

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: P367477

Luminaire Tested: **PMM-SA2C-750-U-T4W-HSS**

Issue Date: 12/2/2019

Test Information

Test Method: LM-79-08
Report Number: P367477
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-15)
Test Lab: INNOVATION CENTER
Issue Date: 12/2/2019
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA2C-750-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9300 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

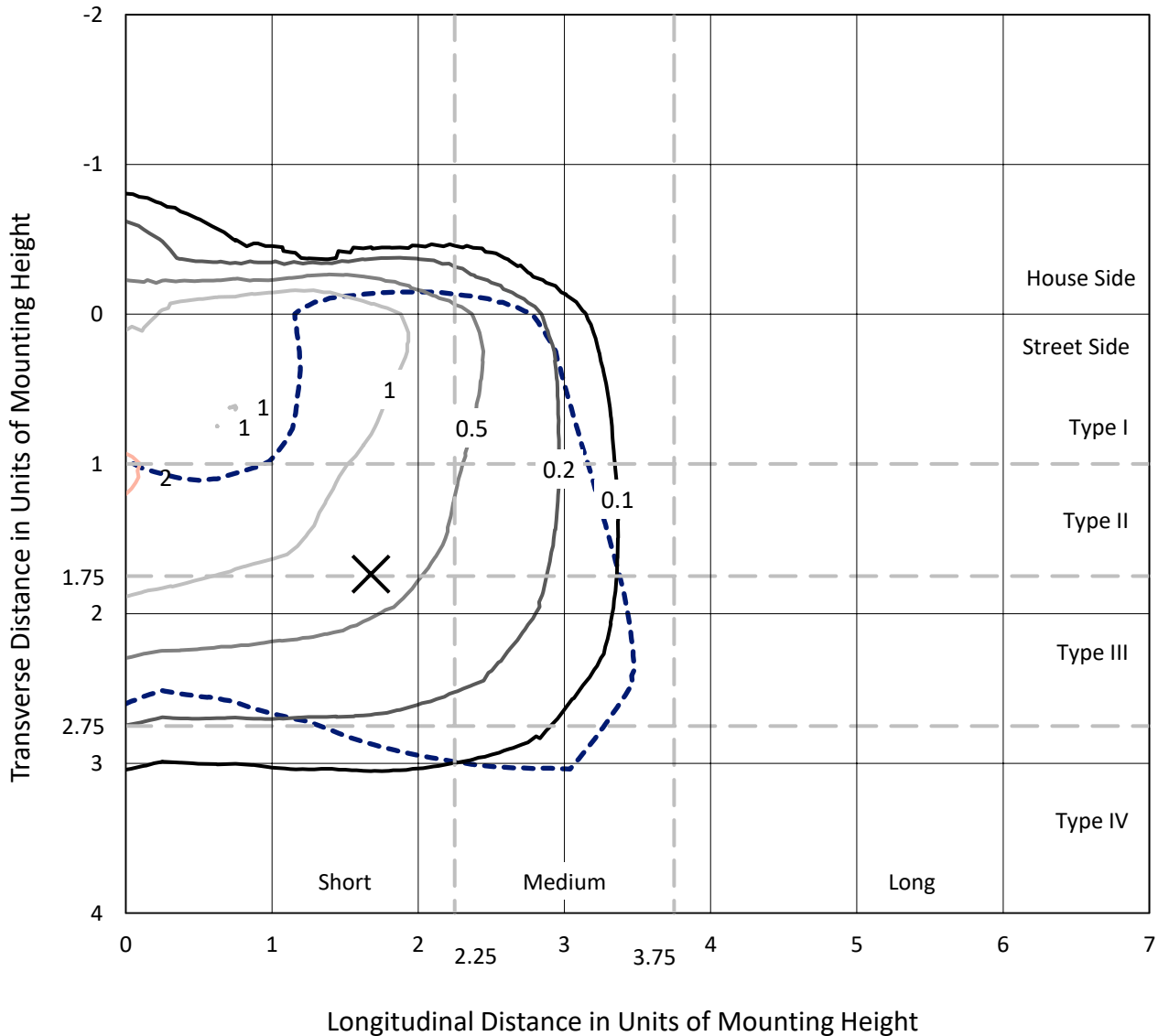
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

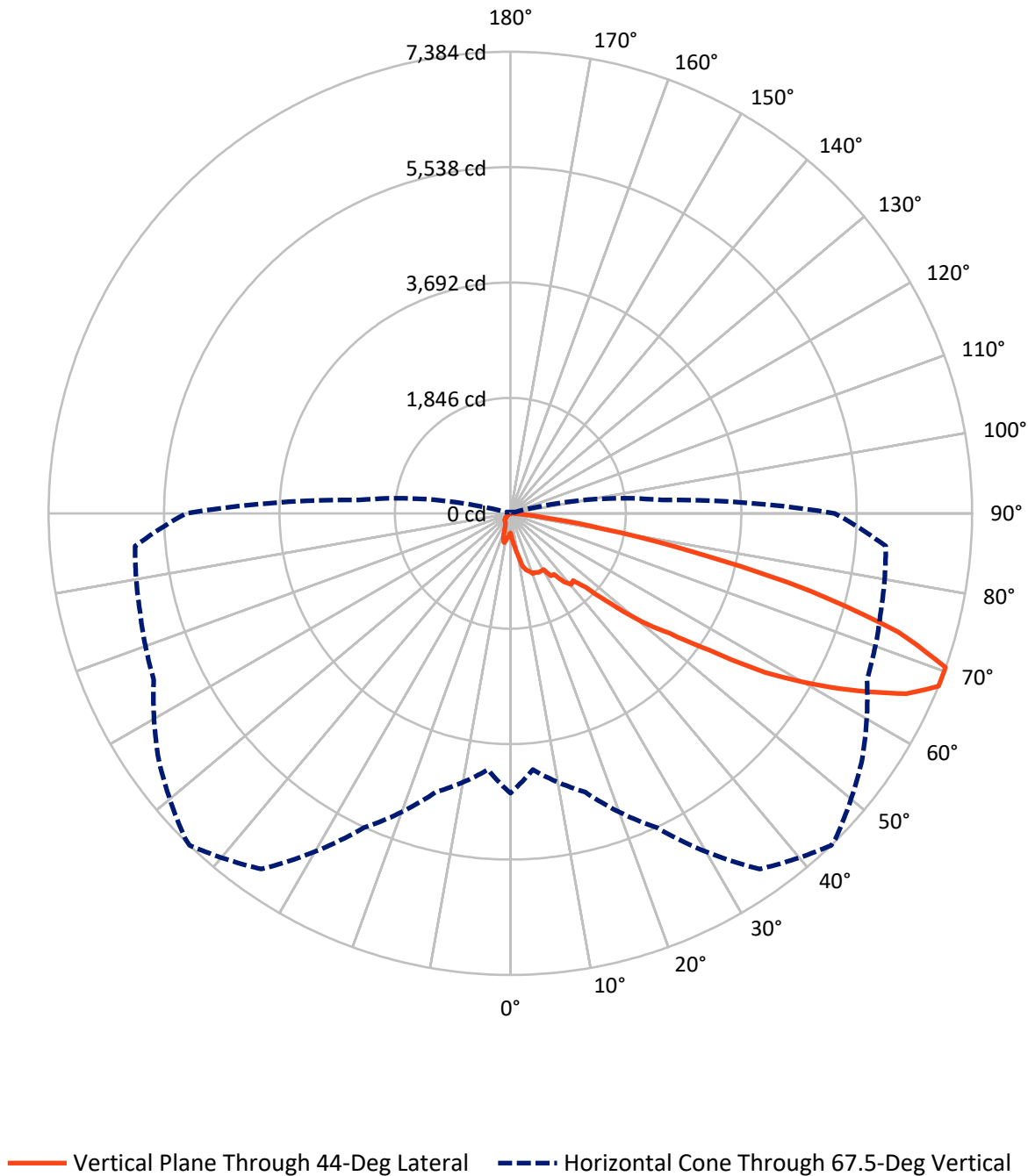
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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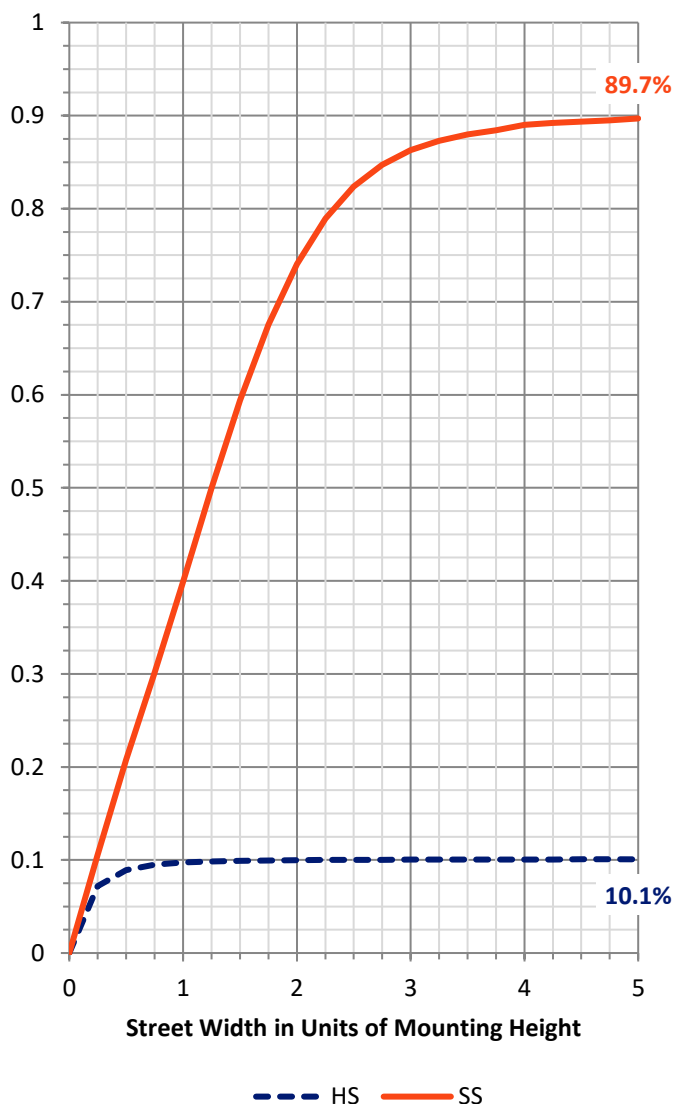
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 944.7 | 0.0 | 944.7 |
| | % Fixture | 10.2 | 0.0 | 10.2 |
| Street Side | Lumens | 8355.3 | 0.0 | 8355.3 |
| | % Fixture | 89.8 | 0.0 | 89.8 |
| Total | Lumens | 9300.0 | 0.0 | 9300.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 46.4 | 0.5 |
| 10°-20° | 194.4 | 2.1 |
| 20°-30° | 344.4 | 3.7 |
| 30°-40° | 559.8 | 6.0 |
| 40°-50° | 1120.3 | 12.0 |
| 50°-60° | 2298.3 | 24.7 |
| 60°-70° | 3157.2 | 33.9 |
| 70°-80° | 1483.9 | 16.0 |
| 80°-90° | 95.0 | 1.0 |
