

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: LUMARK

Report Number: P1554999

Luminaire Tested: **AXCL6ARL**

Issue Date: 9/1/2026



**Test Information**

Test Method: LM-79-08  
Report Number: P1554999  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-354-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/1/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: LUMARK  
Catalog Number: AXCL6ARL  
Description: Axcent Wall Mount Luminaire , Refractive Lens, 4000K LEDs  
Light Source: -  
Ballast/Driver: -

**Summary**

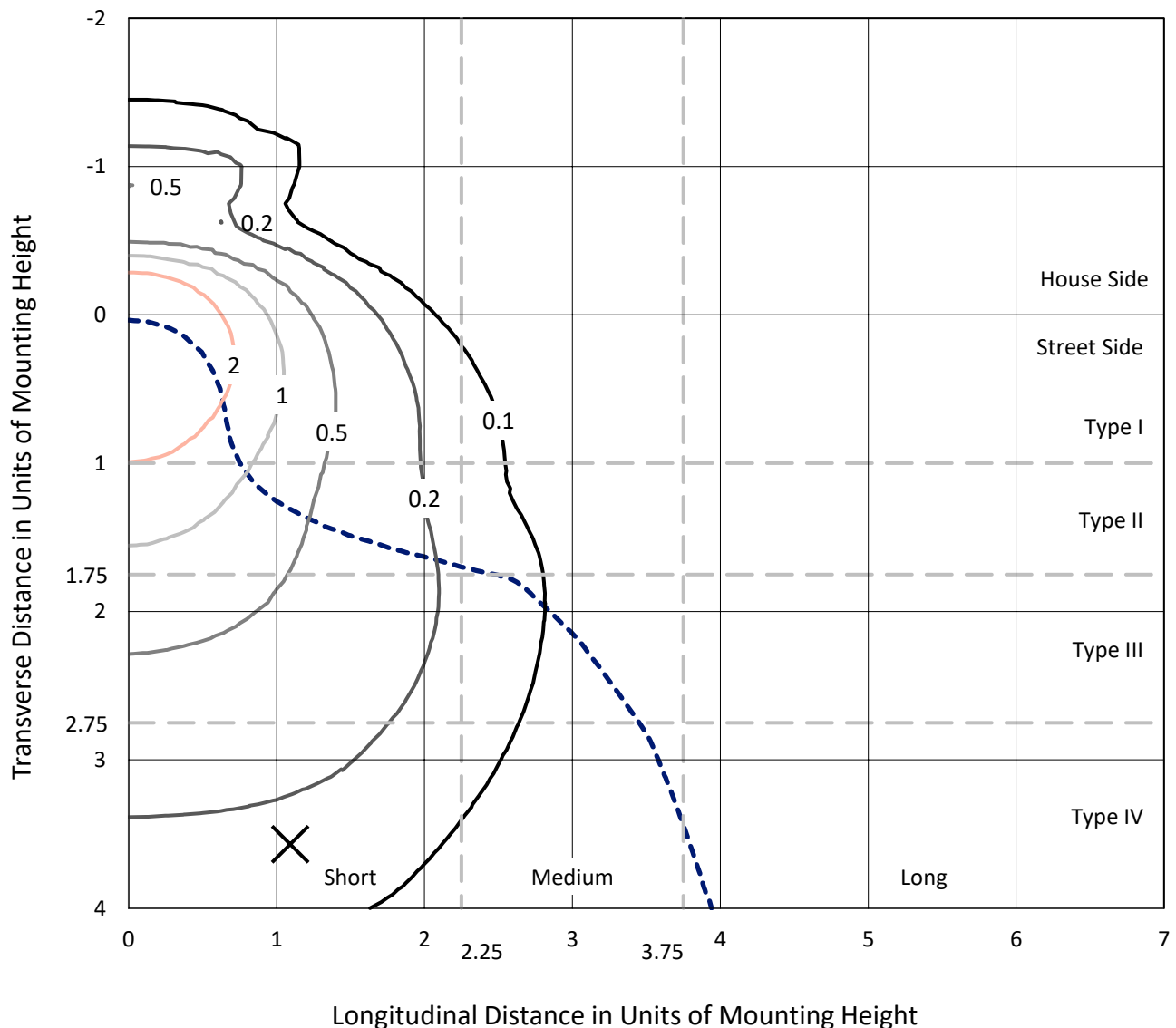
Lumens per Lamp: N/A  
Luminaire Lumens: 7809.1 lumens  
Efficiency: N/A  
Efficacy: 158.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.75' x L: 0.29' x H: 0.38')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U4 - G4

