

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: STREETWORKS

Report Number: P1210678

Luminaire Tested: **ARCH3-40-722-U-T3RE-HSS**

Issue Date: 11/5/2025

### Test Information

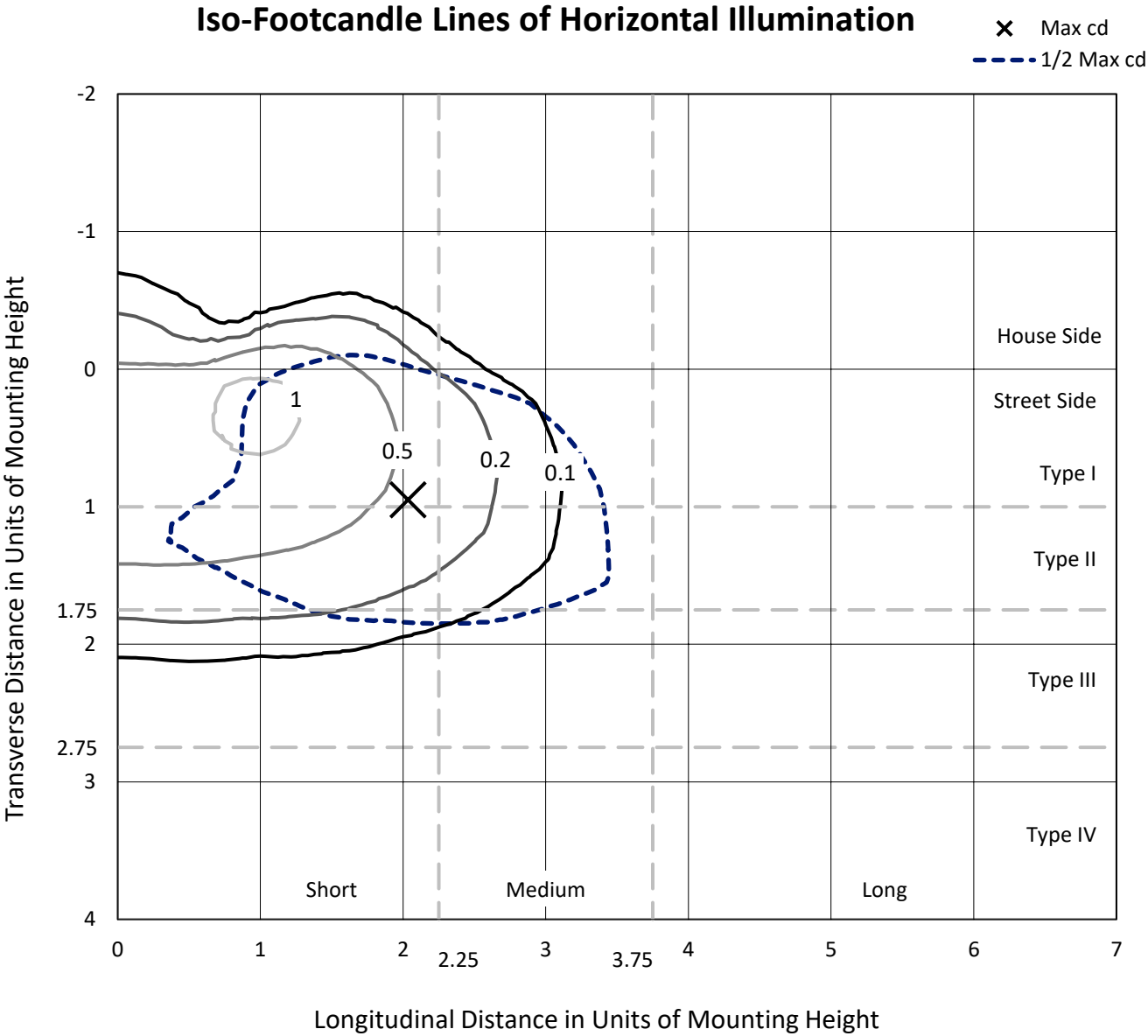
Test Method: LM-79-08  
Report Number: P1210678  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/5/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH3-40-722-U-T3RE-HSS  
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 2200K, 345mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY  
ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 4378 lumens  
Efficiency: N/A  
Efficacy: 100.4 lumens/watt  
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 43.6  
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: 24 FT

