

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: P139897

Luminaire Tested: **ENC-F02-LED-E1-GZW-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139897  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33649)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ENC-F02-LED-E1-GZW-7060  
Description: ENTRI LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4717.9 lumens  
Efficiency: N/A  
Efficacy: 95.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 49.3  
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

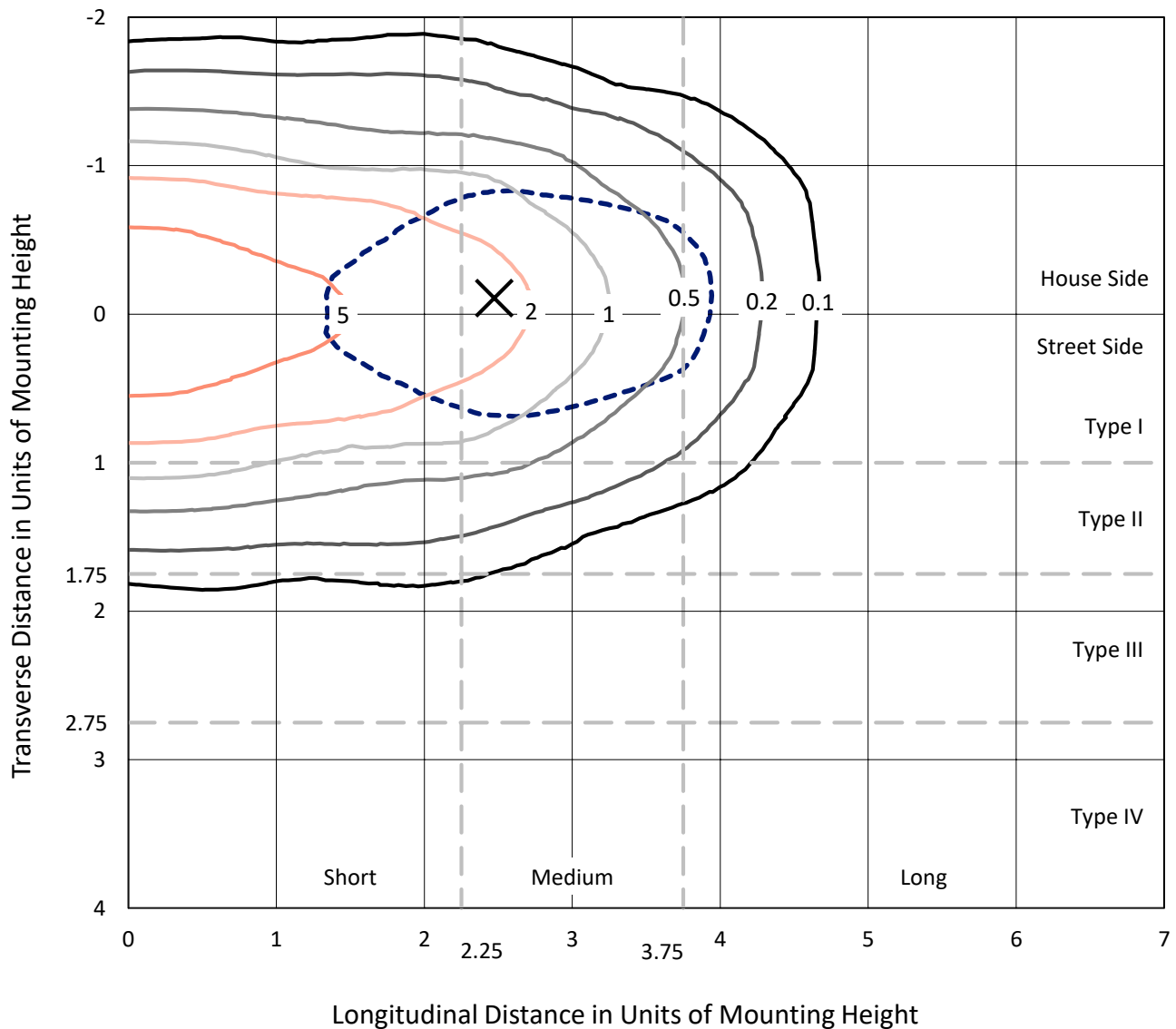


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## Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

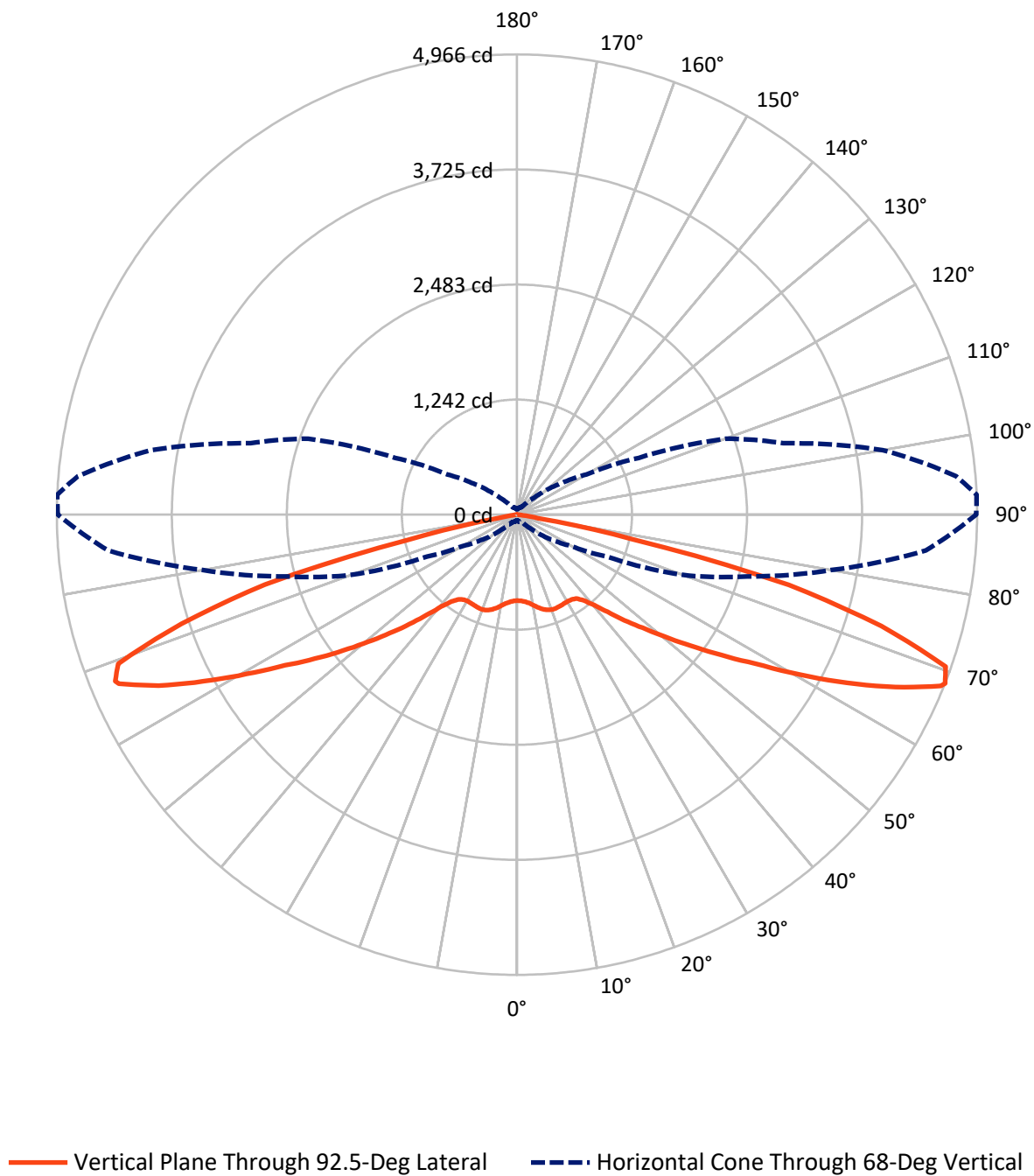


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc  
 Type I - Short - Full Cutoff

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## Luminous Intensity Polar Plot



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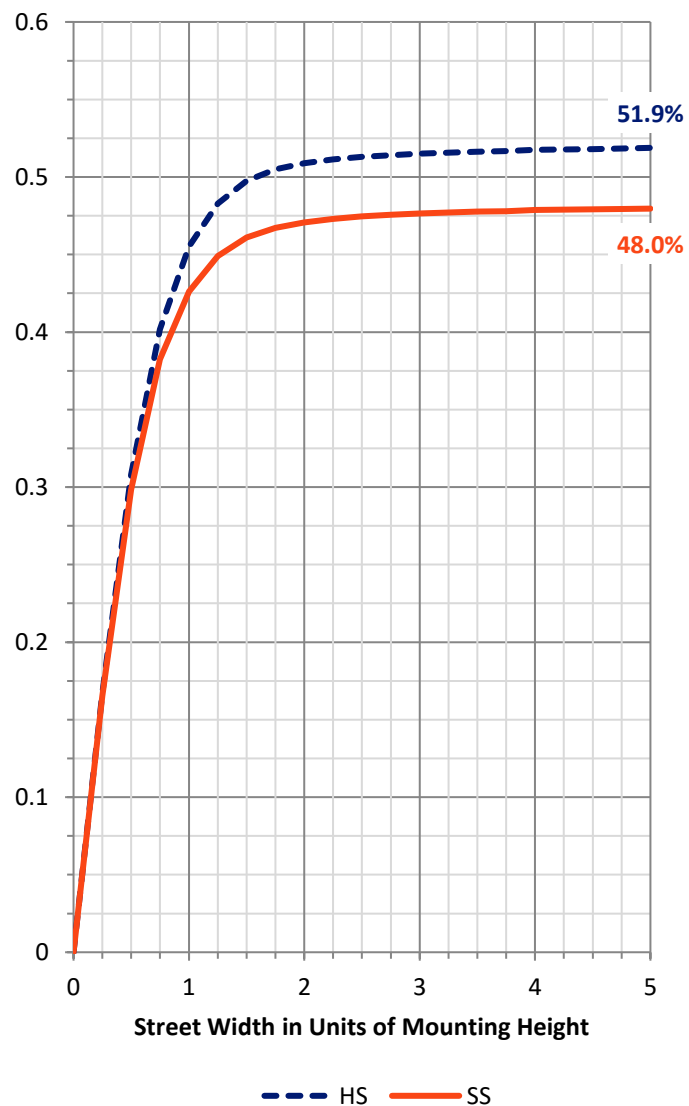
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2464.6   | 0.0    | 2464.6 |
|                    | % Fixture | 52.2     | 0.0    | 52.2   |
| <b>Street Side</b> | Lumens    | 2253.3   | 0.0    | 2253.3 |
|                    | % Fixture | 47.8     | 0.0    | 47.8   |
| <b>Total</b>       | Lumens    | 4717.9   | 0.0    | 4717.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 91.2   | 1.9       |
| 10°-20°   | 288.5  | 6.1       |
| 20°-30°   | 467.9  | 9.9       |
| 30°-40°   | 581.6  | 12.3      |
| 40°-50°   | 723.1  | 15.3      |
| 50°-60°   | 889.5  | 18.9      |
| 60°-70°   | 1051.6 | 22.3      |
| 70°-80°   | 588.9  | 12.5      |
| 80°-90°   | 35.8   | 0.8       |
| 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°    | 4717.9 | 100.0     |
| 0°-180°   | 4717.9 | 100.0     |

**Coefficient of Utilization**



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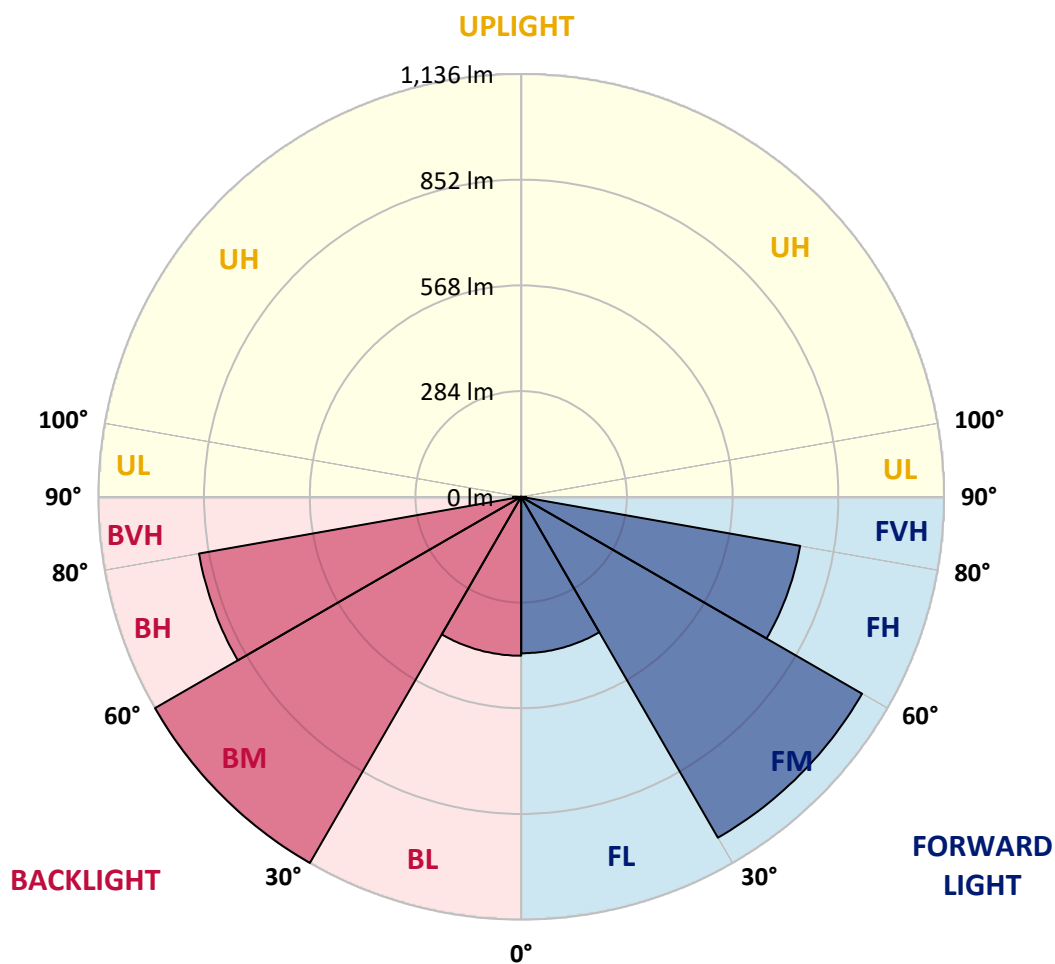
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 420.4  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 1057.8 | 22.4      |                         |      |         |
