

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P368002

Luminaire Tested: **PMM-SA3C-750-U-T3**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P368002
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-10)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-750-U-T3
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18179 lumens
Efficiency: N/A
Efficacy: 109.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

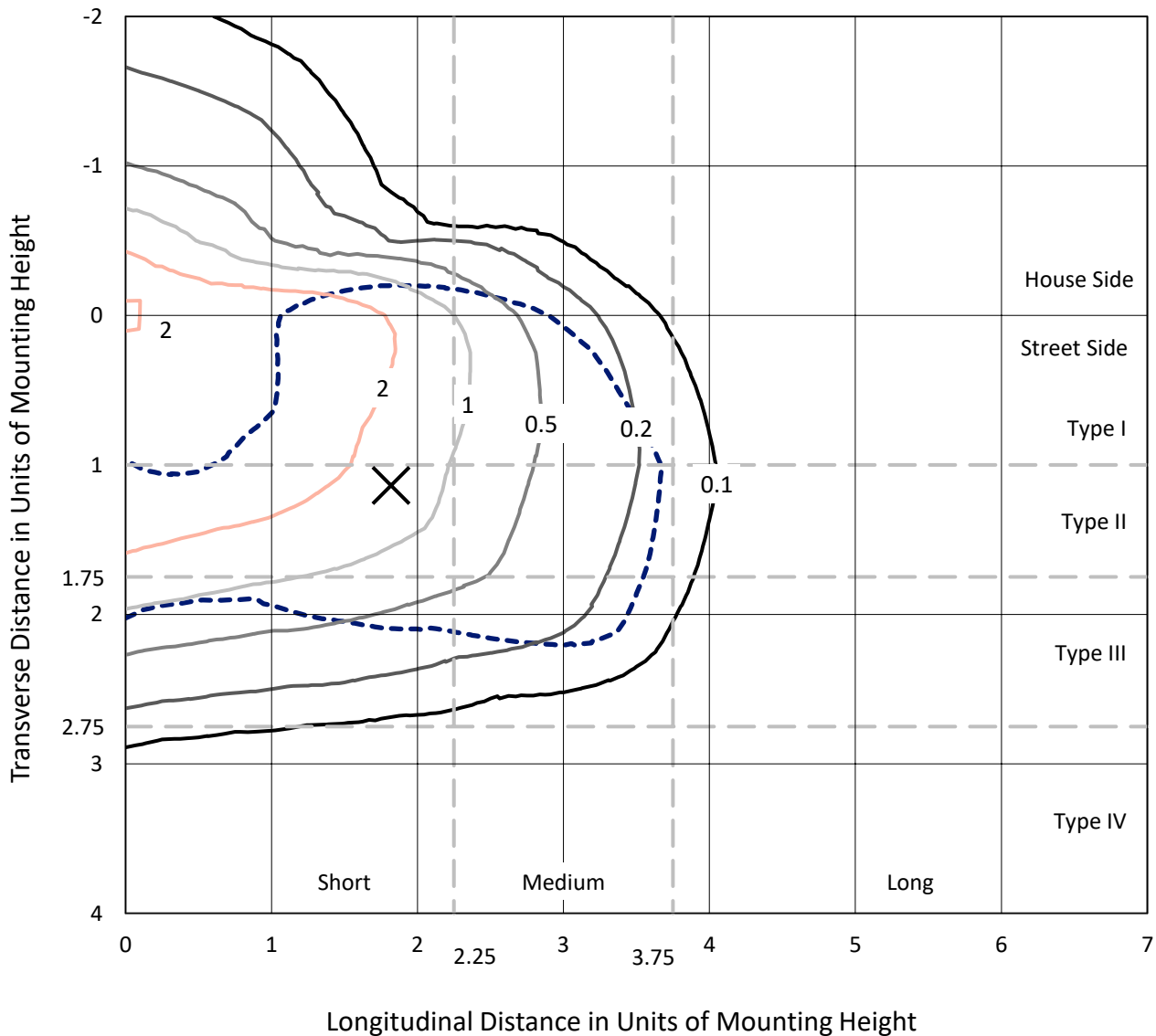
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

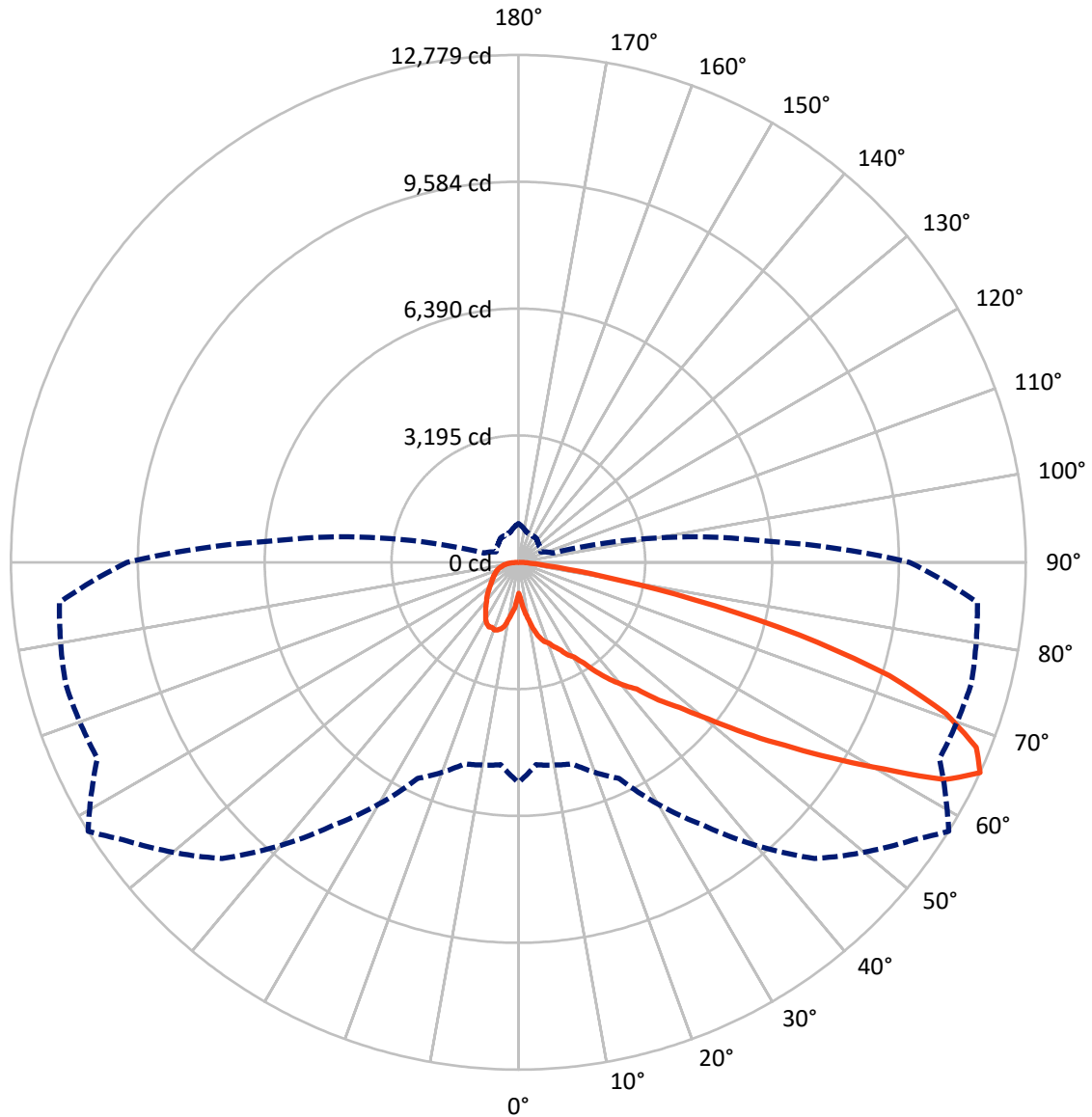
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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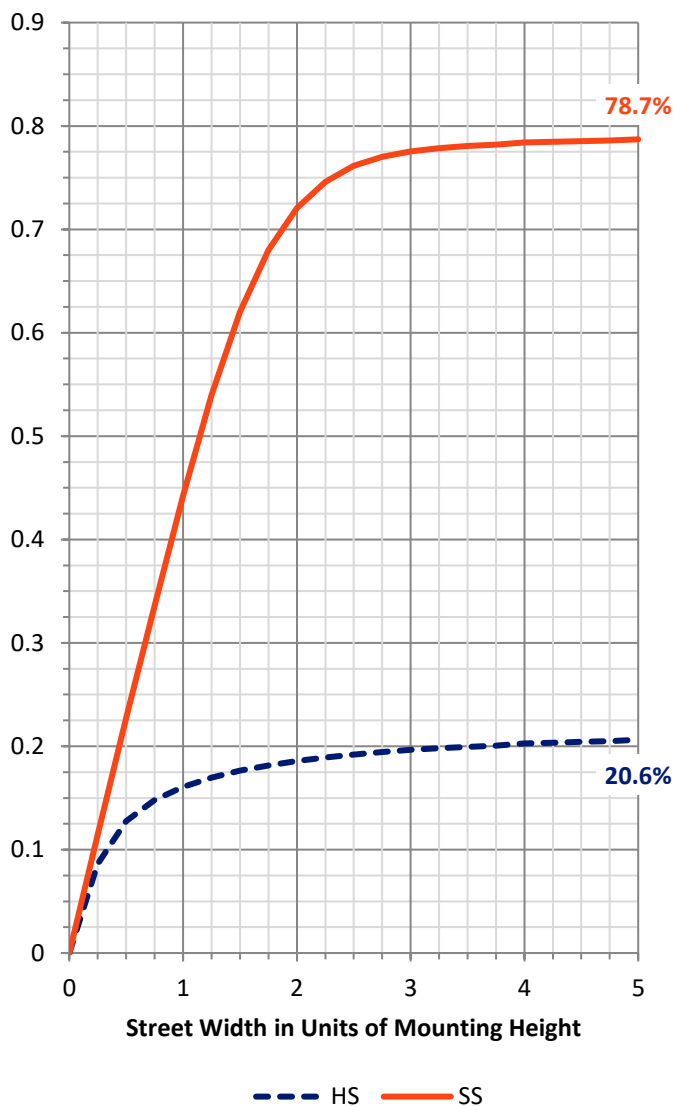
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3829.0 | 0.0 | 3829.0 |
| | % Fixture | 21.1 | 0.0 | 21.1 |
| Street Side | Lumens | 14350.0 | 0.0 | 14350.0 |
| | % Fixture | 78.9 | 0.0 | 78.9 |
| Total | Lumens | 18179.0 | 0.0 | 18179.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 118.9 | 0.7 |
| 10°-20° | 518.8 | 2.9 |
| 20°-30° | 995.5 | 5.5 |
| 30°-40° | 1643.5 | 9.0 |
| 40°-50° | 2731.8 | 15.0 |
| 50°-60° | 4511.5 | 24.8 |
| 60°-70° | 5061.0 | 27.8 |
| 70°-80° | 2301.2 | 12.7 |
| 80°-90° | 296.8 | 1.6 |
| 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° | 18179.0 | 100.0 |
| 0°-180° | 18179.0 | 100.0 |

