

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: P1208581

Luminaire Tested: UPW-SA1-070-740-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208581  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-070-740-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5816 lumens  
Efficiency: N/A  
Efficacy: 86.8 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

Input Watts (W): 67  
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: 28.75 FT

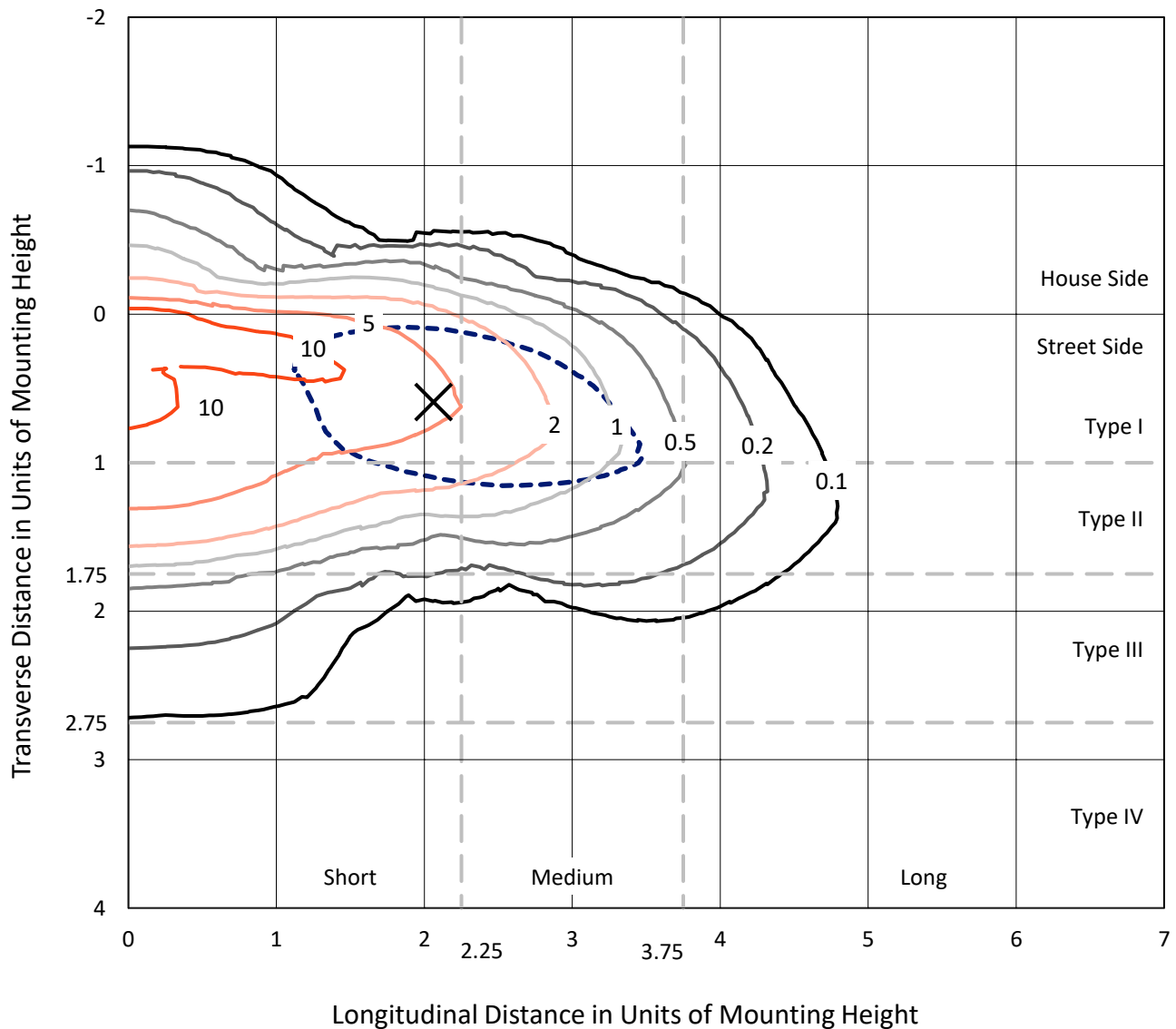


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
- - - 1/2 Max cd

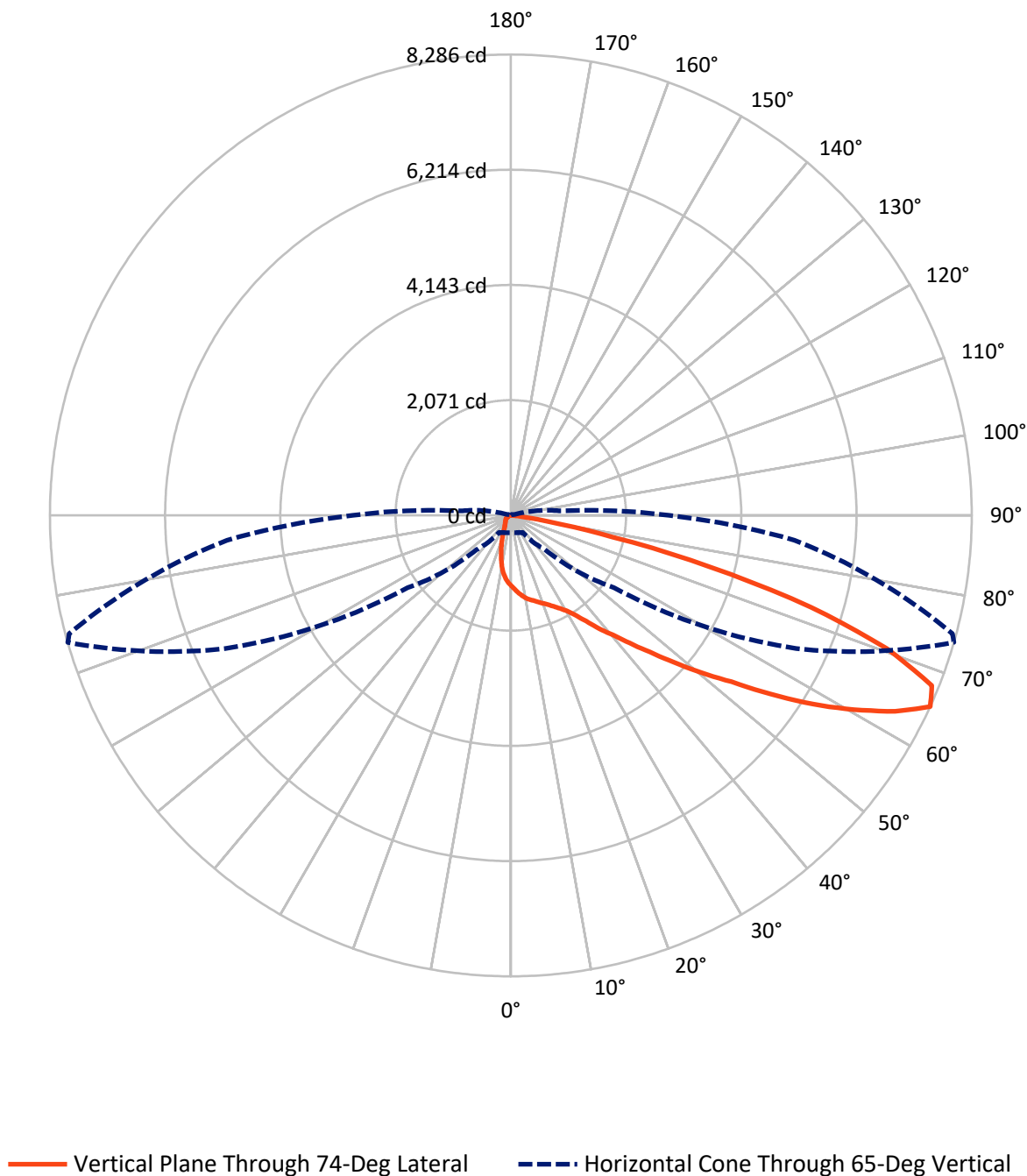


Based on 10 foot mounting height. Maximum calculated value = 15.4 fc  
Type II - Short - N/A

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## Luminous Intensity Polar Plot



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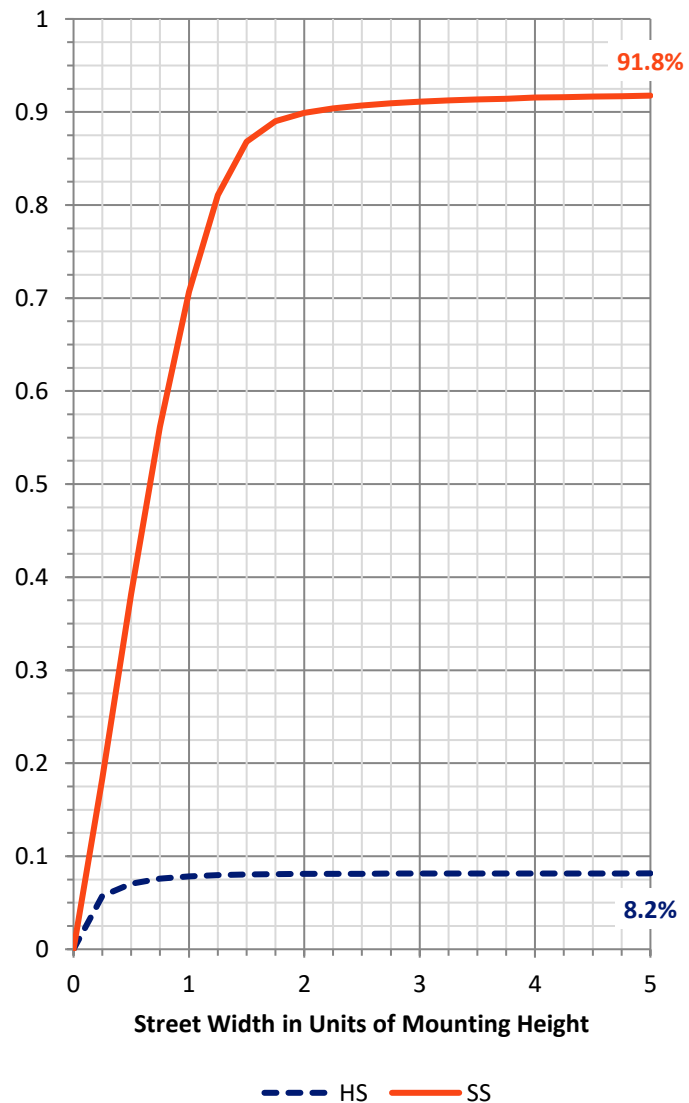
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 478.1    | 0.0    | 478.1  |
|                    | % Fixture | 8.2      | 0.0    | 8.2    |
| <b>Street Side</b> | Lumens    | 5337.9   | 0.0    | 5337.9 |
|                    | % Fixture | 91.8     | 0.0    | 91.8   |
| <b>Total</b>       | Lumens    | 5816.0   | 0.0    | 5816.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 108.2  | 1.9       |
| 10°-20°   | 265.0  | 4.6       |
| 20°-30°   | 413.3  | 7.1       |
| 30°-40°   | 652.3  | 11.2      |
| 40°-50°   | 1014.6 | 17.4      |
| 50°-60°   | 1466.7 | 25.2      |