| FH   | (60°-80°)   | 761.4  | 16.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 13.6   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 427.0  | 9.1       | B1/500                  |      |         |
| BM   | (30°-60°)   | 1136.3 | 24.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 879.1  | 18.6      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 22.1   | 0.5       |                         |      | 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 I Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0°    | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  |
| 2.5°  | 931.8 | 931.8 | 931.8 | 932.6 | 933.5 | 935.2 | 934.3  | 936.0  | 933.5  | 936.9  | 936.9  |
| 5°    | 942.8 | 943.6 | 944.5 | 944.5 | 946.2 | 947.0 | 946.2  | 948.7  | 946.2  | 949.6  | 950.4  |
| 7.5°  | 953.0 | 953.0 | 953.8 | 954.7 | 956.3 | 958.0 | 958.9  | 961.4  | 960.6  | 964.0  | 967.4  |
| 10°   | 960.6 | 959.7 | 960.6 | 962.3 | 966.5 | 969.1 | 972.4  | 975.8  | 977.5  | 980.9  | 986.0  |
| 12.5° | 964.0 | 963.1 | 965.7 | 969.9 | 974.1 | 979.2 | 984.3  | 991.9  | 997.0  | 1002.1 | 1009.7 |
| 15°   | 962.3 | 962.3 | 965.7 | 970.7 | 979.2 | 988.5 | 997.9  | 1008.0 | 1017.3 | 1028.3 | 1036.0 |
| 17.5° | 946.2 | 947.9 | 953.0 | 961.4 | 974.1 | 988.5 | 1003.8 | 1020.7 | 1036.0 | 1051.2 | 1061.4 |
| 20°   | 917.4 | 919.1 | 928.4 | 938.6 | 955.5 | 976.7 | 1000.4 | 1025.0 | 1048.7 | 1069.0 | 1083.4 |
| 22.5° | 881.8 | 880.1 | 888.6 | 902.1 | 925.0 | 950.4 | 980.9  | 1017.3 | 1049.5 | 1078.3 | 1098.7 |
| 25°   | 826.7 | 826.7 | 836.1 | 853.0 | 877.6 | 908.9 | 946.2  | 992.8  | 1036.0 | 1073.2 | 1102.0 |
| 27.5° | 768.3 | 769.1 | 781.0 | 795.4 | 823.4 | 853.0 | 896.2  | 950.4  | 1002.9 | 1052.1 | 1094.4 |
| 30°   | 709.8 | 712.4 | 722.6 | 737.0 | 766.6 | 797.9 | 842.0  | 895.4  | 952.1  | 1013.1 | 1070.7 |
| 32.5° | 649.7 | 653.1 | 661.6 | 678.5 | 710.7 | 745.4 | 790.3  | 837.8  | 892.0  | 958.9  | 1033.4 |
| 35°   | 593.0 | 595.5 | 602.3 | 622.6 | 655.6 | 692.9 | 742.9  | 788.6  | 843.7  | 905.5  | 987.7  |
