

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: P1208785

Luminaire Tested: UPW-SA2-070-730-U-T3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-T3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6455 lumens
Efficiency: N/A
Efficacy: 97.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

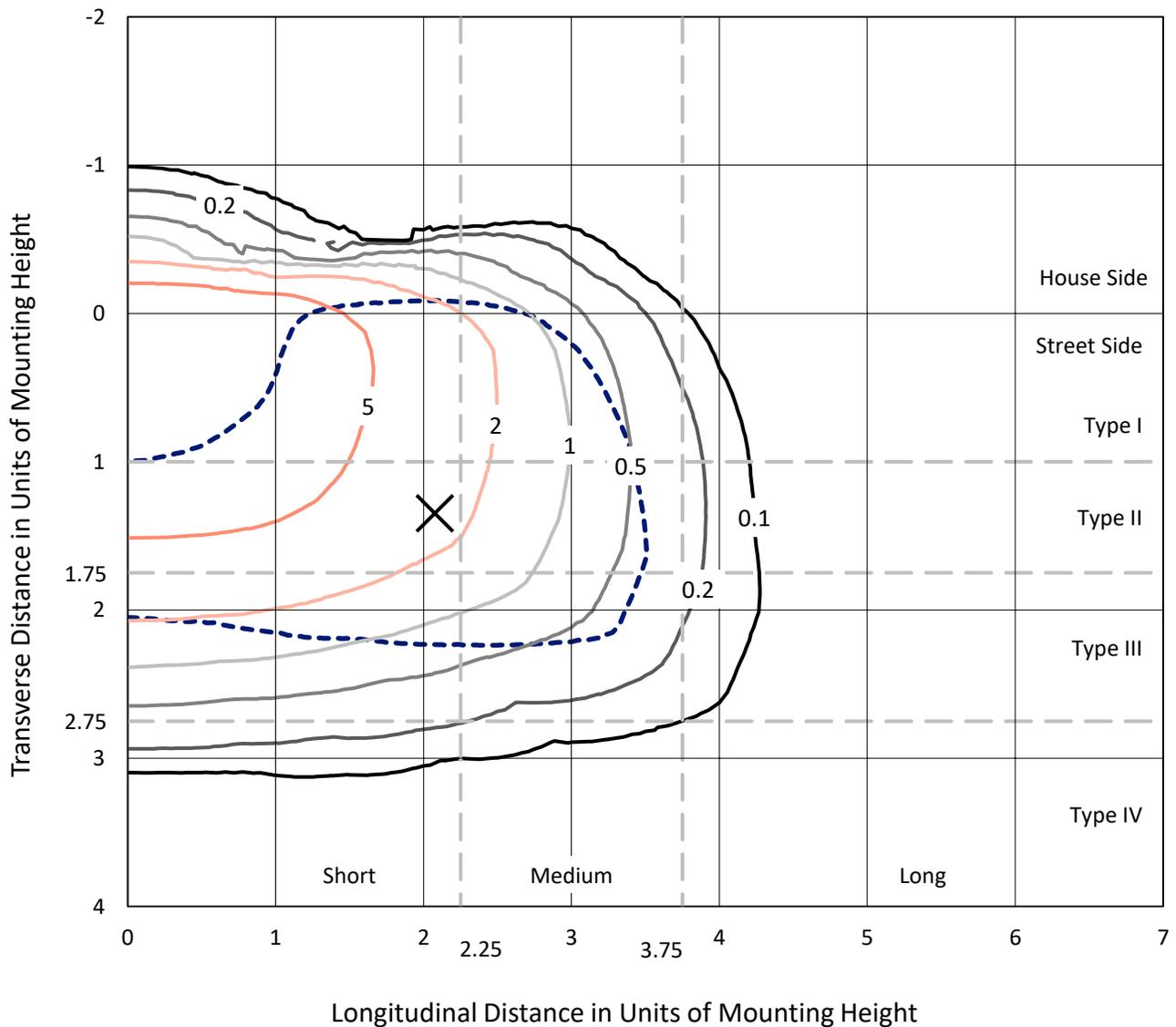
Input Watts (W): 66
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

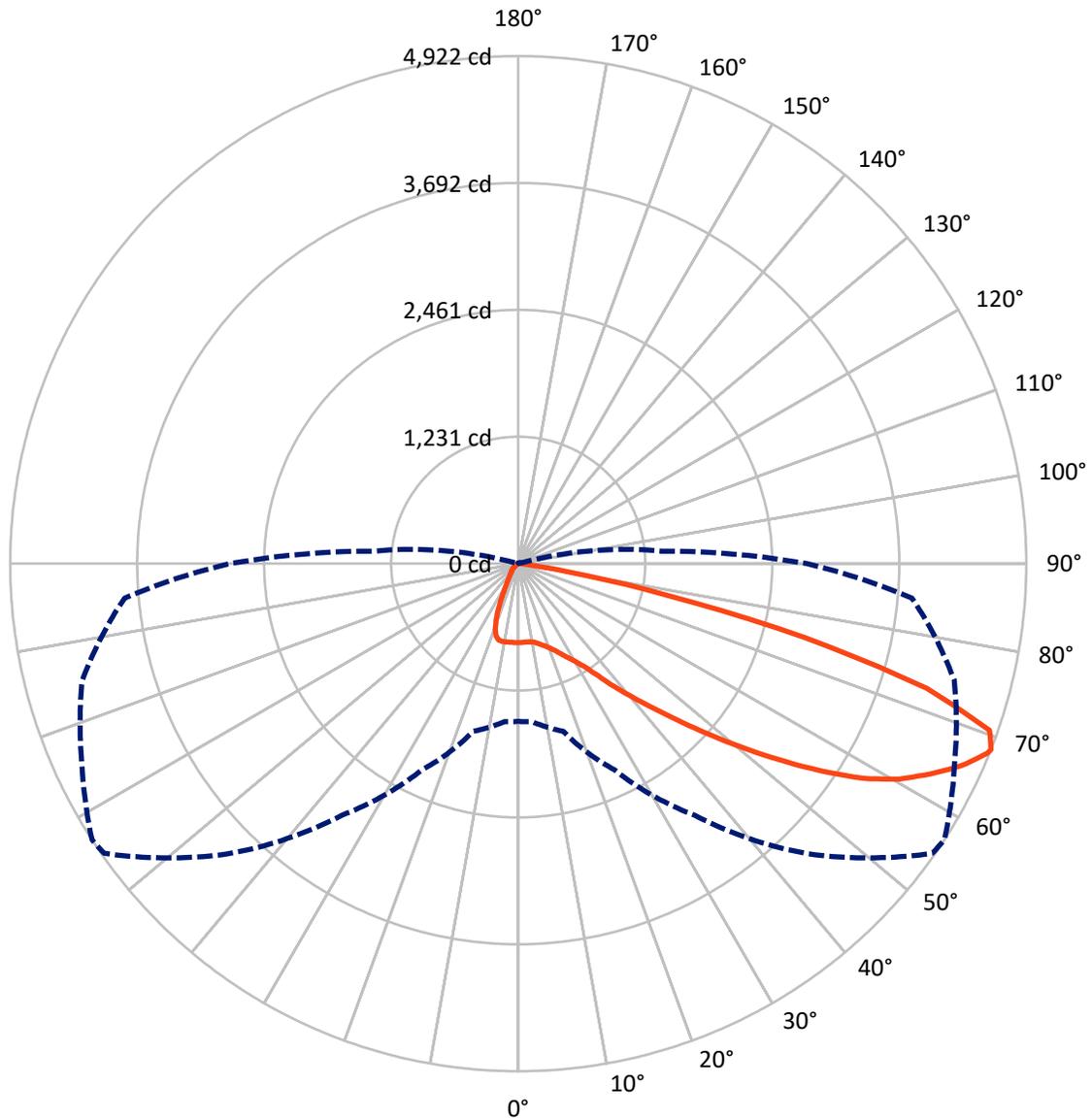
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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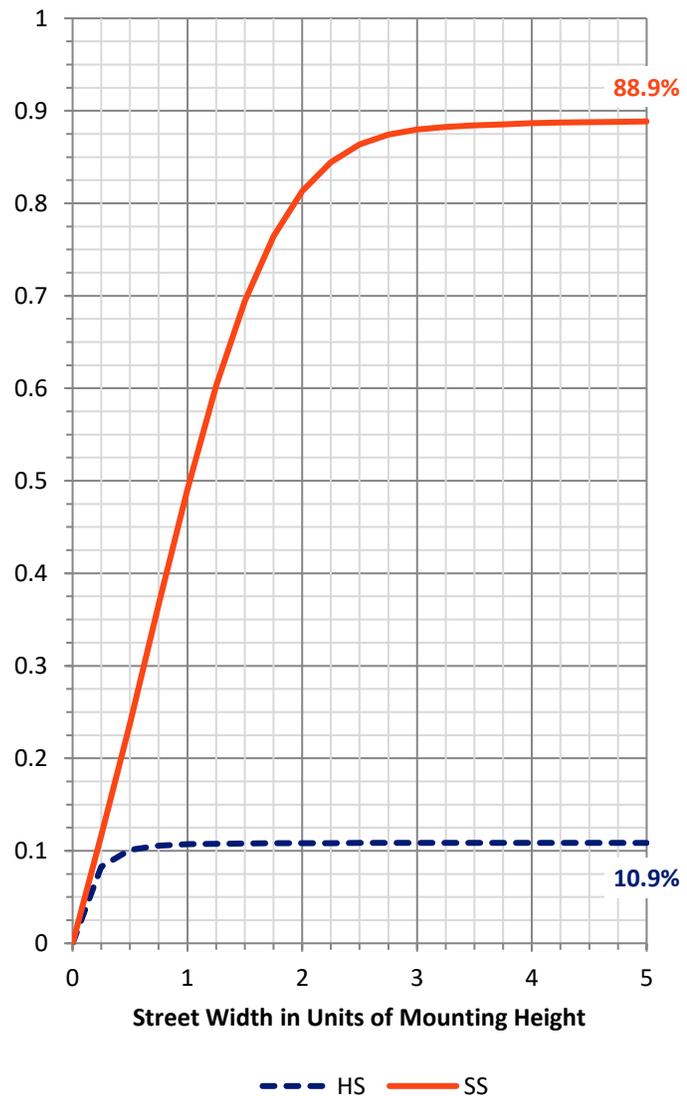
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 707.8 | 0.0 | 707.8 |
| | % Fixture | 11.0 | 0.0 | 11.0 |
| Street Side | Lumens | 5747.2 | 0.0 | 5747.2 |
| | % Fixture | 89.0 | 0.0 | 89.0 |
| Total | Lumens | 6455.0 | 0.0 | 6455.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.8 | 1.1 |
| 10°-20° | 198.9 | 3.1 |
| 20°-30° | 343.1 | 5.3 |
| 30°-40° | 592.3 | 9.2 |
| 40°-50° | 1013.1 | 15.7 |
| 50°-60° | 1620.8 | 25.1 |
| 60°-70° | 1872.7 | 29.0 |
| 70°-80° | 715.6 | 11.1 |
| 80°-90° | 26.8 | 0.4 |
| 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° | 6455.0 | 100.0 |
| 0°-180° | 6455.0 | 100.0 |

Coefficient of Utilization



