

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: P180276

Luminaire Tested: **ICM-E03-LED-E1-RW-8030**

Issue Date: 03/03/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P180276  
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-E03-LED-E1-RW-8030  
Description: ICON SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

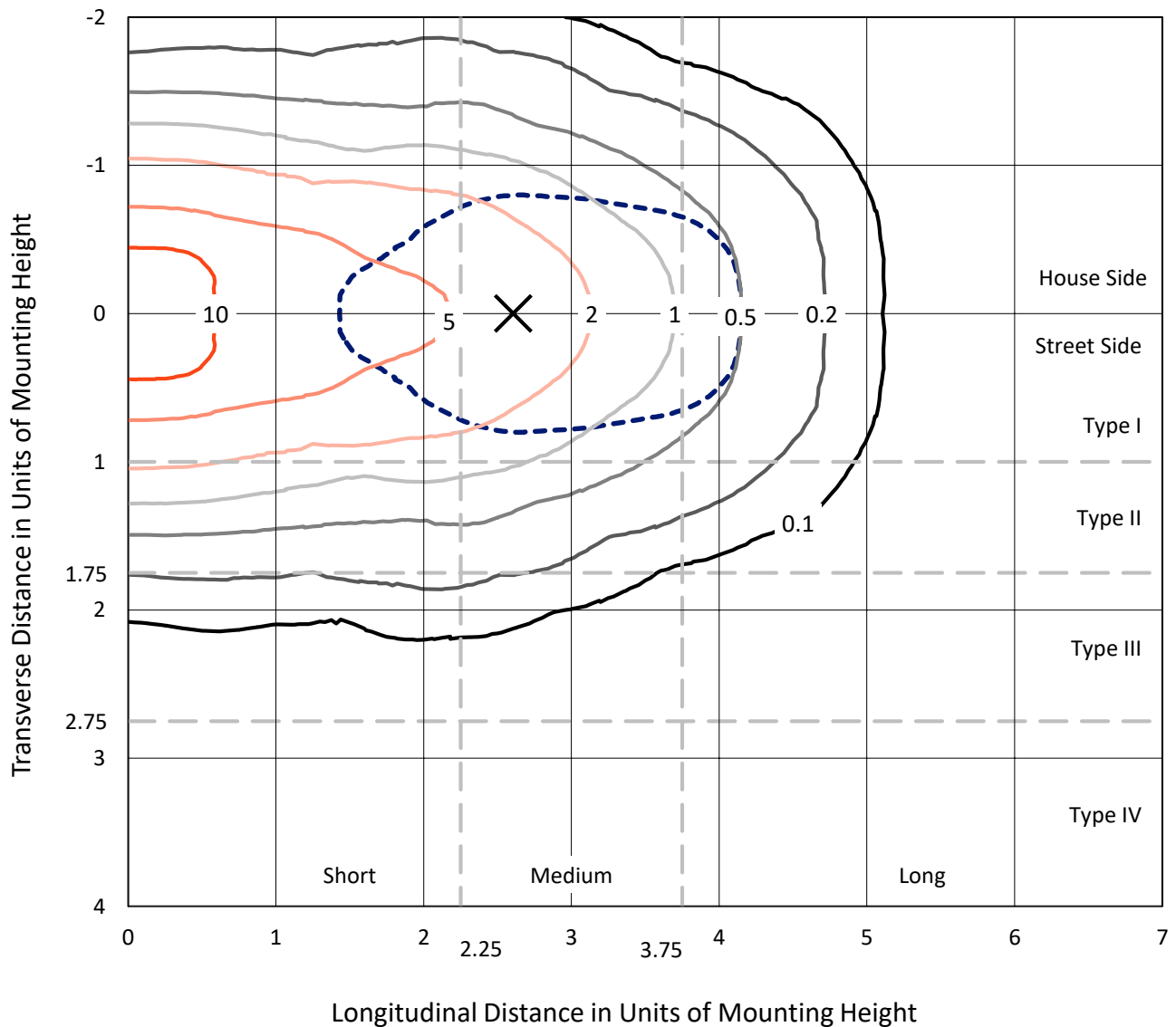
Lumens per Lamp: N/A  
Luminaire Lumens: 7358 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B3 - U0 - G3  
  
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input 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

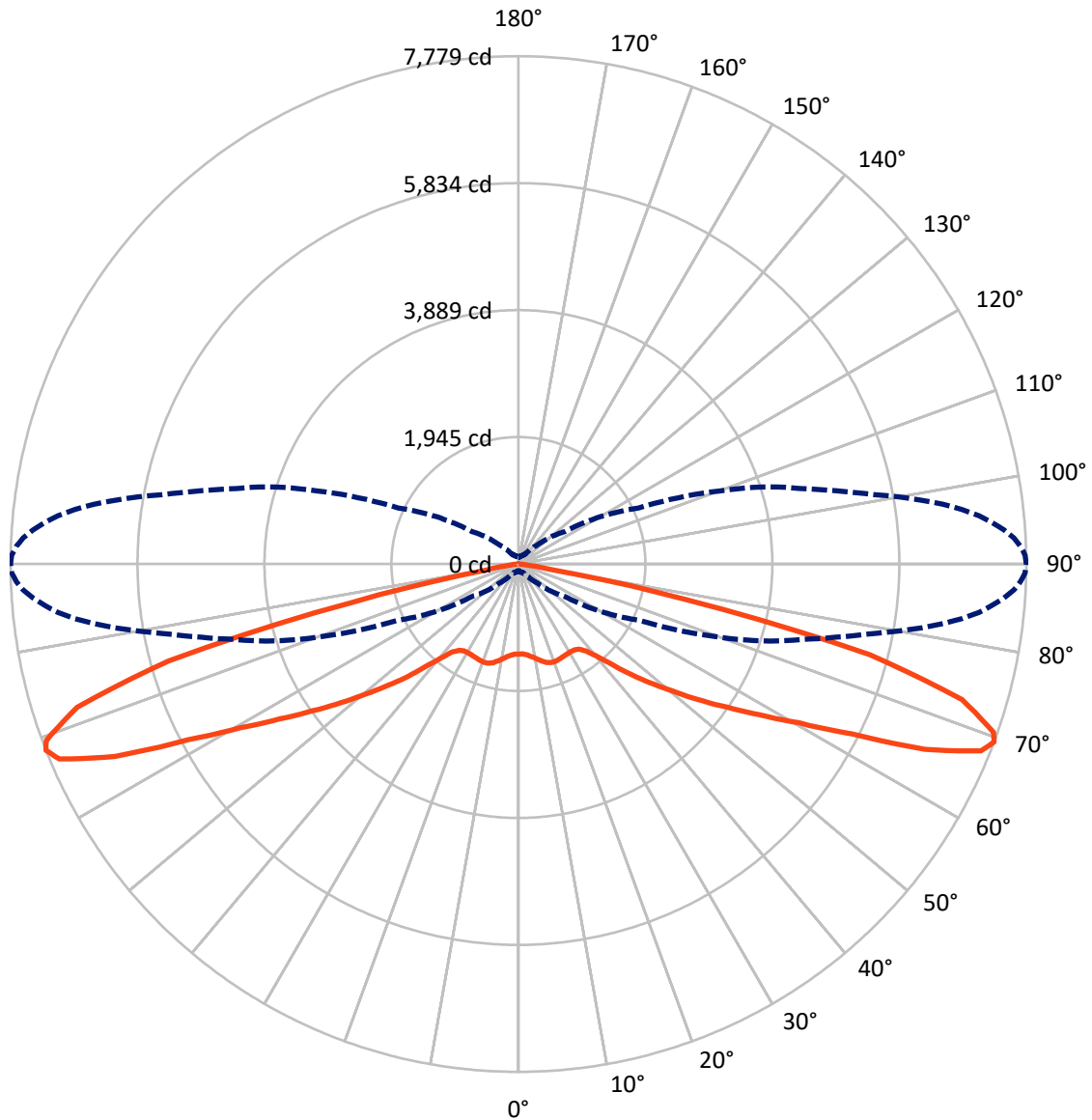
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.1 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    | 3679.0   | 0.0    | 3679.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Street Side</b> | Lumens    | 3679.0   | 0.0    | 3679.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0   |
| <b>Total</b>       | Lumens    | 7358.0   | 0.0    | 7358.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 135.2  | 1.8       |
| 10°-20°   | 426.6  | 5.8       |
| 20°-30°   | 691.1  | 9.4       |
| 30°-40°   | 861.3  | 11.7      |
| 40°-50°   | 1076.3 | 14.6      |
| 50°-60°   | 1329.1 | 18.1      |
| 60°-70°   | 1651.4 | 22.4      |
| 70°-80°   | 1096.3 | 14.9      |
| 80°-90°   | 90.5   | 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°    | 7358.0 | 100.0     |
| 0°-180°   | 7358.0 | 100.0     |



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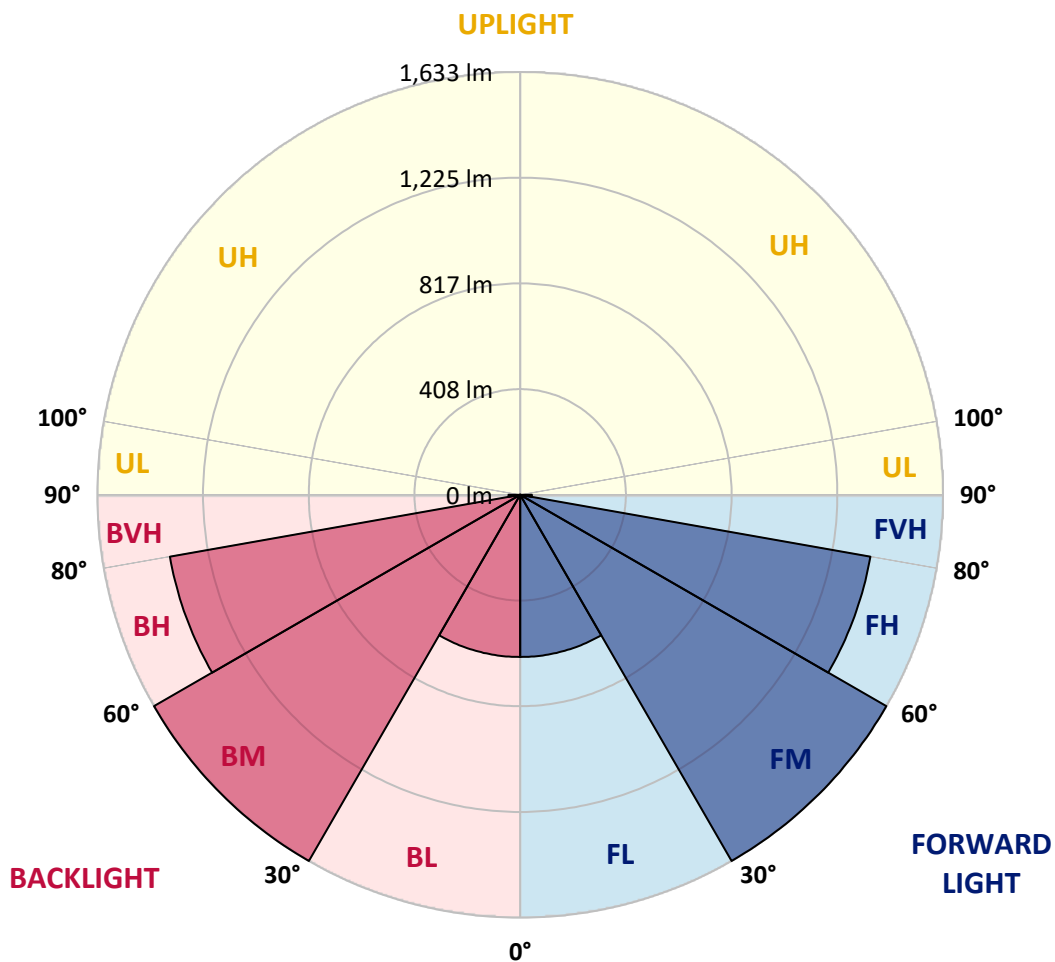
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 626.5  | 8.5       |                         |      |         |