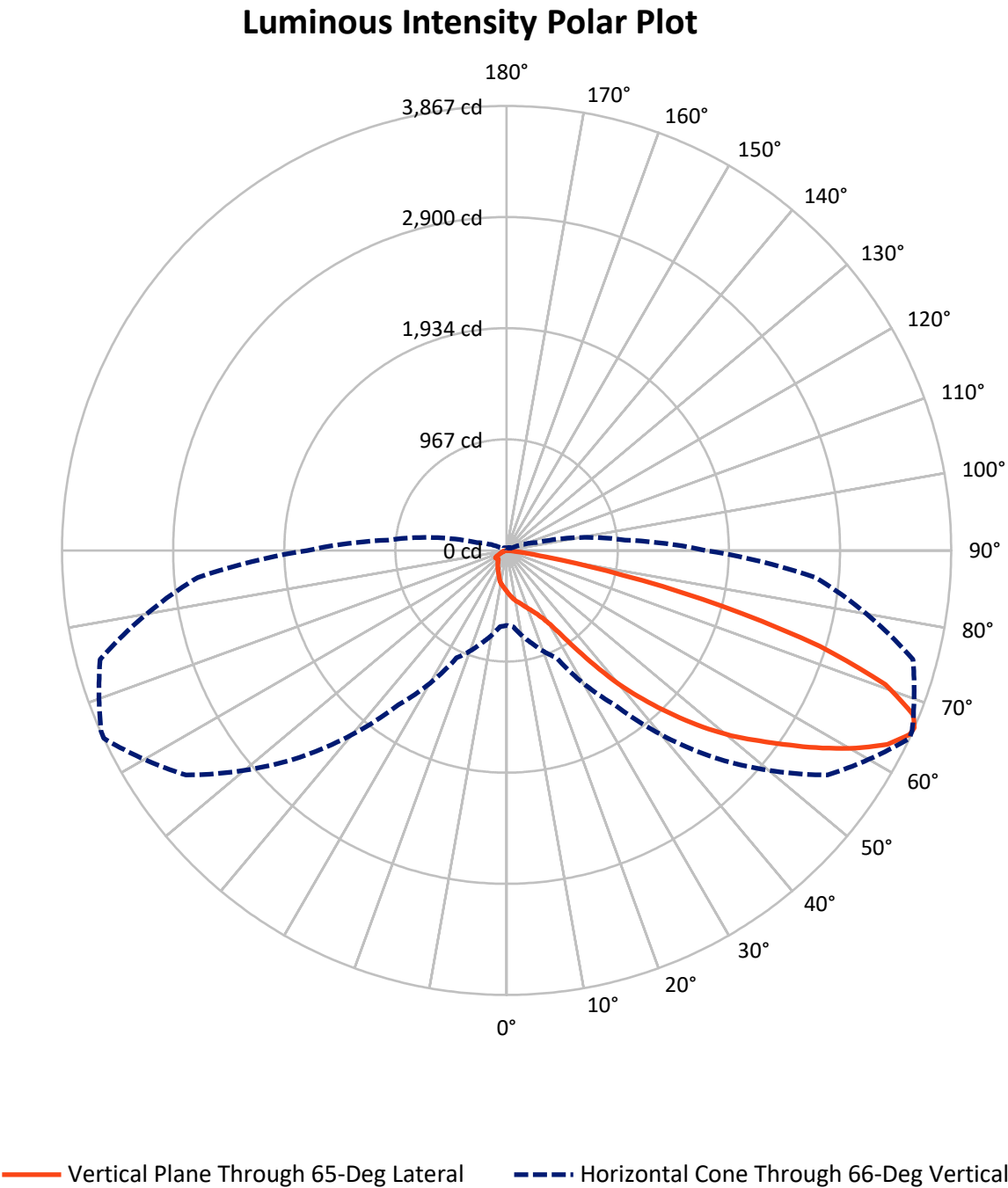


REPORT NUMBER: P1210678  
CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc  
Type III - Short - N/A

