

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: P139592

Luminaire Tested: **ENT-E02-LED-E1-BL3-7060**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P139592  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33645)  
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-BL3-7060  
Description: ENTRI LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ SPILL LIGHT CONTROL  
Light Source: (42) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5545.9 lumens  
Efficiency: N/A  
Efficacy: 118.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.33' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G2

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

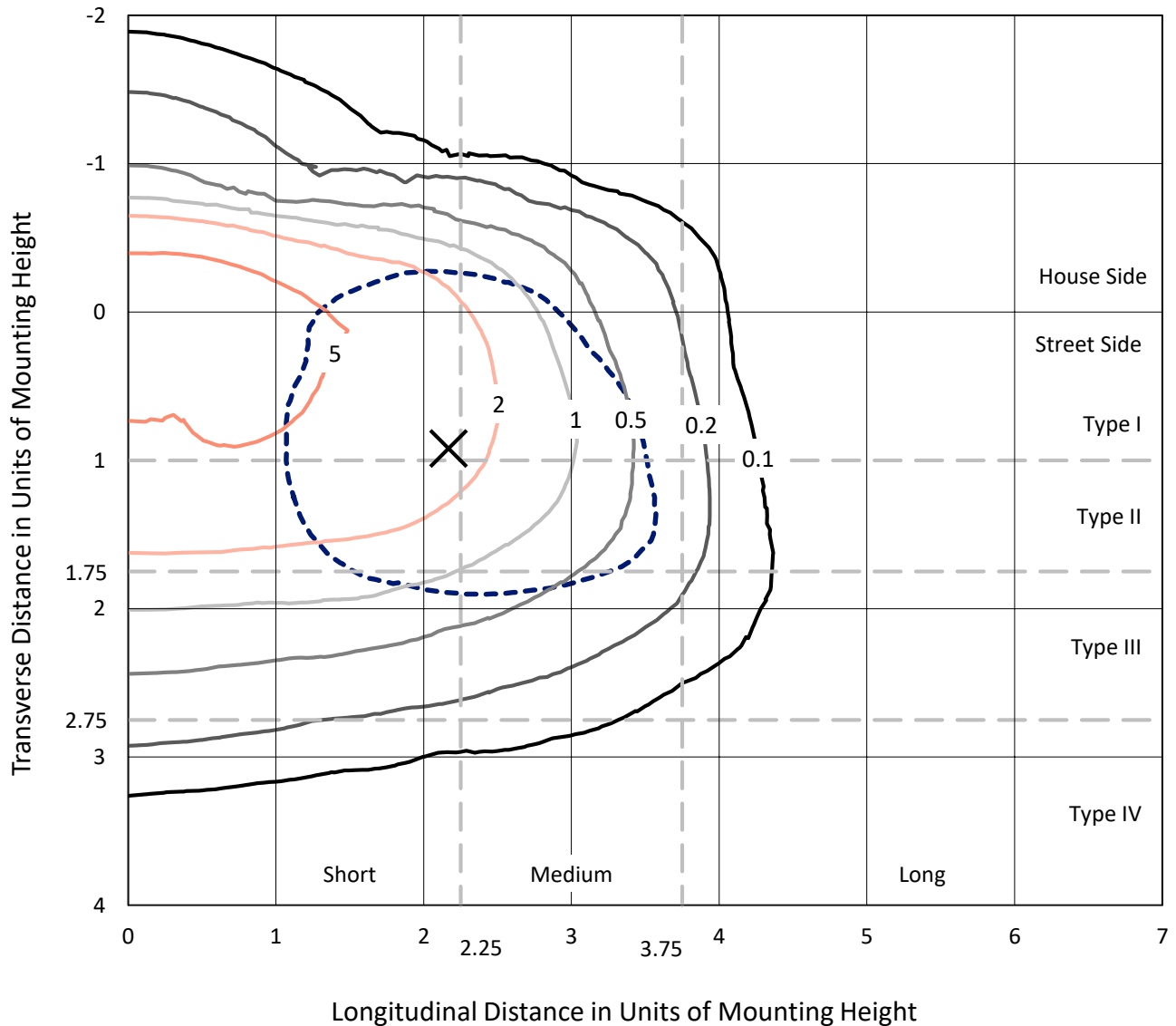


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### Iso-Footcandle Lines of Horizontal Illumination

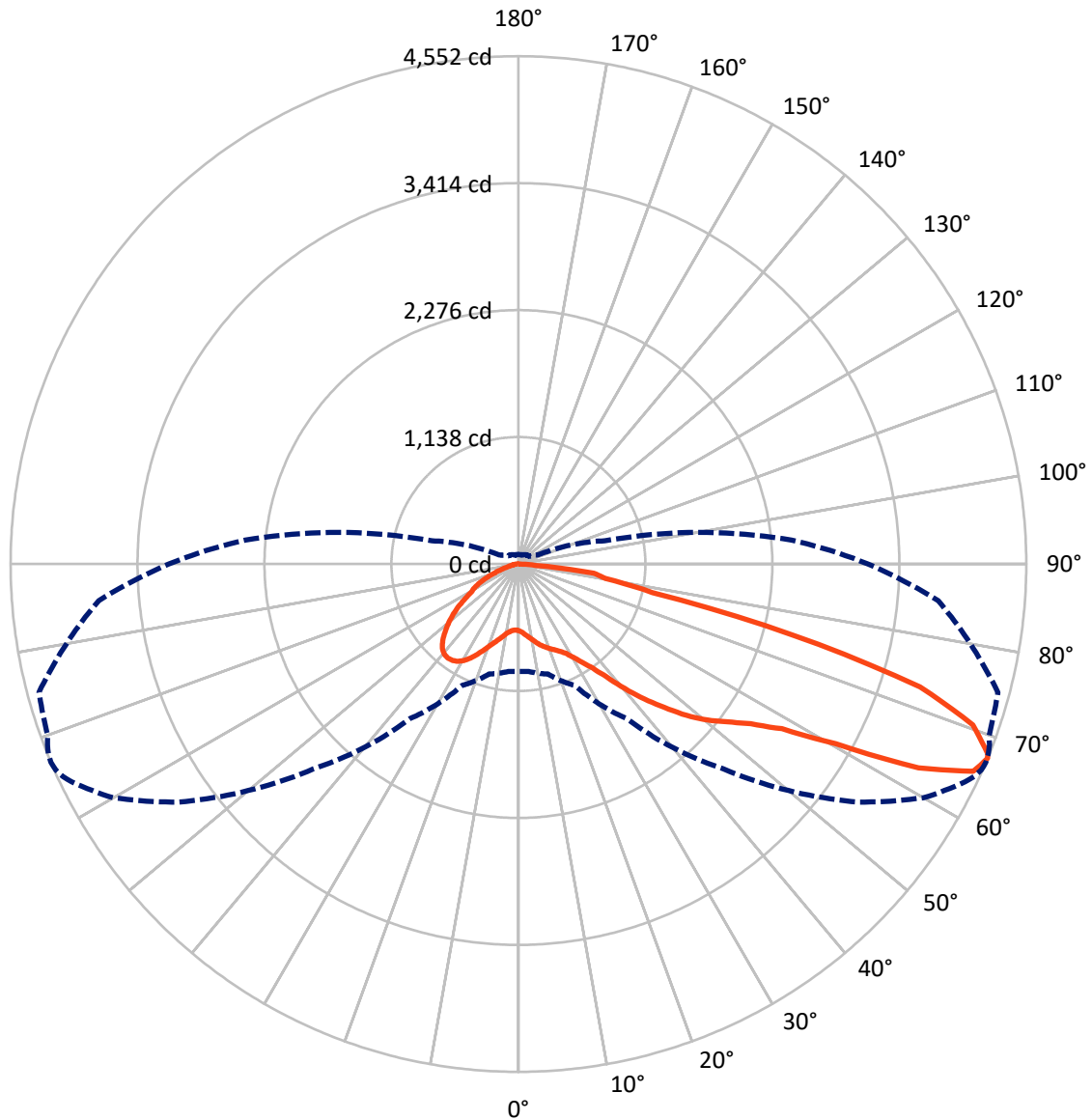
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc  
 Type III - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67-Deg Vertical

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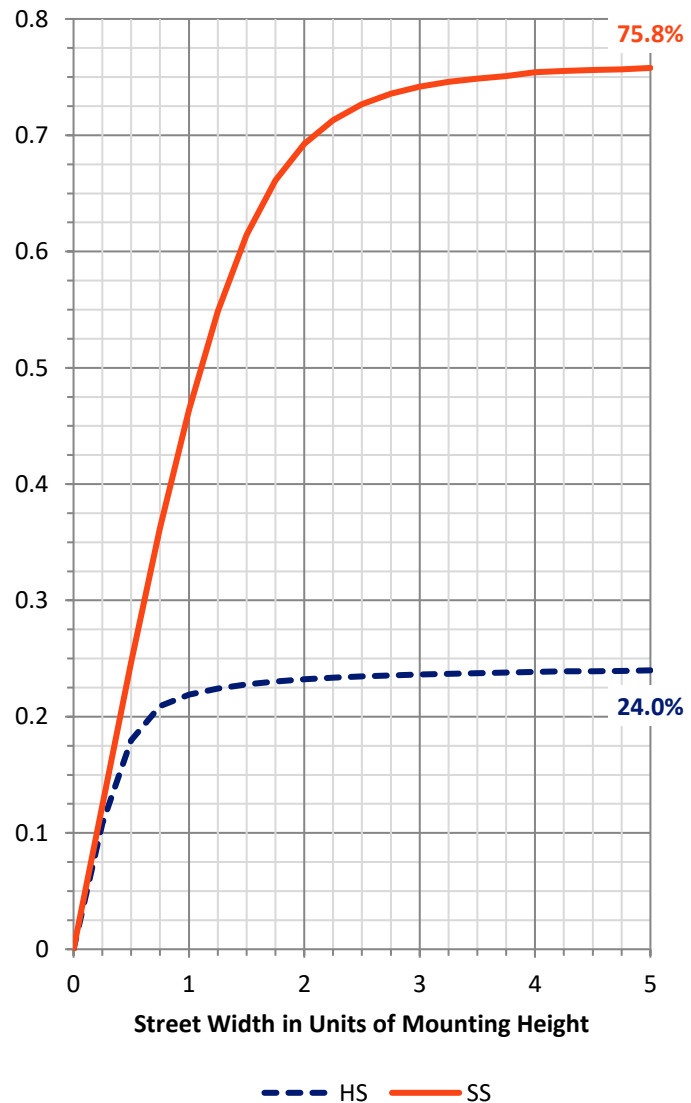
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1346.5   | 0.0    | 1346.5 |
|                    | % Fixture | 24.3     | 0.0    | 24.3   |
| <b>Street Side</b> | Lumens    | 4199.3   | 0.0    | 4199.3 |
|                    | % Fixture | 75.7     | 0.0    | 75.7   |
| <b>Total</b>       | Lumens    | 5545.9   | 0.0    | 5545.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 60.2   | 1.1       |
| 10°-20°   | 208.2  | 3.8       |
| 20°-30°   | 377.4  | 6.8       |
| 30°-40°   | 551.7  | 9.9       |
| 40°-50°   | 835.8  | 15.1      |
| 50°-60°   | 1198.7 | 21.6      |
| 60°-70°   | 1531.8 | 27.6      |