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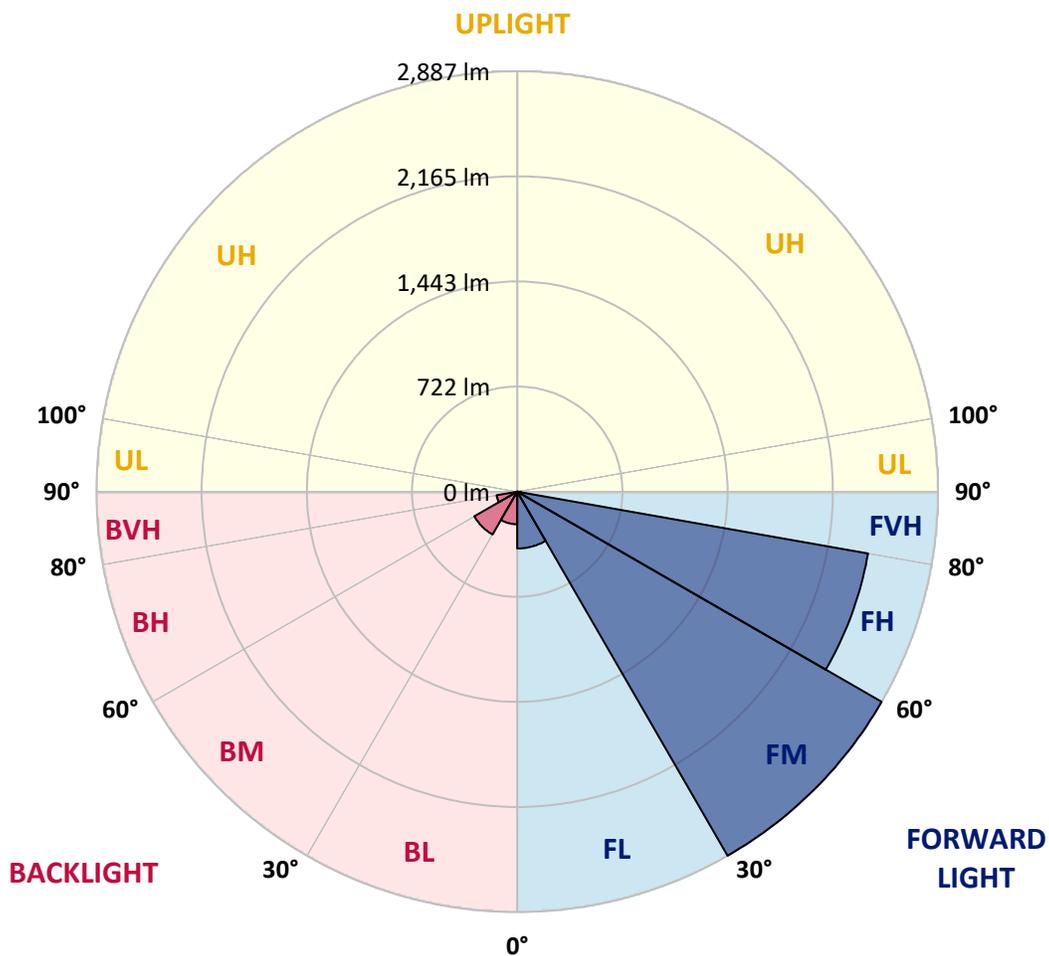
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 390.1 | 6.0 | | | |
| FM | (30°-60°) | 2886.6 | 44.7 | | | |
| FH | (60°-80°) | 2444.1 | 37.9 | | | G2/5000 |
| FVH | (80°-90°) | 26.3 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 223.7 | 3.5 | B1/500 | | |
| BM | (30°-60°) | 339.5 | 5.3 | B1/1000 | | |
| BH | (60°-80°) | 144.2 | 2.2 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 0.5 | 0.0 | | | G0/10 |
| 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 Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 57° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 |
| 2.5° | 749.0 | 752.4 | 754.8 | 756.3 | 758.2 | 762.1 | 763.4 | 765.2 | 766.1 | 766.1 | 768.2 |
| 5° | 719.4 | 723.1 | 728.3 | 732.5 | 741.1 | 752.1 | 760.0 | 763.1 | 768.6 | 773.4 | 776.2 |
| 7.5° | 691.9 | 696.2 | 702.3 | 712.4 | 727.0 | 744.7 | 761.2 | 765.5 | 776.2 | 786.6 | 791.7 |
| 10° | 674.2 | 677.6 | 685.5 | 699.9 | 719.1 | 743.8 | 767.0 | 772.2 | 790.5 | 807.9 | 817.7 |
| 12.5° | 668.1 | 671.2 | 679.4 | 695.6 | 719.4 | 748.4 | 780.5 | 788.1 | 814.9 | 840.3 | 854.0 |
| 15° | 677.0 | 677.6 | 686.4 | 701.7 | 725.2 | 759.7 | 802.7 | 811.9 | 845.8 | 878.7 | 895.8 |
| 17.5° | 711.2 | 708.4 | 713.0 | 719.7 | 738.3 | 774.7 | 826.2 | 840.0 | 885.1 | 923.9 | 940.1 |
