

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: INVUE

Report Number: P152213

Luminaire Tested: **VWM-F02-LED-E1-SL4-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P152213  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33680)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: VWM-F02-LED-E1-SL4-8030  
Description: VISION WALL MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL  
Light Source: (14) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4116.5 lumens  
Efficiency: N/A  
Efficacy: 74.8 lumens/watt  
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')  
IES Classification: Type IV - Short - Full Cutoff  
BUG Rating: B1 - U0 - G1

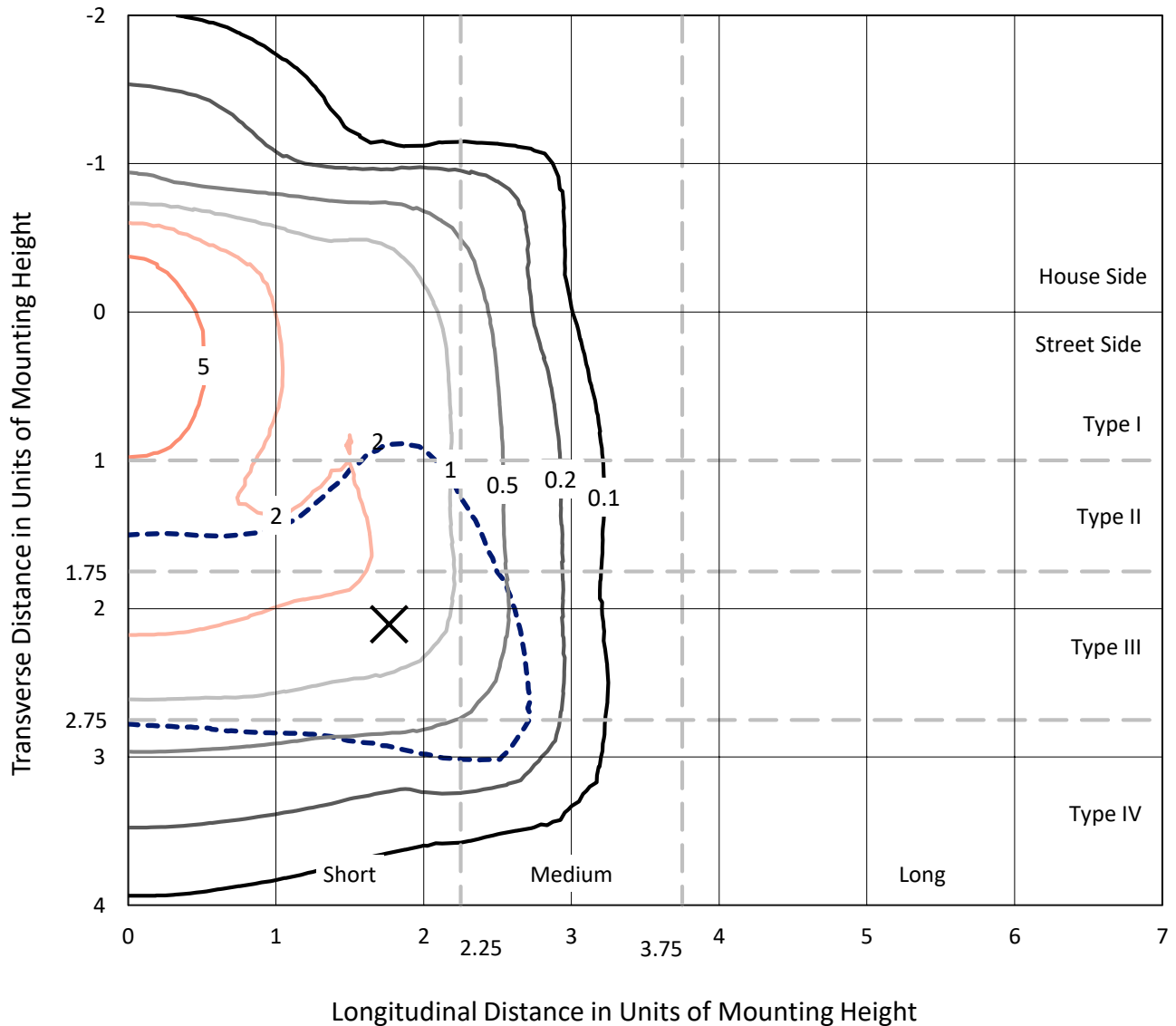
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

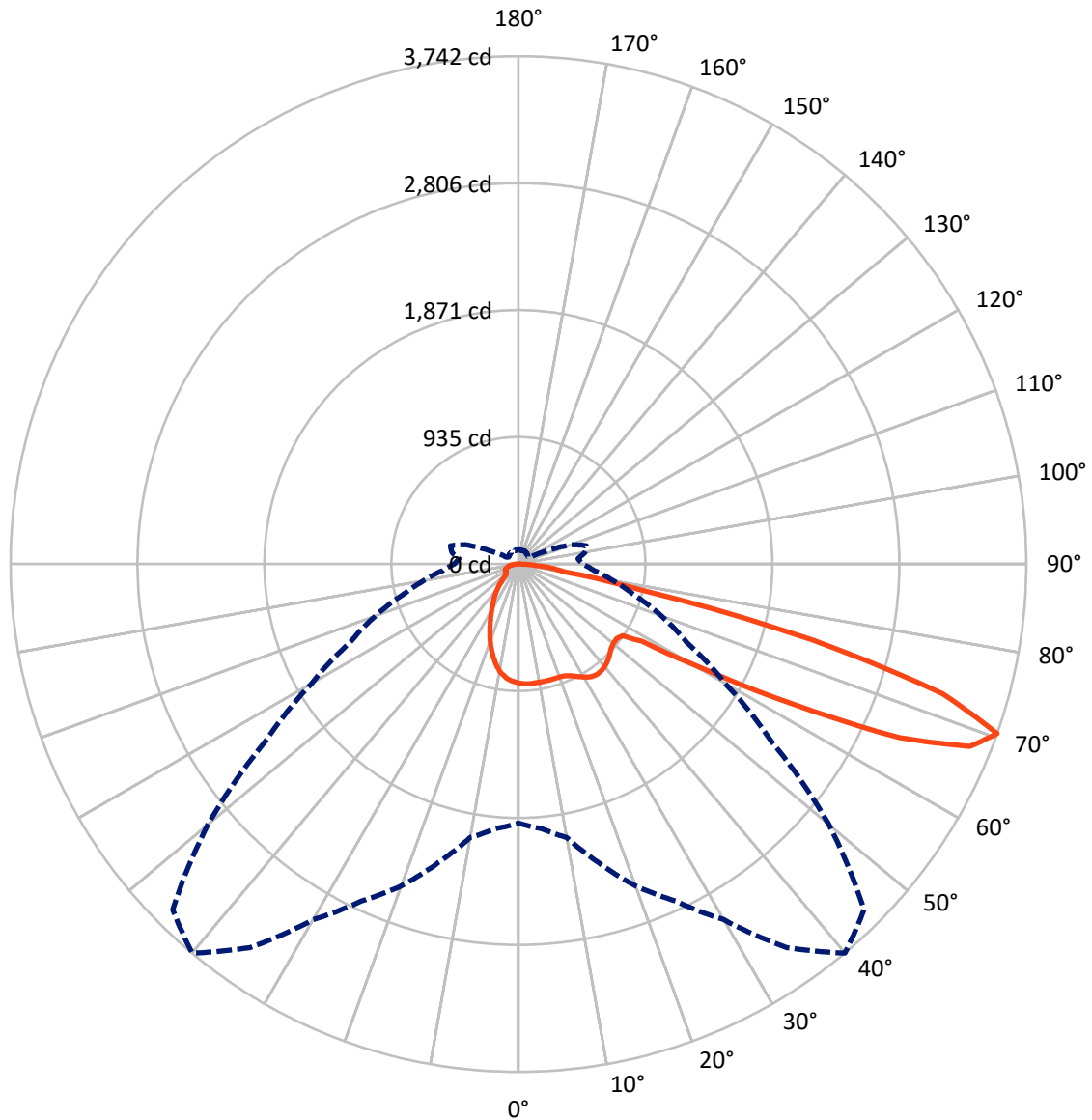
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.8 fc  
 Type IV - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 854.5    | 0.0    | 854.5  |
|                    | % Fixture | 20.8     | 0.0    | 20.8   |
| <b>Street Side</b> | Lumens    | 3261.9   | 0.0    | 3261.9 |
|                    | % Fixture | 79.2     | 0.0    | 79.2   |
| <b>Total</b>       | Lumens    | 4116.5   | 0.0    | 4116.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 82.1   | 2.0       |
| 10°-20°   | 224.6  | 5.5       |
| 20°-30°   | 332.5  | 8.1       |
| 30°-40°   | 420.2  | 10.2      |
| 40°-50°   | 475.3  | 11.5      |
| 50°-60°   | 676.3  | 16.4      |
| 60°-70°   | 1259.6 | 30.6      |
| 70°-80°   | 577.3  | 14.0      |
| 80°-90°   | 68.5   | 1.7       |
| 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°    | 4116.5 | 100.0     |
| 0°-180°   | 4116.5 | 100.0     |



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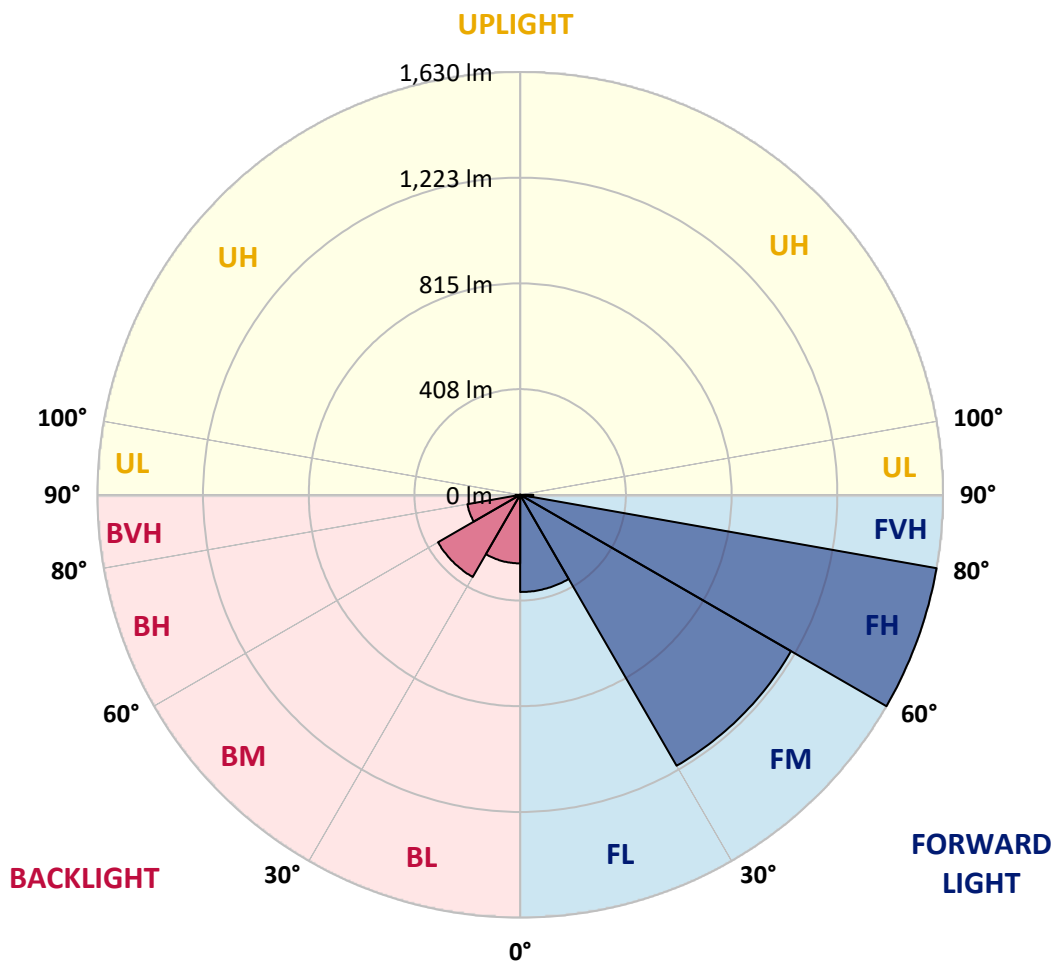
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 374.8  | 9.1       |                         |      |         |
