

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: LUMARK

Report Number: P144031

Luminaire Tested: **LDRV-5WQ-E02-E-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144031  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33698)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: LDRV-5WQ-E02-E-7050  
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE  
Light Source: (42) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6291.2 lumens  
Efficiency: N/A  
Efficacy: 120.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type V - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G1

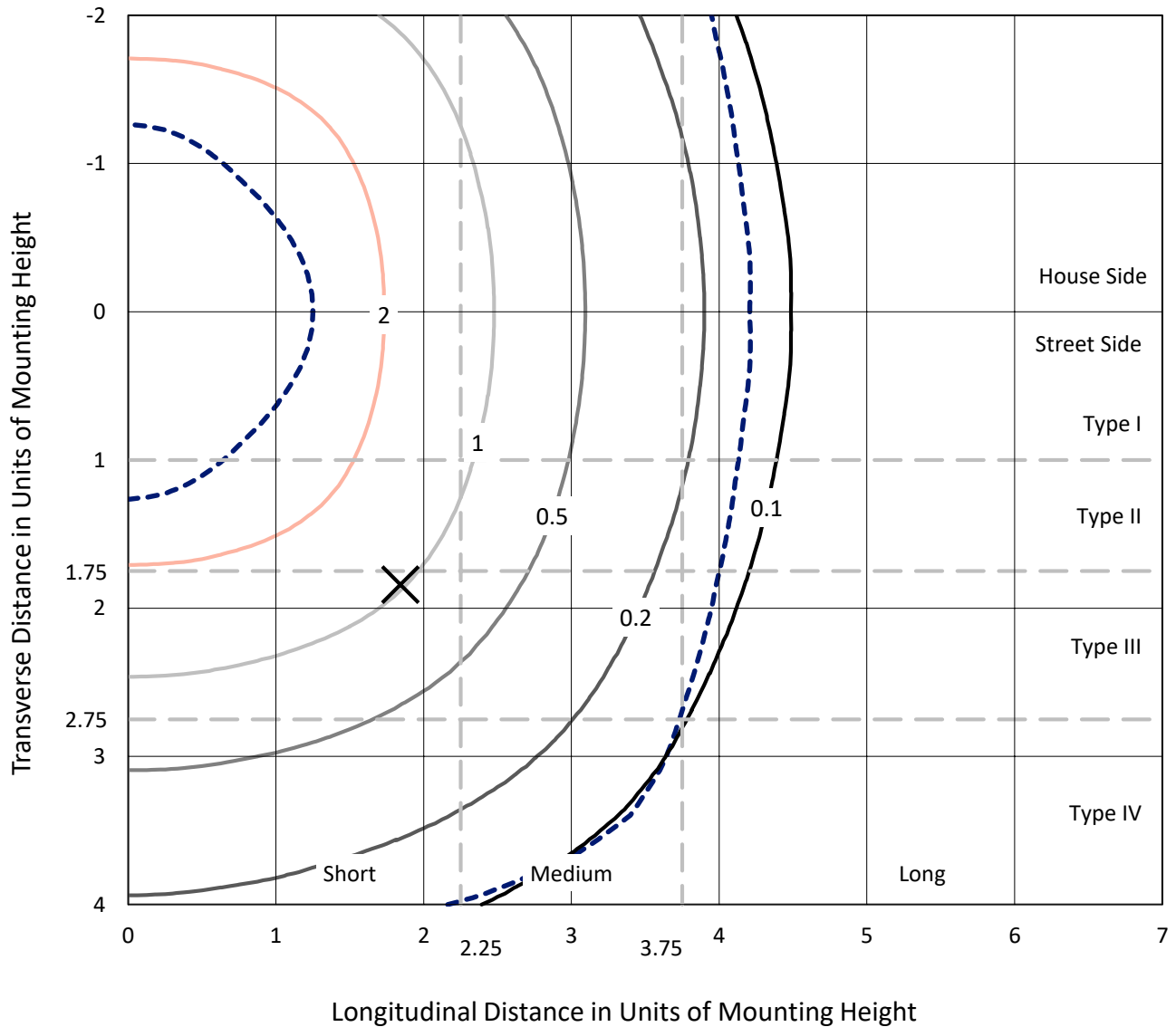
Input Watts (W): 52.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

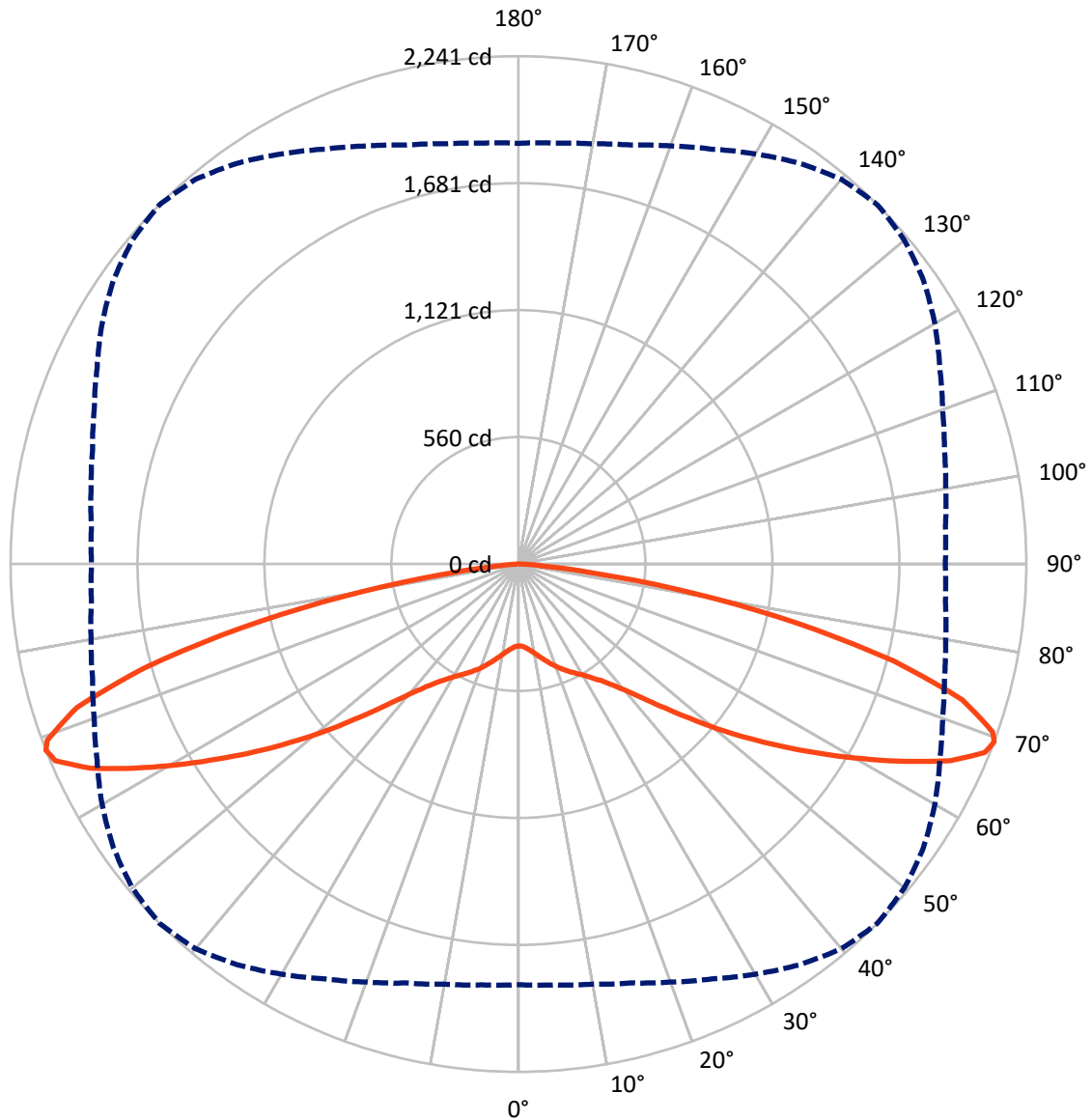
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4 fc  
 Type V - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3145.6   | 0.0    | 3145.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3145.6   | 0.0    | 3145.6 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 6291.2   | 0.0    | 6291.2 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 36.5   | 0.6       |
| 10°-20°   | 125.7  | 2.0       |
| 20°-30°   | 242.3  | 3.9       |
| 30°-40°   | 397.1  | 6.3       |
| 40°-50°   | 690.5  | 11.0      |
| 50°-60°   | 1226.6 | 19.5      |
| 60°-70°   | 1904.3 | 30.3      |
| 70°-80°   | 1517.3 | 24.1      |
| 80°-90°   | 150.9  | 2.4       |
| 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°    | 6291.2 | 100.0     |
| 0°-180°   | 6291.2 | 100.0     |



