

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: P367463

Luminaire Tested: **PMM-SA2C-750-U-SL3-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-19)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2C-750-U-SL3-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10130 lumens
Efficiency: N/A
Efficacy: 89.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

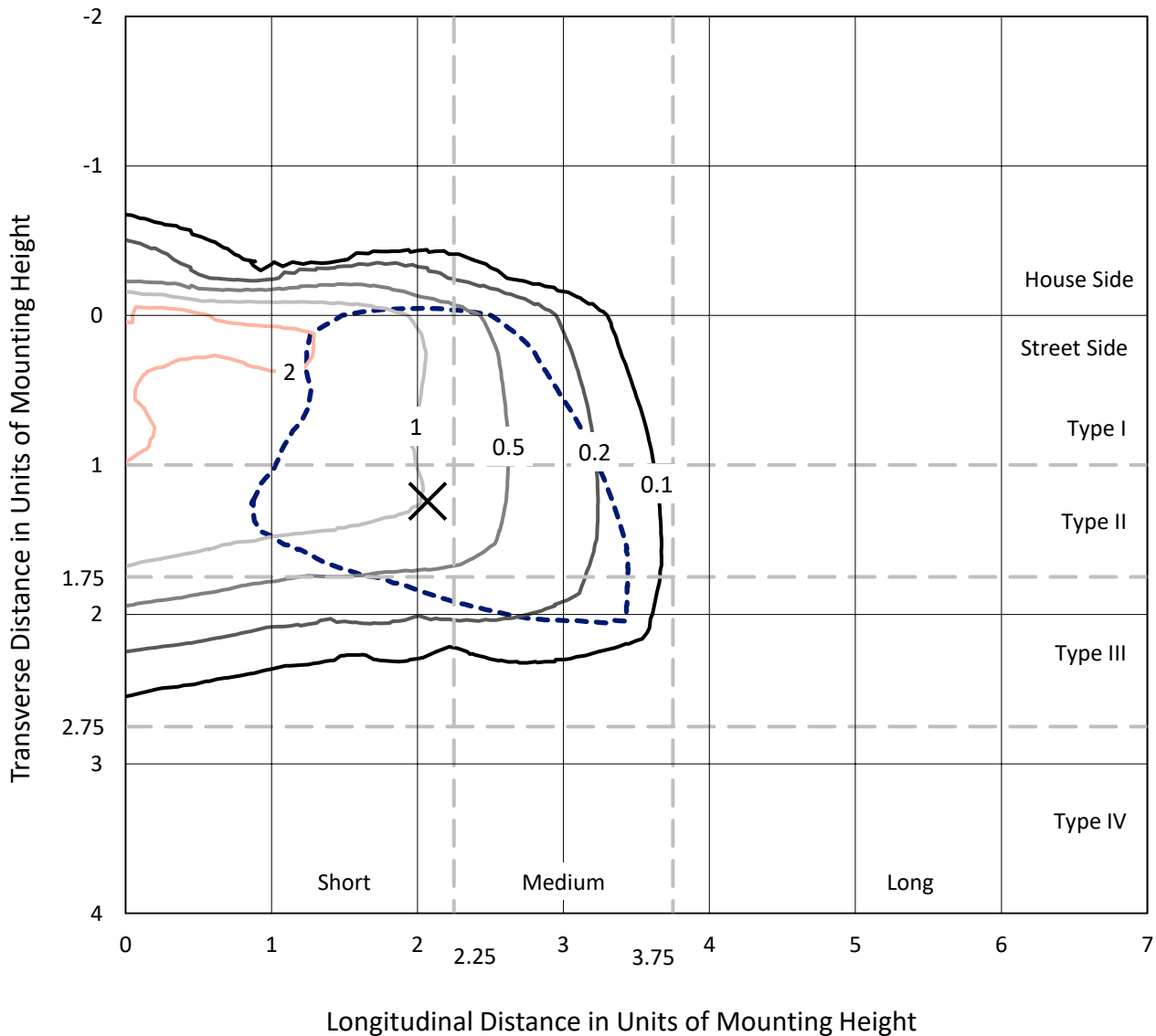
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

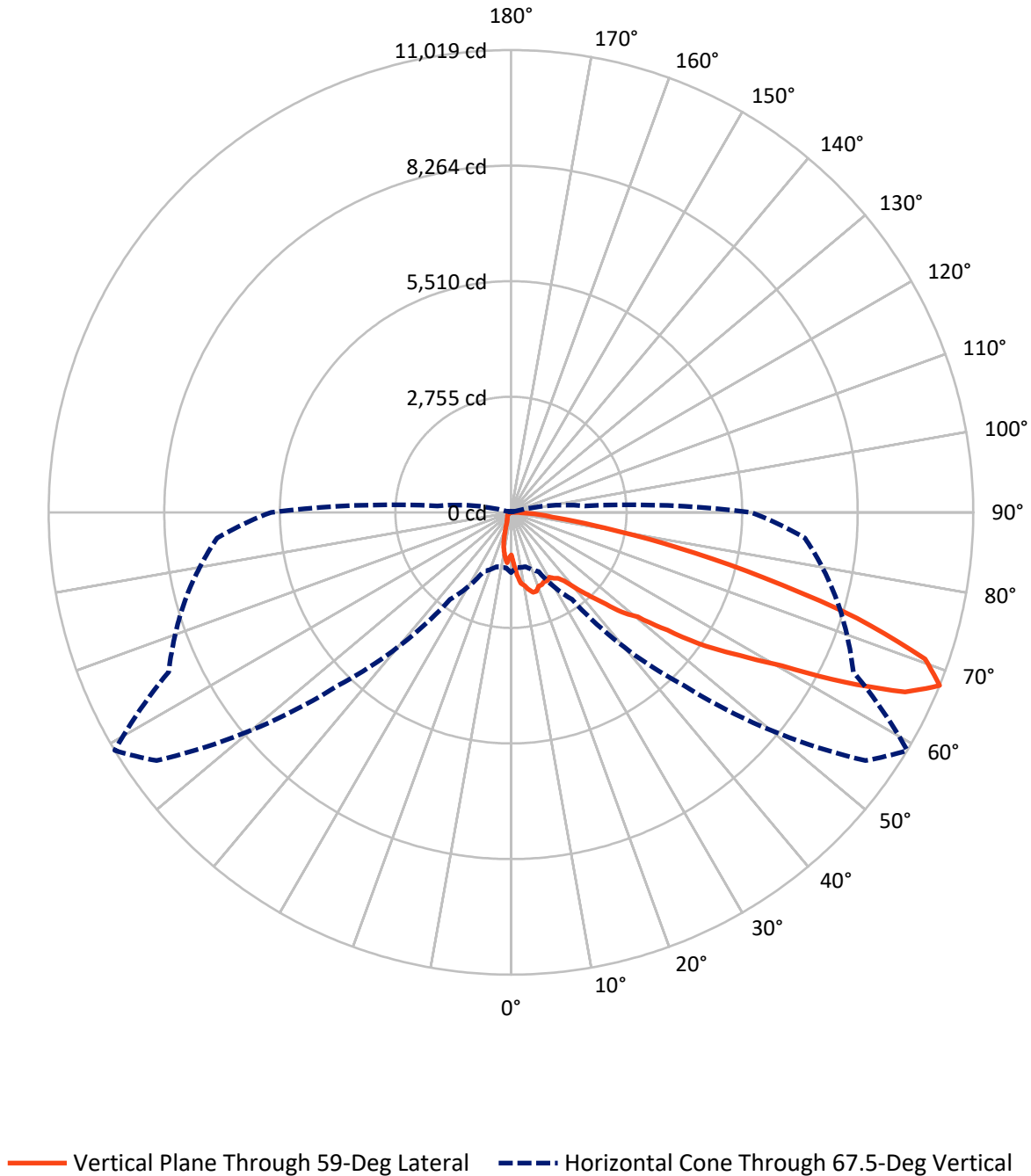
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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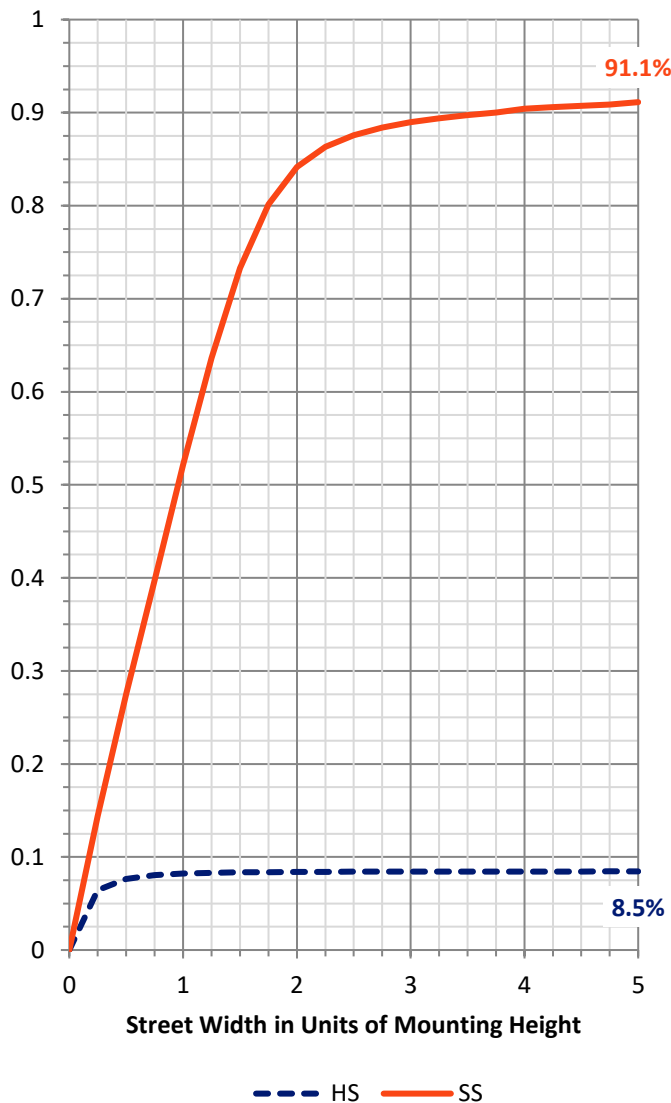
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 861.5 | 0.0 | 861.5 |
| | % Fixture | 8.5 | 0.0 | 8.5 |
| Street Side | Lumens | 9268.5 | 0.0 | 9268.5 |
| | % Fixture | 91.5 | 0.0 | 91.5 |
| Total | Lumens | 10130.0 | 0.0 | 10130.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 123.2 | 1.2 |
| 10°-20° | 347.0 | 3.4 |
| 20°-30° | 516.1 | 5.1 |
| 30°-40° | 796.3 | 7.9 |
| 40°-50° | 1421.1 | 14.0 |
| 50°-60° | 2528.9 | 25.0 |
| 60°-70° | 2945.3 | 29.1 |
| 70°-80° | 1309.8 | 12.9 |
| 80°-90° | 142.2 | 1.4 |
| 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° | 10130.0 | 100.0 |
| 0°-180° | 10130.0 | 100.0 |

