

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: P1209502

Luminaire Tested: UPW-SA2-130-730-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209502
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-730-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13993 lumens
Efficiency: N/A
Efficacy: 108.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 129
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

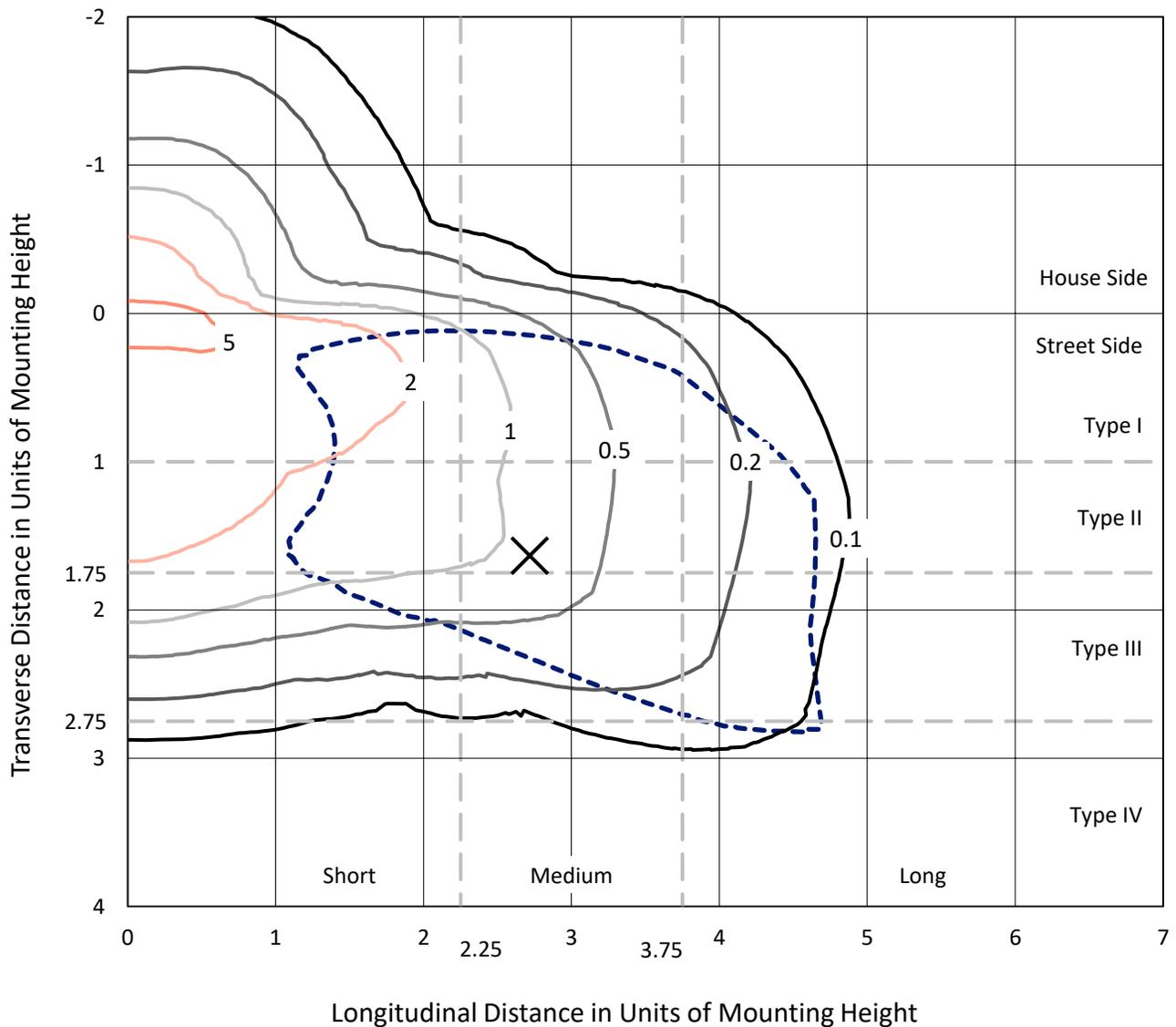


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

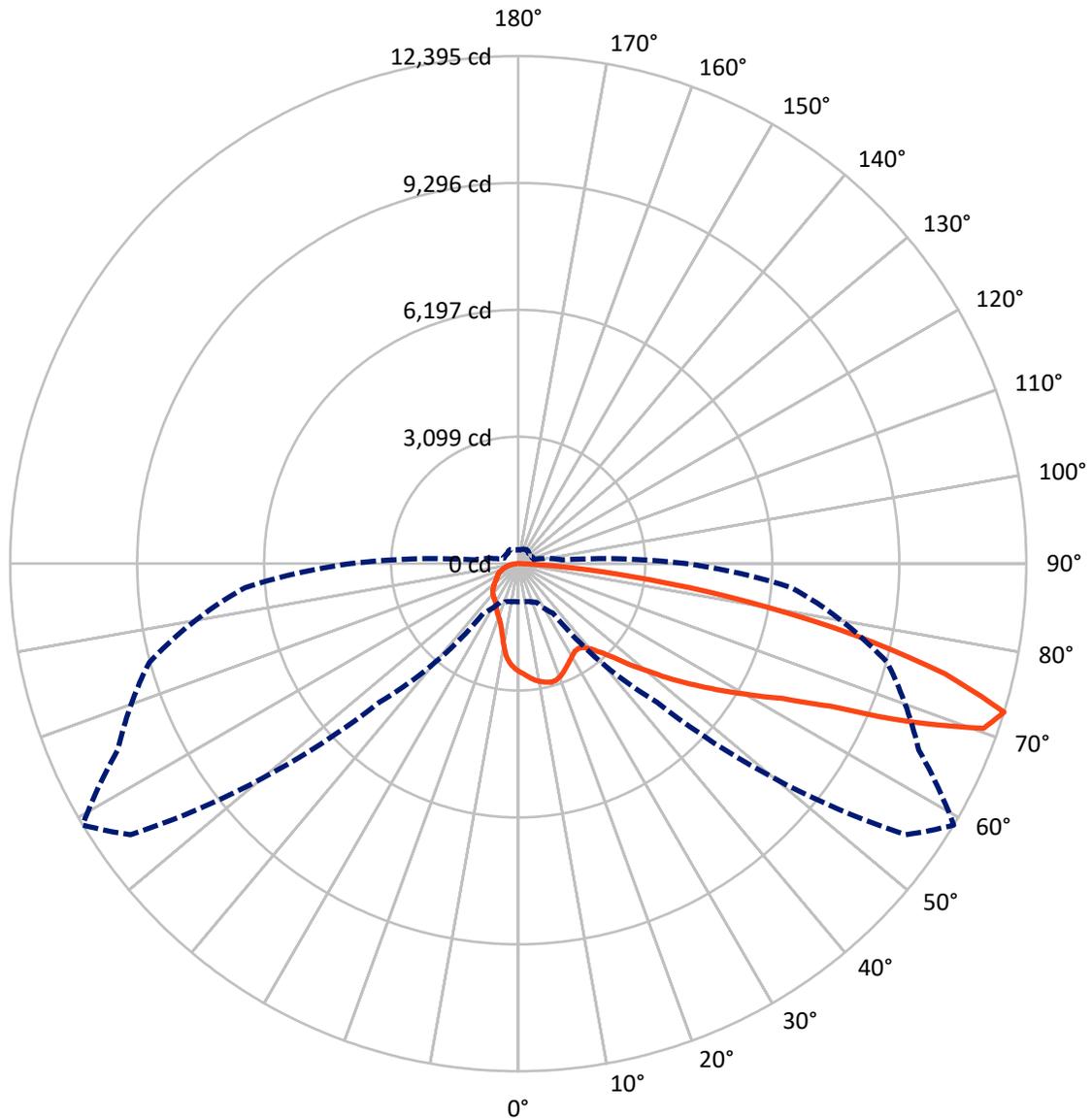


Based on 20 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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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 | 2381.1 | 0.0 | 2381.1 |
| | % Fixture | 17.0 | 0.0 | 17.0 |
| Street Side | Lumens | 11611.9 | 0.0 | 11611.9 |
| | % Fixture | 83.0 | 0.0 | 83.0 |
| Total | Lumens | 13993.0 | 0.0 | 13993.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 236.8 | 1.7 |
| 10°-20° | 604.5 | 4.3 |
| 20°-30° | 888.9 | 6.4 |
| 30°-40° | 1221.3 | 8.7 |
| 40°-50° | 1824.4 | 13.0 |
| 50°-60° | 2780.3 | 19.9 |
| 60°-70° | 3563.5 | 25.5 |
| 70°-80° | 2463.4 | 17.6 |
| 80°-90° | 409.9 | 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° | 13993.0 | 100.0 |
| 0°-180° | 13993.0 | 100.0 |



