

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: P511244

Luminaire Tested: **USSL-P-PA1C-740-U-T3**

Issue Date: 4/7/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P511244  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2103-171-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 4/7/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: USSL-P-PA1C-740-U-T3  
Description: PREVAIL AREA AND WALL LUMINAIRE  
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9364 lumens  
Efficiency: N/A  
Efficacy: 129.9 lumens/watt  
Luminous Opening: Rectangular (W 1.04' x L: 0.58' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G2

Input Watts (W): 72.1  
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: 24 FT



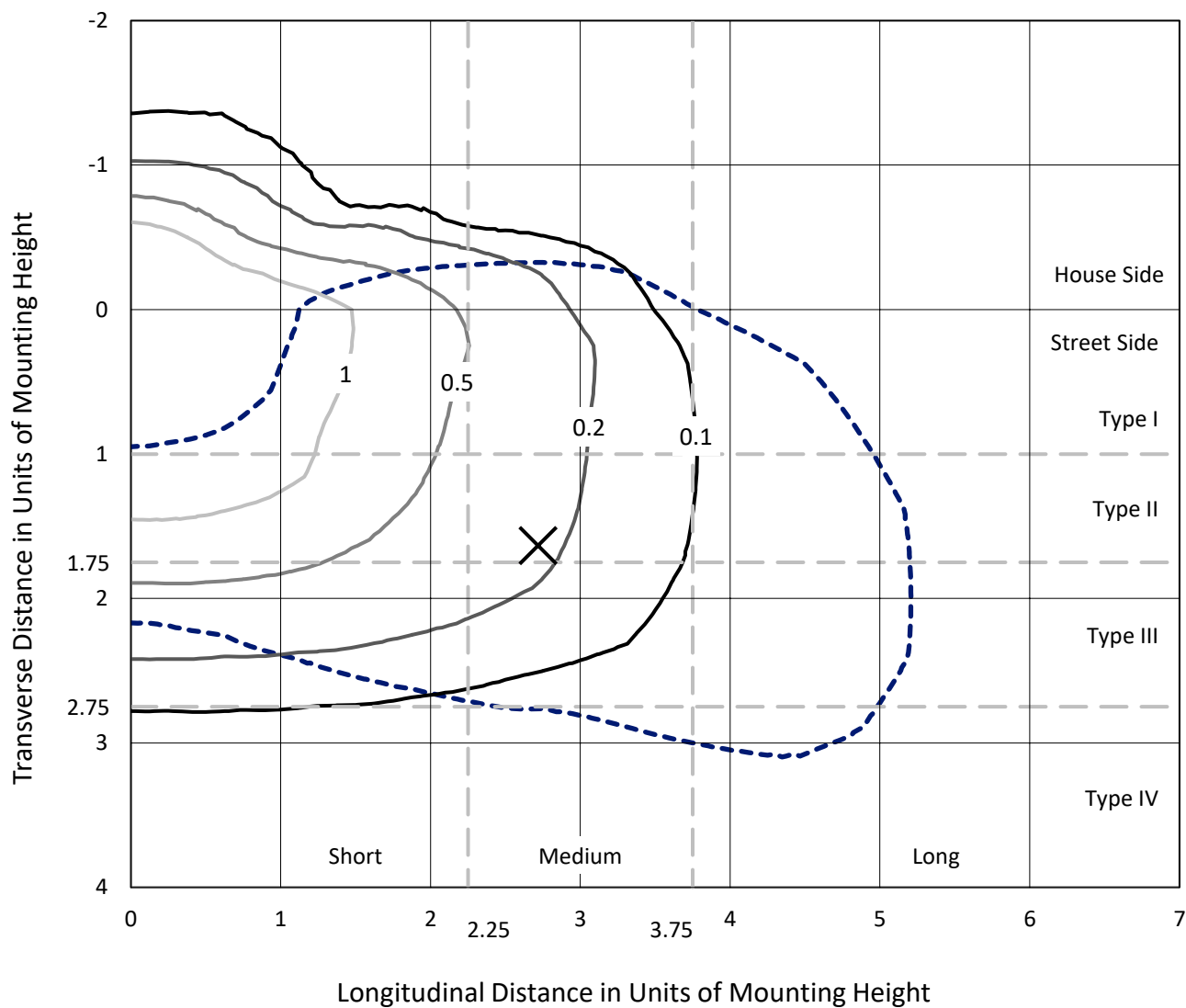
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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

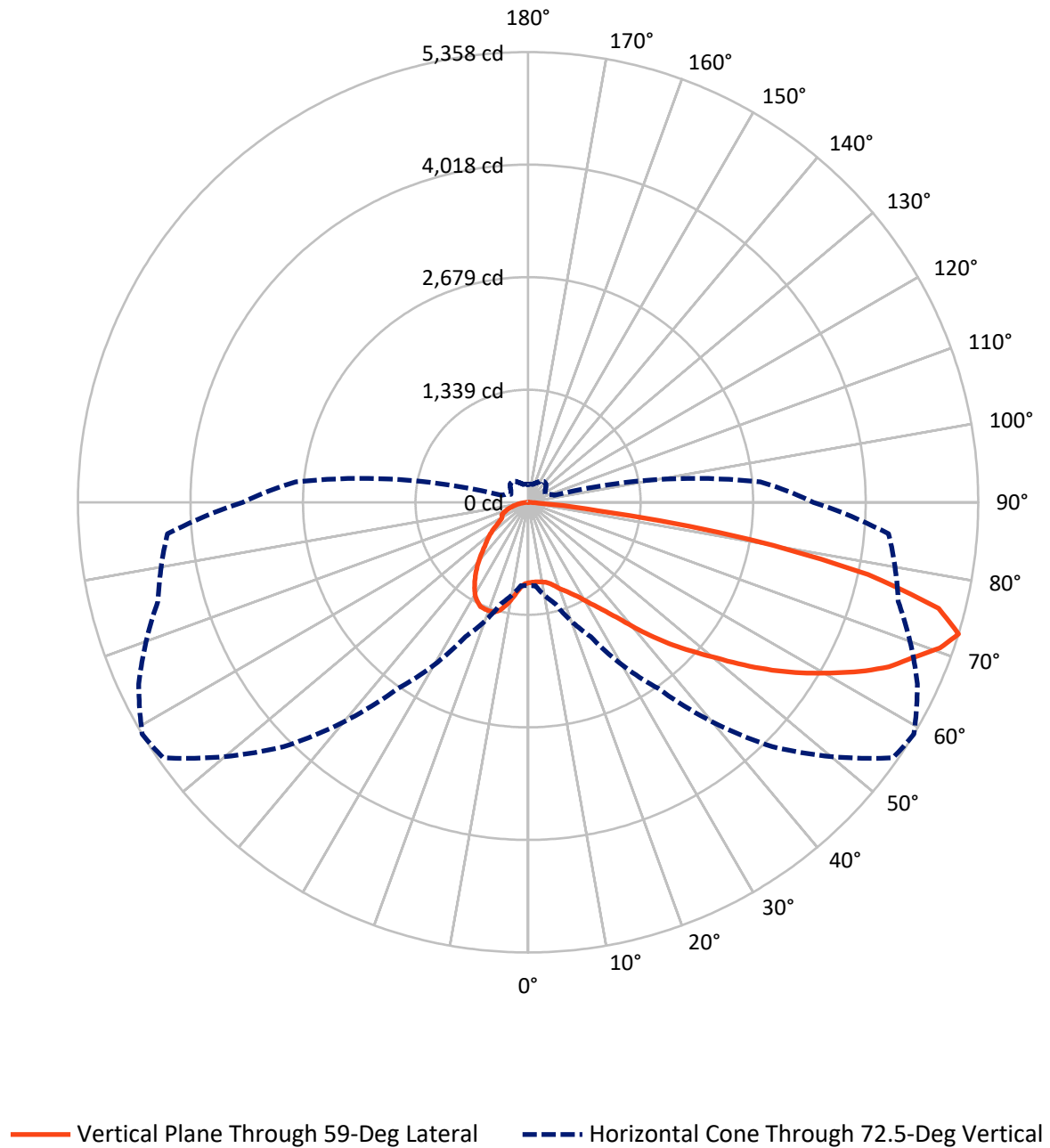
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type IV - Medium - N/A

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## Luminous Intensity Polar Plot



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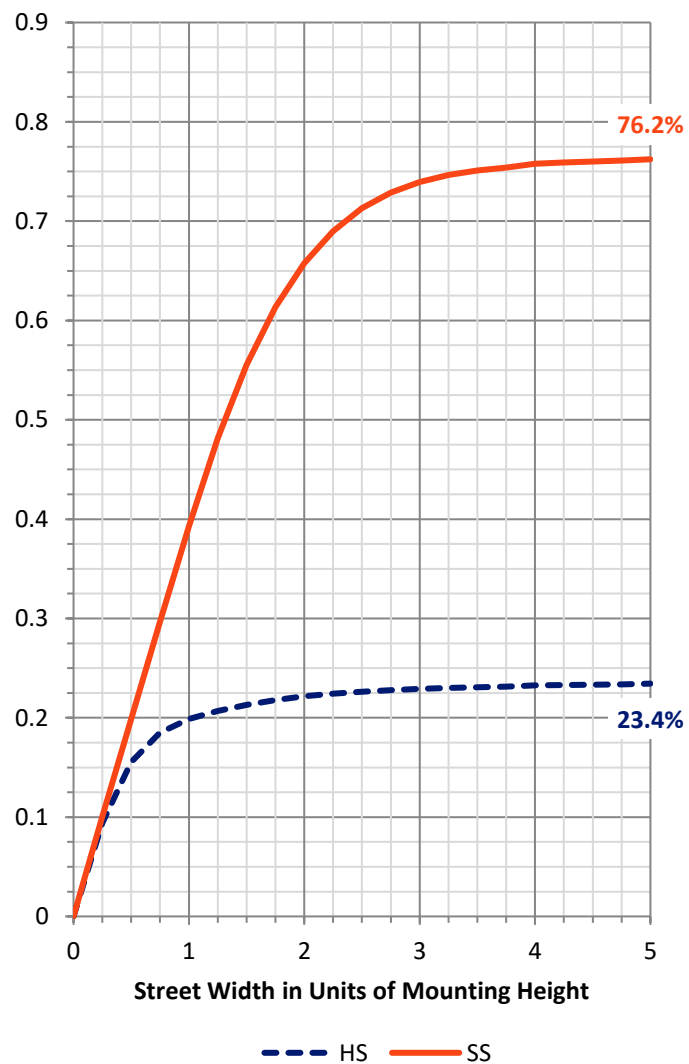
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2215.2   | 0.0    | 2215.2 |
|                    | % Fixture | 23.7     | 0.0    | 23.7   |
| <b>Street Side</b> | Lumens    | 7148.8   | 0.0    | 7148.8 |
|                    | % Fixture | 76.3     | 0.0    | 76.3   |