Coefficient of Utilization



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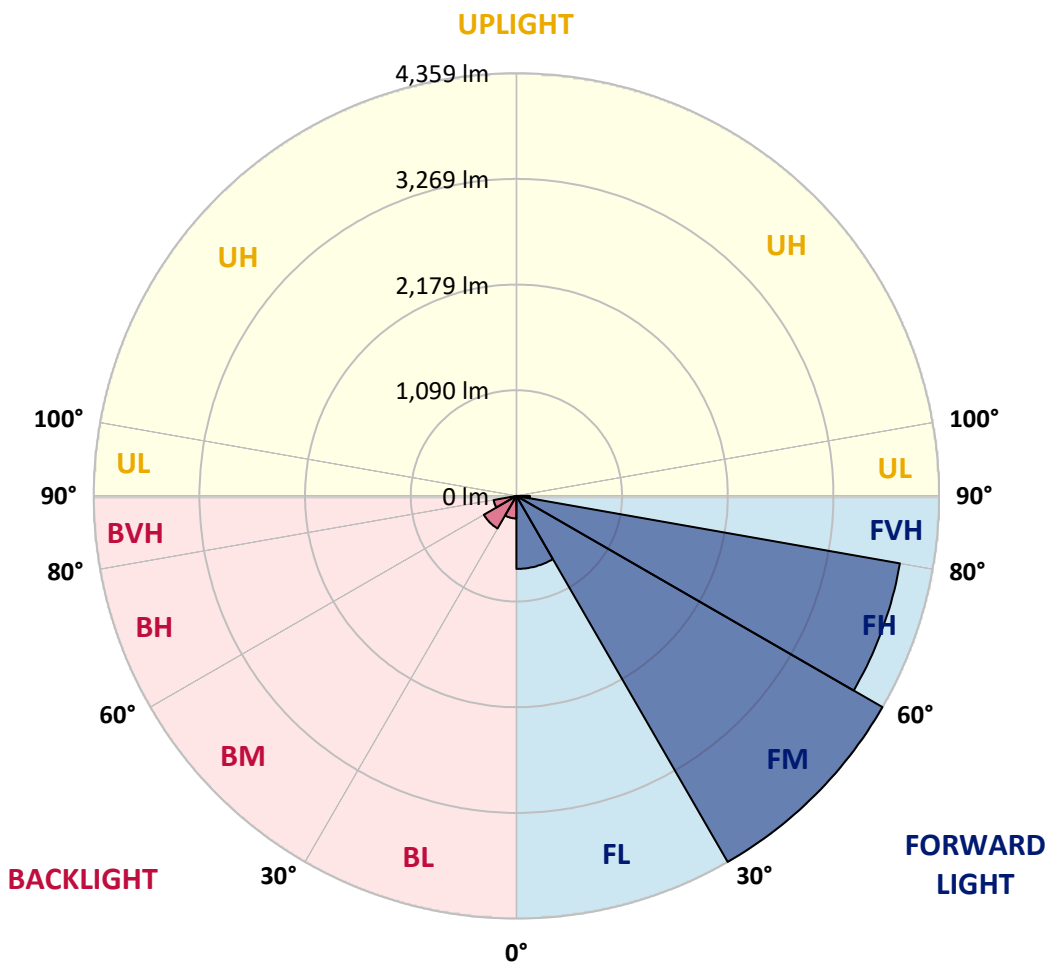
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 753.4 | 7.4 | | | |
| FM (30°-60°) | 4358.9 | 43.0 | | | |
| FH (60°-80°) | 4016.5 | 39.6 | | | G2/5000 |
| FVH (80°-90°) | 139.7 | 1.4 | | | G2/225 |
| BL (0°-30°) | 233.0 | 2.3 | B1/500 | | |
| BM (30°-60°) | 387.3 | 3.8 | B1/1000 | | |
| BH (60°-80°) | 238.6 | 2.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.5 | 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° | 59° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|--------|
| 0° | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 |
| 2.5° | 1321.3 | 1271.5 | 1200.8 | 1221.8 | 1240.8 | 1258.7 | 1229.0 | 1212.0 | 1203.8 | 1131.0 | 1222.3 |
| 5° | 1622.4 | 1560.3 | 1528.0 | 1519.8 | 1499.3 | 1453.6 | 1529.5 | 1495.7 | 1507.0 | 1521.3 | 1551.1 |
| 7.5° | 1714.2 | 1686.0 | 1639.3 | 1656.7 | 1578.8 | 1572.1 | 1677.3 | 1706.5 | 1745.0 | 1718.8 | 1754.7 |
| 10° | 1667.0 | 1618.3 | 1640.3 | 1634.2 | 1631.1 | 1699.8 | 1773.7 | 1775.2 | 1832.7 | 1860.4 | 1738.8 |
| 12.5° | 1573.7 | 1579.3 | 1658.3 | 1652.1 | 1754.7 | 1892.2 | 1909.1 | 1891.2 | 1985.0 | 1936.8 | 1918.3 |
| 15° | 1635.7 | 1681.9 | 1638.3 | 1653.2 | 1689.6 | 1861.4 | 1921.4 | 1976.8 | 2065.5 | 2094.3 | 1969.6 |
