

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: P139872

Luminaire Tested: **ENT-E02-LED-E1-GZW-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139872  
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: ENT-E02-LED-E1-GZW-7060  
Description: ENTRI LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE  
Light Source: (42) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5715 lumens  
Efficiency: N/A  
Efficacy: 121.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

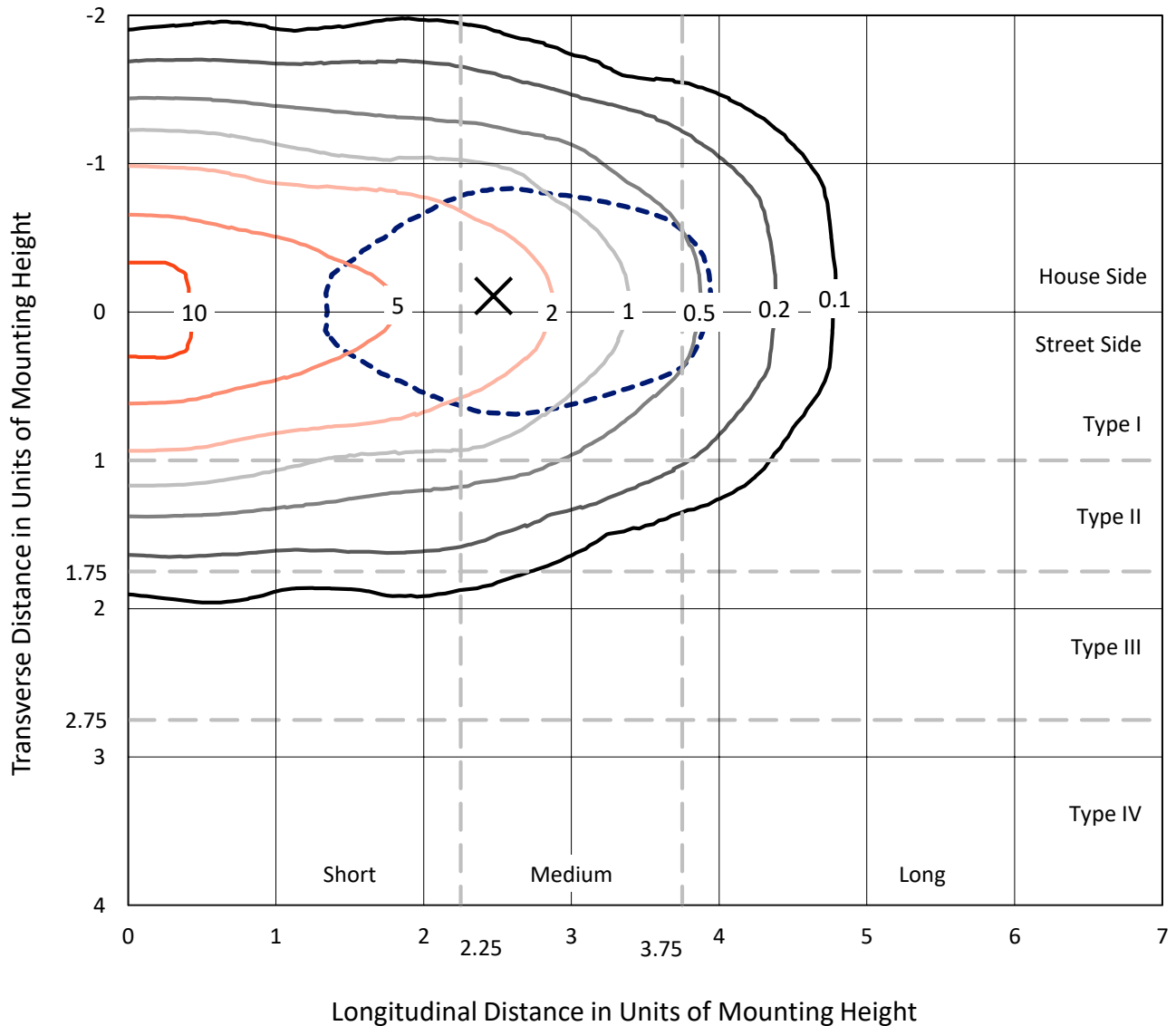
Input Watts (W): 46.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

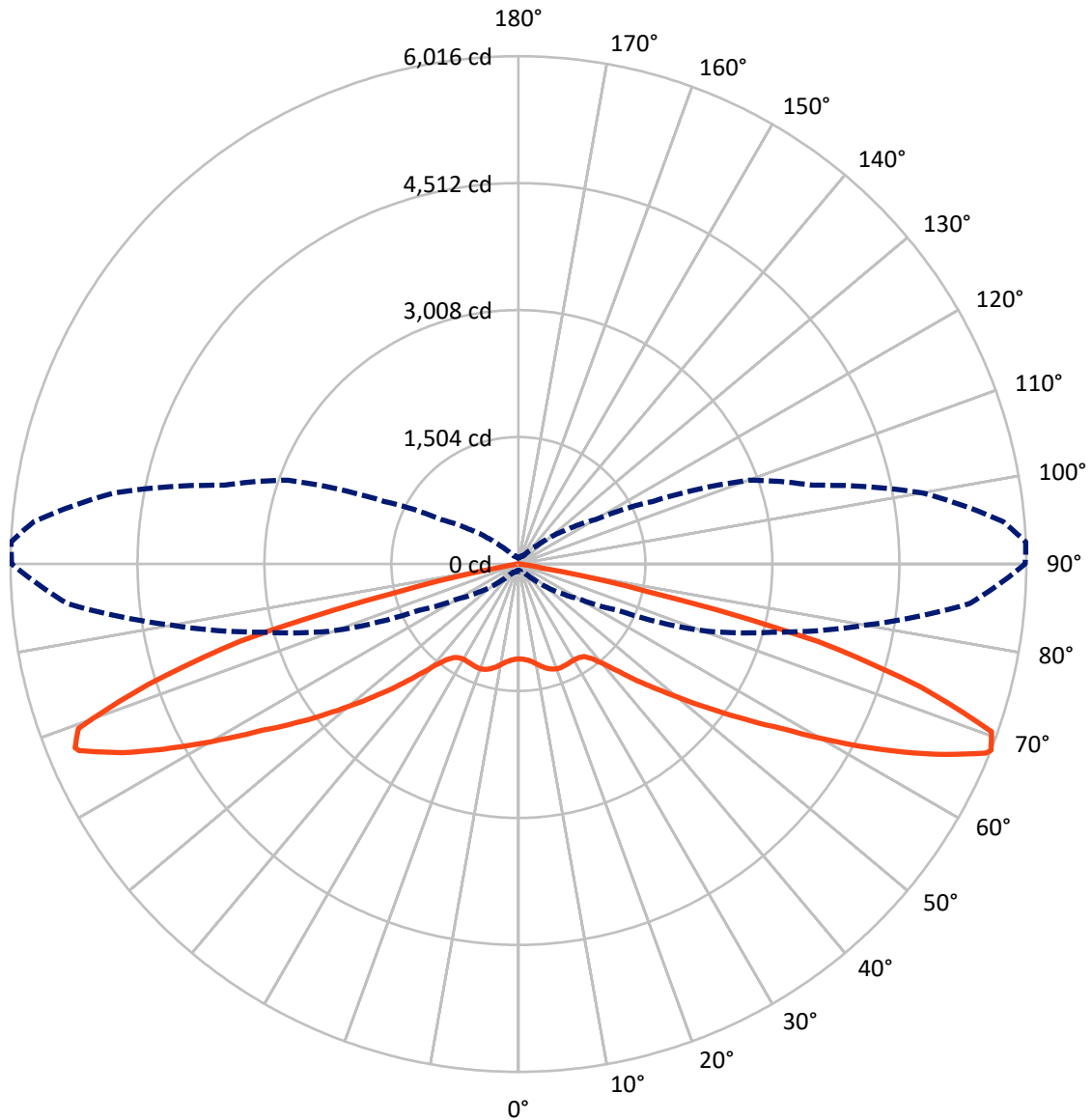
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.6 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92.5-Deg Lateral    - - - Horizontal Cone Through 68-Deg Vertical

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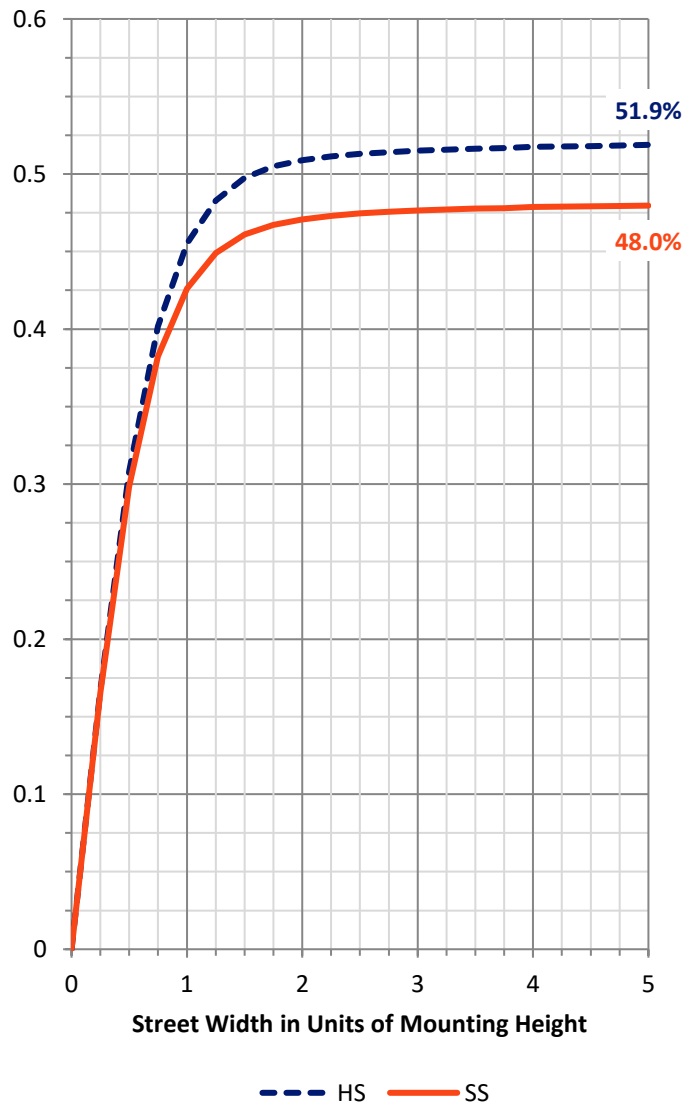
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 2985.5   | 0.0    | 2985.5 |
|                    | % Fixture | 52.2     | 0.0    | 52.2   |
| <b>Street Side</b> | Lumens    | 2729.5   | 0.0    | 2729.5 |
|                    | % Fixture | 47.8     | 0.0    | 47.8   |
| <b>Total</b>       | Lumens    | 5715.0   | 0.0    | 5715.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 110.4  | 1.9       |
| 10°-20°   | 349.4  | 6.1       |
| 20°-30°   | 566.7  | 9.9       |
| 30°-40°   | 704.5  | 12.3      |
| 40°-50°   | 875.9  | 15.3      |
| 50°-60°   | 1077.5 | 18.9      |
| 60°-70°   | 1273.9 | 22.3      |
| 70°-80°   | 713.4  | 12.5      |
| 80°-90°   | 43.3   | 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°    | 5715.0 | 100.0     |
| 0°-180°   | 5715.0 | 100.0     |



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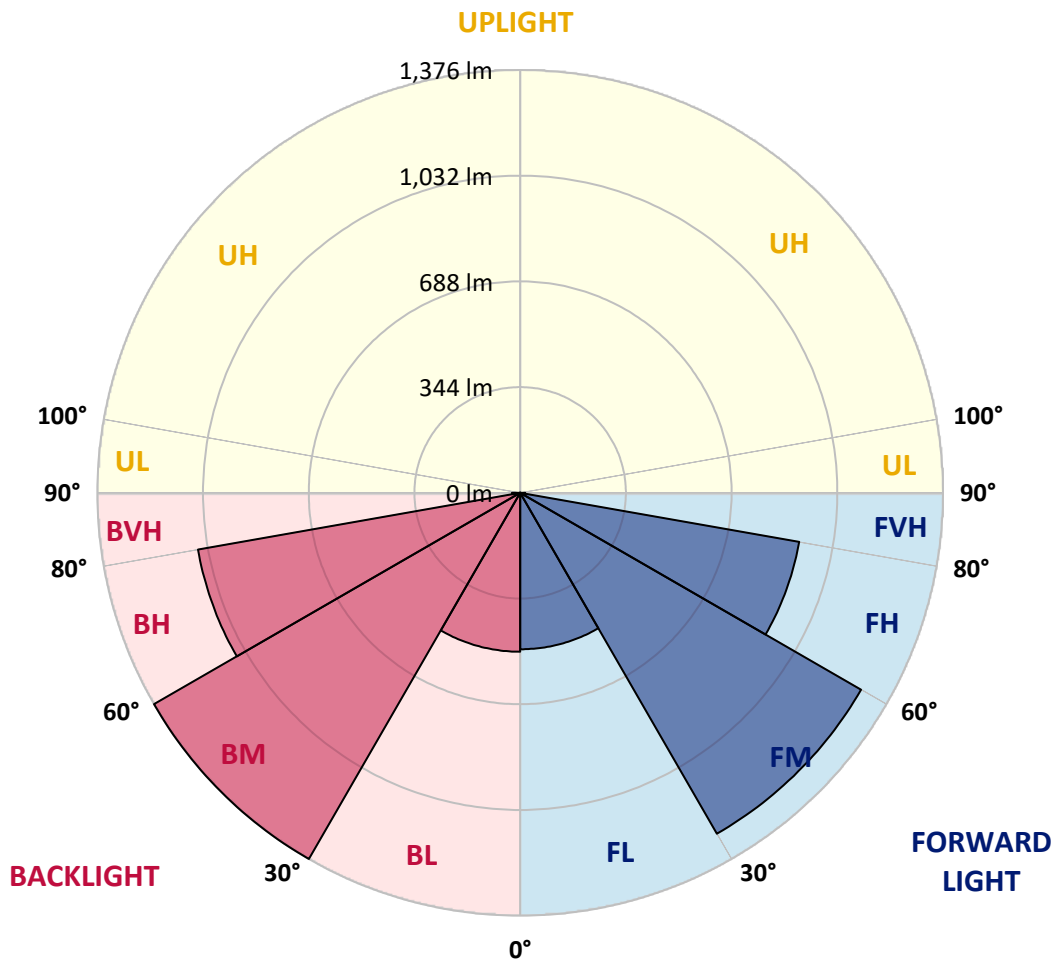
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 509.3  | 8.9       |                         |      |         |
| FM   | (30°-60°)   | 1281.4 | 22.4      |                         |      |         |
| FH   | (60°-80°)   | 922.3  | 16.1      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 16.5   | 0.3       |                         |      | G1/100  |