Input Watts (W): 49.4  
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

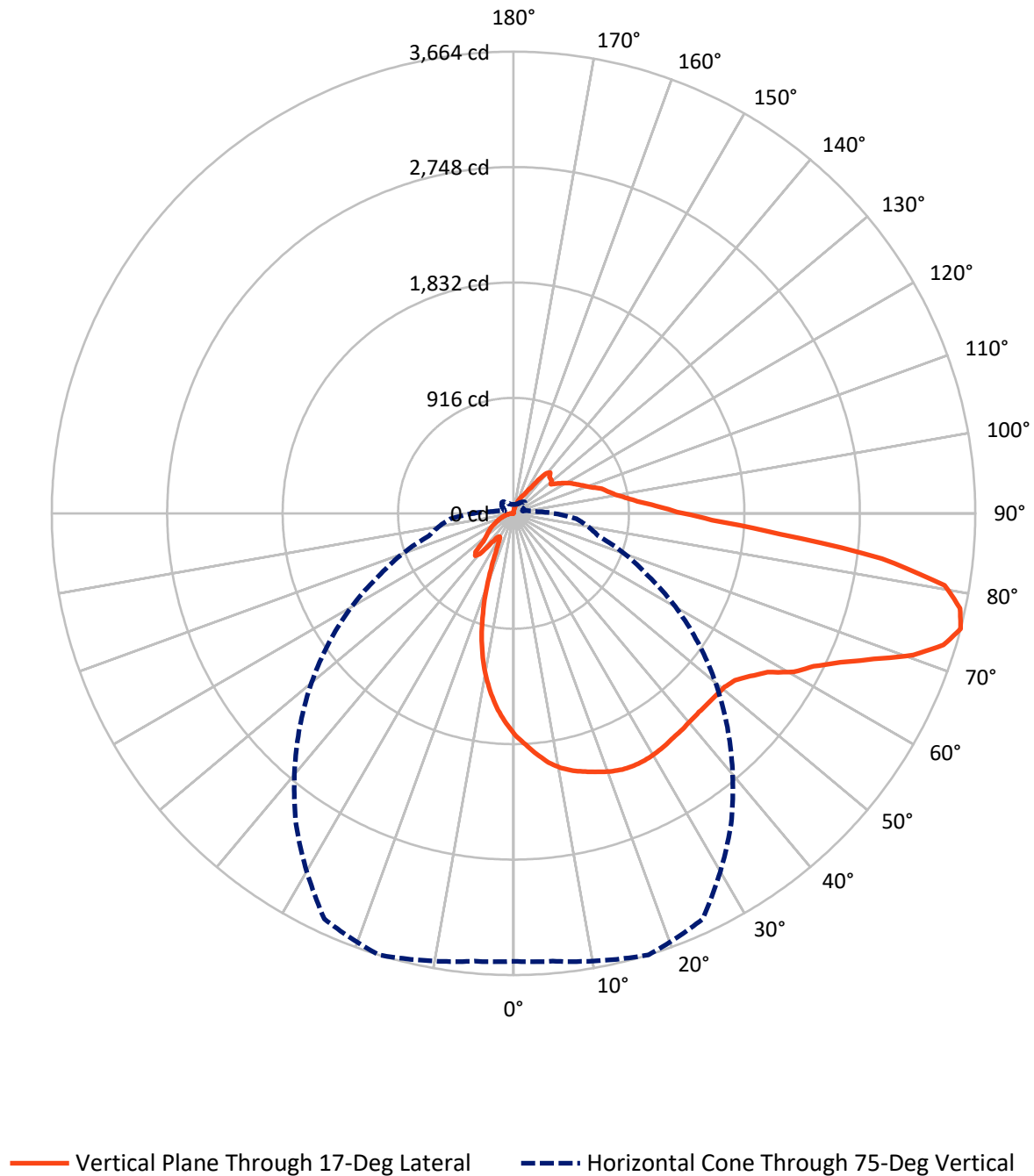
× Max cd  
- - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc  
Type IV - Short - N/A

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## Luminous Intensity Polar Plot



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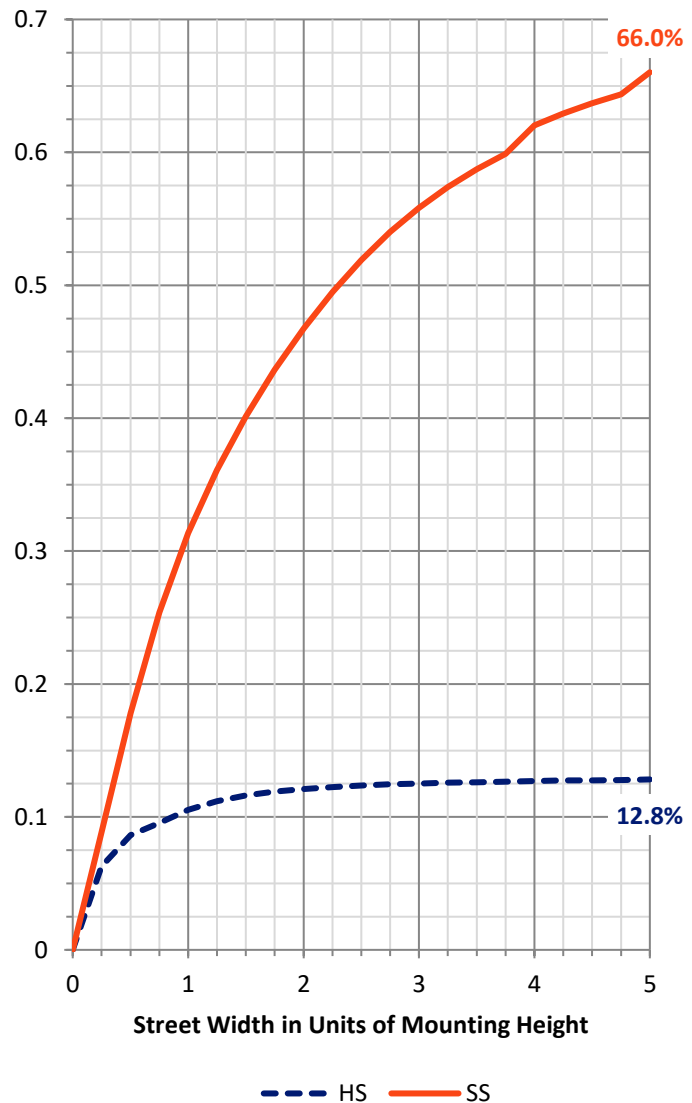
**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1020.0   | 61.6   | 1081.7 |
|                    | % Fixture | 13.1     | 0.8    | 13.9   |
| <b>Street Side</b> | Lumens    | 5640.3   | 1087.1 | 6727.4 |
|                    | % Fixture | 72.2     | 13.9   | 86.1   |
| <b>Total</b>       | Lumens    | 6660.3   | 1148.7 | 7809.1 |
|                    | % Fixture | 85.3     | 14.7   | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 165.4  | 2.1       |
| 10°-20°   | 454.0  | 5.8       |
| 20°-30°   | 633.0  | 8.1       |
| 30°-40°   | 744.1  | 9.5       |
| 40°-50°   | 830.4  | 10.6      |
| 50°-60°   | 875.3  | 11.2      |
| 60°-70°   | 1024.2 | 13.1      |
| 70°-80°   | 1207.7 | 15.5      |
| 80°-90°   | 726.2  | 9.3       |
| 90°-100°  | 368.2  | 4.7       |
| 100°-110° | 258.3  | 3.3       |
| 110°-120° | 187.4  | 2.4       |
| 120°-130° | 132.8  | 1.7       |
| 130°-140° | 110.2  | 1.4       |
| 140°-150° | 60.2   | 0.8       |
| 150°-160° | 23.7   | 0.3       |
| 160°-170° | 7.2    | 0.1       |
| 170°-180° | 0.7    | 0.0       |
| 0°-90°    | 6660.3 | 85.3      |
| 0°-180°   | 7809.1 | 100.0     |

