

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: P695934

Luminaire Tested: **LXF.LXT-PA16-740-U-5WQ-TL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-740-U-5WQ-TL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
AND TEXTURED LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7678 lumens  
Efficiency: N/A  
Efficacy: 106.6 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G3

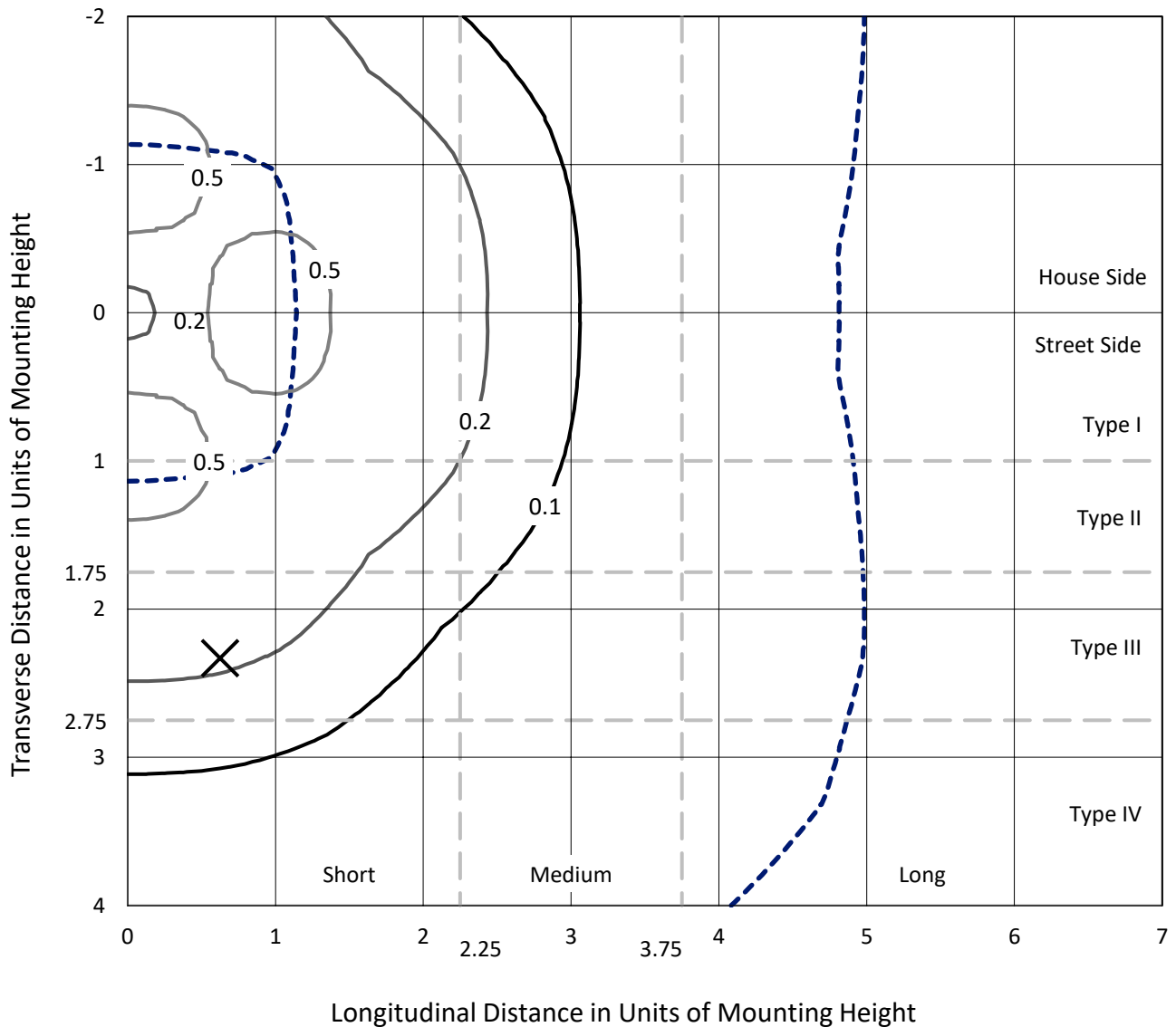
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

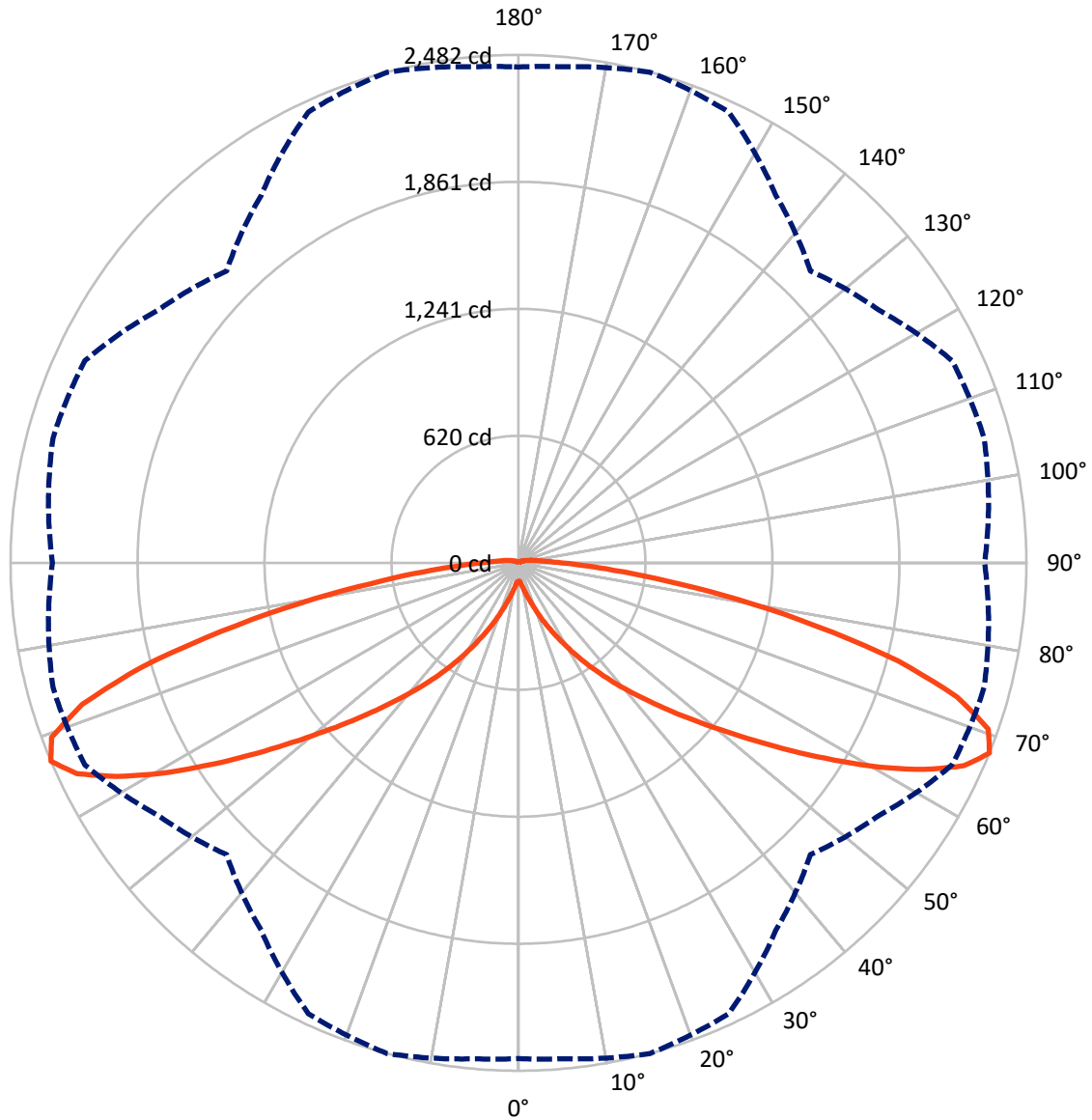
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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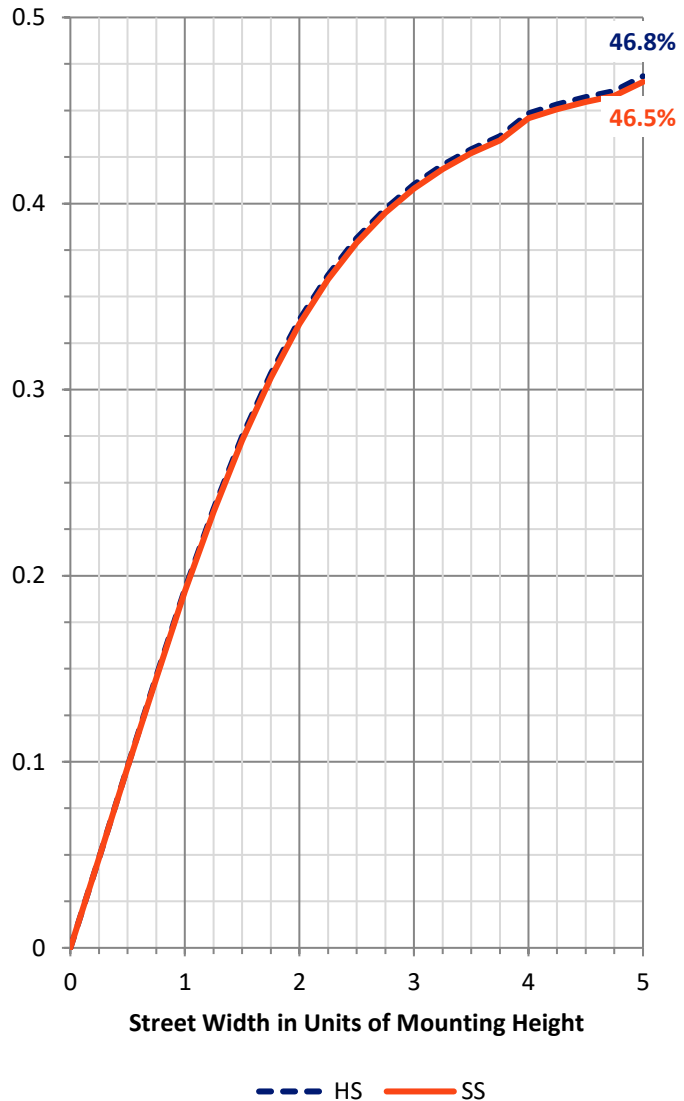
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3715.6   | 123.4  | 3839.0 |
|                    | % Fixture | 48.4     | 1.6    | 50.0   |
| <b>Street Side</b> | Lumens    | 3715.6   | 123.4  | 3839.0 |
|                    | % Fixture | 48.4     | 1.6    | 50.0   |
| <b>Total</b>       | Lumens    | 7431.2   | 246.8  | 7678.0 |
|                    | % Fixture | 96.8     | 3.2    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 10.2   | 0.1       |
| 10°-20°   | 52.1   | 0.7       |
| 20°-30°   | 163.5  | 2.1       |
| 30°-40°   | 384.3  | 5.0       |
| 40°-50°   | 749.4  | 9.8       |
| 50°-60°   | 1371.2 | 17.9      |
| 60°-70°   | 2154.7 | 28.1      |
