

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: P180283

Luminaire Tested: **ICM-F03-LED-E1-RW**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180283  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 03/03/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: INVUE  
Catalog Number: ICM-F03-LED-E1-RW  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7196.9 lumens  
Efficiency: N/A  
Efficacy: 91.9 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3

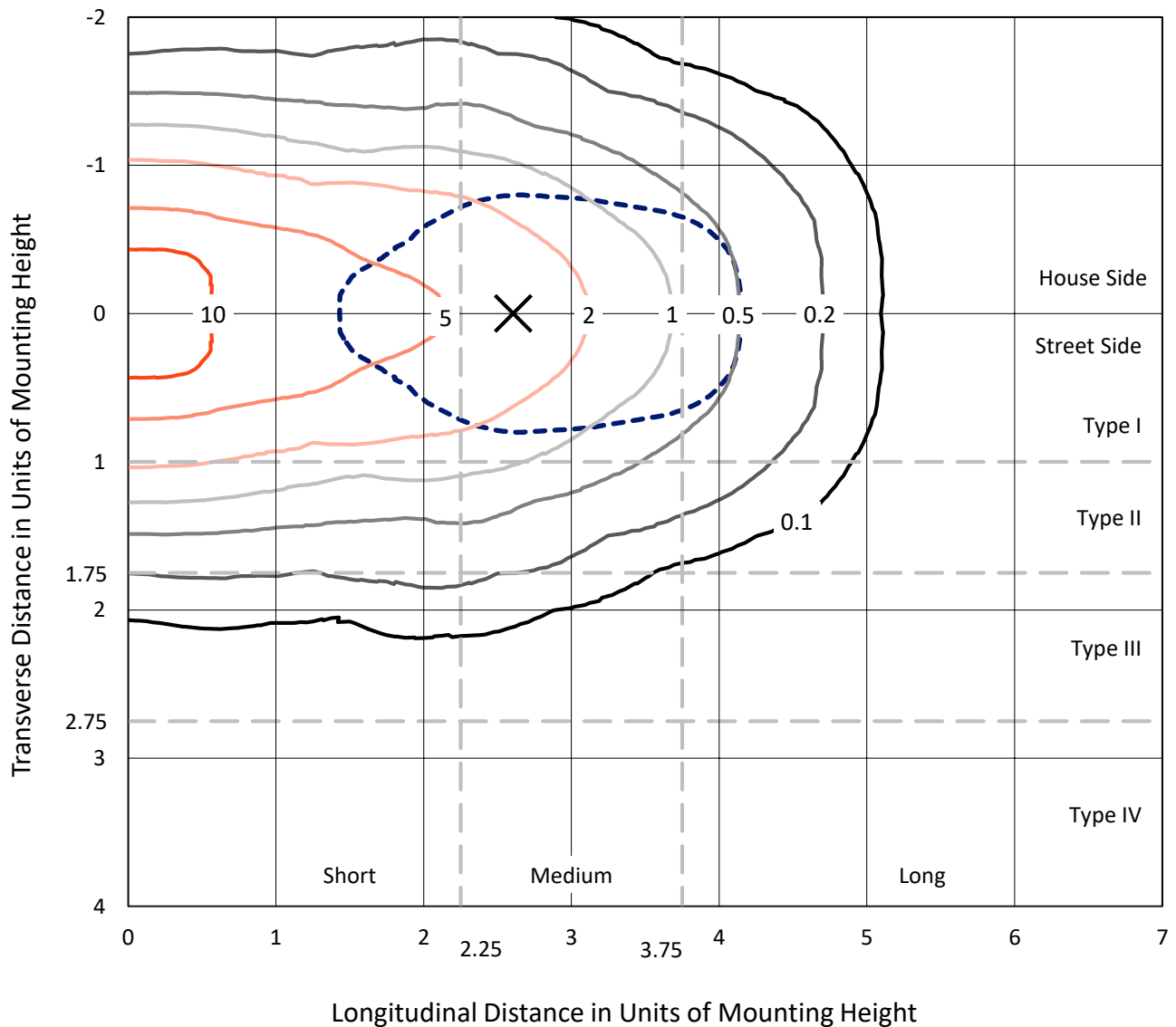
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Iso-Footcandle Lines of Horizontal Illumination

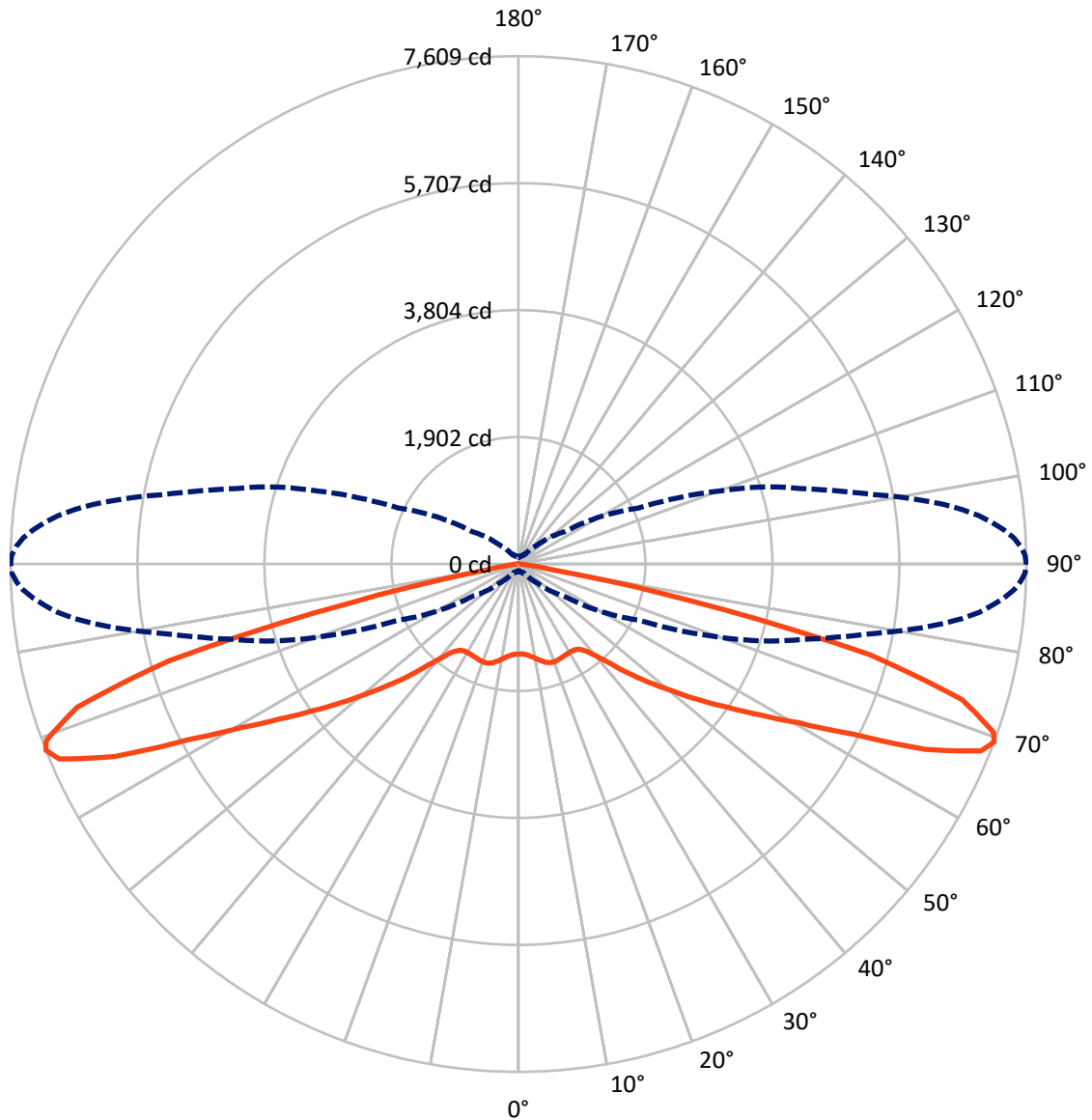
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.8 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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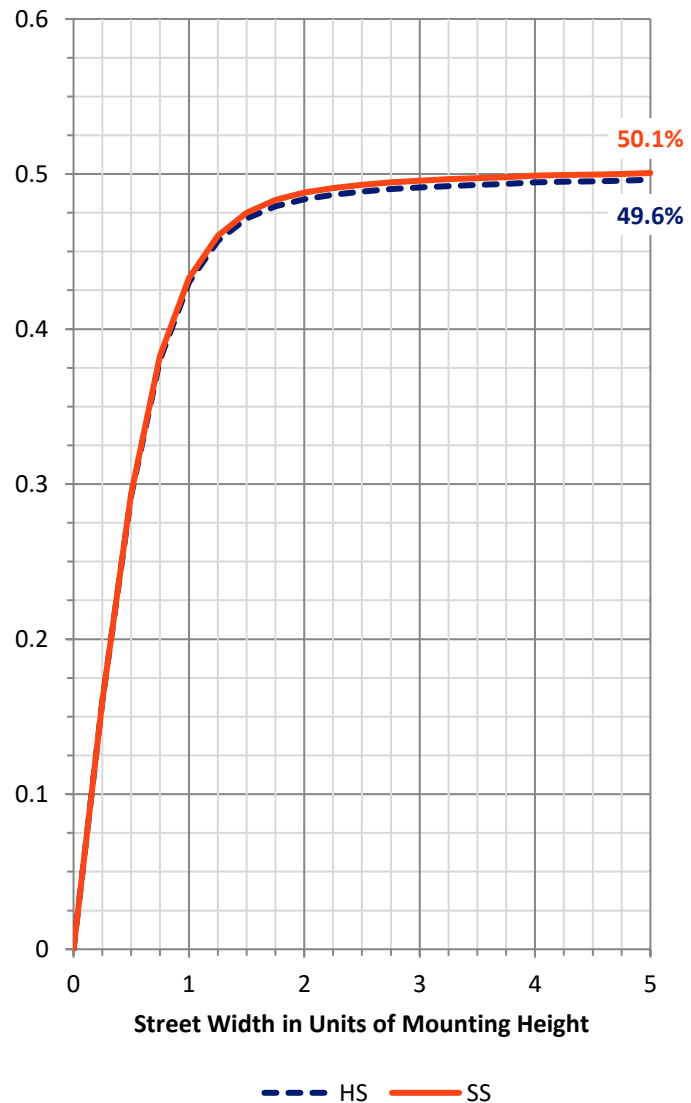
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 3598.5   | 0.0    | 3598.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3598.5   | 0.0    | 3598.5 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7196.9   | 0.0    | 7196.9 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 132.3  | 1.8       |
| 10°-20°   | 417.3  | 5.8       |
| 20°-30°   | 676.0  | 9.4       |
| 30°-40°   | 842.5  | 11.7      |
| 40°-50°   | 1052.8 | 14.6      |
| 50°-60°   | 1300.0 | 18.1      |
| 60°-70°   | 1615.3 | 22.4      |
| 70°-80°   | 1072.3 | 14.9      |
| 80°-90°   | 88.5   | 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°    | 7196.9 | 100.0     |
| 0°-180°   | 7196.9 | 100.0     |



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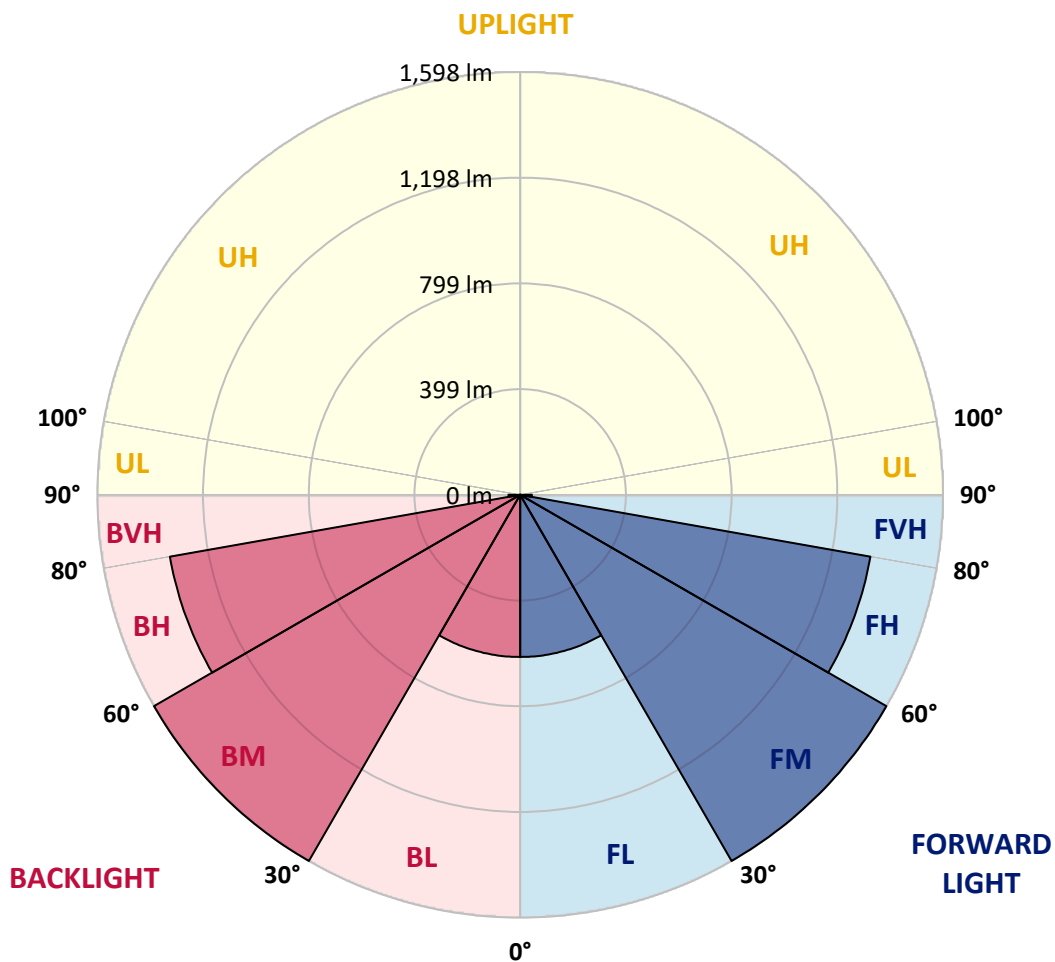