**Coefficient of Utilization**



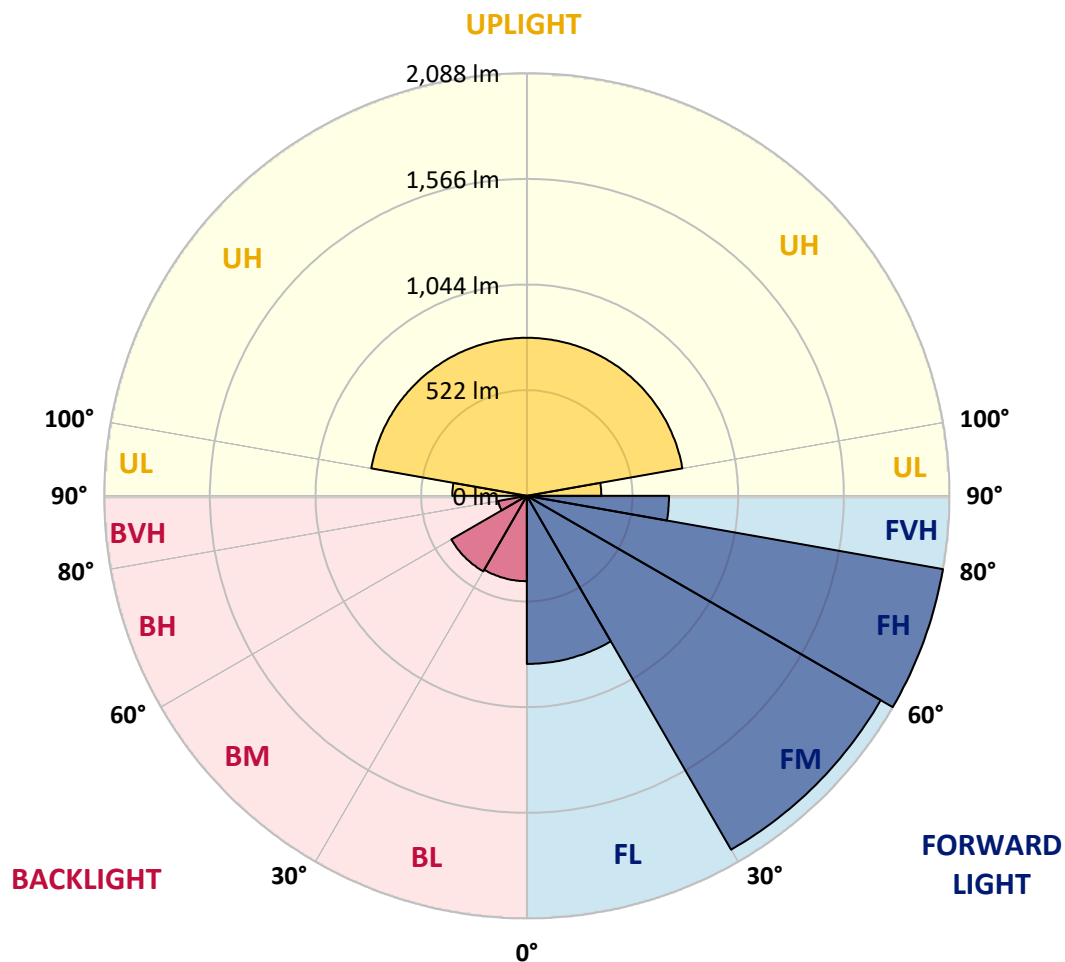
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |         |         |
|------|-------------|--------|-----------|-------------------------|---------|---------|
|      |             |        |           | B                       | U       | G       |
| FL   | (0°-30°)    | 830.6  | 10.6      |                         |         |         |
| FM   | (30°-60°)   | 2019.0 | 25.9      |                         |         |         |
| FH   | (60°-80°)   | 2088.0 | 26.7      |                         |         | G2/5000 |
| FVH  | (80°-90°)   | 702.6  | 9.0       |                         |         | G4/750  |
| BL   | (0°-30°)    | 421.8  | 5.4       | B1/500                  |         |         |
| BM   | (30°-60°)   | 430.8  | 5.5       | B1/1000                 |         |         |
| BH   | (60°-80°)   | 143.9  | 1.8       | B1/500                  |         | G1/500  |
| BVH  | (80°-90°)   | 23.6   | 0.3       |                         |         | G1/100  |
| UL   | (90°-100°)  | 368.2  | 4.7       |                         | U3/500  |         |
| UH   | (100°-180°) | 780.6  | 10.0      |                         | U4/1000 |         |