| 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° | 9300.0 | 100.0 |
| 0°-180° | 9300.0 | 100.0 |

Coefficient of Utilization



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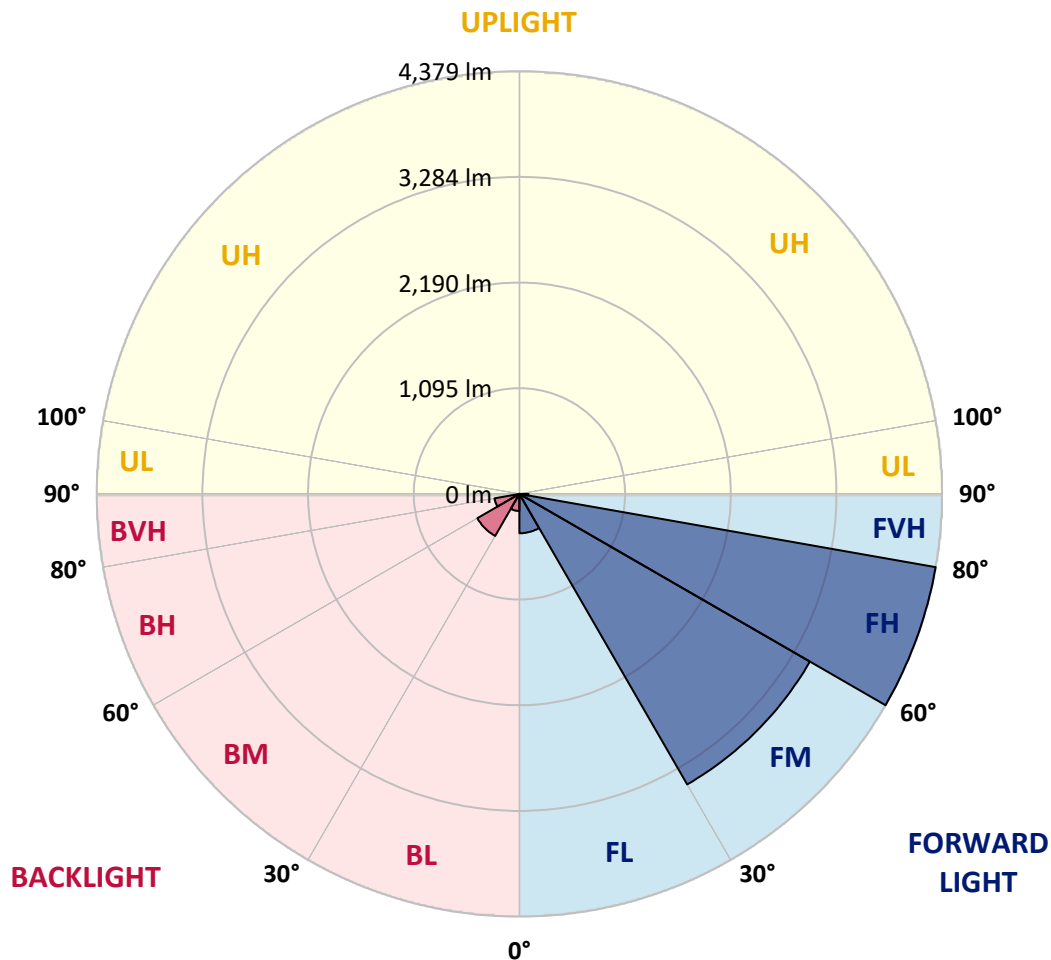
CATALOG NUMBER: PMM-SA2C-750-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 407.9 | 4.4 | | | |
| FM (30°-60°) | 3475.3 | 37.4 | | | |
| FH (60°-80°) | 4379.0 | 47.1 | | | G2/5000 |
| FVH (80°-90°) | 93.1 | 1.0 | | | G1/100 |
| BL (0°-30°) | 177.4 | 1.9 | B1/500 | | |
| BM (30°-60°) | 503.2 | 5.4 | B1/1000 | | |
| BH (60°-80°) | 262.2 | 2.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.9 | 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 IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 44° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 |
| 2.5° | 398.5 | 385.6 | 367.2 | 371.3 | 373.3 | 379.0 | 379.5 | 372.3 | 351.8 | 346.2 | 371.3 |
| 5° | 558.5 | 527.2 | 521.5 | 509.7 | 486.2 | 473.3 | 470.3 | 483.1 | 466.7 | 461.5 | 468.2 |
| 7.5° | 713.3 | 686.7 | 657.4 | 641.5 | 592.3 | 562.1 | 560.5 | 565.6 | 568.7 | 550.8 | 560.0 |
| 10° | 816.4 | 787.2 | 781.0 | 743.6 | 701.0 | 693.9 | 690.8 | 671.3 | 655.4 | 642.1 | 597.4 |
| 12.5° | 909.7 | 909.2 | 920.5 | 866.7 | 860.0 | 867.2 | 864.6 | 794.9 | 779.0 | 723.1 | 710.3 |
