

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: McGRAW-EDISON

Report Number: P595573

Luminaire Tested: **ISW-PA1B-760-U-T3**

Issue Date: 3/22/2022

**Test Information**

Test Method: LM-79-08  
Report Number: P595573  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2201-510-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/22/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: ISW-PA1B-760-U-T3  
Description: IMPACT ELITE LED WEDGE LUMINAIRE  
(1) 70 CRI, 5700K, 450mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5117 lumens  
Efficiency: N/A  
Efficacy: 140.6 lumens/watt  
Luminous Opening: Rectangular (W 0.75' x L: 0.5' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U0 - G2

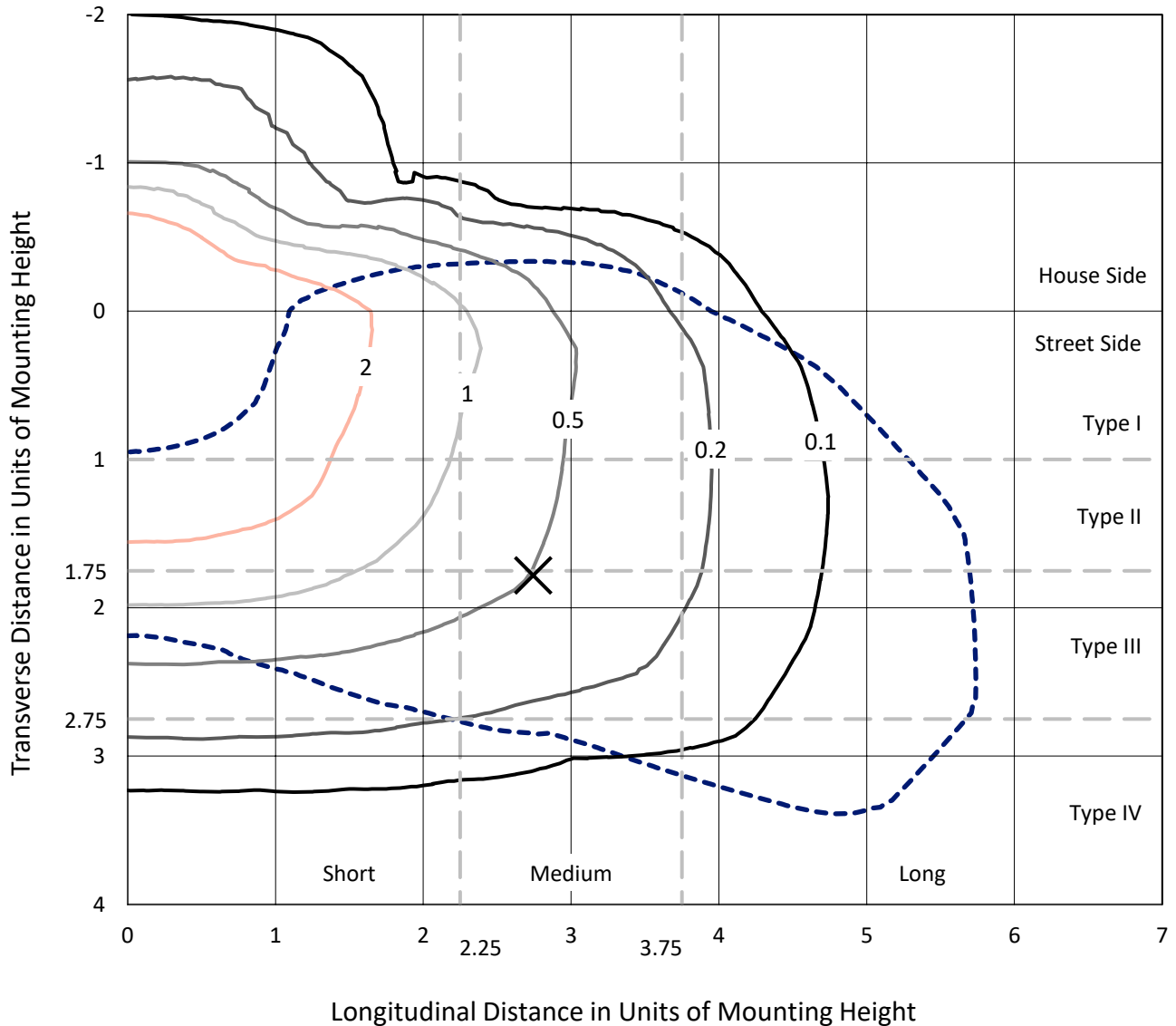
Input Watts (W): 36.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

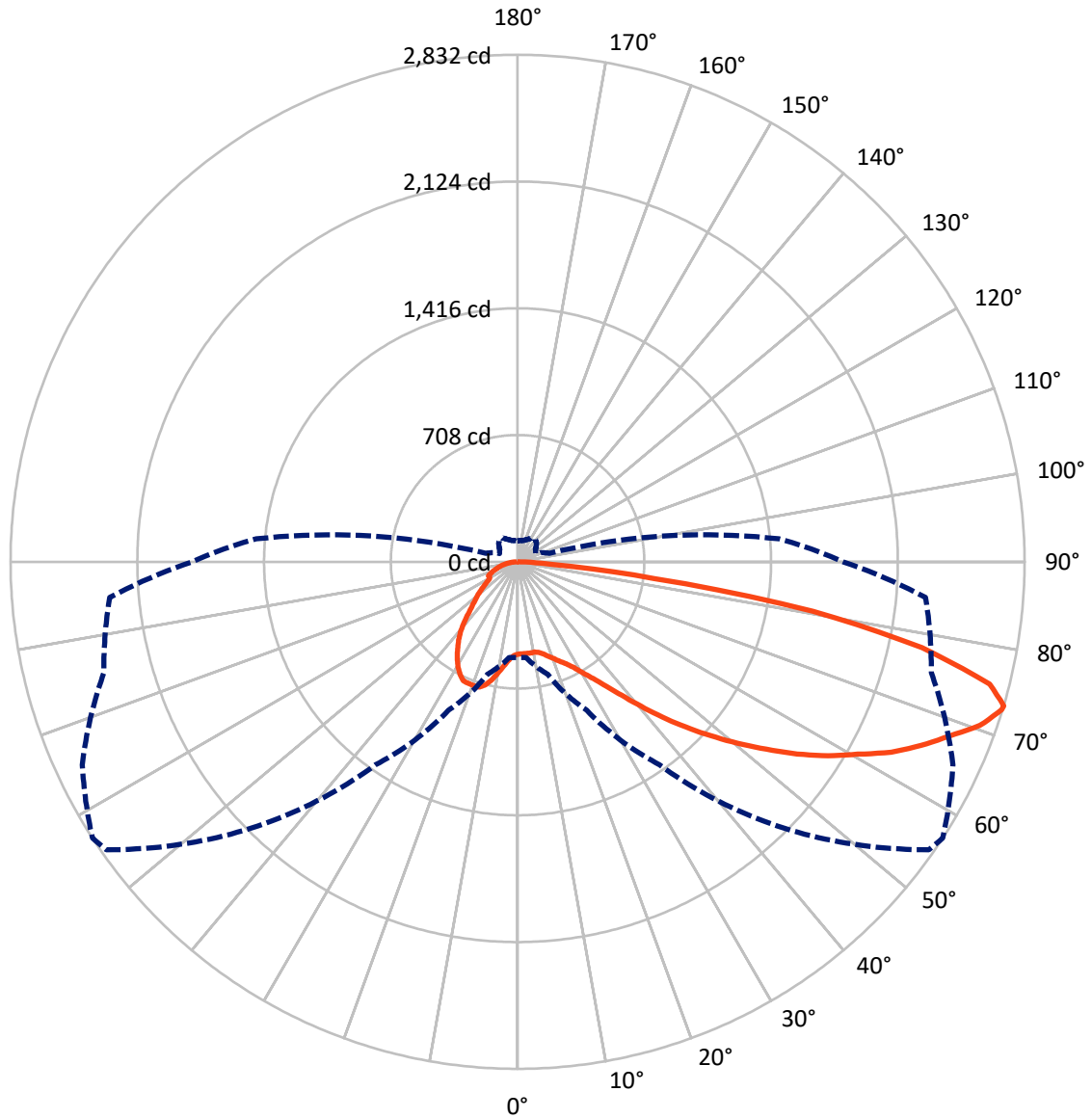
× Max cd  
 - - - 1/2 Max cd



Based on 12 foot mounting height. Maximum calculated value = 4.4 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1220.7   | 0.0    | 1220.7 |
|                    | % Fixture | 23.9     | 0.0    | 23.9   |
| <b>Street Side</b> | Lumens    | 3896.3   | 0.0    | 3896.3 |
|                    | % Fixture | 76.1     | 0.0    | 76.1   |
| <b>Total</b>       | Lumens    | 5117.0   | 0.0    | 5117.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 51.4   | 1.0       |
| 10°-20°   | 169.3  | 3.3       |
| 20°-30°   | 312.5  | 6.1       |
| 30°-40°   | 482.6  | 9.4       |
