

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: P1208422

Luminaire Tested: UPW-SA1-060-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5269 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 58
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

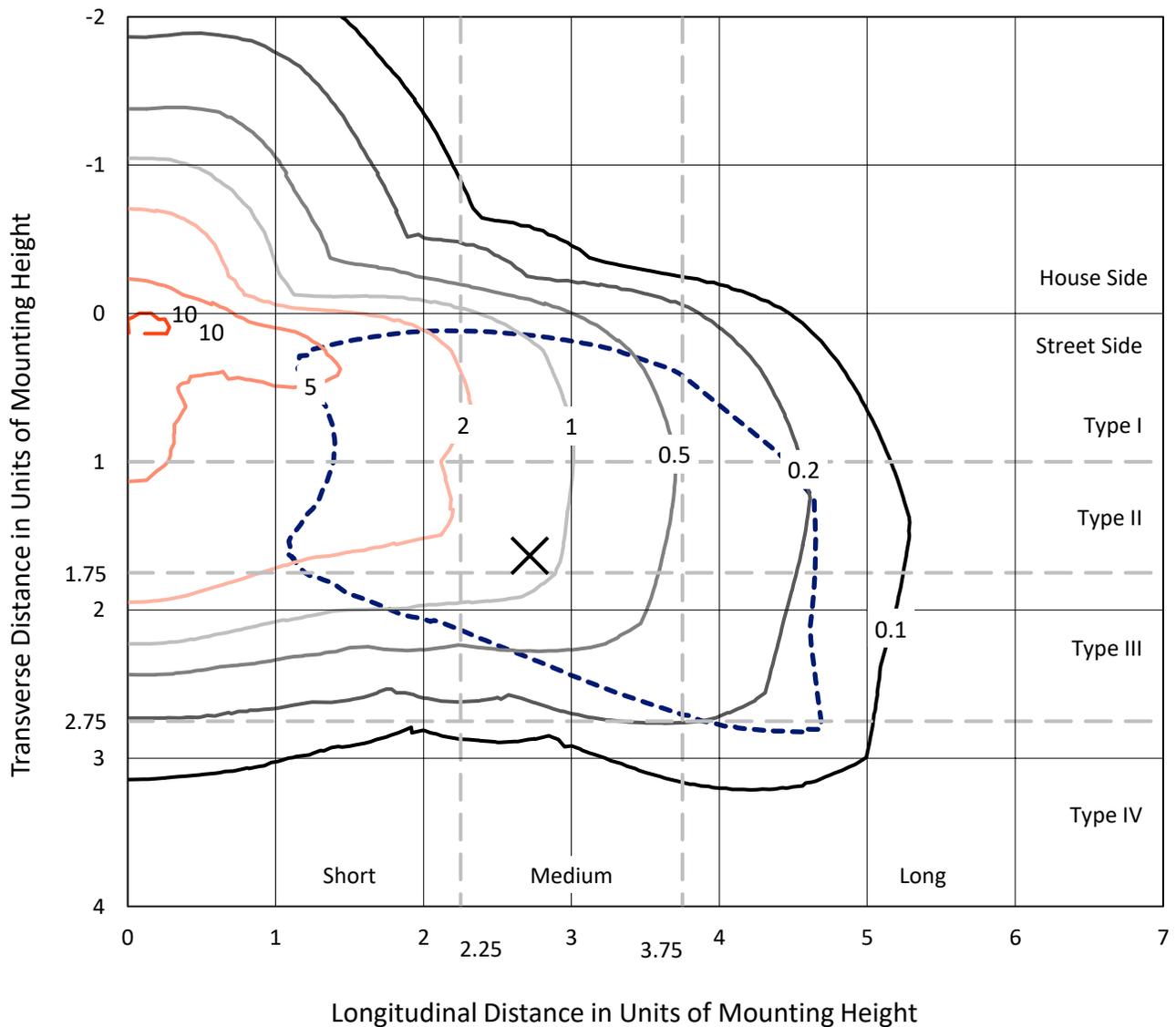


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

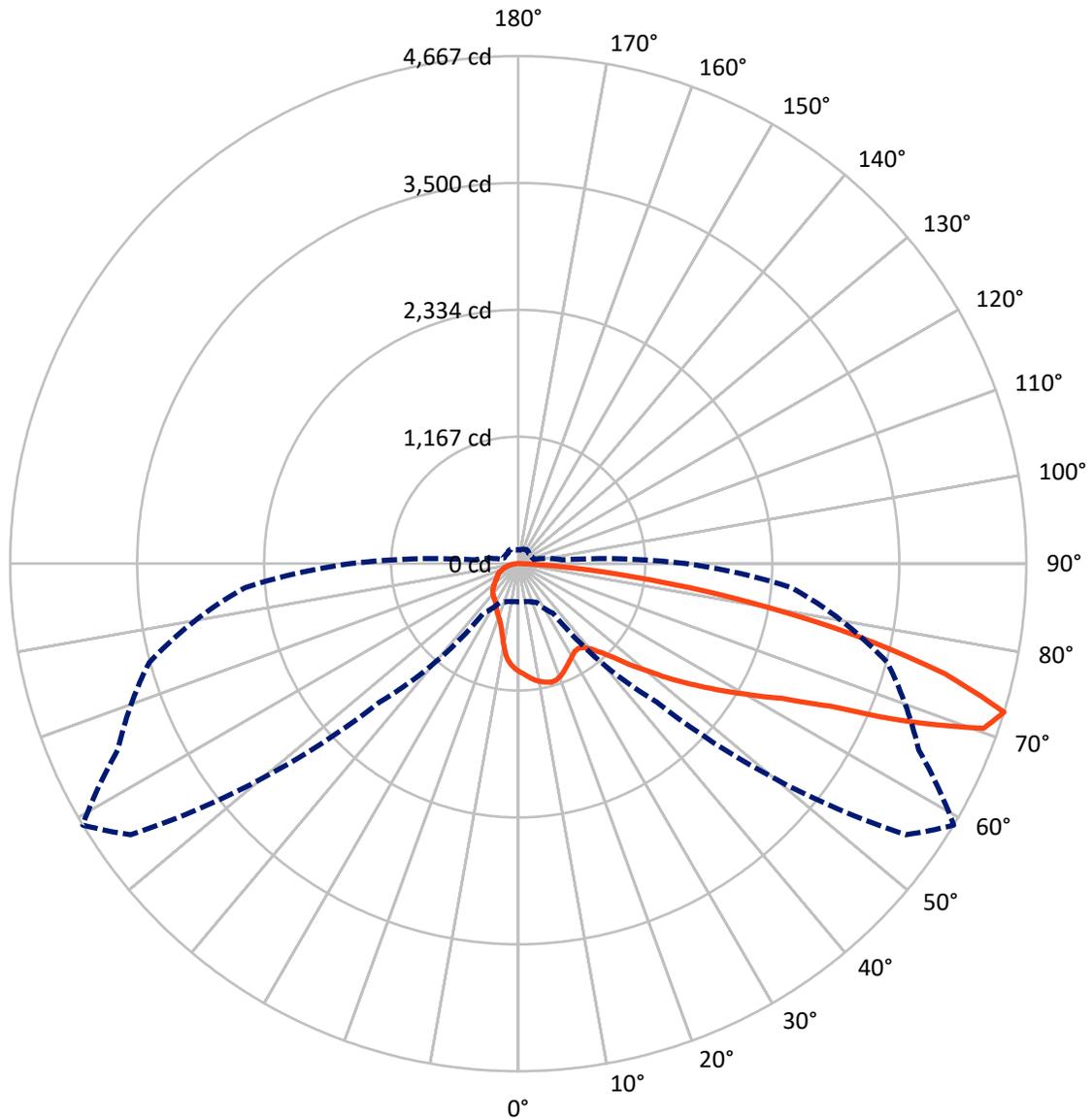


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 896.6 | 0.0 | 896.6 |
| | % Fixture | 17.0 | 0.0 | 17.0 |
| Street Side | Lumens | 4372.4 | 0.0 | 4372.4 |
| | % Fixture | 83.0 | 0.0 | 83.0 |
| Total | Lumens | 5269.0 | 0.0 | 5269.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 89.2 | 1.7 |
| 10°-20° | 227.6 | 4.3 |
| 20°-30° | 334.7 | 6.4 |
| 30°-40° | 459.9 | 8.7 |
| 40°-50° | 687.0 | 13.0 |
| 50°-60° | 1046.9 | 19.9 |
| 60°-70° | 1341.8 | 25.5 |
| 70°-80° | 927.6 | 17.6 |
| 80°-90° | 154.3 | 2.9 |
| 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° | 5269.0 | 100.0 |
| 0°-180° | 5269.0 | 100.0 |

Coefficient of Utilization



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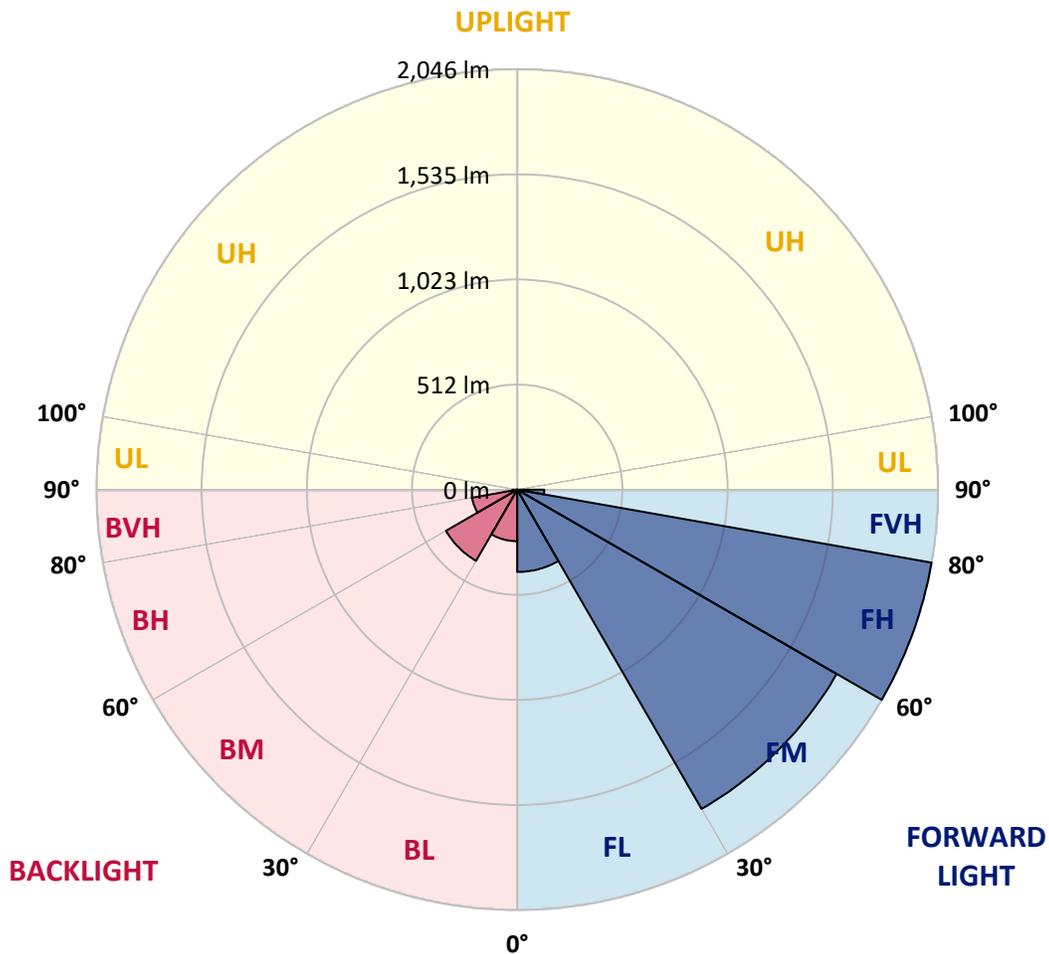
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 400.6 | 7.6 | | | |
| FM | (30°-60°) | 1793.9 | 34.0 | | | |
| FH | (60°-80°) | 2046.3 | 38.8 | | | G2/5000 |
| FVH | (80°-90°) | 131.6 | 2.5 | | | G2/225 |
| BL | (0°-30°) | 250.9 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 399.9 | 7.6 | B1/1000 | | |