CATALOG NUMBER: ICM-F03-LED-E1-RW

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 612.8  | 8.5       |                         |      |         |
| FM (30°-60°)   | 1597.6 | 22.2      |                         |      |         |
| FH (60°-80°)   | 1343.8 | 18.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 44.3   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 612.8  | 8.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 1597.6 | 22.2      | B2/2500                 |      |         |
| BH (60°-80°)   | 1343.8 | 18.7      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 44.3   | 0.6       |                         |      | 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°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 70°    | 71°    | 72°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 |
| 2.5°  | 1354.6 | 1355.7 | 1355.0 | 1356.5 | 1356.1 | 1356.2 | 1355.5 | 1353.9 | 1352.9 | 1352.3 | 1352.4 |
| 5°    | 1367.6 | 1366.1 | 1368.4 | 1370.8 | 1370.1 | 1370.3 | 1370.1 | 1370.1 | 1369.2 | 1369.1 | 1369.1 |
| 7.5°  | 1381.5 | 1381.1 | 1382.7 | 1388.8 | 1389.6 | 1391.8 | 1394.5 | 1396.5 | 1396.8 | 1397.3 | 1396.8 |
| 10°   | 1393.4 | 1393.8 | 1397.7 | 1406.5 | 1411.1 | 1418.4 | 1425.7 | 1431.5 | 1433.6 | 1434.9 | 1434.7 |
| 12.5° | 1403.0 | 1403.4 | 1409.1 | 1423.0 | 1434.1 | 1447.9 | 1463.6 | 1472.6 | 1476.4 | 1477.0 | 1477.8 |
| 15°   | 1403.7 | 1404.9 | 1414.9 | 1437.6 | 1459.8 | 1482.5 | 1501.3 | 1513.2 | 1516.3 | 1518.3 | 1518.5 |
| 17.5° | 1393.8 | 1394.6 | 1411.5 | 1444.8 | 1482.1 | 1517.4 | 1537.0 | 1542.3 | 1543.5 | 1544.4 | 1543.9 |