| 70°-80°   | 715.1  | 12.9      |
| 80°-90°   | 67.0   | 1.2       |
| 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°    | 5545.9 | 100.0     |
| 0°-180°   | 5545.9 | 100.0     |



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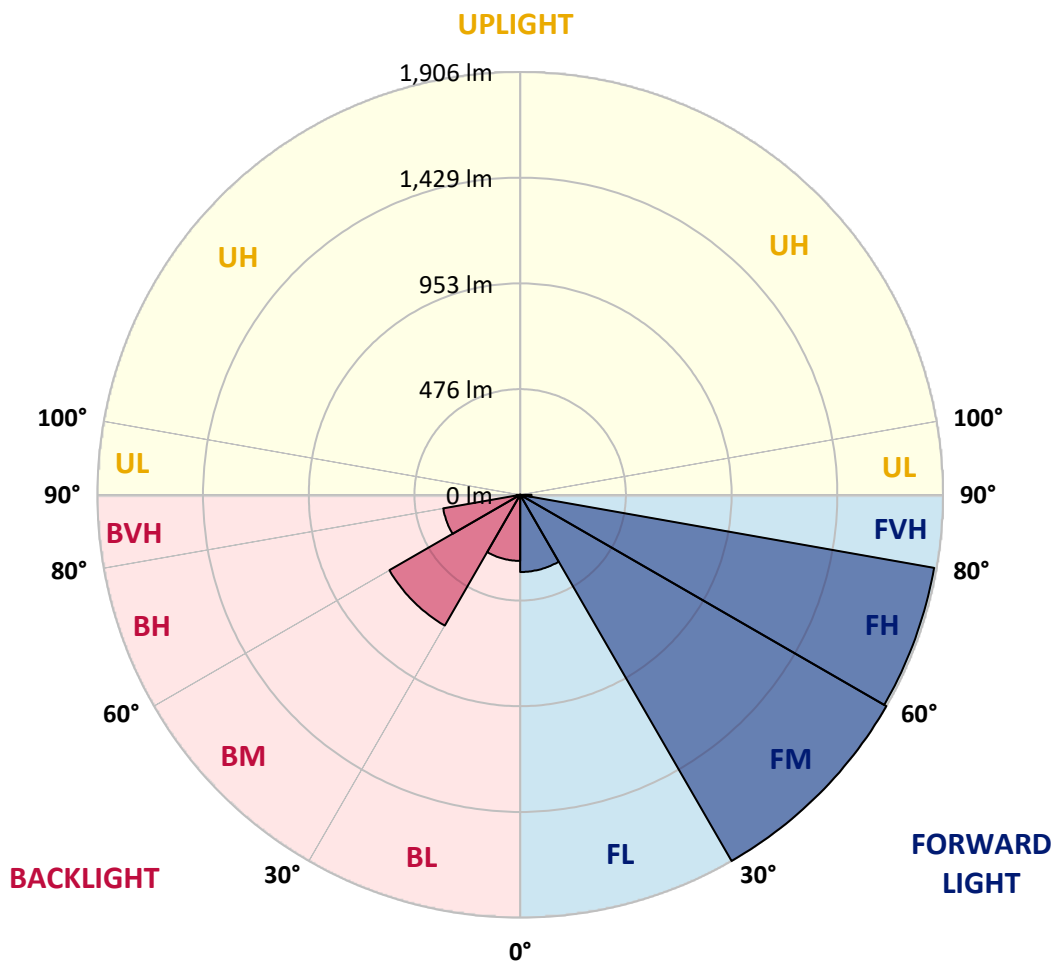
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 347.9  | 6.3       |                         |      |         |
| FM   | (30°-60°)   | 1906.0 | 34.4      |                         |      |         |
| FH   | (60°-80°)   | 1894.7 | 34.2      |                         |      | G2/5000 |
| FVH  | (80°-90°)   | 50.8   | 0.9       |                         |      | G1/100  |
| BL   | (0°-30°)    | 297.9  | 5.4       | B1/500                  |      |         |
| BM   | (30°-60°)   | 680.2  | 12.3      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 352.3  | 6.4       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 16.1   | 0.3       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G2**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 60°    | 61°    | 62°    | 64°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  |
| 2.5°  | 620.8  | 620.8  | 621.8  | 621.8  | 620.8  | 620.8  | 614.6  | 614.6  | 614.6  | 613.6  | 613.6  |
| 5°    | 654.7  | 655.7  | 655.7  | 654.7  | 652.6  | 648.5  | 640.3  | 640.3  | 640.3  | 639.3  | 637.2  |
| 7.5°  | 693.6  | 692.6  | 693.6  | 690.6  | 686.5  | 681.3  | 670.0  | 669.0  | 667.0  | 667.0  | 664.9  |
| 10°   | 736.7  | 733.7  | 736.7  | 732.6  | 724.4  | 715.2  | 701.9  | 697.8  | 697.8  | 697.8  | 693.6  |
| 12.5° | 780.9  | 779.8  | 781.9  | 774.7  | 760.3  | 750.1  | 736.7  | 731.6  | 730.6  | 730.6  | 728.5  |
| 15°   | 829.1  | 828.1  | 821.9  | 810.6  | 792.2  | 782.9  | 767.5  | 761.4  | 760.3  | 760.3  | 757.3  |
