

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: P1208596

Luminaire Tested: UPW-SA1-070-740-U-T3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208596
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-740-U-T3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6039 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

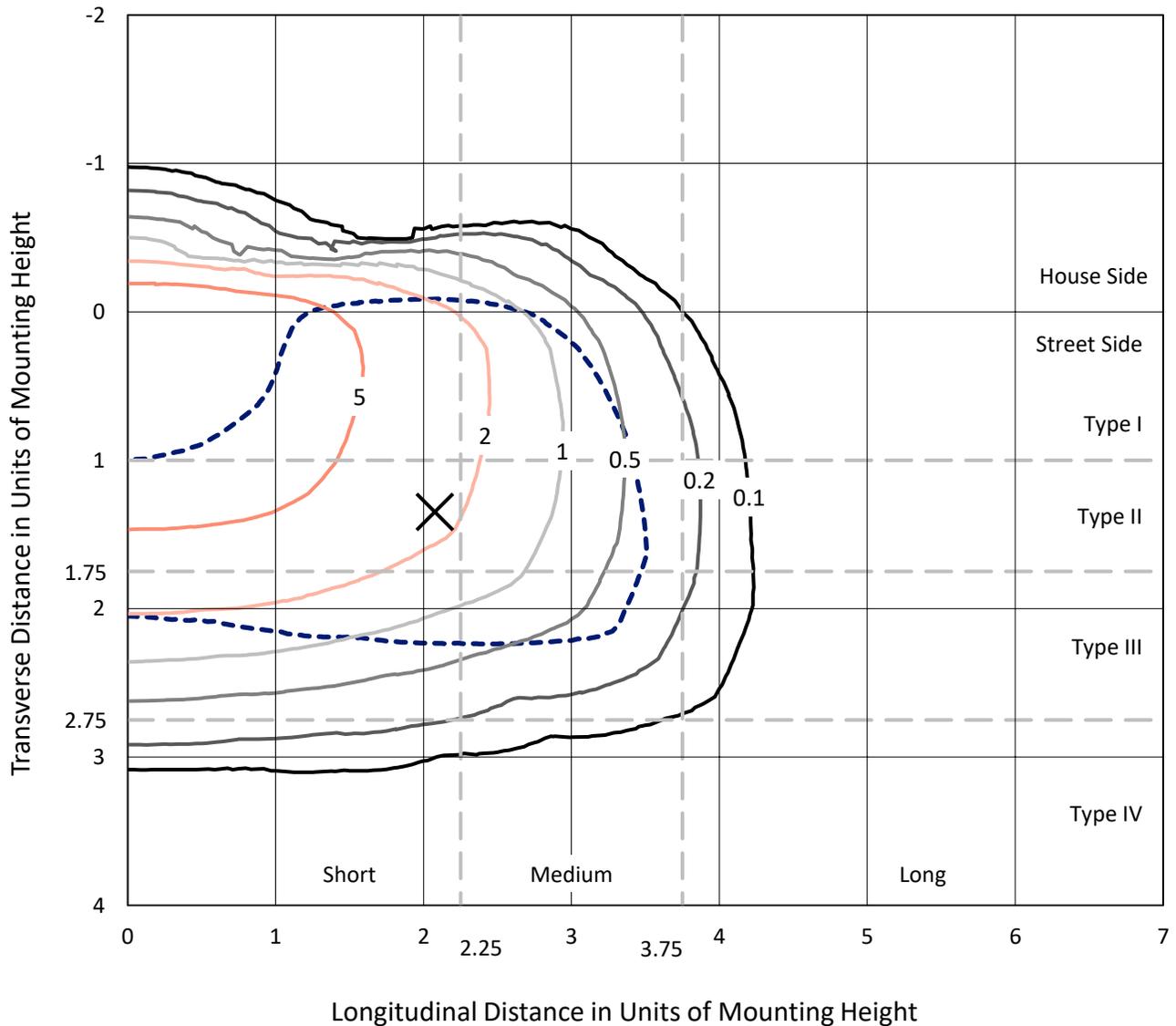
Input Watts (W): 67
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

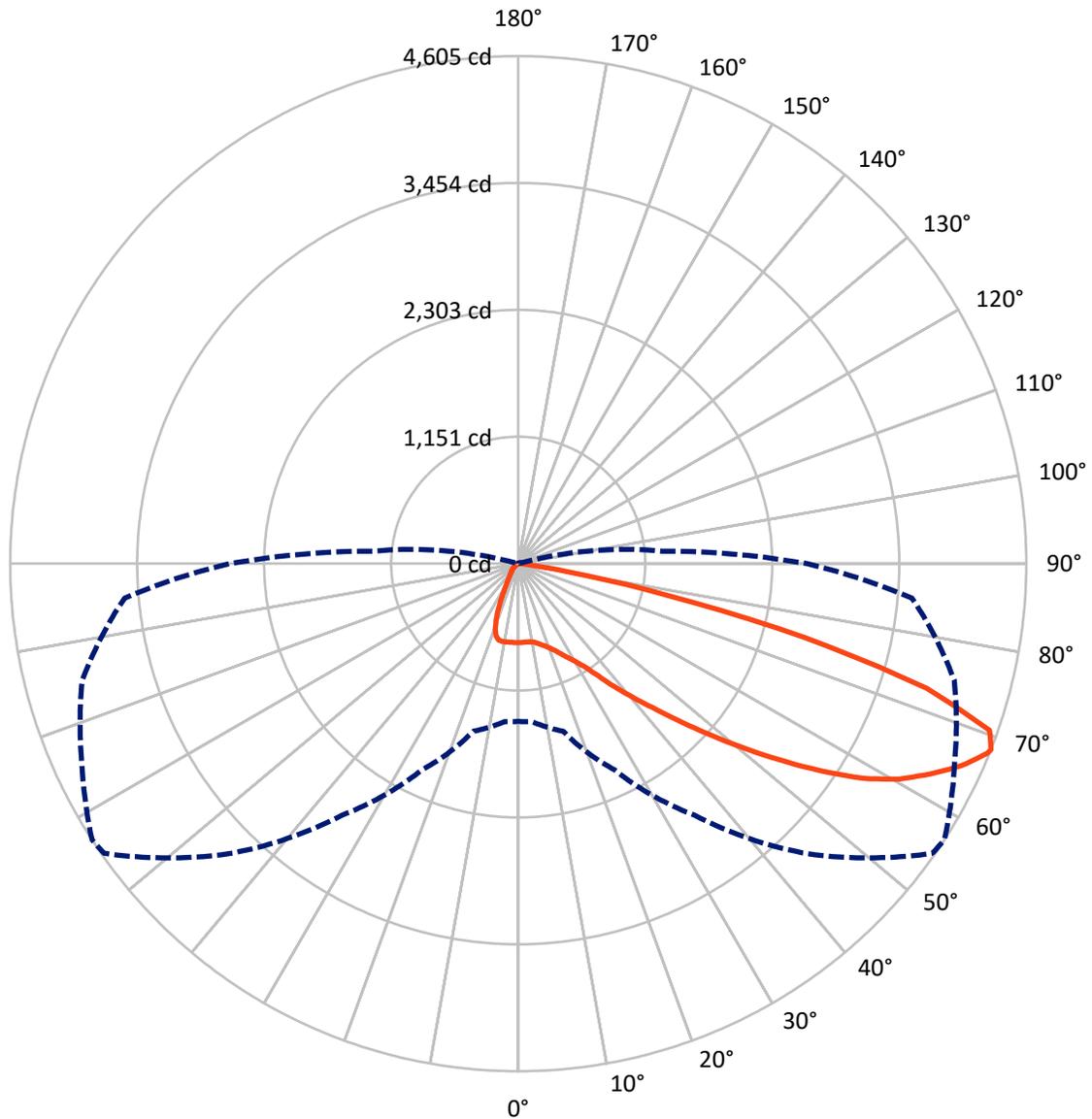
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 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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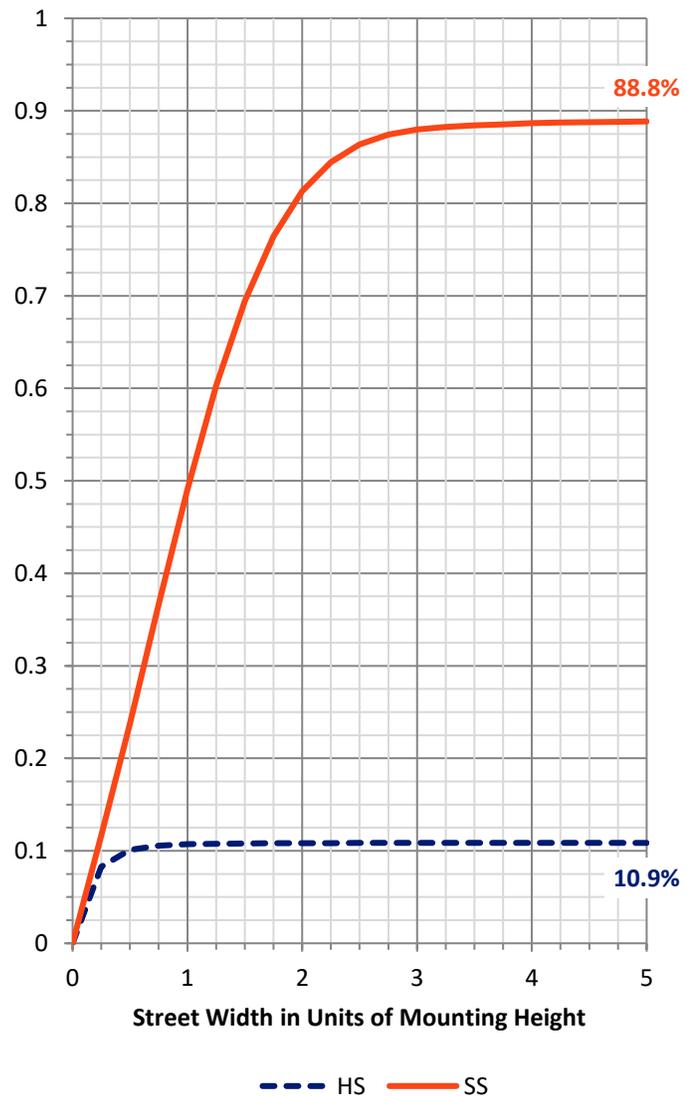
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 662.2 | 0.0 | 662.2 |
| | % Fixture | 11.0 | 0.0 | 11.0 |
| Street Side | Lumens | 5376.8 | 0.0 | 5376.8 |
| | % Fixture | 89.0 | 0.0 | 89.0 |
| Total | Lumens | 6039.0 | 0.0 | 6039.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 67.2 | 1.1 |
| 10°-20° | 186.1 | 3.1 |
| 20°-30° | 321.0 | 5.3 |
| 30°-40° | 554.1 | 9.2 |
| 40°-50° | 947.8 | 15.7 |
| 50°-60° | 1516.3 | 25.1 |
| 60°-70° | 1752.0 | 29.0 |
| 70°-80° | 669.5 | 11.1 |
| 80°-90° | 25.1 | 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° | 6039.0 | 100.0 |
