

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: P1208680

Luminaire Tested: UPW-SA1-070-827-U-T3R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-827-U-T3R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6229 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

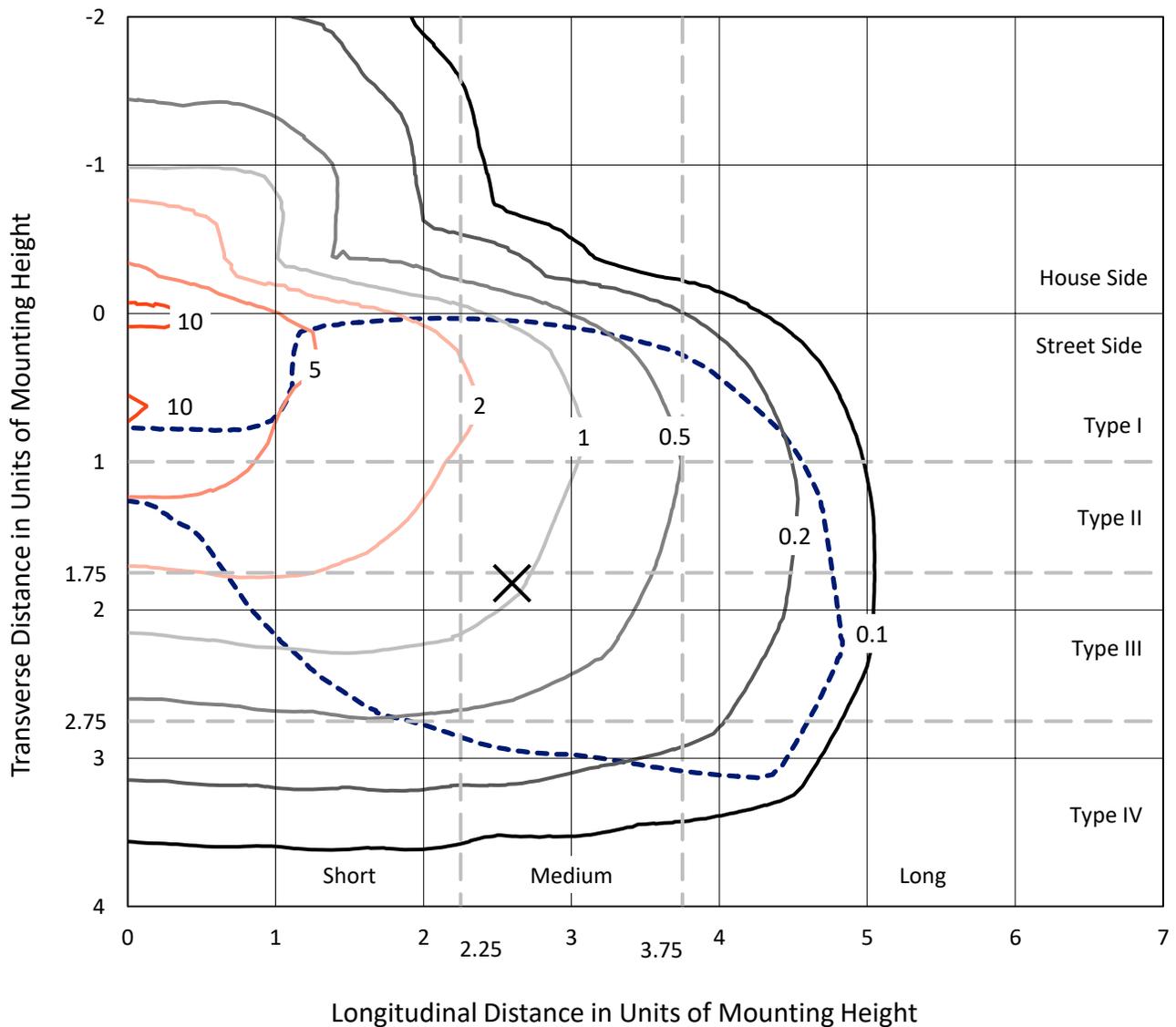


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Iso-Footcandle Lines of Horizontal Illumination

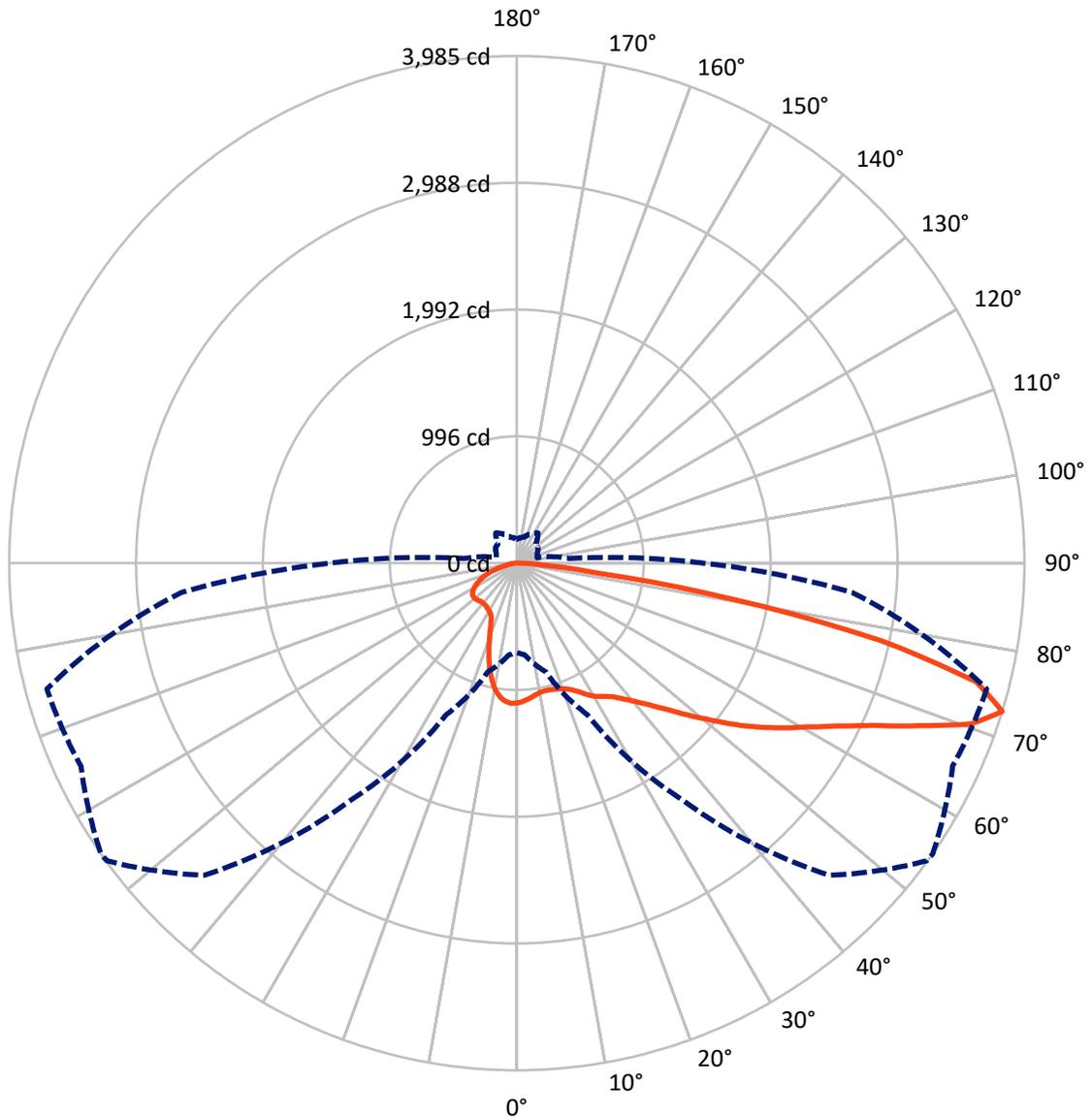
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1157.8 | 0.0 | 1157.8 |
| | % Fixture | 18.6 | 0.0 | 18.6 |
| Street Side | Lumens | 5071.2 | 0.0 | 5071.2 |
| | % Fixture | 81.4 | 0.0 | 81.4 |
| Total | Lumens | 6229.0 | 0.0 | 6229.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 99.4 | 1.6 |
| 10°-20° | 264.7 | 4.2 |
| 20°-30° | 436.4 | 7.0 |
| 30°-40° | 645.5 | 10.4 |
| 40°-50° | 901.0 | 14.5 |
| 50°-60° | 1173.2 | 18.8 |
| 60°-70° | 1441.8 | 23.1 |
| 70°-80° | 1130.2 | 18.1 |
| 80°-90° | 136.8 | 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° | 6229.0 | 100.0 |
| 0°-180° | 6229.0 | 100.0 |



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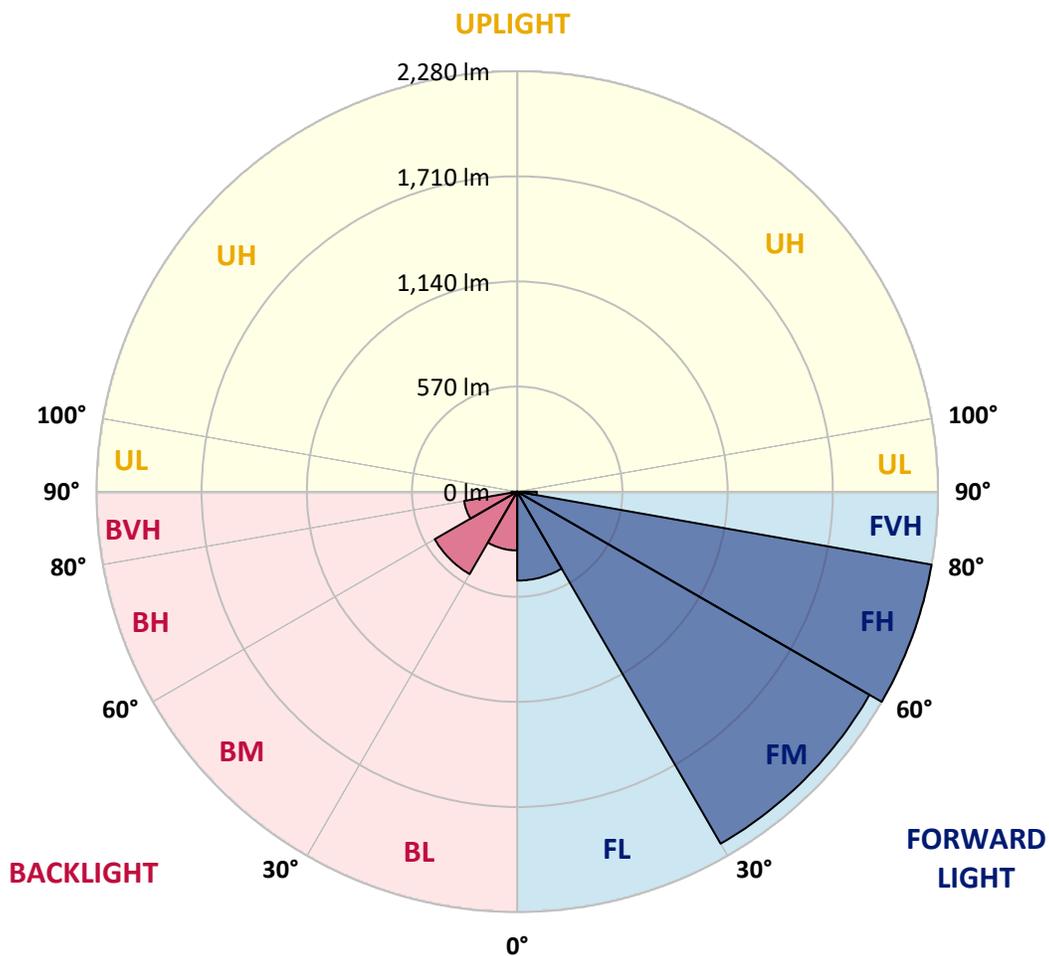
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 481.9 | 7.7 | | | |
| FM | (30°-60°) | 2203.9 | 35.4 | | | |
| FH | (60°-80°) | 2279.6 | 36.6 | | | G2/5000 |
| FVH | (80°-90°) | 105.7 | 1.7 | | | G2/225 |
| BL | (0°-30°) | 318.5 | 5.1 | B1/500 | | |
| BM | (30°-60°) | 515.8 | 8.3 | B1/1000 | | |