| 17.5° | 1710.6 | 1715.2 | 1635.7 | 1617.3 | 1709.1 | 1789.1 | 1930.6 | 1976.3 | 1985.0 | 2236.9 | 2085.0 |
| 20° | 1670.1 | 1709.6 | 1614.7 | 1498.3 | 1640.8 | 1749.6 | 1893.2 | 1878.8 | 1937.3 | 2278.9 | 2111.2 |
| 22.5° | 1777.8 | 1721.4 | 1599.8 | 1512.1 | 1560.3 | 1659.3 | 1780.9 | 1874.7 | 1962.4 | 2178.4 | 2145.1 |
| 25° | 1788.1 | 1767.5 | 1659.3 | 1581.3 | 1573.1 | 1598.3 | 1767.5 | 1828.1 | 1965.5 | 2268.7 | 2116.3 |
| 27.5° | 1903.5 | 1879.9 | 1658.3 | 1666.0 | 1589.0 | 1511.6 | 1702.9 | 1845.0 | 2021.4 | 2213.8 | 2177.4 |
| 30° | 2052.2 | 2054.3 | 1768.6 | 1792.7 | 1682.9 | 1558.3 | 1755.7 | 1794.7 | 2059.4 | 2301.5 | 2222.5 |
| 32.5° | 2203.0 | 2265.1 | 1986.6 | 1858.8 | 1824.5 | 1735.2 | 1690.1 | 1870.1 | 2017.8 | 2451.3 | 2335.3 |
| 35° | 2432.3 | 2474.3 | 2166.1 | 2051.7 | 1916.8 | 1815.2 | 1868.6 | 1933.2 | 2167.1 | 2649.8 | 2483.6 |
| 37.5° | 2820.6 | 2744.7 | 2488.2 | 2289.2 | 2256.9 | 2107.1 | 2133.8 | 2075.8 | 2319.4 | 2883.7 | 2777.0 |
| 40° | 3039.1 | 2970.3 | 2703.6 | 2606.7 | 2400.5 | 2423.6 | 2339.4 | 2373.3 | 2540.5 | 3127.3 | 3044.2 |
| 42.5° | 3266.8 | 3201.2 | 2967.3 | 2898.5 | 2702.1 | 2606.7 | 2568.7 | 2690.3 | 2879.6 | 3533.0 | 3427.4 |
| 45° | 3495.6 | 3328.9 | 3229.9 | 3264.3 | 3176.0 | 2987.3 | 2943.2 | 3051.4 | 3249.9 | 4031.6 | 3831.5 |
