

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: P239104

Luminaire Tested: **ARCH-AF24-20-D-U-T2U-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239104
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-AF24-20-D-U-T2U-7030
Description: ARCHEON ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522 lumens
Efficiency: N/A
Efficacy: 120.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.75' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G1

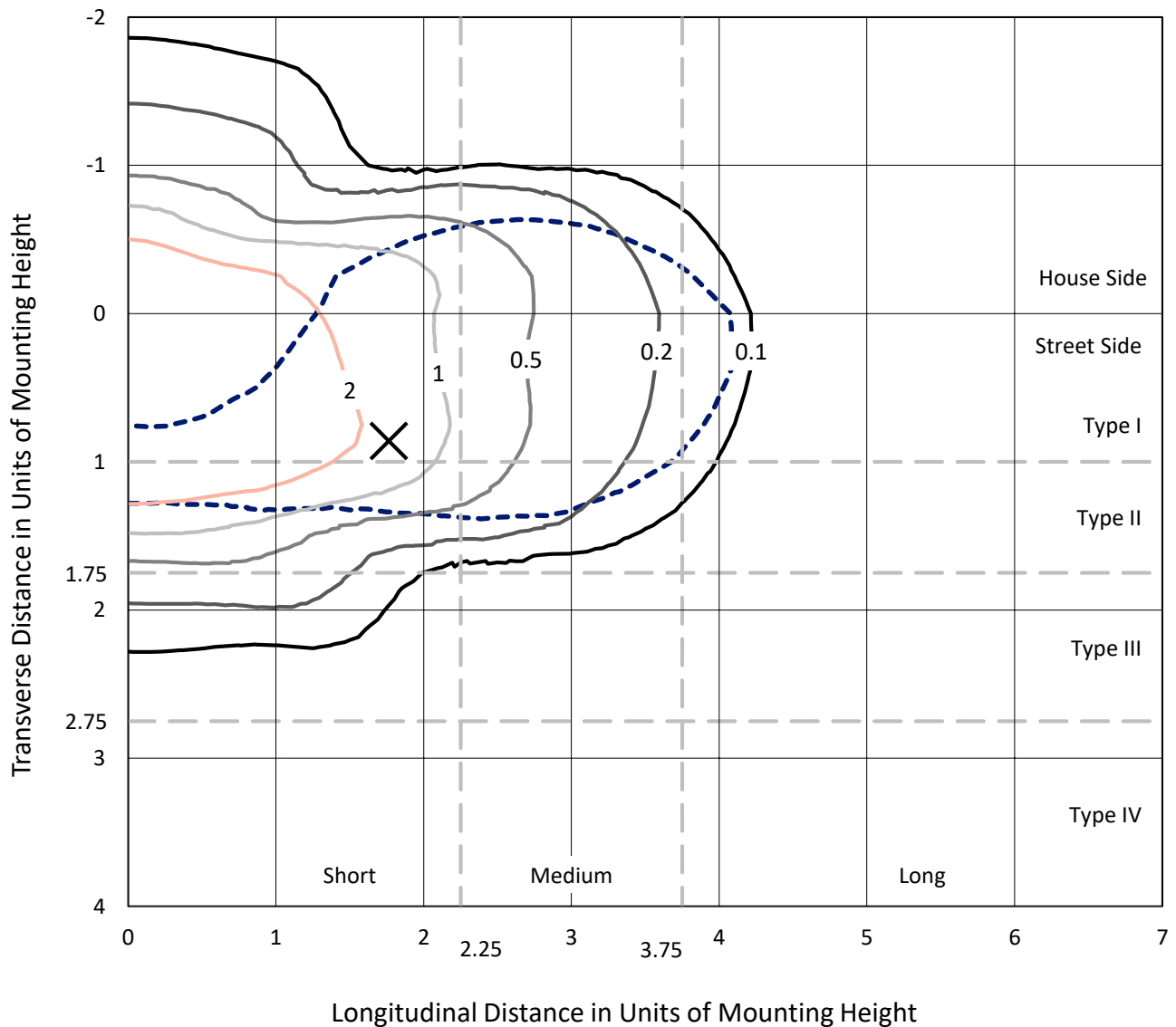
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P239104
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

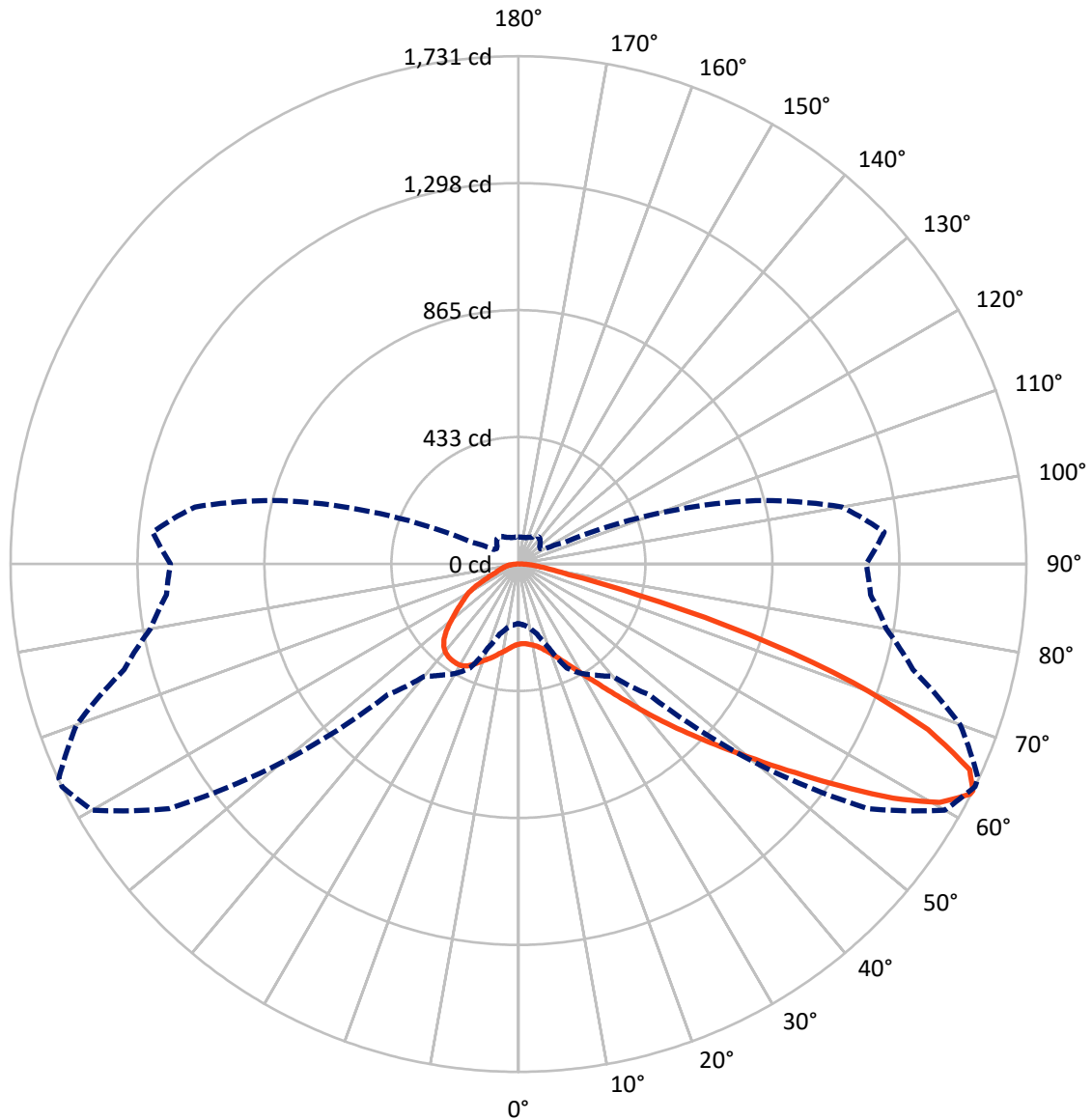


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type II - Short - Semi-Cutoff

REPORT NUMBER: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

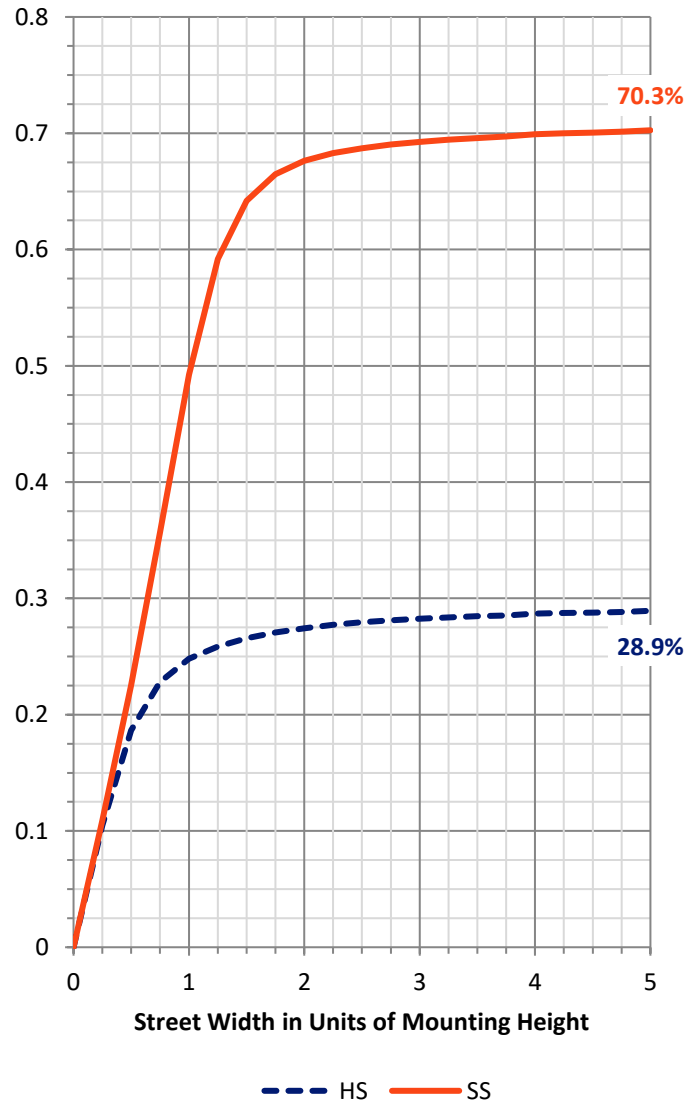
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 741.4 | 0.0 | 741.4 |
| | % Fixture | 29.4 | 0.0 | 29.4 |
| Street Side | Lumens | 1780.6 | 0.0 | 1780.6 |
| | % Fixture | 70.6 | 0.0 | 70.6 |
| Total | Lumens | 2522.0 | 0.0 | 2522.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 27.3 | 1.1 |
| 10°-20° | 90.8 | 3.6 |
| 20°-30° | 170.5 | 6.8 |
| 30°-40° | 285.8 | 11.3 |
| 40°-50° | 479.5 | 19.0 |
| 50°-60° | 607.8 | 24.1 |
| 60°-70° | 536.2 | 21.3 |
| 70°-80° | 276.8 | 11.0 |
| 80°-90° | 47.4 | 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° | 2522.0 | 100.0 |
| 0°-180° | 2522.0 | 100.0 |



REPORT NUMBER: P239104

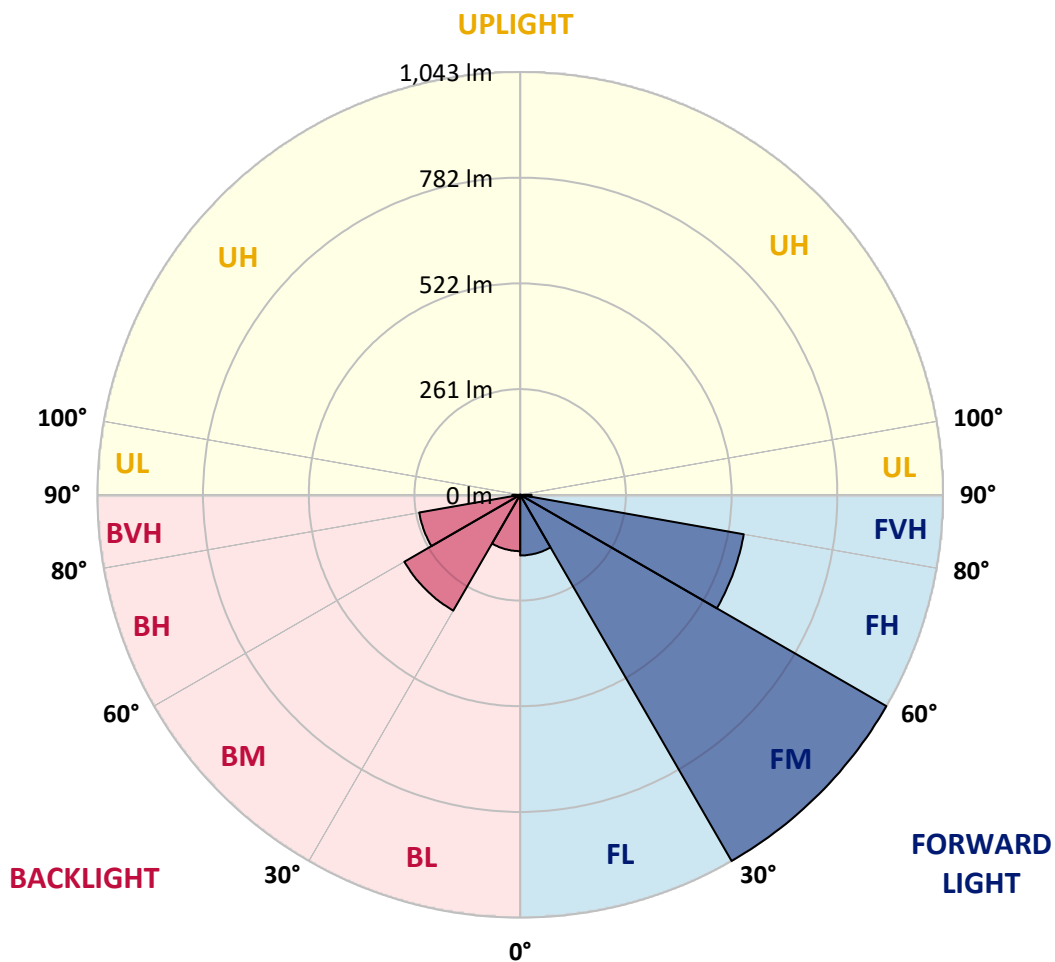
CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 149.7 | 5.9 | | | |
| FM | (30°-60°) | 1043.0 | 41.4 | | | |
| FH | (60°-80°) | 560.0 | 22.2 | | | G0/660 |
| FVH | (80°-90°) | 27.9 | 1.1 | | | G1/100 |
| BL | (0°-30°) | 138.9 | 5.5 | B1/500 | | |
| BM | (30°-60°) | 330.0 | 13.1 | B1/1000 | | |
