

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: P1208549

Luminaire Tested: UPW-SA1-070-730-U-T4W

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-730-U-T4W
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7494 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

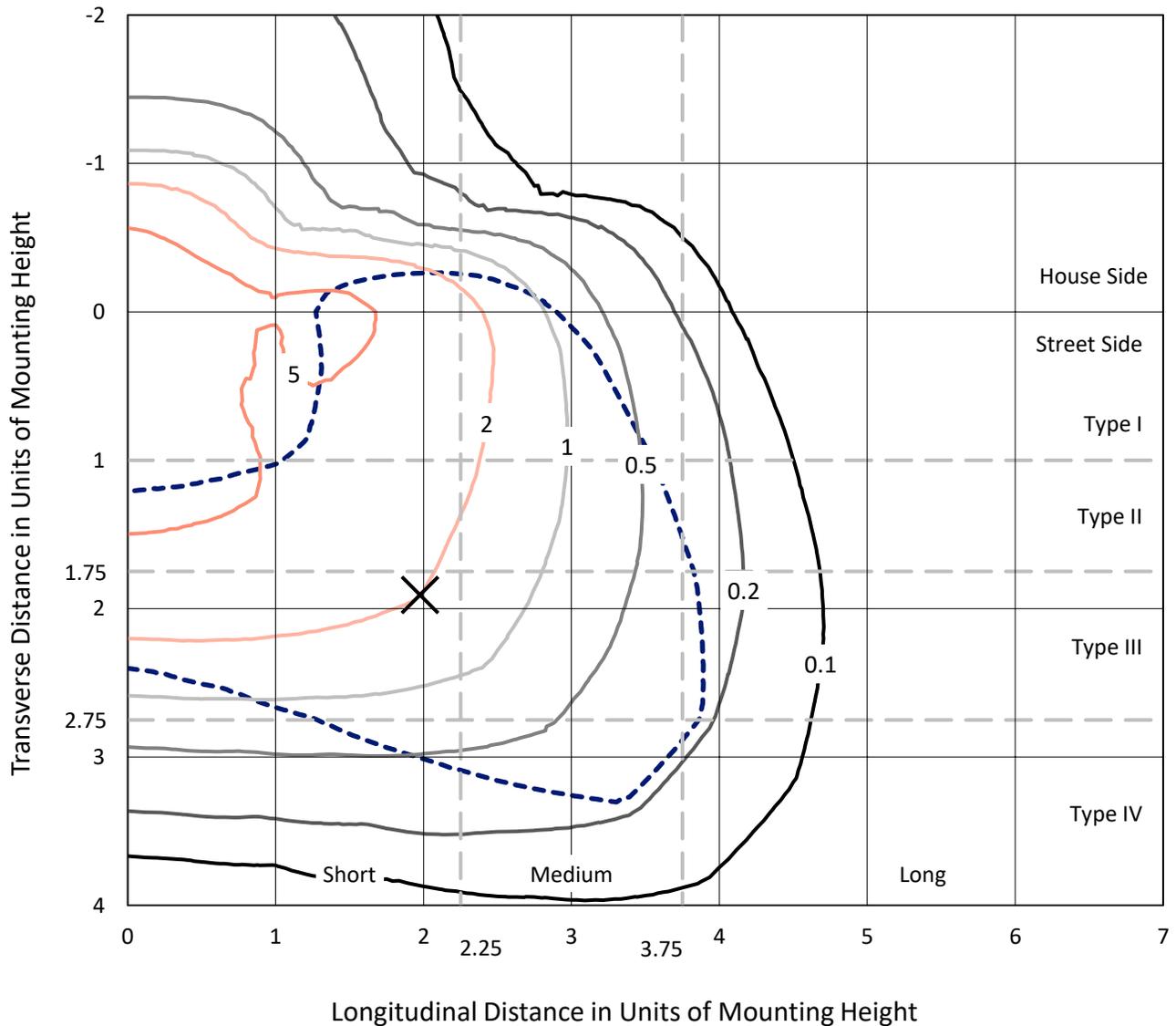
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

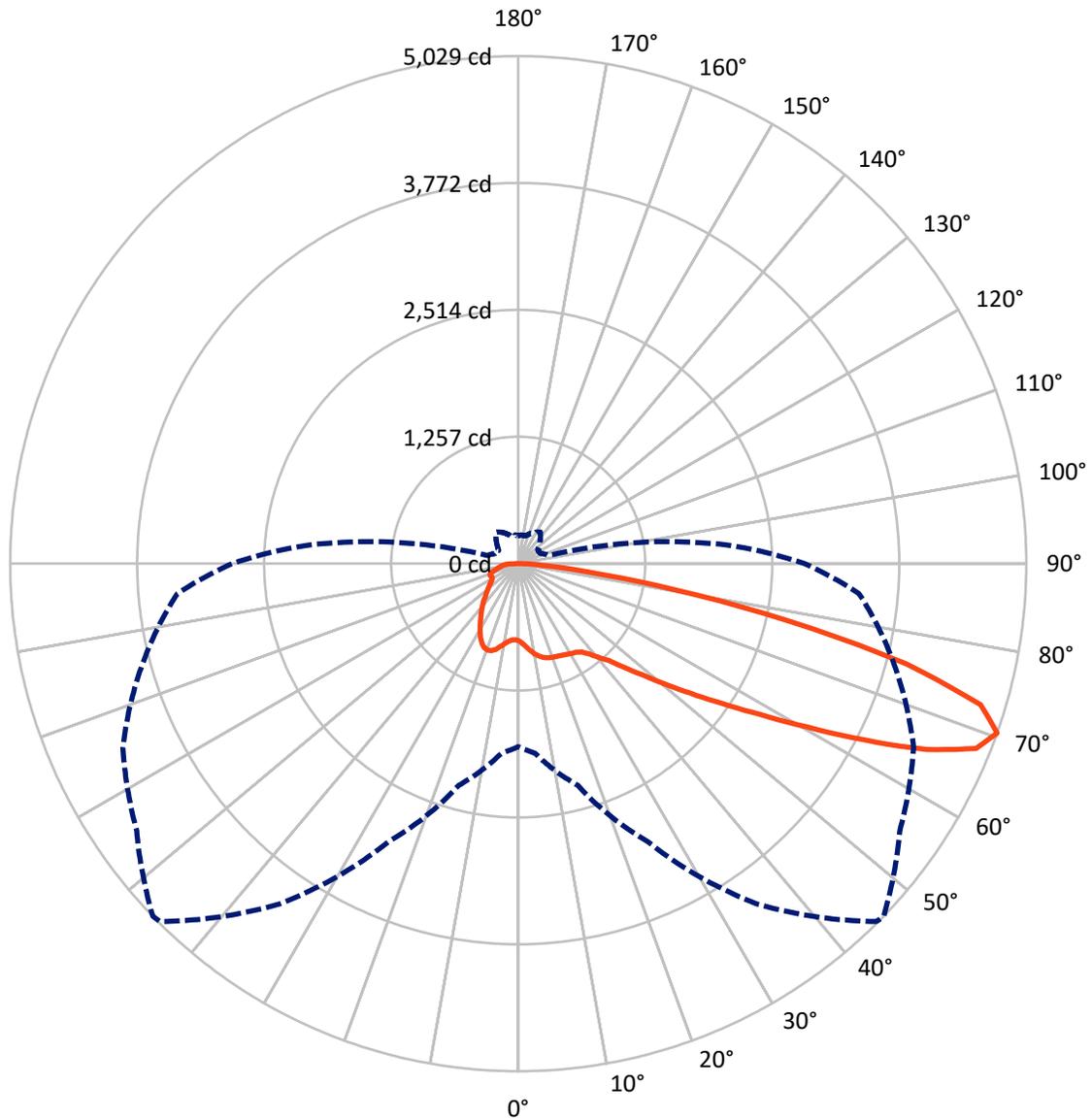
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1717.6 | 0.0 | 1717.6 |
| | % Fixture | 22.9 | 0.0 | 22.9 |
| Street Side | Lumens | 5776.4 | 0.0 | 5776.4 |
| | % Fixture | 77.1 | 0.0 | 77.1 |
| Total | Lumens | 7494.0 | 0.0 | 7494.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 77.8 | 1.0 |
| 10°-20° | 259.3 | 3.5 |
| 20°-30° | 432.4 | 5.8 |
| 30°-40° | 613.6 | 8.2 |
| 40°-50° | 902.5 | 12.0 |
| 50°-60° | 1528.4 | 20.4 |
| 60°-70° | 2169.6 | 29.0 |
| 70°-80° | 1318.0 | 17.6 |
| 80°-90° | 192.3 | 2.6 |
| 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° | 7494.0 | 100.0 |
| 0°-180° | 7494.0 | 100.0 |



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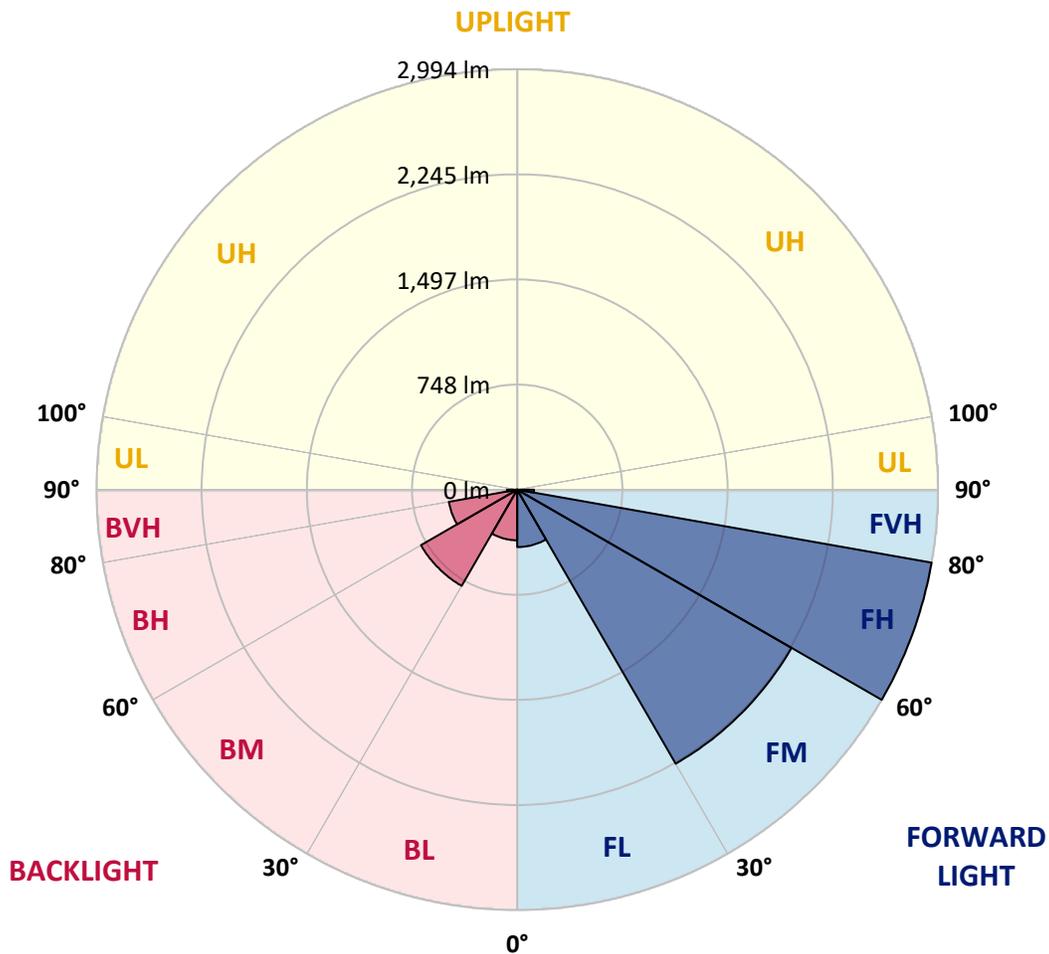
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 408.9 | 5.5 | | | |
| FM | (30°-60°) | 2253.9 | 30.1 | | | |
| FH | (60°-80°) | 2993.8 | 39.9 | | | G2/5000 |
| FVH | (80°-90°) | 119.8 | 1.6 | | | G2/225 |
| BL | (0°-30°) | 360.6 | 4.8 | B1/500 | | |
| BM | (30°-60°) | 790.7 | 10.6 | B1/1000 | | |