| FM (30°-60°)   | 1633.4 | 22.2      |                         |      |         |
| FH (60°-80°)   | 1373.9 | 18.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 45.3   | 0.6       |                         |      | G1/100  |
| BL (0°-30°)    | 626.5  | 8.5       | B2/1000                 |      |         |
| BM (30°-60°)   | 1633.4 | 22.2      | B2/2500                 |      |         |
| BH (60°-80°)   | 1373.9 | 18.7      | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 45.3   | 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°    | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 |
| 2.5°  | 1384.9 | 1386.1 | 1385.3 | 1386.9 | 1386.5 | 1386.5 | 1385.7 | 1384.1 | 1383.2 | 1382.5 | 1382.6 |
| 5°    | 1398.3 | 1396.7 | 1399.1 | 1401.5 | 1400.7 | 1401.0 | 1400.6 | 1400.6 | 1399.8 | 1399.7 | 1399.7 |
| 7.5°  | 1412.5 | 1412.0 | 1413.6 | 1419.9 | 1420.7 | 1423.1 | 1425.8 | 1427.7 | 1428.1 | 1428.5 | 1428.1 |
| 10°   | 1424.6 | 1424.9 | 1428.8 | 1438.0 | 1442.7 | 1450.1 | 1457.6 | 1463.5 | 1465.7 | 1467.0 | 1466.8 |
| 12.5° | 1434.4 | 1434.8 | 1440.7 | 1454.8 | 1466.2 | 1480.4 | 1496.4 | 1505.5 | 1509.4 | 1510.1 | 1510.8 |
| 15°   | 1435.2 | 1436.4 | 1446.6 | 1469.8 | 1492.5 | 1515.7 | 1534.9 | 1547.0 | 1550.2 | 1552.3 | 1552.5 |
| 17.5° | 1424.9 | 1425.8 | 1443.0 | 1477.2 | 1515.3 | 1551.4 | 1571.4 | 1576.9 | 1578.1 | 1578.9 | 1578.5 |
| 20°   | 1398.3 | 1400.2 | 1424.6 | 1475.2 | 1533.3 | 1580.5 | 1601.3 | 1593.8 | 1590.1 | 1589.6 | 1589.2 |
| 22.5° | 1355.2 | 1354.7 | 1386.5 | 1454.8 | 1536.8 | 1603.2 | 1621.7 | 1602.1 | 1590.4 | 1588.0 | 1586.4 |
