

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: P141954

Luminaire Tested: **CEM-F02-LED-E-U-T3-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141954  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33683)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CEM-F02-LED-E-U-T3-7030  
Description: EPIC CLASSICAL MEDIUM DECORATIVE LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (14) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4427.8 lumens  
Efficiency: N/A  
Efficacy: 80.5 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

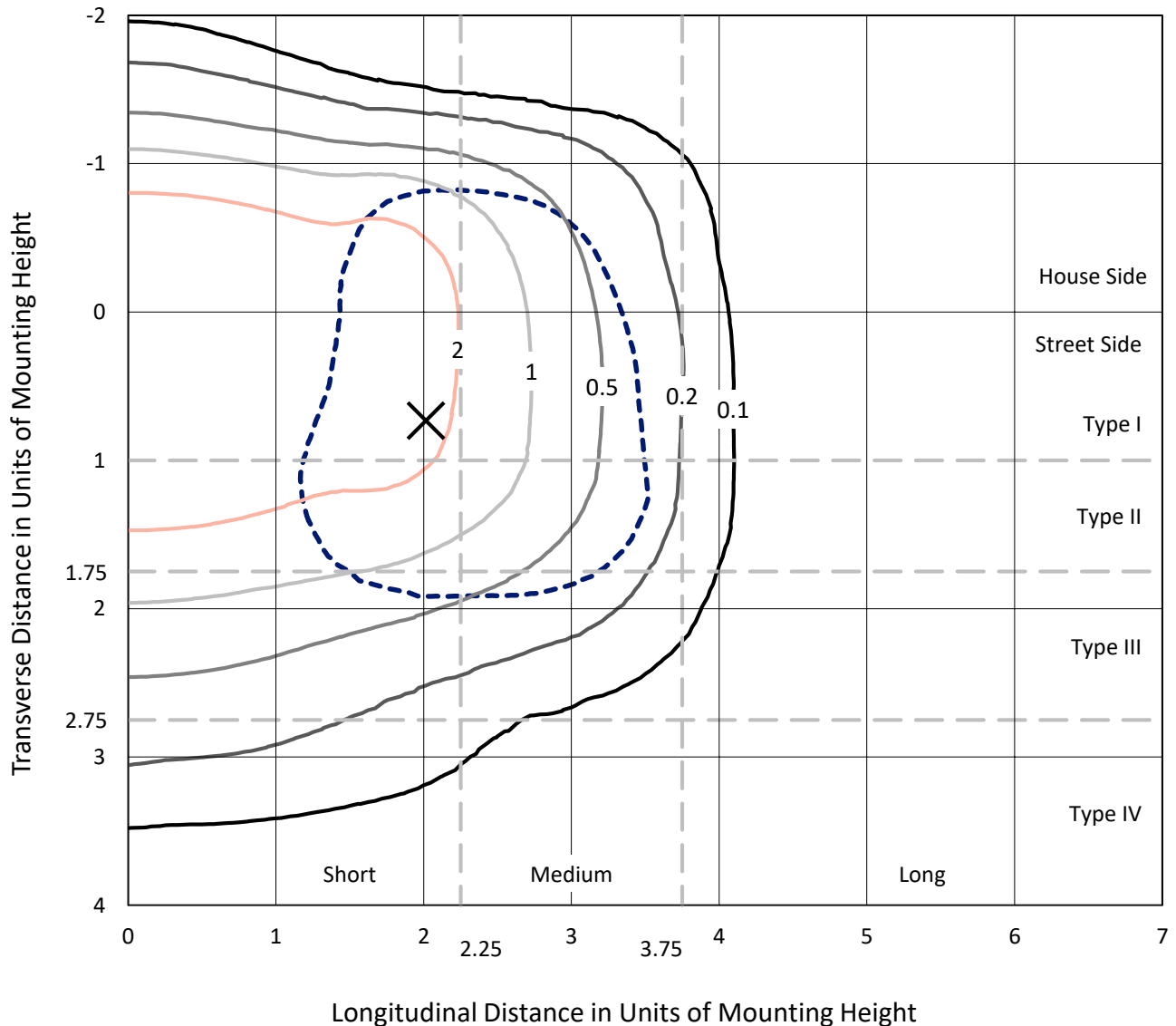
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

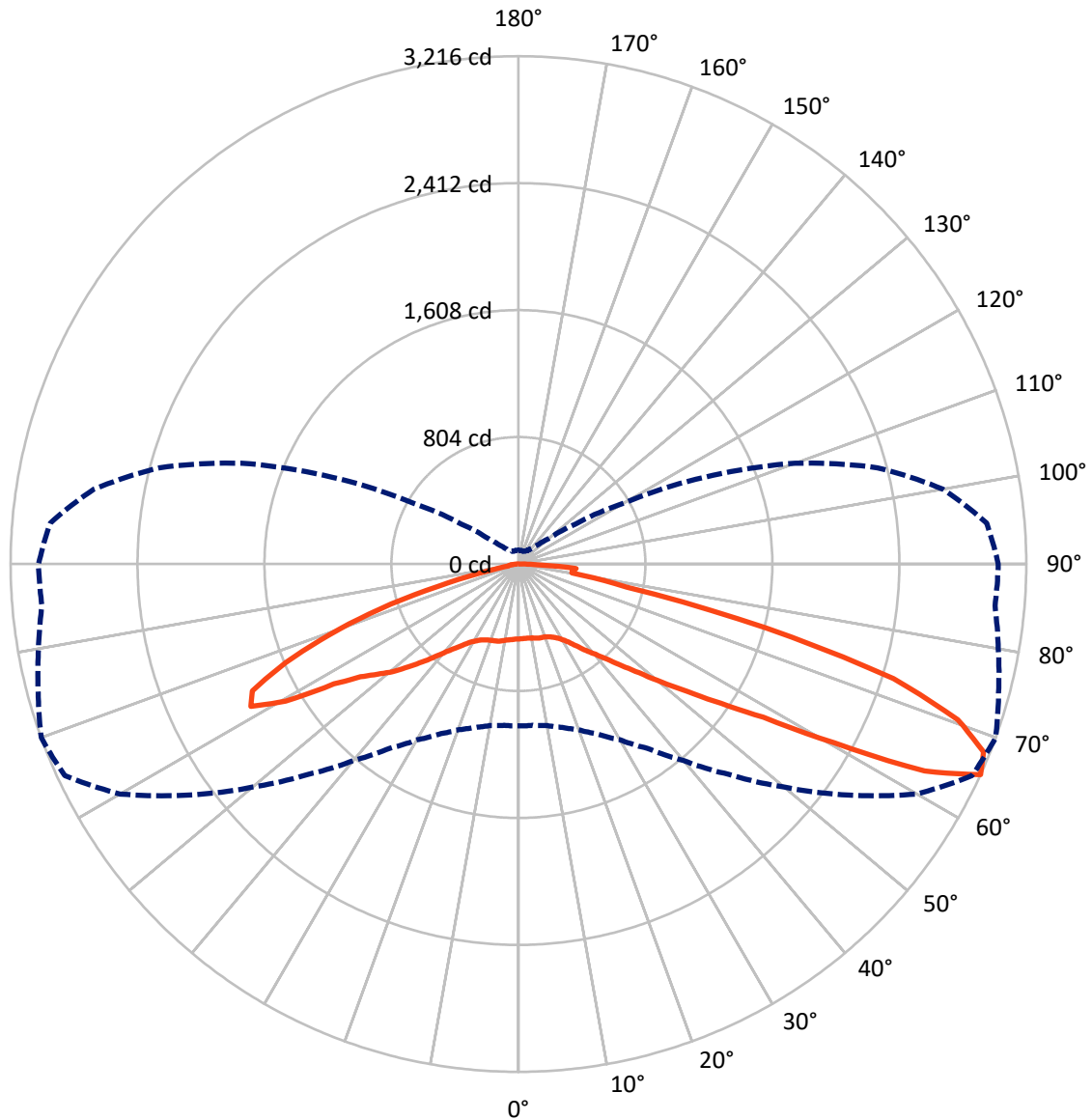


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1494.7   | 0.0    | 1494.7 |
|                    | % Fixture | 33.8     | 0.0    | 33.8   |
| <b>Street Side</b> | Lumens    | 2933.1   | 0.0    | 2933.1 |
|                    | % Fixture | 66.2     | 0.0    | 66.2   |
| <b>Total</b>       | Lumens    | 4427.8   | 0.0    | 4427.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 45.7   | 1.0       |
| 10°-20°   | 135.3  | 3.1       |
| 20°-30°   | 232.6  | 5.3       |
| 30°-40°   | 372.8  | 8.4       |
| 40°-50°   | 610.4  | 13.8      |
| 50°-60°   | 955.4  | 21.6      |
| 60°-70°   | 1342.7 | 30.3      |
| 70°-80°   | 635.4  | 14.4      |
| 80°-90°   | 97.6   | 2.2       |
| 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°    | 4427.8 | 100.0     |
| 0°-180°   | 4427.8 | 100.0     |

**Coefficient of Utilization**



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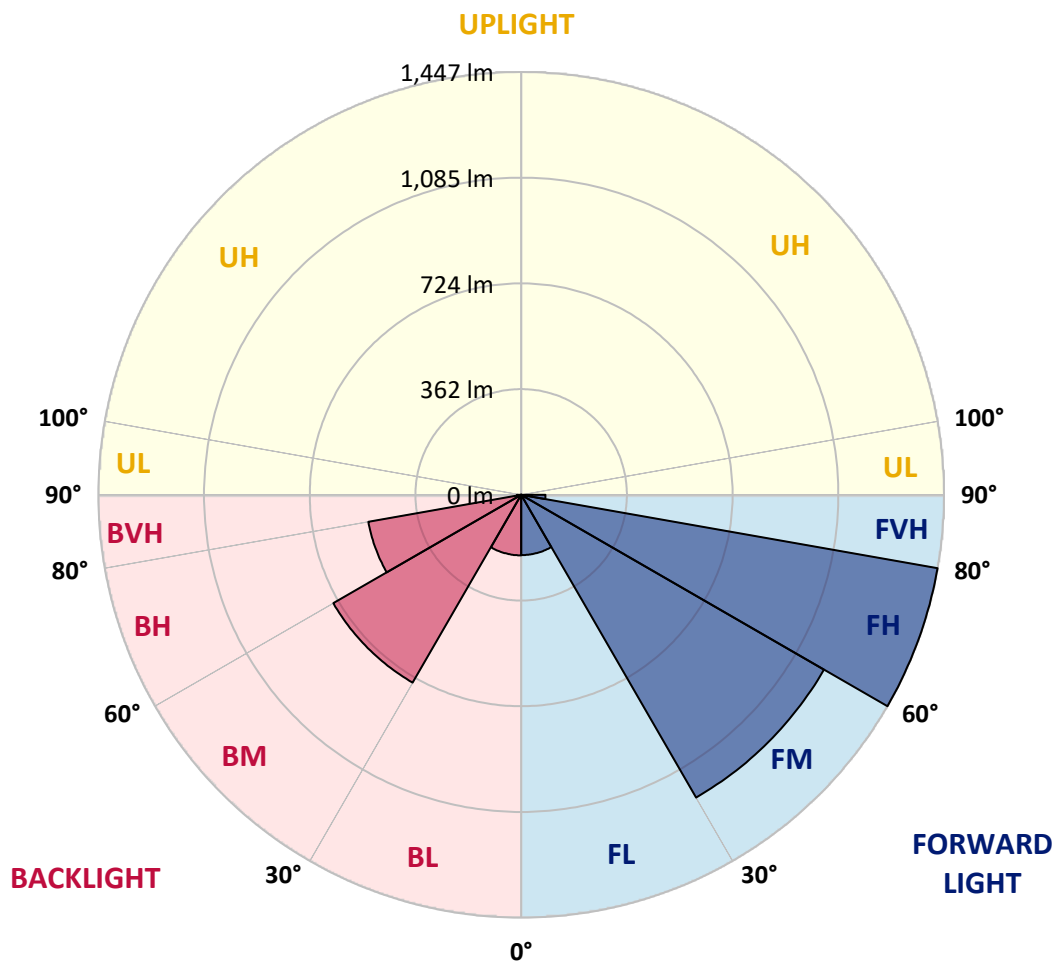
CATALOG NUMBER: CEM-F02-LED-E-U-T3-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 206.3  | 4.7       |                         |      |         |
| FM   | (30°-60°)   | 1196.5 | 27.0      |                         |      |         |