| 0°-180° | 6039.0 | 100.0 |



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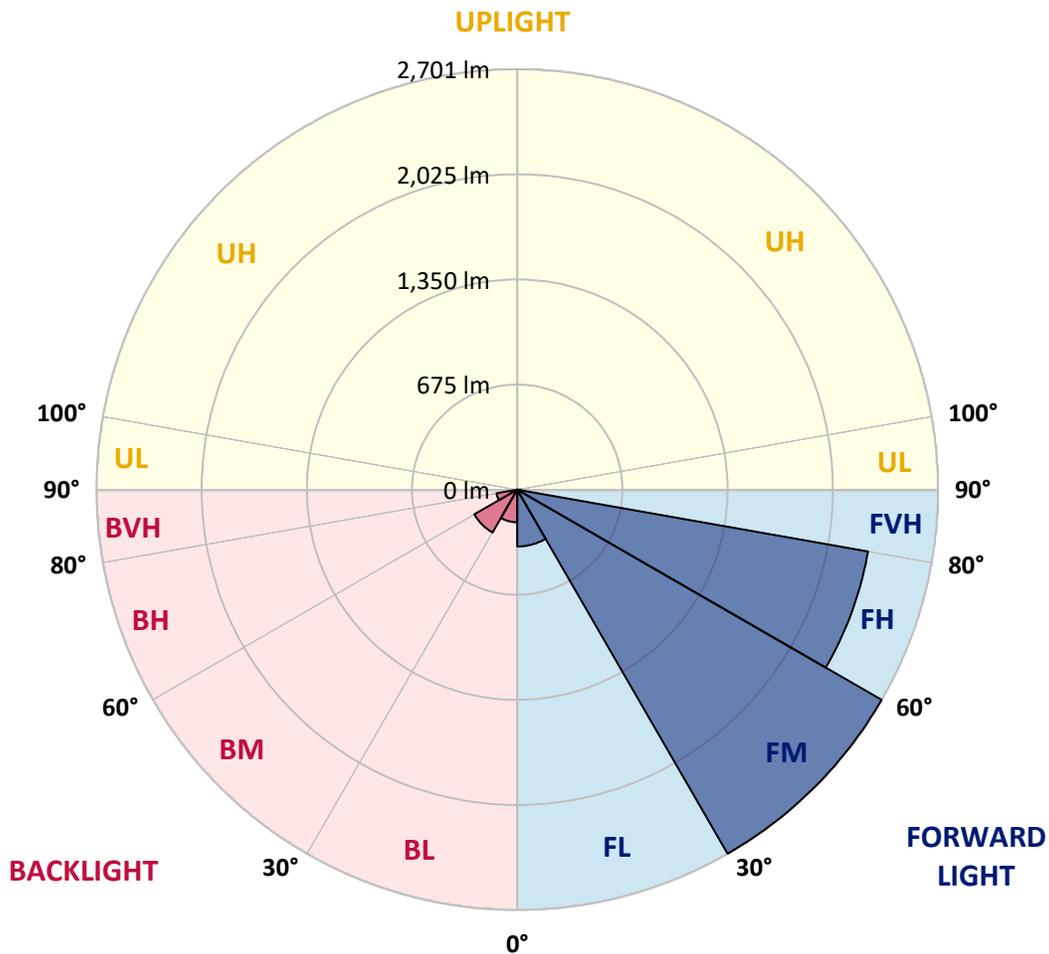
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 365.0 | 6.0 | | | |
| FM | (30°-60°) | 2700.6 | 44.7 | | | |
| FH | (60°-80°) | 2286.6 | 37.9 | | | G2/5000 |
| FVH | (80°-90°) | 24.6 | 0.4 | | | G1/100 |
| BL | (0°-30°) | 209.3 | 3.5 | B1/500 | | |
| BM | (30°-60°) | 317.6 | 5.3 | B1/1000 | | |
| BH | (60°-80°) | 134.9 | 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° | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 |
| 2.5° | 700.7 | 703.9 | 706.2 | 707.6 | 709.3 | 713.0 | 714.2 | 715.9 | 716.7 | 716.7 | 718.7 |
| 5° | 673.0 | 676.5 | 681.3 | 685.3 | 693.3 | 703.6 | 711.0 | 713.9 | 719.0 | 723.6 | 726.2 |
| 7.5° | 647.3 | 651.3 | 657.1 | 666.5 | 680.2 | 696.7 | 712.2 | 716.2 | 726.2 | 735.9 | 740.7 |
| 10° | 630.8 | 633.9 | 641.4 | 654.8 | 672.8 | 695.9 | 717.6 | 722.4 | 739.6 | 755.9 | 765.0 |
| 12.5° | 625.1 | 627.9 | 635.6 | 650.8 | 673.0 | 700.2 | 730.2 | 737.3 | 762.4 | 786.1 | 799.0 |
| 15° | 633.4 | 633.9 | 642.2 | 656.5 | 678.5 | 710.7 | 751.0 | 759.6 | 791.3 | 822.1 | 838.1 |
| 17.5° | 665.3 | 662.8 | 667.0 | 673.3 | 690.8 | 724.7 | 773.0 | 785.8 | 828.1 | 864.4 | 879.5 |