| BH | (60°-80°) | 493.8 | 6.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 72.5 | 1.0 | | | 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 Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 |
| 2.5° | 801.7 | 802.2 | 803.2 | 800.7 | 793.5 | 791.4 | 790.7 | 783.2 | 778.4 | 771.2 | 765.0 |
| 5° | 865.8 | 866.3 | 864.8 | 857.6 | 841.7 | 829.9 | 828.9 | 812.0 | 796.6 | 780.2 | 767.9 |
| 7.5° | 932.8 | 933.5 | 928.7 | 915.1 | 892.7 | 872.2 | 871.0 | 847.9 | 824.5 | 799.7 | 781.2 |
| 10° | 992.0 | 988.9 | 981.0 | 962.0 | 935.6 | 910.4 | 909.4 | 885.3 | 858.4 | 828.4 | 803.8 |
| 12.5° | 1031.5 | 1028.9 | 1018.7 | 995.6 | 966.6 | 943.5 | 941.5 | 919.2 | 893.0 | 860.2 | 830.7 |
| 15° | 1053.3 | 1055.1 | 1041.2 | 1015.1 | 986.9 | 967.4 | 965.6 | 949.7 | 926.3 | 893.3 | 859.4 |
| 17.5° | 1056.1 | 1057.7 | 1044.3 | 1018.4 | 995.3 | 982.0 | 981.2 | 970.7 | 953.8 | 922.0 | 886.6 |
| 20° | 1039.7 | 1040.7 | 1029.7 | 1008.4 | 993.3 | 989.2 | 988.9 | 984.3 | 971.7 | 943.5 | 909.2 |
| 22.5° | 1015.9 | 1016.6 | 1008.7 | 993.3 | 988.2 | 994.6 | 996.4 | 994.6 | 985.6 | 959.2 | 926.9 |
| 25° | 1010.0 | 1009.4 | 1001.2 | 985.6 | 989.9 | 1003.5 | 1005.8 | 1006.6 | 1000.5 | 977.4 | 949.4 |
| 27.5° | 1038.4 | 1036.6 | 1021.0 | 995.8 | 998.7 | 1015.1 | 1018.2 | 1025.6 | 1021.8 | 1001.5 | 975.1 |
| 30° | 1120.7 | 1117.7 | 1085.6 | 1034.8 | 1021.0 | 1029.4 | 1033.3 | 1045.1 | 1045.9 | 1028.9 | 1009.2 |
| 32.5° | 1259.7 | 1255.9 | 1198.5 | 1107.7 | 1058.7 | 1044.1 | 1047.7 | 1065.3 | 1074.8 | 1061.8 | 1040.5 |