**BUG Rating: B1-U4-G4**

Type IV Short



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CATALOG NUMBER: AXCL6ARL

**CANDELA DISTRIBUTION (FULL):**

|        | 0°     | 5°     | 15°    | 17°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 |
| 2.5°   | 1848.4 | 1845.3 | 1840.8 | 1838.5 | 1833.1 | 1827.3 | 1819.2 | 1806.1 | 1794.4 | 1777.8 | 1766.5 |
| 5°     | 1927.7 | 1928.6 | 1920.9 | 1920.0 | 1905.6 | 1893.5 | 1870.5 | 1848.9 | 1826.8 | 1794.9 | 1767.9 |
| 7.5°   | 2011.9 | 2006.5 | 1998.8 | 1997.5 | 1980.8 | 1959.2 | 1930.8 | 1889.4 | 1849.8 | 1806.6 | 1763.8 |
| 10°    | 2069.5 | 2066.3 | 2057.8 | 2054.6 | 2042.5 | 2017.3 | 1977.2 | 1928.6 | 1872.8 | 1811.5 | 1753.9 |
| 12.5°  | 2110.0 | 2106.4 | 2097.4 | 2095.6 | 2081.2 | 2055.1 | 2014.6 | 1958.7 | 1890.3 | 1809.7 | 1736.8 |
| 15°    | 2144.2 | 2140.2 | 2129.8 | 2127.6 | 2107.3 | 2080.3 | 2036.6 | 1977.6 | 1900.2 | 1804.3 | 1715.2 |
| 17.5°  | 2179.3 | 2174.8 | 2161.8 | 2157.3 | 2134.8 | 2098.3 | 2046.1 | 1984.4 | 1902.9 | 1793.1 | 1689.1 |
| 20°    | 2210.8 | 2205.9 | 2191.5 | 2187.4 | 2158.2 | 2113.6 | 2049.7 | 1982.1 | 1897.5 | 1776.9 | 1655.3 |
| 22.5°  | 2231.5 | 2227.0 | 2211.3 | 2208.6 | 2177.1 | 2124.4 | 2051.0 | 1971.3 | 1883.6 | 1754.4 | 1615.7 |
| 25°    | 2241.4 | 2236.9 | 2222.5 | 2218.5 | 2184.7 | 2128.9 | 2047.9 | 1956.5 | 1861.0 | 1724.2 | 1571.6 |
| 27.5°  | 2244.1 | 2240.1 | 2223.9 | 2219.4 | 2183.4 | 2124.0 | 2039.3 | 1937.6 | 1829.1 | 1687.7 | 1521.6 |
| 30°    | 2239.6 | 2235.6 | 2218.9 | 2213.5 | 2173.9 | 2110.9 | 2021.3 | 1910.6 | 1790.4 | 1647.2 | 1468.9 |
| 32.5°  | 2233.3 | 2228.4 | 2207.2 | 2200.9 | 2156.8 | 2090.6 | 1993.8 | 1876.8 | 1746.7 | 1601.3 | 1405.9 |
| 35°    | 2223.4 | 2217.6 | 2191.9 | 2184.7 | 2136.6 | 2061.4 | 1960.5 | 1839.0 | 1703.5 | 1549.1 | 1347.8 |
| 37.5°  | 2225.7 | 2218.5 | 2186.5 | 2176.2 | 2116.7 | 2027.2 | 1924.1 | 1798.0 | 1655.8 | 1497.7 | 1285.3 |
| 40°    | 2219.4 | 2211.3 | 2173.5 | 2163.6 | 2102.3 | 1996.1 | 1874.6 | 1751.2 | 1611.2 | 1445.1 | 1227.6 |
| 42.5°  | 2224.3 | 2216.2 | 2171.2 | 2156.8 | 2078.9 | 1958.7 | 1829.1 | 1706.2 | 1555.8 | 1390.2 | 1156.5 |
| 45°    | 2235.6 | 2225.7 | 2173.5 | 2156.4 | 2062.3 | 1919.1 | 1787.2 | 1656.2 | 1507.7 | 1325.3 | 1092.1 |
| 47.5°  | 2233.8 | 2226.6 | 2174.8 | 2160.0 | 2055.5 | 1888.5 | 1741.7 | 1611.6 | 1446.9 | 1263.7 | 1024.6 |
| 50°    | 2264.0 | 2250.0 | 2185.6 | 2168.5 | 2052.8 | 1869.1 | 1702.6 | 1564.8 | 1385.7 | 1186.7 | 955.7  |
| 52.5°  | 2312.1 | 2296.8 | 2222.1 | 2199.6 | 2073.1 | 1858.8 | 1665.7 | 1516.2 | 1333.4 | 1120.9 | 891.8  |