Coefficient of Utilization



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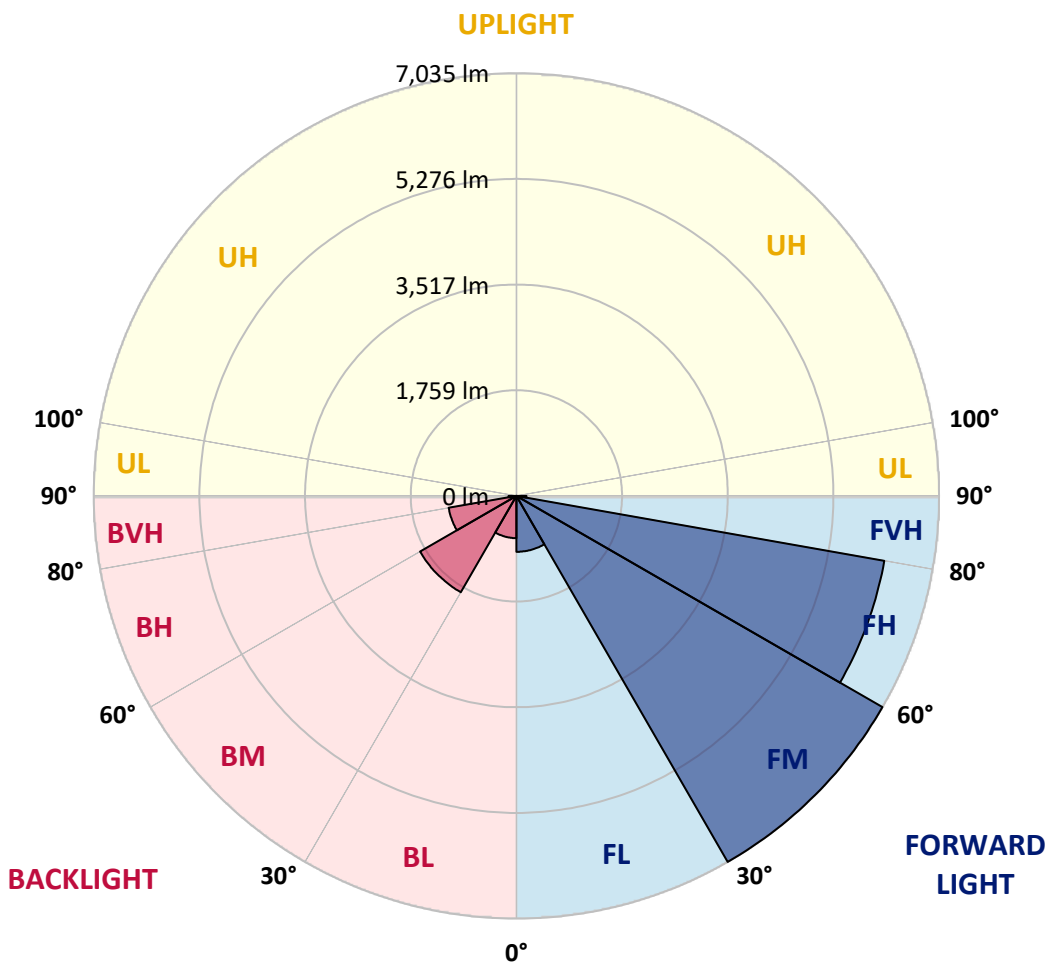
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 930.3 | 5.1 | | | |
| FM | (30°-60°) | 7035.0 | 38.7 | | | |
| FH | (60°-80°) | 6217.6 | 34.2 | | | G3/7500 |
| FVH | (80°-90°) | 167.1 | 0.9 | | | G2/225 |
| BL | (0°-30°) | 703.0 | 3.9 | B2/1000 | | |
| BM | (30°-60°) | 1851.8 | 10.2 | B2/2500 | | |
| BH | (60°-80°) | 1144.6 | 6.3 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 129.7 | 0.7 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 |
| 2.5° | 931.9 | 903.9 | 857.0 | 868.3 | 895.6 | 910.7 | 901.7 | 889.5 | 873.6 | 870.6 | 940.3 |
| 5° | 1206.7 | 1153.0 | 1131.0 | 1122.0 | 1088.6 | 1069.0 | 1103.0 | 1098.5 | 1116.7 | 1150.0 | 1218.1 |
| 7.5° | 1407.4 | 1369.5 | 1333.2 | 1329.4 | 1265.0 | 1242.3 | 1287.7 | 1312.0 | 1344.5 | 1345.3 | 1437.6 |
| 10° | 1514.9 | 1482.3 | 1481.6 | 1447.5 | 1442.2 | 1485.3 | 1486.1 | 1504.3 | 1508.1 | 1546.7 | 1528.5 |
| 12.5° | 1631.5 | 1629.2 | 1670.8 | 1670.1 | 1718.5 | 1789.7 | 1754.1 | 1754.1 | 1764.7 | 1717.8 | 1775.3 |
| 15° | 1909.3 | 1933.5 | 1855.5 | 1868.4 | 1868.4 | 1938.1 | 1935.8 | 1949.4 | 1982.0 | 1969.9 | 1944.1 |
| 17.5° | 2198.5 | 2213.6 | 2127.3 | 2047.1 | 2053.1 | 2038.0 | 2092.5 | 2097.8 | 2066.8 | 2207.6 | 2176.5 |