| BL   | (0°-30°)    | 517.3  | 9.1       | B2/1000                 |      |         |
| BM   | (30°-60°)   | 1376.5 | 24.1      | B2/2500                 |      |         |
| BH   | (60°-80°)   | 1064.9 | 18.6      | B3/2500                 |      | G3/2500 |
| BVH  | (80°-90°)   | 26.8   | 0.5       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B3-U0-G3**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 |
| 2.5°  | 1128.7 | 1128.7 | 1128.7 | 1129.7 | 1130.8 | 1132.8 | 1131.8 | 1133.8 | 1130.8 | 1134.9 | 1134.9 |
| 5°    | 1142.1 | 1143.1 | 1144.1 | 1144.1 | 1146.2 | 1147.2 | 1146.2 | 1149.2 | 1146.2 | 1150.3 | 1151.3 |
| 7.5°  | 1154.4 | 1154.4 | 1155.4 | 1156.4 | 1158.5 | 1160.5 | 1161.6 | 1164.6 | 1163.6 | 1167.7 | 1171.8 |
| 10°   | 1163.6 | 1162.6 | 1163.6 | 1165.7 | 1170.8 | 1173.9 | 1178.0 | 1182.1 | 1184.1 | 1188.2 | 1194.4 |
| 12.5° | 1167.7 | 1166.7 | 1169.8 | 1174.9 | 1180.0 | 1186.2 | 1192.3 | 1201.6 | 1207.7 | 1213.9 | 1223.1 |
| 15°   | 1165.7 | 1165.7 | 1169.8 | 1175.9 | 1186.2 | 1197.5 | 1208.8 | 1221.1 | 1232.4 | 1245.7 | 1254.9 |
| 17.5° | 1146.2 | 1148.2 | 1154.4 | 1164.6 | 1180.0 | 1197.5 | 1215.9 | 1236.5 | 1254.9 | 1273.4 | 1285.7 |
| 20°   | 1111.3 | 1113.3 | 1124.6 | 1136.9 | 1157.4 | 1183.1 | 1211.8 | 1241.6 | 1270.3 | 1294.9 | 1312.4 |
| 22.5° | 1068.2 | 1066.1 | 1076.4 | 1092.8 | 1120.5 | 1151.3 | 1188.2 | 1232.4 | 1271.3 | 1306.2 | 1330.9 |
| 25°   | 1001.5 | 1001.5 | 1012.8 | 1033.3 | 1063.0 | 1101.0 | 1146.2 | 1202.6 | 1254.9 | 1300.1 | 1335.0 |
| 27.5° | 930.7  | 931.7  | 946.1  | 963.5  | 997.4  | 1033.3 | 1085.6 | 1151.3 | 1214.9 | 1274.4 | 1325.7 |
| 30°   | 859.9  | 863.0  | 875.3  | 892.7  | 928.6  | 966.6  | 1019.9 | 1084.6 | 1153.3 | 1227.2 | 1297.0 |
| 32.5° | 787.0  | 791.1  | 801.4  | 821.9  | 860.9  | 903.0  | 957.4  | 1014.8 | 1080.5 | 1161.6 | 1251.8 |
| 35°   | 718.3  | 721.4  | 729.6  | 754.2  | 794.2  | 839.4  | 899.9  | 955.3  | 1022.0 | 1096.9 | 1196.4 |
| 37.5° | 653.6  | 656.7  | 665.9  | 691.6  | 731.6  | 776.8  | 836.3  | 898.9  | 967.6  | 1041.5 | 1140.0 |