| 20° | 796.6 | 796.6 | 786.3 | 767.9 | 768.2 | 797.9 | 858.0 | 873.5 | 928.8 | 973.7 | 988.3 |
| 22.5° | 942.8 | 940.1 | 919.3 | 874.5 | 833.3 | 837.8 | 896.7 | 916.9 | 981.3 | 1029.2 | 1034.1 |
| 25° | 1118.6 | 1115.3 | 1083.2 | 1020.1 | 948.6 | 902.5 | 949.2 | 972.4 | 1043.9 | 1086.3 | 1076.2 |
| 27.5° | 1304.8 | 1302.1 | 1270.3 | 1191.9 | 1090.3 | 1005.7 | 1011.8 | 1033.8 | 1107.7 | 1149.5 | 1117.4 |
| 30° | 1485.2 | 1486.1 | 1454.7 | 1374.1 | 1259.0 | 1137.3 | 1091.2 | 1104.0 | 1169.6 | 1212.0 | 1166.3 |
| 32.5° | 1656.7 | 1658.0 | 1630.8 | 1540.8 | 1433.3 | 1290.2 | 1201.1 | 1197.7 | 1241.6 | 1283.5 | 1231.0 |
| 35° | 1809.7 | 1812.7 | 1794.1 | 1724.2 | 1610.4 | 1460.5 | 1343.6 | 1335.7 | 1343.9 | 1391.2 | 1330.2 |
| 37.5° | 1957.1 | 1958.9 | 1944.9 | 1886.0 | 1790.7 | 1647.6 | 1523.7 | 1512.4 | 1494.7 | 1531.0 | 1461.1 |
| 40° | 2118.5 | 2114.0 | 2097.8 | 2044.4 | 1962.6 | 1854.2 | 1717.2 | 1697.6 | 1666.8 | 1699.2 | 1633.2 |
| 42.5° | 2268.7 | 2263.5 | 2266.3 | 2205.8 | 2136.9 | 2066.7 | 1942.7 | 1909.2 | 1891.2 | 1928.4 | 1844.5 |
| 45° | 2456.4 | 2453.7 | 2462.8 | 2410.3 | 2354.5 | 2303.5 | 2201.3 | 2164.6 | 2156.7 | 2200.3 | 2099.9 |
| 47.5° | 2641.7 | 2648.4 | 2676.8 | 2654.5 | 2631.9 | 2587.1 | 2475.0 | 2458.6 | 2463.5 | 2516.3 | 2369.4 |