| 60°-70°   | 1325.7 | 22.8      |
| 70°-80°   | 532.8  | 9.2       |
| 80°-90°   | 37.4   | 0.6       |
| 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°    | 5816.0 | 100.0     |
| 0°-180°   | 5816.0 | 100.0     |

**Coefficient of Utilization**



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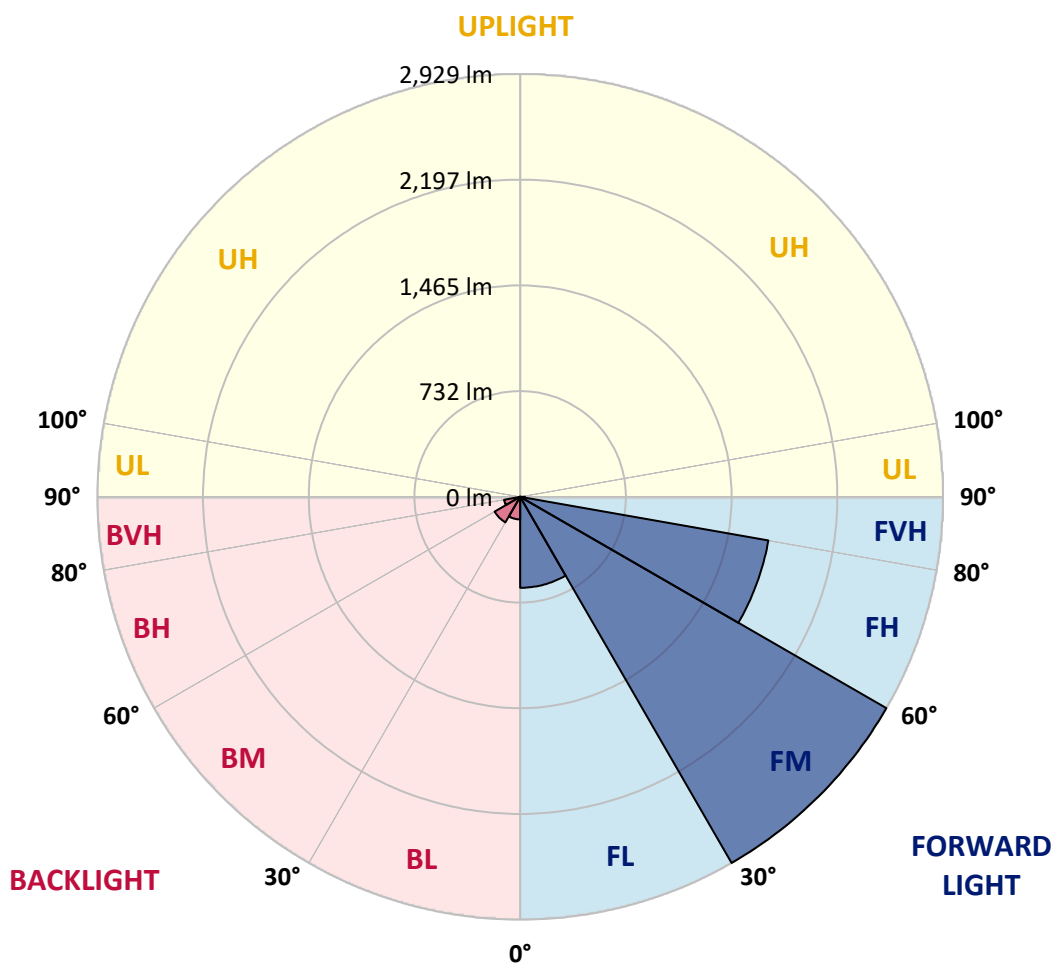
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 630.1  | 10.8      |                         |      |         |
| FM   | (30°-60°)   | 2929.0 | 50.4      |                         |      |         |
| FH   | (60°-80°)   | 1745.6 | 30.0      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 33.2   | 0.6       |                         |      | G1/100  |
| BL   | (0°-30°)    | 156.4  | 2.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 204.6  | 3.5       | B0/220                  |      |         |
| BH   | (60°-80°)   | 113.0  | 1.9       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 4.2    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type II Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 74°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 |
| 2.5°  | 1429.9 | 1424.6 | 1427.2 | 1415.7 | 1413.9 | 1402.3 | 1376.5 | 1350.8 | 1326.7 | 1320.5 | 1291.2 |
| 5°    | 1533.9 | 1531.3 | 1528.6 | 1526.8 | 1518.8 | 1509.9 | 1473.5 | 1438.8 | 1394.3 | 1386.3 | 1325.0 |
| 7.5°  | 1561.5 | 1558.8 | 1564.2 | 1573.1 | 1578.4 | 1574.0 | 1547.3 | 1513.5 | 1457.5 | 1448.6 | 1359.6 |