| 17.5° | 879.4  | 879.4  | 864.0  | 840.4  | 814.7  | 801.4  | 790.1  | 786.0  | 785.0  | 785.0  | 783.9  |
| 20°   | 922.5  | 922.5  | 901.9  | 863.0  | 826.0  | 811.6  | 807.5  | 807.5  | 807.5  | 807.5  | 808.6  |
| 22.5° | 954.3  | 951.2  | 923.5  | 875.3  | 830.1  | 817.8  | 828.1  | 829.1  | 829.1  | 831.1  | 832.2  |
| 25°   | 968.6  | 967.6  | 934.8  | 877.3  | 829.1  | 827.0  | 849.6  | 852.7  | 854.7  | 856.8  | 859.9  |
| 27.5° | 969.7  | 969.7  | 936.8  | 876.3  | 828.1  | 843.5  | 876.3  | 885.5  | 887.6  | 891.7  | 896.8  |
| 30°   | 959.4  | 960.4  | 932.7  | 875.3  | 835.2  | 874.2  | 918.4  | 935.8  | 939.9  | 946.1  | 954.3  |
| 32.5° | 947.1  | 949.1  | 932.7  | 885.5  | 867.1  | 927.6  | 986.1  | 1010.7 | 1014.8 | 1023.0 | 1031.2 |
| 35°   | 949.1  | 952.2  | 955.3  | 926.6  | 937.9  | 1018.9 | 1103.1 | 1117.4 | 1116.4 | 1129.7 | 1133.8 |
| 37.5° | 962.5  | 969.7  | 992.2  | 997.4  | 1040.5 | 1153.3 | 1241.6 | 1272.4 | 1272.4 | 1284.7 | 1280.6 |
| 40°   | 964.5  | 975.8  | 1032.3 | 1091.8 | 1176.9 | 1315.5 | 1436.5 | 1472.5 | 1472.5 | 1477.6 | 1475.5 |
| 42.5° | 1012.8 | 1023.0 | 1104.1 | 1209.8 | 1330.9 | 1494.0 | 1627.4 | 1659.2 | 1666.4 | 1661.3 | 1665.4 |
| 45°   | 1100.0 | 1107.2 | 1206.7 | 1340.1 | 1479.6 | 1665.4 | 1814.2 | 1844.9 | 1852.1 | 1847.0 | 1840.8 |
| 47.5° | 1210.8 | 1221.1 | 1326.8 | 1484.8 | 1628.4 | 1823.4 | 2005.0 | 2040.9 | 2048.1 | 2039.9 | 2043.0 |
| 50°   | 1303.2 | 1322.6 | 1435.5 | 1622.3 | 1772.1 | 1958.8 | 2152.8 | 2202.0 | 2208.2 | 2208.2 | 2210.2 |
| 52.5° | 1387.3 | 1404.7 | 1513.5 | 1721.8 | 1888.0 | 2080.9 | 2262.6 | 2326.2 | 2333.4 | 2338.5 | 2342.6 |