| 20° | 2384.7 | 2443.8 | 2262.1 | 2161.4 | 2181.1 | 2198.5 | 2200.8 | 2168.2 | 2152.3 | 2368.8 | 2326.4 |
| 22.5° | 2614.9 | 2564.9 | 2398.3 | 2287.1 | 2316.6 | 2293.1 | 2288.6 | 2313.6 | 2335.5 | 2417.3 | 2486.2 |
| 25° | 2768.5 | 2764.8 | 2564.9 | 2443.0 | 2410.5 | 2403.6 | 2449.8 | 2440.0 | 2492.2 | 2640.6 | 2597.5 |
| 27.5° | 2991.9 | 3061.5 | 2707.2 | 2737.5 | 2594.4 | 2443.8 | 2592.2 | 2636.8 | 2730.7 | 2706.5 | 2802.6 |
| 30° | 3424.9 | 3372.7 | 3002.5 | 2994.2 | 2832.1 | 2705.7 | 2808.7 | 2770.8 | 2939.6 | 2934.3 | 3005.5 |
| 32.5° | 3778.5 | 3814.8 | 3349.2 | 3262.1 | 3141.8 | 2989.6 | 2921.5 | 3026.7 | 3117.6 | 3266.7 | 3306.8 |
| 35° | 4152.4 | 4144.1 | 3704.3 | 3528.6 | 3329.5 | 3266.7 | 3350.7 | 3394.6 | 3587.7 | 3724.7 | 3629.3 |
| 37.5° | 4733.9 | 4668.0 | 4164.6 | 3832.2 | 3683.1 | 3660.4 | 3804.2 | 3740.6 | 3949.6 | 3982.1 | 4035.9 |
| 40° | 5274.4 | 5076.1 | 4585.5 | 4204.7 | 3967.7 | 4052.5 | 4057.1 | 4065.4 | 4177.4 | 4266.0 | 4531.7 |
| 42.5° | 5788.4 | 5649.1 | 5013.2 | 4727.0 | 4378.0 | 4295.5 | 4347.0 | 4364.4 | 4647.6 | 4828.5 | 5196.4 |
| 45° | 6491.0 | 6117.8 | 5627.9 | 5334.2 | 4943.6 | 4838.3 | 4802.0 | 4951.9 | 5225.2 | 5637.0 | 5952.7 |
| 47.5° | 7085.3 | 6748.4 | 6281.3 | 5894.4 | 5457.6 | 5758.2 | 5552.2 | 5468.2 | 5835.4 | 6345.6 | 6848.3 |
| 50° | 7578.1 | 7207.2 | 6749.1 | 6525.8 | 6456.2 | 6724.2 | 6189.7 | 6199.5 | 6535.7 | 7255.6 | 7831.7 |