REPORT NUMBER: P1210678  
CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS



REPORT NUMBER: P1210678

CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 516.7    | 0.0    | 516.7  |
|                    | % Fixture | 11.8     | 0.0    | 11.8   |
| <b>Street Side</b> | Lumens    | 3861.3   | 0.0    | 3861.3 |
|                    | % Fixture | 88.2     | 0.0    | 88.2   |
| <b>Total</b>       | Lumens    | 4378.0   | 0.0    | 4378.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 33.8   | 0.8       |
| 10°-20°   | 100.1  | 2.3       |
| 20°-30°   | 183.2  | 4.2       |
| 30°-40°   | 372.3  | 8.5       |
| 40°-50°   | 786.2  | 18.0      |
| 50°-60°   | 1208.6 | 27.6      |
| 60°-70°   | 1216.5 | 27.8      |
| 70°-80°   | 454.6  | 10.4      |
| 80°-90°   | 22.7   | 0.5       |
| 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°    | 4378.0 | 100.0     |
| 0°-180°   | 4378.0 | 100.0     |

**Coefficient of Utilization**



REPORT NUMBER: P1210678

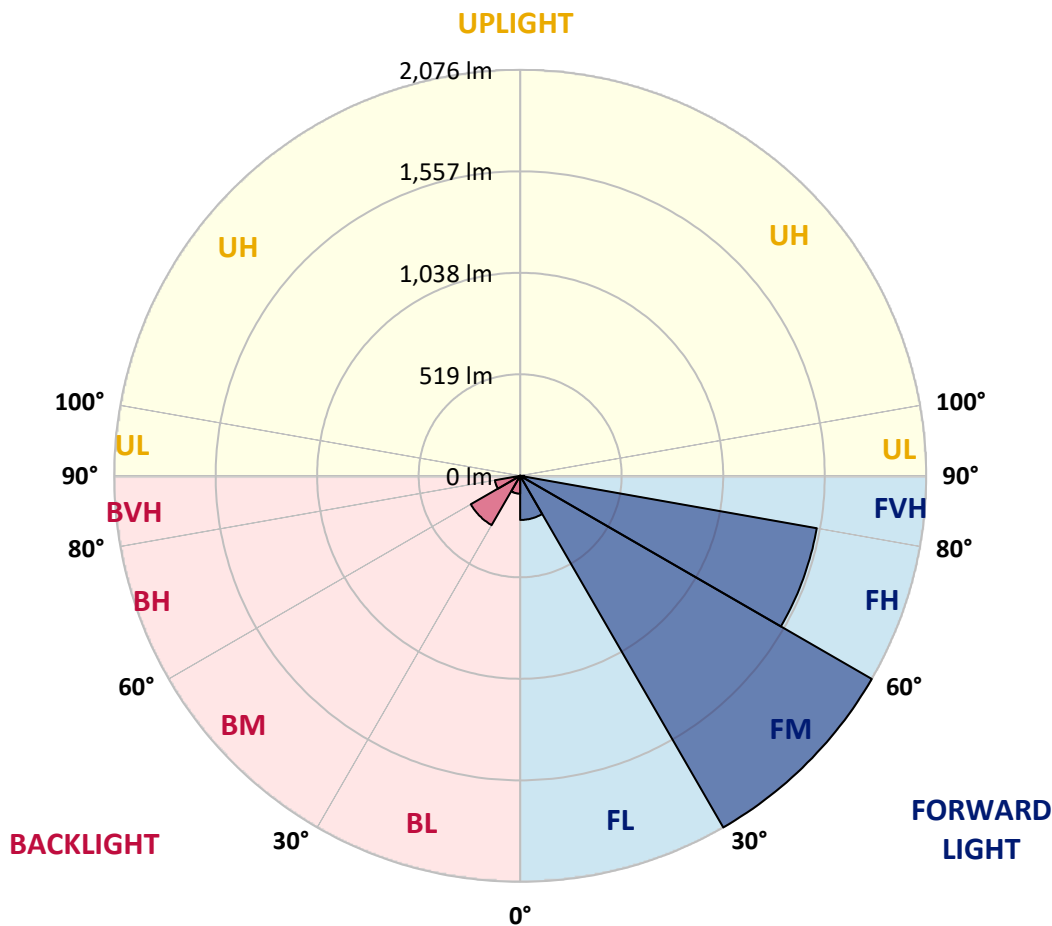
CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 225.7  | 5.2       |                         |      |         |
| FM   | (30°-60°)   | 2075.7 | 47.4      |                         |      |         |
| FH   | (60°-80°)   | 1539.8 | 35.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 20.0   | 0.5       |                         |      | G1/100  |
| BL   | (0°-30°)    | 91.5   | 2.1       | B0/110                  |      |         |
| BM   | (30°-60°)   | 291.3  | 6.7       | B1/1000                 |      |         |
| BH   | (60°-80°)   | 131.3  | 3.0       | B1/500                  |      | G1/500  |
| BVH  | (80°-90°)   | 2.7    | 0.1       |                         |      | G0/10   |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short