| FM   | (30°-60°)   | 1206.0 | 29.3      |                         |      |         |
| FH   | (60°-80°)   | 1630.3 | 39.6      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 50.8   | 1.2       |                         |      | G1/100  |
| BL   | (0°-30°)    | 264.4  | 6.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 365.9  | 8.9       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 206.6  | 5.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 17.7   | 0.4       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

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

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  |
| 2.5°  | 891.8  | 894.1  | 891.4  | 890.9  | 890.9  | 890.4  | 887.6  | 887.2  | 883.5  | 883.9  | 884.9  |
| 5°    | 898.3  | 899.3  | 897.4  | 896.9  | 896.0  | 894.1  | 891.8  | 889.0  | 886.2  | 883.5  | 881.1  |
| 7.5°  | 904.8  | 903.9  | 902.5  | 902.5  | 901.1  | 898.3  | 893.7  | 890.0  | 883.9  | 880.7  | 876.5  |
| 10°   | 914.1  | 912.7  | 910.9  | 909.9  | 907.6  | 903.4  | 896.9  | 891.8  | 884.4  | 877.9  | 870.9  |
| 12.5° | 922.9  | 922.5  | 919.7  | 918.3  | 914.6  | 910.4  | 902.5  | 894.6  | 884.9  | 874.6  | 865.3  |
| 15°   | 938.7  | 936.9  | 934.1  | 931.3  | 925.3  | 919.7  | 907.6  | 898.3  | 884.4  | 870.9  | 856.5  |
| 17.5° | 966.1  | 962.9  | 960.1  | 954.1  | 946.6  | 936.9  | 919.2  | 903.4  | 884.4  | 864.9  | 848.6  |
| 20°   | 1016.3 | 1009.3 | 1005.6 | 997.7  | 984.7  | 967.1  | 939.7  | 914.1  | 885.8  | 860.7  | 838.9  |
| 22.5° | 1073.0 | 1068.3 | 1063.2 | 1058.1 | 1037.7 | 1012.1 | 975.0  | 936.9  | 894.1  | 858.8  | 831.0  |
| 25°   | 1136.6 | 1130.6 | 1127.8 | 1119.0 | 1099.9 | 1070.7 | 1020.0 | 967.1  | 913.2  | 866.3  | 831.0  |
| 27.5° | 1193.3 | 1191.4 | 1191.0 | 1180.7 | 1162.6 | 1128.2 | 1068.3 | 1004.7 | 939.2  | 881.6  | 837.9  |
| 30°   | 1244.8 | 1243.0 | 1242.0 | 1236.5 | 1215.6 | 1174.7 | 1109.7 | 1038.1 | 967.5  | 903.0  | 850.9  |