| FH   | (60°-80°)   | 1447.1 | 32.7      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 83.2   | 1.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 207.3  | 4.7       | B1/500                  |      |         |
| BM   | (30°-60°)   | 742.1  | 16.8      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 530.9  | 12.0      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 14.4   | 0.3       |                         |      | 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 III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  |
| 2.5°  | 472.0  | 472.5  | 472.5  | 471.5  | 471.5  | 472.0  | 472.0  | 472.5  | 472.5  | 472.5  | 473.0  |
| 5°    | 472.0  | 472.5  | 472.5  | 472.0  | 471.5  | 472.5  | 472.0  | 472.5  | 472.5  | 472.5  | 472.5  |
| 7.5°  | 471.0  | 471.5  | 471.5  | 471.0  | 471.5  | 472.0  | 472.0  | 473.0  | 473.5  | 473.5  | 474.0  |
| 10°   | 466.0  | 466.5  | 467.0  | 467.0  | 468.0  | 469.5  | 470.0  | 472.0  | 472.5  | 474.0  | 475.0  |
| 12.5° | 456.9  | 456.9  | 457.9  | 458.9  | 460.4  | 463.5  | 465.0  | 468.0  | 470.5  | 472.5  | 476.0  |
| 15°   | 448.9  | 448.9  | 449.9  | 450.4  | 453.4  | 455.4  | 458.4  | 461.9  | 466.5  | 470.5  | 476.0  |
| 17.5° | 452.9  | 452.9  | 452.4  | 451.9  | 452.4  | 452.4  | 454.9  | 458.4  | 462.4  | 468.0  | 475.0  |
| 20°   | 468.5  | 468.0  | 466.0  | 465.0  | 464.5  | 462.4  | 460.9  | 460.4  | 462.4  | 466.5  | 473.5  |
| 22.5° | 482.1  | 481.0  | 480.5  | 479.5  | 481.0  | 480.0  | 478.0  | 475.5  | 472.5  | 471.0  | 475.0  |
| 25°   | 490.1  | 490.6  | 490.6  | 490.6  | 493.6  | 494.6  | 495.6  | 492.6  | 489.1  | 484.1  | 484.6  |
| 27.5° | 501.2  | 501.7  | 500.7  | 502.7  | 506.2  | 508.7  | 511.2  | 513.2  | 511.2  | 508.2  | 504.7  |
| 30°   | 524.8  | 524.8  | 523.3  | 524.8  | 527.8  | 530.3  | 533.8  | 537.3  | 537.3  | 534.3  | 530.8  |
| 32.5° | 549.4  | 549.9  | 549.9  | 550.9  | 555.4  | 557.5  | 562.5  | 566.0  | 568.5  | 566.5  | 568.5  |