| 20°   | 1367.6 | 1369.6 | 1393.4 | 1443.0 | 1499.7 | 1545.9 | 1566.1 | 1558.9 | 1555.3 | 1554.9 | 1554.4 |
| 22.5° | 1325.4 | 1325.0 | 1356.1 | 1423.0 | 1503.2 | 1568.2 | 1586.1 | 1566.9 | 1555.6 | 1553.3 | 1551.7 |
| 25°   | 1257.1 | 1261.8 | 1298.2 | 1378.1 | 1483.6 | 1573.0 | 1600.4 | 1571.2 | 1554.9 | 1551.2 | 1546.8 |
| 27.5° | 1183.1 | 1185.7 | 1224.5 | 1310.1 | 1438.0 | 1555.8 | 1607.3 | 1579.6 | 1561.4 | 1556.3 | 1551.2 |
| 30°   | 1096.6 | 1100.1 | 1141.6 | 1231.1 | 1364.7 | 1511.3 | 1605.4 | 1598.9 | 1577.5 | 1571.4 | 1564.9 |
| 32.5° | 1012.2 | 1016.0 | 1053.2 | 1151.2 | 1287.4 | 1450.2 | 1593.9 | 1626.1 | 1604.2 | 1597.4 | 1590.7 |
| 35°   | 924.6  | 930.3  | 975.6  | 1074.8 | 1213.0 | 1382.3 | 1576.2 | 1661.0 | 1648.9 | 1643.0 | 1637.0 |
| 37.5° | 852.1  | 853.2  | 896.9  | 1001.0 | 1143.8 | 1317.4 | 1552.8 | 1705.2 | 1714.1 | 1714.1 | 1714.8 |
| 40°   | 771.0  | 778.2  | 822.1  | 931.9  | 1081.3 | 1262.5 | 1530.5 | 1765.0 | 1811.0 | 1819.4 | 1825.9 |
| 42.5° | 698.4  | 699.2  | 743.7  | 857.0  | 1013.3 | 1218.3 | 1518.2 | 1837.2 | 1935.4 | 1953.3 | 1971.3 |
| 45°   | 622.1  | 625.0  | 665.5  | 774.9  | 934.9  | 1166.1 | 1517.8 | 1920.6 | 2077.2 | 2107.4 | 2135.2 |
| 47.5° | 549.8  | 551.0  | 593.7  | 695.4  | 845.1  | 1093.2 | 1515.2 | 2010.1 | 2223.4 | 2267.7 | 2304.0 |
| 50°   | 480.7  | 479.6  | 521.4  | 619.4  | 756.5  | 997.6  | 1491.7 | 2111.5 | 2380.9 | 2431.3 | 2476.0 |
| 52.5° | 401.7  | 407.1  | 450.4  | 544.1  | 675.7  | 900.4  | 1423.4 | 2222.3 | 2544.6 | 2603.0 | 2659.1 |
| 55°   | 324.1  | 326.3  | 372.8  | 460.4  | 594.1  | 809.8  | 1304.4 | 2324.5 | 2704.2 | 2770.5 | 2832.9 |
| 57.5° | 238.8  | 245.8  | 286.4  | 372.8  | 511.1  | 733.4  | 1153.1 | 2377.5 | 2839.6 | 2916.0 | 2990.2 |