| BH | (60°-80°) | 292.4 | 4.7 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 31.0 | 0.5 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 54° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 |
| 2.5° | 1062.9 | 1060.4 | 1063.5 | 1067.9 | 1072.8 | 1079.3 | 1083.1 | 1084.8 | 1091.3 | 1093.8 | 1099.3 |
| 5° | 1013.7 | 1012.4 | 1017.7 | 1025.2 | 1036.0 | 1051.1 | 1063.3 | 1065.6 | 1082.9 | 1095.1 | 1106.2 |
| 7.5° | 977.9 | 977.9 | 984.0 | 993.0 | 1005.0 | 1025.4 | 1042.7 | 1045.9 | 1075.1 | 1101.4 | 1122.0 |
| 10° | 949.5 | 950.5 | 957.7 | 968.4 | 982.5 | 1004.2 | 1027.1 | 1030.7 | 1073.0 | 1116.1 | 1148.9 |
| 12.5° | 930.6 | 933.1 | 939.6 | 949.3 | 966.7 | 993.0 | 1022.1 | 1026.9 | 1077.4 | 1137.2 | 1181.3 |
| 15° | 942.6 | 946.8 | 947.4 | 951.4 | 961.1 | 989.7 | 1025.0 | 1030.1 | 1086.9 | 1158.6 | 1218.2 |
| 17.5° | 995.1 | 996.6 | 990.1 | 981.7 | 977.1 | 995.4 | 1033.9 | 1039.1 | 1098.2 | 1179.9 | 1253.5 |
| 20° | 1075.1 | 1074.3 | 1060.2 | 1037.4 | 1013.9 | 1016.8 | 1048.4 | 1053.8 | 1113.6 | 1198.6 | 1288.9 |
| 22.5° | 1176.1 | 1173.1 | 1151.5 | 1109.6 | 1069.4 | 1052.6 | 1073.8 | 1078.5 | 1136.7 | 1225.3 | 1326.7 |
| 25° | 1298.5 | 1292.0 | 1263.4 | 1207.2 | 1148.1 | 1104.8 | 1112.1 | 1116.5 | 1170.4 | 1255.2 | 1361.4 |
| 27.5° | 1427.7 | 1421.2 | 1384.8 | 1316.8 | 1238.2 | 1170.6 | 1164.9 | 1168.7 | 1208.7 | 1277.3 | 1387.1 |
| 30° | 1562.8 | 1555.8 | 1522.6 | 1446.4 | 1333.7 | 1238.8 | 1214.2 | 1215.6 | 1235.6 | 1289.3 | 1408.1 |