| 70°-80°   | 1899.7 | 24.7      |
| 80°-90°   | 646.1  | 8.4       |
| 90°-100°  | 144.7  | 1.9       |
| 100°-110° | 55.5   | 0.7       |
| 110°-120° | 24.5   | 0.3       |
| 120°-130° | 12.2   | 0.2       |
| 130°-140° | 6.7    | 0.1       |
| 140°-150° | 3.0    | 0.0       |
| 150°-160° | 0.2    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 7431.2 | 96.8      |
| 0°-180°   | 7678.0 | 100.0     |

**Coefficient of Utilization**



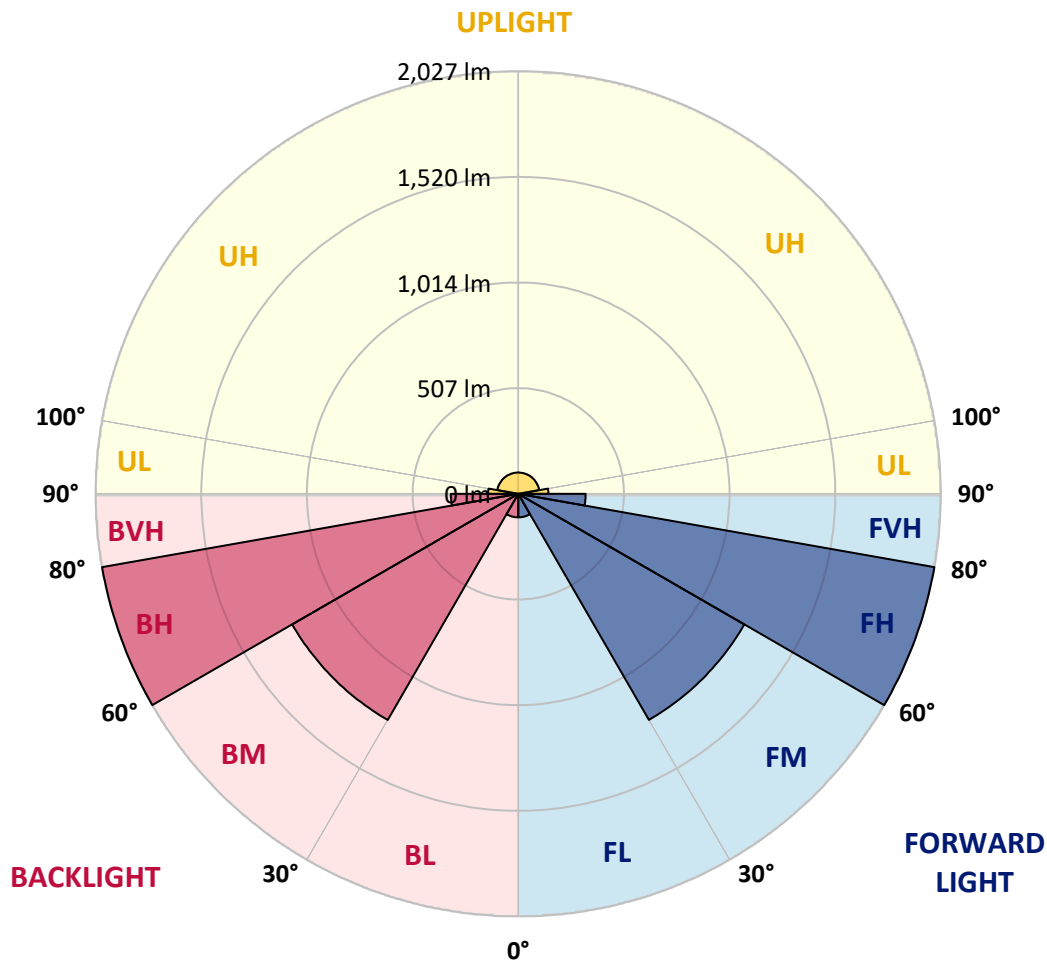
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |        |         |
|----------------|--------|-----------|-------------------------|--------|---------|
|                |        |           | B                       | U      | G       |
| FL (0°-30°)    | 112.9  | 1.5       |                         |        |         |
| FM (30°-60°)   | 1252.5 | 16.3      |                         |        |         |
| FH (60°-80°)   | 2027.2 | 26.4      |                         |        | G2/5000 |
| FVH (80°-90°)  | 323.1  | 4.2       |                         |        | G3/500  |
| BL (0°-30°)    | 112.9  | 1.5       | B1/500                  |        |         |
| BM (30°-60°)   | 1252.5 | 16.3      | B2/2500                 |        |         |
| BH (60°-80°)   | 2027.2 | 26.4      | B3/2500                 |        | G2/5000 |