| 40°   | 583.9  | 591.0  | 603.4  | 628.0  | 664.9  | 716.2  | 776.8  | 842.4  | 915.3  | 999.4  | 1100.0 |
| 42.5° | 520.2  | 526.4  | 537.7  | 559.2  | 596.2  | 650.6  | 714.2  | 781.9  | 860.9  | 956.3  | 1070.2 |
| 45°   | 461.7  | 466.9  | 478.2  | 497.7  | 536.7  | 579.7  | 637.2  | 708.0  | 790.1  | 899.9  | 1038.4 |
| 47.5° | 405.3  | 410.4  | 422.8  | 446.4  | 478.2  | 520.2  | 571.5  | 634.1  | 710.1  | 821.9  | 977.9  |
| 50°   | 348.9  | 354.0  | 366.3  | 389.9  | 420.7  | 461.7  | 508.9  | 565.4  | 640.3  | 736.7  | 889.6  |
| 52.5° | 287.3  | 292.4  | 304.8  | 328.4  | 358.1  | 397.1  | 445.3  | 503.8  | 573.6  | 664.9  | 791.1  |
| 55°   | 220.6  | 227.8  | 239.1  | 258.6  | 290.4  | 329.4  | 377.6  | 441.2  | 512.0  | 601.3  | 718.3  |
| 57.5° | 159.0  | 164.2  | 177.5  | 192.9  | 219.6  | 260.6  | 303.7  | 369.4  | 448.4  | 539.7  | 655.7  |
| 60°   | 115.9  | 121.1  | 130.3  | 142.6  | 161.1  | 190.9  | 228.8  | 290.4  | 377.6  | 480.2  | 599.2  |
| 62.5° | 96.5   | 100.6  | 109.8  | 122.1  | 132.4  | 146.7  | 169.3  | 216.5  | 301.7  | 415.6  | 540.8  |
| 65°   | 85.2   | 88.2   | 96.5   | 108.8  | 117.0  | 123.1  | 132.4  | 164.2  | 234.0  | 345.8  | 483.3  |
| 67.5° | 75.9   | 79.0   | 85.2   | 95.4   | 104.7  | 107.7  | 112.9  | 134.4  | 183.7  | 281.2  | 422.8  |
| 68°   | 74.9   | 78.0   | 83.1   | 92.3   | 101.6  | 104.7  | 109.8  | 131.3  | 178.5  | 267.8  | 406.3  |
| 70°   | 69.8   | 71.8   | 77.0   | 84.1   | 91.3   | 93.4   | 99.5   | 121.1  | 167.3  | 234.0  | 329.4  |
| 72.5° | 63.6   | 64.6   | 67.7   | 73.9   | 81.1   | 82.1   | 88.2   | 105.7  | 131.3  | 172.4  | 245.2  |
| 75°   | 53.4   | 54.4   | 58.5   | 63.6   | 67.7   | 69.8   | 71.8   | 80.0   | 89.3   | 106.7  | 144.7  |
| 77.5° | 41.0   | 43.1   | 46.2   | 49.3   | 55.4   | 57.5   | 55.4   | 61.6   | 65.7   | 72.9   | 88.2   |
| 80°   | 24.6   | 24.6   | 27.7   | 30.8   | 33.9   | 39.0   | 36.9   | 43.1   | 46.2   | 50.3   | 59.5   |
| 82.5° | 4.1    | 5.1    | 5.1    | 7.2    | 9.2    | 11.3   | 12.3   | 15.4   | 19.5   | 23.6   | 31.8   |