| 55°    | 2410.7 | 2387.8 | 2304.9 | 2279.7 | 2128.9 | 1873.2 | 1630.1 | 1471.2 | 1278.5 | 1062.4 | 818.0  |
| 57.5°  | 2527.8 | 2524.2 | 2408.0 | 2377.9 | 2213.5 | 1911.5 | 1629.7 | 1415.8 | 1233.5 | 1001.2 | 761.7  |
| 60°    | 2693.0 | 2681.3 | 2585.4 | 2555.7 | 2362.1 | 1992.9 | 1665.2 | 1378.0 | 1192.1 | 951.7  | 709.0  |
| 62.5°  | 2816.3 | 2793.8 | 2693.9 | 2671.8 | 2532.3 | 2137.5 | 1724.2 | 1375.3 | 1146.2 | 910.7  | 655.9  |
| 65°    | 2997.3 | 2969.8 | 2877.6 | 2851.0 | 2673.2 | 2313.0 | 1853.4 | 1403.2 | 1089.4 | 879.7  | 616.7  |
| 67.5°  | 3189.5 | 3175.1 | 3106.7 | 3082.8 | 2964.0 | 2572.3 | 2033.9 | 1490.1 | 1047.6 | 858.0  | 574.4  |
| 70°    | 3391.2 | 3383.1 | 3362.8 | 3366.9 | 3302.1 | 2890.6 | 2303.6 | 1656.2 | 1064.7 | 843.6  | 541.1  |
| 72.5°  | 3491.1 | 3483.5 | 3547.9 | 3568.1 | 3547.4 | 3078.8 | 2483.6 | 1880.4 | 1129.1 | 784.7  | 519.1  |
| 75°    | 3555.5 | 3568.1 | 3648.3 | 3664.0 | 3552.4 | 3009.9 | 2399.0 | 1785.4 | 1180.4 | 696.4  | 502.0  |
| 77.5°  | 3598.7 | 3606.4 | 3641.1 | 3622.2 | 3371.4 | 2733.5 | 2168.5 | 1608.5 | 1089.0 | 633.0  | 479.0  |
| 80°    | 3564.1 | 3565.4 | 3529.0 | 3468.2 | 3060.8 | 2404.4 | 1786.8 | 1294.7 | 927.8  | 540.2  | 409.7  |
| 82.5°  | 3345.3 | 3312.4 | 3071.1 | 2944.2 | 2462.5 | 1792.2 | 1194.8 | 907.1  | 755.0  | 484.4  | 280.5  |
| 85°    | 2712.3 | 2681.7 | 2221.2 | 2123.5 | 1749.9 | 1288.0 | 976.9  | 797.7  | 669.9  | 471.8  | 179.2  |
| 87.5°  | 1910.1 | 1883.1 | 1647.7 | 1575.6 | 1380.3 | 1075.9 | 876.1  | 729.3  | 603.7  | 439.4  | 109.4  |
| 90°    | 1513.1 | 1482.0 | 1330.3 | 1296.1 | 1166.4 | 962.0  | 791.4  | 658.6  | 539.3  | 373.2  | 90.0   |
| 92.5°  | 1257.4 | 1238.4 | 1142.6 | 1128.2 | 1034.1 | 872.9  | 727.9  | 601.4  | 476.3  | 294.4  | 80.6   |
| 95°    | 1066.5 | 1062.9 | 992.2  | 986.8  | 934.1  | 807.2  | 676.6  | 564.5  | 413.7  | 223.7  | 77.0   |
| 97.5°  | 939.1  | 927.8  | 888.2  | 895.0  | 862.1  | 743.2  | 623.9  | 528.1  | 352.0  | 182.3  | 81.5   |
| 100°   | 843.6  | 838.2  | 809.4  | 819.8  | 793.2  | 696.4  | 586.6  | 480.3  | 307.9  | 156.2  | 86.9   |
| 102.5° | 779.3  | 774.3  | 755.4  | 768.5  | 745.0  | 650.1  | 551.0  | 435.8  | 277.8  | 153.1  | 91.4   |
| 105°   | 726.1  | 723.0  | 714.4  | 727.5  | 705.0  | 603.7  | 507.4  | 400.2  | 251.2  | 154.9  | 95.0   |
| 107.5° | 674.4  | 669.0  | 655.5  | 664.0  | 634.8  | 555.5  | 461.9  | 366.9  | 242.6  | 158.0  | 96.8   |
| 110°   | 605.5  | 605.5  | 605.0  | 613.1  | 590.6  | 516.8  | 426.3  | 329.1  | 241.3  | 159.4  | 96.8   |