| BVH (80°-90°)  | 323.1  | 4.2       |                         |        | G3/500  |
| UL (90°-100°)  | 144.7  | 1.9       |                         | U3/500 |         |
| UH (100°-180°) | 102.1  | 1.3       |                         | U3/500 |         |

**BUG Rating: B3-U3-G3**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    | 90°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   | 90.5   |
| 2.5°   | 90.5   | 90.5   | 90.5   | 90.5   | 93.1   | 93.1   | 93.1   | 90.5   | 90.5   | 90.5   | 90.5   |
| 5°     | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 98.2   | 95.6   |
| 7.5°   | 108.6  | 108.6  | 108.6  | 108.6  | 108.6  | 111.2  | 108.6  | 108.6  | 108.6  | 108.6  | 108.6  |
| 10°    | 126.7  | 126.7  | 126.7  | 126.7  | 124.1  | 124.1  | 124.1  | 124.1  | 121.5  | 124.1  | 121.5  |
| 12.5°  | 149.9  | 149.9  | 149.9  | 147.3  | 144.8  | 144.8  | 144.8  | 142.2  | 144.8  | 144.8  | 144.8  |
| 15°    | 180.9  | 180.9  | 178.4  | 175.8  | 170.6  | 168.0  | 170.6  | 170.6  | 170.6  | 173.2  | 173.2  |
| 17.5°  | 214.5  | 217.1  | 212.0  | 206.8  | 201.6  | 201.6  | 199.0  | 201.6  | 206.8  | 209.4  | 209.4  |
| 20°    | 263.7  | 261.1  | 253.3  | 245.6  | 237.8  | 235.2  | 235.2  | 243.0  | 248.2  | 250.7  | 253.3  |
| 22.5°  | 312.8  | 312.8  | 305.0  | 289.5  | 279.2  | 274.0  | 276.6  | 284.3  | 297.3  | 307.6  | 307.6  |