| 85°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 1.0    | 3.1    |
| 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°    | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 |
| 2.5°  | 1128.7 | 1131.8 | 1131.8 | 1130.8 | 1130.8 | 1130.8 | 1127.7 | 1128.7 | 1129.7 | 1132.8 | 1128.7 |
| 5°    | 1145.1 | 1148.2 | 1147.2 | 1146.2 | 1146.2 | 1146.2 | 1142.1 | 1143.1 | 1144.1 | 1146.2 | 1142.1 |
| 7.5°  | 1166.7 | 1169.8 | 1170.8 | 1170.8 | 1170.8 | 1172.8 | 1166.7 | 1166.7 | 1168.7 | 1170.8 | 1164.6 |
| 10°   | 1198.5 | 1198.5 | 1201.6 | 1203.6 | 1205.7 | 1207.7 | 1203.6 | 1201.6 | 1205.7 | 1205.7 | 1198.5 |
| 12.5° | 1228.2 | 1230.3 | 1235.4 | 1239.5 | 1240.6 | 1244.7 | 1244.7 | 1243.6 | 1246.7 | 1245.7 | 1237.5 |
| 15°   | 1262.1 | 1264.2 | 1268.3 | 1273.4 | 1274.4 | 1278.5 | 1278.5 | 1279.6 | 1282.6 | 1284.7 | 1272.4 |
| 17.5° | 1293.9 | 1297.0 | 1297.0 | 1298.0 | 1300.1 | 1303.2 | 1305.2 | 1306.2 | 1309.3 | 1311.4 | 1299.0 |
| 20°   | 1320.6 | 1323.7 | 1318.5 | 1314.4 | 1310.3 | 1312.4 | 1316.5 | 1320.6 | 1322.6 | 1323.7 | 1308.3 |
| 22.5° | 1341.1 | 1342.1 | 1333.9 | 1322.6 | 1311.4 | 1310.3 | 1315.5 | 1322.6 | 1324.7 | 1323.7 | 1302.1 |
| 25°   | 1352.4 | 1355.5 | 1347.3 | 1329.8 | 1309.3 | 1302.1 | 1307.3 | 1316.5 | 1320.6 | 1316.5 | 1290.8 |
| 27.5° | 1352.4 | 1363.7 | 1359.6 | 1341.1 | 1313.4 | 1293.9 | 1297.0 | 1311.4 | 1314.4 | 1309.3 | 1279.6 |
| 30°   | 1342.1 | 1365.7 | 1370.9 | 1359.6 | 1330.9 | 1297.0 | 1292.9 | 1309.3 | 1313.4 | 1304.2 | 1274.4 |
| 32.5° | 1321.6 | 1364.7 | 1385.2 | 1386.3 | 1363.7 | 1321.6 | 1301.1 | 1317.5 | 1320.6 | 1309.3 | 1284.7 |
| 35°   | 1292.9 | 1363.7 | 1403.7 | 1423.2 | 1416.0 | 1374.0 | 1338.0 | 1348.3 | 1346.3 | 1333.9 | 1324.7 |
| 37.5° | 1261.1 | 1363.7 | 1430.4 | 1475.5 | 1492.0 | 1470.4 | 1423.2 | 1418.1 | 1423.2 | 1404.7 | 1399.6 |
| 40°   | 1226.2 | 1366.8 | 1468.4 | 1548.4 | 1597.6 | 1604.8 | 1562.8 | 1548.4 | 1554.5 | 1537.1 | 1544.3 |
| 42.5° | 1205.7 | 1370.9 | 1518.6 | 1633.6 | 1729.0 | 1801.8 | 1783.4 | 1740.3 | 1737.2 | 1739.2 | 1754.6 |
| 45°   | 1195.4 | 1381.1 | 1568.9 | 1730.0 | 1863.4 | 2025.5 | 2043.0 | 1966.0 | 1970.1 | 1981.4 | 2005.0 |