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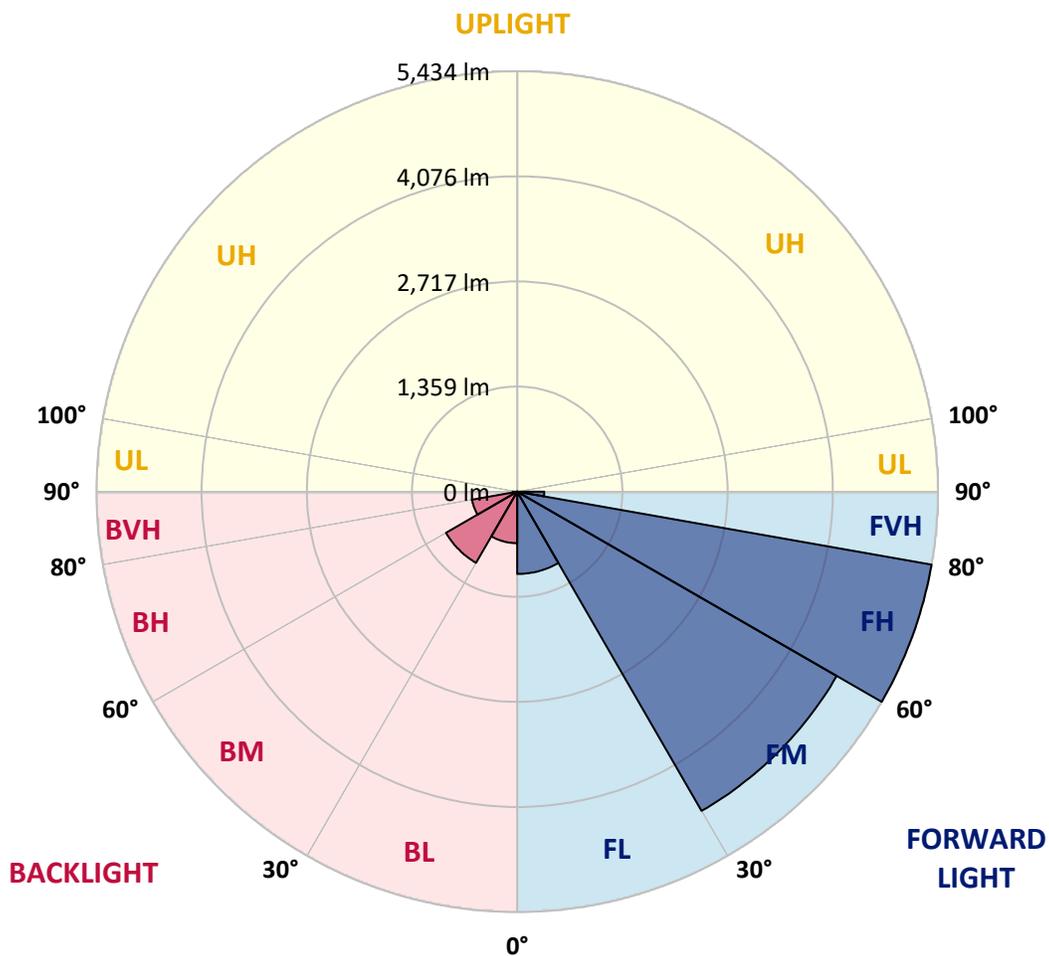
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 1063.9 | 7.6 | | | |
| FM | (30°-60°) | 4764.1 | 34.0 | | | |
| FH | (60°-80°) | 5434.4 | 38.8 | | | G3/7500 |
| FVH | (80°-90°) | 349.6 | 2.5 | | | G3/500 |
| BL | (0°-30°) | 666.3 | 4.8 | B2/1000 | | |
| BM | (30°-60°) | 1062.0 | 7.6 | B2/2500 | | |
| BH | (60°-80°) | 592.5 | 4.2 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 60.3 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|--------|--------|
| 0° | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 |
| 2.5° | 2747.1 | 2739.3 | 2743.2 | 2749.0 | 2733.5 | 2735.4 | 2716.0 | 2700.5 | 2688.9 | 2681.1 | 2663.7 |
| 5° | 2815.0 | 2795.6 | 2803.3 | 2820.8 | 2803.3 | 2818.9 | 2797.5 | 2785.9 | 2766.5 | 2754.8 | 2716.0 |
| 7.5° | 2758.7 | 2745.1 | 2764.5 | 2809.2 | 2830.5 | 2871.2 | 2875.1 | 2867.4 | 2859.6 | 2834.4 | 2785.9 |
| 10° | 2498.8 | 2491.0 | 2541.4 | 2659.8 | 2758.7 | 2857.7 | 2923.6 | 2923.6 | 2927.5 | 2910.0 | 2851.8 |
| 12.5° | 2168.9 | 2163.1 | 2229.1 | 2374.6 | 2568.6 | 2795.6 | 2952.7 | 2970.2 | 3001.2 | 2995.4 | 2921.7 |
| 15° | 1949.7 | 1945.8 | 1998.2 | 2114.6 | 2314.4 | 2636.5 | 2948.8 | 3007.0 | 3071.1 | 3084.6 | 2993.5 |
| 17.5° | 1837.2 | 1837.2 | 1874.1 | 1963.3 | 2101.0 | 2415.3 | 2863.5 | 2991.5 | 3121.5 | 3185.5 | 3074.9 |
