

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1207799

Luminaire Tested: UPW-SA1-030-730-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-730-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4348 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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

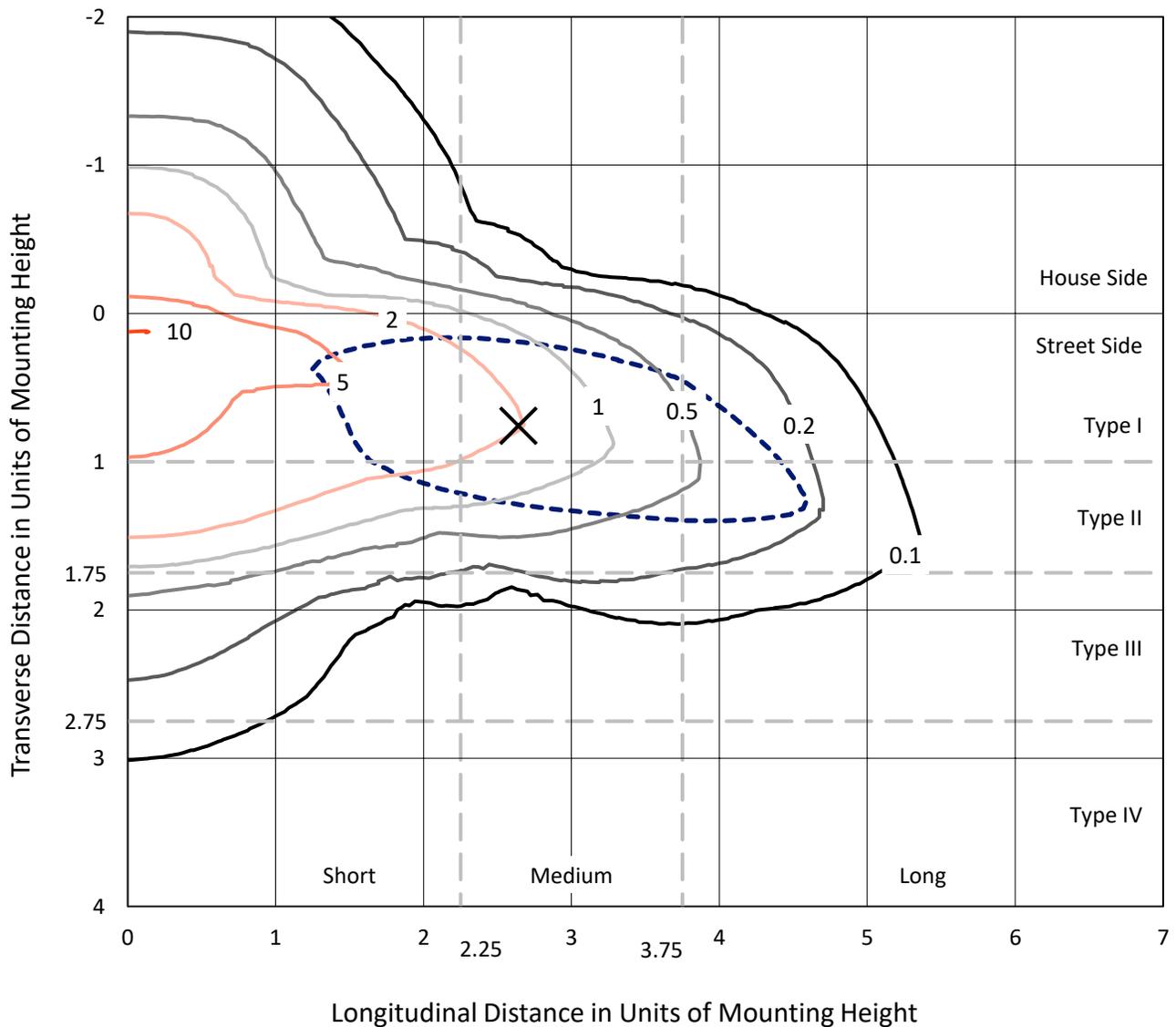


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

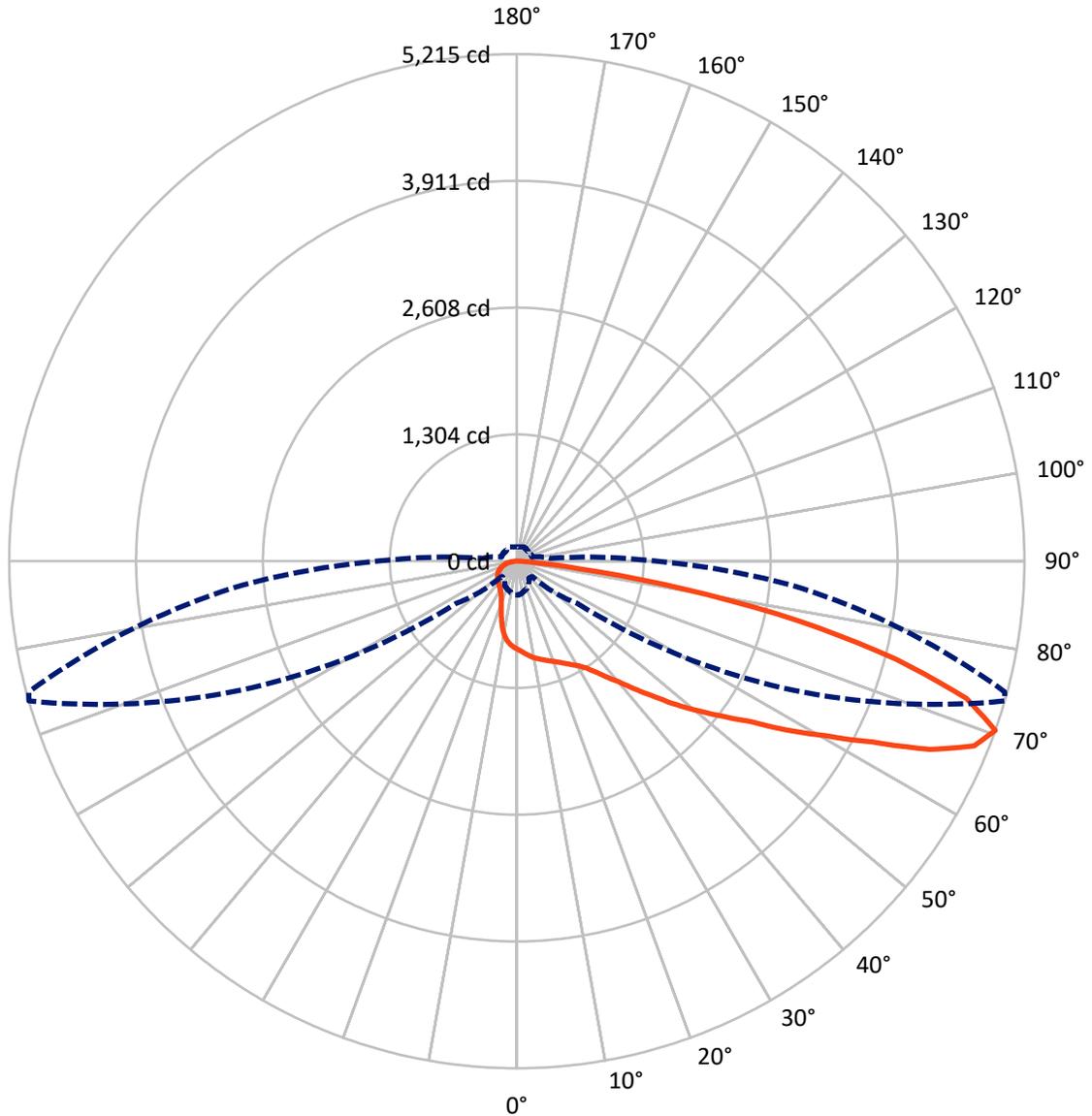


Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 795.8 | 0.0 | 795.8 |
| | % Fixture | 18.3 | 0.0 | 18.3 |
| Street Side | Lumens | 3552.2 | 0.0 | 3552.2 |
| | % Fixture | 81.7 | 0.0 | 81.7 |
| Total | Lumens | 4348.0 | 0.0 | 4348.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 79.5 | 1.8 |
| 10°-20° | 209.2 | 4.8 |
| 20°-30° | 331.2 | 7.6 |
| 30°-40° | 493.6 | 11.4 |
| 40°-50° | 680.6 | 15.7 |
| 50°-60° | 912.8 | 21.0 |
| 60°-70° | 947.3 | 21.8 |
| 70°-80° | 599.4 | 13.8 |
| 80°-90° | 94.4 | 2.2 |
| 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° | 4348.0 | 100.0 |
| 0°-180° | 4348.0 | 100.0 |



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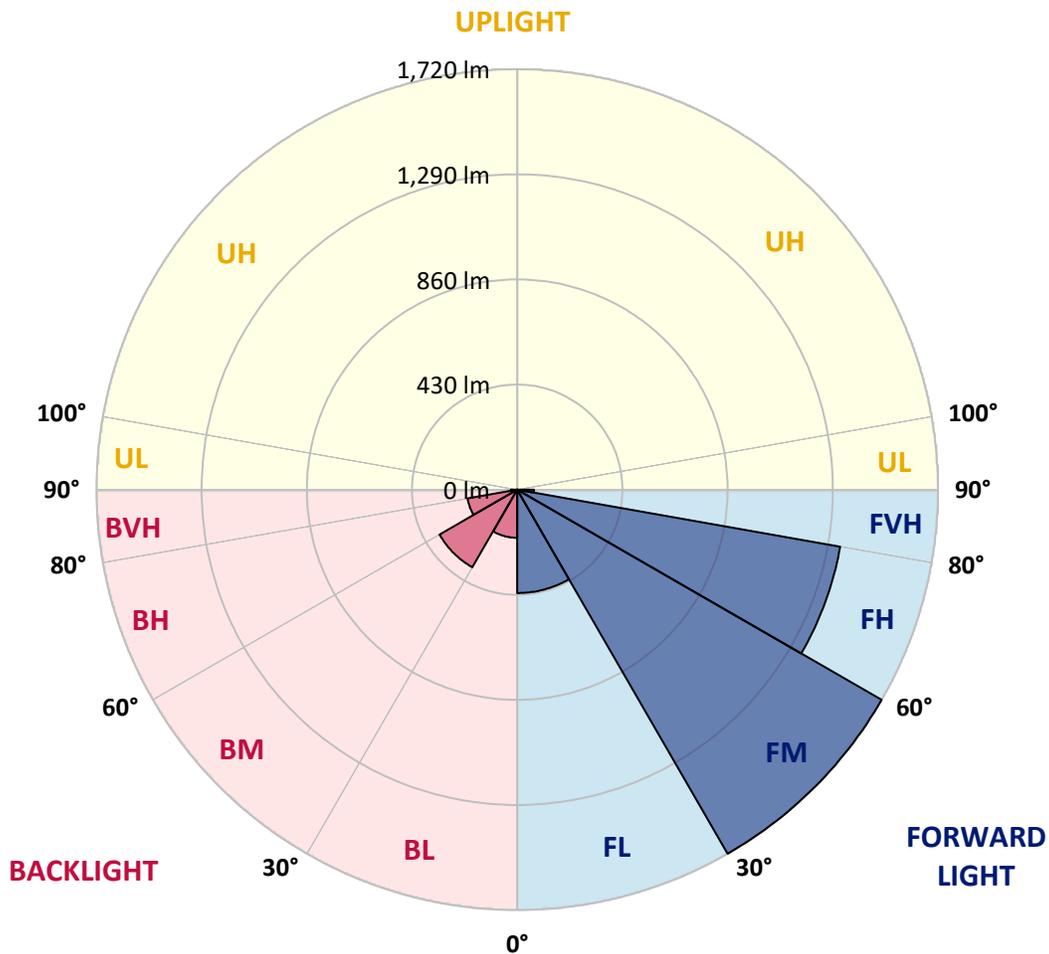
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 423.0 | 9.7 | | | |
| FM (30°-60°) | 1720.0 | 39.6 | | | |
| FH (60°-80°) | 1340.6 | 30.8 | | | G1/1800 |
| FVH (80°-90°) | 68.6 | 1.6 | | | G1/100 |
| BL (0°-30°) | 197.0 | 4.5 | B1/500 | | |
| BM (30°-60°) | 367.0 | 8.4 | B1/1000 | | |