| 47.5° | 3688.4 | 3547.9 | 3473.5 | 3457.6 | 3423.3 | 3685.4 | 3505.8 | 3553.5 | 3641.3 | 4472.7 | 4335.2 |
| 50° | 4036.2 | 3897.7 | 3781.3 | 3749.0 | 3916.2 | 4288.0 | 4011.1 | 3918.7 | 4094.2 | 5005.6 | 4918.9 |
| 52.5° | 4538.4 | 4361.9 | 4176.7 | 4177.3 | 4492.7 | 4696.9 | 4828.2 | 4666.1 | 4698.9 | 5591.9 | 5553.4 |
| 55° | 4942.0 | 4717.9 | 4564.5 | 4685.6 | 5155.9 | 5270.3 | 5771.4 | 5629.3 | 5586.8 | 6135.6 | 6088.4 |
| 57.5° | 4997.4 | 4728.7 | 4655.8 | 4868.2 | 5511.9 | 6242.3 | 6781.4 | 6426.4 | 6361.3 | 6590.6 | 6684.4 |
| 60° | 4480.4 | 4195.2 | 4250.1 | 4591.7 | 5627.8 | 6834.7 | 7708.7 | 7418.9 | 7005.0 | 7123.5 | 7188.1 |
| 62.5° | 3341.7 | 3114.0 | 3267.8 | 3720.2 | 5181.1 | 7231.7 | 8782.3 | 8916.7 | 7751.8 | 7523.6 | 7509.7 |
| 65° | 2168.1 | 2025.5 | 2126.6 | 2497.4 | 3920.8 | 7186.6 | 9741.5 | 10324.1 | 8340.2 | 7849.8 | 7610.8 |
| 67.5° | 1434.1 | 1325.9 | 1340.3 | 1559.8 | 2535.4 | 5844.8 | 10314.9 | 11019.2 | 9001.8 | 8035.0 | 7031.7 |
| 70° | 1068.9 | 983.8 | 988.9 | 1107.9 | 1504.9 | 3854.6 | 9515.3 | 10470.8 | 9243.4 | 7393.3 | 5675.5 |
| 72.5° | 770.9 | 714.0 | 761.7 | 894.0 | 1199.2 | 2038.4 | 7092.2 | 8623.3 | 8060.1 | 5831.4 | 3823.9 |
| 75° | 534.0 | 496.5 | 574.5 | 747.8 | 1094.6 | 1265.4 | 4686.6 | 6207.4 | 5649.4 | 3658.7 | 1728.6 |
