

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: P239108

Luminaire Tested: **ARCH-AF24-60-D-U-T2U-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P239108  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1802-616-1)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: ARCH-AF24-60-D-U-T2U-7030  
Description: ARCHEON ROADWAY AND AREA LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6743 lumens  
Efficiency: N/A  
Efficacy: 105.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 64  
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: 28.75 FT

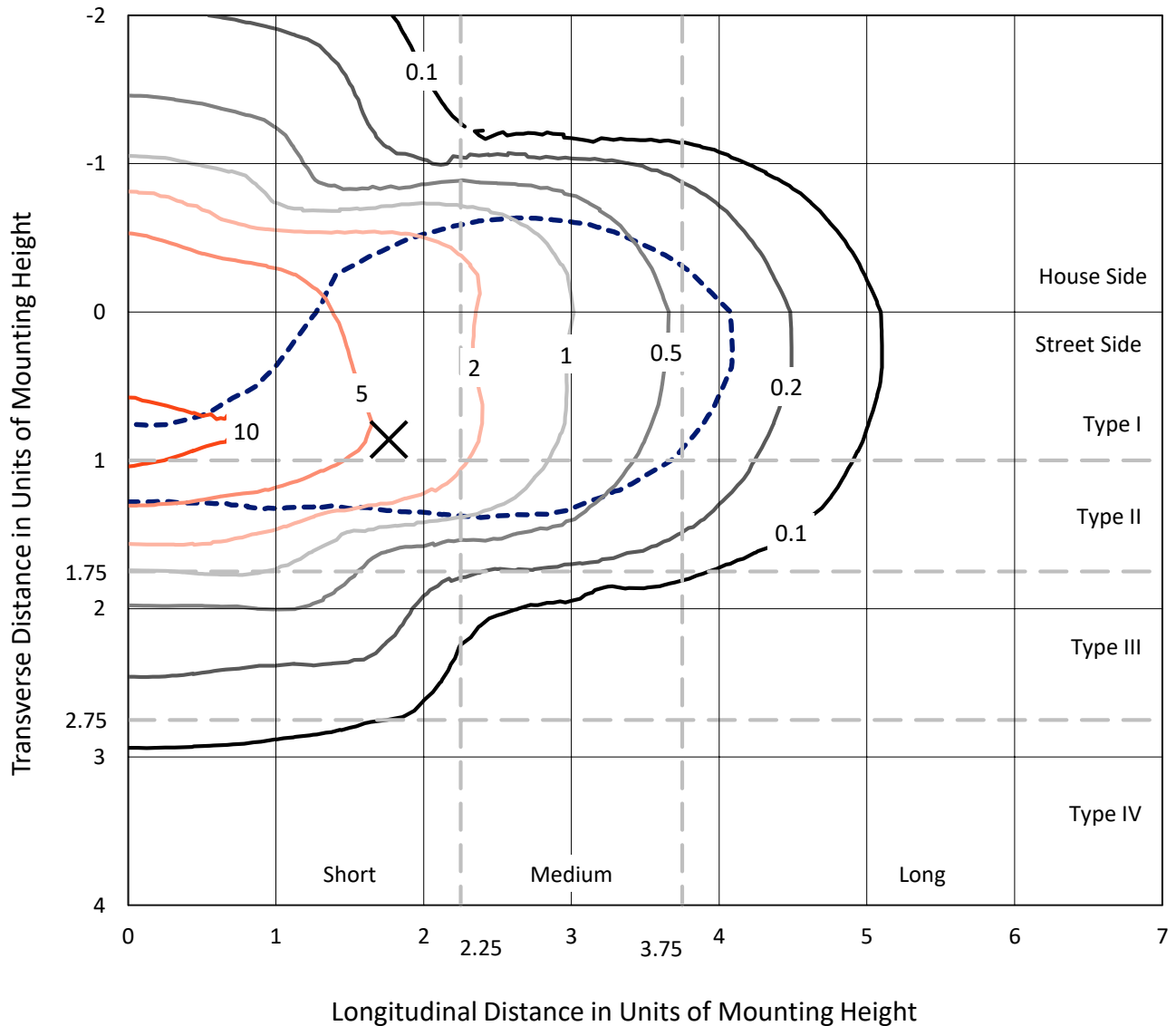




REPORT NUMBER: P239108  
 CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

### Iso-Footcandle Lines of Horizontal Illumination

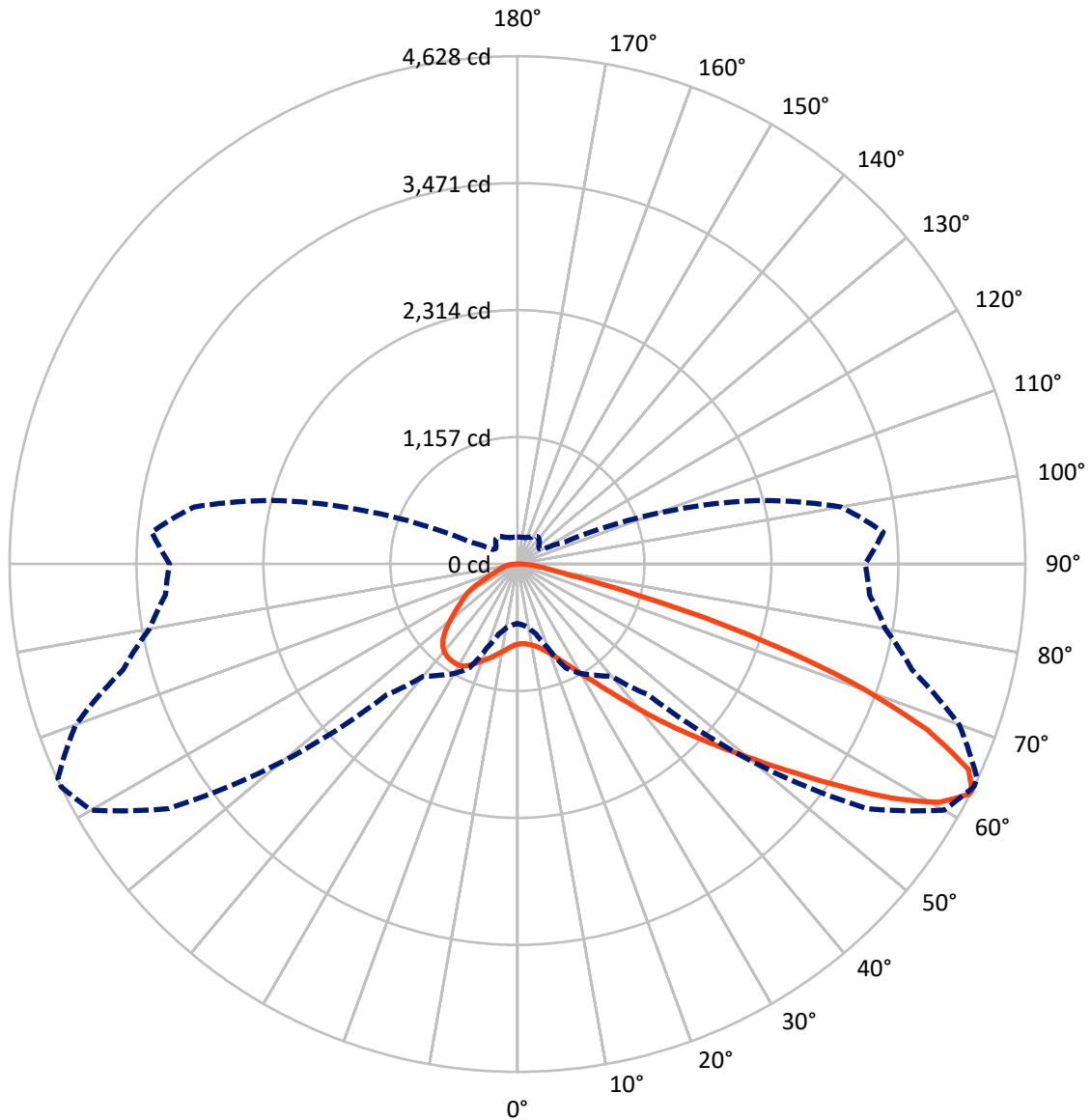
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc  
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P239108  
CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral      - - - Horizontal Cone Through 63-Deg Vertical

REPORT NUMBER: P239108

CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 1982.2   | 0.0    | 1982.2 |
|                    | % Fixture | 29.4     | 0.0    | 29.4   |
| <b>Street Side</b> | Lumens    | 4760.8   | 0.0    | 4760.8 |
|                    | % Fixture | 70.6     | 0.0    | 70.6   |
| <b>Total</b>       | Lumens    | 6743.0   | 0.0    | 6743.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 72.9   | 1.1       |
| 10°-20°   | 242.8  | 3.6       |
| 20°-30°   | 455.9  | 6.8       |
| 30°-40°   | 764.1  | 11.3      |
| 40°-50°   | 1281.9 | 19.0      |
| 50°-60°   | 1625.1 | 24.1      |
| 60°-70°   | 1433.6 | 21.3      |
| 70°-80°   | 740.0  | 11.0      |
| 80°-90°   | 126.6  | 1.9       |
| 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°    | 6743.0 | 100.0     |
| 0°-180°   | 6743.0 | 100.0     |