| BH | (60°-80°) | 253.0 | 10.0 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 19.5 | 0.8 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5° | 271.4 | 271.0 | 271.0 | 271.0 | 271.0 | 270.6 | 271.0 | 271.9 | 271.4 | 271.0 | 271.9 |
| 5° | 272.3 | 271.9 | 271.9 | 271.9 | 272.3 | 271.9 | 272.3 | 273.6 | 272.7 | 272.7 | 273.6 |
| 7.5° | 274.4 | 274.0 | 274.4 | 274.0 | 274.0 | 274.0 | 274.4 | 275.7 | 275.2 | 275.7 | 276.9 |
| 10° | 276.9 | 276.9 | 276.9 | 276.9 | 276.9 | 276.9 | 277.8 | 278.6 | 279.0 | 279.5 | 281.2 |
| 12.5° | 284.5 | 284.5 | 284.5 | 284.1 | 284.1 | 282.8 | 284.5 | 285.4 | 286.2 | 287.1 | 288.3 |
| 15° | 300.6 | 300.6 | 300.1 | 298.5 | 298.5 | 295.9 | 296.3 | 296.8 | 296.8 | 297.6 | 298.5 |
| 17.5° | 321.7 | 321.3 | 320.4 | 319.1 | 317.5 | 314.5 | 313.7 | 312.8 | 311.5 | 311.1 | 311.1 |
| 20° | 351.2 | 350.8 | 349.1 | 345.7 | 343.6 | 339.0 | 335.6 | 332.2 | 331.0 | 328.9 | 328.4 |
| 22.5° | 393.4 | 393.4 | 390.1 | 385.0 | 383.3 | 373.6 | 363.9 | 356.7 | 354.2 | 351.2 | 351.2 |
| 25° | 444.5 | 444.1 | 439.5 | 433.5 | 426.4 | 416.2 | 404.4 | 394.7 | 388.4 | 381.6 | 379.1 |
| 27.5° | 505.7 | 504.5 | 498.1 | 491.0 | 477.5 | 464.8 | 450.9 | 440.7 | 429.7 | 421.3 | 413.7 |
| 30° | 577.5 | 576.2 | 565.3 | 551.8 | 537.8 | 525.2 | 504.9 | 492.6 | 475.3 | 465.2 | 456.8 |
| 32.5° | 660.7 | 659.4 | 639.6 | 626.5 | 611.7 | 596.1 | 572.0 | 552.6 | 530.6 | 516.3 | 504.5 |
| 35° | 766.6 | 761.6 | 733.3 | 715.1 | 691.9 | 676.3 | 651.0 | 624.8 | 599.0 | 578.8 | 561.5 |
| 37.5° | 881.0 | 875.1 | 850.2 | 823.2 | 800.4 | 781.4 | 745.5 | 712.6 | 682.2 | 654.3 | 632.8 |
| 40° | 1000.5 | 984.9 | 958.3 | 938.4 | 922.8 | 904.7 | 867.1 | 832.5 | 784.8 | 753.5 | 721.0 |
| 42.5° | 1083.2 | 1068.0 | 1049.5 | 1036.4 | 1028.8 | 1014.9 | 993.7 | 963.8 | 921.1 | 922.0 | 836.3 |