| 47.5° | 1184.1 | 1400.6 | 1627.4 | 1830.6 | 2010.1 | 2237.9 | 2323.1 | 2219.5 | 2211.3 | 2253.3 | 2260.5 |
| 50°   | 1143.1 | 1424.2 | 1694.1 | 1943.4 | 2164.1 | 2477.0 | 2611.4 | 2505.7 | 2507.8 | 2546.8 | 2532.4 |
| 52.5° | 1048.7 | 1425.3 | 1764.9 | 2056.3 | 2318.0 | 2713.0 | 2917.2 | 2847.4 | 2842.3 | 2880.3 | 2804.3 |
| 55°   | 918.4  | 1360.6 | 1822.4 | 2167.1 | 2463.7 | 2932.6 | 3233.3 | 3248.6 | 3238.4 | 3244.5 | 3080.4 |
| 57.5° | 813.7  | 1201.6 | 1828.5 | 2260.5 | 2586.8 | 3140.9 | 3557.5 | 3668.3 | 3669.4 | 3642.7 | 3351.3 |
| 60°   | 746.0  | 1023.0 | 1748.5 | 2337.5 | 2730.5 | 3406.7 | 3980.3 | 4228.6 | 4242.9 | 4134.2 | 3713.5 |
| 62.5° | 689.5  | 932.7  | 1583.3 | 2416.5 | 2895.7 | 3675.5 | 4435.9 | 4844.2 | 4845.3 | 4663.6 | 4112.6 |
| 65°   | 645.4  | 883.5  | 1401.7 | 2386.7 | 3022.9 | 3936.1 | 4918.1 | 5464.0 | 5437.3 | 5237.2 | 4491.3 |
| 67.5° | 596.2  | 839.4  | 1317.5 | 2340.5 | 3131.7 | 4177.3 | 5342.9 | 5969.9 | 5977.1 | 5730.8 | 4842.2 |
| 68°   | 585.9  | 822.9  | 1296.0 | 2301.6 | 3119.4 | 4169.1 | 5365.5 | 6003.7 | 6016.1 | 5762.6 | 4857.6 |
| 70°   | 504.8  | 718.3  | 1127.7 | 2010.1 | 2897.7 | 3946.4 | 5221.9 | 5908.3 | 5946.3 | 5663.1 | 4686.2 |
| 72.5° | 336.6  | 496.6  | 753.2  | 1420.1 | 2232.8 | 3135.8 | 4274.8 | 4948.9 | 4980.7 | 4789.9 | 3892.0 |
| 75°   | 213.4  | 301.7  | 400.2  | 818.8  | 1500.2 | 2250.2 | 3223.0 | 3616.0 | 3668.3 | 3605.7 | 2914.1 |
| 77.5° | 129.3  | 211.4  | 246.3  | 397.1  | 790.1  | 1052.8 | 1456.0 | 1481.7 | 1541.2 | 1504.3 | 1510.4 |
| 80°   | 85.2   | 146.7  | 179.6  | 269.9  | 274.0  | 226.8  | 257.6  | 259.6  | 275.0  | 292.4  | 304.8  |
| 82.5° | 48.2   | 89.3   | 125.2  | 184.7  | 163.2  | 84.1   | 71.8   | 74.9   | 77.0   | 79.0   | 93.4   |
| 85°   | 7.2    | 16.4   | 34.9   | 57.5   | 58.5   | 27.7   | 25.7   | 23.6   | 24.6   | 26.7   | 33.9   |
| 87.5° | 0.0    | 0.0    | 0.0    | 0.0    | 1.0    | 2.1    | 3.1    | 3.1    | 3.1    | 6.2    | 6.2    |
| 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):**