| 10°   | 1500.1 | 1497.5 | 1521.5 | 1556.2 | 1588.2 | 1611.3 | 1601.5 | 1571.3 | 1512.6 | 1503.7 | 1383.7 |
| 12.5° | 1365.0 | 1361.4 | 1400.6 | 1471.7 | 1547.3 | 1613.1 | 1632.6 | 1612.2 | 1557.1 | 1547.3 | 1403.2 |
| 15°   | 1241.4 | 1236.0 | 1275.2 | 1347.2 | 1442.3 | 1569.5 | 1644.2 | 1650.4 | 1593.5 | 1587.3 | 1424.6 |
| 17.5° | 1175.6 | 1176.5 | 1200.5 | 1260.1 | 1351.6 | 1490.4 | 1631.8 | 1686.0 | 1642.4 | 1634.4 | 1447.7 |
| 20°   | 1202.3 | 1204.0 | 1206.7 | 1229.8 | 1285.0 | 1421.0 | 1604.2 | 1724.2 | 1690.4 | 1681.6 | 1477.0 |
| 22.5° | 1279.6 | 1284.1 | 1277.0 | 1264.5 | 1271.6 | 1370.3 | 1575.7 | 1766.0 | 1745.6 | 1736.7 | 1497.5 |
| 25°   | 1423.7 | 1418.3 | 1396.1 | 1346.3 | 1310.7 | 1355.2 | 1566.0 | 1814.1 | 1814.9 | 1804.3 | 1522.4 |
| 27.5° | 1595.3 | 1581.1 | 1554.4 | 1475.3 | 1388.1 | 1380.1 | 1563.3 | 1865.6 | 1895.9 | 1880.7 | 1550.8 |
| 30°   | 1741.1 | 1734.0 | 1701.1 | 1628.2 | 1497.5 | 1437.9 | 1570.4 | 1915.4 | 1991.9 | 1983.9 | 1588.2 |
| 32.5° | 1835.4 | 1833.6 | 1809.6 | 1760.7 | 1646.0 | 1531.3 | 1601.5 | 1983.0 | 2136.8 | 2110.2 | 1659.3 |
| 35°   | 1914.5 | 1906.5 | 1887.9 | 1855.8 | 1786.5 | 1658.4 | 1667.3 | 2091.5 | 2332.5 | 2324.5 | 1773.1 |
| 37.5° | 2004.3 | 1994.6 | 1972.3 | 1932.3 | 1884.3 | 1808.7 | 1772.3 | 2232.0 | 2581.5 | 2577.9 | 1923.4 |
| 40°   | 2108.4 | 2102.2 | 2079.9 | 2026.6 | 1967.0 | 1921.7 | 1881.6 | 2376.9 | 2822.5 | 2797.6 | 2062.2 |
| 42.5° | 2210.7 | 2212.4 | 2195.5 | 2140.4 | 2059.5 | 1998.1 | 2011.5 | 2524.6 | 3136.4 | 3123.9 | 2278.2 |