| 35° | 1435.4 | 1431.1 | 1355.7 | 1231.5 | 1121.8 | 1072.0 | 1074.6 | 1088.7 | 1107.7 | 1089.2 | 1061.0 |
| 37.5° | 1618.5 | 1608.0 | 1535.4 | 1377.2 | 1222.0 | 1131.8 | 1131.8 | 1133.6 | 1142.5 | 1104.1 | 1085.1 |
| 40° | 1800.6 | 1790.1 | 1724.5 | 1548.5 | 1351.8 | 1225.9 | 1220.0 | 1180.2 | 1173.1 | 1140.0 | 1133.6 |
| 42.5° | 1969.9 | 1966.8 | 1928.1 | 1742.2 | 1504.2 | 1318.5 | 1310.3 | 1242.8 | 1244.4 | 1223.8 | 1224.1 |
| 45° | 2149.9 | 2149.9 | 2118.4 | 1937.6 | 1681.6 | 1467.2 | 1459.0 | 1359.8 | 1375.2 | 1365.7 | 1388.5 |
| 47.5° | 2296.9 | 2301.5 | 2297.1 | 2141.2 | 1888.1 | 1656.2 | 1641.4 | 1521.9 | 1564.9 | 1597.5 | 1663.9 |
| 50° | 2446.9 | 2454.1 | 2454.9 | 2364.6 | 2137.6 | 1880.9 | 1864.0 | 1737.0 | 1833.2 | 1926.6 | 2057.1 |
| 52.5° | 2664.7 | 2680.8 | 2616.4 | 2587.5 | 2443.3 | 2147.6 | 2131.0 | 2013.8 | 2174.3 | 2305.4 | 2530.3 |
| 55° | 2866.5 | 2852.4 | 2806.5 | 2824.4 | 2770.6 | 2451.3 | 2438.7 | 2335.9 | 2554.4 | 2724.7 | 3016.8 |
| 57.5° | 2975.7 | 2974.7 | 3020.9 | 3097.8 | 3123.5 | 2825.7 | 2815.2 | 2715.2 | 2982.9 | 3110.9 | 3473.5 |
| 60° | 3104.0 | 3105.8 | 3220.2 | 3394.8 | 3500.5 | 3292.0 | 3287.3 | 3211.4 | 3399.2 | 3471.5 | 3831.8 |
| 62.5° | 3121.9 | 3154.2 | 3351.2 | 3651.8 | 3853.4 | 3836.7 | 3847.0 | 3658.5 | 3771.6 | 3759.2 | 4099.3 |
| 65° | 2915.5 | 2958.1 | 3314.5 | 3729.5 | 4204.2 | 4432.5 | 4441.9 | 4108.0 | 4065.2 | 4005.2 | 4195.0 |
| 67.5° | 2492.3 | 2555.4 | 2942.7 | 3560.5 | 4319.9 | 4872.8 | 4886.1 | 4456.6 | 4308.8 | 4088.5 | 3964.7 |