|       | 105°   | 110°   | 115°   | 120°   | 125°   | 130°   | 135°   | 140°   | 145°   | 150°   | 155°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 |
| 2.5°  | 1127.7 | 1126.7 | 1127.7 | 1124.6 | 1127.7 | 1126.7 | 1126.7 | 1126.7 | 1125.6 | 1126.7 | 1126.7 |
| 5°    | 1140.0 | 1140.0 | 1140.0 | 1138.0 | 1140.0 | 1140.0 | 1140.0 | 1140.0 | 1139.0 | 1140.0 | 1141.0 |
| 7.5°  | 1163.6 | 1163.6 | 1162.6 | 1159.5 | 1161.6 | 1161.6 | 1160.5 | 1158.5 | 1156.4 | 1157.4 | 1156.4 |
| 10°   | 1195.4 | 1197.5 | 1191.3 | 1191.3 | 1188.2 | 1184.1 | 1181.0 | 1178.0 | 1176.9 | 1174.9 | 1170.8 |
| 12.5° | 1234.4 | 1233.4 | 1225.2 | 1222.1 | 1220.0 | 1211.8 | 1205.7 | 1202.6 | 1198.5 | 1193.4 | 1187.2 |
| 15°   | 1269.3 | 1265.2 | 1259.0 | 1256.0 | 1252.9 | 1243.6 | 1235.4 | 1228.2 | 1223.1 | 1215.9 | 1206.7 |
| 17.5° | 1292.9 | 1288.8 | 1285.7 | 1284.7 | 1284.7 | 1276.5 | 1269.3 | 1260.1 | 1248.8 | 1235.4 | 1220.0 |
| 20°   | 1298.0 | 1298.0 | 1299.0 | 1305.2 | 1311.4 | 1308.3 | 1300.1 | 1288.8 | 1272.4 | 1250.8 | 1227.2 |
| 22.5° | 1290.8 | 1294.9 | 1304.2 | 1319.6 | 1332.9 | 1333.9 | 1325.7 | 1309.3 | 1281.6 | 1250.8 | 1215.9 |
| 25°   | 1278.5 | 1289.8 | 1309.3 | 1330.9 | 1349.3 | 1349.3 | 1335.0 | 1311.4 | 1273.4 | 1229.3 | 1183.1 |
| 27.5° | 1272.4 | 1294.9 | 1322.6 | 1345.2 | 1357.5 | 1350.4 | 1324.7 | 1290.8 | 1238.5 | 1182.1 | 1128.7 |
| 30°   | 1279.6 | 1314.4 | 1344.2 | 1359.6 | 1361.6 | 1338.0 | 1293.9 | 1243.6 | 1182.1 | 1114.4 | 1060.0 |
| 32.5° | 1306.2 | 1348.3 | 1370.9 | 1374.0 | 1359.6 | 1315.5 | 1246.7 | 1176.9 | 1108.2 | 1045.6 | 990.2  |
| 35°   | 1360.6 | 1396.5 | 1404.7 | 1392.4 | 1356.5 | 1282.6 | 1184.1 | 1102.0 | 1040.5 | 981.0  | 923.5  |
| 37.5° | 1448.9 | 1465.3 | 1449.9 | 1414.0 | 1346.3 | 1242.6 | 1126.7 | 1046.6 | 981.0  | 922.5  | 858.9  |
| 40°   | 1574.0 | 1555.6 | 1511.5 | 1440.7 | 1335.0 | 1198.5 | 1081.5 | 1001.5 | 928.6  | 864.0  | 800.4  |
| 42.5° | 1730.0 | 1665.4 | 1574.0 | 1471.4 | 1322.6 | 1169.8 | 1048.7 | 956.3  | 876.3  | 804.5  | 737.8  |
| 45°   | 1904.5 | 1784.4 | 1660.2 | 1506.3 | 1318.5 | 1152.3 | 1009.7 | 900.9  | 807.5  | 735.7  | 670.0  |