| 20° | 745.3 | 745.3 | 735.6 | 718.4 | 718.7 | 746.4 | 802.7 | 817.3 | 868.9 | 910.9 | 924.6 |
| 22.5° | 882.1 | 879.5 | 860.1 | 818.1 | 779.6 | 783.8 | 839.0 | 857.8 | 918.0 | 962.9 | 967.5 |
| 25° | 1046.5 | 1043.4 | 1013.4 | 954.3 | 887.5 | 844.4 | 888.1 | 909.8 | 976.6 | 1016.3 | 1006.9 |
| 27.5° | 1220.7 | 1218.2 | 1188.5 | 1115.1 | 1020.0 | 940.9 | 946.6 | 967.2 | 1036.3 | 1075.4 | 1045.4 |
| 30° | 1389.5 | 1390.4 | 1360.9 | 1285.6 | 1177.9 | 1064.0 | 1020.8 | 1032.8 | 1094.2 | 1133.9 | 1091.1 |
| 32.5° | 1550.0 | 1551.1 | 1525.7 | 1441.5 | 1341.0 | 1207.0 | 1123.6 | 1120.5 | 1161.6 | 1200.7 | 1151.6 |
| 35° | 1693.0 | 1695.9 | 1678.5 | 1613.1 | 1506.6 | 1366.4 | 1257.0 | 1249.6 | 1257.3 | 1301.5 | 1244.4 |
| 37.5° | 1831.0 | 1832.7 | 1819.5 | 1764.4 | 1675.3 | 1541.4 | 1425.5 | 1414.9 | 1398.3 | 1432.3 | 1366.9 |
| 40° | 1982.0 | 1977.7 | 1962.6 | 1912.6 | 1836.1 | 1734.7 | 1606.5 | 1588.2 | 1559.4 | 1589.7 | 1528.0 |
| 42.5° | 2122.5 | 2117.7 | 2120.2 | 2063.7 | 1999.2 | 1933.5 | 1817.5 | 1786.1 | 1769.3 | 1804.1 | 1725.6 |
| 45° | 2298.1 | 2295.6 | 2304.1 | 2255.0 | 2202.7 | 2155.1 | 2059.4 | 2025.1 | 2017.7 | 2058.5 | 1964.6 |
| 47.5° | 2471.5 | 2477.7 | 2504.3 | 2483.4 | 2462.3 | 2420.3 | 2315.5 | 2300.1 | 2304.7 | 2354.1 | 2216.7 |