| BH | (60°-80°) | 223.1 | 4.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 22.7 | 0.4 | | | 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 III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 |
| 2.5° | 1034.4 | 1031.5 | 1032.9 | 1035.1 | 1029.3 | 1030.0 | 1022.7 | 1016.9 | 1012.5 | 1009.6 | 1003.0 |
| 5° | 1060.0 | 1052.7 | 1055.6 | 1062.2 | 1055.6 | 1061.4 | 1053.4 | 1049.0 | 1041.7 | 1037.3 | 1022.7 |
| 7.5° | 1038.8 | 1033.7 | 1041.0 | 1057.8 | 1065.8 | 1081.2 | 1082.6 | 1079.7 | 1076.8 | 1067.3 | 1049.0 |
| 10° | 940.9 | 938.0 | 957.0 | 1001.5 | 1038.8 | 1076.0 | 1100.9 | 1100.9 | 1102.3 | 1095.8 | 1073.8 |
| 12.5° | 816.7 | 814.5 | 839.4 | 894.1 | 967.2 | 1052.7 | 1111.8 | 1118.4 | 1130.1 | 1127.9 | 1100.1 |
| 15° | 734.2 | 732.7 | 752.4 | 796.3 | 871.5 | 992.8 | 1110.4 | 1132.3 | 1156.4 | 1161.5 | 1127.2 |
| 17.5° | 691.8 | 691.8 | 705.7 | 739.3 | 791.1 | 909.5 | 1078.2 | 1126.4 | 1175.4 | 1199.5 | 1157.9 |
| 20° | 680.1 | 678.6 | 686.7 | 707.1 | 742.9 | 835.0 | 1030.0 | 1106.0 | 1190.0 | 1230.2 | 1177.6 |
| 22.5° | 685.9 | 684.5 | 687.4 | 697.6 | 718.1 | 785.3 | 978.1 | 1075.3 | 1198.0 | 1257.2 | 1195.1 |
| 25° | 714.4 | 713.0 | 709.3 | 708.6 | 713.0 | 761.9 | 925.6 | 1041.0 | 1206.1 | 1295.9 | 1216.3 |
| 27.5° | 770.0 | 765.6 | 753.2 | 741.5 | 729.8 | 756.8 | 891.9 | 1010.3 | 1216.3 | 1328.1 | 1229.4 |
| 30° | 841.5 | 840.1 | 824.7 | 802.8 | 764.1 | 768.5 | 870.8 | 981.8 | 1216.3 | 1352.9 | 1228.7 |