| 37.5° | 539.6 | 542.1 | 549.8 | 570.9 | 604.0 | 641.2 | 690.4  | 742.0  | 798.8  | 859.8  | 941.1  |
| 40°   | 482.0 | 487.9 | 498.1 | 518.4 | 548.9 | 591.3 | 641.2  | 695.4  | 755.6  | 825.1  | 908.1  |
| 42.5° | 429.5 | 434.5 | 443.9 | 461.7 | 492.2 | 537.0 | 589.6  | 645.5  | 710.7  | 789.5  | 883.5  |
| 45°   | 381.2 | 385.4 | 394.7 | 410.8 | 443.0 | 478.6 | 526.0  | 584.5  | 652.2  | 742.9  | 857.2  |
| 47.5° | 334.6 | 338.8 | 349.0 | 368.5 | 394.7 | 429.5 | 471.8  | 523.5  | 586.2  | 678.5  | 807.3  |
| 50°   | 288.0 | 292.2 | 302.4 | 321.9 | 347.3 | 381.2 | 420.1  | 466.7  | 528.6  | 608.2  | 734.4  |
| 52.5° | 237.2 | 241.4 | 251.6 | 271.1 | 295.6 | 327.8 | 367.6  | 415.9  | 473.5  | 548.9  | 653.1  |
| 55°   | 182.1 | 188.1 | 197.4 | 213.5 | 239.7 | 271.9 | 311.7  | 364.2  | 422.7  | 496.4  | 593.0  |
| 57.5° | 131.3 | 135.5 | 146.5 | 159.3 | 181.3 | 215.2 | 250.7  | 304.9  | 370.2  | 445.6  | 541.3  |
| 60°   | 95.7  | 100.0 | 107.6 | 117.7 | 133.0 | 157.6 | 188.9  | 239.7  | 311.7  | 396.4  | 494.7  |
| 62.5° | 79.6  | 83.0  | 90.6  | 100.8 | 109.3 | 121.1 | 139.8  | 178.7  | 249.0  | 343.1  | 446.4  |
| 65°   | 70.3  | 72.8  | 79.6  | 89.8  | 96.6  | 101.6 | 109.3  | 135.5  | 193.1  | 285.5  | 399.0  |
| 67.5° | 62.7  | 65.2  | 70.3  | 78.8  | 86.4  | 88.9  | 93.2   | 111.0  | 151.6  | 232.1  | 349.0  |
| 68°   | 61.8  | 64.4  | 68.6  | 76.2  | 83.9  | 86.4  | 90.6   | 108.4  | 147.4  | 221.1  | 335.4  |
| 70°   | 57.6  | 59.3  | 63.5  | 69.5  | 75.4  | 77.1  | 82.2   | 100.0  | 138.1  | 193.1  | 271.9  |
| 72.5° | 52.5  | 53.4  | 55.9  | 61.0  | 66.9  | 67.8  | 72.8   | 87.2   | 108.4  | 142.3  | 202.5  |
| 75°   | 44.0  | 44.9  | 48.3  | 52.5  | 55.9  | 57.6  | 59.3   | 66.1   | 73.7   | 88.1   | 119.4  |
| 77.5° | 33.9  | 35.6  | 38.1  | 40.7  | 45.7  | 47.4  | 45.7   | 50.8   | 54.2   | 60.1   | 72.8   |
| 80°   | 20.3  | 20.3  | 22.9  | 25.4  | 28.0  | 32.2  | 30.5   | 35.6   | 38.1   | 41.5   | 49.1   |
| 82.5° | 3.4   | 4.2   | 4.2   | 5.9   | 7.6   | 9.3   | 10.2   | 12.7   | 16.1   | 19.5   | 26.3   |