| 40°-50°   | 726.4  | 14.2      |
| 50°-60°   | 1063.1 | 20.8      |
| 60°-70°   | 1255.4 | 24.5      |
| 70°-80°   | 898.8  | 17.6      |
| 80°-90°   | 157.5  | 3.1       |
| 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°    | 5117.0 | 100.0     |
| 0°-180°   | 5117.0 | 100.0     |

**Coefficient of Utilization**

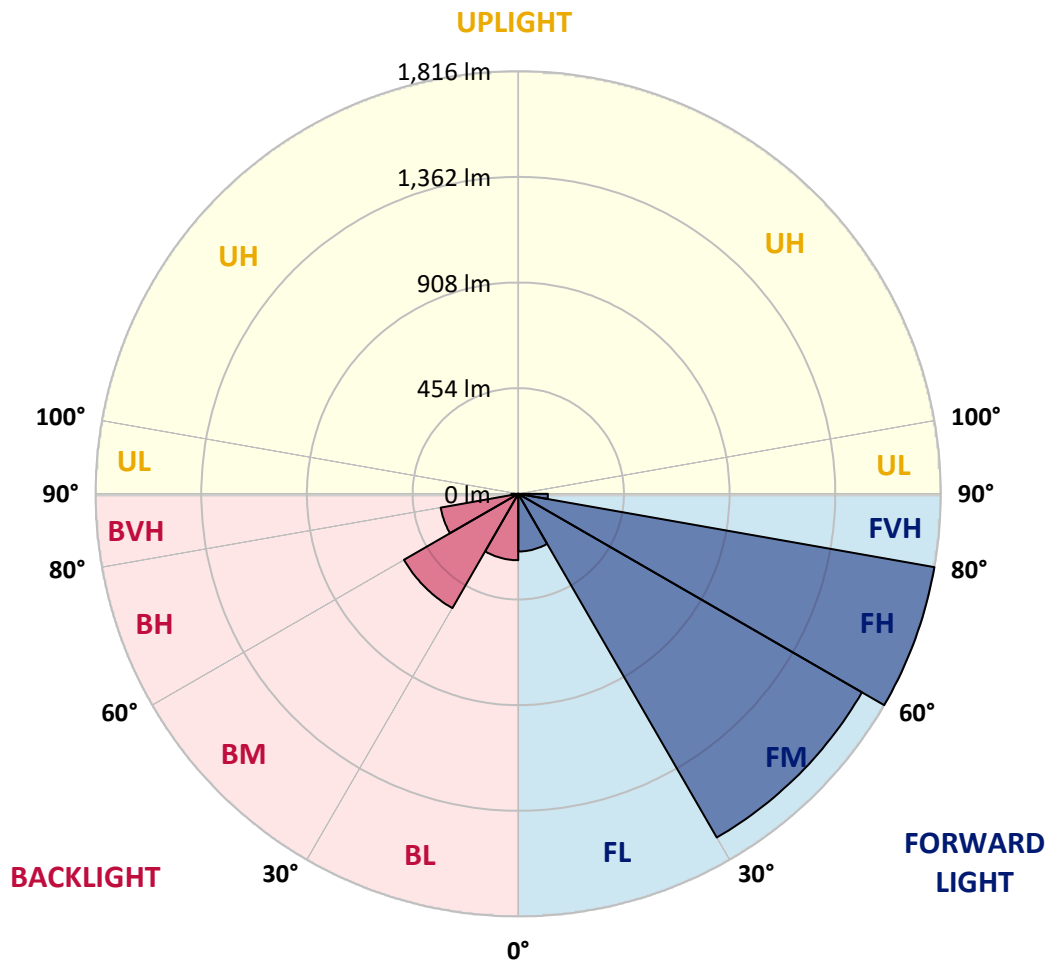


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 247.9  | 4.8       |                         |      |         |
| FM (30°-60°)   | 1705.1 | 33.3      |                         |      |         |
| FH (60°-80°)   | 1815.8 | 35.5      |                         |      | G2/5000 |
| FVH (80°-90°)  | 127.4  | 2.5       |                         |      | G2/225  |
| BL (0°-30°)    | 285.3  | 5.6       | B1/500                  |      |         |
| BM (30°-60°)   | 566.9  | 11.1      | B1/1000                 |      |         |
| BH (60°-80°)   | 338.5  | 6.6       | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 30.1   | 0.6       |                         |      | G1/100  |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 57°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  | 515.5  |
| 2.5°  | 509.3  | 511.8  | 510.5  | 511.8  | 515.5  | 513.0  | 513.0  | 514.3  | 515.5  | 514.3  | 516.8  |
| 5°    | 487.9  | 489.2  | 491.7  | 496.7  | 505.5  | 508.0  | 514.3  | 514.3  | 516.8  | 519.3  | 523.1  |
| 7.5°  | 452.8  | 455.3  | 460.3  | 465.4  | 480.4  | 495.5  | 511.8  | 514.3  | 523.1  | 529.3  | 531.8  |