| 52.5° | 7959.7 | 7563.7 | 7158.0 | 7044.4 | 7433.5 | 7588.0 | 7201.9 | 7143.6 | 7388.9 | 8239.8 | 8931.7 |
| 55° | 8316.2 | 7896.1 | 7582.7 | 7814.3 | 8469.9 | 8487.3 | 8460.1 | 8136.8 | 8432.1 | 9294.4 | 10070.3 |
| 57.5° | 8407.8 | 7955.1 | 7746.9 | 8079.3 | 8965.8 | 9655.5 | 9926.5 | 9292.1 | 9592.6 | 10253.5 | 11045.4 |
| 60° | 7936.2 | 7548.6 | 7465.3 | 7916.5 | 9233.8 | 10242.2 | 10950.0 | 10570.8 | 10458.0 | 11023.5 | 11728.3 |
| 62.5° | 6970.2 | 6520.5 | 6587.9 | 7214.7 | 8951.4 | 10474.6 | 11758.6 | 12054.6 | 11371.7 | 11635.9 | 12026.6 |
| 65° | 5547.7 | 5118.4 | 5254.7 | 6008.7 | 8064.9 | 10551.8 | 12171.9 | 12779.1 | 11701.8 | 11809.3 | 11604.1 |
| 67.5° | 3912.5 | 3522.6 | 3694.4 | 4669.5 | 6709.0 | 9563.1 | 12243.1 | 12441.4 | 11350.5 | 11314.9 | 10450.4 |
| 70° | 2216.7 | 1972.1 | 2158.4 | 2971.4 | 4735.4 | 7618.2 | 11685.1 | 11424.0 | 10720.7 | 10216.5 | 8744.0 |
| 72.5° | 1016.7 | 932.7 | 1022.0 | 1512.6 | 2726.2 | 5069.2 | 9539.6 | 9776.6 | 9237.6 | 8607.0 | 6652.2 |
| 75° | 540.5 | 511.0 | 548.9 | 755.5 | 1275.6 | 2758.0 | 6777.9 | 7310.9 | 7024.0 | 6528.1 | 4339.4 |
| 77.5° | 402.0 | 379.3 | 397.5 | 489.8 | 681.3 | 1078.8 | 3851.1 | 4523.4 | 4632.4 | 4175.9 | 2409.7 |
| 80° | 308.1 | 290.0 | 308.1 | 370.2 | 471.6 | 512.5 | 1646.6 | 2108.4 | 2401.4 | 1940.3 | 957.7 |