| 20° | 1806.2 | 1802.3 | 1823.6 | 1877.9 | 1973.0 | 2217.4 | 2735.4 | 2937.2 | 3160.3 | 3267.0 | 3127.3 |
| 22.5° | 1821.7 | 1817.8 | 1825.6 | 1852.7 | 1907.0 | 2085.5 | 2597.7 | 2855.7 | 3181.6 | 3338.8 | 3173.9 |
| 25° | 1897.3 | 1893.5 | 1883.8 | 1881.8 | 1893.5 | 2023.4 | 2458.0 | 2764.5 | 3203.0 | 3441.6 | 3230.1 |
| 27.5° | 2044.8 | 2033.1 | 2000.2 | 1969.1 | 1938.1 | 2009.9 | 2368.8 | 2683.1 | 3230.1 | 3527.0 | 3265.1 |
| 30° | 2234.9 | 2231.0 | 2190.3 | 2132.1 | 2029.3 | 2040.9 | 2312.5 | 2607.4 | 3230.1 | 3592.9 | 3263.1 |
| 32.5° | 2374.6 | 2376.5 | 2368.8 | 2333.8 | 2188.3 | 2110.7 | 2291.2 | 2545.3 | 3224.3 | 3684.1 | 3270.9 |
| 35° | 2522.0 | 2522.0 | 2502.6 | 2502.6 | 2407.6 | 2246.5 | 2322.2 | 2539.5 | 3257.3 | 3835.4 | 3327.1 |
| 37.5° | 2772.3 | 2768.4 | 2727.7 | 2686.9 | 2617.1 | 2465.8 | 2413.4 | 2595.8 | 3348.5 | 4077.9 | 3402.8 |
| 40° | 3102.1 | 3109.9 | 3026.4 | 2913.9 | 2832.4 | 2719.9 | 2584.1 | 2739.3 | 3490.1 | 4367.0 | 3499.8 |
| 42.5° | 3499.8 | 3521.1 | 3391.2 | 3236.0 | 3094.3 | 2946.9 | 2822.7 | 2968.2 | 3740.4 | 4778.3 | 3666.6 |
| 45° | 3988.7 | 3967.3 | 3804.4 | 3596.8 | 3410.6 | 3160.3 | 3084.6 | 3265.1 | 4066.3 | 5335.1 | 3922.7 |
| 47.5° | 4413.6 | 4425.2 | 4225.4 | 3998.4 | 3767.5 | 3420.3 | 3416.4 | 3699.6 | 4497.0 | 5905.4 | 4217.6 |