| 50° | 2615.9 | 2623.4 | 2696.2 | 2720.2 | 2750.7 | 2726.2 | 2621.1 | 2611.7 | 2629.6 | 2674.2 | 2488.0 |
| 52.5° | 2720.5 | 2735.6 | 2826.1 | 2936.6 | 3048.0 | 3064.5 | 2959.7 | 2951.2 | 2975.5 | 2982.3 | 2697.6 |
| 55° | 2793.0 | 2806.4 | 2908.9 | 3111.1 | 3337.8 | 3409.2 | 3344.1 | 3311.0 | 3306.4 | 3238.7 | 2918.1 |
| 57.5° | 2805.8 | 2804.4 | 2951.8 | 3223.9 | 3565.1 | 3749.3 | 3708.2 | 3675.6 | 3582.0 | 3475.7 | 3170.8 |
| 60° | 2733.3 | 2741.6 | 2912.6 | 3263.0 | 3707.9 | 4006.6 | 4009.7 | 3967.5 | 3821.5 | 3706.2 | 3415.8 |
| 62.5° | 2510.0 | 2543.7 | 2716.5 | 3160.5 | 3706.2 | 4110.2 | 4230.7 | 4198.5 | 4024.0 | 3894.9 | 3664.2 |
| 65° | 2147.9 | 2159.9 | 2324.7 | 2809.3 | 3455.8 | 4066.8 | 4429.8 | 4417.8 | 4206.5 | 4078.3 | 3791.8 |
| 67.5° | 1568.5 | 1542.6 | 1715.6 | 2212.2 | 2925.8 | 3813.8 | 4572.5 | 4587.7 | 4347.2 | 4115.9 | 3655.9 |
| 68° | 1431.5 | 1439.2 | 1574.0 | 2064.5 | 2787.0 | 3724.5 | 4582.0 | 4605.1 | 4361.2 | 4091.4 | 3581.7 |
| 70° | 853.2 | 868.1 | 988.3 | 1421.5 | 2120.2 | 3218.7 | 4480.3 | 4533.1 | 4277.9 | 3838.1 | 3098.0 |
| 72.5° | 217.9 | 235.6 | 349.2 | 636.2 | 1211.0 | 2267.9 | 3782.1 | 3871.5 | 3714.2 | 3113.7 | 2091.4 |
| 75° | 89.7 | 94.2 | 124.8 | 209.6 | 451.2 | 1021.7 | 2492.9 | 2684.2 | 2574.8 | 1864.1 | 945.2 |