REPORT NUMBER: P239108

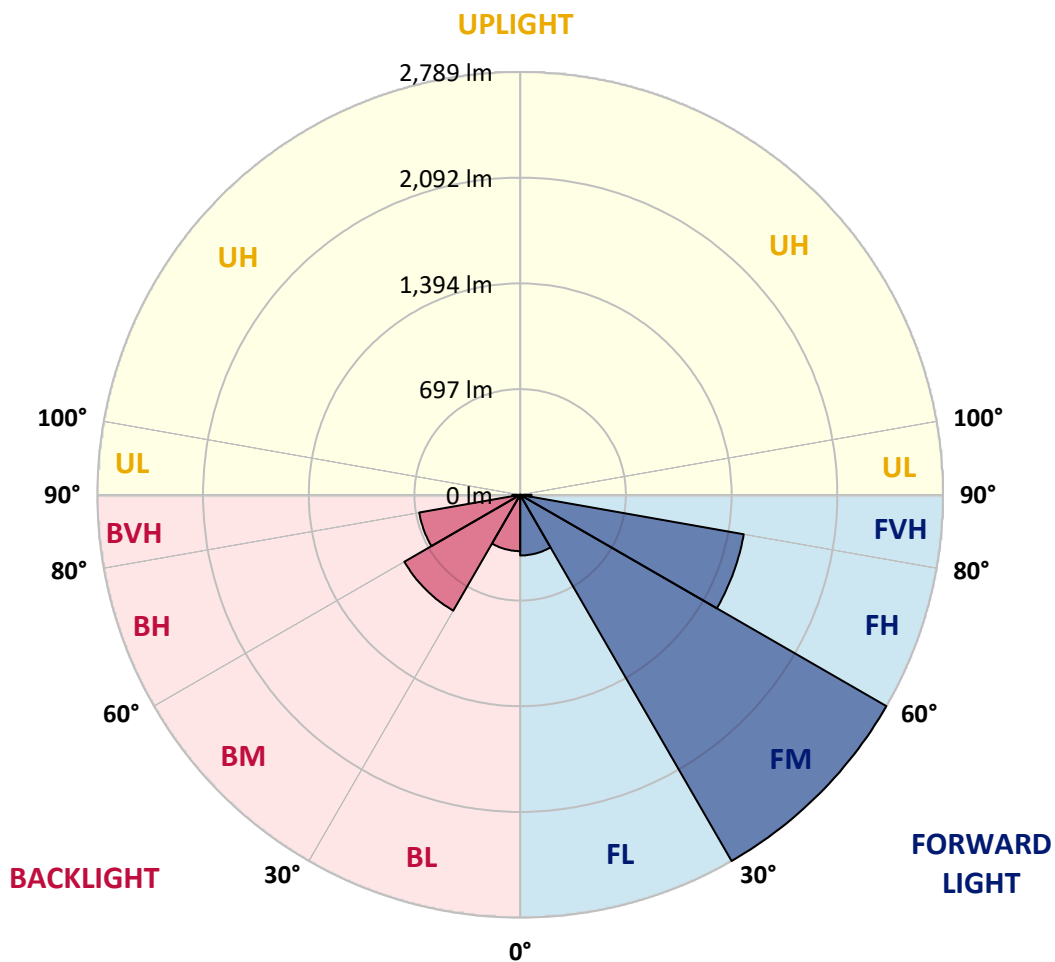
CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

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

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 400.2  | 5.9       |                         |      |         |
| FM   | (30°-60°)   | 2788.7 | 41.4      |                         |      |         |
| FH   | (60°-80°)   | 1497.3 | 22.2      |                         |      | G1/1800 |
| FVH  | (80°-90°)   | 74.5   | 1.1       |                         |      | G1/100  |
| BL   | (0°-30°)    | 371.4  | 5.5       | B1/500                  |      |         |
| BM   | (30°-60°)   | 882.4  | 13.1      | B1/1000                 |      |         |
| BH   | (60°-80°)   | 676.3  | 10.0      | B2/1000                 |      | G2/1000 |
| BVH  | (80°-90°)   | 52.1   | 0.8       |                         |      | G1/100  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B2-U0-G2**