| 10°   | 446.6  | 449.1  | 450.3  | 457.8  | 472.9  | 487.9  | 508.0  | 513.0  | 529.3  | 539.4  | 550.7  |
| 12.5° | 440.3  | 442.8  | 446.6  | 456.6  | 475.4  | 491.7  | 513.0  | 518.0  | 538.1  | 558.2  | 572.0  |
| 15°   | 445.3  | 446.6  | 450.3  | 460.3  | 479.2  | 501.7  | 529.3  | 533.1  | 555.7  | 580.8  | 602.1  |
| 17.5° | 457.8  | 459.1  | 457.8  | 466.6  | 484.2  | 510.5  | 548.2  | 554.4  | 582.0  | 607.1  | 628.4  |
| 20°   | 486.7  | 487.9  | 482.9  | 482.9  | 495.5  | 521.8  | 568.2  | 577.0  | 610.9  | 638.5  | 659.8  |
| 22.5° | 549.4  | 546.9  | 534.4  | 518.0  | 518.0  | 539.4  | 590.8  | 603.3  | 646.0  | 668.6  | 687.4  |
| 25°   | 638.5  | 638.5  | 618.4  | 588.3  | 568.2  | 565.7  | 617.1  | 630.9  | 681.1  | 708.7  | 720.0  |
| 27.5° | 746.3  | 747.6  | 715.0  | 674.8  | 636.0  | 617.1  | 654.8  | 668.6  | 725.0  | 753.9  | 757.6  |
| 30°   | 841.7  | 842.9  | 810.3  | 772.7  | 725.0  | 683.6  | 704.9  | 720.0  | 785.2  | 807.8  | 795.3  |
| 32.5° | 937.0  | 938.3  | 915.7  | 864.3  | 814.1  | 762.6  | 768.9  | 777.7  | 844.2  | 865.5  | 845.4  |
| 35°   | 1019.8 | 1023.6 | 1001.0 | 962.1  | 909.4  | 863.0  | 851.7  | 853.0  | 913.2  | 927.0  | 900.6  |
| 37.5° | 1103.8 | 1103.8 | 1090.0 | 1053.7 | 1008.5 | 957.1  | 942.0  | 945.8  | 999.7  | 1013.5 | 975.9  |
| 40°   | 1210.5 | 1215.5 | 1207.9 | 1162.8 | 1111.4 | 1068.7 | 1053.7 | 1058.7 | 1117.6 | 1110.1 | 1070.0 |