| 47.5° | 2082.0 | 1910.6 | 1747.5 | 1544.3 | 1323.7 | 1121.5 | 950.2  | 828.1  | 730.6  | 660.8  | 599.2  |
| 50°   | 2261.5 | 2052.2 | 1849.0 | 1593.5 | 1320.6 | 1058.9 | 869.1  | 745.0  | 654.7  | 592.1  | 536.7  |
| 52.5° | 2442.1 | 2203.0 | 1953.7 | 1637.7 | 1279.6 | 960.4  | 779.8  | 674.2  | 586.9  | 526.4  | 472.0  |
| 55°   | 2619.6 | 2349.8 | 2056.3 | 1651.0 | 1160.5 | 856.8  | 704.9  | 603.4  | 517.2  | 455.6  | 396.1  |
| 57.5° | 2787.9 | 2482.1 | 2128.1 | 1573.0 | 1013.8 | 775.7  | 638.2  | 538.7  | 447.4  | 376.6  | 318.1  |
| 60°   | 2997.3 | 2608.4 | 2148.7 | 1384.2 | 896.8  | 708.0  | 577.7  | 463.8  | 361.2  | 286.3  | 232.9  |
| 62.5° | 3226.1 | 2779.7 | 2116.9 | 1203.6 | 828.1  | 648.5  | 502.8  | 375.6  | 276.0  | 203.2  | 163.2  |
| 65°   | 3394.4 | 2850.5 | 1955.8 | 1107.2 | 785.0  | 590.0  | 422.8  | 291.4  | 190.9  | 139.6  | 124.2  |
| 67.5° | 3618.0 | 2920.3 | 1789.5 | 1060.0 | 737.8  | 514.1  | 326.3  | 210.4  | 147.8  | 115.9  | 106.7  |
| 68°   | 3602.7 | 2900.8 | 1754.6 | 1047.7 | 723.4  | 487.4  | 307.8  | 206.2  | 143.7  | 112.9  | 103.6  |
| 70°   | 3394.4 | 2661.7 | 1523.8 | 928.6  | 599.2  | 379.7  | 264.7  | 187.8  | 132.4  | 102.6  | 94.4   |
| 72.5° | 2784.9 | 2064.5 | 1092.8 | 611.6  | 389.9  | 278.1  | 196.0  | 141.6  | 109.8  | 90.3   | 84.1   |
| 75°   | 1971.1 | 1290.8 | 547.9  | 352.0  | 245.2  | 161.1  | 110.8  | 91.3   | 81.1   | 71.8   | 71.8   |
| 77.5° | 1108.2 | 675.2  | 289.4  | 241.1  | 138.5  | 93.4   | 73.9   | 68.7   | 63.6   | 58.5   | 64.6   |
| 80°   | 361.2  | 352.0  | 213.4  | 165.2  | 96.5   | 68.7   | 57.5   | 54.4   | 51.3   | 46.2   | 57.5   |
| 82.5° | 195.0  | 241.1  | 153.9  | 118.0  | 70.8   | 49.3   | 43.1   | 44.1   | 40.0   | 35.9   | 43.1   |
| 85°   | 87.2   | 114.9  | 102.6  | 82.1   | 44.1   | 27.7   | 22.6   | 26.7   | 23.6   | 21.5   | 20.5   |
| 87.5° | 33.9   | 56.4   | 41.0   | 23.6   | 10.3   | 6.2    | 6.2    | 5.1    | 4.1    | 4.1    | 3.1    |
| 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):**

|       | 160°   | 165°   | 170°   | 175°   | 180°   |
|-------|--------|--------|--------|--------|--------|