| 85°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.8    | 0.8    | 2.5    |
| 87.5° | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 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°    | 92.5°  | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  |
| 2.5°  | 931.8  | 934.3  | 934.3  | 933.5  | 933.5  | 933.5  | 930.9  | 931.8  | 932.6  | 935.2  | 931.8  |
| 5°    | 945.3  | 947.9  | 947.0  | 946.2  | 946.2  | 946.2  | 942.8  | 943.6  | 944.5  | 946.2  | 942.8  |
| 7.5°  | 963.1  | 965.7  | 966.5  | 966.5  | 966.5  | 968.2  | 963.1  | 963.1  | 964.8  | 966.5  | 961.4  |
| 10°   | 989.4  | 989.4  | 991.9  | 993.6  | 995.3  | 997.0  | 993.6  | 991.9  | 995.3  | 995.3  | 989.4  |
| 12.5° | 1013.9 | 1015.6 | 1019.9 | 1023.3 | 1024.1 | 1027.5 | 1027.5 | 1026.7 | 1029.2 | 1028.3 | 1021.6 |
| 15°   | 1041.9 | 1043.6 | 1047.0 | 1051.2 | 1052.1 | 1055.5 | 1055.5 | 1056.3 | 1058.8 | 1060.5 | 1050.4 |
| 17.5° | 1068.2 | 1070.7 | 1070.7 | 1071.6 | 1073.2 | 1075.8 | 1077.5 | 1078.3 | 1080.9 | 1082.6 | 1072.4 |
| 20°   | 1090.2 | 1092.7 | 1088.5 | 1085.1 | 1081.7 | 1083.4 | 1086.8 | 1090.2 | 1091.9 | 1092.7 | 1080.0 |
| 22.5° | 1107.1 | 1108.0 | 1101.2 | 1091.9 | 1082.6 | 1081.7 | 1086.0 | 1091.9 | 1093.6 | 1092.7 | 1074.9 |
| 25°   | 1116.4 | 1119.0 | 1112.2 | 1097.8 | 1080.9 | 1074.9 | 1079.2 | 1086.8 | 1090.2 | 1086.8 | 1065.6 |
| 27.5° | 1116.4 | 1125.8 | 1122.4 | 1107.1 | 1084.3 | 1068.2 | 1070.7 | 1082.6 | 1085.1 | 1080.9 | 1056.3 |
| 30°   | 1108.0 | 1127.5 | 1131.7 | 1122.4 | 1098.7 | 1070.7 | 1067.3 | 1080.9 | 1084.3 | 1076.6 | 1052.1 |
| 32.5° | 1091.0 | 1126.6 | 1143.6 | 1144.4 | 1125.8 | 1091.0 | 1074.1 | 1087.6 | 1090.2 | 1080.9 | 1060.5 |
| 35°   | 1067.3 | 1125.8 | 1158.8 | 1174.9 | 1169.0 | 1134.2 | 1104.6 | 1113.1 | 1111.4 | 1101.2 | 1093.6 |
| 37.5° | 1041.1 | 1125.8 | 1180.8 | 1218.1 | 1231.6 | 1213.9 | 1174.9 | 1170.7 | 1174.9 | 1159.6 | 1155.4 |
| 40°   | 1012.3 | 1128.3 | 1212.2 | 1278.2 | 1318.9 | 1324.8 | 1290.1 | 1278.2 | 1283.3 | 1268.9 | 1274.8 |