| BH (60°-80°) | 206.1 | 4.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 25.8 | 0.6 | | | 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 Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 74° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 |
| 2.5° | 968.2 | 966.7 | 963.3 | 963.3 | 961.8 | 958.4 | 948.7 | 938.5 | 928.8 | 927.8 | 915.1 |
| 5° | 1008.1 | 1005.6 | 1005.1 | 1005.1 | 1003.2 | 999.8 | 986.7 | 972.6 | 958.4 | 955.5 | 932.7 |
| 7.5° | 1027.0 | 1025.1 | 1025.6 | 1028.0 | 1031.9 | 1029.0 | 1017.3 | 1005.1 | 986.2 | 983.7 | 949.7 |
| 10° | 1016.8 | 1018.3 | 1024.1 | 1037.7 | 1047.5 | 1052.8 | 1043.1 | 1031.9 | 1012.4 | 1009.5 | 963.3 |
| 12.5° | 952.1 | 956.5 | 975.0 | 1010.0 | 1047.0 | 1067.4 | 1066.9 | 1055.3 | 1031.9 | 1029.5 | 974.0 |
| 15° | 854.3 | 849.0 | 883.0 | 939.0 | 1006.1 | 1064.0 | 1083.0 | 1077.6 | 1054.3 | 1050.9 | 986.7 |
| 17.5° | 806.2 | 806.6 | 821.7 | 856.3 | 930.2 | 1036.3 | 1091.7 | 1100.0 | 1078.1 | 1073.7 | 1000.8 |
| 20° | 825.6 | 825.1 | 826.6 | 838.3 | 873.8 | 979.8 | 1092.2 | 1124.3 | 1101.5 | 1098.6 | 1013.4 |
| 22.5° | 881.1 | 879.1 | 874.8 | 865.0 | 866.0 | 929.7 | 1085.4 | 1151.1 | 1131.2 | 1125.3 | 1022.2 |
| 25° | 958.4 | 953.6 | 939.5 | 917.6 | 894.2 | 914.7 | 1067.9 | 1182.2 | 1165.2 | 1158.9 | 1031.4 |
| 27.5° | 1046.5 | 1045.5 | 1030.4 | 988.6 | 944.3 | 933.6 | 1048.0 | 1216.3 | 1205.6 | 1196.8 | 1041.6 |
| 30° | 1137.5 | 1132.1 | 1118.0 | 1073.3 | 1017.3 | 975.0 | 1042.1 | 1253.8 | 1248.4 | 1237.2 | 1049.9 |