| 42.5° | 1339.7 | 1350.9 | 1338.4 | 1289.5 | 1234.3 | 1186.6 | 1186.6 | 1186.6 | 1236.8 | 1238.0 | 1177.8 |
| 45°   | 1505.2 | 1505.2 | 1492.7 | 1450.0 | 1377.3 | 1329.6 | 1313.3 | 1317.1 | 1361.0 | 1366.0 | 1295.7 |
| 47.5° | 1643.2 | 1655.7 | 1642.0 | 1610.6 | 1552.9 | 1507.7 | 1456.3 | 1450.0 | 1486.4 | 1486.4 | 1426.2 |
| 50°   | 1754.8 | 1777.4 | 1766.1 | 1779.9 | 1738.5 | 1716.0 | 1610.6 | 1593.0 | 1605.6 | 1618.1 | 1551.6 |
| 52.5° | 1847.7 | 1865.2 | 1861.5 | 1901.6 | 1921.7 | 1934.2 | 1767.4 | 1739.8 | 1749.8 | 1748.6 | 1688.4 |
| 55°   | 1853.9 | 1860.2 | 1916.7 | 2007.0 | 2086.0 | 2144.9 | 1925.4 | 1895.3 | 1885.3 | 1880.3 | 1833.9 |
| 57.5° | 1817.6 | 1821.3 | 1934.2 | 2040.8 | 2212.7 | 2280.4 | 2074.7 | 2044.6 | 2030.8 | 2013.2 | 1994.4 |
| 60°   | 1729.8 | 1748.6 | 1896.6 | 2060.9 | 2287.9 | 2385.8 | 2213.9 | 2182.6 | 2172.5 | 2134.9 | 2177.6 |
| 62.5° | 1618.1 | 1626.9 | 1774.9 | 2019.5 | 2298.0 | 2430.9 | 2360.7 | 2341.9 | 2310.5 | 2256.6 | 2340.6 |
| 65°   | 1460.1 | 1458.8 | 1589.3 | 1897.8 | 2246.5 | 2453.5 | 2484.9 | 2474.8 | 2436.0 | 2343.1 | 2486.1 |
| 67.5° | 1199.2 | 1228.0 | 1356.0 | 1682.1 | 2122.4 | 2476.1 | 2611.6 | 2599.0 | 2537.6 | 2420.9 | 2555.1 |
| 70°   | 914.4  | 932.0  | 1077.5 | 1358.5 | 1875.3 | 2414.6 | 2735.7 | 2739.5 | 2627.9 | 2437.2 | 2525.0 |
| 72.5° | 583.3  | 613.4  | 728.8  | 989.7  | 1501.5 | 2186.3 | 2809.8 | 2827.3 | 2678.0 | 2414.6 | 2338.1 |
| 73°   | 534.4  | 536.9  | 649.8  | 915.7  | 1384.8 | 2104.8 | 2804.7 | 2832.3 | 2683.1 | 2392.1 | 2286.7 |