| 35°   | 579.1  | 578.6  | 580.1  | 580.6  | 587.6  | 590.1  | 600.2  | 602.7  | 606.7  | 607.7  | 609.2  |
| 37.5° | 628.3  | 629.3  | 626.3  | 624.3  | 630.3  | 630.3  | 643.4  | 650.4  | 649.4  | 656.5  | 661.5  |
| 40°   | 707.7  | 703.2  | 701.7  | 700.7  | 704.2  | 703.7  | 703.2  | 712.8  | 717.3  | 718.3  | 720.8  |
| 42.5° | 795.7  | 797.2  | 795.7  | 799.2  | 799.2  | 796.7  | 794.7  | 793.2  | 801.7  | 807.3  | 808.3  |
| 45°   | 898.8  | 900.8  | 897.8  | 895.2  | 901.8  | 905.3  | 905.3  | 909.3  | 916.4  | 918.9  | 917.4  |
| 47.5° | 981.2  | 986.7  | 984.2  | 987.7  | 998.3  | 1010.4 | 1026.4 | 1037.0 | 1044.5 | 1051.6 | 1062.6 |
| 50°   | 1055.6 | 1058.1 | 1064.1 | 1075.7 | 1091.3 | 1110.4 | 1136.5 | 1162.7 | 1177.7 | 1195.3 | 1208.4 |
| 52.5° | 1100.8 | 1108.4 | 1117.4 | 1136.5 | 1162.7 | 1189.3 | 1229.5 | 1272.2 | 1310.4 | 1330.0 | 1345.6 |
| 55°   | 1128.0 | 1133.5 | 1145.6 | 1171.7 | 1208.4 | 1248.1 | 1298.4 | 1357.2 | 1408.0 | 1451.2 | 1484.9 |
| 57.5° | 1127.0 | 1131.5 | 1148.1 | 1176.7 | 1220.5 | 1270.2 | 1333.1 | 1406.4 | 1481.3 | 1553.2 | 1616.6 |
| 60°   | 1105.4 | 1109.4 | 1126.0 | 1156.6 | 1204.4 | 1263.7 | 1339.1 | 1429.1 | 1530.6 | 1638.7 | 1749.8 |
| 62.5° | 1072.2 | 1075.2 | 1089.8 | 1120.4 | 1168.7 | 1232.0 | 1320.5 | 1438.6 | 1582.9 | 1753.3 | 1968.9 |
| 65°   | 1025.4 | 1025.4 | 1039.0 | 1070.7 | 1116.9 | 1187.8 | 1285.3 | 1424.0 | 1623.6 | 1883.0 | 2196.6 |
| 67.5° | 956.6  | 956.6  | 967.6  | 993.8  | 1030.0 | 1079.2 | 1176.7 | 1321.0 | 1531.6 | 1842.3 | 2209.2 |
| 70°   | 826.4  | 828.4  | 828.4  | 844.5  | 860.6  | 882.7  | 928.9  | 1039.5 | 1237.1 | 1540.7 | 1901.6 |
| 72.5° | 605.7  | 569.0  | 597.7  | 623.8  | 641.9  | 654.0  | 680.6  | 715.3  | 814.8  | 1042.5 | 1369.3 |
| 75°   | 381.5  | 391.1  | 412.7  | 442.3  | 487.1  | 533.3  | 584.1  | 605.7  | 596.7  | 623.8  | 843.5  |
| 77.5° | 231.2  | 223.2  | 244.3  | 288.5  | 338.8  | 401.6  | 496.6  | 579.1  | 626.3  | 623.3  | 597.2  |