| 25°   | 1285.2 | 1289.9 | 1327.3 | 1408.9 | 1516.8 | 1608.3 | 1636.1 | 1606.3 | 1589.6 | 1585.9 | 1581.4 |
| 27.5° | 1209.5 | 1212.2 | 1251.9 | 1339.4 | 1470.1 | 1590.6 | 1643.2 | 1615.0 | 1596.3 | 1591.2 | 1585.9 |
| 30°   | 1121.1 | 1124.7 | 1167.1 | 1258.5 | 1395.2 | 1545.1 | 1641.3 | 1634.6 | 1612.8 | 1606.6 | 1600.0 |
| 32.5° | 1034.8 | 1038.7 | 1076.8 | 1176.9 | 1316.3 | 1482.6 | 1629.5 | 1662.5 | 1640.1 | 1633.2 | 1626.2 |
| 35°   | 945.3  | 951.1  | 997.4  | 1098.8 | 1240.0 | 1413.2 | 1611.4 | 1698.2 | 1685.8 | 1679.7 | 1673.7 |
| 37.5° | 871.1  | 872.3  | 917.0  | 1023.4 | 1169.4 | 1346.8 | 1587.5 | 1743.3 | 1752.4 | 1752.4 | 1753.1 |
| 40°   | 788.3  | 795.7  | 840.5  | 952.8  | 1105.5 | 1290.7 | 1564.7 | 1804.6 | 1851.5 | 1860.1 | 1866.7 |
| 42.5° | 714.1  | 714.8  | 760.4  | 876.2  | 1035.9 | 1245.6 | 1552.2 | 1878.3 | 1978.7 | 1997.0 | 2015.4 |
| 45°   | 635.9  | 639.1  | 680.3  | 792.2  | 955.9  | 1192.2 | 1551.8 | 1963.5 | 2123.7 | 2154.4 | 2182.9 |
| 47.5° | 562.1  | 563.4  | 606.9  | 710.9  | 864.0  | 1117.6 | 1549.0 | 2055.1 | 2273.1 | 2318.4 | 2355.5 |
| 50°   | 491.5  | 490.3  | 533.1  | 633.2  | 773.4  | 1019.8 | 1525.0 | 2158.7 | 2434.1 | 2485.7 | 2531.5 |
| 52.5° | 410.6  | 416.2  | 460.5  | 556.3  | 691.0  | 920.6  | 1455.2 | 2272.1 | 2601.5 | 2661.2 | 2718.6 |
| 55°   | 331.4  | 333.7  | 381.2  | 470.7  | 607.3  | 827.9  | 1333.5 | 2376.6 | 2764.8 | 2832.5 | 2896.3 |
| 57.5° | 244.2  | 251.3  | 292.8  | 381.2  | 522.5  | 749.9  | 1178.8 | 2430.7 | 2903.1 | 2981.3 | 3057.1 |
| 60°   | 172.3  | 177.8  | 214.7  | 288.8  | 429.5  | 667.7  | 1045.8 | 2400.5 | 3014.4 | 3114.2 | 3205.3 |