| 45°   | 2327.1 | 2320.9 | 2312.0 | 2272.0 | 2184.9 | 2058.6 | 2136.0 | 2729.1 | 3500.9 | 3532.1 | 2592.1 |
| 47.5° | 2409.0 | 2407.2 | 2425.0 | 2394.7 | 2322.7 | 2155.5 | 2264.0 | 2982.5 | 3949.1 | 3978.5 | 2937.2 |
| 50°   | 2430.3 | 2427.6 | 2487.2 | 2512.1 | 2509.4 | 2343.2 | 2440.1 | 3303.5 | 4441.8 | 4437.3 | 3323.1 |
| 52.5° | 2293.4 | 2299.6 | 2415.2 | 2547.7 | 2671.3 | 2632.2 | 2757.5 | 3745.5 | 4968.2 | 4983.3 | 3685.9 |
| 55°   | 1900.3 | 1939.4 | 2067.5 | 2374.3 | 2699.7 | 2926.5 | 3166.6 | 4353.7 | 5662.7 | 5622.7 | 3971.4 |
| 57.5° | 1191.6 | 1171.1 | 1387.2 | 1831.8 | 2349.4 | 2948.7 | 3497.4 | 4964.6 | 6404.3 | 6353.6 | 4391.1 |
| 60°   | 607.4  | 580.7  | 706.9  | 1021.7 | 1630.9 | 2478.3 | 3504.5 | 5497.3 | 7088.1 | 7031.2 | 4815.2 |
| 62.5° | 371.7  | 367.3  | 393.0  | 498.9  | 844.8  | 1671.8 | 3036.8 | 5819.2 | 7756.9 | 7711.5 | 5102.5 |
| 65°   | 313.0  | 312.1  | 321.9  | 338.8  | 374.4  | 867.9  | 2265.8 | 5661.8 | 8285.9 | 8220.1 | 5119.4 |
| 67.5° | 277.4  | 277.4  | 297.9  | 305.9  | 249.0  | 373.5  | 1389.9 | 5007.3 | 8162.3 | 8149.9 | 4762.8 |
| 70°   | 239.2  | 235.6  | 264.1  | 288.1  | 207.2  | 192.1  | 715.8  | 4022.9 | 7170.8 | 7211.7 | 4056.7 |
| 72.5° | 180.5  | 184.1  | 213.4  | 245.4  | 169.8  | 135.2  | 327.2  | 2815.3 | 5646.7 | 5666.2 | 3187.9 |
| 75°   | 136.1  | 139.6  | 165.4  | 201.0  | 136.9  | 102.3  | 180.5  | 1829.2 | 3698.4 | 3742.8 | 1862.1 |
| 77.5° | 104.0  | 104.9  | 130.7  | 166.3  | 105.8  | 78.3   | 121.8  | 1016.4 | 1874.5 | 1834.5 | 723.8  |