| 70° | 1813.7 | 1883.7 | 2273.5 | 3040.9 | 4113.7 | 5013.6 | 5028.7 | 4610.7 | 4318.1 | 3851.3 | 3384.5 |
| 72.5° | 1095.6 | 1150.5 | 1471.8 | 2238.7 | 3472.0 | 4757.1 | 4784.1 | 4415.3 | 3942.4 | 3262.2 | 2499.2 |
| 75° | 481.1 | 517.0 | 711.7 | 1290.0 | 2485.6 | 3935.9 | 3969.5 | 3779.2 | 3203.2 | 2370.7 | 1477.2 |
| 77.5° | 204.9 | 215.2 | 291.9 | 560.4 | 1405.2 | 2689.5 | 2735.7 | 2761.3 | 2173.3 | 1290.0 | 624.2 |
| 80° | 127.7 | 131.8 | 165.2 | 253.6 | 657.6 | 1510.6 | 1560.3 | 1624.7 | 1079.2 | 474.2 | 218.0 |
| 82.5° | 77.7 | 82.3 | 109.8 | 153.4 | 342.4 | 684.8 | 708.6 | 754.0 | 418.8 | 204.9 | 112.8 |
| 85° | 46.7 | 50.0 | 67.2 | 96.9 | 194.9 | 269.3 | 269.0 | 297.5 | 197.2 | 131.8 | 59.5 |
| 87.5° | 22.3 | 24.9 | 35.9 | 50.3 | 98.2 | 101.0 | 94.6 | 107.2 | 119.8 | 86.4 | 30.0 |
| 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° | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 | 763.5 |
| 2.5° | 763.0 | 762.0 | 758.6 | 756.1 | 755.5 | 754.0 | 752.7 | 753.5 | 754.5 | 754.8 | 754.8 |
| 5° | 762.7 | 759.9 | 755.5 | 753.7 | 756.1 | 759.1 | 763.0 | 768.1 | 771.2 | 773.5 | 775.0 |
| 7.5° | 775.0 | 769.6 | 764.8 | 763.7 | 768.4 | 776.6 | 785.3 | 796.1 | 803.5 | 808.6 | 809.7 |
| 10° | 795.5 | 788.9 | 784.0 | 785.0 | 793.2 | 805.0 | 817.3 | 831.2 | 842.5 | 849.4 | 849.9 |
| 12.5° | 819.1 | 812.7 | 808.1 | 812.5 | 826.1 | 840.4 | 853.3 | 865.3 | 875.6 | 882.5 | 882.5 |
