 2478.1 | 2411.0 | 2302.0 | 2160.8 | 2001.5 | 1824.0 | 1682.8 | 1603.2 | 1569.6 |
| 20°   | 2717.1 | 2740.9 | 2704.5 | 2634.7 | 2499.1 | 2345.3 | 2159.4 | 1955.4 | 1784.9 | 1688.4 | 1652.1 |
| 22.5° | 2988.3 | 2985.5 | 2951.9 | 2845.7 | 2703.1 | 2518.6 | 2314.6 | 2096.5 | 1899.5 | 1782.1 | 1737.3 |
| 25°   | 3272.0 | 3279.0 | 3232.9 | 3104.3 | 2907.2 | 2708.7 | 2473.9 | 2250.3 | 2032.3 | 1885.5 | 1838.0 |
| 27.5° | 3572.5 | 3578.1 | 3519.4 | 3364.3 | 3158.8 | 2903.0 | 2658.4 | 2399.8 | 2151.1 | 2000.1 | 1930.2 |
| 30°   | 3825.5 | 3829.7 | 3772.4 | 3614.4 | 3378.2 | 3109.9 | 2813.6 | 2550.8 | 2272.7 | 2111.9 | 2039.2 |
| 32.5° | 4037.9 | 4026.8 | 3965.3 | 3819.9 | 3599.1 | 3311.1 | 2993.9 | 2694.8 | 2416.6 | 2230.7 | 2149.7 |
| 35°   | 4141.4 | 4154.0 | 4109.2 | 3976.4 | 3772.4 | 3499.8 | 3189.5 | 2865.3 | 2549.4 | 2348.1 | 2267.1 |
| 37.5° | 4140.0 | 4152.6 | 4137.2 | 4050.5 | 3881.4 | 3648.0 | 3354.5 | 3042.8 | 2715.7 | 2483.7 | 2384.5 |
| 40°   | 4042.1 | 4058.9 | 4067.3 | 4022.6 | 3910.8 | 3744.4 | 3487.3 | 3200.7 | 2866.7 | 2617.9 | 2511.7 |
| 42.5° | 3857.6 | 3870.2 | 3896.8 | 3874.4 | 3856.2 | 3761.2 | 3590.7 | 3355.9 | 3020.4 | 2753.5 | 2631.9 |
| 45°   | 3615.8 | 3624.2 | 3650.8 | 3674.5 | 3706.7 | 3696.9 | 3635.4 | 3494.2 | 3196.5 | 2893.2 | 2752.1 |
| 47.5° | 3276.2 | 3305.6 | 3369.8 | 3452.3 | 3509.6 | 3576.7 | 3620.0 | 3585.1 | 3360.1 | 3047.0 | 2890.4 |
| 50°   | 2865.3 | 2862.5 | 2979.9 | 3115.5 | 3286.0 | 3386.6 | 3526.4 | 3646.6 | 3544.6 | 3230.1 | 3055.4 |
| 52.5° | 2262.9 | 2296.4 | 2444.6 | 2711.5 | 2993.9 | 3179.8 | 3379.6 | 3645.2 | 3719.3 | 3435.5 | 3245.5 |
| 55°   | 1675.8 | 1752.7 | 1937.2 | 2207.0 | 2603.9 | 2946.3 | 3197.9 | 3572.5 | 3880.0 | 3662.0 | 3456.5 |
| 57.5° | 1218.8 | 1218.8 | 1415.9 | 1673.0 | 2155.2 | 2652.8 | 3027.4 | 3448.1 | 4000.2 | 3916.3 | 3705.3 |
| 60°   | 887.5  | 881.9  | 1024.5 | 1245.3 | 1631.1 | 2193.0 | 2856.9 | 3334.9 | 4103.6 | 4180.5 | 3975.0 |
| 62.5° | 652.7  | 648.5  | 724.0  | 908.5  | 1209.0 | 1709.4 | 2571.8 | 3281.8 | 4156.7 | 4425.1 | 4254.6 |
| 65°   | 510.2  | 514.4  | 557.7  | 670.9  | 908.5  | 1231.4 | 2172.0 | 3280.4 | 4163.7 | 4648.7 | 4488.0 |
| 67.5° | 413.7  | 419.3  | 444.5  | 521.3  | 693.3  | 890.3  | 1663.3 | 3184.0 | 4147.0 | 4707.4 | 4597.0 |
| 70°   | 349.4  | 350.8  | 374.6  | 429.1  | 525.5  | 669.5  | 1169.9 | 2898.8 | 4058.9 | 4514.6 | 4432.1 |