| 32.5° | 1299.6 | 1293.6 | 1290.8 | 1280.1 | 1256.4 | 1208.6 | 1134.3 | 1060.0 | 989.8  | 923.9  | 865.3  |
| 35°   | 1344.2 | 1339.1 | 1333.6 | 1318.2 | 1284.8 | 1228.1 | 1145.0 | 1067.4 | 998.7  | 935.5  | 872.8  |
| 37.5° | 1376.7 | 1371.6 | 1363.7 | 1344.2 | 1302.9 | 1234.6 | 1144.5 | 1065.1 | 995.4  | 933.6  | 874.2  |
| 40°   | 1391.1 | 1386.0 | 1377.7 | 1353.1 | 1306.1 | 1230.9 | 1135.7 | 1054.4 | 985.6  | 923.9  | 868.6  |
| 42.5° | 1385.6 | 1381.9 | 1371.2 | 1347.5 | 1295.9 | 1214.2 | 1118.0 | 1034.4 | 967.1  | 908.1  | 856.1  |
| 45°   | 1364.2 | 1361.4 | 1351.2 | 1326.1 | 1272.7 | 1187.2 | 1092.0 | 1009.3 | 944.8  | 888.6  | 839.3  |
| 47.5° | 1332.2 | 1331.2 | 1321.0 | 1296.4 | 1243.4 | 1160.3 | 1065.1 | 984.7  | 922.5  | 869.5  | 825.4  |
| 50°   | 1296.9 | 1292.2 | 1287.1 | 1264.3 | 1216.0 | 1137.1 | 1045.6 | 969.4  | 909.9  | 862.6  | 819.4  |
| 52.5° | 1274.6 | 1273.2 | 1268.5 | 1248.1 | 1201.6 | 1123.6 | 1036.7 | 963.8  | 909.0  | 861.2  | 816.1  |
| 55°   | 1472.4 | 1475.7 | 1433.0 | 1344.2 | 1266.2 | 1160.8 | 1063.2 | 992.2  | 931.8  | 883.5  | 850.5  |
| 57.5° | 2178.0 | 2163.6 | 2090.2 | 1914.2 | 1715.4 | 1452.9 | 1263.9 | 1149.1 | 1074.4 | 1082.7 | 1099.4 |
| 60°   | 2537.5 | 2534.7 | 2521.3 | 2453.0 | 2320.6 | 2120.9 | 1899.3 | 1645.2 | 1564.4 | 1573.2 | 1579.7 |
| 62.5° | 2698.2 | 2702.4 | 2712.6 | 2687.1 | 2652.2 | 2594.2 | 2483.6 | 2381.4 | 2273.2 | 2232.8 | 2124.6 |
| 65°   | 2772.5 | 2780.0 | 2803.2 | 2817.6 | 2831.1 | 2841.3 | 2884.9 | 3004.8 | 3083.8 | 2936.0 | 2592.3 |
| 67.5° | 2618.8 | 2654.6 | 2731.2 | 2806.0 | 2872.9 | 2968.1 | 3115.8 | 3394.0 | 3587.7 | 3406.1 | 2907.7 |
| 70°   | 1909.1 | 1957.8 | 2045.6 | 2276.9 | 2524.0 | 2740.0 | 3026.2 | 3449.8 | 3741.9 | 3601.7 | 2985.7 |
| 72.5° | 1197.0 | 1210.5 | 1249.5 | 1334.5 | 1518.0 | 1795.3 | 2295.5 | 2930.9 | 3268.2 | 3156.2 | 2523.6 |
| 75°   | 759.4  | 764.1  | 762.7  | 782.2  | 813.3  | 873.7  | 1071.6 | 1731.2 | 2238.8 | 2064.2 | 1406.5 |