| 75°   | 318.6  | 332.4  | 400.1  | 608.4  | 988.4  | 1690.9 | 2669.3 | 2724.5 | 2656.7 | 2291.7 | 2004.5 |
| 77.5° | 149.3  | 159.3  | 196.9  | 321.1  | 538.1  | 1017.3 | 2244.0 | 2309.3 | 2354.4 | 2005.7 | 1527.8 |
| 80°   | 79.0   | 80.3   | 96.6   | 161.8  | 288.5  | 419.0  | 1564.2 | 1672.1 | 1736.0 | 1510.2 | 1027.3 |
| 82.5° | 66.5   | 66.5   | 75.3   | 104.1  | 184.4  | 163.1  | 644.7  | 767.7  | 940.8  | 743.8  | 403.9  |
| 85°   | 53.9   | 55.2   | 75.3   | 77.8   | 131.7  | 84.0   | 154.3  | 193.2  | 365.0  | 328.6  | 45.2   |
| 87.5° | 17.6   | 20.1   | 42.6   | 55.2   | 70.2   | 32.6   | 38.9   | 42.6   | 42.6   | 62.7   | 15.1   |
| 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°    | 515.5  | 515.5  | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 | 515.5 |
| 2.5°  | 518.0  | 518.0  | 519.3 | 520.6 | 523.1 | 523.1 | 525.6 | 526.8 | 529.3 | 530.6 | 526.8 |
| 5°    | 523.1  | 525.6  | 528.1 | 535.6 | 544.4 | 551.9 | 559.4 | 565.7 | 572.0 | 575.7 | 574.5 |
| 7.5°  | 536.9  | 540.6  | 550.7 | 564.5 | 582.0 | 593.3 | 604.6 | 615.9 | 620.9 | 623.4 | 623.4 |
| 10°   | 555.7  | 563.2  | 582.0 | 604.6 | 624.7 | 642.2 | 651.0 | 658.5 | 661.0 | 663.6 | 661.0 |
| 12.5° | 582.0  | 592.1  | 620.9 | 649.8 | 672.3 | 681.1 | 679.9 | 669.8 | 656.0 | 653.5 | 651.0 |
| 15°   | 615.9  | 628.4  | 661.0 | 694.9 | 712.5 | 701.2 | 672.3 | 662.3 | 659.8 | 667.3 | 664.8 |
| 17.5° | 644.7  | 659.8  | 699.9 | 735.1 | 731.3 | 692.4 | 683.6 | 688.6 | 686.1 | 687.4 | 687.4 |