| <b>Total</b>       | Lumens    | 9364.0   | 0.0    | 9364.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 95.9   | 1.0       |
| 10°-20°   | 316.0  | 3.4       |
| 20°-30°   | 583.5  | 6.2       |
| 30°-40°   | 887.9  | 9.5       |
| 40°-50°   | 1338.0 | 14.3      |
| 50°-60°   | 1987.9 | 21.2      |
| 60°-70°   | 2365.9 | 25.3      |
| 70°-80°   | 1601.3 | 17.1      |
| 80°-90°   | 187.8  | 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°    | 9364.0 | 100.0     |
| 0°-180°   | 9364.0 | 100.0     |

**Coefficient of Utilization**



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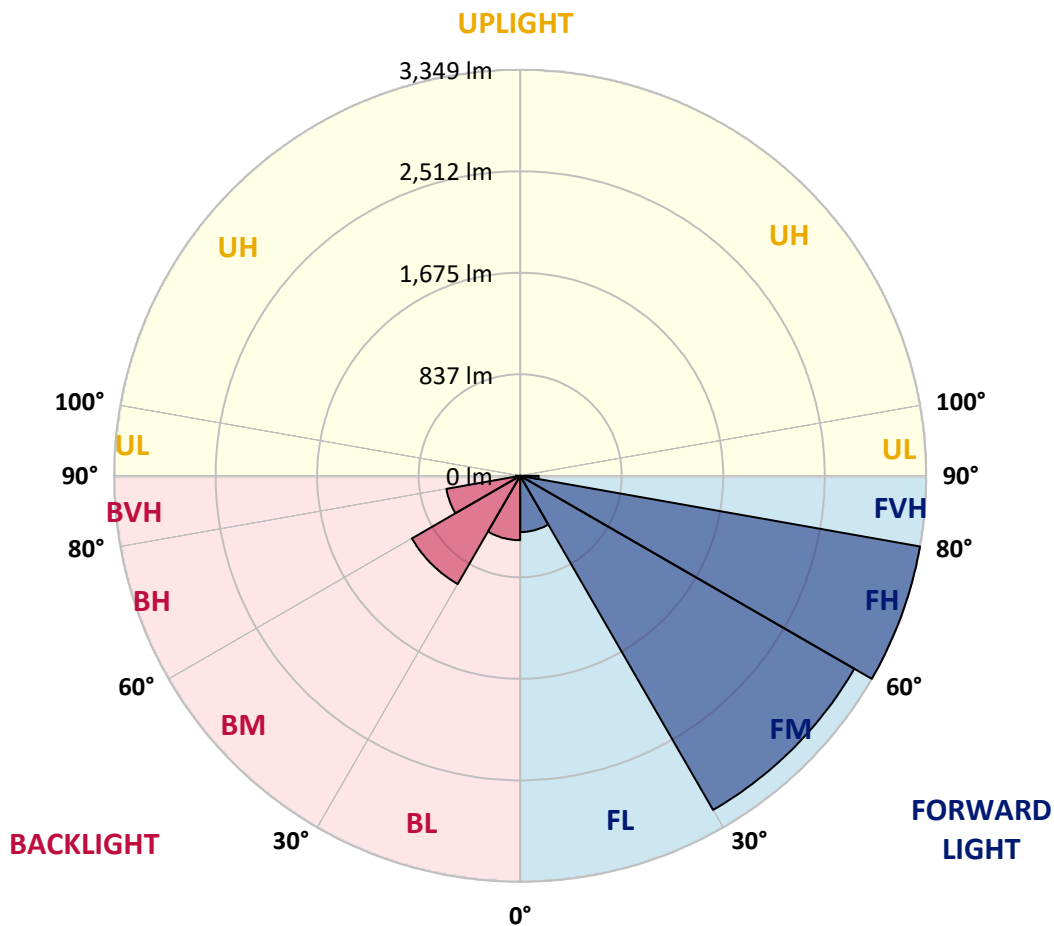
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 464.1  | 5.0       |                         |      |         |
| FM   | (30°-60°)   | 3182.6 | 34.0      |                         |      |         |
| FH   | (60°-80°)   | 3349.5 | 35.8      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 152.6  | 1.6       |                         |      | G2/225  |
| BL   | (0°-30°)    | 531.3  | 5.7       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1031.2 | 11.0      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 617.6  | 6.6       | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 35.1   | 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 Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 59°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  |
| 2.5°  | 948.4  | 952.6  | 950.5  | 950.5  | 952.6  | 952.6  | 956.9  | 952.6  | 959.0  | 956.9  | 954.7  |
| 5°    | 910.5  | 908.4  | 912.6  | 918.9  | 927.3  | 942.1  | 950.5  | 952.6  | 956.9  | 963.2  | 963.2  |