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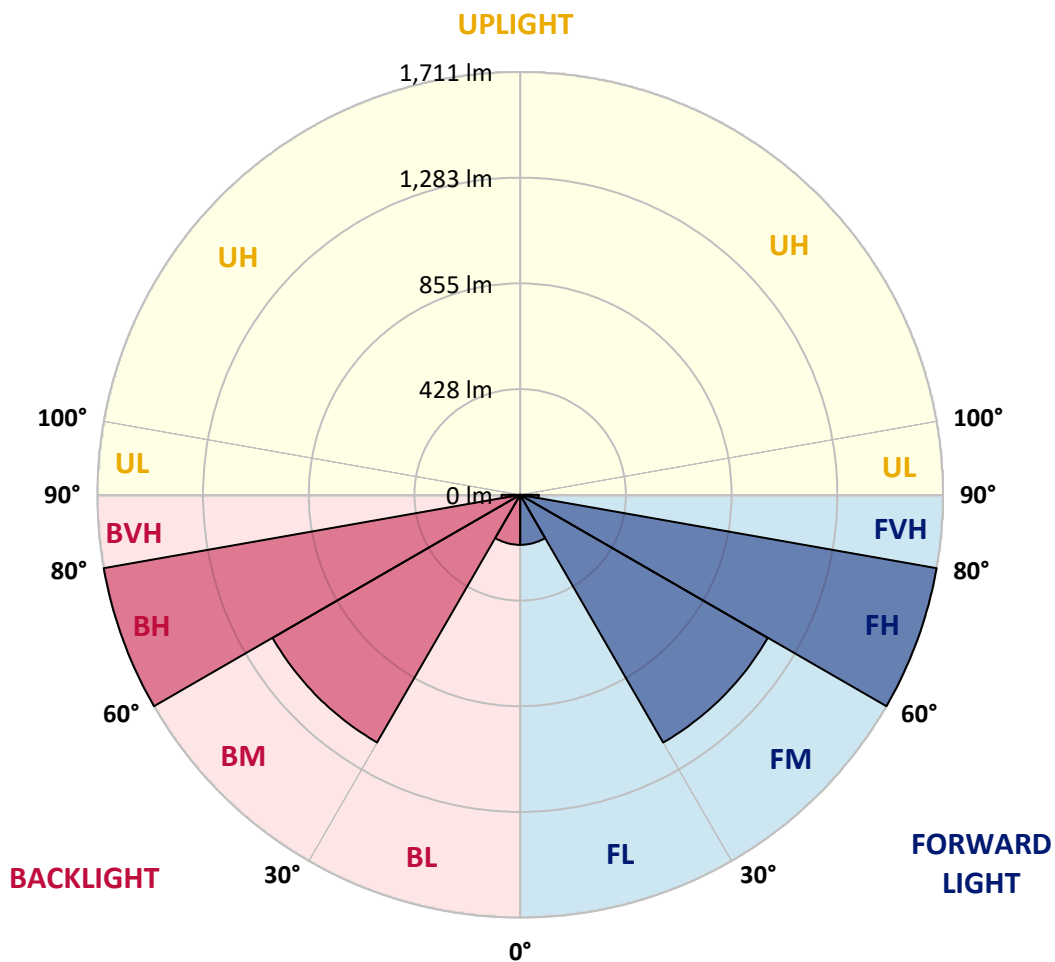
CATALOG NUMBER: LDRV-5WQ-E02-E-7050

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 202.3  | 3.2       |                         |      |         |
| FM   | (30°-60°)   | 1157.1 | 18.4      |                         |      |         |
| FH   | (60°-80°)   | 1710.8 | 27.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 75.4   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 202.3  | 3.2       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1157.1 | 18.4      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1710.8 | 27.2      | B3/2500                 |      | G1/1800 |
| BVH  | (80°-90°)   | 75.4   | 1.2       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  |
| 2.5°  | 364.5  | 364.5  | 364.5  | 364.1  | 364.1  | 363.7  | 364.1  | 363.7  | 363.7  | 363.7  | 363.7  |
| 5°    | 373.9  | 373.1  | 373.1  | 372.7  | 373.5  | 373.5  | 372.7  | 373.1  | 372.7  | 373.1  | 373.1  |
| 7.5°  | 385.8  | 385.8  | 385.8  | 385.4  | 386.2  | 385.8  | 385.4  | 385.8  | 385.8  | 385.4  | 385.4  |
| 10°   | 400.6  | 401.0  | 400.6  | 400.6  | 401.8  | 401.4  | 401.8  | 401.8  | 402.2  | 401.8  | 401.8  |
| 12.5° | 417.8  | 417.8  | 418.2  | 418.7  | 419.1  | 419.5  | 420.7  | 420.3  | 421.1  | 420.3  | 420.3  |
| 15°   | 437.9  | 438.8  | 437.9  | 437.9  | 439.2  | 440.0  | 440.4  | 440.4  | 441.2  | 440.8  | 440.0  |
| 17.5° | 459.3  | 459.7  | 459.3  | 458.9  | 460.1  | 461.3  | 461.7  | 461.7  | 463.0  | 462.2  | 462.2  |