| 50° | 4826.8 | 4861.7 | 4640.5 | 4401.9 | 4155.5 | 3711.3 | 3835.4 | 4130.3 | 4958.7 | 6487.4 | 4582.3 |
| 52.5° | 5150.8 | 5174.0 | 4968.4 | 4762.8 | 4518.3 | 4095.4 | 4330.1 | 4683.2 | 5426.2 | 7044.2 | 5001.4 |
| 55° | 5406.8 | 5439.8 | 5209.0 | 5038.2 | 4852.0 | 4514.4 | 4896.6 | 5228.4 | 5911.3 | 7562.2 | 5430.1 |
| 57.5° | 5754.1 | 5773.5 | 5482.5 | 5333.1 | 5158.5 | 4991.7 | 5519.4 | 5841.4 | 6431.2 | 8002.6 | 5874.4 |
| 60° | 6019.9 | 6031.5 | 5730.8 | 5684.3 | 5680.4 | 5649.3 | 6212.0 | 6499.1 | 6920.1 | 8413.9 | 6328.4 |
| 62.5° | 5789.0 | 5789.0 | 5581.4 | 5711.4 | 6182.9 | 6729.9 | 7172.3 | 7257.6 | 7424.5 | 8813.5 | 6764.9 |
| 65° | 4586.2 | 4632.8 | 4656.1 | 5092.6 | 6146.0 | 7835.8 | 8765.0 | 8388.7 | 8055.0 | 9180.2 | 7121.8 |
| 67.5° | 2407.6 | 2500.7 | 2716.0 | 3468.8 | 5067.3 | 8239.3 | 10805.9 | 10307.3 | 8949.3 | 9426.6 | 7261.5 |
| 70° | 1226.1 | 1253.3 | 1365.8 | 1786.8 | 3189.4 | 7178.1 | 12018.4 | 12047.5 | 10016.3 | 9533.3 | 7160.6 |
| 72.5° | 931.2 | 931.2 | 956.4 | 1039.9 | 1474.4 | 4788.0 | 11543.1 | 12394.8 | 10780.7 | 9317.9 | 6685.3 |
| 75° | 776.0 | 785.7 | 836.2 | 847.8 | 745.0 | 2485.2 | 9362.6 | 10753.6 | 9967.8 | 8528.3 | 5839.5 |
| 77.5° | 622.7 | 628.6 | 708.1 | 754.7 | 502.5 | 1063.1 | 6826.9 | 8392.5 | 7686.4 | 6892.9 | 4112.8 |
| 80° | 469.5 | 479.2 | 551.0 | 646.0 | 372.5 | 510.2 | 4599.8 | 5740.5 | 4809.3 | 4225.4 | 1899.3 |