Type II Short





REPORT NUMBER: P239108

CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 10°    | 15°    | 20°    | 25°    | 30°    | 35°    | 40°    | 45°    | 50°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  |
| 2.5°  | 725.7  | 724.6  | 724.6  | 724.6  | 724.6  | 723.5  | 724.6  | 726.9  | 725.7  | 724.6  | 726.9  |
| 5°    | 728.0  | 726.9  | 726.9  | 726.9  | 728.0  | 726.9  | 728.0  | 731.4  | 729.1  | 729.1  | 731.4  |
| 7.5°  | 733.7  | 732.5  | 733.7  | 732.5  | 732.5  | 732.5  | 733.7  | 737.0  | 735.9  | 737.0  | 740.4  |
| 10°   | 740.4  | 740.4  | 740.4  | 740.4  | 740.4  | 740.4  | 742.7  | 744.9  | 746.1  | 747.2  | 751.7  |
| 12.5° | 760.7  | 760.7  | 760.7  | 759.6  | 759.6  | 756.2  | 760.7  | 763.0  | 765.3  | 767.5  | 770.9  |
| 15°   | 803.6  | 803.6  | 802.5  | 798.0  | 798.0  | 791.2  | 792.3  | 793.5  | 793.5  | 795.7  | 798.0  |
| 17.5° | 860.1  | 858.9  | 856.7  | 853.3  | 848.8  | 840.9  | 838.6  | 836.4  | 833.0  | 831.8  | 831.8  |
| 20°   | 939.1  | 937.9  | 933.4  | 924.4  | 918.8  | 906.3  | 897.3  | 888.3  | 884.9  | 879.3  | 878.1  |
| 22.5° | 1051.9 | 1051.9 | 1042.9 | 1029.4 | 1024.9 | 998.9  | 972.9  | 953.7  | 947.0  | 939.1  | 939.1  |
| 25°   | 1188.5 | 1187.4 | 1175.0 | 1159.2 | 1140.0 | 1112.9 | 1081.3 | 1055.3 | 1038.4 | 1020.3 | 1013.6 |
| 27.5° | 1352.2 | 1348.8 | 1331.9 | 1312.7 | 1276.6 | 1242.7 | 1205.4 | 1178.4 | 1149.0 | 1126.4 | 1106.1 |
| 30°   | 1544.1 | 1540.7 | 1511.3 | 1475.2 | 1438.0 | 1404.1 | 1349.9 | 1317.2 | 1270.9 | 1243.8 | 1221.2 |
| 32.5° | 1766.4 | 1763.0 | 1710.0 | 1675.0 | 1635.5 | 1593.7 | 1529.4 | 1477.5 | 1418.8 | 1380.4 | 1348.8 |
| 35°   | 2049.7 | 2036.2 | 1960.5 | 1912.0 | 1849.9 | 1808.2 | 1740.4 | 1670.5 | 1601.6 | 1547.4 | 1501.2 |
| 37.5° | 2355.6 | 2339.8 | 2273.2 | 2201.0 | 2140.0 | 2089.2 | 1993.3 | 1905.2 | 1824.0 | 1749.5 | 1691.9 |
| 40°   | 2675.0 | 2633.2 | 2562.1 | 2509.1 | 2467.3 | 2418.8 | 2318.3 | 2225.8 | 2098.2 | 2014.7 | 1927.8 |
| 42.5° | 2896.2 | 2855.6 | 2805.9 | 2770.9 | 2750.6 | 2713.4 | 2656.9 | 2576.8 | 2462.8 | 2465.1 | 2235.9 |