| 15° | 846.3 | 841.7 | 836.3 | 846.3 | 864.8 | 877.6 | 883.0 | 888.9 | 894.5 | 899.7 | 898.6 |
| 17.5° | 872.5 | 868.1 | 865.3 | 877.1 | 896.3 | 902.2 | 898.6 | 894.3 | 894.3 | 897.1 | 897.6 |
| 20° | 895.1 | 891.2 | 893.0 | 904.5 | 914.5 | 908.4 | 895.1 | 881.2 | 875.6 | 877.1 | 878.6 |
| 22.5° | 914.8 | 913.0 | 918.4 | 923.8 | 916.6 | 895.1 | 870.4 | 851.7 | 844.8 | 844.3 | 844.8 |
| 25° | 937.9 | 937.6 | 944.3 | 934.6 | 902.8 | 863.0 | 829.9 | 811.7 | 807.9 | 810.9 | 816.1 |
| 27.5° | 966.6 | 969.4 | 972.8 | 937.1 | 874.5 | 814.5 | 780.9 | 768.4 | 772.2 | 779.6 | 784.5 |
| 30° | 1003.3 | 1011.0 | 1003.8 | 930.7 | 834.0 | 759.1 | 727.1 | 723.5 | 734.0 | 744.5 | 749.6 |
| 32.5° | 1038.9 | 1051.0 | 1033.5 | 914.0 | 781.7 | 700.4 | 675.5 | 674.5 | 687.3 | 697.6 | 704.8 |
| 35° | 1067.7 | 1091.5 | 1055.9 | 881.0 | 721.2 | 646.3 | 628.1 | 621.2 | 625.8 | 637.8 | 646.0 |
| 37.5° | 1105.1 | 1144.9 | 1071.2 | 830.4 | 655.5 | 601.7 | 580.4 | 564.5 | 560.4 | 565.2 | 569.3 |
| 40° | 1173.6 | 1226.2 | 1078.4 | 759.9 | 591.4 | 557.0 | 535.5 | 512.2 | 496.0 | 484.2 | 484.5 |
| 42.5° | 1285.4 | 1332.1 | 1073.8 | 674.2 | 532.2 | 513.4 | 489.1 | 462.1 | 436.0 | 409.3 | 407.3 |
| 45° | 1467.0 | 1489.5 | 1060.0 | 583.5 | 480.1 | 467.8 | 445.0 | 418.0 | 383.2 | 352.9 | 350.1 |
| 47.5° | 1757.5 | 1707.5 | 1038.4 | 504.2 | 434.2 | 429.1 | 408.0 | 377.0 | 340.1 | 315.7 | 313.7 |
| 50° | 2153.8 | 2022.2 | 1027.9 | 441.1 | 393.7 | 395.2 | 378.0 | 345.2 | 310.3 | 292.4 | 290.3 |