| 77.5° | 452.4  | 459.4  | 462.2  | 468.2  | 483.1  | 504.4  | 520.7  | 589.0  | 938.7  | 911.3  | 510.5  |
| 80°   | 379.0  | 384.6  | 380.0  | 378.6  | 369.3  | 362.8  | 370.7  | 362.8  | 336.8  | 324.2  | 298.7  |
| 82.5° | 200.7  | 200.2  | 198.8  | 212.3  | 239.7  | 261.0  | 277.3  | 273.6  | 247.6  | 210.9  | 178.8  |
| 85°   | 110.1  | 113.8  | 113.8  | 118.4  | 114.3  | 114.7  | 118.4  | 124.9  | 115.7  | 96.6   | 79.0   |
| 87.5° | 9.3    | 14.4   | 11.6   | 14.4   | 19.5   | 13.9   | 13.5   | 13.5   | 11.6   | 8.4    | 7.4    |
| 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°    | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4  | 878.4 |
| 2.5°  | 882.5  | 881.6  | 879.7  | 878.4  | 878.4  | 876.0  | 874.6  | 873.7  | 873.2  | 871.4  | 871.4 |
| 5°    | 879.7  | 876.5  | 873.2  | 870.9  | 869.5  | 867.2  | 863.5  | 861.6  | 859.3  | 857.4  | 856.5 |
| 7.5°  | 873.7  | 867.7  | 862.6  | 858.8  | 854.2  | 850.5  | 845.8  | 841.7  | 837.5  | 835.6  | 834.7 |
| 10°   | 864.4  | 856.5  | 848.6  | 841.7  | 835.2  | 828.7  | 822.6  | 816.6  | 811.5  | 807.7  | 804.0 |
| 12.5° | 855.6  | 843.5  | 833.3  | 823.1  | 812.9  | 805.0  | 796.6  | 787.8  | 780.3  | 773.4  | 771.5 |
| 15°   | 843.5  | 829.6  | 816.6  | 804.0  | 791.5  | 778.5  | 768.3  | 758.5  | 746.4  | 738.5  | 732.5 |
| 17.5° | 832.4  | 815.6  | 799.9  | 785.0  | 769.7  | 756.2  | 740.9  | 727.9  | 715.8  | 703.7  | 694.9 |
| 20°   | 820.3  | 802.2  | 785.5  | 768.7  | 752.0  | 734.8  | 717.2  | 700.5  | 685.6  | 671.2  | 656.8 |
| 22.5° | 809.6  | 791.0  | 774.8  | 756.7  | 738.1  | 718.6  | 698.1  | 677.2  | 660.0  | 641.5  | 624.7 |
| 25°   | 803.1  | 782.7  | 765.9  | 748.3  | 727.9  | 706.5  | 683.3  | 658.6  | 637.7  | 616.4  | 596.4 |
| 27.5° | 803.1  | 776.6  | 759.4  | 741.8  | 720.9  | 698.1  | 672.6  | 645.6  | 622.0  | 598.3  | 573.6 |