REPORT NUMBER: P1210678

CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 66°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  | 356.7  |
| 2.5°  | 406.7  | 407.5  | 405.9  | 402.8  | 399.6  | 395.6  | 389.3  | 378.9  | 377.3  | 370.2  | 362.2  |
| 5°    | 434.5  | 436.1  | 433.7  | 432.9  | 431.4  | 425.8  | 417.1  | 402.0  | 400.4  | 386.1  | 367.8  |
| 7.5°  | 444.1  | 446.5  | 444.9  | 444.9  | 444.9  | 442.5  | 438.5  | 425.0  | 422.6  | 404.3  | 376.5  |
| 10°   | 451.2  | 452.8  | 452.0  | 455.2  | 457.6  | 456.0  | 453.6  | 445.7  | 443.3  | 425.0  | 388.5  |
| 12.5° | 462.3  | 463.1  | 463.9  | 465.5  | 469.5  | 471.1  | 470.3  | 463.1  | 461.5  | 448.8  | 403.6  |
| 15°   | 472.7  | 472.7  | 473.5  | 480.6  | 486.2  | 489.3  | 490.1  | 484.6  | 483.0  | 472.7  | 422.6  |
| 17.5° | 482.2  | 483.0  | 485.4  | 493.3  | 502.9  | 509.2  | 513.2  | 510.8  | 508.4  | 500.5  | 444.9  |
| 20°   | 496.5  | 498.1  | 500.5  | 511.6  | 521.1  | 531.5  | 539.4  | 538.6  | 537.8  | 532.2  | 471.1  |
| 22.5° | 521.1  | 522.7  | 526.7  | 537.0  | 546.5  | 559.3  | 572.8  | 572.0  | 569.6  | 565.6  | 502.1  |
| 25°   | 558.5  | 558.5  | 560.8  | 569.6  | 581.5  | 596.6  | 609.3  | 611.7  | 609.3  | 606.9  | 541.0  |
| 27.5° | 605.3  | 606.1  | 606.1  | 615.7  | 626.8  | 645.8  | 661.7  | 664.1  | 664.1  | 661.7  | 593.4  |
| 30°   | 670.5  | 668.1  | 666.5  | 674.4  | 686.4  | 714.2  | 742.0  | 746.7  | 744.3  | 748.3  | 667.3  |
| 32.5° | 782.5  | 778.5  | 765.0  | 766.6  | 773.7  | 811.9  | 858.7  | 875.4  | 874.6  | 881.8  | 786.5  |
| 35°   | 937.4  | 929.4  | 909.6  | 892.9  | 892.1  | 933.4  | 1004.9 | 1067.7 | 1066.9 | 1091.5 | 967.6  |
| 37.5° | 1112.2 | 1122.5 | 1085.1 | 1056.5 | 1047.8 | 1080.4 | 1172.5 | 1308.4 | 1315.5 | 1358.4 | 1205.1 |
| 40°   | 1345.7 | 1352.1 | 1304.4 | 1263.9 | 1222.6 | 1234.5 | 1356.0 | 1567.3 | 1580.1 | 1627.7 | 1442.6 |
| 42.5° | 1549.1 | 1555.4 | 1527.6 | 1478.4 | 1425.9 | 1403.7 | 1541.1 | 1802.5 | 1812.8 | 1878.7 | 1687.3 |
| 45°   | 1687.3 | 1692.1 | 1701.6 | 1706.4 | 1646.8 | 1600.7 | 1767.5 | 2044.0 | 2056.7 | 2133.0 | 1926.4 |