| 60°   | 168.6  | 174.0  | 210.0  | 282.6  | 420.1  | 653.1  | 1022.9 | 2347.9 | 2948.5 | 3046.1 | 3135.3 |
| 62.5° | 131.3  | 135.5  | 164.3  | 211.5  | 327.4  | 572.8  | 929.5  | 2252.4 | 3069.4 | 3196.8 | 3318.3 |
| 65°   | 115.2  | 119.1  | 145.1  | 169.3  | 244.6  | 491.2  | 878.5  | 2151.5 | 3231.5 | 3419.0 | 3588.5 |
| 67.5° | 104.0  | 108.7  | 131.3  | 148.2  | 199.3  | 428.5  | 865.1  | 2087.5 | 3310.9 | 3555.2 | 3783.6 |
| 69°   | 99.1   | 103.6  | 124.0  | 138.2  | 185.1  | 406.3  | 842.1  | 1987.5 | 3203.6 | 3464.7 | 3714.3 |
| 70°   | 96.0   | 99.8   | 118.7  | 133.2  | 180.5  | 390.9  | 803.6  | 1862.2 | 3056.6 | 3320.1 | 3581.0 |
| 72.5° | 89.1   | 91.0   | 107.5  | 121.7  | 167.4  | 316.0  | 618.1  | 1383.1 | 2418.4 | 2675.4 | 2928.6 |
| 75°   | 78.7   | 81.0   | 96.4   | 110.1  | 130.6  | 196.3  | 391.3  | 855.4  | 1628.5 | 1819.9 | 2054.7 |
| 77.5° | 67.9   | 70.0   | 83.3   | 105.2  | 101.4  | 122.4  | 233.9  | 476.1  | 924.4  | 1035.6 | 1188.3 |
| 80°   | 54.5   | 56.7   | 68.7   | 104.5  | 83.7   | 95.3   | 168.2  | 332.8  | 453.9  | 487.1  | 523.7  |
| 82.5° | 39.9   | 41.9   | 53.8   | 84.5   | 64.1   | 71.8   | 128.3  | 282.2  | 324.3  | 339.3  | 346.6  |
| 85°   | 20.4   | 20.7   | 34.2   | 51.4   | 40.7   | 37.2   | 72.2   | 193.1  | 220.0  | 223.8  | 229.5  |
| 87.5° | 3.4    | 3.4    | 7.6    | 8.8    | 10.0   | 6.1    | 9.2    | 33.0   | 38.2   | 38.0   | 41.1   |
| 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):**

|       | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 |
| 2.5°  | 1352.8 | 1352.6 | 1353.1 | 1353.1 | 1353.6 | 1352.2 | 1351.9 | 1351.5 | 1351.5 | 1352.4 | 1351.5 |