| 30°   | 810.1  | 777.6  | 754.3  | 735.8  | 714.4  | 689.8  | 661.4  | 633.1  | 607.1  | 579.2  | 555.5 |
| 32.5° | 816.6  | 779.4  | 750.6  | 726.9  | 702.3  | 678.2  | 649.4  | 619.2  | 590.4  | 563.9  | 538.8 |
| 35°   | 820.8  | 779.4  | 743.6  | 713.5  | 685.6  | 661.9  | 633.6  | 603.4  | 574.1  | 548.1  | 524.9 |
| 37.5° | 821.2  | 775.7  | 732.5  | 698.1  | 668.9  | 644.2  | 617.3  | 589.0  | 561.1  | 537.0  | 517.4 |
| 40°   | 816.6  | 768.3  | 721.4  | 681.9  | 651.2  | 626.1  | 601.5  | 576.0  | 550.9  | 530.9  | 514.2 |
| 42.5° | 808.2  | 760.4  | 710.7  | 668.9  | 636.8  | 610.8  | 588.0  | 566.2  | 544.4  | 527.2  | 513.3 |
| 45°   | 795.7  | 749.7  | 700.9  | 661.0  | 629.4  | 602.0  | 579.7  | 561.6  | 543.0  | 528.6  | 514.7 |
| 47.5° | 784.5  | 746.0  | 704.2  | 666.1  | 633.1  | 604.8  | 582.0  | 566.7  | 552.3  | 542.5  | 523.5 |
| 50°   | 782.2  | 744.1  | 705.6  | 670.3  | 636.8  | 608.0  | 588.0  | 580.1  | 576.0  | 569.9  | 540.7 |
| 52.5° | 775.7  | 743.6  | 715.8  | 696.3  | 674.9  | 661.4  | 640.5  | 648.0  | 643.3  | 622.0  | 569.0 |
| 55°   | 844.0  | 853.3  | 879.3  | 916.4  | 950.8  | 958.7  | 956.4  | 947.6  | 900.6  | 774.8  | 637.3 |
| 57.5° | 1160.3 | 1212.8 | 1262.0 | 1283.9 | 1281.1 | 1256.4 | 1238.8 | 1203.0 | 1135.2 | 981.9  | 772.0 |
| 60°   | 1599.7 | 1608.1 | 1582.1 | 1543.5 | 1478.5 | 1424.1 | 1366.1 | 1299.2 | 1200.7 | 1050.7 | 854.7 |
| 62.5° | 2004.3 | 1891.9 | 1776.2 | 1667.5 | 1568.6 | 1482.2 | 1401.4 | 1308.0 | 1179.8 | 1023.3 | 844.0 |
| 65°   | 2289.9 | 2052.1 | 1869.6 | 1713.5 | 1573.7 | 1452.9 | 1352.1 | 1230.9 | 1086.4 | 945.2  | 782.2 |
| 67.5° | 2437.2 | 2072.6 | 1792.5 | 1575.1 | 1376.7 | 1209.5 | 1075.3 | 957.3  | 850.0  | 788.2  | 684.7 |
| 70°   | 2272.8 | 1759.0 | 1368.9 | 1123.1 | 885.8  | 710.2  | 561.1  | 471.0  | 439.9  | 498.4  | 518.4 |
| 72.5° | 1693.5 | 1145.0 | 814.3  | 629.8  | 482.6  | 384.6  | 295.0  | 231.8  | 188.6  | 197.9  | 256.9 |