| 20°   | 481.0  | 481.4  | 480.6  | 480.2  | 481.9  | 481.9  | 482.7  | 483.1  | 484.3  | 484.7  | 483.5  |
| 22.5° | 501.1  | 501.6  | 501.1  | 500.7  | 502.4  | 502.4  | 503.6  | 504.0  | 505.7  | 505.3  | 505.3  |
| 25°   | 520.9  | 520.9  | 520.4  | 520.4  | 522.1  | 522.5  | 523.7  | 524.5  | 526.2  | 526.2  | 526.2  |
| 27.5° | 538.9  | 539.3  | 538.5  | 538.1  | 541.4  | 542.6  | 543.4  | 545.1  | 546.3  | 547.1  | 546.7  |
| 30°   | 559.4  | 559.4  | 559.0  | 560.3  | 562.3  | 563.9  | 565.6  | 568.1  | 570.5  | 569.7  | 569.7  |
| 32.5° | 583.6  | 584.5  | 584.1  | 585.7  | 588.2  | 590.6  | 592.7  | 595.6  | 596.8  | 598.8  | 597.2  |
| 35°   | 616.1  | 617.7  | 616.9  | 618.5  | 620.6  | 622.2  | 626.7  | 629.6  | 631.7  | 632.9  | 632.1  |
| 37.5° | 656.7  | 655.9  | 657.5  | 657.9  | 662.0  | 664.1  | 669.4  | 673.5  | 676.8  | 678.1  | 677.2  |
| 40°   | 707.2  | 706.0  | 708.0  | 710.1  | 715.4  | 717.5  | 723.6  | 729.8  | 734.3  | 735.9  | 735.1  |
| 42.5° | 767.5  | 769.2  | 772.5  | 775.3  | 782.7  | 788.5  | 795.4  | 804.5  | 809.4  | 811.4  | 808.6  |
| 45°   | 846.7  | 843.9  | 850.0  | 857.4  | 861.5  | 874.2  | 885.7  | 895.2  | 903.4  | 906.7  | 903.4  |
| 47.5° | 937.0  | 936.6  | 944.0  | 953.0  | 963.7  | 975.6  | 989.2  | 1001.5 | 1015.8 | 1016.7 | 1012.6 |
| 50°   | 1036.8 | 1045.0 | 1049.1 | 1058.1 | 1077.8 | 1092.6 | 1109.8 | 1128.3 | 1141.4 | 1145.5 | 1138.2 |
| 52.5° | 1157.0 | 1163.2 | 1165.7 | 1180.8 | 1198.9 | 1217.0 | 1241.2 | 1263.3 | 1278.5 | 1280.2 | 1276.5 |
| 55°   | 1287.6 | 1292.5 | 1297.0 | 1315.5 | 1335.2 | 1351.2 | 1382.0 | 1403.7 | 1418.9 | 1424.6 | 1422.2 |