| 45° | 1137.7 | 1115.3 | 1102.7 | 1103.5 | 1106.5 | 1106.5 | 1102.7 | 1098.0 | 1079.4 | 1092.1 | 1020.3 |
| 47.5° | 1118.3 | 1103.5 | 1095.5 | 1112.4 | 1133.5 | 1154.6 | 1179.1 | 1205.7 | 1236.1 | 1271.9 | 1183.7 |
| 50° | 1004.3 | 1009.8 | 1013.6 | 1049.5 | 1094.6 | 1142.8 | 1198.9 | 1271.5 | 1356.4 | 1372.8 | 1330.2 |
| 52.5° | 822.3 | 834.2 | 846.8 | 901.7 | 961.2 | 1044.4 | 1142.8 | 1262.7 | 1376.6 | 1443.8 | 1439.5 |
| 55° | 638.7 | 653.5 | 680.5 | 721.5 | 768.7 | 847.3 | 968.8 | 1153.7 | 1331.5 | 1438.3 | 1503.3 |
| 57.5° | 454.7 | 476.2 | 511.6 | 568.6 | 610.4 | 654.8 | 744.7 | 949.8 | 1144.5 | 1343.3 | 1492.7 |
| 60° | 302.3 | 312.4 | 335.6 | 406.5 | 477.0 | 523.5 | 587.2 | 661.5 | 820.7 | 1094.6 | 1383.8 |
| 62.5° | 214.5 | 221.2 | 235.6 | 267.6 | 331.4 | 415.4 | 453.8 | 488.0 | 539.1 | 704.1 | 1111.1 |
| 63° | 202.6 | 208.5 | 220.4 | 247.4 | 304.8 | 391.8 | 431.0 | 462.3 | 499.4 | 629.8 | 1051.2 |
| 65° | 168.0 | 170.5 | 176.9 | 190.0 | 220.8 | 293.0 | 357.1 | 376.1 | 382.5 | 404.8 | 658.6 |
| 67.5° | 141.8 | 143.5 | 145.6 | 149.4 | 161.7 | 195.0 | 266.4 | 290.4 | 283.3 | 268.1 | 325.5 |
| 70° | 123.3 | 124.5 | 127.9 | 132.6 | 136.8 | 145.2 | 183.2 | 219.1 | 211.1 | 190.4 | 199.3 |
| 72.5° | 98.4 | 100.5 | 104.3 | 112.3 | 120.7 | 131.7 | 141.0 | 163.4 | 158.3 | 138.5 | 140.6 |
| 75° | 77.7 | 78.9 | 82.3 | 88.2 | 96.3 | 108.9 | 127.1 | 134.7 | 120.7 | 102.2 | 102.2 |
| 77.5° | 61.6 | 62.9 | 65.9 | 70.5 | 75.6 | 84.4 | 97.1 | 116.9 | 108.5 | 76.8 | 76.4 |
| 80° | 46.4 | 47.7 | 50.7 | 54.9 | 59.9 | 66.3 | 73.9 | 82.7 | 99.6 | 71.8 | 57.4 |
| 82.5° | 34.2 | 34.6 | 39.7 | 42.6 | 44.3 | 49.4 | 55.7 | 60.8 | 68.4 | 66.3 | 51.1 |
| 85° | 25.8 | 25.3 | 28.7 | 30.8 | 31.2 | 32.5 | 36.3 | 41.4 | 44.7 | 43.1 | 39.7 |
| 87.5° | 14.4 | 12.7 | 14.8 | 16.9 | 16.9 | 17.3 | 18.2 | 21.1 | 24.1 | 23.2 | 21.1 |