| 77.5° | 296.0 | 284.7 | 397.0 | 609.4 | 993.5 | 1037.1 | 2870.8 | 4078.8 | 3133.5 | 1311.5 | 411.4 |
| 80° | 129.3 | 125.2 | 192.3 | 457.5 | 835.0 | 937.1 | 1616.2 | 2261.5 | 1232.6 | 233.9 | 132.8 |
| 82.5° | 55.4 | 53.3 | 82.1 | 275.4 | 606.8 | 783.7 | 996.6 | 1088.4 | 424.2 | 72.3 | 75.4 |
| 85° | 9.7 | 10.8 | 32.8 | 145.2 | 369.3 | 398.0 | 721.7 | 644.2 | 213.4 | 34.4 | 53.9 |
| 87.5° | 0.0 | 0.0 | 5.1 | 28.2 | 69.2 | 113.9 | 312.9 | 225.7 | 40.5 | 11.3 | 9.2 |
| 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° | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 | 1013.5 |
| 2.5° | 1235.1 | 1206.4 | 1097.1 | 1083.3 | 1068.4 | 1046.4 | 1038.2 | 991.0 | 984.8 | 1045.3 | 1045.3 |
| 5° | 1537.2 | 1434.7 | 1330.5 | 1248.5 | 1175.1 | 1073.6 | 1044.8 | 1015.1 | 991.0 | 984.8 | 1003.8 |
| 7.5° | 1696.8 | 1571.6 | 1408.0 | 1199.2 | 1030.0 | 882.7 | 821.2 | 778.1 | 729.9 | 744.3 | 751.9 |
| 10° | 1688.0 | 1555.2 | 1346.4 | 1078.2 | 890.4 | 727.8 | 571.4 | 480.1 | 429.3 | 404.2 | 401.1 |
| 12.5° | 1773.7 | 1648.5 | 1304.9 | 981.7 | 742.2 | 517.5 | 359.6 | 294.4 | 257.0 | 257.5 | 254.4 |
| 15° | 1823.4 | 1687.0 | 1256.7 | 859.7 | 522.7 | 332.9 | 249.3 | 234.9 | 229.8 | 235.4 | 232.4 |
| 17.5° | 1911.2 | 1727.5 | 1147.4 | 677.6 | 359.6 | 251.3 | 229.3 | 223.6 | 230.3 | 242.1 | 239.0 |