| 32.5° | 894.1 | 894.9 | 891.9 | 878.8 | 824.0 | 794.8 | 862.7 | 958.4 | 1214.1 | 1387.2 | 1231.6 |
| 35° | 949.7 | 949.7 | 942.4 | 942.4 | 906.6 | 845.9 | 874.4 | 956.2 | 1226.5 | 1444.2 | 1252.8 |
| 37.5° | 1043.9 | 1042.4 | 1027.1 | 1011.8 | 985.5 | 928.5 | 908.8 | 977.4 | 1260.9 | 1535.5 | 1281.3 |
| 40° | 1168.1 | 1171.0 | 1139.6 | 1097.2 | 1066.5 | 1024.2 | 973.0 | 1031.5 | 1314.2 | 1644.4 | 1317.8 |
| 42.5° | 1317.8 | 1325.9 | 1276.9 | 1218.5 | 1165.2 | 1109.6 | 1062.9 | 1117.7 | 1408.4 | 1799.2 | 1380.7 |
| 45° | 1501.9 | 1493.9 | 1432.5 | 1354.4 | 1284.2 | 1190.0 | 1161.5 | 1229.4 | 1531.1 | 2008.9 | 1477.1 |
| 47.5° | 1661.9 | 1666.3 | 1591.0 | 1505.6 | 1418.6 | 1287.9 | 1286.4 | 1393.1 | 1693.3 | 2223.7 | 1588.1 |
| 50° | 1817.5 | 1830.7 | 1747.4 | 1657.5 | 1564.7 | 1397.5 | 1444.2 | 1555.2 | 1867.2 | 2442.8 | 1725.5 |
| 52.5° | 1939.5 | 1948.3 | 1870.8 | 1793.4 | 1701.4 | 1542.1 | 1630.5 | 1763.4 | 2043.2 | 2652.5 | 1883.2 |
| 55° | 2035.9 | 2048.3 | 1961.4 | 1897.1 | 1827.0 | 1699.9 | 1843.8 | 1968.7 | 2225.9 | 2847.5 | 2044.7 |
| 57.5° | 2166.7 | 2174.0 | 2064.4 | 2008.2 | 1942.4 | 1879.6 | 2078.3 | 2199.6 | 2421.6 | 3013.3 | 2212.0 |
| 60° | 2266.8 | 2271.1 | 2157.9 | 2140.4 | 2138.9 | 2127.2 | 2339.1 | 2447.2 | 2605.7 | 3168.2 | 2382.9 |
| 62.5° | 2179.8 | 2179.8 | 2101.7 | 2150.6 | 2328.1 | 2534.1 | 2700.7 | 2732.8 | 2795.7 | 3318.7 | 2547.3 |
| 65° | 1726.9 | 1744.5 | 1753.2 | 1917.6 | 2314.2 | 2950.5 | 3300.4 | 3158.7 | 3033.1 | 3456.8 | 2681.7 |