| 32.5° | 1187.1 | 1184.7 | 1175.4 | 1148.2 | 1099.5 | 1034.8 | 1059.2 | 1292.2 | 1309.7 | 1301.4 | 1067.9 |
| 35° | 1226.5 | 1222.1 | 1212.4 | 1201.2 | 1176.4 | 1113.6 | 1098.6 | 1338.4 | 1401.2 | 1386.6 | 1106.3 |
| 37.5° | 1264.0 | 1259.1 | 1252.3 | 1241.6 | 1225.5 | 1189.1 | 1156.0 | 1401.7 | 1517.0 | 1506.7 | 1164.7 |
| 40° | 1305.8 | 1300.5 | 1291.7 | 1284.4 | 1262.0 | 1250.8 | 1210.0 | 1462.0 | 1641.0 | 1636.2 | 1234.8 |
| 42.5° | 1337.4 | 1331.6 | 1327.2 | 1322.4 | 1298.0 | 1277.1 | 1252.3 | 1519.4 | 1808.4 | 1796.2 | 1327.7 |
| 45° | 1360.8 | 1357.4 | 1357.4 | 1351.5 | 1335.5 | 1278.1 | 1282.0 | 1596.3 | 1988.4 | 1984.5 | 1456.1 |
| 47.5° | 1386.1 | 1381.7 | 1384.1 | 1378.8 | 1373.9 | 1279.1 | 1318.5 | 1698.9 | 2204.9 | 2201.5 | 1599.7 |
| 50° | 1416.3 | 1411.9 | 1421.6 | 1413.8 | 1415.8 | 1308.2 | 1370.5 | 1827.4 | 2419.0 | 2410.7 | 1752.4 |
| 52.5° | 1420.1 | 1419.2 | 1443.5 | 1461.0 | 1475.1 | 1374.9 | 1458.6 | 1980.6 | 2653.0 | 2653.0 | 1930.5 |
| 55° | 1341.3 | 1339.4 | 1386.6 | 1461.0 | 1540.3 | 1502.9 | 1622.1 | 2220.5 | 2911.8 | 2918.6 | 2089.1 |
| 57.5° | 1089.3 | 1098.6 | 1178.3 | 1324.8 | 1536.9 | 1685.3 | 1863.9 | 2512.4 | 3276.7 | 3254.3 | 2244.8 |
| 60° | 692.8 | 706.4 | 770.2 | 971.6 | 1307.3 | 1716.0 | 2124.1 | 2883.1 | 3646.9 | 3604.1 | 2450.6 |
| 62.5° | 457.8 | 446.1 | 447.1 | 542.0 | 841.2 | 1442.0 | 2175.2 | 3322.4 | 4093.6 | 4062.4 | 2633.5 |