| 25°    | 374.8  | 369.6  | 359.3  | 338.6  | 323.1  | 317.9  | 320.5  | 333.5  | 354.1  | 361.9  | 367.1  |
| 27.5°  | 436.8  | 434.3  | 418.8  | 395.5  | 372.2  | 361.9  | 369.6  | 392.9  | 416.2  | 431.7  | 436.8  |
| 30°    | 509.2  | 506.6  | 488.5  | 457.5  | 426.5  | 411.0  | 423.9  | 452.4  | 488.5  | 506.6  | 511.8  |
| 32.5°  | 589.4  | 586.8  | 563.5  | 522.1  | 480.8  | 465.3  | 480.8  | 522.1  | 563.5  | 586.8  | 589.4  |
| 35°    | 674.7  | 666.9  | 641.1  | 594.5  | 540.2  | 519.6  | 540.2  | 594.5  | 643.6  | 674.7  | 677.2  |
| 37.5°  | 760.0  | 754.8  | 726.4  | 672.1  | 607.5  | 581.6  | 604.9  | 674.7  | 728.9  | 765.1  | 757.4  |
| 40°    | 847.8  | 845.3  | 816.8  | 752.2  | 679.8  | 646.2  | 682.4  | 752.2  | 819.4  | 858.2  | 860.8  |
| 42.5°  | 948.7  | 948.7  | 912.5  | 845.3  | 757.4  | 718.6  | 757.4  | 847.8  | 922.8  | 953.8  | 956.4  |
| 45°    | 1059.8 | 1052.1 | 1023.6 | 951.2  | 850.4  | 803.9  | 850.4  | 951.2  | 1026.2 | 1062.4 | 1059.8 |
| 47.5°  | 1176.1 | 1171.0 | 1145.1 | 1072.7 | 953.8  | 904.7  | 951.2  | 1067.6 | 1145.1 | 1171.0 | 1171.0 |
| 50°    | 1310.5 | 1305.4 | 1282.1 | 1207.1 | 1077.9 | 1018.4 | 1080.5 | 1196.8 | 1282.1 | 1305.4 | 1297.6 |
| 52.5°  | 1465.6 | 1450.1 | 1439.8 | 1367.4 | 1227.8 | 1150.3 | 1217.5 | 1357.1 | 1434.6 | 1439.8 | 1439.8 |
| 55°    | 1618.1 | 1628.5 | 1620.7 | 1543.2 | 1388.1 | 1295.0 | 1377.8 | 1530.3 | 1600.1 | 1610.4 | 1597.5 |