| 55°   | 1422.2 | 1439.6 | 1548.4 | 1764.9 | 1958.8 | 2194.8 | 2389.8 | 2475.0 | 2479.1 | 2492.4 | 2509.9 |
| 57.5° | 1423.2 | 1437.6 | 1544.3 | 1763.9 | 1995.8 | 2297.5 | 2563.2 | 2695.6 | 2712.0 | 2729.4 | 2759.2 |
| 60°   | 1326.8 | 1344.2 | 1450.9 | 1712.6 | 2026.6 | 2412.4 | 2825.9 | 3069.1 | 3092.7 | 3143.0 | 3208.6 |
| 62.5° | 1181.0 | 1193.4 | 1285.7 | 1543.3 | 2026.6 | 2571.4 | 3248.6 | 3650.9 | 3729.9 | 3812.0 | 3933.1 |
| 65°   | 1045.6 | 1054.8 | 1113.3 | 1336.0 | 1882.9 | 2700.7 | 3690.9 | 4153.7 | 4238.8 | 4300.4 | 4403.0 |
| 67°   | 961.5  | 965.6  | 1021.0 | 1202.6 | 1690.0 | 2597.1 | 3720.7 | 4188.6 | 4261.4 | 4325.0 | 4454.3 |
| 67.5° | 932.7  | 935.8  | 988.1  | 1168.7 | 1630.5 | 2534.5 | 3675.5 | 4159.8 | 4238.8 | 4303.5 | 4434.8 |
| 70°   | 717.2  | 708.0  | 753.2  | 919.4  | 1317.5 | 2022.5 | 3227.1 | 3785.3 | 3875.6 | 3961.8 | 4120.8 |
| 72.5° | 427.9  | 414.5  | 443.3  | 533.6  | 853.7  | 1421.2 | 2447.3 | 3106.0 | 3220.9 | 3328.7 | 3537.0 |
| 75°   | 257.6  | 258.6  | 280.1  | 342.7  | 465.9  | 893.7  | 1581.2 | 2021.4 | 2129.2 | 2230.8 | 2394.9 |
| 77.5° | 128.3  | 127.2  | 146.7  | 199.1  | 339.6  | 555.1  | 918.4  | 1165.7 | 1201.6 | 1249.8 | 1230.3 |
| 80°   | 41.0   | 40.0   | 43.1   | 54.4   | 122.1  | 372.5  | 577.7  | 731.6  | 748.0  | 757.3  | 768.6  |
| 82.5° | 6.2    | 7.2    | 8.2    | 13.3   | 22.6   | 89.3   | 359.1  | 508.9  | 531.5  | 558.2  | 609.5  |
| 85°   | 0.0    | 0.0    | 1.0    | 1.0    | 3.1    | 7.2    | 33.9   | 87.2   | 91.3   | 110.8  | 130.3  |
| 87.5° | 0.0    | 0.0    | 0.0    | 1.0    | 2.1    | 3.1    | 5.1    | 5.1    | 5.1    | 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):**

|       | 65°    | 66°    | 67°    | 68°    | 69°    | 70°    | 75°    | 85°    | 90°    | 95°    | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  | 597.2  |