| 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: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 64° | 65° | 70° | 75° | 80° | 85° | 90° | 95° | 100° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5° | 271.9 | 271.9 | 271.4 | 271.4 | 271.9 | 271.9 | 271.4 | 272.7 | 273.6 | 273.6 | 274.0 |
| 5° | 273.1 | 273.6 | 273.1 | 273.1 | 273.6 | 273.6 | 274.0 | 275.2 | 276.5 | 277.4 | 278.6 |
| 7.5° | 276.9 | 277.4 | 276.9 | 276.9 | 277.4 | 277.8 | 278.6 | 280.3 | 281.2 | 282.8 | 285.0 |
| 10° | 281.2 | 281.6 | 281.2 | 281.6 | 282.0 | 282.4 | 283.7 | 285.0 | 286.2 | 287.9 | 291.3 |
| 12.5° | 288.8 | 289.2 | 288.3 | 288.8 | 290.0 | 290.0 | 290.9 | 291.7 | 293.8 | 295.9 | 299.3 |
| 15° | 299.3 | 299.3 | 298.5 | 298.9 | 300.1 | 300.1 | 300.6 | 301.4 | 303.9 | 306.5 | 309.9 |
| 17.5° | 311.5 | 312.4 | 312.0 | 312.4 | 313.2 | 313.7 | 313.7 | 314.5 | 316.2 | 317.9 | 321.3 |
| 20° | 328.0 | 328.4 | 327.6 | 328.4 | 329.3 | 328.4 | 327.6 | 327.2 | 328.0 | 328.9 | 332.7 |
| 22.5° | 350.4 | 350.0 | 347.9 | 347.9 | 347.9 | 346.2 | 344.1 | 341.5 | 341.5 | 340.3 | 343.2 |
| 25° | 377.0 | 375.7 | 372.8 | 373.2 | 370.2 | 367.7 | 363.9 | 360.1 | 356.7 | 355.5 | 355.9 |
| 27.5° | 408.2 | 405.7 | 402.7 | 401.9 | 398.9 | 394.3 | 388.0 | 380.8 | 375.3 | 371.1 | 370.2 |
| 30° | 447.5 | 442.0 | 436.9 | 436.1 | 431.4 | 423.8 | 413.7 | 404.0 | 394.7 | 387.5 | 385.0 |
| 32.5° | 493.9 | 485.5 | 477.5 | 476.6 | 469.0 | 458.9 | 446.6 | 433.1 | 419.6 | 408.2 | 402.7 |
| 35° | 548.4 | 535.7 | 528.1 | 526.0 | 515.0 | 502.4 | 488.9 | 471.5 | 452.5 | 436.5 | 426.4 |
| 37.5° | 614.7 | 601.6 | 588.5 | 588.9 | 573.7 | 558.9 | 540.8 | 519.7 | 495.6 | 473.2 | 458.9 |
| 40° | 696.5 | 678.0 | 661.1 | 657.3 | 644.2 | 623.5 | 603.7 | 579.2 | 549.6 | 520.1 | 499.4 |
| 42.5° | 795.8 | 765.4 | 742.1 | 738.8 | 721.5 | 696.1 | 672.1 | 639.6 | 609.6 | 573.7 | 548.8 |