| 62.5° | 134.2  | 138.6  | 168.0  | 216.4  | 334.9  | 585.7  | 950.3  | 2302.7 | 3138.1 | 3268.3 | 3392.6 |
| 65°   | 117.8  | 121.7  | 148.5  | 173.1  | 250.0  | 502.1  | 898.1  | 2199.5 | 3303.7 | 3495.5 | 3668.8 |
| 67.5° | 106.4  | 111.1  | 134.2  | 151.5  | 203.7  | 438.1  | 884.5  | 2134.3 | 3385.0 | 3634.7 | 3868.2 |
| 69°   | 101.2  | 106.0  | 126.8  | 141.4  | 189.2  | 415.4  | 860.8  | 2031.8 | 3275.3 | 3542.2 | 3797.3 |
| 70°   | 98.1   | 102.1  | 121.3  | 136.2  | 184.6  | 399.6  | 821.6  | 1903.8 | 3124.9 | 3394.3 | 3661.0 |
| 72.5° | 91.1   | 93.0   | 110.0  | 124.5  | 171.2  | 323.1  | 632.0  | 1414.0 | 2472.6 | 2735.3 | 2994.1 |
| 75°   | 80.5   | 82.9   | 98.5   | 112.7  | 133.5  | 200.6  | 400.0  | 874.6  | 1664.8 | 1860.6 | 2100.7 |
| 77.5° | 69.5   | 71.4   | 85.2   | 107.5  | 103.6  | 125.2  | 239.1  | 486.8  | 945.1  | 1058.8 | 1214.9 |
| 80°   | 55.8   | 58.0   | 70.2   | 106.8  | 85.6   | 97.4   | 171.9  | 340.4  | 464.0  | 497.9  | 535.4  |
| 82.5° | 40.8   | 42.8   | 55.0   | 86.3   | 65.6   | 73.4   | 131.2  | 288.6  | 331.5  | 346.9  | 354.3  |
| 85°   | 20.8   | 21.2   | 35.0   | 52.7   | 41.7   | 38.0   | 73.9   | 197.5  | 224.9  | 228.7  | 234.6  |
| 87.5° | 3.5    | 3.5    | 7.8    | 9.0    | 10.2   | 6.3    | 9.5    | 33.8   | 39.1   | 38.8   | 42.0   |
| 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):**

|       | 73°    | 74°    | 75°    | 76°    | 77°    | 78°    | 79°    | 80°    | 81°    | 82°    | 83°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 |
| 2.5°  | 1383.1 | 1382.9 | 1383.4 | 1383.5 | 1383.9 | 1382.4 | 1382.1 | 1381.8 | 1381.8 | 1382.5 | 1381.8 |
| 5°    | 1400.0 | 1400.0 | 1400.3 | 1400.9 | 1400.8 | 1399.8 | 1399.6 | 1399.9 | 1398.7 | 1398.3 | 1399.1 |