| 57.5° | 1422.6 | 1427.1 | 1432.9 | 1453.0 | 1473.1 | 1495.7 | 1524.8 | 1550.2 | 1567.9 | 1578.6 | 1575.7 |
| 60°   | 1572.4 | 1572.4 | 1585.5 | 1605.6 | 1622.1 | 1648.7 | 1679.1 | 1708.7 | 1728.0 | 1744.8 | 1740.3 |
| 62.5° | 1730.0 | 1734.5 | 1747.3 | 1763.7 | 1780.9 | 1805.5 | 1840.0 | 1875.3 | 1904.9 | 1917.6 | 1917.2 |
| 65°   | 1849.5 | 1857.7 | 1874.5 | 1893.4 | 1922.1 | 1951.2 | 1994.7 | 2038.7 | 2074.4 | 2092.8 | 2092.8 |
| 67.5° | 1884.3 | 1889.7 | 1910.6 | 1939.3 | 1980.8 | 2027.2 | 2086.3 | 2147.4 | 2196.3 | 2220.5 | 2205.3 |
| 69°   | 1856.4 | 1864.2 | 1882.7 | 1913.9 | 1963.1 | 2019.8 | 2090.0 | 2159.3 | 2216.0 | 2241.0 | 2223.4 |
| 70°   | 1824.0 | 1832.6 | 1851.1 | 1881.9 | 1932.8 | 1993.1 | 2063.3 | 2138.0 | 2198.7 | 2220.1 | 2200.0 |
| 72.5° | 1691.8 | 1702.5 | 1715.6 | 1742.3 | 1788.3 | 1844.9 | 1908.1 | 1973.8 | 2032.1 | 2048.9 | 2023.9 |
| 75°   | 1466.5 | 1468.6 | 1475.1 | 1494.8 | 1511.2 | 1551.5 | 1605.2 | 1657.4 | 1701.3 | 1711.1 | 1684.5 |
| 77.5° | 1038.0 | 1026.9 | 1015.8 | 1032.7 | 1045.8 | 1097.5 | 1155.8 | 1198.5 | 1244.5 | 1258.4 | 1231.3 |
| 80°   | 455.2  | 451.1  | 466.7  | 488.8  | 546.7  | 581.2  | 638.2  | 699.4  | 738.4  | 783.9  | 735.1  |
| 82.5° | 89.9   | 94.8   | 109.6  | 135.4  | 167.0  | 210.1  | 247.5  | 289.8  | 327.9  | 345.2  | 327.5  |
| 85°   | 36.5   | 39.8   | 45.1   | 50.5   | 54.2   | 60.7   | 71.4   | 88.7   | 97.7   | 98.9   | 94.0   |
| 87.5° | 15.2   | 17.6   | 23.8   | 28.3   | 28.7   | 27.5   | 28.3   | 29.1   | 23.8   | 19.3   | 24.2   |