| 82.5° | 228.6 | 216.5 | 244.5 | 277.8 | 331.6 | 320.2 | 584.4 | 727.5 | 938.0 | 641.2 | 373.2 |
| 85° | 181.7 | 166.6 | 177.2 | 188.5 | 212.0 | 175.6 | 267.2 | 299.0 | 316.4 | 265.0 | 137.8 |
| 87.5° | 71.2 | 65.9 | 128.7 | 101.4 | 86.3 | 53.0 | 80.2 | 90.8 | 93.1 | 89.3 | 40.1 |
| 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° | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 | 780.5 |
| 2.5° | 947.8 | 940.3 | 895.6 | 910.0 | 933.4 | 938.0 | 947.8 | 920.6 | 907.0 | 956.9 | 959.2 |
| 5° | 1224.2 | 1183.3 | 1162.1 | 1164.4 | 1149.2 | 1125.7 | 1161.3 | 1184.8 | 1193.9 | 1231.0 | 1244.6 |
| 7.5° | 1438.4 | 1389.2 | 1353.6 | 1312.7 | 1255.2 | 1218.1 | 1280.2 | 1325.6 | 1349.8 | 1427.0 | 1457.3 |
| 10° | 1533.8 | 1494.4 | 1486.9 | 1435.4 | 1433.9 | 1433.1 | 1430.1 | 1414.2 | 1466.4 | 1458.8 | 1480.0 |
| 12.5° | 1730.6 | 1722.3 | 1650.4 | 1629.9 | 1632.2 | 1629.9 | 1566.3 | 1563.3 | 1564.1 | 1633.7 | 1608.7 |
| 15° | 1913.8 | 1915.3 | 1849.5 | 1775.3 | 1708.7 | 1688.2 | 1663.2 | 1651.9 | 1668.5 | 1707.9 | 1683.7 |
| 17.5° | 2140.2 | 2147.8 | 1959.3 | 1841.9 | 1754.1 | 1751.8 | 1692.0 | 1621.6 | 1723.1 | 1747.3 | 1720.8 |
| 20° | 2286.3 | 2254.5 | 2022.9 | 1826.0 | 1801.0 | 1732.9 | 1658.7 | 1561.8 | 1649.6 | 1708.7 | 1725.3 |
| 22.5° | 2424.8 | 2369.6 | 2081.9 | 1854.0 | 1734.4 | 1653.4 | 1581.5 | 1518.7 | 1546.7 | 1612.5 | 1601.9 |