| 7.5°  | 1428.9 | 1428.5 | 1427.7 | 1429.0 | 1429.9 | 1430.0 | 1430.8 | 1430.1 | 1429.7 | 1429.2 | 1430.1 |
| 10°   | 1468.1 | 1468.0 | 1468.1 | 1469.5 | 1470.4 | 1470.6 | 1471.5 | 1470.5 | 1470.1 | 1470.9 | 1470.9 |
| 12.5° | 1512.3 | 1511.4 | 1513.3 | 1514.1 | 1515.3 | 1517.6 | 1516.5 | 1518.1 | 1516.8 | 1518.8 | 1518.8 |
| 15°   | 1553.9 | 1554.3 | 1556.1 | 1556.8 | 1557.1 | 1559.0 | 1559.3 | 1560.4 | 1558.9 | 1559.3 | 1562.4 |
| 17.5° | 1579.6 | 1579.3 | 1580.5 | 1581.0 | 1582.1 | 1583.1 | 1584.9 | 1585.9 | 1585.1 | 1585.1 | 1586.7 |
| 20°   | 1588.4 | 1587.2 | 1587.5 | 1588.1 | 1588.2 | 1589.1 | 1590.4 | 1590.6 | 1590.6 | 1591.1 | 1592.6 |
| 22.5° | 1584.0 | 1582.1 | 1580.1 | 1580.2 | 1580.4 | 1580.1 | 1581.0 | 1581.6 | 1582.4 | 1583.3 | 1585.1 |
| 25°   | 1578.1 | 1573.6 | 1569.9 | 1569.5 | 1568.4 | 1568.5 | 1568.9 | 1569.0 | 1569.9 | 1571.0 | 1572.6 |
| 27.5° | 1578.7 | 1572.7 | 1566.7 | 1564.6 | 1562.4 | 1561.1 | 1560.6 | 1559.6 | 1560.4 | 1561.6 | 1563.2 |
| 30°   | 1592.1 | 1582.7 | 1574.1 | 1571.5 | 1568.4 | 1565.8 | 1563.5 | 1560.8 | 1559.3 | 1560.4 | 1561.1 |
| 32.5° | 1615.8 | 1606.5 | 1598.1 | 1593.8 | 1589.4 | 1584.8 | 1580.4 | 1577.7 | 1574.1 | 1572.9 | 1572.6 |
| 35°   | 1666.0 | 1658.7 | 1651.1 | 1646.2 | 1639.0 | 1635.3 | 1630.1 | 1622.4 | 1616.9 | 1616.6 | 1613.4 |
| 37.5° | 1750.8 | 1747.3 | 1741.8 | 1736.7 | 1734.3 | 1724.5 | 1718.2 | 1714.2 | 1708.0 | 1712.0 | 1705.3 |
| 40°   | 1872.6 | 1878.4 | 1883.5 | 1880.5 | 1881.5 | 1878.9 | 1875.1 | 1878.8 | 1874.4 | 1873.3 | 1874.4 |
| 42.5° | 2028.6 | 2049.3 | 2063.6 | 2068.3 | 2079.8 | 2084.4 | 2092.9 | 2106.1 | 2103.3 | 2118.2 | 2120.9 |