| 15° | 1033.9 | 1064.6 | 1015.9 | 970.8 | 913.3 | 938.0 | 931.3 | 886.7 | 875.9 | 838.0 | 783.1 |
| 17.5° | 1162.6 | 1170.8 | 1089.2 | 1020.0 | 1005.1 | 972.8 | 979.5 | 963.6 | 909.2 | 939.5 | 885.1 |
| 20° | 1165.6 | 1183.6 | 1096.4 | 982.1 | 1027.7 | 1026.2 | 1026.7 | 1011.3 | 939.5 | 1010.3 | 960.5 |
| 22.5° | 1208.7 | 1164.6 | 1083.6 | 1010.8 | 1019.0 | 1026.7 | 1034.9 | 1015.9 | 1000.5 | 1018.0 | 1027.2 |
| 25° | 1191.3 | 1173.9 | 1095.9 | 1047.7 | 1040.0 | 1046.2 | 1048.2 | 1072.3 | 1062.6 | 1104.6 | 1081.5 |
| 27.5° | 1236.4 | 1211.3 | 1071.8 | 1080.5 | 1053.3 | 1046.2 | 1033.9 | 1114.4 | 1143.1 | 1109.8 | 1171.3 |
| 30° | 1313.9 | 1310.3 | 1113.3 | 1126.2 | 1105.1 | 1042.1 | 1074.9 | 1180.0 | 1215.9 | 1195.4 | 1270.3 |
| 32.5° | 1434.9 | 1447.2 | 1234.9 | 1151.8 | 1162.6 | 1190.8 | 1178.5 | 1180.0 | 1270.8 | 1316.4 | 1375.9 |
| 35° | 1606.7 | 1600.0 | 1353.3 | 1249.2 | 1192.8 | 1197.4 | 1214.9 | 1298.5 | 1415.9 | 1412.8 | 1475.9 |
| 37.5° | 1944.1 | 1871.3 | 1563.1 | 1348.7 | 1365.6 | 1388.7 | 1375.9 | 1488.2 | 1499.5 | 1503.6 | 1654.4 |
| 40° | 2441.6 | 2344.6 | 1893.9 | 1558.5 | 1395.4 | 1497.4 | 1491.3 | 1519.0 | 1594.4 | 1622.6 | 1842.6 |
| 42.5° | 3096.9 | 2966.7 | 2475.9 | 1944.1 | 1539.0 | 1468.7 | 1506.7 | 1559.0 | 1812.3 | 1892.8 | 2133.9 |
| 45° | 3821.0 | 3557.5 | 3056.4 | 2493.9 | 1899.0 | 1681.0 | 1709.8 | 1807.2 | 2158.5 | 2291.8 | 2558.0 |