| 67.5° | 906.6 | 941.6 | 1022.7 | 1306.1 | 1908.1 | 3102.5 | 4068.9 | 3881.2 | 3369.8 | 3549.5 | 2734.3 |
| 70° | 461.7 | 471.9 | 514.3 | 672.8 | 1201.0 | 2702.9 | 4525.5 | 4536.4 | 3771.6 | 3589.7 | 2696.3 |
| 72.5° | 350.6 | 350.6 | 360.1 | 391.6 | 555.2 | 1802.9 | 4346.5 | 4667.2 | 4059.4 | 3508.6 | 2517.3 |
| 75° | 292.2 | 295.9 | 314.8 | 319.2 | 280.5 | 935.8 | 3525.4 | 4049.2 | 3753.3 | 3211.3 | 2198.8 |
| 77.5° | 234.5 | 236.7 | 266.6 | 284.2 | 189.2 | 400.3 | 2570.7 | 3160.2 | 2894.3 | 2595.5 | 1548.7 |
| 80° | 176.8 | 180.4 | 207.5 | 243.3 | 140.3 | 192.1 | 1732.0 | 2161.6 | 1810.9 | 1591.0 | 715.2 |
| 82.5° | 118.3 | 119.8 | 141.7 | 192.1 | 103.7 | 106.7 | 1020.5 | 1211.2 | 880.3 | 596.1 | 187.7 |
| 85° | 72.3 | 73.8 | 88.4 | 124.2 | 68.7 | 57.0 | 452.9 | 468.3 | 278.3 | 141.7 | 67.2 |
| 87.5° | 32.9 | 36.5 | 46.0 | 59.9 | 34.3 | 23.4 | 76.0 | 74.5 | 54.8 | 51.1 | 28.5 |
| 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° | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 | 992.0 |
| 2.5° | 993.5 | 985.5 | 977.4 | 966.5 | 957.0 | 940.9 | 929.9 | 919.0 | 913.1 | 911.7 | 909.5 |
| 5° | 1011.0 | 997.1 | 973.8 | 943.1 | 909.5 | 871.5 | 835.7 | 804.3 | 783.1 | 776.5 | 779.5 |
| 7.5° | 1031.5 | 1011.8 | 965.7 | 906.6 | 838.6 | 764.1 | 701.3 | 660.4 | 634.8 | 620.2 | 623.1 |
| 10° | 1049.7 | 1021.2 | 948.2 | 848.8 | 732.7 | 639.2 | 589.5 | 561.0 | 547.9 | 546.4 | 545.7 |
| 12.5° | 1068.0 | 1030.7 | 921.2 | 766.3 | 637.7 | 564.0 | 539.1 | 531.1 | 529.6 | 531.1 | 530.3 |