| 25° | 2518.7 | 2503.6 | 2163.7 | 1921.4 | 1732.1 | 1552.0 | 1455.1 | 1414.9 | 1429.3 | 1531.5 | 1521.7 |
| 27.5° | 2742.8 | 2579.3 | 2149.3 | 1938.8 | 1659.5 | 1413.4 | 1365.0 | 1321.8 | 1307.4 | 1418.0 | 1448.2 |
| 30° | 2892.7 | 2825.3 | 2245.4 | 1911.6 | 1567.9 | 1299.9 | 1228.7 | 1219.6 | 1224.2 | 1349.8 | 1358.2 |
| 32.5° | 3147.1 | 2972.2 | 2402.9 | 1807.1 | 1434.6 | 1215.8 | 1134.1 | 1137.9 | 1158.3 | 1249.9 | 1268.8 |
| 35° | 3412.0 | 3307.6 | 2424.1 | 1732.1 | 1326.4 | 1126.5 | 1093.2 | 1066.7 | 1078.0 | 1158.3 | 1162.1 |
| 37.5° | 3904.1 | 3543.0 | 2554.3 | 1616.3 | 1246.9 | 1092.4 | 1028.8 | 1005.4 | 1011.4 | 1056.8 | 1089.4 |
| 40° | 4337.2 | 4016.2 | 2493.7 | 1504.3 | 1148.5 | 1047.0 | 967.5 | 950.1 | 931.9 | 976.6 | 997.0 |
| 42.5° | 5031.4 | 4353.8 | 2473.3 | 1380.9 | 1102.3 | 985.7 | 931.2 | 885.0 | 867.6 | 905.4 | 942.5 |
| 45° | 5725.6 | 4711.9 | 2362.0 | 1256.0 | 1037.2 | 981.1 | 878.2 | 834.3 | 838.8 | 872.9 | 910.7 |
| 47.5° | 6499.3 | 5192.6 | 2173.5 | 1134.8 | 966.0 | 959.2 | 825.2 | 806.3 | 819.9 | 857.7 | 895.6 |
| 50° | 7413.8 | 5702.9 | 2017.6 | 1025.8 | 915.3 | 893.3 | 818.4 | 795.7 | 808.5 | 853.2 | 890.3 |
| 52.5° | 8413.9 | 6262.4 | 1904.0 | 925.1 | 857.7 | 841.1 | 827.5 | 805.5 | 820.6 | 859.3 | 897.9 |
| 55° | 9407.9 | 6773.4 | 1826.8 | 856.2 | 808.5 | 819.1 | 846.4 | 830.5 | 838.1 | 866.8 | 905.4 |