| 2.5°  | 612.6  | 612.6  | 611.6  | 610.5  | 610.5  | 610.5  | 608.5  | 607.5  | 601.3  | 599.2  | 595.1  |
| 5°    | 637.2  | 637.2  | 635.2  | 634.1  | 633.1  | 633.1  | 630.0  | 623.9  | 615.7  | 610.5  | 602.3  |
| 7.5°  | 663.9  | 662.9  | 660.8  | 660.8  | 656.7  | 656.7  | 652.6  | 641.3  | 633.1  | 625.9  | 615.7  |
| 10°   | 694.7  | 693.6  | 690.6  | 689.5  | 687.5  | 685.4  | 681.3  | 668.0  | 659.8  | 650.6  | 638.2  |
| 12.5° | 728.5  | 726.5  | 724.4  | 723.4  | 721.4  | 719.3  | 715.2  | 702.9  | 694.7  | 685.4  | 671.1  |
| 15°   | 758.3  | 757.3  | 755.2  | 754.2  | 754.2  | 752.1  | 749.1  | 737.8  | 729.6  | 719.3  | 708.0  |
| 17.5° | 785.0  | 783.9  | 782.9  | 782.9  | 781.9  | 781.9  | 780.9  | 770.6  | 765.5  | 757.3  | 746.0  |
| 20°   | 807.5  | 808.6  | 808.6  | 808.6  | 809.6  | 810.6  | 812.7  | 807.5  | 802.4  | 795.2  | 789.1  |
| 22.5° | 832.2  | 833.2  | 836.3  | 836.3  | 838.3  | 839.4  | 846.5  | 845.5  | 843.5  | 838.3  | 833.2  |
| 25°   | 861.9  | 864.0  | 866.0  | 869.1  | 870.1  | 873.2  | 885.5  | 890.7  | 886.6  | 883.5  | 888.6  |
| 27.5° | 900.9  | 905.0  | 907.1  | 911.2  | 913.2  | 917.3  | 935.8  | 947.1  | 944.0  | 945.0  | 956.3  |
| 30°   | 959.4  | 963.5  | 969.7  | 971.7  | 978.9  | 981.0  | 1002.5 | 1019.9 | 1019.9 | 1017.9 | 1038.4 |
| 32.5° | 1037.4 | 1040.5 | 1047.7 | 1052.8 | 1056.9 | 1061.0 | 1081.5 | 1100.0 | 1102.0 | 1108.2 | 1116.4 |
| 35°   | 1140.0 | 1142.1 | 1146.2 | 1154.4 | 1153.3 | 1155.4 | 1166.7 | 1185.2 | 1195.4 | 1209.8 | 1185.2 |
| 37.5° | 1275.4 | 1282.6 | 1280.6 | 1281.6 | 1273.4 | 1278.5 | 1282.6 | 1302.1 | 1323.7 | 1338.0 | 1242.6 |