| 82.5° | 314.3 | 318.2 | 376.4 | 510.2 | 275.5 | 283.2 | 2710.2 | 3216.6 | 2337.7 | 1583.1 | 498.6 |
| 85° | 192.1 | 195.9 | 234.7 | 329.8 | 182.4 | 151.3 | 1202.8 | 1243.6 | 739.1 | 376.4 | 178.5 |
| 87.5° | 87.3 | 97.0 | 122.2 | 159.1 | 91.2 | 62.1 | 201.8 | 197.9 | 145.5 | 135.8 | 75.7 |
| 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° | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 | 2634.6 |
| 2.5° | 2638.4 | 2617.1 | 2595.8 | 2566.7 | 2541.4 | 2498.8 | 2469.6 | 2440.5 | 2425.0 | 2421.1 | 2415.3 |
| 5° | 2685.0 | 2648.1 | 2586.1 | 2504.6 | 2415.3 | 2314.4 | 2219.4 | 2136.0 | 2079.7 | 2062.2 | 2070.0 |
| 7.5° | 2739.3 | 2686.9 | 2564.7 | 2407.6 | 2227.1 | 2029.3 | 1862.4 | 1753.8 | 1685.9 | 1647.1 | 1654.8 |
| 10° | 2787.8 | 2712.2 | 2518.2 | 2254.3 | 1945.8 | 1697.5 | 1565.6 | 1489.9 | 1455.0 | 1451.1 | 1449.2 |
| 12.5° | 2836.3 | 2737.4 | 2446.4 | 2035.1 | 1693.6 | 1497.7 | 1431.7 | 1410.4 | 1406.5 | 1410.4 | 1408.5 |
| 15° | 2892.6 | 2751.0 | 2324.1 | 1808.1 | 1515.2 | 1414.3 | 1392.9 | 1387.1 | 1389.1 | 1398.8 | 1396.8 |
| 17.5° | 2939.1 | 2745.1 | 2134.0 | 1602.5 | 1420.1 | 1373.5 | 1354.1 | 1344.4 | 1354.1 | 1371.6 | 1371.6 |
| 20° | 2954.7 | 2688.9 | 1914.8 | 1458.9 | 1367.7 | 1328.9 | 1301.8 | 1286.2 | 1297.9 | 1319.2 | 1323.1 |
| 22.5° | 2943.0 | 2582.2 | 1689.8 | 1358.0 | 1313.4 | 1276.5 | 1247.4 | 1231.9 | 1237.7 | 1253.3 | 1255.2 |