| 47.5° | 4290.3 | 4058.5 | 3631.3 | 2981.0 | 2274.4 | 2160.0 | 2162.6 | 2183.6 | 2565.1 | 2812.3 | 3169.3 |
| 50° | 4698.0 | 4451.3 | 4054.9 | 3490.3 | 2938.5 | 2722.1 | 2672.8 | 2575.9 | 3083.1 | 3421.0 | 3816.9 |
| 52.5° | 5273.4 | 4985.2 | 4478.5 | 4087.7 | 3695.9 | 3186.2 | 3168.7 | 3201.6 | 3693.9 | 4049.3 | 4481.1 |
| 55° | 5792.3 | 5442.1 | 4958.5 | 4712.3 | 4559.5 | 3868.2 | 3883.1 | 3938.0 | 4478.0 | 4666.2 | 5071.8 |
| 57.5° | 6021.6 | 5642.1 | 5393.4 | 5282.6 | 5201.1 | 4800.0 | 4749.8 | 4717.0 | 5096.4 | 5168.2 | 5690.8 |
| 60° | 6171.8 | 5810.8 | 5698.0 | 5723.6 | 5970.8 | 5545.2 | 5499.5 | 5308.8 | 5608.2 | 5667.2 | 6245.7 |
| 62.5° | 6077.0 | 5747.7 | 5771.8 | 5985.7 | 6534.4 | 6254.4 | 6122.6 | 5803.6 | 6026.7 | 6074.4 | 6644.1 |
| 65° | 5479.5 | 5136.4 | 5446.2 | 5963.6 | 6964.1 | 6957.5 | 6896.5 | 6260.6 | 6258.5 | 6319.5 | 6674.9 |
| 67.5° | 4475.9 | 4115.9 | 4617.0 | 5550.3 | 6946.2 | 7383.6 | 7354.9 | 6866.7 | 6291.8 | 6128.8 | 6023.6 |
| 70° | 3111.8 | 2799.5 | 3367.7 | 4583.6 | 6327.2 | 7380.6 | 7334.4 | 7273.9 | 6028.2 | 5275.4 | 4670.3 |
| 72.5° | 1616.9 | 1445.1 | 1974.4 | 3158.5 | 5043.6 | 6484.7 | 6637.0 | 6537.5 | 5147.2 | 3832.8 | 2750.3 |
| 75° | 549.2 | 492.8 | 814.4 | 1676.4 | 3352.8 | 4951.8 | 5130.3 | 5029.3 | 3495.9 | 2056.4 | 1087.7 |