| 7.5°  | 838.8  | 840.9  | 849.4  | 864.1  | 887.3  | 921.0  | 954.7  | 956.9  | 969.5  | 984.3  | 992.7  |
| 10°   | 822.0  | 824.1  | 828.3  | 849.4  | 872.5  | 910.5  | 954.7  | 965.3  | 988.5  | 1011.7 | 1032.7 |
| 12.5° | 813.5  | 817.8  | 822.0  | 847.3  | 881.0  | 918.9  | 965.3  | 977.9  | 1011.7 | 1049.6 | 1081.2 |
| 15°   | 819.9  | 822.0  | 828.3  | 849.4  | 885.2  | 935.8  | 986.4  | 1007.4 | 1041.2 | 1089.6 | 1129.7 |
| 17.5° | 845.1  | 845.1  | 840.9  | 859.9  | 891.5  | 954.7  | 1020.1 | 1049.6 | 1085.4 | 1136.0 | 1186.6 |
| 20°   | 906.3  | 906.3  | 897.8  | 887.3  | 908.4  | 971.6  | 1062.2 | 1100.2 | 1142.3 | 1195.0 | 1243.5 |
| 22.5° | 1032.7 | 1030.6 | 1005.3 | 967.4  | 959.0  | 1003.2 | 1106.5 | 1148.6 | 1205.6 | 1260.3 | 1302.5 |
| 25°   | 1218.2 | 1218.2 | 1173.9 | 1110.7 | 1066.4 | 1062.2 | 1152.9 | 1205.6 | 1277.2 | 1329.9 | 1357.3 |
| 27.5° | 1431.1 | 1422.6 | 1363.6 | 1292.0 | 1207.7 | 1161.3 | 1224.5 | 1273.0 | 1355.2 | 1407.9 | 1414.2 |
| 30°   | 1597.6 | 1606.0 | 1551.2 | 1452.1 | 1353.1 | 1292.0 | 1315.1 | 1367.8 | 1456.4 | 1496.4 | 1481.6 |
| 32.5° | 1802.0 | 1780.9 | 1734.6 | 1641.8 | 1528.0 | 1441.6 | 1437.4 | 1469.0 | 1544.9 | 1593.3 | 1553.3 |
| 35°   | 1939.0 | 1932.7 | 1901.1 | 1818.9 | 1698.7 | 1608.1 | 1561.7 | 1597.6 | 1669.2 | 1692.4 | 1643.9 |
| 37.5° | 2082.3 | 2086.5 | 2065.5 | 1989.6 | 1888.4 | 1766.2 | 1732.5 | 1751.4 | 1825.2 | 1837.8 | 1774.6 |
| 40°   | 2278.3 | 2282.5 | 2269.9 | 2194.0 | 2069.7 | 1976.9 | 1947.4 | 1966.4 | 2033.8 | 2031.7 | 1936.9 |