| 45°   | 2209.4 | 2239.0 | 2267.8 | 2289.2 | 2312.7 | 2339.2 | 2365.7 | 2386.8 | 2403.3 | 2402.4 | 2420.5 |
| 47.5° | 2393.8 | 2437.6 | 2475.8 | 2508.1 | 2550.2 | 2589.1 | 2632.0 | 2675.3 | 2706.6 | 2718.5 | 2722.4 |
| 50°   | 2580.7 | 2631.1 | 2683.6 | 2730.9 | 2787.7 | 2850.1 | 2917.6 | 2984.9 | 3018.7 | 3046.3 | 3064.8 |
| 52.5° | 2776.4 | 2834.2 | 2890.1 | 2956.9 | 3027.1 | 3109.4 | 3193.6 | 3289.7 | 3340.7 | 3392.5 | 3419.9 |
| 55°   | 2962.5 | 3027.1 | 3084.7 | 3174.3 | 3260.3 | 3358.5 | 3468.6 | 3590.0 | 3678.3 | 3739.1 | 3792.9 |
| 57.5° | 3131.7 | 3200.5 | 3271.2 | 3372.2 | 3481.9 | 3596.7 | 3736.2 | 3883.6 | 3979.7 | 4085.8 | 4181.0 |
| 60°   | 3297.0 | 3383.4 | 3464.7 | 3596.8 | 3727.3 | 3869.9 | 4043.6 | 4230.2 | 4379.0 | 4523.0 | 4633.0 |
| 62.5° | 3516.0 | 3627.0 | 3728.1 | 3894.3 | 4064.7 | 4241.0 | 4447.6 | 4668.3 | 4884.2 | 5079.7 | 5227.8 |
| 65°   | 3839.7 | 4002.7 | 4154.0 | 4364.5 | 4579.7 | 4811.8 | 5058.4 | 5340.3 | 5599.5 | 5858.1 | 6070.1 |
| 67.5° | 4085.3 | 4291.8 | 4486.2 | 4740.6 | 4993.9 | 5262.8 | 5560.9 | 5893.8 | 6214.5 | 6506.3 | 6764.5 |
| 69°   | 4037.1 | 4256.1 | 4466.5 | 4726.4 | 4989.6 | 5264.3 | 5565.0 | 5918.9 | 6252.3 | 6569.1 | 6846.2 |
| 70°   | 3890.4 | 4118.6 | 4336.6 | 4594.4 | 4861.1 | 5136.5 | 5451.2 | 5798.9 | 6139.9 | 6477.5 | 6757.4 |
| 72.5° | 3224.2 | 3453.2 | 3665.0 | 3928.7 | 4197.2 | 4486.5 | 4784.5 | 5123.2 | 5487.6 | 5848.3 | 6093.6 |
| 75°   | 2311.6 | 2514.1 | 2719.2 | 2942.3 | 3204.4 | 3442.8 | 3715.4 | 4038.6 | 4344.8 | 4624.8 | 4812.3 |
| 77.5° | 1366.3 | 1487.5 | 1633.8 | 1738.8 | 1890.8 | 2022.2 | 2160.9 | 2340.5 | 2434.6 | 2615.2 | 2661.5 |