| 77.5° | 212.8 | 197.9 | 291.8 | 680.5 | 1682.1 | 3017.5 | 3211.3 | 3108.2 | 1874.9 | 753.3 | 255.9 |
| 80° | 121.0 | 116.9 | 161.0 | 306.7 | 741.5 | 1501.0 | 1637.4 | 1485.1 | 675.9 | 253.8 | 66.7 |
| 82.5° | 51.3 | 52.8 | 89.7 | 165.6 | 372.8 | 529.7 | 590.8 | 539.0 | 283.1 | 173.8 | 24.6 |
| 85° | 11.3 | 13.8 | 42.6 | 92.3 | 156.4 | 151.3 | 158.5 | 175.9 | 173.8 | 127.7 | 10.8 |
| 87.5° | 0.0 | 0.0 | 13.3 | 25.1 | 37.4 | 24.6 | 19.5 | 34.4 | 53.3 | 51.3 | 4.6 |
| 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° | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 | 313.3 |
| 2.5° | 375.9 | 370.8 | 338.5 | 336.4 | 338.5 | 332.8 | 332.3 | 320.5 | 321.5 | 348.2 | 350.3 |
| 5° | 468.2 | 442.6 | 414.9 | 406.2 | 398.0 | 379.5 | 389.7 | 389.7 | 389.7 | 406.7 | 411.8 |
| 7.5° | 551.8 | 517.4 | 478.5 | 445.6 | 413.8 | 390.8 | 406.7 | 418.0 | 424.6 | 446.7 | 456.9 |
| 10° | 589.7 | 555.9 | 521.0 | 474.4 | 449.7 | 441.0 | 422.6 | 412.8 | 424.6 | 420.0 | 425.6 |
| 12.5° | 670.8 | 640.0 | 580.0 | 531.8 | 513.3 | 483.6 | 429.2 | 391.3 | 366.2 | 362.1 | 361.0 |
| 15° | 749.7 | 730.8 | 650.3 | 585.6 | 521.5 | 452.8 | 360.0 | 309.7 | 283.1 | 278.5 | 279.0 |
| 17.5° | 849.7 | 822.6 | 704.1 | 611.3 | 502.6 | 379.0 | 278.0 | 234.9 | 232.8 | 244.1 | 245.1 |