| 42.5° | 995.3  | 1131.7 | 1253.7 | 1348.5 | 1427.3 | 1487.5 | 1472.2 | 1436.6 | 1434.1 | 1435.8 | 1448.5 |
| 45°   | 986.8  | 1140.2 | 1295.2 | 1428.2 | 1538.3 | 1672.1 | 1686.5 | 1623.0 | 1626.4 | 1635.7 | 1655.2 |
| 47.5° | 977.5  | 1156.3 | 1343.5 | 1511.2 | 1659.4 | 1847.5 | 1917.8 | 1832.2 | 1825.4 | 1860.2 | 1866.1 |
| 50°   | 943.6  | 1175.7 | 1398.5 | 1604.4 | 1786.5 | 2044.8 | 2155.8 | 2068.6 | 2070.3 | 2102.4 | 2090.6 |
| 52.5° | 865.7  | 1176.6 | 1457.0 | 1697.5 | 1913.5 | 2239.7 | 2408.2 | 2350.6 | 2346.4 | 2377.7 | 2315.1 |
| 55°   | 758.1  | 1123.2 | 1504.4 | 1789.0 | 2033.8 | 2420.9 | 2669.1 | 2681.8 | 2673.4 | 2678.5 | 2542.9 |
| 57.5° | 671.7  | 991.9  | 1509.5 | 1866.1 | 2135.5 | 2592.9 | 2936.8 | 3028.3 | 3029.1 | 3007.1 | 2766.5 |
| 60°   | 615.8  | 844.5  | 1443.4 | 1929.6 | 2254.1 | 2812.3 | 3285.8 | 3490.8 | 3502.7 | 3412.9 | 3065.6 |
| 62.5° | 569.2  | 770.0  | 1307.0 | 1994.9 | 2390.4 | 3034.2 | 3661.9 | 3999.0 | 3999.9 | 3850.0 | 3395.1 |
| 65°   | 532.8  | 729.3  | 1157.1 | 1970.3 | 2495.5 | 3249.4 | 4060.0 | 4510.7 | 4488.7 | 4323.5 | 3707.6 |
| 67.5° | 492.2  | 692.9  | 1087.6 | 1932.2 | 2585.3 | 3448.4 | 4410.7 | 4928.3 | 4934.2 | 4730.9 | 3997.3 |
| 68°   | 483.7  | 679.4  | 1069.9 | 1900.0 | 2575.1 | 3441.7 | 4429.4 | 4956.2 | 4966.4 | 4757.2 | 4010.1 |
| 70°   | 416.8  | 593.0  | 930.9  | 1659.4 | 2392.1 | 3257.9 | 4310.8 | 4877.5 | 4908.8 | 4675.0 | 3868.6 |
| 72.5° | 277.8  | 410.0  | 621.8  | 1172.4 | 1843.2 | 2588.7 | 3528.9 | 4085.4 | 4111.7 | 3954.1 | 3213.0 |
| 75°   | 176.2  | 249.0  | 330.4  | 676.0  | 1238.4 | 1857.6 | 2660.7 | 2985.1 | 3028.3 | 2976.6 | 2405.7 |
| 77.5° | 106.7  | 174.5  | 203.3  | 327.8  | 652.2  | 869.1  | 1202.0 | 1223.2 | 1272.3 | 1241.8 | 1246.9 |
| 80°   | 70.3   | 121.1  | 148.2  | 222.8  | 226.2  | 187.2  | 212.6  | 214.3  | 227.0  | 241.4  | 251.6  |
| 82.5° | 39.8   | 73.7   | 103.3  | 152.5  | 134.7  | 69.5   | 59.3   | 61.8   | 63.5   | 65.2   | 77.1   |