| 20° | 1904.5 | 1657.3 | 992.0 | 477.5 | 265.7 | 226.2 | 217.0 | 208.2 | 222.1 | 234.4 | 232.4 |
| 22.5° | 1898.3 | 1588.5 | 845.8 | 352.4 | 222.1 | 206.2 | 198.5 | 194.9 | 202.1 | 216.5 | 219.5 |
| 25° | 1844.0 | 1554.7 | 697.6 | 264.7 | 201.1 | 187.2 | 183.6 | 180.5 | 183.1 | 194.9 | 194.4 |
| 27.5° | 1910.6 | 1469.0 | 538.6 | 222.1 | 186.2 | 169.8 | 166.7 | 161.6 | 156.4 | 166.7 | 168.2 |
| 30° | 1896.8 | 1480.8 | 422.1 | 195.4 | 171.3 | 149.3 | 150.3 | 139.5 | 130.3 | 139.5 | 139.5 |
| 32.5° | 1947.1 | 1394.6 | 338.0 | 177.5 | 156.4 | 140.5 | 127.7 | 116.4 | 109.8 | 115.4 | 116.4 |
| 35° | 2020.4 | 1398.2 | 264.7 | 166.2 | 143.6 | 125.2 | 109.8 | 98.5 | 92.3 | 94.9 | 96.4 |
| 37.5° | 2266.1 | 1373.6 | 221.1 | 157.5 | 139.0 | 115.9 | 100.0 | 85.1 | 81.0 | 84.1 | 85.7 |
| 40° | 2426.1 | 1439.3 | 194.9 | 152.9 | 127.2 | 106.7 | 85.7 | 74.9 | 71.3 | 72.8 | 75.4 |
| 42.5° | 2727.7 | 1475.7 | 182.1 | 147.7 | 116.4 | 91.3 | 73.3 | 67.2 | 62.1 | 64.1 | 66.2 |
| 45° | 3050.4 | 1537.7 | 172.3 | 142.1 | 108.2 | 80.0 | 64.6 | 59.5 | 52.8 | 53.3 | 55.4 |
| 47.5° | 3446.9 | 1685.5 | 161.1 | 132.3 | 96.9 | 72.8 | 57.4 | 49.8 | 43.6 | 43.1 | 45.7 |
| 50° | 3979.3 | 1882.9 | 150.8 | 120.0 | 89.8 | 66.7 | 50.3 | 40.5 | 35.4 | 33.9 | 35.9 |