| 77.5° | 62.0 | 65.1 | 80.2 | 116.2 | 195.3 | 346.4 | 1222.2 | 1360.4 | 1225.6 | 636.2 | 206.2 |
| 80° | 44.5 | 47.1 | 57.4 | 77.4 | 112.2 | 123.6 | 398.3 | 460.6 | 365.8 | 139.6 | 51.1 |
| 82.5° | 26.6 | 28.6 | 42.8 | 55.1 | 68.2 | 59.1 | 99.1 | 112.5 | 105.9 | 69.4 | 22.8 |
| 85° | 13.1 | 15.4 | 28.8 | 39.4 | 36.8 | 24.8 | 30.3 | 33.7 | 41.7 | 42.3 | 12.3 |
| 87.5° | 0.9 | 1.7 | 16.8 | 23.7 | 10.3 | 5.7 | 8.9 | 10.9 | 14.8 | 20.8 | 5.1 |
| 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° | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 | 717.6 |
| 2.5° | 719.6 | 719.9 | 717.9 | 717.0 | 717.6 | 714.2 | 712.7 | 713.3 | 713.3 | 714.2 | 712.7 |
| 5° | 726.7 | 726.7 | 723.3 | 718.7 | 716.2 | 709.6 | 705.3 | 704.2 | 703.3 | 702.7 | 701.6 |
| 7.5° | 742.1 | 740.4 | 734.4 | 724.4 | 715.9 | 701.6 | 690.8 | 685.0 | 682.2 | 681.0 | 680.2 |
| 10° | 767.0 | 763.9 | 753.9 | 735.3 | 715.6 | 690.2 | 666.5 | 649.6 | 635.6 | 629.9 | 626.5 |
| 12.5° | 800.4 | 795.8 | 779.0 | 748.1 | 713.6 | 666.8 | 615.4 | 566.0 | 520.0 | 501.1 | 491.7 |
| 15° | 839.0 | 832.4 | 805.8 | 759.0 | 701.9 | 613.9 | 502.3 | 415.8 | 352.1 | 328.1 | 317.8 |
| 17.5° | 878.1 | 869.5 | 829.2 | 765.9 | 666.8 | 504.6 | 352.4 | 266.1 | 223.6 | 212.2 | 208.2 |