| 75°   | 800.8  | 494.2  | 349.3  | 265.7  | 211.3  | 175.1  | 143.1  | 131.0  | 109.6  | 91.0   | 85.5  |
| 77.5° | 311.7  | 227.1  | 187.7  | 137.5  | 97.5   | 78.5   | 66.9   | 64.6   | 66.0   | 64.1   | 63.2  |
| 80°   | 237.4  | 160.7  | 100.8  | 73.9   | 63.6   | 56.2   | 49.7   | 47.8   | 48.8   | 51.1   | 53.4  |
| 82.5° | 132.4  | 82.7   | 61.3   | 53.4   | 47.8   | 40.9   | 37.2   | 34.4   | 34.8   | 37.6   | 42.7  |
| 85°   | 51.1   | 39.9   | 36.7   | 35.3   | 33.0   | 26.5   | 22.8   | 23.2   | 26.5   | 31.6   | 31.6  |
| 87.5° | 5.6    | 5.6    | 7.4    | 5.6    | 5.6    | 5.6    | 5.1    | 6.0    | 6.5    | 8.4    | 9.8   |
| 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°    | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 | 878.4 |
| 2.5°  | 870.5 | 870.5 | 870.5 | 869.5 | 870.0 | 868.1 | 868.1 | 866.7 | 869.1 | 867.7 | 867.2 |
| 5°    | 857.0 | 856.5 | 854.7 | 854.7 | 854.7 | 854.7 | 856.1 | 852.3 | 855.1 | 855.1 | 853.7 |
| 7.5°  | 834.2 | 834.2 | 829.1 | 831.9 | 831.0 | 832.4 | 834.2 | 832.4 | 835.2 | 837.0 | 835.6 |
| 10°   | 802.6 | 802.6 | 798.5 | 801.7 | 800.3 | 803.6 | 806.8 | 805.0 | 806.8 | 809.6 | 810.5 |
| 12.5° | 767.8 | 765.9 | 762.2 | 763.6 | 763.6 | 765.5 | 766.9 | 769.2 | 771.5 | 775.2 | 777.1 |
| 15°   | 727.4 | 724.6 | 720.0 | 720.0 | 717.2 | 718.1 | 720.9 | 721.8 | 726.5 | 731.6 | 737.6 |
| 17.5° | 686.1 | 679.1 | 674.0 | 667.9 | 663.3 | 667.0 | 670.3 | 672.6 | 676.3 | 684.2 | 688.4 |
| 20°   | 647.0 | 633.1 | 623.3 | 615.4 | 610.3 | 612.7 | 616.8 | 619.6 | 622.9 | 624.7 | 626.1 |
| 22.5° | 608.5 | 592.7 | 579.2 | 569.5 | 561.1 | 563.4 | 561.6 | 560.2 | 562.5 | 556.5 | 556.0 |
| 25°   | 575.0 | 556.5 | 538.3 | 526.7 | 516.5 | 513.3 | 503.5 | 501.2 | 494.7 | 489.6 | 485.9 |
| 27.5° | 550.9 | 526.7 | 506.8 | 493.3 | 477.0 | 465.0 | 452.4 | 439.9 | 432.9 | 424.5 | 420.4 |
| 30°   | 531.8 | 506.3 | 482.6 | 459.8 | 438.5 | 419.9 | 403.2 | 386.9 | 375.8 | 363.7 | 355.8 |