| 45°   | 3041.8 | 2982.0 | 2948.1 | 2950.4 | 2958.3 | 2958.3 | 2948.1 | 2935.7 | 2886.1 | 2919.9 | 2728.0 |
| 47.5° | 2989.9 | 2950.4 | 2929.0 | 2974.1 | 3030.5 | 3087.0 | 3152.4 | 3223.5 | 3304.8 | 3400.8 | 3164.9 |
| 50°   | 2685.2 | 2699.8 | 2710.0 | 2805.9 | 2926.7 | 3055.4 | 3205.5 | 3399.6 | 3626.5 | 3670.5 | 3556.5 |
| 52.5° | 2198.7 | 2230.3 | 2264.2 | 2410.9 | 2570.0 | 2792.4 | 3055.4 | 3375.9 | 3680.7 | 3860.1 | 3848.8 |
| 55°   | 1707.7 | 1747.2 | 1819.5 | 1928.9 | 2055.3 | 2265.3 | 2590.3 | 3084.7 | 3559.9 | 3845.5 | 4019.3 |
| 57.5° | 1215.6 | 1273.2 | 1368.0 | 1520.3 | 1632.1 | 1750.6 | 1991.0 | 2539.6 | 3059.9 | 3591.5 | 3991.1 |
| 60°   | 808.1  | 835.2  | 897.3  | 1086.9 | 1275.4 | 1399.6 | 1570.0 | 1768.7 | 2194.2 | 2926.7 | 3699.9 |
| 62.5° | 573.4  | 591.4  | 629.8  | 715.6  | 886.0  | 1110.6 | 1213.3 | 1304.8 | 1441.3 | 1882.7 | 2970.7 |
| 63°   | 541.8  | 557.6  | 589.2  | 661.4  | 814.9  | 1047.4 | 1152.4 | 1235.9 | 1335.2 | 1684.0 | 2810.4 |
| 65°   | 449.2  | 456.0  | 472.9  | 507.9  | 590.3  | 783.3  | 954.9  | 1005.7 | 1022.6 | 1082.4 | 1760.8 |
| 67.5° | 379.2  | 383.8  | 389.4  | 399.6  | 432.3  | 521.5  | 712.2  | 776.5  | 757.4  | 716.7  | 870.2  |
| 70°   | 329.6  | 333.0  | 342.0  | 354.4  | 365.7  | 388.3  | 489.9  | 585.8  | 564.3  | 509.0  | 532.7  |
| 72.5° | 263.0  | 268.6  | 278.8  | 300.2  | 322.8  | 352.2  | 377.0  | 436.8  | 423.3  | 370.2  | 375.9  |
| 75°   | 207.7  | 211.1  | 220.1  | 235.9  | 257.3  | 291.2  | 339.7  | 360.1  | 322.8  | 273.1  | 273.1  |
| 77.5° | 164.8  | 168.2  | 176.1  | 188.5  | 202.0  | 225.7  | 259.6  | 312.6  | 290.1  | 205.4  | 204.3  |
| 80°   | 124.2  | 127.5  | 135.4  | 146.7  | 160.3  | 177.2  | 197.5  | 221.2  | 266.4  | 191.9  | 153.5  |
| 82.5° | 91.4   | 92.6   | 106.1  | 114.0  | 118.5  | 132.1  | 149.0  | 162.5  | 182.8  | 177.2  | 136.6  |
| 85°   | 68.9   | 67.7   | 76.8   | 82.4   | 83.5   | 86.9   | 97.1   | 110.6  | 119.6  | 115.1  | 106.1  |
| 87.5° | 38.4   | 33.9   | 39.5   | 45.1   | 45.1   | 46.3   | 48.5   | 56.4   | 64.3   | 62.1   | 56.4   |
| 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: P239108

CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 64°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  | 730.3  |
| 2.5°  | 726.9  | 726.9  | 725.7  | 725.7  | 726.9  | 726.9  | 725.7  | 729.1  | 731.4  | 731.4  | 732.5  |
| 5°    | 730.3  | 731.4  | 730.3  | 730.3  | 731.4  | 731.4  | 732.5  | 735.9  | 739.3  | 741.6  | 744.9  |
| 7.5°  | 740.4  | 741.6  | 740.4  | 740.4  | 741.6  | 742.7  | 744.9  | 749.5  | 751.7  | 756.2  | 761.9  |
| 10°   | 751.7  | 752.8  | 751.7  | 752.8  | 754.0  | 755.1  | 758.5  | 761.9  | 765.3  | 769.8  | 778.8  |
| 12.5° | 772.0  | 773.2  | 770.9  | 772.0  | 775.4  | 775.4  | 777.7  | 779.9  | 785.6  | 791.2  | 800.2  |
| 15°   | 800.2  | 800.2  | 798.0  | 799.1  | 802.5  | 802.5  | 803.6  | 805.9  | 812.7  | 819.4  | 828.5  |
| 17.5° | 833.0  | 835.2  | 834.1  | 835.2  | 837.5  | 838.6  | 838.6  | 840.9  | 845.4  | 849.9  | 858.9  |
| 20°   | 877.0  | 878.1  | 875.9  | 878.1  | 880.4  | 878.1  | 875.9  | 874.7  | 877.0  | 879.3  | 889.4  |
| 22.5° | 936.8  | 935.7  | 930.0  | 930.0  | 930.0  | 925.5  | 919.9  | 913.1  | 913.1  | 909.7  | 917.6  |
| 25°   | 1007.9 | 1004.5 | 996.6  | 997.8  | 989.9  | 983.1  | 972.9  | 962.8  | 953.7  | 950.4  | 951.5  |
| 27.5° | 1091.4 | 1084.7 | 1076.8 | 1074.5 | 1066.6 | 1054.2 | 1037.3 | 1018.1 | 1003.4 | 992.1  | 989.9  |
| 30°   | 1196.4 | 1181.7 | 1168.2 | 1165.9 | 1153.5 | 1133.2 | 1106.1 | 1080.2 | 1055.3 | 1036.1 | 1029.4 |
| 32.5° | 1320.6 | 1298.0 | 1276.6 | 1274.3 | 1254.0 | 1226.9 | 1194.2 | 1158.0 | 1121.9 | 1091.4 | 1076.8 |
| 35°   | 1466.2 | 1432.3 | 1412.0 | 1406.4 | 1377.0 | 1343.1 | 1307.0 | 1260.7 | 1210.0 | 1167.1 | 1140.0 |
| 37.5° | 1643.4 | 1608.4 | 1573.4 | 1574.5 | 1533.9 | 1494.4 | 1445.9 | 1389.4 | 1325.1 | 1265.3 | 1226.9 |
| 40°   | 1862.3 | 1812.7 | 1767.5 | 1757.4 | 1722.4 | 1667.1 | 1614.0 | 1548.6 | 1469.6 | 1390.5 | 1335.2 |
| 42.5° | 2127.6 | 2046.3 | 1984.2 | 1975.2 | 1928.9 | 1861.2 | 1796.9 | 1710.0 | 1629.8 | 1533.9 | 1467.3 |
| 45°   | 2428.9 | 2299.1 | 2224.7 | 2211.1 | 2136.6 | 2067.8 | 1989.9 | 1897.3 | 1799.1 | 1690.8 | 1611.8 |
| 47.5° | 2803.7 | 2618.6 | 2492.2 | 2469.6 | 2366.9 | 2276.6 | 2195.3 | 2092.6 | 1975.2 | 1854.4 | 1767.5 |
| 50°   | 3240.5 | 2967.3 | 2796.9 | 2761.9 | 2624.2 | 2518.1 | 2414.3 | 2285.6 | 2160.3 | 2033.9 | 1933.5 |
| 52.5° | 3678.4 | 3384.9 | 3158.1 | 3115.2 | 2912.0 | 2769.8 | 2633.2 | 2504.6 | 2356.7 | 2231.4 | 2117.4 |
| 55°   | 4030.6 | 3835.3 | 3572.3 | 3512.5 | 3221.3 | 3028.3 | 2848.8 | 2702.1 | 2555.4 | 2456.0 | 2321.7 |
| 57.5° | 4242.8 | 4232.6 | 4024.9 | 3942.5 | 3544.1 | 3258.5 | 3058.8 | 2891.7 | 2749.5 | 2707.7 | 2529.4 |
| 60°   | 4237.1 | 4500.1 | 4410.9 | 4348.9 | 3870.3 | 3494.4 | 3234.8 | 3054.2 | 2936.9 | 2984.3 | 2738.2 |
| 62.5° | 3978.6 | 4511.4 | 4618.6 | 4601.7 | 4217.9 | 3684.1 | 3379.3 | 3193.1 | 3131.0 | 3272.1 | 2954.9 |
| 63°   | 3885.0 | 4485.4 | 4627.6 | 4620.9 | 4284.5 | 3720.2 | 3404.1 | 3220.2 | 3169.4 | 3345.4 | 2994.4 |
| 65°   | 3283.4 | 4258.6 | 4518.2 | 4548.6 | 4427.9 | 3844.3 | 3461.7 | 3289.0 | 3283.4 | 3509.1 | 3088.1 |
| 67.5° | 2001.2 | 3598.3 | 4024.9 | 4083.6 | 4225.8 | 3883.8 | 3429.0 | 3265.3 | 3346.6 | 3532.8 | 3059.9 |
| 70°   | 855.5  | 2374.8 | 3234.8 | 3329.6 | 3677.3 | 3687.4 | 3335.3 | 3168.2 | 3331.9 | 3347.7 | 2859.0 |
| 72.5° | 506.8  | 1119.7 | 2202.1 | 2408.6 | 2909.8 | 3172.8 | 3120.8 | 2998.9 | 3138.9 | 2940.2 | 2434.6 |
| 75°   | 358.9  | 523.7  | 1118.5 | 1338.6 | 2026.0 | 2422.2 | 2622.0 | 2678.4 | 2672.7 | 2331.9 | 1827.4 |
| 77.5° | 257.3  | 336.4  | 471.8  | 556.4  | 1130.9 | 1555.3 | 1799.1 | 1963.9 | 1910.9 | 1561.0 | 1126.4 |
| 80°   | 179.5  | 232.5  | 288.9  | 307.0  | 524.8  | 799.1  | 948.1  | 1020.3 | 988.7  | 779.9  | 504.5  |
| 82.5° | 129.8  | 152.4  | 186.2  | 197.5  | 264.1  | 369.1  | 439.1  | 387.1  | 371.3  | 287.8  | 217.8  |
| 85°   | 100.5  | 98.2   | 116.3  | 120.8  | 154.6  | 193.0  | 197.5  | 153.5  | 134.3  | 119.6  | 121.9  |
| 87.5° | 71.1   | 60.9   | 62.1   | 64.3   | 80.1   | 102.7  | 100.5  | 63.2   | 54.2   | 57.6   | 65.5   |
| 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: P239108

CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

**CANDELA DISTRIBUTION (continued):**

|       | 105°   | 110°   | 115°   | 120°   | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 730.3  | 730.3  | 730.3  | 730.3  | 730.3 | 730.3 | 730.3 | 730.3 | 730.3 | 730.3 | 730.3 |
| 2.5°  | 734.8  | 735.9  | 738.2  | 739.3  | 741.6 | 741.6 | 743.8 | 744.9 | 747.2 | 749.5 | 750.6 |
| 5°    | 748.3  | 751.7  | 756.2  | 758.5  | 763.0 | 766.4 | 770.9 | 773.2 | 777.7 | 781.1 | 785.6 |
| 7.5°  | 768.6  | 774.3  | 779.9  | 786.7  | 793.5 | 799.1 | 803.6 | 809.3 | 817.2 | 822.8 | 826.2 |
| 10°   | 787.8  | 795.7  | 805.9  | 813.8  | 823.9 | 831.8 | 838.6 | 848.8 | 857.8 | 865.7 | 870.2 |
| 12.5° | 812.7  | 822.8  | 833.0  | 845.4  | 858.9 | 869.1 | 879.3 | 892.8 | 905.2 | 914.2 | 918.8 |
| 15°   | 842.0  | 854.4  | 865.7  | 880.4  | 896.2 | 909.7 | 924.4 | 939.1 | 948.1 | 948.1 | 945.8 |
| 17.5° | 872.5  | 882.6  | 896.2  | 913.1  | 934.6 | 951.5 | 959.4 | 961.6 | 958.3 | 950.4 | 944.7 |
| 20°   | 903.0  | 912.0  | 926.7  | 947.0  | 969.5 | 972.9 | 965.0 | 954.9 | 944.7 | 931.2 | 922.1 |
| 22.5° | 927.8  | 940.2  | 962.8  | 986.5  | 987.6 | 968.4 | 947.0 | 930.0 | 914.2 | 898.4 | 881.5 |
| 25°   | 957.1  | 974.1  | 1004.5 | 1013.6 | 984.2 | 948.1 | 917.6 | 892.8 | 866.8 | 840.9 | 821.7 |
| 27.5° | 993.2  | 1018.1 | 1048.6 | 1022.6 | 965.0 | 914.2 | 872.5 | 835.2 | 801.4 | 765.3 | 743.8 |
| 30°   | 1031.6 | 1070.0 | 1076.8 | 1009.1 | 932.3 | 866.8 | 810.4 | 754.0 | 711.1 | 678.3 | 665.9 |
| 32.5° | 1077.9 | 1127.6 | 1086.9 | 985.3  | 888.3 | 802.5 | 726.9 | 659.2 | 623.0 | 602.7 | 597.1 |
| 35°   | 1147.9 | 1188.5 | 1092.6 | 960.5  | 837.5 | 725.7 | 630.9 | 576.8 | 554.2 | 540.6 | 533.9 |
| 37.5° | 1248.3 | 1247.2 | 1091.4 | 930.0  | 778.8 | 642.2 | 554.2 | 515.8 | 497.8 | 486.5 | 474.1 |
| 40°   | 1365.7 | 1292.4 | 1084.7 | 886.0  | 699.8 | 562.1 | 501.1 | 465.0 | 448.1 | 434.5 | 419.9 |
| 42.5° | 1482.0 | 1322.8 | 1065.5 | 820.6  | 601.6 | 504.5 | 462.8 | 430.0 | 412.0 | 397.3 | 377.0 |
| 45°   | 1582.4 | 1335.2 | 1028.2 | 730.3  | 513.6 | 459.4 | 437.9 | 409.7 | 388.3 | 365.7 | 349.9 |
| 47.5° | 1661.4 | 1333.0 | 968.4  | 624.2  | 454.9 | 427.8 | 417.6 | 398.4 | 372.5 | 344.3 | 323.9 |
| 50°   | 1728.0 | 1316.1 | 887.2  | 530.5  | 415.4 | 399.6 | 396.2 | 390.5 | 348.8 | 325.1 | 312.6 |
| 52.5° | 1789.0 | 1291.2 | 800.2  | 467.3  | 381.5 | 368.0 | 374.7 | 369.1 | 339.7 | 319.4 | 307.0 |
| 55°   | 1872.5 | 1274.3 | 714.5  | 418.7  | 342.0 | 338.6 | 344.3 | 352.2 | 334.1 | 314.9 | 301.4 |
| 57.5° | 1970.7 | 1283.3 | 649.0  | 364.6  | 304.7 | 307.0 | 326.2 | 337.5 | 328.4 | 308.1 | 294.6 |
| 60°   | 2083.6 | 1310.4 | 591.4  | 312.6  | 274.3 | 279.9 | 308.1 | 323.9 | 322.8 | 299.1 | 283.3 |
| 62.5° | 2210.0 | 1338.6 | 500.0  | 273.1  | 248.3 | 257.3 | 286.7 | 307.0 | 310.4 | 290.1 | 270.9 |
| 63°   | 2234.8 | 1340.9 | 476.3  | 265.2  | 243.8 | 254.0 | 281.0 | 302.5 | 307.0 | 287.8 | 268.6 |
| 65°   | 2295.8 | 1320.6 | 383.8  | 243.8  | 225.7 | 237.0 | 264.1 | 283.3 | 292.3 | 275.4 | 259.6 |
| 67.5° | 2245.0 | 1154.7 | 288.9  | 217.8  | 211.1 | 219.0 | 242.7 | 260.7 | 268.6 | 260.7 | 244.9 |
| 70°   | 2053.1 | 839.7  | 225.7  | 194.1  | 195.3 | 200.9 | 219.0 | 235.9 | 244.9 | 242.7 | 228.0 |
| 72.5° | 1653.5 | 476.3  | 188.5  | 173.8  | 177.2 | 184.0 | 196.4 | 212.2 | 220.1 | 219.0 | 208.8 |
| 75°   | 1089.2 | 243.8  | 159.1  | 155.8  | 158.0 | 163.7 | 172.7 | 185.1 | 194.1 | 193.0 | 188.5 |
| 77.5° | 539.5  | 169.3  | 136.6  | 137.7  | 138.8 | 143.3 | 150.1 | 161.4 | 167.0 | 168.2 | 167.0 |
| 80°   | 222.4  | 132.1  | 117.4  | 118.5  | 119.6 | 123.0 | 127.5 | 137.7 | 141.1 | 143.3 | 144.5 |
| 82.5° | 133.2  | 100.5  | 93.7   | 95.9   | 97.1  | 100.5 | 103.8 | 112.9 | 116.3 | 119.6 | 119.6 |
| 85°   | 88.0   | 70.0   | 67.7   | 70.0   | 72.2  | 74.5  | 75.6  | 81.3  | 86.9  | 91.4  | 93.7  |
| 87.5° | 47.4   | 41.8   | 40.6   | 41.8   | 41.8  | 44.0  | 46.3  | 51.9  | 58.7  | 63.2  | 65.5  |
| 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: P239108