| 72.5° | 289.3  | 293.5  | 318.7  | 353.6  | 423.5  | 515.8  | 785.5  | 2374.7 | 3759.8 | 3970.9 | 3908.0 |
| 75°   | 237.6  | 234.8  | 254.4  | 297.7  | 343.8  | 402.5  | 553.5  | 1684.2 | 3192.3 | 3150.4 | 3074.9 |
| 77.5° | 188.7  | 187.3  | 205.5  | 246.0  | 273.9  | 315.9  | 398.3  | 1067.8 | 2346.7 | 2307.6 | 2247.5 |
| 80°   | 135.6  | 128.6  | 139.8  | 177.5  | 206.9  | 234.8  | 275.3  | 570.3  | 1378.1 | 1339.0 | 1358.6 |
| 82.5° | 78.3   | 78.3   | 82.5   | 111.8  | 132.8  | 152.3  | 176.1  | 303.3  | 659.7  | 680.7  | 656.9  |
| 85°   | 18.2   | 19.6   | 22.4   | 28.0   | 39.1   | 55.9   | 64.3   | 97.8   | 164.9  | 177.5  | 176.1  |
| 87.5° | 1.4    | 1.4    | 1.4    | 2.8    | 2.8    | 2.8    | 2.8    | 4.2    | 5.6    | 5.6    | 5.6    |
| 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°    | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 | 1259.3 |
| 2.5°  | 1263.5 | 1262.1 | 1249.5 | 1242.6 | 1243.9 | 1238.4 | 1231.4 | 1231.4 | 1227.2 | 1223.0 | 1221.6 |
| 5°    | 1283.1 | 1274.7 | 1260.7 | 1248.1 | 1248.1 | 1242.6 | 1239.8 | 1232.8 | 1231.4 | 1227.2 | 1228.6 |
| 7.5°  | 1309.6 | 1297.1 | 1277.5 | 1264.9 | 1264.9 | 1260.7 | 1260.7 | 1255.1 | 1253.7 | 1248.1 | 1245.3 |
| 10°   | 1351.6 | 1333.4 | 1311.0 | 1297.1 | 1295.7 | 1294.3 | 1292.9 | 1291.5 | 1284.5 | 1278.9 | 1276.1 |
| 12.5° | 1401.9 | 1379.5 | 1353.0 | 1343.2 | 1340.4 | 1337.6 | 1334.8 | 1326.4 | 1320.8 | 1313.8 | 1309.6 |
| 15°   | 1460.6 | 1438.2 | 1408.9 | 1396.3 | 1390.7 | 1385.1 | 1371.1 | 1362.8 | 1353.0 | 1341.8 | 1339.0 |
| 17.5° | 1529.1 | 1496.9 | 1462.0 | 1448.0 | 1436.8 | 1424.3 | 1411.7 | 1392.1 | 1376.7 | 1364.2 | 1361.4 |
| 20°   | 1603.2 | 1564.0 | 1523.5 | 1502.5 | 1487.1 | 1464.8 | 1439.6 | 1414.5 | 1396.3 | 1380.9 | 1378.1 |
| 22.5° | 1675.8 | 1638.1 | 1589.2 | 1559.8 | 1529.1 | 1494.1 | 1455.0 | 1421.5 | 1399.1 | 1383.7 | 1380.9 |
| 25°   | 1761.1 | 1713.6 | 1652.1 | 1606.0 | 1561.2 | 1512.3 | 1459.2 | 1415.9 | 1386.5 | 1371.1 | 1365.5 |
| 27.5° | 1851.9 | 1791.8 | 1709.4 | 1650.7 | 1585.0 | 1510.9 | 1439.6 | 1390.7 | 1354.4 | 1333.4 | 1330.6 |
| 30°   | 1940.0 | 1870.1 | 1768.1 | 1675.8 | 1590.6 | 1494.1 | 1404.7 | 1340.4 | 1297.1 | 1269.1 | 1266.3 |
| 32.5° | 2043.4 | 1952.6 | 1814.2 | 1699.6 | 1585.0 | 1466.2 | 1354.4 | 1276.1 | 1225.8 | 1197.8 | 1197.8 |
| 35°   | 2144.1 | 2039.2 | 1864.5 | 1717.8 | 1569.6 | 1421.5 | 1292.9 | 1202.0 | 1143.3 | 1111.2 | 1108.4 |