| 20°   | 672.3  | 693.7  | 736.3 | 760.1 | 727.5 | 702.4 | 694.9 | 688.6 | 681.1 | 683.6 | 681.1 |
| 22.5° | 707.5  | 722.5  | 771.4 | 772.7 | 722.5 | 702.4 | 686.1 | 673.6 | 671.1 | 672.3 | 673.6 |
| 25°   | 735.1  | 758.9  | 801.5 | 763.9 | 722.5 | 682.4 | 659.8 | 657.3 | 658.5 | 666.1 | 663.6 |
| 27.5° | 772.7  | 796.5  | 825.4 | 758.9 | 692.4 | 649.8 | 641.0 | 639.7 | 630.9 | 633.4 | 633.4 |
| 30°   | 807.8  | 836.7  | 837.9 | 758.9 | 654.8 | 622.2 | 609.6 | 587.0 | 568.2 | 572.0 | 570.7 |
| 32.5° | 855.5  | 880.6  | 840.4 | 728.8 | 612.1 | 585.8 | 551.9 | 516.8 | 508.0 | 513.0 | 514.3 |
| 35°   | 910.7  | 930.7  | 842.9 | 678.6 | 569.5 | 534.4 | 472.9 | 452.8 | 451.6 | 455.3 | 459.1 |
| 37.5° | 983.4  | 994.7  | 861.7 | 620.9 | 528.1 | 454.1 | 406.4 | 401.4 | 390.1 | 382.6 | 383.8 |
| 40°   | 1072.5 | 1058.7 | 898.1 | 569.5 | 479.2 | 381.3 | 361.3 | 347.5 | 326.1 | 304.8 | 308.6 |
| 42.5° | 1171.6 | 1132.7 | 909.4 | 528.1 | 412.7 | 336.2 | 317.4 | 296.0 | 269.7 | 247.1 | 245.9 |
| 45°   | 1278.2 | 1215.5 | 899.4 | 495.5 | 346.2 | 302.3 | 282.2 | 257.1 | 225.8 | 207.0 | 207.0 |
| 47.5° | 1404.9 | 1294.5 | 868.0 | 469.1 | 299.8 | 272.2 | 247.1 | 222.0 | 200.7 | 183.1 | 183.1 |
| 50°   | 1544.1 | 1386.1 | 845.4 | 422.7 | 267.2 | 243.3 | 218.3 | 198.2 | 181.9 | 168.1 | 168.1 |
| 52.5° | 1690.9 | 1472.6 | 826.6 | 355.0 | 238.3 | 217.0 | 199.4 | 183.1 | 169.3 | 151.8 | 149.3 |
| 55°   | 1840.1 | 1555.4 | 835.4 | 289.8 | 212.0 | 198.2 | 186.9 | 170.6 | 165.6 | 161.8 | 159.3 |