| 80°   | 72.0   | 74.7   | 102.3  | 128.9  | 84.5   | 58.7   | 81.8   | 440.2  | 676.7  | 624.2  | 225.0  |
| 82.5° | 26.7   | 34.7   | 72.0   | 93.4   | 59.6   | 41.8   | 60.5   | 177.0  | 198.3  | 185.9  | 82.7   |
| 85°   | 4.4    | 4.4    | 39.1   | 68.5   | 32.0   | 24.9   | 38.2   | 61.4   | 64.9   | 68.5   | 42.7   |
| 87.5° | 0.0    | 0.0    | 4.4    | 15.1   | 5.3    | 3.6    | 10.7   | 15.1   | 31.1   | 34.7   | 23.1   |
| 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):**

|       | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 | 1267.2 |
| 2.5°  | 1271.6 | 1252.9 | 1215.6 | 1183.6 | 1133.8 | 1090.2 | 1062.6 | 1041.3 | 1025.3 | 1006.6 | 987.9  |
| 5°    | 1285.8 | 1242.3 | 1150.7 | 1047.5 | 941.7  | 846.6  | 768.3  | 697.2  | 650.9  | 645.6  | 623.4  |
| 7.5°  | 1298.3 | 1228.9 | 1074.2 | 891.0  | 729.2  | 591.3  | 494.4  | 434.8  | 383.3  | 367.3  | 374.4  |
| 10°   | 1298.3 | 1205.8 | 972.8  | 721.2  | 526.4  | 385.9  | 314.8  | 275.7  | 261.4  | 255.2  | 249.9  |
| 12.5° | 1294.7 | 1168.5 | 845.7  | 562.0  | 366.4  | 281.0  | 249.0  | 234.8  | 226.8  | 223.2  | 221.4  |
| 15°   | 1289.4 | 1123.1 | 720.3  | 419.7  | 280.1  | 241.0  | 225.0  | 214.3  | 207.2  | 203.6  | 201.0  |
| 17.5° | 1285.8 | 1076.0 | 606.5  | 318.3  | 241.9  | 219.6  | 206.3  | 195.6  | 189.4  | 184.1  | 183.2  |
| 20°   | 1275.2 | 1020.8 | 496.2  | 261.4  | 219.6  | 201.0  | 186.7  | 177.0  | 170.7  | 164.5  | 164.5  |