| 0°    | 1123.6 | 1123.6 | 1123.6 | 1123.6 | 1123.6 |
| 2.5°  | 1123.6 | 1123.6 | 1122.6 | 1121.5 | 1119.5 |
| 5°    | 1138.0 | 1138.0 | 1136.9 | 1135.9 | 1133.8 |
| 7.5°  | 1153.3 | 1152.3 | 1151.3 | 1150.3 | 1148.2 |
| 10°   | 1169.8 | 1167.7 | 1167.7 | 1168.7 | 1167.7 |
| 12.5° | 1186.2 | 1183.1 | 1180.0 | 1179.0 | 1182.1 |
| 15°   | 1202.6 | 1196.4 | 1191.3 | 1190.3 | 1190.3 |
| 17.5° | 1211.8 | 1201.6 | 1192.3 | 1189.3 | 1189.3 |
| 20°   | 1209.8 | 1191.3 | 1179.0 | 1172.8 | 1173.9 |
| 22.5° | 1190.3 | 1164.6 | 1148.2 | 1140.0 | 1136.9 |
| 25°   | 1149.2 | 1118.5 | 1097.9 | 1086.6 | 1087.7 |
| 27.5° | 1087.7 | 1054.8 | 1032.3 | 1026.1 | 1019.9 |
| 30°   | 1014.8 | 982.0  | 959.4  | 946.1  | 947.1  |
| 32.5° | 943.0  | 907.1  | 886.6  | 871.2  | 869.1  |
| 35°   | 874.2  | 835.2  | 810.6  | 799.3  | 797.3  |
| 37.5° | 806.5  | 765.5  | 742.9  | 732.6  | 725.5  |
| 40°   | 743.9  | 707.0  | 680.3  | 664.9  | 661.8  |
| 42.5° | 682.4  | 640.3  | 613.6  | 602.3  | 599.2  |
| 45°   | 612.6  | 572.6  | 549.0  | 539.7  | 537.7  |
| 47.5° | 550.0  | 512.0  | 492.5  | 480.2  | 476.1  |
| 50°   | 489.5  | 453.5  | 431.0  | 419.7  | 417.6  |
| 52.5° | 425.8  | 389.9  | 366.3  | 357.1  | 348.9  |
| 55°   | 356.1  | 318.1  | 294.5  | 278.1  | 271.9  |
| 57.5° | 275.0  | 241.1  | 216.5  | 205.2  | 193.9  |
| 60°   | 197.0  | 167.3  | 147.8  | 138.5  | 130.3  |
| 62.5° | 139.6  | 120.1  | 107.7  | 98.5   | 93.4   |
| 65°   | 114.9  | 105.7  | 92.3   | 84.1   | 80.0   |
| 67.5° | 101.6  | 92.3   | 82.1   | 74.9   | 71.8   |
| 68°   | 99.5   | 90.3   | 80.0   | 72.9   | 70.8   |
| 70°   | 91.3   | 82.1   | 72.9   | 67.7   | 65.7   |
| 72.5° | 81.1   | 73.9   | 65.7   | 60.5   | 58.5   |
| 75°   | 69.8   | 62.6   | 57.5   | 53.4   | 50.3   |
| 77.5° | 61.6   | 51.3   | 49.3   | 45.1   | 43.1   |
| 80°   | 51.3   | 46.2   | 42.1   | 39.0   | 36.9   |
| 82.5° | 42.1   | 34.9   | 29.8   | 26.7   | 25.7   |
| 85°   | 23.6   | 21.5   | 17.4   | 13.3   | 12.3   |
| 87.5° | 2.1    | 1.0    | 1.0    | 0.0    | 0.0    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)