| 15° | 1089.2 | 1035.9 | 875.1 | 680.8 | 570.5 | 532.5 | 524.5 | 522.3 | 523.0 | 526.7 | 526.0 |
| 17.5° | 1106.7 | 1033.7 | 803.6 | 603.4 | 534.7 | 517.2 | 509.9 | 506.2 | 509.9 | 516.5 | 516.5 |
| 20° | 1112.6 | 1012.5 | 721.0 | 549.3 | 515.0 | 500.4 | 490.2 | 484.3 | 488.7 | 496.7 | 498.2 |
| 22.5° | 1108.2 | 972.3 | 636.3 | 511.4 | 494.6 | 480.7 | 469.7 | 463.9 | 466.1 | 471.9 | 472.6 |
| 25° | 1101.6 | 919.7 | 561.8 | 482.1 | 468.3 | 457.3 | 454.4 | 447.1 | 443.4 | 447.1 | 447.8 |
| 27.5° | 1081.9 | 850.3 | 500.4 | 452.2 | 439.0 | 440.5 | 439.0 | 432.5 | 427.3 | 426.6 | 428.1 |
| 30° | 1038.1 | 753.9 | 454.4 | 421.5 | 417.1 | 425.2 | 425.2 | 415.7 | 406.2 | 404.7 | 406.9 |
| 32.5° | 985.5 | 655.3 | 416.4 | 395.9 | 404.7 | 409.1 | 409.1 | 401.0 | 391.6 | 385.7 | 388.6 |
| 35° | 933.6 | 561.8 | 387.2 | 378.4 | 395.2 | 398.9 | 395.2 | 392.3 | 376.9 | 362.3 | 366.0 |
| 37.5° | 873.7 | 481.4 | 361.6 | 365.3 | 384.2 | 385.7 | 385.7 | 375.5 | 355.0 | 342.6 | 345.5 |
| 40° | 808.7 | 420.8 | 340.4 | 353.6 | 372.6 | 372.6 | 366.7 | 360.1 | 349.9 | 337.5 | 339.0 |
| 42.5° | 767.0 | 379.9 | 324.3 | 341.1 | 354.3 | 358.7 | 345.5 | 350.6 | 341.9 | 328.7 | 330.2 |
| 45° | 761.2 | 354.3 | 311.2 | 322.2 | 333.8 | 332.4 | 333.1 | 336.8 | 328.7 | 311.2 | 310.5 |
| 47.5° | 797.0 | 346.3 | 298.8 | 301.0 | 311.2 | 316.3 | 320.7 | 322.2 | 310.5 | 291.5 | 288.6 |
| 50° | 876.6 | 360.1 | 286.4 | 282.0 | 290.7 | 302.4 | 306.8 | 309.0 | 295.1 | 275.4 | 272.5 |