| 47.5° | 1795.3 | 1799.3 | 1818.4 | 1866.0 | 1854.1 | 1817.6 | 1997.9 | 2295.0 | 2298.2 | 2383.2 | 2159.2 |
| 50°   | 1845.4 | 1854.9 | 1901.8 | 1974.9 | 2027.3 | 2037.6 | 2248.1 | 2532.5 | 2541.3 | 2622.3 | 2379.2 |
| 52.5° | 1789.8 | 1793.0 | 1911.3 | 2048.7 | 2154.4 | 2259.3 | 2499.2 | 2752.6 | 2778.0 | 2838.4 | 2577.0 |
| 55°   | 1602.3 | 1625.3 | 1804.9 | 2046.4 | 2254.5 | 2469.8 | 2767.7 | 2990.1 | 3013.1 | 3051.3 | 2751.0 |
| 57.5° | 1384.6 | 1410.1 | 1628.5 | 1943.9 | 2297.4 | 2664.4 | 3016.3 | 3242.7 | 3258.6 | 3268.9 | 2910.7 |
| 60°   | 1196.4 | 1220.2 | 1445.0 | 1747.7 | 2254.5 | 2801.8 | 3247.5 | 3493.8 | 3507.3 | 3479.5 | 2990.9 |
| 62.5° | 965.2  | 989.0  | 1215.4 | 1487.9 | 2086.1 | 2829.6 | 3419.1 | 3717.0 | 3722.5 | 3647.1 | 2941.6 |
| 65°   | 727.7  | 743.6  | 932.6  | 1166.2 | 1791.4 | 2681.9 | 3458.0 | 3856.0 | 3850.4 | 3695.5 | 2793.9 |
| 66°   | 652.2  | 665.7  | 832.5  | 1031.1 | 1638.0 | 2546.8 | 3405.6 | 3867.1 | 3861.6 | 3659.8 | 2697.0 |
| 67.5° | 562.4  | 566.4  | 703.8  | 843.6  | 1370.3 | 2260.1 | 3245.9 | 3816.3 | 3821.0 | 3561.3 | 2519.8 |
| 70°   | 439.3  | 438.5  | 517.9  | 587.1  | 935.8  | 1607.9 | 2707.3 | 3496.1 | 3519.2 | 3189.5 | 2148.8 |
| 72.5° | 281.2  | 271.7  | 317.8  | 359.1  | 545.0  | 933.4  | 1974.1 | 2849.5 | 2888.4 | 2505.5 | 1600.7 |
| 75°   | 167.6  | 158.1  | 169.2  | 179.5  | 261.4  | 448.8  | 1160.6 | 1939.1 | 1976.5 | 1606.3 | 952.5  |
| 77.5° | 125.5  | 121.5  | 122.3  | 113.6  | 116.0  | 168.4  | 529.9  | 1024.8 | 1051.8 | 657.8  | 361.5  |
| 80°   | 96.1   | 85.8   | 80.2   | 84.2   | 76.3   | 66.7   | 197.0  | 352.7  | 369.4  | 155.7  | 75.5   |
| 82.5° | 64.3   | 55.6   | 51.6   | 56.4   | 48.5   | 37.3   | 47.7   | 68.3   | 66.7   | 42.1   | 29.4   |
| 85°   | 33.4   | 28.6   | 28.6   | 28.6   | 24.6   | 18.3   | 20.7   | 27.8   | 27.8   | 22.2   | 17.5   |
| 87.5° | 9.5    | 8.7    | 10.3   | 9.5    | 7.1    | 7.1    | 7.9    | 9.5    | 9.5    | 8.7    | 7.9    |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