| 80°   | 556.7  | 553.3  | 575.1  | 553.6  | 558.4  | 540.7  | 522.0  | 518.5  | 489.1  | 526.0  | 498.6  |
| 82.5° | 353.6  | 328.9  | 302.7  | 266.2  | 234.1  | 200.4  | 169.5  | 143.6  | 139.0  | 139.7  | 138.2  |
| 85°   | 232.9  | 222.2  | 198.6  | 167.0  | 136.1  | 109.2  | 87.3   | 69.1   | 68.3   | 67.2   | 66.8   |
| 87.5° | 42.1   | 39.2   | 32.2   | 27.5   | 23.2   | 17.3   | 12.2   | 9.0    | 8.7    | 8.6    | 10.2   |
| 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):**

|       | 84°    | 85°    | 86°    | 87°    | 88°    | 89°    | 90°    |
|-------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 | 1378.6 |
| 2.5°  | 1381.8 | 1381.8 | 1381.4 | 1382.1 | 1381.8 | 1380.6 | 1379.5 |
| 5°    | 1399.8 | 1398.3 | 1399.5 | 1400.7 | 1398.7 | 1399.1 | 1398.2 |
| 7.5°  | 1430.1 | 1429.7 | 1430.1 | 1428.9 | 1428.1 | 1429.3 | 1430.5 |
| 10°   | 1472.5 | 1471.6 | 1471.3 | 1472.5 | 1471.7 | 1470.9 | 1471.3 |
| 12.5° | 1520.0 | 1520.0 | 1519.6 | 1520.0 | 1519.6 | 1518.3 | 1517.6 |
| 15°   | 1562.0 | 1562.8 | 1562.8 | 1562.1 | 1561.6 | 1561.2 | 1561.6 |
| 17.5° | 1587.9 | 1587.5 | 1587.5 | 1587.5 | 1587.2 | 1587.5 | 1588.3 |
| 20°   | 1594.6 | 1593.4 | 1593.4 | 1594.1 | 1593.3 | 1594.2 | 1594.5 |
| 22.5° | 1585.5 | 1585.5 | 1585.5 | 1586.0 | 1586.7 | 1586.7 | 1587.5 |
| 25°   | 1574.1 | 1574.1 | 1574.1 | 1574.9 | 1574.9 | 1575.4 | 1575.7 |
| 27.5° | 1565.1 | 1565.1 | 1565.1 | 1566.0 | 1566.0 | 1566.3 | 1567.1 |
| 30°   | 1562.4 | 1562.4 | 1562.0 | 1562.4 | 1562.8 | 1562.8 | 1563.2 |
| 32.5° | 1572.9 | 1571.8 | 1571.4 | 1570.6 | 1569.9 | 1569.9 | 1569.4 |
| 35°   | 1610.2 | 1607.1 | 1607.5 | 1605.1 | 1606.0 | 1604.0 | 1602.4 |