| 80°   | 100.0  | 97.5   | 111.6  | 132.7  | 157.3  | 214.1  | 301.1  | 414.2  | 539.9  | 612.7  | 601.7  |
| 82.5° | 35.7   | 36.2   | 45.7   | 54.3   | 65.3   | 83.9   | 119.1  | 190.5  | 302.1  | 430.3  | 531.8  |
| 85°   | 10.6   | 11.6   | 16.1   | 22.6   | 25.6   | 29.2   | 40.2   | 59.8   | 102.0  | 162.9  | 289.5  |
| 87.5° | 3.0    | 3.5    | 4.5    | 8.0    | 7.5    | 7.0    | 8.0    | 12.6   | 9.6    | 8.0    | 40.2   |
| 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°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  | 474.5  |
| 2.5°  | 472.5  | 472.5  | 472.5  | 473.0  | 472.5  | 472.5  | 473.0  | 473.0  | 473.5  | 474.0  | 475.0  |
| 5°    | 472.0  | 472.0  | 472.5  | 472.5  | 472.5  | 473.0  | 473.5  | 474.0  | 475.0  | 476.5  | 478.0  |
| 7.5°  | 473.5  | 473.5  | 473.0  | 473.5  | 473.5  | 474.0  | 475.0  | 475.5  | 477.5  | 479.0  | 481.6  |
| 10°   | 475.0  | 475.0  | 475.5  | 476.0  | 476.0  | 477.0  | 478.5  | 479.0  | 481.0  | 484.1  | 486.6  |
| 12.5° | 477.0  | 478.5  | 480.5  | 481.6  | 482.6  | 483.6  | 485.1  | 486.1  | 488.6  | 492.6  | 495.6  |
| 15°   | 478.5  | 482.1  | 484.1  | 486.6  | 488.1  | 488.6  | 490.1  | 492.1  | 494.6  | 498.6  | 502.2  |
| 17.5° | 478.5  | 483.1  | 486.1  | 488.6  | 491.1  | 492.6  | 494.1  | 496.1  | 499.6  | 503.7  | 507.2  |
| 20°   | 478.0  | 484.6  | 488.6  | 492.6  | 497.1  | 498.6  | 501.2  | 503.2  | 507.2  | 512.2  | 514.7  |
| 22.5° | 480.5  | 488.1  | 493.6  | 500.7  | 505.7  | 509.7  | 512.7  | 516.2  | 519.3  | 522.8  | 523.8  |
| 25°   | 488.1  | 495.6  | 504.7  | 513.2  | 520.3  | 526.3  | 530.3  | 533.3  | 536.8  | 538.4  | 536.3  |
| 27.5° | 500.7  | 506.2  | 518.7  | 531.3  | 542.4  | 549.9  | 554.4  | 558.5  | 559.5  | 562.5  | 554.9  |
| 30°   | 523.3  | 525.8  | 538.9  | 556.9  | 569.5  | 582.1  | 588.1  | 592.1  | 592.6  | 590.6  | 577.6  |
| 32.5° | 560.5  | 555.9  | 567.5  | 591.6  | 610.7  | 621.3  | 630.8  | 633.4  | 631.8  | 625.3  | 604.2  |