| 5°    | 1369.4 | 1369.3 | 1369.7 | 1370.2 | 1370.1 | 1369.1 | 1369.0 | 1369.3 | 1368.1 | 1367.7 | 1368.5 |
| 7.5°  | 1397.6 | 1397.2 | 1396.5 | 1397.8 | 1398.5 | 1398.7 | 1399.5 | 1398.8 | 1398.3 | 1398.0 | 1398.8 |
| 10°   | 1436.0 | 1435.8 | 1436.1 | 1437.3 | 1438.2 | 1438.4 | 1439.4 | 1438.3 | 1438.0 | 1438.7 | 1438.7 |
| 12.5° | 1479.3 | 1478.4 | 1480.2 | 1480.9 | 1482.1 | 1484.5 | 1483.3 | 1484.8 | 1483.6 | 1485.6 | 1485.6 |
| 15°   | 1519.8 | 1520.4 | 1522.0 | 1522.7 | 1523.0 | 1524.8 | 1525.2 | 1526.3 | 1524.8 | 1525.1 | 1528.2 |
| 17.5° | 1545.1 | 1544.7 | 1545.9 | 1546.4 | 1547.5 | 1548.5 | 1550.2 | 1551.3 | 1550.5 | 1550.5 | 1552.0 |
| 20°   | 1553.6 | 1552.5 | 1552.8 | 1553.3 | 1553.5 | 1554.4 | 1555.7 | 1555.9 | 1555.8 | 1556.3 | 1557.8 |
| 22.5° | 1549.4 | 1547.5 | 1545.5 | 1545.7 | 1545.8 | 1545.5 | 1546.4 | 1547.0 | 1547.7 | 1548.6 | 1550.5 |
| 25°   | 1543.5 | 1539.2 | 1535.5 | 1535.2 | 1534.1 | 1534.1 | 1534.6 | 1534.7 | 1535.5 | 1536.6 | 1538.1 |
| 27.5° | 1544.2 | 1538.3 | 1532.4 | 1530.3 | 1528.3 | 1527.0 | 1526.4 | 1525.5 | 1526.2 | 1527.5 | 1528.9 |
| 30°   | 1557.3 | 1548.1 | 1539.7 | 1537.1 | 1534.1 | 1531.5 | 1529.2 | 1526.7 | 1525.1 | 1526.2 | 1527.1 |
| 32.5° | 1580.5 | 1571.5 | 1563.2 | 1558.9 | 1554.7 | 1550.1 | 1545.9 | 1543.2 | 1539.7 | 1538.6 | 1538.1 |
| 35°   | 1629.6 | 1622.4 | 1614.9 | 1610.1 | 1603.2 | 1599.5 | 1594.4 | 1587.0 | 1581.6 | 1581.2 | 1578.1 |
| 37.5° | 1712.5 | 1709.0 | 1703.6 | 1698.6 | 1696.4 | 1686.7 | 1680.6 | 1676.8 | 1670.6 | 1674.4 | 1667.9 |
| 40°   | 1831.6 | 1837.3 | 1842.2 | 1839.4 | 1840.3 | 1837.7 | 1834.1 | 1837.6 | 1833.4 | 1832.3 | 1833.5 |