| 52.5° | 4547.6 | 2138.4 | 140.0 | 111.3 | 81.0 | 58.5 | 43.1 | 32.8 | 28.2 | 27.2 | 28.7 |
| 55° | 5110.8 | 2383.6 | 129.8 | 105.7 | 71.8 | 50.3 | 36.4 | 27.2 | 23.1 | 22.1 | 23.1 |
| 57.5° | 5752.4 | 2648.7 | 116.4 | 94.4 | 63.1 | 43.6 | 30.3 | 22.6 | 19.0 | 18.0 | 18.5 |
| 60° | 6235.6 | 2742.1 | 105.1 | 82.1 | 54.9 | 38.5 | 25.6 | 18.0 | 15.4 | 14.4 | 14.9 |
| 62.5° | 6464.9 | 2589.8 | 94.4 | 71.3 | 48.2 | 33.3 | 21.5 | 14.9 | 12.8 | 11.8 | 11.8 |
| 65° | 6405.4 | 2252.3 | 83.6 | 61.0 | 41.5 | 27.7 | 16.9 | 12.8 | 11.3 | 9.7 | 9.2 |
| 67.5° | 5718.1 | 1762.4 | 71.3 | 51.3 | 34.9 | 22.6 | 14.4 | 12.3 | 10.3 | 9.2 | 7.7 |
| 70° | 4534.8 | 1276.2 | 58.0 | 42.6 | 29.2 | 18.5 | 11.3 | 11.3 | 9.7 | 9.2 | 7.2 |
| 72.5° | 2972.4 | 803.2 | 47.2 | 34.4 | 24.1 | 14.4 | 8.7 | 10.3 | 9.2 | 9.2 | 6.7 |
| 75° | 1288.0 | 287.2 | 38.0 | 27.7 | 20.0 | 9.7 | 7.7 | 9.2 | 9.7 | 9.2 | 7.7 |
| 77.5° | 301.6 | 89.2 | 29.7 | 22.1 | 16.4 | 6.7 | 7.7 | 9.2 | 9.7 | 8.7 | 6.7 |
| 80° | 113.4 | 38.0 | 19.5 | 14.4 | 12.8 | 4.1 | 6.7 | 5.6 | 5.1 | 3.6 | 1.0 |
| 82.5° | 68.7 | 15.9 | 10.3 | 7.2 | 6.2 | 1.0 | 3.1 | 2.1 | 1.0 | 1.0 | 0.0 |
| 85° | 48.7 | 7.7 | 5.6 | 5.1 | 3.1 | 0.0 | 0.5 | 0.0 | 0.0 | 0.5 | 0.0 |
| 87.5° | 6.7 | 2.1 | 2.6 | 2.6 | 2.1 | 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)