| 85°   | 5.9    | 13.6   | 28.8   | 47.4   | 48.3   | 22.9   | 21.2   | 19.5   | 20.3   | 22.0   | 28.0   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 0.8    | 1.7    | 2.5    | 2.5    | 2.5    | 5.1    | 5.1    |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  | 927.5  |
| 2.5°  | 930.9  | 930.1  | 930.9  | 928.4  | 930.9  | 930.1  | 930.1  | 930.1  | 929.2  | 930.1  | 930.1  |
| 5°    | 941.1  | 941.1  | 941.1  | 939.4  | 941.1  | 941.1  | 941.1  | 941.1  | 940.3  | 941.1  | 941.9  |
| 7.5°  | 960.6  | 960.6  | 959.7  | 957.2  | 958.9  | 958.9  | 958.0  | 956.3  | 954.7  | 955.5  | 954.7  |
| 10°   | 986.8  | 988.5  | 983.5  | 983.5  | 980.9  | 977.5  | 975.0  | 972.4  | 971.6  | 969.9  | 966.5  |
| 12.5° | 1019.0 | 1018.2 | 1011.4 | 1008.9 | 1007.2 | 1000.4 | 995.3  | 992.8  | 989.4  | 985.1  | 980.1  |
| 15°   | 1047.8 | 1044.4 | 1039.4 | 1036.8 | 1034.3 | 1026.7 | 1019.9 | 1013.9 | 1009.7 | 1003.8 | 996.2  |
| 17.5° | 1067.3 | 1063.9 | 1061.4 | 1060.5 | 1060.5 | 1053.8 | 1047.8 | 1040.2 | 1030.9 | 1019.9 | 1007.2 |
| 20°   | 1071.6 | 1071.6 | 1072.4 | 1077.5 | 1082.6 | 1080.0 | 1073.2 | 1063.9 | 1050.4 | 1032.6 | 1013.1 |
| 22.5° | 1065.6 | 1069.0 | 1076.6 | 1089.3 | 1100.4 | 1101.2 | 1094.4 | 1080.9 | 1058.0 | 1032.6 | 1003.8 |
| 25°   | 1055.5 | 1064.8 | 1080.9 | 1098.7 | 1113.9 | 1113.9 | 1102.0 | 1082.6 | 1051.2 | 1014.8 | 976.7  |
| 27.5° | 1050.4 | 1069.0 | 1091.9 | 1110.5 | 1120.7 | 1114.8 | 1093.6 | 1065.6 | 1022.4 | 975.8  | 931.8  |
| 30°   | 1056.3 | 1085.1 | 1109.7 | 1122.4 | 1124.1 | 1104.6 | 1068.2 | 1026.7 | 975.8  | 919.9  | 875.0  |
| 32.5° | 1078.3 | 1113.1 | 1131.7 | 1134.2 | 1122.4 | 1086.0 | 1029.2 | 971.6  | 914.8  | 863.2  | 817.4  |
| 35°   | 1123.2 | 1152.9 | 1159.6 | 1149.5 | 1119.8 | 1058.8 | 977.5  | 909.8  | 858.9  | 809.8  | 762.4  |
| 37.5° | 1196.1 | 1209.6 | 1196.9 | 1167.3 | 1111.4 | 1025.8 | 930.1  | 864.0  | 809.8  | 761.5  | 709.0  |
| 40°   | 1299.4 | 1284.2 | 1247.7 | 1189.3 | 1102.0 | 989.4  | 892.8  | 826.7  | 766.6  | 713.2  | 660.7  |
| 42.5° | 1428.2 | 1374.8 | 1299.4 | 1214.7 | 1091.9 | 965.7  | 865.7  | 789.5  | 723.4  | 664.1  | 609.0  |