CATALOG NUMBER: ARCH-AF24-60-D-U-T2U-7030

**CANDELA DISTRIBUTION (continued):**

|       | 160°  | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|-------|
| 0°    | 730.3 | 730.3 | 730.3 | 730.3 | 730.3 |
| 2.5°  | 748.3 | 749.5 | 748.3 | 749.5 | 750.6 |
| 5°    | 785.6 | 787.8 | 786.7 | 786.7 | 791.2 |
| 7.5°  | 828.5 | 833.0 | 833.0 | 835.2 | 837.5 |
| 10°   | 874.7 | 879.3 | 882.6 | 882.6 | 886.0 |
| 12.5° | 921.0 | 923.3 | 926.7 | 926.7 | 926.7 |
| 15°   | 944.7 | 943.6 | 942.5 | 941.3 | 941.3 |
| 17.5° | 941.3 | 936.8 | 934.6 | 932.3 | 933.4 |
| 20°   | 916.5 | 908.6 | 906.3 | 903.0 | 905.2 |
| 22.5° | 873.6 | 862.3 | 857.8 | 852.2 | 854.4 |
| 25°   | 809.3 | 795.7 | 793.5 | 786.7 | 790.1 |
| 27.5° | 734.8 | 728.0 | 726.9 | 725.7 | 731.4 |
| 30°   | 664.8 | 667.1 | 668.2 | 670.4 | 676.1 |
| 32.5° | 600.5 | 605.0 | 606.1 | 607.2 | 615.1 |
| 35°   | 537.3 | 531.6 | 537.3 | 535.0 | 541.8 |
| 37.5° | 468.4 | 463.9 | 459.4 | 453.7 | 458.2 |
| 40°   | 410.8 | 402.9 | 389.4 | 382.6 | 383.8 |
| 42.5° | 365.7 | 355.5 | 344.3 | 337.5 | 337.5 |
| 45°   | 336.4 | 323.9 | 313.8 | 309.3 | 309.3 |
| 47.5° | 313.8 | 308.1 | 302.5 | 299.1 | 299.1 |
| 50°   | 304.7 | 298.0 | 294.6 | 292.3 | 292.3 |
| 52.5° | 298.0 | 291.2 | 287.8 | 285.6 | 283.3 |
| 55°   | 292.3 | 282.2 | 278.8 | 277.7 | 277.7 |
| 57.5° | 284.4 | 275.4 | 270.9 | 269.8 | 269.8 |
| 60°   | 272.0 | 265.2 | 260.7 | 259.6 | 259.6 |
| 62.5° | 259.6 | 252.8 | 248.3 | 248.3 | 248.3 |
| 63°   | 257.3 | 249.4 | 246.1 | 246.1 | 246.1 |
| 65°   | 247.2 | 239.3 | 235.9 | 235.9 | 234.8 |
| 67.5° | 233.6 | 225.7 | 223.5 | 223.5 | 221.2 |
| 70°   | 217.8 | 211.1 | 208.8 | 209.9 | 205.4 |
| 72.5° | 202.0 | 195.3 | 191.9 | 191.9 | 187.4 |
| 75°   | 184.0 | 177.2 | 172.7 | 171.6 | 167.0 |
| 77.5° | 163.7 | 158.0 | 153.5 | 149.0 | 146.7 |
| 80°   | 142.2 | 137.7 | 132.1 | 128.7 | 125.3 |
| 82.5° | 119.6 | 115.1 | 111.7 | 116.3 | 99.3  |
| 85°   | 93.7  | 89.2  | 84.7  | 91.4  | 71.1  |
| 87.5° | 68.9  | 66.6  | 62.1  | 54.2  | 47.4  |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)