| 40°   | 1468.4 | 1473.5 | 1468.4 | 1461.2 | 1455.0 | 1451.9 | 1445.8 | 1467.3 | 1485.8 | 1475.5 | 1287.8 |
| 42.5° | 1656.1 | 1658.2 | 1654.1 | 1641.8 | 1636.6 | 1626.4 | 1610.0 | 1636.6 | 1646.9 | 1598.7 | 1311.4 |
| 45°   | 1841.9 | 1838.8 | 1831.6 | 1829.5 | 1819.3 | 1809.0 | 1799.8 | 1817.2 | 1813.1 | 1718.7 | 1321.6 |
| 47.5° | 2036.8 | 2033.7 | 2028.6 | 2020.4 | 2009.1 | 2007.1 | 1998.9 | 1996.8 | 1967.0 | 1821.3 | 1316.5 |
| 50°   | 2207.2 | 2209.2 | 2197.9 | 2202.0 | 2196.9 | 2186.6 | 2179.4 | 2183.6 | 2112.8 | 1911.6 | 1306.2 |
| 52.5° | 2353.9 | 2353.9 | 2348.8 | 2353.9 | 2351.8 | 2346.7 | 2352.9 | 2419.6 | 2272.8 | 2038.9 | 1290.8 |
| 55°   | 2524.2 | 2530.4 | 2526.3 | 2531.4 | 2534.5 | 2545.8 | 2571.4 | 2727.4 | 2511.9 | 2194.8 | 1256.0 |
| 57.5° | 2773.6 | 2789.0 | 2784.9 | 2805.4 | 2823.8 | 2853.6 | 2947.0 | 3111.2 | 2808.5 | 2366.2 | 1187.2 |
| 60°   | 3220.9 | 3271.2 | 3269.2 | 3305.1 | 3342.0 | 3375.9 | 3539.0 | 3570.8 | 3144.0 | 2589.9 | 1135.9 |
| 62.5° | 3965.9 | 4006.9 | 4024.4 | 4063.4 | 4087.0 | 4093.1 | 4224.5 | 3991.6 | 3443.6 | 2793.1 | 1107.2 |
| 65°   | 4448.2 | 4464.6 | 4480.0 | 4474.8 | 4460.5 | 4436.9 | 4445.1 | 3952.6 | 3344.1 | 2662.7 | 950.2  |
| 67°   | 4505.6 | 4539.5 | 4551.8 | 4543.6 | 4522.0 | 4489.2 | 4449.2 | 3776.1 | 3132.7 | 2459.6 | 803.4  |
| 67.5° | 4489.2 | 4524.1 | 4535.4 | 4528.2 | 4509.7 | 4485.1 | 4437.9 | 3709.4 | 3060.9 | 2393.9 | 765.5  |
| 70°   | 4225.5 | 4275.8 | 4322.0 | 4337.3 | 4338.4 | 4334.3 | 4287.1 | 3238.4 | 2605.3 | 2010.1 | 580.8  |
| 72.5° | 3602.7 | 3667.3 | 3763.8 | 3733.0 | 3782.2 | 3750.4 | 3642.7 | 2213.3 | 1785.4 | 1436.5 | 407.4  |
| 75°   | 2430.8 | 2459.6 | 2537.6 | 2448.3 | 2456.5 | 2400.1 | 1981.4 | 1285.7 | 1107.2 | 934.8  | 245.2  |