| 45° | 908.5 | 859.9 | 832.1 | 827.0 | 799.1 | 773.4 | 744.3 | 709.6 | 672.9 | 632.4 | 602.8 |
| 47.5° | 1048.6 | 979.4 | 932.1 | 923.7 | 885.3 | 851.5 | 821.1 | 782.7 | 738.8 | 693.6 | 661.1 |
| 50° | 1212.0 | 1109.8 | 1046.1 | 1033.0 | 981.5 | 941.8 | 903.0 | 854.9 | 808.0 | 760.7 | 723.1 |
| 52.5° | 1375.8 | 1266.0 | 1181.2 | 1165.1 | 1089.1 | 1036.0 | 984.9 | 936.8 | 881.5 | 834.6 | 792.0 |
| 55° | 1507.5 | 1434.5 | 1336.1 | 1313.7 | 1204.8 | 1132.6 | 1065.5 | 1010.6 | 955.7 | 918.6 | 868.4 |
| 57.5° | 1586.9 | 1583.1 | 1505.4 | 1474.6 | 1325.6 | 1218.7 | 1144.0 | 1081.6 | 1028.4 | 1012.7 | 946.0 |
| 60° | 1584.8 | 1683.1 | 1649.8 | 1626.5 | 1447.6 | 1307.0 | 1209.9 | 1142.3 | 1098.4 | 1116.2 | 1024.1 |
| 62.5° | 1488.1 | 1687.3 | 1727.4 | 1721.1 | 1577.6 | 1377.9 | 1263.9 | 1194.3 | 1171.0 | 1223.8 | 1105.2 |
| 63° | 1453.0 | 1677.6 | 1730.8 | 1728.3 | 1602.5 | 1391.4 | 1273.2 | 1204.4 | 1185.4 | 1251.3 | 1120.0 |
| 65° | 1228.0 | 1592.8 | 1689.9 | 1701.3 | 1656.1 | 1437.8 | 1294.7 | 1230.1 | 1228.0 | 1312.5 | 1155.0 |
| 67.5° | 748.5 | 1345.8 | 1505.4 | 1527.3 | 1580.5 | 1452.6 | 1282.5 | 1221.3 | 1251.7 | 1321.3 | 1144.5 |
| 70° | 320.0 | 888.2 | 1209.9 | 1245.3 | 1375.4 | 1379.2 | 1247.5 | 1185.0 | 1246.2 | 1252.1 | 1069.3 |
| 72.5° | 189.5 | 418.8 | 823.6 | 900.9 | 1088.3 | 1186.7 | 1167.2 | 1121.7 | 1174.0 | 1099.7 | 910.6 |
| 75° | 134.2 | 195.9 | 418.4 | 500.7 | 757.8 | 905.9 | 980.7 | 1001.8 | 999.7 | 872.2 | 683.5 |
| 77.5° | 96.3 | 125.8 | 176.5 | 208.1 | 423.0 | 581.7 | 672.9 | 734.5 | 714.7 | 583.8 | 421.3 |
| 80° | 67.1 | 87.0 | 108.1 | 114.8 | 196.3 | 298.9 | 354.6 | 381.6 | 369.8 | 291.7 | 188.7 |
| 82.5° | 48.5 | 57.0 | 69.7 | 73.9 | 98.8 | 138.0 | 164.2 | 144.8 | 138.9 | 107.6 | 81.5 |
| 85° | 37.6 | 36.7 | 43.5 | 45.2 | 57.8 | 72.2 | 73.9 | 57.4 | 50.2 | 44.7 | 45.6 |
| 87.5° | 26.6 | 22.8 | 23.2 | 24.1 | 30.0 | 38.4 | 37.6 | 23.6 | 20.3 | 21.5 | 24.5 |