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**CANDELA DISTRIBUTION (continued):**

|        | 0°    | 5°    | 15°   | 17°   | 25°   | 35°   | 45°   | 55°   | 65°   | 75°   | 85°  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 112.5° | 573.5 | 570.8 | 569.9 | 575.3 | 546.5 | 474.9 | 402.5 | 303.9 | 224.6 | 158.0 | 94.1 |
| 115°   | 541.1 | 538.0 | 539.3 | 539.8 | 511.4 | 440.3 | 370.0 | 290.4 | 211.6 | 152.6 | 89.1 |
| 117.5° | 512.8 | 511.0 | 511.0 | 510.5 | 473.6 | 413.7 | 333.1 | 276.0 | 201.2 | 142.7 | 82.8 |
| 120°   | 478.1 | 475.8 | 473.1 | 473.1 | 442.1 | 376.4 | 314.2 | 247.1 | 188.6 | 136.0 | 77.0 |
| 122.5° | 444.3 | 442.1 | 436.2 | 436.2 | 402.9 | 339.9 | 303.0 | 237.7 | 185.0 | 128.3 | 71.6 |
| 125°   | 412.8 | 411.0 | 406.1 | 403.4 | 367.3 | 344.8 | 279.6 | 230.0 | 178.7 | 124.2 | 66.2 |
| 127.5° | 388.5 | 385.4 | 376.8 | 374.6 | 375.0 | 339.0 | 277.3 | 221.9 | 180.5 | 118.4 | 61.2 |
| 130°   | 406.5 | 399.8 | 399.3 | 398.4 | 380.9 | 326.4 | 287.2 | 235.0 | 180.1 | 114.8 | 56.3 |
| 132.5° | 417.3 | 415.1 | 404.7 | 401.6 | 374.1 | 347.5 | 281.8 | 236.3 | 178.7 | 109.8 | 51.3 |
| 135°   | 419.6 | 417.3 | 407.0 | 406.5 | 396.6 | 348.0 | 305.7 | 244.9 | 174.7 | 103.5 | 46.4 |
| 137.5° | 441.2 | 440.7 | 437.1 | 435.3 | 402.0 | 353.8 | 303.9 | 239.0 | 164.8 | 94.1  | 42.3 |
| 140°   | 433.1 | 431.3 | 416.4 | 412.8 | 388.1 | 353.4 | 292.6 | 220.6 | 143.2 | 81.5  | 38.7 |
| 142.5° | 348.9 | 350.7 | 343.9 | 346.2 | 322.8 | 272.8 | 235.9 | 175.1 | 120.6 | 71.6  | 35.6 |
| 145°   | 271.5 | 271.5 | 258.4 | 252.6 | 236.8 | 221.0 | 189.1 | 143.2 | 104.0 | 64.8  | 32.4 |
| 147.5° | 206.6 | 206.2 | 210.2 | 211.6 | 197.2 | 175.6 | 148.1 | 122.4 | 89.1  | 59.0  | 28.4 |
| 150°   | 182.8 | 180.5 | 171.1 | 170.6 | 167.5 | 148.1 | 131.9 | 112.1 | 80.6  | 53.1  | 25.7 |
| 152.5° | 161.2 | 162.1 | 157.6 | 155.3 | 144.1 | 135.1 | 121.1 | 97.7  | 73.8  | 46.8  | 22.5 |
| 155°   | 136.9 | 137.3 | 135.5 | 136.0 | 132.8 | 121.5 | 103.5 | 84.2  | 65.3  | 41.4  | 20.7 |
| 157.5° | 123.8 | 123.3 | 119.7 | 119.7 | 118.8 | 103.1 | 86.9  | 74.7  | 55.4  | 36.0  | 19.8 |
| 160°   | 108.9 | 108.5 | 104.4 | 101.7 | 95.4  | 83.3  | 74.3  | 59.9  | 47.3  | 31.1  | 18.9 |
| 162.5° | 84.6  | 83.7  | 80.6  | 79.2  | 75.6  | 70.7  | 60.3  | 49.5  | 37.8  | 25.7  | 16.2 |
| 165°   | 69.8  | 69.8  | 68.0  | 68.4  | 63.9  | 54.9  | 48.2  | 39.2  | 29.7  | 19.4  | 13.1 |
| 167.5° | 53.6  | 52.7  | 51.8  | 50.9  | 48.2  | 43.7  | 36.9  | 30.2  | 21.2  | 13.5  | 9.5  |
| 170°   | 41.0  | 41.0  | 39.6  | 39.2  | 36.5  | 32.9  | 27.0  | 19.4  | 14.0  | 7.7   | 6.3  |
| 172.5° | 28.8  | 29.3  | 27.9  | 27.5  | 25.7  | 20.3  | 15.8  | 11.3  | 7.7   | 5.4   | 4.1  |
| 175°   | 14.4  | 13.5  | 10.4  | 10.4  | 9.0   | 8.1   | 6.3   | 5.0   | 4.1   | 3.6   | 3.2  |
| 177.5° | 2.3   | 1.8   | 2.3   | 2.3   | 2.7   | 3.2   | 3.2   | 3.6   | 3.2   | 3.2   | 2.7  |
| 180°   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4   | 1.4  |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°    | 95°    | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°     | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 | 1761.1 |
| 2.5°   | 1758.9 | 1750.8 | 1735.0 | 1721.5 | 1708.9 | 1695.8 | 1686.8 | 1676.5 | 1664.3 | 1661.6 | 1664.3 |
| 5°     | 1752.6 | 1736.3 | 1705.7 | 1675.1 | 1643.2 | 1620.6 | 1594.5 | 1577.0 | 1562.1 | 1555.4 | 1553.1 |
| 7.5°   | 1740.4 | 1717.4 | 1668.8 | 1622.4 | 1575.2 | 1532.9 | 1494.1 | 1468.0 | 1441.9 | 1433.8 | 1437.0 |
| 10°    | 1723.7 | 1690.4 | 1625.6 | 1562.6 | 1495.5 | 1436.5 | 1386.6 | 1339.3 | 1311.4 | 1292.5 | 1290.7 |
| 12.5°  | 1698.1 | 1658.0 | 1574.7 | 1492.8 | 1408.6 | 1331.2 | 1261.4 | 1210.1 | 1163.7 | 1147.5 | 1135.8 |
| 15°    | 1668.4 | 1619.3 | 1520.3 | 1413.6 | 1310.0 | 1220.0 | 1127.7 | 1058.4 | 996.2  | 974.6  | 960.2  |
| 17.5°  | 1632.8 | 1576.1 | 1456.8 | 1333.0 | 1206.5 | 1087.2 | 981.8  | 878.3  | 818.0  | 776.1  | 782.0  |
| 20°    | 1593.2 | 1528.4 | 1392.0 | 1244.7 | 1093.9 | 946.3  | 817.5  | 712.2  | 637.0  | 597.4  | 589.3  |