| 42.5° | 2524.9 | 2527.0 | 2533.3 | 2419.5 | 2286.8 | 2196.1 | 2177.2 | 2189.8 | 2265.7 | 2240.4 | 2139.2 |
| 45°   | 2843.2 | 2828.4 | 2834.7 | 2725.1 | 2565.0 | 2465.9 | 2434.3 | 2425.9 | 2478.5 | 2478.5 | 2368.9 |
| 47.5° | 3085.5 | 3096.1 | 3110.8 | 3035.0 | 2898.0 | 2813.7 | 2691.4 | 2659.8 | 2708.3 | 2723.0 | 2611.3 |
| 50°   | 3298.4 | 3330.0 | 3321.6 | 3340.6 | 3228.9 | 3195.1 | 2980.2 | 2912.7 | 2973.8 | 2982.3 | 2876.9 |
| 52.5° | 3435.4 | 3494.4 | 3504.9 | 3576.6 | 3606.1 | 3650.4 | 3275.2 | 3216.2 | 3241.5 | 3243.6 | 3157.2 |
| 55°   | 3433.3 | 3481.8 | 3601.9 | 3766.3 | 3920.1 | 4036.1 | 3593.5 | 3526.0 | 3523.9 | 3523.9 | 3464.9 |
| 57.5° | 3372.2 | 3403.8 | 3627.2 | 3837.9 | 4133.0 | 4318.5 | 3918.0 | 3831.6 | 3795.8 | 3800.0 | 3793.7 |
| 60°   | 3203.6 | 3258.4 | 3568.2 | 3856.9 | 4297.4 | 4508.2 | 4181.5 | 4124.6 | 4093.0 | 4027.6 | 4183.6 |
| 62.5° | 3045.5 | 3062.4 | 3349.0 | 3808.4 | 4324.8 | 4590.4 | 4487.1 | 4434.4 | 4398.6 | 4270.0 | 4497.6 |
| 65°   | 2714.6 | 2725.1 | 2997.0 | 3545.0 | 4223.6 | 4643.1 | 4748.4 | 4718.9 | 4643.1 | 4493.4 | 4756.9 |
| 67.5° | 2248.8 | 2282.5 | 2510.2 | 3142.4 | 3953.9 | 4666.2 | 4955.0 | 4933.9 | 4839.1 | 4592.5 | 4872.8 |
| 70°   | 1660.8 | 1688.2 | 1968.5 | 2531.2 | 3488.1 | 4544.0 | 5220.5 | 5197.4 | 5003.5 | 4638.8 | 4737.9 |
| 72.5° | 990.6  | 996.9  | 1249.8 | 1762.0 | 2706.2 | 4111.9 | 5302.7 | 5357.5 | 5113.0 | 4560.9 | 4307.9 |
| 75°   | 404.7  | 379.4  | 493.2  | 847.3  | 1654.5 | 3041.3 | 4921.3 | 5047.7 | 4990.8 | 4274.2 | 3557.6 |