| 77.5° | 1223.1 | 1241.6 | 1229.3 | 1175.9 | 1155.4 | 1109.2 | 857.8  | 279.1  | 279.1  | 332.5  | 128.3  |
| 80°   | 775.7  | 782.9  | 791.1  | 803.4  | 818.8  | 820.9  | 595.1  | 82.1   | 73.9   | 77.0   | 69.8   |
| 82.5° | 636.2  | 655.7  | 681.3  | 686.5  | 692.6  | 697.8  | 410.4  | 45.1   | 36.9   | 41.0   | 49.3   |
| 85°   | 147.8  | 160.1  | 152.9  | 135.4  | 144.7  | 111.8  | 57.5   | 18.5   | 16.4   | 20.5   | 33.9   |
| 87.5° | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 5.1    | 4.1    | 7.2    | 17.4   |
| 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):**

|       | 115°   | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 597.2  | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 | 597.2 |
| 2.5°  | 591.0  | 588.0 | 583.9 | 582.8 | 581.8 | 579.7 | 578.7 | 577.7 |
| 5°    | 594.1  | 588.0 | 581.8 | 577.7 | 575.6 | 573.6 | 571.5 | 571.5 |
| 7.5°  | 606.4  | 599.2 | 590.0 | 585.9 | 581.8 | 578.7 | 576.7 | 576.7 |
| 10°   | 627.0  | 618.7 | 607.5 | 602.3 | 597.2 | 594.1 | 592.1 | 590.0 |
| 12.5° | 657.7  | 647.5 | 634.1 | 625.9 | 620.8 | 619.8 | 617.7 | 616.7 |
| 15°   | 695.7  | 684.4 | 670.0 | 661.8 | 653.6 | 651.6 | 649.5 | 648.5 |
| 17.5° | 733.7  | 724.4 | 713.1 | 698.8 | 682.4 | 669.0 | 662.9 | 661.8 |
| 20°   | 776.8  | 772.7 | 755.2 | 723.4 | 687.5 | 659.8 | 648.5 | 648.5 |
| 22.5° | 831.1  | 819.9 | 777.8 | 721.4 | 668.0 | 629.0 | 613.6 | 613.6 |
| 25°   | 890.7  | 852.7 | 774.7 | 698.8 | 633.1 | 584.9 | 564.4 | 564.4 |
| 27.5° | 943.0  | 861.9 | 756.2 | 660.8 | 580.8 | 528.4 | 504.8 | 503.8 |
| 30°   | 984.0  | 856.8 | 723.4 | 607.5 | 519.2 | 459.7 | 433.0 | 433.0 |
| 32.5° | 1006.6 | 839.4 | 678.3 | 544.9 | 444.3 | 376.6 | 343.7 | 344.8 |
| 35°   | 1012.8 | 809.6 | 618.7 | 461.7 | 354.0 | 287.3 | 257.6 | 257.6 |