| 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: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5° | 274.8 | 275.2 | 276.1 | 276.5 | 277.4 | 277.4 | 278.2 | 278.6 | 279.5 | 280.3 | 280.7 |
| 5° | 279.9 | 281.2 | 282.8 | 283.7 | 285.4 | 286.6 | 288.3 | 289.2 | 290.9 | 292.1 | 293.8 |
| 7.5° | 287.5 | 289.6 | 291.7 | 294.2 | 296.8 | 298.9 | 300.6 | 302.7 | 305.6 | 307.7 | 309.0 |
| 10° | 294.7 | 297.6 | 301.4 | 304.4 | 308.2 | 311.1 | 313.7 | 317.5 | 320.8 | 323.8 | 325.5 |
| 12.5° | 303.9 | 307.7 | 311.5 | 316.2 | 321.3 | 325.1 | 328.9 | 333.9 | 338.6 | 341.9 | 343.6 |
| 15° | 314.9 | 319.6 | 323.8 | 329.3 | 335.2 | 340.3 | 345.7 | 351.2 | 354.6 | 354.6 | 353.8 |
| 17.5° | 326.3 | 330.1 | 335.2 | 341.5 | 349.5 | 355.9 | 358.8 | 359.7 | 358.4 | 355.5 | 353.3 |
| 20° | 337.7 | 341.1 | 346.6 | 354.2 | 362.6 | 363.9 | 360.9 | 357.1 | 353.3 | 348.3 | 344.9 |
| 22.5° | 347.0 | 351.7 | 360.1 | 369.0 | 369.4 | 362.2 | 354.2 | 347.9 | 341.9 | 336.0 | 329.7 |
| 25° | 358.0 | 364.3 | 375.7 | 379.1 | 368.1 | 354.6 | 343.2 | 333.9 | 324.2 | 314.5 | 307.3 |
| 27.5° | 371.5 | 380.8 | 392.2 | 382.5 | 360.9 | 341.9 | 326.3 | 312.4 | 299.7 | 286.2 | 278.2 |
| 30° | 385.8 | 400.2 | 402.7 | 377.4 | 348.7 | 324.2 | 303.1 | 282.0 | 266.0 | 253.7 | 249.1 |
| 32.5° | 403.2 | 421.7 | 406.5 | 368.5 | 332.2 | 300.1 | 271.9 | 246.5 | 233.0 | 225.4 | 223.3 |
| 35° | 429.3 | 444.5 | 408.6 | 359.3 | 313.2 | 271.4 | 236.0 | 215.7 | 207.3 | 202.2 | 199.7 |
| 37.5° | 466.9 | 466.5 | 408.2 | 347.9 | 291.3 | 240.2 | 207.3 | 192.9 | 186.2 | 181.9 | 177.3 |
| 40° | 510.8 | 483.4 | 405.7 | 331.4 | 261.7 | 210.2 | 187.4 | 173.9 | 167.6 | 162.5 | 157.0 |
| 42.5° | 554.3 | 494.8 | 398.5 | 306.9 | 225.0 | 188.7 | 173.1 | 160.8 | 154.1 | 148.6 | 141.0 |
| 45° | 591.9 | 499.4 | 384.6 | 273.1 | 192.1 | 171.8 | 163.8 | 153.2 | 145.2 | 136.8 | 130.9 |