| 37.5° | 2247.5 | 2120.3 | 1902.3 | 1719.2 | 1541.7 | 1361.4 | 1220.2 | 1122.4 | 1059.5 | 1021.7 | 1014.7 |
| 40°   | 2355.1 | 2204.2 | 1930.2 | 1706.6 | 1496.9 | 1292.9 | 1141.9 | 1034.3 | 949.0  | 900.1  | 888.9  |
| 42.5° | 2450.2 | 2276.8 | 1945.6 | 1689.8 | 1442.4 | 1214.6 | 1048.3 | 918.3  | 827.4  | 782.7  | 774.3  |
| 45°   | 2531.2 | 2313.2 | 1935.8 | 1656.3 | 1372.5 | 1126.5 | 928.1  | 793.9  | 717.0  | 672.3  | 662.5  |
| 47.5° | 2630.5 | 2371.9 | 1928.8 | 1618.5 | 1290.1 | 1014.7 | 799.5  | 673.7  | 606.6  | 573.1  | 570.3  |
| 50°   | 2745.1 | 2430.6 | 1924.6 | 1569.6 | 1190.8 | 883.3  | 672.3  | 561.9  | 508.8  | 482.2  | 479.4  |
| 52.5° | 2865.3 | 2493.5 | 1927.4 | 1509.5 | 1069.2 | 736.6  | 559.1  | 475.2  | 430.5  | 416.5  | 413.7  |
| 55°   | 3031.6 | 2578.8 | 1938.6 | 1431.2 | 930.9  | 608.0  | 471.0  | 408.1  | 383.0  | 376.0  | 376.0  |
| 57.5° | 3209.1 | 2676.6 | 1959.6 | 1337.6 | 788.3  | 494.8  | 402.5  | 371.8  | 367.6  | 369.0  | 370.4  |
| 60°   | 3429.9 | 2812.2 | 1990.3 | 1237.0 | 647.1  | 413.7  | 363.4  | 356.4  | 360.6  | 373.2  | 376.0  |
| 62.5° | 3642.4 | 2949.1 | 2043.4 | 1121.0 | 519.9  | 356.4  | 342.4  | 343.8  | 349.4  | 366.2  | 367.6  |
| 65°   | 3839.5 | 3079.1 | 2075.6 | 984.0  | 427.7  | 324.3  | 327.1  | 327.1  | 341.0  | 364.8  | 366.2  |
| 67.5° | 3924.7 | 3188.1 | 2032.3 | 821.8  | 350.8  | 299.1  | 304.7  | 310.3  | 322.9  | 341.0  | 343.8  |
| 70°   | 3842.3 | 3156.0 | 1810.0 | 627.6  | 292.1  | 273.9  | 278.1  | 283.7  | 299.1  | 317.3  | 325.7  |
| 72.5° | 3446.7 | 2841.5 | 1390.7 | 450.1  | 250.2  | 244.6  | 248.8  | 258.6  | 269.8  | 290.7  | 303.3  |
| 75°   | 2830.3 | 2309.0 | 978.4  | 306.1  | 215.2  | 212.4  | 223.6  | 230.6  | 225.0  | 229.2  | 236.2  |
| 77.5° | 2061.6 | 1632.5 | 596.8  | 227.8  | 178.9  | 183.1  | 188.7  | 180.3  | 155.1  | 134.2  | 141.2  |
| 80°   | 1285.9 | 960.2  | 345.2  | 169.1  | 138.4  | 135.6  | 132.8  | 120.2  | 88.1   | 60.1   | 26.6   |
| 82.5° | 661.1  | 501.8  | 216.6  | 118.8  | 86.7   | 82.5   | 82.5   | 64.3   | 44.7   | 18.2   | 0.0    |
| 85°   | 157.9  | 142.6  | 85.3   | 48.9   | 32.1   | 30.7   | 21.0   | 8.4    | 2.8    | 0.0    | 0.0    |
| 87.5° | 5.6    | 5.6    | 4.2    | 2.8    | 2.8    | 1.4    | 1.4    | 1.4    | 1.4    | 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)