| 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):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  | 361.6  |
| 2.5°  | 363.7  | 364.1  | 363.7  | 364.1  | 363.7  | 363.7  | 364.1  | 363.7  |
| 5°    | 372.7  | 373.1  | 372.7  | 372.3  | 371.9  | 372.3  | 372.3  | 372.3  |
| 7.5°  | 385.4  | 385.0  | 384.6  | 384.6  | 384.2  | 383.8  | 384.6  | 384.6  |
| 10°   | 401.0  | 400.6  | 399.8  | 399.8  | 399.4  | 399.4  | 399.4  | 399.4  |
| 12.5° | 419.9  | 418.7  | 418.2  | 417.0  | 416.6  | 416.2  | 416.2  | 416.6  |
| 15°   | 439.6  | 438.4  | 437.9  | 435.9  | 435.9  | 435.5  | 435.5  | 435.5  |
| 17.5° | 460.5  | 459.3  | 457.6  | 457.6  | 456.4  | 455.6  | 456.0  | 455.2  |
| 20°   | 481.9  | 480.2  | 479.4  | 479.0  | 477.3  | 477.3  | 477.3  | 476.9  |
| 22.5° | 502.8  | 501.6  | 500.3  | 498.7  | 497.0  | 496.6  | 496.6  | 496.2  |
| 25°   | 524.1  | 522.1  | 519.6  | 518.0  | 516.3  | 515.1  | 515.1  | 515.1  |
| 27.5° | 545.5  | 543.0  | 539.3  | 537.3  | 534.8  | 533.6  | 533.6  | 533.2  |
| 30°   | 568.1  | 565.2  | 561.9  | 559.0  | 555.7  | 554.5  | 554.1  | 553.3  |
| 32.5° | 595.1  | 592.3  | 589.0  | 584.9  | 581.6  | 579.5  | 579.5  | 578.3  |
| 35°   | 629.6  | 626.3  | 623.9  | 618.5  | 614.4  | 611.1  | 611.6  | 612.4  |
| 37.5° | 674.8  | 670.7  | 668.6  | 662.0  | 656.7  | 653.4  | 653.4  | 653.0  |
| 40°   | 732.2  | 728.1  | 723.6  | 717.5  | 710.9  | 706.4  | 705.1  | 705.1  |
| 42.5° | 805.3  | 801.6  | 795.4  | 786.8  | 779.0  | 774.1  | 770.0  | 770.4  |
| 45°   | 896.8  | 892.3  | 883.7  | 873.0  | 863.6  | 856.6  | 850.8  | 850.8  |