| 20° | 917.5 | 904.9 | 849.5 | 760.7 | 587.4 | 363.8 | 232.4 | 194.5 | 182.2 | 178.8 | 177.6 |
| 22.5° | 954.9 | 935.5 | 867.8 | 740.7 | 465.2 | 244.1 | 183.9 | 171.9 | 167.9 | 165.9 | 165.3 |
| 25° | 987.4 | 960.3 | 883.8 | 679.0 | 329.2 | 184.5 | 165.6 | 161.6 | 156.5 | 152.8 | 153.1 |
| 27.5° | 1018.0 | 985.2 | 893.5 | 577.4 | 219.6 | 157.6 | 153.3 | 147.9 | 138.5 | 133.1 | 133.1 |
| 30° | 1054.8 | 1018.3 | 900.6 | 444.3 | 161.6 | 139.3 | 135.9 | 127.6 | 114.8 | 107.7 | 107.7 |
| 32.5° | 1110.2 | 1068.5 | 896.1 | 311.8 | 133.9 | 122.5 | 114.5 | 103.1 | 89.1 | 82.2 | 82.0 |
| 35° | 1195.0 | 1146.2 | 863.5 | 204.5 | 118.2 | 106.5 | 93.7 | 79.7 | 67.4 | 61.7 | 61.4 |
| 37.5° | 1309.3 | 1250.1 | 790.4 | 146.2 | 105.9 | 91.7 | 76.2 | 60.8 | 51.7 | 48.0 | 47.7 |
| 40° | 1457.5 | 1370.9 | 685.9 | 118.5 | 94.5 | 77.4 | 58.8 | 47.1 | 40.8 | 38.0 | 38.3 |
| 42.5° | 1635.4 | 1500.3 | 560.5 | 102.2 | 83.4 | 63.7 | 46.0 | 37.1 | 33.1 | 31.1 | 30.6 |
| 45° | 1833.0 | 1627.9 | 429.2 | 91.1 | 72.2 | 51.4 | 36.0 | 29.4 | 26.3 | 25.1 | 25.1 |
| 47.5° | 2050.3 | 1752.1 | 314.1 | 81.4 | 60.3 | 39.7 | 28.8 | 24.0 | 21.4 | 20.6 | 20.3 |
| 50° | 2247.6 | 1838.4 | 226.4 | 71.1 | 49.4 | 31.4 | 23.4 | 20.0 | 18.3 | 17.1 | 17.1 |
| 52.5° | 2412.1 | 1865.5 | 166.8 | 60.0 | 40.0 | 25.1 | 19.4 | 17.1 | 15.4 | 14.6 | 14.6 |