| 37.5° | 1006.6 | 762.4 | 544.9 | 370.4 | 264.7 | 217.5 | 195.0 | 192.9 |
| 40°   | 986.1  | 691.6 | 446.4 | 270.9 | 197.0 | 169.3 | 160.1 | 158.0 |
| 42.5° | 945.0  | 606.4 | 335.5 | 193.9 | 158.0 | 146.7 | 144.7 | 143.7 |
| 45°   | 880.4  | 491.5 | 232.9 | 151.9 | 141.6 | 138.5 | 138.5 | 137.5 |
| 47.5° | 799.3  | 375.6 | 166.2 | 134.4 | 133.4 | 133.4 | 133.4 | 133.4 |
| 50°   | 709.0  | 265.8 | 135.4 | 127.2 | 126.2 | 128.3 | 129.3 | 129.3 |
| 52.5° | 615.7  | 185.7 | 124.2 | 122.1 | 120.1 | 123.1 | 124.2 | 124.2 |
| 55°   | 514.1  | 145.7 | 119.0 | 117.0 | 113.9 | 114.9 | 117.0 | 117.0 |
| 57.5° | 409.4  | 129.3 | 117.0 | 113.9 | 107.7 | 107.7 | 109.8 | 109.8 |
| 60°   | 325.3  | 124.2 | 115.9 | 108.8 | 100.6 | 100.6 | 102.6 | 103.6 |
| 62.5° | 271.9  | 123.1 | 115.9 | 103.6 | 97.5  | 94.4  | 96.5  | 96.5  |
| 65°   | 226.8  | 123.1 | 112.9 | 103.6 | 92.3  | 88.2  | 90.3  | 90.3  |
| 67°   | 189.8  | 121.1 | 110.8 | 103.6 | 90.3  | 85.2  | 85.2  | 85.2  |
| 67.5° | 179.6  | 120.1 | 111.8 | 103.6 | 89.3  | 84.1  | 83.1  | 83.1  |
| 70°   | 134.4  | 108.8 | 111.8 | 104.7 | 87.2  | 77.0  | 74.9  | 74.9  |
| 72.5° | 104.7  | 99.5  | 108.8 | 107.7 | 85.2  | 70.8  | 66.7  | 65.7  |
| 75°   | 85.2   | 90.3  | 109.8 | 104.7 | 80.0  | 64.6  | 58.5  | 57.5  |
| 77.5° | 72.9   | 77.0  | 92.3  | 84.1  | 66.7  | 57.5  | 51.3  | 50.3  |
| 80°   | 57.5   | 65.7  | 65.7  | 57.5  | 49.3  | 46.2  | 43.1  | 43.1  |
| 82.5° | 46.2   | 50.3  | 43.1  | 39.0  | 36.9  | 35.9  | 33.9  | 33.9  |
| 85°   | 38.0   | 41.0  | 31.8  | 28.7  | 27.7  | 26.7  | 24.6  | 24.6  |
| 87.5° | 29.8   | 25.7  | 16.4  | 15.4  | 15.4  | 14.4  | 14.4  | 15.4  |
| 90°   | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)