| 52.5° | 999.3 | 403.2 | 275.4 | 265.9 | 265.2 | 285.6 | 298.0 | 303.9 | 282.0 | 260.8 | 259.3 |
| 55° | 1135.2 | 461.7 | 260.8 | 252.0 | 244.0 | 272.5 | 290.7 | 297.3 | 269.6 | 241.8 | 239.6 |
| 57.5° | 1279.8 | 531.1 | 244.0 | 238.1 | 228.6 | 260.1 | 277.6 | 282.7 | 250.6 | 219.2 | 217.7 |
| 60° | 1431.1 | 593.2 | 227.9 | 222.8 | 217.7 | 243.3 | 261.5 | 263.0 | 233.0 | 201.6 | 200.2 |
| 62.5° | 1567.7 | 635.5 | 212.6 | 206.7 | 206.7 | 223.5 | 242.5 | 241.1 | 214.8 | 185.5 | 184.1 |
| 65° | 1668.5 | 630.4 | 198.7 | 191.4 | 194.3 | 202.4 | 219.2 | 214.0 | 195.0 | 170.2 | 168.7 |
| 67.5° | 1709.4 | 576.4 | 185.5 | 177.5 | 178.2 | 180.4 | 194.3 | 190.7 | 175.3 | 154.9 | 154.1 |
| 70° | 1667.0 | 479.2 | 168.7 | 158.5 | 157.1 | 157.8 | 171.7 | 165.1 | 154.1 | 141.0 | 140.3 |
| 72.5° | 1540.6 | 401.8 | 149.8 | 141.0 | 138.1 | 135.9 | 147.6 | 144.6 | 136.6 | 125.6 | 126.4 |
| 75° | 1350.7 | 347.0 | 129.3 | 123.5 | 118.3 | 116.2 | 125.6 | 124.2 | 118.3 | 111.0 | 111.0 |
| 77.5° | 943.8 | 253.5 | 106.7 | 104.5 | 101.5 | 97.2 | 104.5 | 105.2 | 101.5 | 99.3 | 98.6 |
| 80° | 409.1 | 141.7 | 84.0 | 85.5 | 81.8 | 78.9 | 84.7 | 85.5 | 88.4 | 85.5 | 86.2 |
| 82.5° | 118.3 | 70.1 | 60.6 | 65.0 | 63.6 | 60.6 | 63.6 | 70.1 | 65.7 | 57.7 | 59.2 |
| 85° | 43.8 | 33.6 | 38.0 | 40.9 | 38.7 | 30.7 | 40.2 | 46.0 | 41.6 | 38.7 | 39.4 |
| 87.5° | 16.8 | 12.4 | 16.1 | 13.9 | 11.0 | 8.0 | 13.9 | 15.3 | 20.5 | 8.0 | 6.6 |
| 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)