| 57.5° | 1995.7 | 1645.7 | 856.7 | 237.1 | 189.4 | 188.2 | 183.1 | 194.4 | 205.7 | 198.2 | 194.4 |
| 60°   | 2117.4 | 1716.0 | 859.2 | 199.4 | 175.6 | 198.2 | 223.3 | 227.0 | 196.9 | 179.4 | 178.1 |
| 62.5° | 2213.9 | 1782.4 | 800.3 | 173.1 | 179.4 | 233.3 | 238.3 | 200.7 | 170.6 | 163.1 | 163.1 |
| 65°   | 2264.1 | 1806.3 | 643.5 | 158.0 | 186.9 | 223.3 | 215.7 | 180.6 | 159.3 | 158.0 | 158.0 |
| 67.5° | 2239.0 | 1787.5 | 450.3 | 141.7 | 165.6 | 193.2 | 193.2 | 165.6 | 146.8 | 153.0 | 150.5 |
| 70°   | 2118.6 | 1694.6 | 297.3 | 127.9 | 145.5 | 174.4 | 179.4 | 154.3 | 136.7 | 140.5 | 136.7 |
| 72.5° | 1867.7 | 1529.1 | 195.7 | 112.9 | 125.4 | 154.3 | 166.8 | 141.7 | 125.4 | 124.2 | 120.4 |
| 73°   | 1818.8 | 1466.3 | 184.4 | 110.4 | 121.7 | 149.3 | 163.1 | 139.2 | 122.9 | 119.2 | 116.7 |
| 75°   | 1542.9 | 1223.0 | 139.2 | 99.1  | 107.9 | 134.2 | 151.8 | 130.5 | 112.9 | 107.9 | 105.4 |
| 77.5° | 1123.9 | 847.9  | 104.1 | 84.0  | 90.3  | 116.7 | 134.2 | 119.2 | 100.3 | 94.1  | 92.8  |
| 80°   | 701.2  | 461.6  | 77.8  | 67.7  | 71.5  | 97.8  | 117.9 | 106.6 | 86.6  | 79.0  | 77.8  |
| 82.5° | 274.7  | 150.5  | 53.9  | 50.2  | 52.7  | 74.0  | 99.1  | 92.8  | 72.8  | 66.5  | 62.7  |
| 85°   | 45.2   | 51.4   | 35.1  | 33.9  | 33.9  | 52.7  | 75.3  | 71.5  | 48.9  | 42.6  | 37.6  |
| 87.5° | 12.5   | 23.8   | 13.8  | 12.5  | 12.5  | 22.6  | 41.4  | 32.6  | 20.1  | 16.3  | 15.1  |
| 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)