| 77.5° | 189.7  | 187.6  | 250.8  | 436.3  | 699.7  | 1566.0 | 3966.5 | 4135.1 | 4230.0 | 3675.7 | 2699.8 |
| 80°   | 107.5  | 109.6  | 143.3  | 221.3  | 400.4  | 419.4  | 2364.7 | 2672.4 | 2716.7 | 2345.8 | 1553.3 |
| 82.5° | 88.5   | 88.5   | 96.9   | 122.2  | 225.5  | 187.6  | 430.0  | 849.4  | 1207.7 | 1064.3 | 560.6  |
| 85°   | 33.7   | 35.8   | 42.2   | 50.6   | 105.4  | 71.7   | 92.7   | 128.6  | 215.0  | 299.3  | 50.6   |
| 87.5° | 2.1    | 2.1    | 2.1    | 4.2    | 4.2    | 6.3    | 8.4    | 10.5   | 8.4    | 10.5   | 8.4    |
| 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°    | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  | 959.0  |
| 2.5°  | 961.1  | 963.2  | 965.3  | 967.4  | 971.6  | 977.9  | 982.1  | 982.1  | 986.4  | 992.7  | 994.8  |
| 5°    | 967.4  | 973.7  | 982.1  | 994.8  | 1011.7 | 1028.5 | 1047.5 | 1058.0 | 1066.4 | 1074.9 | 1074.9 |
| 7.5°  | 996.9  | 1005.3 | 1028.5 | 1053.8 | 1087.5 | 1114.9 | 1131.8 | 1152.9 | 1163.4 | 1171.8 | 1171.8 |
| 10°   | 1047.5 | 1055.9 | 1098.1 | 1142.3 | 1180.3 | 1211.9 | 1220.3 | 1226.6 | 1235.1 | 1243.5 | 1232.9 |
| 12.5° | 1093.8 | 1123.4 | 1171.8 | 1220.3 | 1270.9 | 1281.4 | 1268.8 | 1235.1 | 1218.2 | 1216.1 | 1207.7 |
| 15°   | 1148.6 | 1184.5 | 1251.9 | 1300.4 | 1340.4 | 1306.7 | 1237.2 | 1228.7 | 1237.2 | 1254.0 | 1256.1 |
| 17.5° | 1211.9 | 1239.3 | 1317.3 | 1376.3 | 1357.3 | 1281.4 | 1279.3 | 1279.3 | 1283.5 | 1285.6 | 1279.3 |
| 20°   | 1262.5 | 1308.8 | 1393.1 | 1426.8 | 1336.2 | 1308.8 | 1294.1 | 1277.2 | 1270.9 | 1270.9 | 1268.8 |