| 65° | 407.2 | 398.9 | 357.6 | 332.8 | 408.7 | 900.5 | 1849.7 | 3639.2 | 4667.7 | 4580.6 | 2773.6 |
| 67.5° | 386.3 | 378.0 | 339.6 | 301.2 | 257.4 | 460.2 | 1314.6 | 3580.8 | 5068.5 | 5013.6 | 2877.3 |
| 70° | 349.8 | 344.9 | 313.8 | 284.1 | 215.0 | 222.3 | 758.5 | 3143.4 | 5215.0 | 5188.7 | 2830.1 |
| 72.5° | 304.1 | 298.2 | 277.3 | 256.9 | 188.8 | 164.0 | 363.9 | 2491.9 | 4830.2 | 4828.2 | 2630.1 |
| 75° | 249.1 | 244.2 | 227.2 | 220.4 | 159.6 | 134.3 | 206.8 | 1750.0 | 4024.0 | 4002.6 | 2337.7 |
| 77.5° | 203.9 | 197.0 | 185.4 | 180.0 | 132.3 | 108.0 | 145.5 | 1221.6 | 2969.7 | 2913.8 | 1636.2 |
| 80° | 147.9 | 143.5 | 132.3 | 145.0 | 104.6 | 83.7 | 108.0 | 759.9 | 1745.1 | 1631.3 | 613.0 |
| 82.5° | 90.0 | 81.2 | 91.5 | 110.9 | 77.4 | 59.8 | 79.3 | 423.8 | 625.7 | 549.8 | 182.9 |
| 85° | 41.8 | 42.8 | 53.5 | 71.0 | 46.2 | 35.0 | 49.6 | 185.4 | 181.5 | 173.7 | 76.9 |
| 87.5° | 6.8 | 7.3 | 20.4 | 31.1 | 19.5 | 11.7 | 19.9 | 40.9 | 68.6 | 70.5 | 33.1 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 | 905.4 |
| 2.5° | 907.4 | 899.6 | 885.5 | 869.9 | 852.4 | 836.3 | 829.5 | 807.1 | 801.8 | 800.3 | 789.1 |
| 5° | 916.6 | 899.6 | 862.6 | 818.8 | 767.7 | 721.5 | 670.4 | 629.6 | 606.7 | 604.7 | 607.7 |
| 7.5° | 925.8 | 899.1 | 831.5 | 742.9 | 652.4 | 562.9 | 508.4 | 476.3 | 453.9 | 448.6 | 450.0 |
| 10° | 930.7 | 892.3 | 783.8 | 647.6 | 522.5 | 457.3 | 426.2 | 415.0 | 411.6 | 408.7 | 408.7 |
| 12.5° | 931.7 | 877.2 | 720.5 | 544.9 | 446.1 | 414.5 | 405.8 | 402.8 | 402.4 | 401.9 | 400.9 |