| 35°   | 605.7  | 598.7  | 604.2  | 639.4  | 660.5  | 676.1  | 685.1  | 687.6  | 684.1  | 672.6  | 643.4  |
| 37.5° | 661.5  | 659.0  | 661.5  | 695.2  | 731.9  | 746.5  | 750.5  | 753.5  | 744.9  | 723.8  | 685.6  |
| 40°   | 723.3  | 723.8  | 720.8  | 751.5  | 797.7  | 818.8  | 828.4  | 821.9  | 811.3  | 781.1  | 738.9  |
| 42.5° | 808.8  | 805.8  | 795.2  | 822.9  | 882.2  | 903.8  | 912.3  | 907.3  | 896.7  | 858.5  | 809.3  |
| 45°   | 921.9  | 911.8  | 901.8  | 916.4  | 973.7  | 1001.8 | 1014.4 | 1010.9 | 992.3  | 946.0  | 899.8  |
| 47.5° | 1060.1 | 1049.6 | 1031.0 | 1028.4 | 1086.3 | 1119.4 | 1124.0 | 1118.4 | 1104.3 | 1058.1 | 1001.3 |
| 50°   | 1205.4 | 1202.4 | 1193.8 | 1173.7 | 1225.5 | 1258.7 | 1255.7 | 1251.6 | 1236.0 | 1177.2 | 1118.9 |
| 52.5° | 1355.7 | 1361.7 | 1356.2 | 1342.1 | 1397.4 | 1411.0 | 1412.0 | 1399.9 | 1381.8 | 1327.5 | 1248.1 |
| 55°   | 1513.5 | 1536.1 | 1544.7 | 1555.7 | 1599.5 | 1597.5 | 1585.9 | 1557.2 | 1561.8 | 1499.9 | 1389.9 |
| 57.5° | 1680.9 | 1750.3 | 1805.1 | 1829.7 | 1871.4 | 1883.5 | 1854.3 | 1863.9 | 1859.9 | 1796.0 | 1622.6 |
| 60°   | 1901.6 | 2067.5 | 2210.2 | 2298.2 | 2354.5 | 2332.9 | 2373.6 | 2375.6 | 2444.4 | 2304.2 | 2033.8 |
| 62.5° | 2253.4 | 2558.0 | 2811.4 | 2887.3 | 2901.9 | 2896.8 | 2848.6 | 2896.8 | 2883.8 | 2712.9 | 2362.5 |
| 65°   | 2549.5 | 2911.9 | 3169.3 | 3215.5 | 3147.7 | 3085.3 | 3029.0 | 3038.6 | 2976.3 | 2729.0 | 2353.0 |
| 67.5° | 2589.7 | 2950.6 | 3189.4 | 3176.3 | 3028.0 | 2912.4 | 2818.9 | 2745.5 | 2618.4 | 2394.7 | 2066.9 |
| 70°   | 2271.5 | 2654.1 | 2961.7 | 2951.6 | 2745.5 | 2591.2 | 2439.4 | 2328.8 | 2199.1 | 2026.2 | 1716.1 |
| 72.5° | 1766.9 | 2107.7 | 2405.7 | 2483.2 | 2280.1 | 2109.7 | 1970.4 | 1829.7 | 1696.0 | 1531.6 | 1336.1 |
| 75°   | 1202.9 | 1459.2 | 1598.0 | 1619.1 | 1433.1 | 1305.4 | 1251.6 | 1136.5 | 994.8  | 959.6  | 814.8  |
| 77.5° | 698.7  | 797.2  | 755.0  | 698.7  | 562.5  | 413.2  | 315.7  | 269.9  | 270.9  | 311.1  | 298.1  |