| 32.5° | 1698.5 | 1692.0 | 1654.7 | 1566.4 | 1437.4 | 1312.0 | 1249.7 | 1247.8 | 1251.8 | 1301.7 | 1431.9 |
| 35° | 1836.1 | 1838.6 | 1795.1 | 1697.2 | 1552.3 | 1393.4 | 1291.8 | 1287.8 | 1279.0 | 1327.1 | 1465.6 |
| 37.5° | 1983.4 | 1981.7 | 1925.3 | 1823.0 | 1672.4 | 1481.8 | 1352.2 | 1351.6 | 1321.0 | 1375.3 | 1518.4 |
| 40° | 2081.8 | 2082.9 | 2048.6 | 1951.8 | 1793.8 | 1579.6 | 1429.6 | 1428.1 | 1388.2 | 1447.5 | 1587.6 |
| 42.5° | 2120.3 | 2127.3 | 2136.1 | 2074.7 | 1920.9 | 1693.0 | 1522.0 | 1519.9 | 1481.8 | 1551.0 | 1669.0 |
| 45° | 2123.1 | 2136.9 | 2191.6 | 2183.9 | 2049.6 | 1822.8 | 1640.0 | 1634.1 | 1606.8 | 1688.6 | 1766.2 |
| 47.5° | 2099.5 | 2113.8 | 2204.7 | 2248.9 | 2164.7 | 1959.8 | 1778.0 | 1773.4 | 1749.8 | 1860.7 | 1871.4 |
| 50° | 2047.9 | 2061.6 | 2177.8 | 2280.6 | 2259.4 | 2091.5 | 1937.1 | 1924.9 | 1912.2 | 2059.5 | 1991.8 |
| 52.5° | 1951.4 | 1977.7 | 2141.8 | 2288.2 | 2316.0 | 2208.5 | 2104.3 | 2096.3 | 2103.3 | 2269.3 | 2112.3 |
| 55° | 1722.7 | 1752.1 | 2049.0 | 2281.9 | 2357.9 | 2306.7 | 2271.6 | 2271.2 | 2307.1 | 2489.3 | 2241.7 |
| 57.5° | 1594.6 | 1615.4 | 1860.1 | 2271.2 | 2407.5 | 2404.3 | 2437.2 | 2441.2 | 2511.2 | 2729.0 | 2377.2 |
| 60° | 1522.2 | 1544.1 | 1764.3 | 2231.4 | 2484.5 | 2530.6 | 2606.1 | 2614.1 | 2718.7 | 2994.3 | 2540.3 |
| 62.5° | 1456.3 | 1480.3 | 1705.0 | 2150.4 | 2575.2 | 2711.1 | 2808.5 | 2815.7 | 2938.3 | 3267.0 | 2697.8 |
| 65° | 1343.8 | 1370.9 | 1618.1 | 2097.2 | 2657.7 | 2946.5 | 3065.8 | 3070.7 | 3190.6 | 3552.7 | 2818.4 |