REPORT NUMBER: P1210678

CATALOG NUMBER: ARCH3-40-722-U-T3RE-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°    | 95°    | 105°  | 115°  | 125°  | 135°  | 145°  | 155°  | 165°  | 175°  | 180°  |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 356.7  | 356.7  | 356.7 | 356.7 | 356.7 | 356.7 | 356.7 | 356.7 | 356.7 | 356.7 | 356.7 |
| 2.5°  | 355.9  | 352.7  | 344.0 | 337.6 | 331.3 | 325.7 | 319.3 | 317.8 | 314.6 | 315.4 | 313.8 |
| 5°    | 358.3  | 349.5  | 334.4 | 320.1 | 309.0 | 299.5 | 287.6 | 282.8 | 276.4 | 274.1 | 272.5 |
| 7.5°  | 361.5  | 348.7  | 326.5 | 306.6 | 287.6 | 268.5 | 249.4 | 238.3 | 231.2 | 228.0 | 225.6 |
| 10°   | 368.6  | 351.9  | 322.5 | 291.5 | 259.0 | 232.0 | 212.9 | 205.0 | 200.2 | 199.4 | 198.6 |
| 12.5° | 378.1  | 356.7  | 318.6 | 272.5 | 229.6 | 204.2 | 192.2 | 189.9 | 189.1 | 189.1 | 188.3 |
| 15°   | 392.4  | 364.6  | 312.2 | 250.2 | 206.5 | 189.1 | 183.5 | 179.5 | 177.9 | 177.9 | 177.9 |
| 17.5° | 406.7  | 374.2  | 302.7 | 227.2 | 190.7 | 179.5 | 174.0 | 171.6 | 170.0 | 170.8 | 170.0 |
| 20°   | 425.0  | 385.3  | 290.0 | 207.3 | 180.3 | 171.6 | 166.0 | 163.6 | 162.9 | 162.9 | 162.9 |
| 22.5° | 445.7  | 398.0  | 274.1 | 192.2 | 171.6 | 163.6 | 158.1 | 155.7 | 154.1 | 154.9 | 154.9 |
| 25°   | 473.5  | 413.9  | 257.4 | 177.2 | 162.9 | 155.7 | 149.3 | 146.2 | 146.2 | 147.0 | 147.8 |
| 27.5° | 509.2  | 432.9  | 240.7 | 167.6 | 154.9 | 147.8 | 140.6 | 137.4 | 138.2 | 139.8 | 139.8 |
| 30°   | 561.6  | 459.2  | 224.0 | 157.3 | 146.2 | 138.2 | 131.9 | 128.7 | 130.3 | 133.5 | 133.5 |
| 32.5° | 636.3  | 502.1  | 209.7 | 145.4 | 133.5 | 124.7 | 118.4 | 116.0 | 120.0 | 126.3 | 126.3 |
| 35°   | 769.8  | 580.7  | 201.0 | 133.5 | 120.0 | 109.6 | 101.7 | 99.3  | 104.9 | 112.8 | 112.8 |
| 37.5° | 948.5  | 707.0  | 204.2 | 123.1 | 108.8 | 96.9  | 88.2  | 85.0  | 89.0  | 96.1  | 98.5  |
| 40°   | 1147.9 | 859.5  | 232.0 | 114.4 | 98.5  | 86.6  | 77.9  | 74.7  | 77.1  | 80.2  | 81.0  |
| 42.5° | 1347.3 | 1021.6 | 284.4 | 108.0 | 90.6  | 77.9  | 69.9  | 67.5  | 69.1  | 69.9  | 70.7  |