| 80°   | 568.0  | 540.9  | 426.8  | 342.3  | 232.7  | 118.6  | 79.4   | 68.4   | 68.9   | 79.9   | 77.4   |
| 82.5° | 585.6  | 601.2  | 494.1  | 345.8  | 238.3  | 125.7  | 60.3   | 44.7   | 52.3   | 56.8   | 55.8   |
| 85°   | 433.8  | 568.5  | 509.7  | 366.9  | 255.9  | 133.7  | 39.2   | 24.6   | 34.7   | 42.2   | 45.2   |
| 87.5° | 121.6  | 191.0  | 148.3  | 98.0   | 71.4   | 24.1   | 15.6   | 13.1   | 16.1   | 22.1   | 22.1   |
| 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):**

|       | 110°   | 115°   | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 474.5  | 474.5  | 474.5 | 474.5 | 474.5 | 474.5 | 474.5 | 474.5 | 474.5 | 474.5 | 474.5 |
| 2.5°  | 475.5  | 477.5  | 477.0 | 478.0 | 478.5 | 480.0 | 481.0 | 480.5 | 480.5 | 481.6 | 482.6 |
| 5°    | 479.5  | 482.1  | 482.1 | 483.6 | 485.1 | 487.1 | 488.6 | 487.6 | 488.1 | 489.1 | 490.1 |
| 7.5°  | 483.6  | 486.6  | 487.1 | 488.6 | 489.6 | 490.6 | 491.6 | 490.1 | 489.6 | 489.6 | 489.1 |
| 10°   | 488.6  | 491.6  | 491.1 | 491.1 | 490.6 | 489.6 | 487.6 | 484.1 | 481.6 | 480.0 | 479.0 |
| 12.5° | 497.1  | 499.1  | 496.1 | 493.1 | 488.1 | 484.6 | 480.0 | 476.0 | 473.0 | 470.5 | 469.5 |
| 15°   | 504.7  | 503.7  | 500.1 | 494.6 | 487.6 | 482.1 | 477.5 | 472.0 | 468.5 | 465.5 | 464.0 |
| 17.5° | 508.7  | 505.2  | 500.1 | 495.1 | 489.1 | 484.1 | 478.5 | 472.0 | 466.5 | 462.4 | 460.4 |
| 20°   | 512.7  | 507.2  | 500.7 | 495.6 | 491.1 | 487.1 | 483.1 | 475.0 | 468.0 | 461.9 | 458.9 |
| 22.5° | 518.7  | 511.2  | 504.7 | 500.1 | 495.6 | 491.6 | 487.6 | 480.0 | 472.5 | 464.5 | 459.9 |
| 25°   | 527.3  | 517.2  | 512.7 | 508.2 | 503.2 | 499.1 | 493.6 | 486.6 | 478.5 | 469.0 | 462.4 |
| 27.5° | 540.9  | 531.8  | 526.8 | 522.3 | 516.2 | 509.7 | 503.7 | 494.1 | 486.6 | 475.5 | 467.0 |
| 30°   | 560.5  | 550.9  | 546.4 | 541.9 | 534.8 | 526.3 | 517.7 | 505.7 | 495.1 | 482.6 | 471.5 |
| 32.5° | 585.1  | 580.1  | 574.5 | 567.0 | 557.5 | 546.9 | 534.3 | 518.2 | 503.2 | 487.6 | 473.5 |