| 15° | 932.7 | 858.2 | 639.8 | 465.6 | 411.6 | 401.4 | 398.0 | 397.5 | 398.5 | 398.0 | 398.0 |
| 17.5° | 931.7 | 832.4 | 561.4 | 419.9 | 398.9 | 395.1 | 393.1 | 392.6 | 394.1 | 393.6 | 393.1 |
| 20° | 928.3 | 799.3 | 485.1 | 396.5 | 390.2 | 389.2 | 386.8 | 384.8 | 386.8 | 387.3 | 386.8 |
| 22.5° | 915.1 | 750.7 | 430.1 | 381.9 | 381.9 | 381.9 | 379.0 | 376.6 | 380.0 | 380.9 | 381.4 |
| 25° | 894.7 | 692.3 | 389.2 | 369.8 | 372.2 | 371.2 | 371.2 | 370.7 | 374.1 | 375.1 | 375.6 |
| 27.5° | 873.3 | 631.5 | 360.5 | 356.6 | 360.5 | 362.9 | 367.3 | 367.8 | 367.8 | 366.8 | 366.3 |
| 30° | 846.1 | 565.3 | 342.0 | 344.9 | 350.3 | 359.1 | 366.8 | 365.9 | 362.5 | 359.1 | 359.5 |
| 32.5° | 824.2 | 511.8 | 324.0 | 334.7 | 344.5 | 357.1 | 363.9 | 365.4 | 364.9 | 359.1 | 359.1 |
| 35° | 815.9 | 469.0 | 311.9 | 326.0 | 340.6 | 352.2 | 355.2 | 361.5 | 360.5 | 353.2 | 352.7 |
| 37.5° | 821.2 | 434.5 | 301.2 | 316.7 | 334.7 | 340.6 | 346.9 | 348.3 | 336.2 | 328.4 | 326.5 |
| 40° | 832.9 | 409.2 | 291.4 | 305.0 | 325.0 | 329.9 | 338.6 | 325.5 | 315.3 | 308.9 | 309.9 |
| 42.5° | 865.5 | 398.5 | 282.7 | 291.9 | 310.4 | 321.6 | 318.2 | 314.3 | 300.2 | 290.0 | 289.0 |
| 45° | 917.1 | 398.0 | 274.9 | 278.3 | 293.9 | 305.5 | 305.0 | 300.7 | 285.6 | 274.9 | 273.4 |
| 47.5° | 987.6 | 407.7 | 266.6 | 265.6 | 278.3 | 285.6 | 292.4 | 285.6 | 270.0 | 257.9 | 256.4 |
| 50° | 1071.8 | 433.0 | 258.8 | 252.5 | 261.3 | 272.5 | 275.9 | 271.0 | 256.4 | 244.7 | 243.3 |