| 32.5° | 514.2 | 490.5 | 461.7 | 430.6 | 401.8 | 380.9 | 359.1 | 340.5 | 322.8 | 307.0 | 295.4 |
| 35°   | 502.1 | 475.6 | 438.9 | 400.9 | 368.3 | 343.7 | 320.5 | 294.0 | 272.7 | 252.2 | 239.7 |
| 37.5° | 495.6 | 463.1 | 418.0 | 375.8 | 339.5 | 311.7 | 282.9 | 252.2 | 226.2 | 207.2 | 188.1 |
| 40°   | 490.5 | 450.6 | 399.5 | 353.5 | 315.4 | 281.9 | 248.5 | 212.3 | 183.5 | 163.5 | 148.6 |
| 42.5° | 484.9 | 436.6 | 383.2 | 335.8 | 293.6 | 254.5 | 214.1 | 175.6 | 148.2 | 134.2 | 127.7 |
| 45°   | 478.9 | 424.5 | 367.9 | 319.1 | 272.2 | 224.8 | 178.4 | 142.6 | 126.3 | 121.7 | 121.7 |
| 47.5° | 477.5 | 416.6 | 356.7 | 302.8 | 248.0 | 190.4 | 145.4 | 123.1 | 118.4 | 119.4 | 121.2 |
| 50°   | 483.1 | 414.3 | 347.0 | 283.8 | 216.0 | 154.2 | 123.1 | 115.7 | 116.6 | 119.4 | 122.2 |
| 52.5° | 496.5 | 416.2 | 336.8 | 257.3 | 177.9 | 127.3 | 113.8 | 113.3 | 116.1 | 120.3 | 123.1 |
| 55°   | 519.3 | 416.2 | 317.2 | 217.8 | 142.1 | 114.3 | 110.5 | 112.4 | 116.1 | 119.8 | 122.2 |
| 57.5° | 568.1 | 412.0 | 282.9 | 174.2 | 118.9 | 109.6 | 109.6 | 111.9 | 115.2 | 118.9 | 120.8 |
| 60°   | 626.1 | 406.4 | 234.6 | 134.7 | 107.3 | 105.9 | 109.2 | 111.9 | 114.7 | 118.0 | 119.8 |
| 62.5° | 629.8 | 392.0 | 185.8 | 111.5 | 101.3 | 103.6 | 108.7 | 112.4 | 113.3 | 115.7 | 118.0 |
| 65°   | 578.8 | 341.9 | 147.7 | 99.9  | 98.5  | 102.2 | 107.3 | 110.1 | 110.5 | 111.5 | 113.8 |
| 67.5° | 506.8 | 278.7 | 119.4 | 94.3  | 95.7  | 99.9  | 102.7 | 105.0 | 106.4 | 108.7 | 109.2 |
| 70°   | 416.2 | 223.9 | 102.2 | 88.7  | 90.1  | 94.8  | 97.1  | 99.4  | 102.2 | 105.0 | 103.6 |
| 72.5° | 295.0 | 174.2 | 89.6  | 82.7  | 84.5  | 88.7  | 91.5  | 93.4  | 95.7  | 98.5  | 96.6  |
| 75°   | 125.4 | 121.7 | 77.6  | 74.8  | 77.6  | 80.4  | 83.1  | 85.9  | 88.3  | 89.6  | 89.6  |
| 77.5° | 64.1  | 71.5  | 66.9  | 66.9  | 68.7  | 71.5  | 73.9  | 76.6  | 78.0  | 79.4  | 81.3  |
| 80°   | 54.3  | 55.3  | 56.2  | 58.1  | 59.9  | 62.7  | 65.0  | 67.4  | 67.8  | 68.3  | 69.2  |