| 20° | 916.4 | 871.8 | 731.3 | 590.3 | 440.0 | 286.7 | 217.4 | 207.2 | 223.6 | 244.1 | 242.1 |
| 22.5° | 980.0 | 931.8 | 767.2 | 571.8 | 341.0 | 217.4 | 200.0 | 201.0 | 214.9 | 236.9 | 242.6 |
| 25° | 1022.1 | 1004.6 | 811.3 | 528.7 | 260.0 | 188.2 | 191.3 | 199.0 | 210.8 | 231.8 | 231.8 |
| 27.5° | 1148.7 | 1067.2 | 806.2 | 445.1 | 200.0 | 175.4 | 182.6 | 192.3 | 198.5 | 223.6 | 226.2 |
| 30° | 1225.6 | 1199.0 | 832.8 | 360.0 | 175.4 | 159.0 | 172.8 | 181.5 | 185.6 | 214.4 | 215.4 |
| 32.5° | 1320.0 | 1261.0 | 865.1 | 265.6 | 163.1 | 157.9 | 154.9 | 161.5 | 173.3 | 198.5 | 200.0 |
| 35° | 1434.9 | 1417.4 | 819.0 | 208.7 | 159.0 | 147.7 | 141.5 | 145.1 | 152.8 | 169.7 | 173.3 |
| 37.5° | 1669.2 | 1565.7 | 791.3 | 179.0 | 159.0 | 144.1 | 137.4 | 128.2 | 129.2 | 141.0 | 147.7 |
| 40° | 1866.7 | 1834.9 | 713.9 | 173.8 | 151.8 | 139.0 | 122.6 | 111.3 | 103.6 | 107.2 | 109.7 |
| 42.5° | 2229.2 | 2082.1 | 613.9 | 171.3 | 145.1 | 125.6 | 104.1 | 92.3 | 80.5 | 81.5 | 85.6 |
| 45° | 2669.2 | 2351.8 | 524.6 | 168.7 | 140.5 | 112.3 | 87.7 | 73.8 | 61.5 | 62.1 | 66.2 |
| 47.5° | 3256.9 | 2745.1 | 416.4 | 161.0 | 132.3 | 100.0 | 70.8 | 56.4 | 49.2 | 50.8 | 54.4 |
| 50° | 3924.6 | 3090.3 | 329.2 | 149.2 | 122.6 | 88.2 | 57.4 | 45.6 | 43.1 | 44.6 | 48.7 |