| 35°   | 623.3  | 614.8  | 605.7 | 598.2 | 584.1 | 569.5 | 550.4 | 526.8 | 506.7 | 487.6 | 470.5 |
| 37.5° | 667.0  | 658.0  | 645.9 | 632.3 | 611.2 | 588.1 | 561.5 | 531.8 | 505.2 | 482.1 | 463.0 |
| 40°   | 719.8  | 708.3  | 692.2 | 666.5 | 635.4 | 600.7 | 565.0 | 527.8 | 496.6 | 470.0 | 447.9 |
| 42.5° | 789.7  | 766.1  | 734.9 | 697.2 | 653.0 | 605.7 | 560.5 | 517.2 | 482.1 | 452.9 | 430.8 |
| 45°   | 868.6  | 830.9  | 780.6 | 724.3 | 663.0 | 603.7 | 550.4 | 500.1 | 460.4 | 428.3 | 405.1 |
| 47.5° | 953.6  | 894.7  | 820.8 | 741.4 | 664.0 | 592.6 | 530.8 | 474.5 | 429.8 | 395.6 | 366.9 |
| 50°   | 1049.6 | 952.5  | 849.0 | 750.0 | 657.5 | 573.0 | 502.7 | 437.8 | 391.6 | 350.9 | 324.7 |
| 52.5° | 1132.0 | 1003.3 | 868.6 | 746.5 | 634.4 | 538.9 | 456.4 | 393.6 | 339.3 | 303.1 | 277.5 |
| 55°   | 1229.5 | 1052.6 | 879.2 | 728.9 | 597.2 | 485.6 | 406.7 | 336.8 | 285.5 | 253.3 | 231.2 |
| 57.5° | 1393.9 | 1136.0 | 888.2 | 693.2 | 535.8 | 418.7 | 337.8 | 272.4 | 232.2 | 204.1 | 188.5 |
| 60°   | 1711.1 | 1297.9 | 925.4 | 639.9 | 457.9 | 338.3 | 260.9 | 213.1 | 178.4 | 159.8 | 148.8 |
| 62.5° | 1918.7 | 1408.0 | 908.8 | 558.0 | 357.9 | 253.3 | 191.0 | 153.8 | 133.7 | 120.1 | 115.1 |
| 65°   | 1865.9 | 1296.9 | 771.1 | 442.3 | 249.3 | 168.4 | 128.2 | 105.6 | 96.5  | 89.5  | 86.5  |
| 67.5° | 1602.5 | 1046.0 | 559.0 | 286.0 | 157.8 | 102.5 | 83.9  | 74.9  | 70.9  | 67.9  | 67.4  |
| 70°   | 1276.8 | 737.4  | 332.3 | 151.8 | 87.5  | 67.9  | 59.8  | 56.3  | 54.8  | 54.8  | 54.8  |
| 72.5° | 926.4  | 424.7  | 163.4 | 81.9  | 58.8  | 51.8  | 48.3  | 47.3  | 46.7  | 46.7  | 47.3  |
| 75°   | 529.3  | 184.0  | 83.9  | 56.3  | 48.3  | 44.7  | 42.7  | 42.7  | 42.7  | 42.7  | 43.2  |
| 77.5° | 184.5  | 83.9   | 59.3  | 47.3  | 41.7  | 39.7  | 38.7  | 39.7  | 40.2  | 40.2  | 40.2  |
| 80°   | 67.4   | 59.3   | 50.8  | 41.2  | 37.2  | 35.2  | 35.2  | 36.7  | 37.7  | 36.7  | 36.2  |