| 67.5° | 1184.7 | 1209.5 | 1454.2 | 1979.6 | 2718.7 | 3232.4 | 3407.9 | 3410.6 | 3440.7 | 3754.4 | 2880.0 |
| 70° | 998.9 | 1008.4 | 1220.7 | 1736.8 | 2646.5 | 3499.9 | 3782.8 | 3783.5 | 3668.8 | 3883.6 | 2869.9 |
| 72.5° | 701.9 | 724.2 | 886.2 | 1314.7 | 2274.3 | 3467.2 | 3977.4 | 3984.6 | 3774.8 | 3818.4 | 2640.6 |
| 75° | 430.5 | 454.0 | 555.9 | 796.8 | 1442.9 | 2726.9 | 3674.9 | 3724.6 | 3576.0 | 3404.5 | 2157.1 |
| 77.5° | 287.8 | 296.7 | 362.7 | 464.5 | 653.7 | 1568.9 | 2825.3 | 2918.8 | 2970.7 | 2482.8 | 1379.5 |
| 80° | 160.5 | 177.4 | 240.5 | 288.7 | 290.8 | 623.4 | 1694.1 | 1715.9 | 1652.8 | 988.6 | 425.6 |
| 82.5° | 85.0 | 94.3 | 160.5 | 169.6 | 158.6 | 208.7 | 631.4 | 632.0 | 528.1 | 265.1 | 126.4 |
| 85° | 65.9 | 73.6 | 110.0 | 103.5 | 81.0 | 92.6 | 208.3 | 219.6 | 179.7 | 108.6 | 41.2 |
| 87.5° | 32.8 | 40.8 | 74.7 | 65.6 | 31.8 | 26.5 | 74.5 | 79.5 | 70.9 | 42.5 | 14.9 |
| 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° | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 | 1098.7 |
| 2.5° | 1101.4 | 1103.3 | 1105.6 | 1103.1 | 1102.2 | 1098.9 | 1093.2 | 1091.9 | 1089.0 | 1089.2 | 1090.9 |
| 5° | 1111.1 | 1114.2 | 1113.0 | 1103.3 | 1091.7 | 1075.5 | 1058.7 | 1044.4 | 1034.9 | 1034.3 | 1033.7 |
| 7.5° | 1129.6 | 1131.7 | 1121.8 | 1094.2 | 1061.8 | 1024.4 | 989.0 | 958.1 | 939.4 | 934.8 | 933.7 |
| 10° | 1158.6 | 1158.2 | 1131.1 | 1075.5 | 1010.9 | 944.0 | 887.2 | 844.3 | 819.3 | 811.9 | 810.0 |
| 12.5° | 1191.0 | 1186.2 | 1134.2 | 1041.4 | 939.0 | 846.2 | 774.2 | 726.5 | 700.4 | 692.0 | 689.9 |