| 22.5° | 1258.3 | 942.6  | 392.2  | 227.6  | 201.0  | 182.3  | 167.2  | 157.4  | 151.2  | 147.6  | 145.8  |
| 25°   | 1236.9 | 865.2  | 311.2  | 208.1  | 183.2  | 162.7  | 149.4  | 139.6  | 134.3  | 132.5  | 130.7  |
| 27.5° | 1212.9 | 787.9  | 256.1  | 192.1  | 166.3  | 146.7  | 131.6  | 124.5  | 120.9  | 119.2  | 117.4  |
| 30°   | 1193.4 | 717.6  | 222.3  | 178.7  | 150.3  | 130.7  | 117.4  | 111.2  | 108.5  | 107.6  | 105.8  |
| 32.5° | 1195.1 | 658.0  | 199.2  | 163.6  | 137.8  | 118.3  | 104.9  | 98.7   | 98.7   | 97.8   | 97.8   |
| 35°   | 1228.0 | 620.7  | 183.2  | 150.3  | 124.5  | 105.8  | 94.3   | 88.9   | 90.7   | 90.7   | 89.8   |
| 37.5° | 1263.6 | 583.3  | 168.1  | 136.1  | 112.9  | 94.3   | 82.7   | 80.0   | 80.9   | 81.8   | 81.8   |
| 40°   | 1309.9 | 555.8  | 155.6  | 122.7  | 101.4  | 84.5   | 74.7   | 72.0   | 72.0   | 72.0   | 71.1   |
| 42.5° | 1414.8 | 553.1  | 144.9  | 111.2  | 90.7   | 74.7   | 67.6   | 64.0   | 62.2   | 61.4   | 59.6   |
| 45°   | 1562.4 | 572.7  | 137.8  | 100.5  | 80.0   | 67.6   | 61.4   | 56.9   | 51.6   | 48.9   | 48.0   |
| 47.5° | 1752.7 | 623.4  | 131.6  | 90.7   | 70.3   | 61.4   | 55.1   | 48.9   | 41.8   | 38.2   | 37.3   |
| 50°   | 1990.1 | 702.5  | 125.4  | 82.7   | 63.1   | 55.1   | 48.0   | 40.0   | 32.9   | 29.3   | 29.3   |
| 52.5° | 2212.4 | 795.9  | 119.2  | 75.6   | 56.0   | 50.7   | 40.9   | 32.0   | 25.8   | 23.1   | 22.2   |
| 55°   | 2412.5 | 900.8  | 112.0  | 67.6   | 50.7   | 44.5   | 33.8   | 24.9   | 18.7   | 16.0   | 15.1   |