| 22.5° | 1323.6 | 1361.5 | 1452.1 | 1431.1 | 1332.0 | 1306.7 | 1270.9 | 1249.8 | 1249.8 | 1260.3 | 1256.1 |
| 25°   | 1376.3 | 1431.1 | 1511.2 | 1414.2 | 1329.9 | 1270.9 | 1230.8 | 1222.4 | 1226.6 | 1243.5 | 1239.3 |
| 27.5° | 1429.0 | 1492.2 | 1544.9 | 1393.1 | 1281.4 | 1207.7 | 1182.4 | 1180.3 | 1159.2 | 1163.4 | 1159.2 |
| 30°   | 1500.6 | 1551.2 | 1547.0 | 1384.7 | 1205.6 | 1144.4 | 1119.1 | 1058.0 | 1026.4 | 1043.3 | 1043.3 |
| 32.5° | 1559.6 | 1614.4 | 1530.1 | 1319.4 | 1123.4 | 1083.3 | 986.4  | 925.2  | 914.7  | 925.2  | 937.9  |
| 35°   | 1650.3 | 1696.6 | 1519.6 | 1230.8 | 1039.0 | 967.4  | 849.4  | 809.3  | 798.8  | 805.1  | 811.4  |
| 37.5° | 1778.8 | 1795.7 | 1559.6 | 1119.1 | 963.2  | 819.9  | 735.6  | 706.0  | 678.6  | 653.4  | 661.8  |
| 40°   | 1941.1 | 1922.1 | 1606.0 | 1034.8 | 859.9  | 697.6  | 651.2  | 615.4  | 564.8  | 526.9  | 524.8  |
| 42.5° | 2120.3 | 2040.2 | 1610.2 | 963.2  | 741.9  | 615.4  | 573.3  | 529.0  | 476.3  | 434.2  | 430.0  |
| 45°   | 2328.9 | 2196.1 | 1576.5 | 899.9  | 628.1  | 558.5  | 512.1  | 459.5  | 408.9  | 375.2  | 377.3  |
| 47.5° | 2575.5 | 2358.4 | 1530.1 | 828.3  | 558.5  | 505.8  | 453.1  | 406.8  | 366.7  | 339.3  | 341.4  |
| 50°   | 2841.1 | 2514.4 | 1477.4 | 744.0  | 501.6  | 453.1  | 406.8  | 368.8  | 337.2  | 318.2  | 316.1  |
| 52.5° | 3127.7 | 2691.4 | 1454.2 | 638.6  | 451.0  | 415.2  | 375.2  | 347.8  | 318.2  | 290.8  | 284.5  |
| 55°   | 3439.6 | 2857.9 | 1469.0 | 514.3  | 402.6  | 381.5  | 358.3  | 324.6  | 324.6  | 316.1  | 309.8  |