| 50° | 2796.1 | 2804.1 | 2881.9 | 2907.5 | 2940.2 | 2914.0 | 2801.6 | 2791.6 | 2810.8 | 2858.4 | 2659.4 |
| 52.5° | 2907.9 | 2924.0 | 3020.8 | 3138.9 | 3257.9 | 3275.6 | 3163.6 | 3154.5 | 3180.4 | 3187.7 | 2883.4 |
| 55° | 2985.4 | 2999.7 | 3109.3 | 3325.4 | 3567.7 | 3644.1 | 3574.5 | 3539.1 | 3534.2 | 3461.8 | 3119.1 |
| 57.5° | 2999.1 | 2997.6 | 3155.1 | 3446.0 | 3810.7 | 4007.6 | 3963.6 | 3928.8 | 3828.7 | 3715.2 | 3389.2 |
| 60° | 2921.6 | 2930.4 | 3113.3 | 3487.8 | 3963.3 | 4282.6 | 4285.9 | 4240.8 | 4084.8 | 3961.5 | 3651.1 |
| 62.5° | 2682.9 | 2718.9 | 2903.6 | 3378.2 | 3961.5 | 4393.4 | 4522.2 | 4487.7 | 4301.2 | 4163.2 | 3916.6 |
| 65° | 2295.9 | 2308.7 | 2484.8 | 3002.8 | 3693.8 | 4347.0 | 4734.9 | 4722.1 | 4496.2 | 4359.2 | 4053.0 |
| 67.5° | 1676.6 | 1648.8 | 1833.8 | 2364.6 | 3127.3 | 4076.6 | 4887.5 | 4903.7 | 4646.7 | 4399.5 | 3907.8 |
| 68° | 1530.1 | 1538.3 | 1682.4 | 2206.8 | 2979.0 | 3981.0 | 4897.6 | 4922.3 | 4661.7 | 4373.2 | 3828.4 |
| 70° | 912.0 | 927.9 | 1056.4 | 1519.4 | 2266.3 | 3440.5 | 4788.9 | 4845.4 | 4572.5 | 4102.5 | 3311.4 |
| 72.5° | 232.9 | 251.8 | 373.3 | 680.0 | 1294.4 | 2424.1 | 4042.7 | 4138.2 | 3970.0 | 3328.1 | 2235.4 |
| 75° | 95.8 | 100.7 | 133.4 | 224.0 | 482.3 | 1092.1 | 2664.6 | 2869.1 | 2752.2 | 1992.5 | 1010.3 |