| 52.5° | 4521.1 | 3344.6 | 271.8 | 138.5 | 108.7 | 71.8 | 48.2 | 40.5 | 39.5 | 40.5 | 43.6 |
| 55° | 5051.3 | 3492.3 | 227.2 | 126.2 | 93.3 | 57.9 | 43.6 | 37.4 | 36.9 | 36.4 | 38.5 |
| 57.5° | 5548.8 | 3534.9 | 177.4 | 106.7 | 75.9 | 50.3 | 40.5 | 34.9 | 33.8 | 32.3 | 33.8 |
| 60° | 5911.3 | 3462.1 | 130.3 | 85.6 | 62.1 | 45.6 | 37.9 | 31.3 | 29.7 | 27.2 | 28.2 |
| 62.5° | 6086.2 | 3262.6 | 98.5 | 68.7 | 52.8 | 41.5 | 33.8 | 27.2 | 25.1 | 22.1 | 22.6 |
| 65° | 5920.0 | 2933.9 | 77.4 | 57.9 | 45.1 | 34.9 | 28.7 | 23.1 | 20.5 | 17.4 | 17.4 |
| 67.5° | 5184.1 | 2433.9 | 65.6 | 50.3 | 37.9 | 29.7 | 23.6 | 21.0 | 16.9 | 14.4 | 13.8 |
| 70° | 3805.2 | 1750.8 | 56.4 | 44.1 | 32.8 | 25.6 | 20.0 | 19.0 | 16.4 | 13.8 | 12.8 |
| 72.5° | 2147.7 | 990.8 | 48.2 | 39.0 | 27.7 | 21.5 | 16.9 | 17.4 | 15.9 | 12.8 | 11.8 |
| 75° | 819.5 | 333.8 | 40.0 | 32.3 | 22.6 | 16.4 | 14.4 | 14.4 | 14.4 | 10.8 | 9.2 |
| 77.5° | 203.1 | 85.1 | 31.8 | 26.2 | 17.9 | 10.8 | 11.8 | 12.3 | 12.3 | 9.2 | 6.7 |
| 80° | 55.9 | 28.7 | 19.0 | 19.0 | 12.8 | 6.2 | 8.2 | 8.2 | 6.7 | 3.1 | 0.0 |
| 82.5° | 20.5 | 10.8 | 6.7 | 8.2 | 5.6 | 2.1 | 3.1 | 2.1 | 1.5 | 0.0 | 0.0 |
| 85° | 8.7 | 5.6 | 4.1 | 4.6 | 2.6 | 0.0 | 0.5 | 1.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.6 | 2.6 | 2.1 | 2.1 | 1.0 | 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)