| 25° | 2925.6 | 2442.5 | 1491.9 | 1280.4 | 1243.6 | 1214.5 | 1206.7 | 1187.3 | 1177.6 | 1187.3 | 1189.2 |
| 27.5° | 2873.2 | 2258.2 | 1328.9 | 1200.9 | 1166.0 | 1169.8 | 1166.0 | 1148.5 | 1134.9 | 1133.0 | 1136.9 |
| 30° | 2756.8 | 2002.1 | 1206.7 | 1119.4 | 1107.8 | 1129.1 | 1129.1 | 1103.9 | 1078.7 | 1074.8 | 1080.6 |
| 32.5° | 2617.1 | 1740.2 | 1105.8 | 1051.5 | 1074.8 | 1086.4 | 1086.4 | 1065.1 | 1039.9 | 1024.3 | 1032.1 |
| 35° | 2479.4 | 1491.9 | 1028.2 | 1004.9 | 1049.6 | 1059.3 | 1049.6 | 1041.8 | 1001.1 | 962.3 | 972.0 |
| 37.5° | 2320.3 | 1278.5 | 960.3 | 970.0 | 1020.5 | 1024.3 | 1024.3 | 997.2 | 942.9 | 909.9 | 917.6 |
| 40° | 2147.6 | 1117.5 | 904.1 | 939.0 | 989.4 | 989.4 | 973.9 | 956.4 | 929.3 | 896.3 | 900.2 |
| 42.5° | 2037.0 | 1008.8 | 861.4 | 906.0 | 940.9 | 952.6 | 917.6 | 931.2 | 907.9 | 873.0 | 876.9 |
| 45° | 2021.5 | 940.9 | 826.5 | 855.6 | 886.6 | 882.7 | 884.7 | 894.4 | 873.0 | 826.5 | 824.5 |
| 47.5° | 2116.6 | 919.6 | 793.5 | 799.3 | 826.5 | 840.0 | 851.7 | 855.6 | 824.5 | 774.1 | 766.3 |
| 50° | 2328.0 | 956.4 | 760.5 | 748.8 | 772.1 | 803.2 | 814.8 | 820.6 | 783.8 | 731.4 | 723.6 |
| 52.5° | 2654.0 | 1070.9 | 731.4 | 706.2 | 704.2 | 758.5 | 791.5 | 807.0 | 748.8 | 692.6 | 688.7 |
| 55° | 3014.8 | 1226.1 | 692.6 | 669.3 | 648.0 | 723.6 | 772.1 | 789.6 | 715.9 | 642.1 | 636.3 |