| 45°   | 1572.2 | 1473.1 | 1370.6 | 1243.5 | 1088.5 | 951.3  | 833.5  | 743.7  | 666.6  | 607.4  | 553.1  |
| 47.5° | 1718.7 | 1577.3 | 1442.6 | 1274.8 | 1092.7 | 925.9  | 784.4  | 683.6  | 603.1  | 545.5  | 494.7  |
| 50°   | 1867.0 | 1694.2 | 1526.4 | 1315.5 | 1090.2 | 874.2  | 717.5  | 615.0  | 540.4  | 488.8  | 443.0  |
| 52.5° | 2016.0 | 1818.7 | 1612.8 | 1351.9 | 1056.3 | 792.9  | 643.8  | 556.5  | 484.5  | 434.5  | 389.7  |
| 55°   | 2162.6 | 1939.8 | 1697.5 | 1362.9 | 958.0  | 707.3  | 581.9  | 498.1  | 426.9  | 376.1  | 327.0  |
| 57.5° | 2301.5 | 2049.1 | 1756.8 | 1298.6 | 836.9  | 640.4  | 526.9  | 444.7  | 369.3  | 310.9  | 262.6  |
| 60°   | 2474.3 | 2153.3 | 1773.8 | 1142.7 | 740.3  | 584.5  | 476.9  | 382.9  | 298.2  | 236.3  | 192.3  |
| 62.5° | 2663.2 | 2294.7 | 1747.5 | 993.6  | 683.6  | 535.4  | 415.1  | 310.0  | 227.9  | 167.7  | 134.7  |
| 65°   | 2802.1 | 2353.2 | 1614.5 | 914.0  | 648.0  | 487.1  | 349.0  | 240.6  | 157.6  | 115.2  | 102.5  |
| 67.5° | 2986.8 | 2410.8 | 1477.3 | 875.0  | 609.0  | 424.4  | 269.4  | 173.7  | 122.0  | 95.7   | 88.1   |
| 68°   | 2974.1 | 2394.7 | 1448.5 | 864.9  | 597.2  | 402.4  | 254.1  | 170.3  | 118.6  | 93.2   | 85.6   |
| 70°   | 2802.1 | 2197.3 | 1257.9 | 766.6  | 494.7  | 313.4  | 218.5  | 155.0  | 109.3  | 84.7   | 77.9   |
| 72.5° | 2299.0 | 1704.3 | 902.1  | 504.9  | 321.9  | 229.6  | 161.8  | 116.9  | 90.6   | 74.5   | 69.5   |
| 75°   | 1627.2 | 1065.6 | 452.3  | 290.5  | 202.5  | 133.0  | 91.5   | 75.4   | 66.9   | 59.3   | 59.3   |
| 77.5° | 914.8  | 557.4  | 238.9  | 199.1  | 114.4  | 77.1   | 61.0   | 56.8   | 52.5   | 48.3   | 53.4   |
| 80°   | 298.2  | 290.5  | 176.2  | 136.4  | 79.6   | 56.8   | 47.4   | 44.9   | 42.4   | 38.1   | 47.4   |
| 82.5° | 160.9  | 199.1  | 127.1  | 97.4   | 58.4   | 40.7   | 35.6   | 36.4   | 33.0   | 29.6   | 35.6   |
| 85°   | 72.0   | 94.9   | 84.7   | 67.8   | 36.4   | 22.9   | 18.6   | 22.0   | 19.5   | 17.8   | 16.9   |
| 87.5° | 28.0   | 46.6   | 33.9   | 19.5   | 8.5    | 5.1    | 5.1    | 4.2    | 3.4    | 3.4    | 2.5    |
| 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):**