| 42.5° | 1984.2 | 2004.5 | 2018.5 | 2023.0 | 2034.3 | 2038.8 | 2047.1 | 2060.0 | 2057.3 | 2071.8 | 2074.6 |
| 45°   | 2161.0 | 2190.0 | 2218.2 | 2239.1 | 2262.1 | 2288.0 | 2314.0 | 2334.5 | 2350.6 | 2349.9 | 2367.5 |
| 47.5° | 2341.4 | 2384.3 | 2421.7 | 2453.2 | 2494.4 | 2532.5 | 2574.4 | 2616.8 | 2647.5 | 2659.0 | 2662.8 |
| 50°   | 2524.2 | 2573.6 | 2624.8 | 2671.2 | 2726.8 | 2787.7 | 2853.7 | 2919.6 | 2952.8 | 2979.6 | 2997.6 |
| 52.5° | 2715.6 | 2772.2 | 2826.8 | 2892.2 | 2960.9 | 3041.3 | 3123.7 | 3217.7 | 3267.6 | 3318.3 | 3345.1 |
| 55°   | 2897.7 | 2960.9 | 3017.2 | 3104.9 | 3189.0 | 3285.0 | 3392.7 | 3511.4 | 3597.8 | 3657.3 | 3709.9 |
| 57.5° | 3063.2 | 3130.4 | 3199.6 | 3298.4 | 3405.7 | 3518.0 | 3654.4 | 3798.5 | 3892.7 | 3996.3 | 4089.7 |
| 60°   | 3224.8 | 3309.3 | 3388.9 | 3518.0 | 3645.7 | 3785.1 | 3955.1 | 4137.6 | 4283.2 | 4424.0 | 4531.6 |
| 62.5° | 3439.2 | 3547.6 | 3646.5 | 3809.0 | 3975.7 | 4148.2 | 4350.3 | 4566.2 | 4777.2 | 4968.6 | 5113.3 |
| 65°   | 3755.7 | 3915.2 | 4063.1 | 4269.0 | 4479.5 | 4706.5 | 4947.8 | 5223.5 | 5476.9 | 5729.9 | 5937.3 |
| 67.5° | 3995.9 | 4197.9 | 4387.9 | 4636.9 | 4884.6 | 5147.7 | 5439.2 | 5764.9 | 6078.6 | 6363.9 | 6616.5 |
| 69°   | 3948.8 | 4163.0 | 4368.8 | 4622.8 | 4880.4 | 5149.1 | 5443.2 | 5789.4 | 6115.5 | 6425.3 | 6696.4 |
| 70°   | 3805.3 | 4028.5 | 4241.7 | 4493.8 | 4754.7 | 5024.2 | 5331.9 | 5672.0 | 6005.6 | 6335.9 | 6609.6 |
| 72.5° | 3153.7 | 3377.6 | 3584.8 | 3842.8 | 4105.4 | 4388.4 | 4679.8 | 5011.2 | 5367.5 | 5720.4 | 5960.3 |
| 75°   | 2261.1 | 2459.1 | 2659.7 | 2878.0 | 3134.3 | 3367.5 | 3634.1 | 3950.3 | 4249.8 | 4523.6 | 4707.0 |