| 77.5° | 66.2 | 69.6 | 85.8 | 124.2 | 208.8 | 370.2 | 1306.4 | 1454.1 | 1310.0 | 680.0 | 220.4 |
| 80° | 47.6 | 50.4 | 61.3 | 82.7 | 120.0 | 132.2 | 425.8 | 492.3 | 391.0 | 149.3 | 54.6 |
| 82.5° | 28.4 | 30.5 | 45.8 | 58.9 | 72.9 | 63.2 | 105.9 | 120.3 | 113.2 | 74.2 | 24.4 |
| 85° | 14.0 | 16.5 | 30.8 | 42.1 | 39.4 | 26.6 | 32.4 | 36.0 | 44.6 | 45.2 | 13.1 |
| 87.5° | 0.9 | 1.8 | 18.0 | 25.3 | 11.0 | 6.1 | 9.5 | 11.6 | 15.9 | 22.3 | 5.5 |
| 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° | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 | 767.0 |
| 2.5° | 769.2 | 769.5 | 767.3 | 766.4 | 767.0 | 763.4 | 761.8 | 762.4 | 762.4 | 763.4 | 761.8 |
| 5° | 776.8 | 776.8 | 773.1 | 768.2 | 765.5 | 758.5 | 753.9 | 752.7 | 751.8 | 751.2 | 749.9 |
| 7.5° | 793.3 | 791.4 | 785.0 | 774.3 | 765.2 | 749.9 | 738.3 | 732.2 | 729.2 | 728.0 | 727.0 |
| 10° | 819.8 | 816.5 | 805.8 | 785.9 | 764.9 | 737.7 | 712.4 | 694.4 | 679.4 | 673.3 | 669.7 |
| 12.5° | 855.5 | 850.7 | 832.6 | 799.7 | 762.8 | 712.7 | 657.8 | 605.0 | 555.8 | 535.7 | 525.6 |
| 15° | 896.7 | 889.7 | 861.3 | 811.3 | 750.2 | 656.2 | 536.9 | 444.4 | 376.3 | 350.7 | 339.7 |
| 17.5° | 938.6 | 929.4 | 886.4 | 818.6 | 712.7 | 539.3 | 376.6 | 284.5 | 239.0 | 226.8 | 222.5 |