| 47.5° | 621.4 | 498.6 | 362.2 | 233.4 | 170.1 | 160.0 | 156.2 | 149.0 | 139.3 | 128.8 | 121.2 |
| 50° | 646.3 | 492.2 | 331.8 | 198.4 | 155.4 | 149.4 | 148.2 | 146.1 | 130.4 | 121.6 | 116.9 |
| 52.5° | 669.1 | 482.9 | 299.3 | 174.8 | 142.7 | 137.6 | 140.2 | 138.0 | 127.1 | 119.5 | 114.8 |
| 55° | 700.3 | 476.6 | 267.2 | 156.6 | 127.9 | 126.6 | 128.8 | 131.7 | 125.0 | 117.8 | 112.7 |
| 57.5° | 737.1 | 480.0 | 242.7 | 136.4 | 114.0 | 114.8 | 122.0 | 126.2 | 122.8 | 115.2 | 110.2 |
| 60° | 779.3 | 490.1 | 221.2 | 116.9 | 102.6 | 104.7 | 115.2 | 121.2 | 120.7 | 111.9 | 106.0 |
| 62.5° | 826.6 | 500.7 | 187.0 | 102.2 | 92.9 | 96.3 | 107.2 | 114.8 | 116.1 | 108.5 | 101.3 |
| 63° | 835.9 | 501.5 | 178.1 | 99.2 | 91.2 | 95.0 | 105.1 | 113.1 | 114.8 | 107.6 | 100.5 |
| 65° | 858.7 | 493.9 | 143.5 | 91.2 | 84.4 | 88.7 | 98.8 | 106.0 | 109.3 | 103.0 | 97.1 |
| 67.5° | 839.7 | 431.9 | 108.1 | 81.5 | 78.9 | 81.9 | 90.8 | 97.5 | 100.5 | 97.5 | 91.6 |
| 70° | 767.9 | 314.1 | 84.4 | 72.6 | 73.0 | 75.1 | 81.9 | 88.2 | 91.6 | 90.8 | 85.3 |
| 72.5° | 618.5 | 178.1 | 70.5 | 65.0 | 66.3 | 68.8 | 73.5 | 79.4 | 82.3 | 81.9 | 78.1 |
| 75° | 407.4 | 91.2 | 59.5 | 58.3 | 59.1 | 61.2 | 64.6 | 69.2 | 72.6 | 72.2 | 70.5 |
| 77.5° | 201.8 | 63.3 | 51.1 | 51.5 | 51.9 | 53.6 | 56.1 | 60.4 | 62.5 | 62.9 | 62.5 |
| 80° | 83.2 | 49.4 | 43.9 | 44.3 | 44.7 | 46.0 | 47.7 | 51.5 | 52.8 | 53.6 | 54.0 |
| 82.5° | 49.8 | 37.6 | 35.0 | 35.9 | 36.3 | 37.6 | 38.8 | 42.2 | 43.5 | 44.7 | 44.7 |
| 85° | 32.9 | 26.2 | 25.3 | 26.2 | 27.0 | 27.9 | 28.3 | 30.4 | 32.5 | 34.2 | 35.0 |
| 87.5° | 17.7 | 15.6 | 15.2 | 15.6 | 15.6 | 16.5 | 17.3 | 19.4 | 22.0 | 23.6 | 24.5 |
| 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: P239104

CATALOG NUMBER: ARCH-AF24-20-D-U-T2U-7030

CANDELA DISTRIBUTION (continued):