| 82.5° | 45.1  | 46.9  | 47.8  | 50.6  | 52.0  | 53.0  | 54.3  | 54.3  | 55.3  | 55.3  | 53.9  |
| 85°   | 32.5  | 34.8  | 36.2  | 36.7  | 36.2  | 36.7  | 37.2  | 38.1  | 40.4  | 40.4  | 38.6  |
| 87.5° | 9.3   | 8.8   | 11.1  | 11.6  | 12.5  | 14.4  | 16.3  | 19.5  | 20.4  | 21.4  | 21.4  |
| 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°    | 878.4 | 878.4 | 878.4 | 878.4 |
| 2.5°  | 866.7 | 867.7 | 865.8 | 866.3 |
| 5°    | 853.7 | 855.6 | 853.3 | 856.1 |
| 7.5°  | 837.0 | 839.8 | 839.3 | 838.9 |
| 10°   | 812.9 | 816.6 | 816.6 | 818.0 |
| 12.5° | 782.2 | 784.5 | 786.4 | 787.3 |
| 15°   | 740.9 | 745.0 | 747.4 | 747.4 |
| 17.5° | 691.2 | 693.9 | 695.3 | 693.5 |
| 20°   | 628.0 | 627.1 | 627.5 | 622.9 |
| 22.5° | 555.1 | 556.5 | 552.3 | 553.2 |
| 25°   | 483.5 | 481.2 | 483.1 | 480.3 |
| 27.5° | 414.3 | 414.8 | 409.7 | 412.0 |
| 30°   | 348.4 | 346.0 | 339.5 | 342.8 |
| 32.5° | 284.7 | 278.7 | 271.7 | 267.5 |
| 35°   | 224.8 | 215.5 | 212.3 | 210.9 |
| 37.5° | 176.5 | 166.3 | 163.0 | 159.3 |
| 40°   | 140.3 | 136.6 | 135.2 | 136.1 |
| 42.5° | 125.9 | 125.9 | 126.8 | 127.3 |
| 45°   | 122.2 | 123.6 | 124.9 | 125.4 |
| 47.5° | 122.6 | 124.0 | 125.9 | 126.3 |
| 50°   | 123.6 | 124.9 | 126.3 | 126.8 |
| 52.5° | 124.0 | 124.0 | 124.9 | 125.4 |
| 55°   | 123.1 | 122.6 | 123.1 | 123.6 |
| 57.5° | 121.2 | 120.3 | 120.8 | 122.2 |
| 60°   | 120.3 | 118.9 | 119.8 | 120.8 |
| 62.5° | 118.0 | 117.5 | 118.4 | 118.9 |
| 65°   | 112.9 | 113.3 | 114.7 | 114.7 |
| 67.5° | 108.2 | 108.7 | 109.2 | 109.6 |
| 70°   | 102.7 | 103.1 | 104.0 | 104.5 |
| 72.5° | 96.1  | 98.0  | 99.4  | 101.3 |
| 75°   | 91.0  | 92.9  | 95.7  | 97.5  |
| 77.5° | 82.2  | 83.6  | 86.9  | 89.2  |
| 80°   | 69.7  | 69.2  | 69.7  | 71.1  |
| 82.5° | 53.4  | 53.4  | 53.0  | 52.5  |
| 85°   | 37.6  | 37.2  | 35.8  | 35.8  |
| 87.5° | 20.4  | 20.0  | 19.5  | 18.6  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)