| 15° | 1224.5 | 1212.5 | 1126.4 | 990.5 | 850.6 | 740.8 | 665.3 | 621.1 | 607.0 | 602.3 | 601.5 |
| 17.5° | 1255.6 | 1232.5 | 1104.1 | 921.5 | 749.8 | 635.8 | 576.9 | 559.2 | 562.6 | 568.7 | 568.9 |
| 20° | 1286.1 | 1245.9 | 1068.4 | 834.4 | 643.6 | 549.3 | 529.3 | 542.4 | 558.4 | 570.8 | 572.5 |
| 22.5° | 1316.2 | 1255.4 | 1022.3 | 733.8 | 548.5 | 500.7 | 514.8 | 538.6 | 556.9 | 570.4 | 572.7 |
| 25° | 1341.5 | 1257.7 | 958.8 | 626.5 | 482.4 | 482.4 | 507.9 | 530.4 | 548.5 | 561.7 | 564.1 |
| 27.5° | 1350.7 | 1242.1 | 869.1 | 527.2 | 449.2 | 474.0 | 498.2 | 516.9 | 532.3 | 546.4 | 548.9 |
| 30° | 1354.3 | 1213.3 | 765.6 | 447.5 | 435.5 | 465.0 | 485.2 | 501.2 | 515.7 | 528.9 | 531.2 |
| 32.5° | 1354.9 | 1178.6 | 655.8 | 402.3 | 426.0 | 455.5 | 469.0 | 483.1 | 498.6 | 503.9 | 504.7 |
| 35° | 1358.9 | 1137.6 | 540.1 | 379.1 | 417.2 | 446.7 | 457.4 | 467.5 | 442.2 | 444.1 | 445.8 |
| 37.5° | 1370.5 | 1097.0 | 443.3 | 366.1 | 411.5 | 442.0 | 454.9 | 418.3 | 398.5 | 393.9 | 393.2 |
| 40° | 1392.2 | 1053.6 | 371.6 | 355.6 | 409.4 | 444.3 | 438.7 | 390.5 | 356.4 | 330.9 | 327.2 |
| 42.5° | 1422.2 | 1006.9 | 325.7 | 348.6 | 410.9 | 455.5 | 416.2 | 363.8 | 307.2 | 290.8 | 288.7 |
| 45° | 1456.1 | 957.9 | 300.9 | 343.8 | 415.9 | 464.1 | 411.5 | 328.2 | 284.2 | 271.8 | 270.8 |
| 47.5° | 1488.9 | 897.9 | 288.0 | 341.7 | 422.9 | 457.2 | 392.0 | 317.3 | 273.3 | 266.8 | 267.4 |
| 50° | 1526.6 | 843.9 | 280.2 | 339.4 | 429.0 | 452.8 | 369.9 | 311.6 | 269.1 | 277.1 | 285.5 |