| 57.5°  | 1812.0 | 1822.4 | 1817.2 | 1737.1 | 1569.0 | 1457.9 | 1550.9 | 1719.0 | 1778.4 | 1775.8 | 1773.2 |
| 60°    | 2026.6 | 2031.7 | 2026.6 | 1956.8 | 1770.7 | 1631.1 | 1742.2 | 1918.0 | 1974.9 | 1959.4 | 1946.4 |
| 62.5°  | 2215.3 | 2220.4 | 2223.0 | 2171.3 | 1949.0 | 1793.9 | 1907.7 | 2106.7 | 2150.6 | 2124.8 | 2117.0 |
| 65°    | 2367.8 | 2365.2 | 2391.0 | 2336.7 | 2101.5 | 1928.3 | 2057.6 | 2267.0 | 2292.8 | 2251.4 | 2238.5 |
| 67.5°  | 2422.0 | 2432.4 | 2481.5 | 2429.8 | 2192.0 | 2016.2 | 2150.6 | 2336.7 | 2354.8 | 2303.1 | 2277.3 |
| 70°    | 2352.3 | 2375.5 | 2435.0 | 2409.1 | 2192.0 | 2029.1 | 2153.2 | 2316.1 | 2308.3 | 2243.7 | 2217.8 |
| 72.5°  | 2161.0 | 2166.1 | 2241.1 | 2254.0 | 2093.8 | 1959.4 | 2055.0 | 2171.3 | 2132.5 | 2044.7 | 2036.9 |
| 75°    | 1822.4 | 1822.4 | 1915.4 | 1972.3 | 1884.4 | 1775.8 | 1850.8 | 1902.5 | 1843.0 | 1739.6 | 1726.7 |
| 77.5°  | 1395.8 | 1411.4 | 1488.9 | 1613.0 | 1592.3 | 1540.6 | 1574.2 | 1584.5 | 1460.5 | 1351.9 | 1354.5 |
| 80°    | 982.3  | 1002.9 | 1085.7 | 1212.3 | 1248.5 | 1245.9 | 1253.7 | 1186.5 | 1070.1 | 982.3  | 969.3  |
| 82.5°  | 659.1  | 648.8  | 726.4  | 840.1  | 925.4  | 940.9  | 935.7  | 842.7  | 728.9  | 646.2  | 635.9  |
| 85°    | 400.7  | 403.2  | 465.3  | 558.3  | 635.9  | 674.7  | 646.2  | 563.5  | 460.1  | 405.8  | 403.2  |