| 57.5° | 2653.5 | 1033.3 | 103.2  | 59.6   | 45.4   | 38.2   | 26.7   | 17.8   | 12.4   | 8.9    | 8.0    |
| 60°   | 2916.7 | 1100.0 | 91.6   | 52.5   | 39.1   | 32.0   | 20.5   | 12.4   | 7.1    | 3.6    | 3.6    |
| 62.5° | 3002.1 | 1067.1 | 77.4   | 45.4   | 33.8   | 25.8   | 15.1   | 8.0    | 2.7    | 0.0    | 0.0    |
| 65°   | 2846.5 | 914.1  | 65.8   | 40.0   | 29.3   | 19.6   | 10.7   | 4.4    | 0.0    | 0.0    | 0.0    |
| 67.5° | 2488.1 | 711.4  | 54.2   | 34.7   | 24.9   | 16.0   | 7.1    | 0.9    | 0.0    | 0.0    | 0.0    |
| 70°   | 2054.1 | 527.3  | 45.4   | 28.5   | 21.3   | 12.4   | 4.4    | 0.0    | 0.0    | 0.0    | 0.0    |
| 72.5° | 1585.5 | 374.4  | 39.1   | 24.0   | 17.8   | 9.8    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 75°   | 895.5  | 201.0  | 35.6   | 24.0   | 16.0   | 8.0    | 1.8    | 0.0    | 0.0    | 0.0    | 0.0    |
| 77.5° | 369.9  | 92.5   | 31.1   | 24.0   | 16.0   | 8.9    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 80°   | 115.6  | 47.1   | 26.7   | 24.9   | 16.9   | 9.8    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 82.5° | 54.2   | 36.5   | 27.6   | 23.1   | 15.1   | 8.9    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 28.5   | 18.7   | 19.6   | 19.6   | 13.3   | 8.0    | 2.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 8.0    | 0.9    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 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)