| 22.5°  | 1545.9 | 1473.9 | 1315.9 | 1149.8 | 977.8  | 803.1  | 654.6  | 539.8  | 459.2  | 426.8  | 418.2  |
| 25°    | 1497.3 | 1413.1 | 1238.0 | 1049.8 | 848.6  | 658.2  | 502.4  | 390.8  | 331.3  | 303.0  | 300.3  |
| 27.5°  | 1437.0 | 1351.4 | 1155.6 | 948.5  | 718.9  | 521.8  | 375.5  | 288.6  | 243.1  | 232.7  | 229.1  |
| 30°    | 1374.9 | 1280.3 | 1071.4 | 837.3  | 600.5  | 410.1  | 282.7  | 226.4  | 215.2  | 217.0  | 216.5  |
| 32.5°  | 1307.8 | 1206.5 | 978.2  | 729.7  | 482.6  | 312.4  | 222.4  | 213.4  | 218.8  | 228.7  | 230.5  |
| 35°    | 1242.5 | 1135.8 | 895.4  | 621.2  | 387.6  | 244.4  | 202.1  | 219.2  | 240.8  | 258.4  | 264.3  |
| 37.5°  | 1177.2 | 1059.3 | 803.1  | 526.3  | 311.5  | 204.8  | 204.4  | 239.9  | 311.1  | 385.8  | 401.1  |
| 40°    | 1106.1 | 989.9  | 715.3  | 438.9  | 253.0  | 188.2  | 219.2  | 307.0  | 440.3  | 480.8  | 481.7  |
| 42.5°  | 1039.9 | 910.3  | 633.4  | 367.8  | 211.6  | 189.5  | 239.9  | 420.0  | 461.9  | 463.7  | 461.0  |
| 45°    | 967.9  | 843.2  | 553.7  | 302.1  | 183.2  | 196.3  | 313.3  | 434.9  | 428.6  | 375.5  | 364.6  |
| 47.5°  | 902.2  | 769.8  | 482.1  | 252.1  | 169.7  | 205.7  | 389.0  | 406.5  | 303.9  | 289.5  | 288.6  |
| 50°    | 826.5  | 701.4  | 415.5  | 211.6  | 166.6  | 224.2  | 377.3  | 301.2  | 285.0  | 266.1  | 263.4  |
| 52.5°  | 765.3  | 631.6  | 352.0  | 183.2  | 166.1  | 268.8  | 340.3  | 281.8  | 254.8  | 242.2  | 241.7  |
| 55°    | 697.3  | 570.4  | 291.7  | 161.2  | 165.2  | 310.6  | 253.9  | 261.1  | 231.4  | 226.4  | 223.3  |
| 57.5°  | 628.5  | 499.7  | 241.7  | 145.0  | 163.9  | 287.7  | 238.1  | 230.9  | 211.6  | 196.3  | 195.4  |
| 60°    | 581.2  | 439.8  | 195.4  | 132.8  | 164.3  | 252.1  | 230.9  | 205.7  | 182.8  | 172.4  | 170.2  |
| 62.5°  | 520.9  | 388.5  | 160.3  | 124.7  | 165.2  | 199.0  | 216.5  | 181.4  | 159.4  | 150.8  | 149.0  |
| 65°    | 471.8  | 334.9  | 136.4  | 117.0  | 170.2  | 167.0  | 196.3  | 156.2  | 139.1  | 130.6  | 129.7  |
| 67.5°  | 427.2  | 286.3  | 115.7  | 110.7  | 174.2  | 157.1  | 174.2  | 136.0  | 120.2  | 113.9  | 112.1  |
| 70°    | 383.6  | 242.2  | 99.9   | 103.5  | 158.0  | 146.8  | 153.1  | 116.6  | 104.4  | 99.0   | 98.6   |
| 72.5°  | 348.9  | 201.2  | 85.5   | 95.9   | 135.1  | 136.9  | 129.2  | 100.4  | 89.6   | 83.7   | 83.7   |
| 75°    | 313.8  | 163.9  | 72.5   | 88.7   | 116.6  | 126.1  | 107.6  | 82.8   | 74.3   | 70.2   | 69.8   |
| 77.5°  | 277.8  | 118.4  | 63.0   | 84.6   | 103.1  | 114.3  | 90.5   | 68.0   | 60.8   | 57.6   | 58.1   |
| 80°    | 217.0  | 79.2   | 55.4   | 80.1   | 97.7   | 97.2   | 71.6   | 53.1   | 47.7   | 46.4   | 46.8   |
| 82.5°  | 146.3  | 50.0   | 46.8   | 65.7   | 85.1   | 79.7   | 51.8   | 39.6   | 35.1   | 34.2   | 33.8   |
| 85°    | 86.9   | 35.1   | 39.6   | 52.7   | 65.3   | 55.8   | 35.6   | 27.9   | 23.9   | 21.2   | 21.2   |
| 87.5°  | 50.9   | 29.3   | 32.9   | 46.8   | 45.5   | 34.7   | 23.0   | 16.7   | 12.2   | 9.9    | 9.5    |
| 90°    | 36.0   | 28.8   | 29.7   | 46.8   | 34.7   | 23.0   | 13.5   | 5.4    | 0.0    | 0.0    | 0.0    |
| 92.5°  | 36.9   | 32.0   | 31.5   | 50.0   | 34.7   | 22.5   | 13.1   | 5.4    | 0.0    | 0.0    | 0.0    |
| 95°    | 47.7   | 36.9   | 35.1   | 47.3   | 36.0   | 23.9   | 14.0   | 6.8    | 0.0    | 0.0    | 0.0    |
| 97.5°  | 56.7   | 41.9   | 38.7   | 45.0   | 36.9   | 24.8   | 14.4   | 6.3    | 0.0    | 0.0    | 0.0    |
| 100°   | 62.6   | 47.3   | 40.1   | 43.7   | 38.3   | 26.1   | 14.9   | 6.3    | 0.0    | 0.0    | 0.0    |
| 102.5° | 68.0   | 52.7   | 42.8   | 44.6   | 40.1   | 26.6   | 15.3   | 6.8    | 0.0    | 0.0    | 0.0    |
| 105°   | 71.6   | 57.2   | 46.4   | 45.5   | 41.0   | 27.0   | 15.8   | 6.8    | 0.5    | 0.0    | 0.0    |
| 107.5° | 72.9   | 59.4   | 49.5   | 45.0   | 43.2   | 27.0   | 15.3   | 6.8    | 0.5    | 0.0    | 0.0    |
| 110°   | 72.9   | 60.3   | 51.8   | 46.4   | 44.6   | 27.5   | 15.3   | 6.8    | 0.5    | 0.0    | 0.0    |