| 87.5°  | 248.2  | 253.3  | 289.5  | 351.5  | 431.7  | 467.9  | 436.8  | 364.5  | 289.5  | 250.7  | 248.2  |
| 90°    | 168.0  | 168.0  | 191.3  | 230.1  | 284.3  | 320.5  | 292.1  | 235.2  | 191.3  | 168.0  | 165.4  |
| 92.5°  | 121.5  | 126.7  | 134.4  | 160.3  | 199.0  | 222.3  | 201.6  | 160.3  | 134.4  | 121.5  | 118.9  |
| 95°    | 95.6   | 95.6   | 103.4  | 116.3  | 144.8  | 160.3  | 144.8  | 118.9  | 103.4  | 93.1   | 93.1   |
| 97.5°  | 75.0   | 77.5   | 82.7   | 93.1   | 111.2  | 121.5  | 111.2  | 93.1   | 82.7   | 75.0   | 72.4   |
| 100°   | 59.5   | 62.0   | 67.2   | 77.5   | 90.5   | 95.6   | 90.5   | 77.5   | 67.2   | 59.5   | 59.5   |
| 102.5° | 46.5   | 49.1   | 54.3   | 64.6   | 75.0   | 77.5   | 75.0   | 62.0   | 54.3   | 46.5   | 46.5   |
| 105°   | 36.2   | 36.2   | 43.9   | 54.3   | 62.0   | 64.6   | 62.0   | 51.7   | 43.9   | 36.2   | 36.2   |
| 107.5° | 28.4   | 28.4   | 36.2   | 43.9   | 51.7   | 54.3   | 51.7   | 43.9   | 33.6   | 28.4   | 28.4   |
| 110°   | 23.3   | 23.3   | 28.4   | 36.2   | 43.9   | 46.5   | 43.9   | 36.2   | 28.4   | 23.3   | 23.3   |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°   | 5°   | 15°  | 25°  | 35°  | 45°  | 55°  | 65°  | 75°  | 85°  | 90°  |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 18.1 | 18.1 | 23.3 | 31.0 | 36.2 | 38.8 | 36.2 | 31.0 | 23.3 | 18.1 | 18.1 |