| 20° | 980.7 | 967.3 | 908.0 | 813.1 | 627.8 | 388.9 | 248.5 | 207.9 | 194.7 | 191.1 | 189.8 |
| 22.5° | 1020.7 | 999.9 | 927.6 | 791.7 | 497.2 | 261.0 | 196.6 | 183.7 | 179.5 | 177.3 | 176.7 |
| 25° | 1055.5 | 1026.5 | 944.7 | 725.8 | 351.9 | 197.2 | 177.0 | 172.8 | 167.3 | 163.3 | 163.6 |
| 27.5° | 1088.1 | 1053.0 | 955.0 | 617.2 | 234.7 | 168.5 | 163.9 | 158.1 | 148.0 | 142.2 | 142.2 |
| 30° | 1127.5 | 1088.4 | 962.7 | 474.9 | 172.8 | 148.9 | 145.3 | 136.4 | 122.7 | 115.1 | 115.1 |
| 32.5° | 1186.7 | 1142.1 | 957.8 | 333.3 | 143.1 | 130.9 | 122.4 | 110.2 | 95.2 | 87.9 | 87.6 |
| 35° | 1277.4 | 1225.2 | 923.0 | 218.5 | 126.4 | 113.8 | 100.1 | 85.2 | 72.0 | 65.9 | 65.6 |
| 37.5° | 1399.4 | 1336.3 | 844.9 | 156.3 | 113.2 | 98.0 | 81.5 | 65.0 | 55.2 | 51.3 | 51.0 |
| 40° | 1557.9 | 1465.4 | 733.1 | 126.7 | 101.0 | 82.7 | 62.9 | 50.4 | 43.6 | 40.6 | 40.9 |
| 42.5° | 1748.0 | 1603.6 | 599.2 | 109.3 | 89.1 | 68.1 | 49.1 | 39.7 | 35.4 | 33.3 | 32.7 |
| 45° | 1959.2 | 1740.1 | 458.7 | 97.4 | 77.2 | 54.9 | 38.5 | 31.4 | 28.1 | 26.9 | 26.9 |
| 47.5° | 2191.5 | 1872.8 | 335.7 | 87.0 | 64.4 | 42.4 | 30.8 | 25.6 | 22.9 | 22.0 | 21.7 |
| 50° | 2402.4 | 1965.0 | 242.0 | 76.0 | 52.8 | 33.6 | 25.0 | 21.4 | 19.5 | 18.3 | 18.3 |
| 52.5° | 2578.2 | 1994.0 | 178.2 | 64.1 | 42.7 | 26.9 | 20.8 | 18.3 | 16.5 | 15.6 | 15.6 |