| 82.5° | 53.3   | 46.7   | 41.2  | 35.7  | 32.7  | 31.7  | 32.2  | 33.2  | 32.7  | 32.2  | 30.7  |
| 85°   | 40.7   | 30.7   | 28.7  | 26.6  | 26.1  | 26.1  | 28.1  | 28.7  | 26.6  | 25.6  | 24.1  |
| 87.5° | 20.1   | 16.1   | 14.6  | 17.1  | 16.6  | 15.1  | 15.6  | 15.6  | 13.1  | 12.1  | 12.6  |
| 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):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 474.5 | 474.5 | 474.5 | 474.5 |
| 2.5°  | 482.6 | 483.1 | 484.6 | 484.1 |
| 5°    | 489.6 | 490.1 | 491.1 | 491.1 |
| 7.5°  | 488.1 | 488.6 | 488.6 | 488.6 |
| 10°   | 476.5 | 476.5 | 477.5 | 477.5 |
| 12.5° | 467.5 | 467.0 | 467.0 | 466.0 |
| 15°   | 461.9 | 460.9 | 461.4 | 459.9 |
| 17.5° | 457.9 | 457.4 | 457.4 | 456.4 |
| 20°   | 456.4 | 455.4 | 454.9 | 453.9 |
| 22.5° | 455.4 | 454.9 | 453.9 | 452.9 |
| 25°   | 457.9 | 455.4 | 454.9 | 453.9 |
| 27.5° | 460.4 | 457.9 | 455.9 | 455.4 |
| 30°   | 463.0 | 458.4 | 455.9 | 454.9 |
| 32.5° | 462.4 | 456.4 | 452.9 | 451.4 |
| 35°   | 456.9 | 449.4 | 444.9 | 443.3 |
| 37.5° | 446.4 | 437.8 | 430.8 | 428.3 |
| 40°   | 431.3 | 420.2 | 413.7 | 410.2 |
| 42.5° | 413.2 | 400.6 | 395.1 | 392.1 |
| 45°   | 383.5 | 373.5 | 366.9 | 364.4 |
| 47.5° | 350.4 | 336.8 | 330.8 | 328.2 |
| 50°   | 307.6 | 296.6 | 291.5 | 288.0 |
| 52.5° | 262.4 | 252.3 | 247.8 | 245.8 |
| 55°   | 218.7 | 213.6 | 206.6 | 205.1 |
| 57.5° | 177.4 | 175.9 | 170.9 | 170.4 |
| 60°   | 144.3 | 141.8 | 138.2 | 138.2 |
| 62.5° | 113.6 | 111.1 | 109.6 | 109.6 |
| 65°   | 87.5  | 87.0  | 86.0  | 85.5  |
| 67.5° | 67.4  | 68.9  | 69.4  | 68.4  |
| 70°   | 56.3  | 56.8  | 56.8  | 56.8  |
| 72.5° | 48.8  | 48.8  | 48.8  | 48.3  |
| 75°   | 44.2  | 44.2  | 43.2  | 42.7  |
| 77.5° | 40.7  | 40.2  | 40.7  | 40.2  |
| 80°   | 35.7  | 35.2  | 34.2  | 33.2  |
| 82.5° | 29.7  | 29.2  | 26.6  | 26.6  |
| 85°   | 23.1  | 21.6  | 19.6  | 17.6  |
| 87.5° | 13.1  | 11.6  | 8.5   | 6.0   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)