| 57.5° | 3722.0 | 3020.2 | 1525.9 | 434.2  | 364.6  | 368.8  | 354.1  | 389.9  | 400.4  | 387.8  | 381.5  |
| 60°   | 3983.4 | 3186.7 | 1523.8 | 375.2  | 345.6  | 400.4  | 446.8  | 434.2  | 373.0  | 347.8  | 339.3  |
| 62.5° | 4162.5 | 3327.9 | 1351.0 | 333.0  | 360.4  | 478.4  | 459.5  | 385.7  | 330.9  | 320.4  | 314.0  |
| 65°   | 4276.3 | 3391.1 | 1013.8 | 309.8  | 373.0  | 451.0  | 411.0  | 343.5  | 305.6  | 307.7  | 305.6  |
| 67.5° | 4225.7 | 3342.7 | 689.2  | 278.2  | 330.9  | 387.8  | 373.0  | 316.1  | 278.2  | 295.1  | 288.7  |
| 70°   | 3943.3 | 3163.5 | 453.1  | 252.9  | 293.0  | 347.8  | 343.5  | 286.6  | 252.9  | 259.2  | 250.8  |
| 72.5° | 3395.4 | 2775.7 | 326.7  | 223.4  | 248.7  | 303.5  | 311.9  | 259.2  | 221.3  | 217.1  | 210.8  |
| 75°   | 2716.7 | 2141.3 | 240.3  | 193.9  | 206.5  | 255.0  | 274.0  | 227.6  | 193.9  | 183.4  | 179.1  |
| 77.5° | 1953.7 | 1386.8 | 183.4  | 160.2  | 166.5  | 208.7  | 238.2  | 189.7  | 156.0  | 143.3  | 139.1  |
| 80°   | 1079.1 | 672.3  | 137.0  | 124.3  | 120.1  | 156.0  | 174.9  | 158.1  | 120.1  | 111.7  | 107.5  |
| 82.5° | 377.3  | 200.2  | 94.8   | 80.1   | 75.9   | 109.6  | 126.5  | 115.9  | 82.2   | 69.6   | 71.7   |
| 85°   | 44.3   | 56.9   | 40.0   | 37.9   | 33.7   | 44.3   | 56.9   | 44.3   | 25.3   | 23.2   | 23.2   |
| 87.5° | 6.3    | 6.3    | 6.3    | 4.2    | 4.2    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    | 2.1    |
| 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)