| 57.5° | 3398.9 | 1410.4 | 648.0 | 632.4 | 607.2 | 690.6 | 737.2 | 750.8 | 665.4 | 582.0 | 578.1 |
| 60° | 3800.5 | 1575.3 | 605.3 | 591.7 | 578.1 | 646.0 | 694.5 | 698.4 | 618.9 | 535.4 | 531.6 |
| 62.5° | 4163.3 | 1687.8 | 564.5 | 549.0 | 549.0 | 593.6 | 644.1 | 640.2 | 570.4 | 492.8 | 488.9 |
| 65° | 4431.0 | 1674.2 | 527.7 | 508.3 | 516.0 | 537.4 | 582.0 | 568.4 | 518.0 | 452.0 | 448.1 |
| 67.5° | 4539.7 | 1530.7 | 492.8 | 471.4 | 473.4 | 479.2 | 516.0 | 506.3 | 465.6 | 411.3 | 409.3 |
| 70° | 4427.1 | 1272.7 | 448.1 | 421.0 | 417.1 | 419.0 | 455.9 | 438.4 | 409.3 | 374.4 | 372.5 |
| 72.5° | 4091.5 | 1067.0 | 397.7 | 374.4 | 366.7 | 360.8 | 391.9 | 384.1 | 362.8 | 333.7 | 335.6 |
| 75° | 3587.1 | 921.5 | 343.4 | 327.9 | 314.3 | 308.5 | 333.7 | 329.8 | 314.3 | 294.9 | 294.9 |
| 77.5° | 2506.5 | 673.2 | 283.2 | 277.4 | 269.7 | 258.0 | 277.4 | 279.4 | 269.7 | 263.8 | 261.9 |
| 80° | 1086.4 | 376.4 | 223.1 | 227.0 | 217.3 | 209.5 | 225.0 | 227.0 | 234.7 | 227.0 | 228.9 |
| 82.5° | 314.3 | 186.2 | 161.0 | 172.7 | 168.8 | 161.0 | 168.8 | 186.2 | 174.6 | 153.3 | 157.1 |
| 85° | 116.4 | 89.2 | 100.9 | 108.6 | 102.8 | 81.5 | 106.7 | 122.2 | 110.6 | 102.8 | 104.8 |
| 87.5° | 44.6 | 33.0 | 42.7 | 36.9 | 29.1 | 21.3 | 36.9 | 40.7 | 54.3 | 21.3 | 17.5 |
| 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)