| 47.5° | 1008.0 | 998.6  | 986.7  | 977.3  | 961.3  | 950.6  | 946.5  | 945.7  |
| 50°   | 1134.9 | 1117.2 | 1102.4 | 1088.9 | 1072.1 | 1061.0 | 1054.8 | 1053.2 |
| 52.5° | 1267.9 | 1249.4 | 1230.9 | 1213.3 | 1192.7 | 1181.3 | 1171.4 | 1170.6 |
| 55°   | 1412.3 | 1388.9 | 1365.5 | 1348.3 | 1324.1 | 1312.2 | 1302.3 | 1296.6 |
| 57.5° | 1559.7 | 1533.4 | 1516.6 | 1492.0 | 1466.5 | 1457.9 | 1448.5 | 1441.5 |
| 60°   | 1725.5 | 1696.8 | 1674.6 | 1648.7 | 1632.3 | 1613.9 | 1604.8 | 1599.5 |
| 62.5° | 1895.0 | 1868.3 | 1840.0 | 1815.4 | 1792.4 | 1779.7 | 1767.4 | 1761.2 |
| 65°   | 2067.4 | 2023.5 | 1989.8 | 1955.8 | 1928.7 | 1905.7 | 1886.4 | 1883.9 |
| 67.5° | 2173.3 | 2117.9 | 2061.7 | 2012.0 | 1972.2 | 1939.7 | 1920.0 | 1913.1 |
| 69°   | 2181.9 | 2121.6 | 2051.4 | 1991.9 | 1945.9 | 1914.7 | 1891.3 | 1883.9 |
| 70°   | 2158.1 | 2097.4 | 2023.5 | 1959.5 | 1911.8 | 1877.8 | 1858.5 | 1846.2 |
| 72.5° | 1984.1 | 1930.7 | 1859.7 | 1796.5 | 1753.4 | 1713.6 | 1694.3 | 1689.4 |
| 75°   | 1636.8 | 1580.2 | 1514.9 | 1484.6 | 1454.6 | 1429.6 | 1416.4 | 1415.2 |
| 77.5° | 1162.4 | 1104.5 | 1054.8 | 1015.0 | 982.6  | 966.6  | 970.3  | 956.7  |
| 80°   | 665.3  | 589.8  | 529.9  | 494.6  | 446.6  | 417.8  | 385.4  | 408.8  |
| 82.5° | 286.1  | 231.1  | 176.1  | 143.2  | 109.2  | 86.6   | 71.4   | 66.5   |
| 85°   | 80.0   | 65.3   | 54.6   | 50.1   | 45.1   | 40.2   | 34.1   | 31.6   |
| 87.5° | 27.1   | 25.9   | 23.0   | 23.0   | 20.9   | 17.6   | 12.3   | 11.1   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)