| 55° | 2733.0 | 1982.1 | 132.5 | 52.8 | 34.5 | 22.0 | 17.7 | 15.6 | 14.0 | 13.1 | 13.1 |
| 57.5° | 2881.3 | 1943.7 | 98.9 | 43.0 | 27.8 | 17.7 | 15.0 | 13.1 | 11.6 | 11.0 | 11.0 |
| 60° | 3002.5 | 1879.6 | 73.6 | 34.8 | 22.3 | 14.3 | 12.5 | 10.7 | 9.5 | 8.5 | 8.5 |
| 62.5° | 3100.8 | 1808.7 | 54.0 | 28.7 | 17.7 | 11.3 | 9.8 | 8.9 | 7.0 | 6.1 | 6.1 |
| 65° | 3101.4 | 1691.2 | 40.6 | 23.8 | 13.7 | 8.9 | 7.3 | 7.0 | 4.6 | 3.7 | 3.4 |
| 67.5° | 2877.0 | 1458.0 | 31.1 | 20.4 | 10.7 | 6.7 | 5.5 | 5.8 | 2.4 | 1.5 | 1.2 |
| 68° | 2795.5 | 1398.8 | 29.3 | 20.1 | 10.1 | 6.4 | 5.2 | 5.8 | 2.1 | 1.2 | 0.9 |
| 70° | 2356.9 | 1112.8 | 23.5 | 19.5 | 8.9 | 4.9 | 4.3 | 5.8 | 1.8 | 0.9 | 0.6 |
| 72.5° | 1507.5 | 645.9 | 17.4 | 15.6 | 6.7 | 3.7 | 2.7 | 5.2 | 1.8 | 0.6 | 0.3 |
| 75° | 641.6 | 200.2 | 11.9 | 11.0 | 4.0 | 2.7 | 1.8 | 3.4 | 1.2 | 0.3 | 0.0 |
| 77.5° | 135.2 | 45.2 | 7.0 | 6.7 | 2.7 | 1.8 | 1.2 | 0.9 | 0.3 | 0.0 | 0.0 |
| 80° | 34.8 | 13.1 | 3.7 | 3.4 | 1.5 | 0.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 11.0 | 5.2 | 2.1 | 1.5 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 5.5 | 3.1 | 1.2 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.1 | 0.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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)