| 52.5° | 1558.4 | 787.9 | 273.3 | 334.7 | 431.3 | 445.0 | 364.2 | 312.6 | 269.1 | 284.4 | 292.4 |
| 55° | 1596.0 | 745.6 | 265.3 | 325.1 | 426.9 | 422.9 | 360.2 | 319.0 | 272.2 | 262.6 | 263.4 |
| 57.5° | 1644.6 | 731.7 | 256.5 | 309.9 | 412.2 | 390.7 | 358.3 | 325.1 | 270.4 | 264.3 | 266.4 |
| 60° | 1712.0 | 746.5 | 252.9 | 290.1 | 389.2 | 365.4 | 358.5 | 321.9 | 257.1 | 246.6 | 246.8 |
| 62.5° | 1776.1 | 762.9 | 252.7 | 277.7 | 361.0 | 342.9 | 353.7 | 311.6 | 250.4 | 244.3 | 246.6 |
| 65° | 1797.2 | 746.3 | 242.6 | 263.8 | 329.3 | 316.0 | 344.8 | 300.6 | 245.3 | 236.1 | 235.6 |
| 67.5° | 1769.0 | 694.7 | 222.2 | 241.3 | 292.9 | 284.7 | 333.3 | 287.6 | 237.3 | 229.7 | 228.5 |
| 70° | 1685.2 | 579.6 | 196.9 | 211.7 | 251.4 | 249.3 | 315.0 | 272.5 | 226.6 | 220.1 | 214.6 |
| 72.5° | 1459.9 | 413.0 | 166.0 | 176.1 | 204.7 | 211.4 | 289.7 | 252.7 | 211.4 | 197.3 | 188.9 |
| 75° | 1199.0 | 305.7 | 136.3 | 138.4 | 155.5 | 173.8 | 255.0 | 229.5 | 193.6 | 169.6 | 163.1 |
| 77.5° | 734.3 | 187.0 | 108.6 | 109.4 | 111.5 | 138.6 | 210.0 | 203.7 | 170.8 | 141.4 | 136.8 |
| 80° | 237.7 | 102.0 | 78.5 | 82.5 | 76.2 | 101.6 | 162.4 | 173.4 | 146.6 | 118.2 | 113.2 |
| 82.5° | 90.5 | 59.5 | 53.0 | 55.8 | 52.8 | 68.2 | 118.5 | 138.9 | 120.1 | 97.2 | 79.1 |
| 85° | 43.8 | 33.7 | 31.3 | 35.1 | 32.6 | 34.9 | 75.7 | 102.3 | 91.1 | 63.3 | 58.9 |
| 87.5° | 15.6 | 14.9 | 12.0 | 16.2 | 13.9 | 12.4 | 23.1 | 51.5 | 60.2 | 43.6 | 38.9 |
| 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)