| | 160° | 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|
| 0° | 273.1 | 273.1 | 273.1 | 273.1 | 273.1 |
| 2.5° | 279.9 | 280.3 | 279.9 | 280.3 | 280.7 |
| 5° | 293.8 | 294.7 | 294.2 | 294.2 | 295.9 |
| 7.5° | 309.9 | 311.5 | 311.5 | 312.4 | 313.2 |
| 10° | 327.2 | 328.9 | 330.1 | 330.1 | 331.4 |
| 12.5° | 344.5 | 345.3 | 346.6 | 346.6 | 346.6 |
| 15° | 353.3 | 352.9 | 352.5 | 352.1 | 352.1 |
| 17.5° | 352.1 | 350.4 | 349.5 | 348.7 | 349.1 |
| 20° | 342.8 | 339.8 | 339.0 | 337.7 | 338.6 |
| 22.5° | 326.7 | 322.5 | 320.8 | 318.7 | 319.6 |
| 25° | 302.7 | 297.6 | 296.8 | 294.2 | 295.5 |
| 27.5° | 274.8 | 272.3 | 271.9 | 271.4 | 273.6 |
| 30° | 248.6 | 249.5 | 249.9 | 250.8 | 252.9 |
| 32.5° | 224.6 | 226.3 | 226.7 | 227.1 | 230.1 |
| 35° | 200.9 | 198.8 | 200.9 | 200.1 | 202.6 |
| 37.5° | 175.2 | 173.5 | 171.8 | 169.7 | 171.4 |
| 40° | 153.7 | 150.7 | 145.6 | 143.1 | 143.5 |
| 42.5° | 136.8 | 133.0 | 128.8 | 126.2 | 126.2 |
| 45° | 125.8 | 121.2 | 117.4 | 115.7 | 115.7 |
| 47.5° | 117.4 | 115.2 | 113.1 | 111.9 | 111.9 |
| 50° | 114.0 | 111.4 | 110.2 | 109.3 | 109.3 |
| 52.5° | 111.4 | 108.9 | 107.6 | 106.8 | 106.0 |
| 55° | 109.3 | 105.5 | 104.3 | 103.8 | 103.8 |
| 57.5° | 106.4 | 103.0 | 101.3 | 100.9 | 100.9 |
| 60° | 101.7 | 99.2 | 97.5 | 97.1 | 97.1 |
| 62.5° | 97.1 | 94.6 | 92.9 | 92.9 | 92.9 |
| 63° | 96.3 | 93.3 | 92.0 | 92.0 | 92.0 |
| 65° | 92.5 | 89.5 | 88.2 | 88.2 | 87.8 |
| 67.5° | 87.4 | 84.4 | 83.6 | 83.6 | 82.7 |
| 70° | 81.5 | 78.9 | 78.1 | 78.5 | 76.8 |
| 72.5° | 75.6 | 73.0 | 71.8 | 71.8 | 70.1 |
| 75° | 68.8 | 66.3 | 64.6 | 64.2 | 62.5 |
| 77.5° | 61.2 | 59.1 | 57.4 | 55.7 | 54.9 |
| 80° | 53.2 | 51.5 | 49.4 | 48.1 | 46.9 |
| 82.5° | 44.7 | 43.1 | 41.8 | 43.5 | 37.1 |
| 85° | 35.0 | 33.3 | 31.7 | 34.2 | 26.6 |
| 87.5° | 25.8 | 24.9 | 23.2 | 20.3 | 17.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)