|       | 160°   | 165°  | 170°  | 175°  | 180°  |
|-------|--------|-------|-------|-------|-------|
| 0°    | 927.5  | 927.5 | 927.5 | 927.5 | 927.5 |
| 2.5°  | 927.5  | 927.5 | 926.7 | 925.9 | 924.2 |
| 5°    | 939.4  | 939.4 | 938.6 | 937.7 | 936.0 |
| 7.5°  | 952.1  | 951.3 | 950.4 | 949.6 | 947.9 |
| 10°   | 965.7  | 964.0 | 964.0 | 964.8 | 964.0 |
| 12.5° | 979.2  | 976.7 | 974.1 | 973.3 | 975.8 |
| 15°   | 992.8  | 987.7 | 983.5 | 982.6 | 982.6 |
| 17.5° | 1000.4 | 991.9 | 984.3 | 981.8 | 981.8 |
| 20°   | 998.7  | 983.5 | 973.3 | 968.2 | 969.1 |
| 22.5° | 982.6  | 961.4 | 947.9 | 941.1 | 938.6 |
| 25°   | 948.7  | 923.3 | 906.4 | 897.1 | 897.9 |
| 27.5° | 897.9  | 870.8 | 852.2 | 847.1 | 842.0 |
| 30°   | 837.8  | 810.7 | 792.0 | 781.0 | 781.9 |
| 32.5° | 778.5  | 748.8 | 731.9 | 719.2 | 717.5 |
| 35°   | 721.7  | 689.5 | 669.2 | 659.9 | 658.2 |
| 37.5° | 665.8  | 631.9 | 613.3 | 604.8 | 598.9 |
| 40°   | 614.1  | 583.6 | 561.6 | 548.9 | 546.4 |
| 42.5° | 563.3  | 528.6 | 506.6 | 497.2 | 494.7 |
| 45°   | 505.7  | 472.7 | 453.2 | 445.6 | 443.9 |
| 47.5° | 454.0  | 422.7 | 406.6 | 396.4 | 393.0 |
| 50°   | 404.1  | 374.4 | 355.8 | 346.5 | 344.8 |
| 52.5° | 351.5  | 321.9 | 302.4 | 294.8 | 288.0 |
| 55°   | 293.9  | 262.6 | 243.1 | 229.6 | 224.5 |
| 57.5° | 227.0  | 199.1 | 178.7 | 169.4 | 160.1 |
| 60°   | 162.6  | 138.1 | 122.0 | 114.4 | 107.6 |
| 62.5° | 115.2  | 99.1  | 88.9  | 81.3  | 77.1  |
| 65°   | 94.9   | 87.2  | 76.2  | 69.5  | 66.1  |
| 67.5° | 83.9   | 76.2  | 67.8  | 61.8  | 59.3  |
| 68°   | 82.2   | 74.5  | 66.1  | 60.1  | 58.4  |
| 70°   | 75.4   | 67.8  | 60.1  | 55.9  | 54.2  |
| 72.5° | 66.9   | 61.0  | 54.2  | 50.0  | 48.3  |
| 75°   | 57.6   | 51.7  | 47.4  | 44.0  | 41.5  |
| 77.5° | 50.8   | 42.4  | 40.7  | 37.3  | 35.6  |
| 80°   | 42.4   | 38.1  | 34.7  | 32.2  | 30.5  |
| 82.5° | 34.7   | 28.8  | 24.6  | 22.0  | 21.2  |
| 85°   | 19.5   | 17.8  | 14.4  | 11.0  | 10.2  |
| 87.5° | 1.7    | 0.8   | 0.8   | 0.0   | 0.0   |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)