| 57.5° | 10145.3 | 7042.9 | 1671.6 | 782.8 | 768.4 | 806.3 | 848.7 | 822.2 | 826.7 | 866.8 | 908.5 |
| 60° | 10573.8 | 7094.4 | 1416.4 | 723.0 | 736.6 | 780.5 | 825.2 | 791.1 | 788.1 | 854.0 | 906.2 |
| 62.5° | 10526.8 | 6795.3 | 1123.5 | 668.5 | 700.3 | 741.9 | 789.6 | 757.1 | 765.4 | 855.5 | 910.7 |
| 65° | 9854.6 | 6184.4 | 893.3 | 622.3 | 656.4 | 699.5 | 760.1 | 747.2 | 787.3 | 916.0 | 975.8 |
| 67.5° | 8673.6 | 5291.8 | 717.7 | 579.1 | 615.5 | 670.8 | 780.5 | 814.6 | 832.0 | 978.1 | 1039.4 |
| 70° | 7029.3 | 4111.6 | 598.1 | 541.3 | 582.9 | 684.4 | 839.6 | 832.8 | 818.4 | 948.6 | 997.0 |
| 72.5° | 5078.3 | 2818.5 | 526.2 | 504.2 | 542.8 | 643.5 | 841.1 | 804.7 | 786.6 | 866.1 | 900.9 |
| 75° | 3177.4 | 1681.4 | 459.5 | 457.3 | 481.5 | 576.9 | 803.2 | 770.7 | 721.5 | 760.8 | 806.3 |
| 77.5° | 1814.7 | 860.8 | 386.9 | 407.3 | 421.7 | 500.4 | 719.2 | 689.7 | 645.8 | 662.4 | 707.1 |
| 80° | 692.7 | 416.4 | 326.3 | 361.9 | 358.1 | 424.0 | 609.4 | 602.6 | 552.6 | 557.9 | 585.2 |
| 82.5° | 326.3 | 233.2 | 271.0 | 311.1 | 290.7 | 337.6 | 495.1 | 492.8 | 448.9 | 406.5 | 428.5 |
| 85° | 121.1 | 124.2 | 198.3 | 237.0 | 202.1 | 218.0 | 358.1 | 348.2 | 305.9 | 258.2 | 285.4 |
| 87.5° | 27.3 | 44.7 | 97.7 | 123.4 | 70.4 | 67.4 | 144.6 | 125.7 | 121.1 | 71.9 | 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 |

(END OF REPORT)