| 77.5° | 1336.5 | 1455.0 | 1598.1 | 1700.8 | 1849.5 | 1977.9 | 2113.6 | 2289.2 | 2381.4 | 2558.0 | 2603.4 |
| 80°   | 544.6  | 541.2  | 562.5  | 541.5  | 546.1  | 528.9  | 510.6  | 507.3  | 478.4  | 514.5  | 487.6  |
| 82.5° | 345.9  | 321.7  | 296.0  | 260.4  | 229.0  | 196.0  | 165.8  | 140.5  | 135.9  | 136.7  | 135.2  |
| 85°   | 227.8  | 217.4  | 194.3  | 163.3  | 133.2  | 106.8  | 85.5   | 67.5   | 66.8   | 65.7   | 65.3   |
| 87.5° | 41.2   | 38.2   | 31.4   | 26.9   | 22.6   | 16.9   | 11.9   | 8.8    | 8.5    | 8.5    | 10.0   |
| 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):**

|       | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 | 1348.5 |
| 2.5°  | 1351.5 | 1351.5 | 1351.2 | 1351.9 | 1351.5 | 1350.4 | 1349.2 |
| 5°    | 1369.2 | 1367.6 | 1368.8 | 1370.1 | 1368.1 | 1368.5 | 1367.7 |
| 7.5°  | 1398.8 | 1398.4 | 1398.8 | 1397.6 | 1396.8 | 1398.0 | 1399.2 |
| 10°   | 1440.3 | 1439.5 | 1439.1 | 1440.2 | 1439.5 | 1438.7 | 1439.1 |
| 12.5° | 1486.7 | 1486.7 | 1486.3 | 1486.7 | 1486.3 | 1485.2 | 1484.4 |
| 15°   | 1527.8 | 1528.6 | 1528.6 | 1527.8 | 1527.5 | 1527.1 | 1527.5 |
| 17.5° | 1553.1 | 1552.8 | 1552.8 | 1552.8 | 1552.4 | 1552.8 | 1553.5 |
| 20°   | 1559.6 | 1558.5 | 1558.5 | 1559.3 | 1558.5 | 1559.3 | 1559.6 |
| 22.5° | 1550.9 | 1550.9 | 1550.9 | 1551.3 | 1552.0 | 1552.0 | 1552.8 |
| 25°   | 1539.7 | 1539.7 | 1539.7 | 1540.5 | 1540.5 | 1540.8 | 1541.2 |
| 27.5° | 1530.9 | 1530.9 | 1530.8 | 1531.7 | 1531.6 | 1532.0 | 1532.8 |
| 30°   | 1528.2 | 1528.2 | 1527.8 | 1528.2 | 1528.6 | 1528.6 | 1528.9 |
| 32.5° | 1538.6 | 1537.4 | 1537.0 | 1536.2 | 1535.5 | 1535.5 | 1535.1 |
| 35°   | 1575.1 | 1571.9 | 1572.3 | 1570.1 | 1570.8 | 1568.9 | 1567.4 |