| 115°   | 15.5 | 15.5 | 18.1 | 25.8 | 31.0 | 33.6 | 31.0 | 25.8 | 18.1 | 15.5 | 15.5 |
| 117.5° | 12.9 | 12.9 | 15.5 | 20.7 | 25.8 | 28.4 | 25.8 | 20.7 | 15.5 | 12.9 | 12.9 |
| 120°   | 12.9 | 12.9 | 12.9 | 18.1 | 23.3 | 25.8 | 23.3 | 18.1 | 12.9 | 12.9 | 12.9 |
| 122.5° | 10.3 | 10.3 | 12.9 | 15.5 | 20.7 | 20.7 | 18.1 | 15.5 | 12.9 | 10.3 | 10.3 |
| 125°   | 10.3 | 10.3 | 10.3 | 12.9 | 15.5 | 18.1 | 15.5 | 12.9 | 10.3 | 10.3 | 10.3 |
| 127.5° | 10.3 | 10.3 | 10.3 | 10.3 | 15.5 | 15.5 | 15.5 | 10.3 | 10.3 | 10.3 | 10.3 |
| 130°   | 7.8  | 7.8  | 7.8  | 10.3 | 12.9 | 12.9 | 12.9 | 10.3 | 10.3 | 7.8  | 10.3 |
| 132.5° | 7.8  | 7.8  | 7.8  | 10.3 | 10.3 | 12.9 | 10.3 | 10.3 | 7.8  | 7.8  | 7.8  |
| 135°   | 7.8  | 7.8  | 7.8  | 7.8  | 10.3 | 10.3 | 10.3 | 7.8  | 7.8  | 7.8  | 7.8  |
| 137.5° | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  | 7.8  |
| 140°   | 5.2  | 5.2  | 5.2  | 5.2  | 7.8  | 7.8  | 7.8  | 5.2  | 5.2  | 7.8  | 5.2  |
| 142.5° | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  |
| 145°   | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  |
| 147.5° | 2.6  | 5.2  | 2.6  | 2.6  | 2.6  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  | 5.2  |
| 150°   | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  | 2.6  |
| 152.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 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)