| 52.5° | 2627.7 | 2388.7 | 1048.2 | 392.4 | 361.1 | 366.5 | 353.7 | 322.9 | 293.7 | 279.5 | 277.5 |
| 55° | 3119.4 | 2768.3 | 1070.0 | 357.0 | 330.3 | 340.8 | 336.5 | 311.1 | 284.7 | 271.6 | 269.8 |
| 57.5° | 3540.2 | 3051.7 | 1026.4 | 328.3 | 302.9 | 319.3 | 323.1 | 303.7 | 280.1 | 268.3 | 266.2 |
| 60° | 3805.1 | 3165.8 | 912.0 | 301.3 | 281.1 | 302.1 | 315.5 | 301.6 | 281.9 | 280.8 | 279.3 |
| 62.5° | 3930.8 | 3155.8 | 740.4 | 280.1 | 267.5 | 294.7 | 321.1 | 313.1 | 302.4 | 311.6 | 312.4 |
| 65° | 3874.4 | 3005.0 | 551.4 | 266.0 | 257.7 | 297.5 | 338.0 | 334.9 | 308.3 | 317.5 | 318.8 |
| 67.5° | 3503.0 | 2645.2 | 408.3 | 253.6 | 247.0 | 305.4 | 368.8 | 342.1 | 296.7 | 303.4 | 299.3 |
| 70° | 2831.4 | 2097.1 | 314.9 | 239.8 | 235.9 | 304.4 | 382.6 | 337.8 | 284.2 | 285.7 | 274.7 |
| 72.5° | 1952.5 | 1430.0 | 256.2 | 227.0 | 220.0 | 277.5 | 372.9 | 327.0 | 273.6 | 261.8 | 247.2 |
| 75° | 1061.8 | 767.6 | 217.7 | 213.6 | 192.1 | 243.6 | 354.9 | 319.3 | 264.2 | 248.5 | 240.3 |
| 77.5° | 417.8 | 318.5 | 189.0 | 195.4 | 168.0 | 215.2 | 334.9 | 304.7 | 251.1 | 230.6 | 226.5 |
| 80° | 170.5 | 162.6 | 156.7 | 169.0 | 144.4 | 188.2 | 310.8 | 287.5 | 235.4 | 213.9 | 205.7 |
| 82.5° | 96.7 | 101.0 | 121.8 | 133.4 | 117.2 | 173.4 | 299.3 | 273.6 | 216.7 | 191.6 | 181.8 |
| 85° | 49.5 | 59.2 | 84.9 | 95.7 | 86.2 | 147.5 | 275.7 | 239.5 | 173.9 | 146.7 | 147.5 |
| 87.5° | 23.9 | 33.1 | 53.6 | 60.0 | 55.9 | 106.7 | 205.9 | 173.6 | 135.4 | 107.2 | 103.9 |
| 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)