| 37.5° | 1663.7 | 1660.7 | 1657.2 | 1652.7 | 1649.9 | 1653.4 | 1653.4 |
| 40°   | 1829.6 | 1831.5 | 1823.1 | 1820.8 | 1815.8 | 1819.2 | 1823.8 |
| 42.5° | 2076.1 | 2078.4 | 2080.0 | 2067.3 | 2066.9 | 2064.2 | 2056.6 |
| 45°   | 2368.3 | 2363.0 | 2365.2 | 2359.5 | 2357.2 | 2348.8 | 2359.1 |
| 47.5° | 2677.4 | 2680.9 | 2667.0 | 2662.3 | 2670.5 | 2656.7 | 2658.6 |
| 50°   | 3008.0 | 3008.8 | 2998.3 | 2996.1 | 3003.4 | 2977.3 | 2989.6 |
| 52.5° | 3364.3 | 3365.8 | 3374.0 | 3364.3 | 3368.2 | 3362.1 | 3374.3 |
| 55°   | 3743.3 | 3772.1 | 3774.8 | 3785.1 | 3785.9 | 3798.6 | 3785.9 |
| 57.5° | 4141.4 | 4174.2 | 4204.9 | 4246.7 | 4255.9 | 4250.9 | 4259.0 |
| 60°   | 4621.1 | 4706.6 | 4752.8 | 4818.4 | 4828.8 | 4857.2 | 4832.6 |
| 62.5° | 5249.1 | 5382.5 | 5483.0 | 5533.8 | 5564.5 | 5624.0 | 5604.4 |
| 65°   | 6127.7 | 6286.3 | 6439.1 | 6512.0 | 6592.7 | 6677.3 | 6692.5 |
| 67.5° | 6847.3 | 7023.5 | 7182.6 | 7308.9 | 7407.1 | 7469.3 | 7474.3 |
| 69°   | 6937.2 | 7124.5 | 7292.0 | 7432.4 | 7528.0 | 7591.9 | 7608.7 |
| 70°   | 6856.1 | 7047.7 | 7225.2 | 7359.1 | 7465.9 | 7530.8 | 7553.4 |
| 72.5° | 6212.1 | 6440.3 | 6582.4 | 6719.0 | 6869.6 | 6889.2 | 6951.4 |
| 75°   | 4917.4 | 5122.1 | 5261.5 | 5297.5 | 5376.3 | 5475.4 | 5440.0 |
| 77.5° | 2564.9 | 2654.0 | 2683.6 | 2620.6 | 2617.5 | 2675.5 | 2560.3 |
| 80°   | 488.4  | 489.1  | 481.1  | 478.0  | 483.7  | 478.0  | 470.0  |
| 82.5° | 137.9  | 135.9  | 134.8  | 137.9  | 137.5  | 137.1  | 139.7  |
| 85°   | 63.7   | 61.8   | 58.8   | 58.8   | 60.3   | 58.0   | 59.2   |
| 87.5° | 8.8    | 7.3    | 7.3    | 7.3    | 7.0    | 7.0    | 6.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)