| 52.5° | 1173.0 | 468.0 | 252.0 | 240.8 | 243.3 | 258.8 | 266.6 | 262.2 | 245.7 | 233.0 | 231.1 |
| 55° | 1271.3 | 501.1 | 242.8 | 228.7 | 224.8 | 246.2 | 258.3 | 257.9 | 233.5 | 220.4 | 219.4 |
| 57.5° | 1372.0 | 532.3 | 232.6 | 218.4 | 212.1 | 232.6 | 249.6 | 251.5 | 220.9 | 206.8 | 206.8 |
| 60° | 1474.2 | 554.1 | 219.9 | 207.7 | 204.3 | 217.5 | 236.4 | 236.9 | 209.7 | 199.0 | 200.0 |
| 62.5° | 1557.8 | 541.0 | 207.3 | 197.5 | 195.1 | 202.9 | 221.9 | 226.2 | 208.7 | 197.0 | 198.0 |
| 65° | 1593.3 | 497.2 | 193.1 | 187.8 | 183.9 | 186.8 | 204.3 | 209.7 | 191.2 | 178.1 | 179.5 |
| 67.5° | 1570.5 | 433.5 | 179.0 | 176.6 | 171.3 | 170.3 | 181.5 | 184.9 | 171.3 | 163.0 | 162.0 |
| 70° | 1434.7 | 345.9 | 162.0 | 162.0 | 157.1 | 152.8 | 158.6 | 161.5 | 150.8 | 146.0 | 146.9 |
| 72.5° | 1241.6 | 281.2 | 145.5 | 147.4 | 140.6 | 134.8 | 138.2 | 139.6 | 133.3 | 130.9 | 129.9 |
| 75° | 1074.2 | 235.0 | 128.9 | 131.8 | 124.5 | 115.3 | 119.2 | 119.2 | 113.8 | 113.4 | 112.9 |
| 77.5° | 783.3 | 176.6 | 110.9 | 114.3 | 108.5 | 96.8 | 97.8 | 98.3 | 96.3 | 96.3 | 96.8 |
| 80° | 335.2 | 108.0 | 90.5 | 95.8 | 90.0 | 75.9 | 78.8 | 78.8 | 83.7 | 95.8 | 93.9 |
| 82.5° | 111.4 | 64.2 | 68.6 | 75.4 | 69.1 | 56.4 | 59.8 | 64.2 | 82.7 | 79.3 | 75.4 |
| 85° | 47.7 | 35.5 | 43.8 | 47.7 | 44.3 | 34.1 | 38.9 | 67.1 | 61.3 | 59.4 | 59.8 |
| 87.5° | 16.1 | 15.1 | 18.5 | 21.9 | 15.6 | 10.7 | 19.9 | 40.9 | 39.9 | 30.2 | 29.2 |
| 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)