| 37.5° | 1700.9 | 1697.8 | 1694.3 | 1689.5 | 1686.8 | 1690.3 | 1690.3 |
| 40°   | 1870.5 | 1872.6 | 1863.8 | 1861.5 | 1856.4 | 1859.9 | 1864.7 |
| 42.5° | 2122.6 | 2124.9 | 2126.5 | 2113.5 | 2113.1 | 2110.3 | 2102.5 |
| 45°   | 2421.2 | 2415.8 | 2418.1 | 2412.3 | 2409.9 | 2401.3 | 2411.8 |
| 47.5° | 2737.3 | 2740.9 | 2726.7 | 2722.0 | 2730.2 | 2716.1 | 2718.1 |
| 50°   | 3075.3 | 3076.1 | 3065.5 | 3063.1 | 3070.5 | 3043.9 | 3056.5 |
| 52.5° | 3439.6 | 3441.1 | 3449.3 | 3439.6 | 3443.6 | 3437.2 | 3449.8 |
| 55°   | 3827.0 | 3856.5 | 3859.2 | 3869.8 | 3870.5 | 3883.6 | 3870.6 |
| 57.5° | 4234.1 | 4267.5 | 4298.8 | 4341.6 | 4351.1 | 4346.0 | 4354.3 |
| 60°   | 4724.4 | 4811.9 | 4859.0 | 4926.2 | 4936.8 | 4965.8 | 4940.7 |
| 62.5° | 5366.6 | 5502.9 | 5605.7 | 5657.5 | 5689.0 | 5749.8 | 5729.7 |
| 65°   | 6264.8 | 6426.9 | 6583.1 | 6657.7 | 6740.1 | 6826.6 | 6842.3 |
| 67.5° | 7000.4 | 7180.6 | 7343.1 | 7472.2 | 7572.8 | 7636.3 | 7641.5 |
| 69°   | 7092.3 | 7283.9 | 7455.0 | 7598.7 | 7696.4 | 7761.5 | 7778.9 |
| 70°   | 7009.5 | 7205.3 | 7386.7 | 7523.7 | 7632.8 | 7699.2 | 7722.4 |
| 72.5° | 6351.1 | 6584.3 | 6729.6 | 6869.3 | 7023.3 | 7043.2 | 7106.8 |
| 75°   | 5027.5 | 5236.7 | 5379.2 | 5416.1 | 5496.6 | 5597.8 | 5561.7 |
| 77.5° | 2622.3 | 2713.3 | 2743.6 | 2679.3 | 2676.1 | 2735.3 | 2617.6 |
| 80°   | 499.4  | 500.1  | 491.9  | 488.7  | 494.7  | 488.7  | 480.5  |
| 82.5° | 140.9  | 139.0  | 137.9  | 140.9  | 140.5  | 140.1  | 142.9  |
| 85°   | 65.2   | 63.2   | 60.1   | 60.1   | 61.7   | 59.3   | 60.5   |
| 87.5° | 9.0    | 7.4    | 7.4    | 7.4    | 7.1    | 7.1    | 7.1    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END OF REPORT)