| 55° | 2556.8 | 1854.4 | 123.9 | 49.4 | 32.3 | 20.6 | 16.6 | 14.6 | 13.1 | 12.3 | 12.3 |
| 57.5° | 2695.6 | 1818.4 | 92.5 | 40.3 | 26.0 | 16.6 | 14.0 | 12.3 | 10.9 | 10.3 | 10.3 |
| 60° | 2809.0 | 1758.4 | 68.8 | 32.6 | 20.8 | 13.4 | 11.7 | 10.0 | 8.9 | 8.0 | 8.0 |
| 62.5° | 2900.9 | 1692.2 | 50.5 | 26.8 | 16.6 | 10.6 | 9.1 | 8.3 | 6.6 | 5.7 | 5.7 |
| 65° | 2901.5 | 1582.2 | 38.0 | 22.3 | 12.8 | 8.3 | 6.9 | 6.6 | 4.3 | 3.4 | 3.1 |
| 67.5° | 2691.6 | 1364.1 | 29.1 | 19.1 | 10.0 | 6.3 | 5.1 | 5.4 | 2.3 | 1.4 | 1.1 |
| 68° | 2615.4 | 1308.7 | 27.4 | 18.8 | 9.4 | 6.0 | 4.9 | 5.4 | 2.0 | 1.1 | 0.9 |
| 70° | 2205.0 | 1041.1 | 22.0 | 18.3 | 8.3 | 4.6 | 4.0 | 5.4 | 1.7 | 0.9 | 0.6 |
| 72.5° | 1410.3 | 604.2 | 16.3 | 14.6 | 6.3 | 3.4 | 2.6 | 4.9 | 1.7 | 0.6 | 0.3 |
| 75° | 600.2 | 187.3 | 11.1 | 10.3 | 3.7 | 2.6 | 1.7 | 3.1 | 1.1 | 0.3 | 0.0 |
| 77.5° | 126.5 | 42.3 | 6.6 | 6.3 | 2.6 | 1.7 | 1.1 | 0.9 | 0.3 | 0.0 | 0.0 |
| 80° | 32.6 | 12.3 | 3.4 | 3.1 | 1.4 | 0.9 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 10.3 | 4.9 | 2.0 | 1.4 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 5.1 | 2.9 | 1.1 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 2.9 | 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)