| 45°   | 1545.9 | 1182.1 | 350.3 | 104.1 | 83.4  | 70.7  | 62.8  | 62.8  | 63.6  | 63.6  | 63.6  |
| 47.5° | 1734.2 | 1338.6 | 419.4 | 103.3 | 77.1  | 63.6  | 57.2  | 58.0  | 58.0  | 58.8  | 58.8  |
| 50°   | 1912.1 | 1478.4 | 489.3 | 105.7 | 71.5  | 57.2  | 52.4  | 52.4  | 52.4  | 53.2  | 52.4  |
| 52.5° | 2060.7 | 1600.7 | 562.4 | 109.6 | 65.9  | 52.4  | 47.7  | 47.7  | 47.7  | 48.5  | 47.7  |
| 55°   | 2201.3 | 1711.9 | 637.1 | 115.2 | 61.2  | 48.5  | 43.7  | 42.1  | 42.1  | 42.9  | 42.1  |
| 57.5° | 2315.7 | 1785.8 | 707.8 | 116.0 | 57.2  | 44.5  | 40.5  | 38.1  | 38.1  | 38.1  | 38.1  |
| 60°   | 2320.4 | 1742.9 | 728.5 | 101.7 | 52.4  | 40.5  | 36.5  | 33.4  | 34.2  | 34.2  | 34.2  |
| 62.5° | 2168.7 | 1517.3 | 585.5 | 76.3  | 46.9  | 36.5  | 33.4  | 30.2  | 30.2  | 30.2  | 30.2  |
| 65°   | 1870.8 | 1180.5 | 343.2 | 60.4  | 40.5  | 32.6  | 29.4  | 27.0  | 27.0  | 27.0  | 26.2  |
| 66°   | 1731.0 | 1035.1 | 262.9 | 54.8  | 38.1  | 31.8  | 28.6  | 26.2  | 25.4  | 24.6  | 24.6  |
| 67.5° | 1503.0 | 818.2  | 164.4 | 48.5  | 35.0  | 29.4  | 26.2  | 23.8  | 23.0  | 22.2  | 22.2  |
| 70°   | 1132.0 | 519.5  | 80.2  | 37.3  | 30.2  | 25.4  | 23.0  | 20.7  | 19.9  | 19.1  | 18.3  |
| 72.5° | 794.4  | 304.3  | 42.1  | 28.6  | 24.6  | 22.2  | 19.9  | 17.5  | 16.7  | 15.9  | 15.9  |
| 75°   | 448.8  | 147.0  | 27.8  | 20.7  | 19.9  | 18.3  | 16.7  | 14.3  | 13.5  | 13.5  | 13.5  |
| 77.5° | 170.0  | 50.8   | 19.1  | 15.1  | 15.9  | 14.3  | 11.9  | 11.9  | 11.1  | 11.9  | 11.1  |
| 80°   | 44.5   | 22.2   | 11.9  | 11.1  | 11.9  | 10.3  | 8.7   | 9.5   | 9.5   | 9.5   | 9.5   |
| 82.5° | 23.8   | 12.7   | 7.1   | 7.9   | 7.1   | 7.1   | 5.6   | 6.4   | 7.1   | 6.4   | 7.1   |
| 85°   | 16.7   | 6.4    | 4.0   | 4.0   | 3.2   | 3.2   | 2.4   | 3.2   | 4.0   | 3.2   | 3.2   |
| 87.5° | 8.7    | 2.4    | 2.4   | 2.4   | 2.4   | 1.6   | 0.8   | 0.0   | 0.8   | 0.8   | 0.8   |
| 90°   | 0.0    | 0.0    | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)