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**CANDELA DISTRIBUTION (continued):**

|        | 90°  | 95°  | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 70.2 | 59.4 | 51.8 | 47.3 | 42.3 | 28.4 | 14.9 | 6.3  | 0.5  | 0.0  | 0.0  |
| 115°   | 67.1 | 57.6 | 50.9 | 50.0 | 39.6 | 27.9 | 14.4 | 6.3  | 0.5  | 0.0  | 0.0  |
| 117.5° | 62.6 | 54.9 | 49.5 | 50.9 | 37.8 | 26.6 | 14.0 | 5.9  | 0.5  | 0.0  | 0.0  |
| 120°   | 57.6 | 51.8 | 47.3 | 50.4 | 37.4 | 24.3 | 13.1 | 5.4  | 0.0  | 0.0  | 0.0  |
| 122.5° | 53.1 | 47.7 | 44.6 | 47.7 | 36.5 | 22.5 | 12.2 | 4.5  | 0.0  | 0.0  | 0.0  |
| 125°   | 48.6 | 43.7 | 41.0 | 45.0 | 34.7 | 21.2 | 10.8 | 4.1  | 0.0  | 0.0  | 0.0  |
| 127.5° | 44.6 | 40.1 | 37.4 | 42.8 | 31.5 | 19.8 | 9.5  | 3.2  | 0.0  | 0.0  | 0.0  |
| 130°   | 40.5 | 36.0 | 34.2 | 39.2 | 27.5 | 18.5 | 8.6  | 2.3  | 0.0  | 0.0  | 0.0  |
| 132.5° | 36.9 | 32.9 | 31.1 | 36.0 | 24.8 | 17.6 | 7.2  | 1.8  | 0.0  | 0.0  | 0.0  |
| 135°   | 33.8 | 30.6 | 28.4 | 32.4 | 22.1 | 16.2 | 6.8  | 1.4  | 0.0  | 0.0  | 0.0  |
| 137.5° | 31.1 | 28.8 | 27.5 | 29.3 | 18.9 | 14.9 | 5.9  | 0.9  | 0.0  | 0.0  | 0.0  |
| 140°   | 29.3 | 27.0 | 27.5 | 25.7 | 17.1 | 13.5 | 5.0  | 0.9  | 0.0  | 0.0  | 0.0  |
| 142.5° | 27.5 | 25.7 | 27.0 | 22.5 | 15.3 | 11.7 | 4.1  | 0.5  | 0.0  | 0.0  | 0.0  |
| 145°   | 25.2 | 24.3 | 26.1 | 18.9 | 13.5 | 10.4 | 3.6  | 0.5  | 0.0  | 0.0  | 0.0  |
| 147.5° | 23.4 | 23.0 | 24.8 | 15.8 | 11.7 | 9.0  | 2.7  | 0.0  | 0.0  | 0.0  | 0.0  |
| 150°   | 22.1 | 22.5 | 22.5 | 13.1 | 10.4 | 7.7  | 2.3  | 0.0  | 0.0  | 0.0  | 0.0  |
| 152.5° | 20.7 | 21.2 | 19.8 | 10.8 | 8.6  | 6.3  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  |
| 155°   | 19.4 | 19.8 | 17.1 | 9.5  | 7.2  | 5.0  | 1.4  | 0.0  | 0.0  | 0.0  | 0.0  |
| 157.5° | 18.5 | 18.5 | 14.9 | 8.1  | 5.4  | 3.6  | 0.9  | 0.0  | 0.0  | 0.0  | 0.0  |
| 160°   | 17.6 | 17.1 | 12.6 | 6.8  | 4.5  | 2.3  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  |
| 162.5° | 15.8 | 14.0 | 10.4 | 5.9  | 3.6  | 1.8  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  |
| 165°   | 12.2 | 10.8 | 7.7  | 4.5  | 2.3  | 0.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 167.5° | 8.6  | 7.7  | 5.0  | 3.2  | 1.8  | 0.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 170°   | 5.9  | 5.0  | 3.2  | 2.3  | 1.4  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 172.5° | 3.6  | 3.2  | 2.3  | 1.8  | 0.9  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 175°   | 3.2  | 2.7  | 1.8  | 1.4  | 0.9  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 177.5° | 2.3  | 2.3  | 1.4  | 0.9  | 0.5  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  | 0.0  |
| 180°   | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  | 1.4  |

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