

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: P597419

Luminaire Tested: **PMM-SA3C-722-U-T4W-HSS**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P597419
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-15)
Test Lab: INNOVATIONS CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: PMM-SA3C-722-U-T4W-HSS
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) 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: 10089 lumens
Efficiency: N/A
Efficacy: 60.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

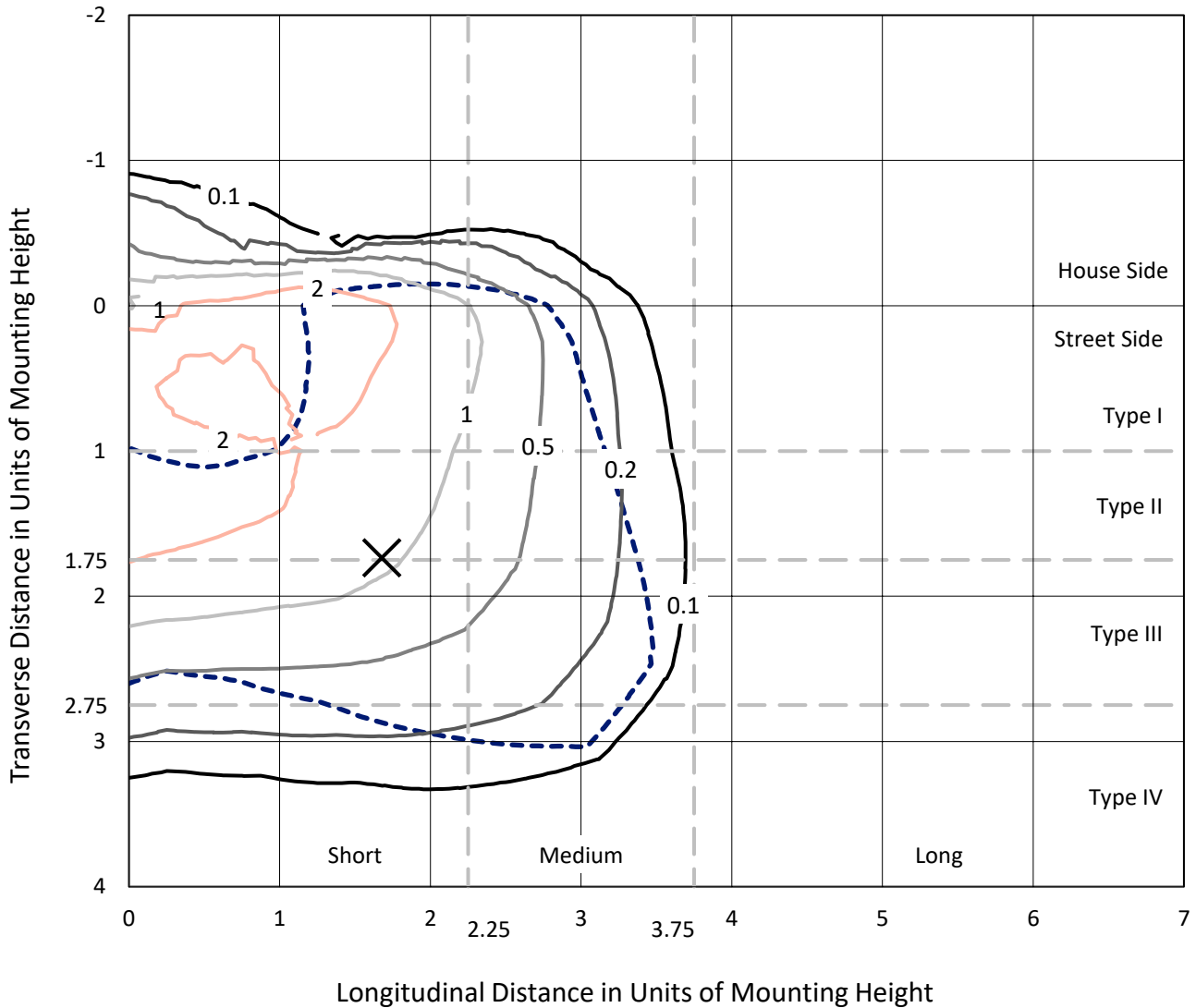
Input Watts (W): 166
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

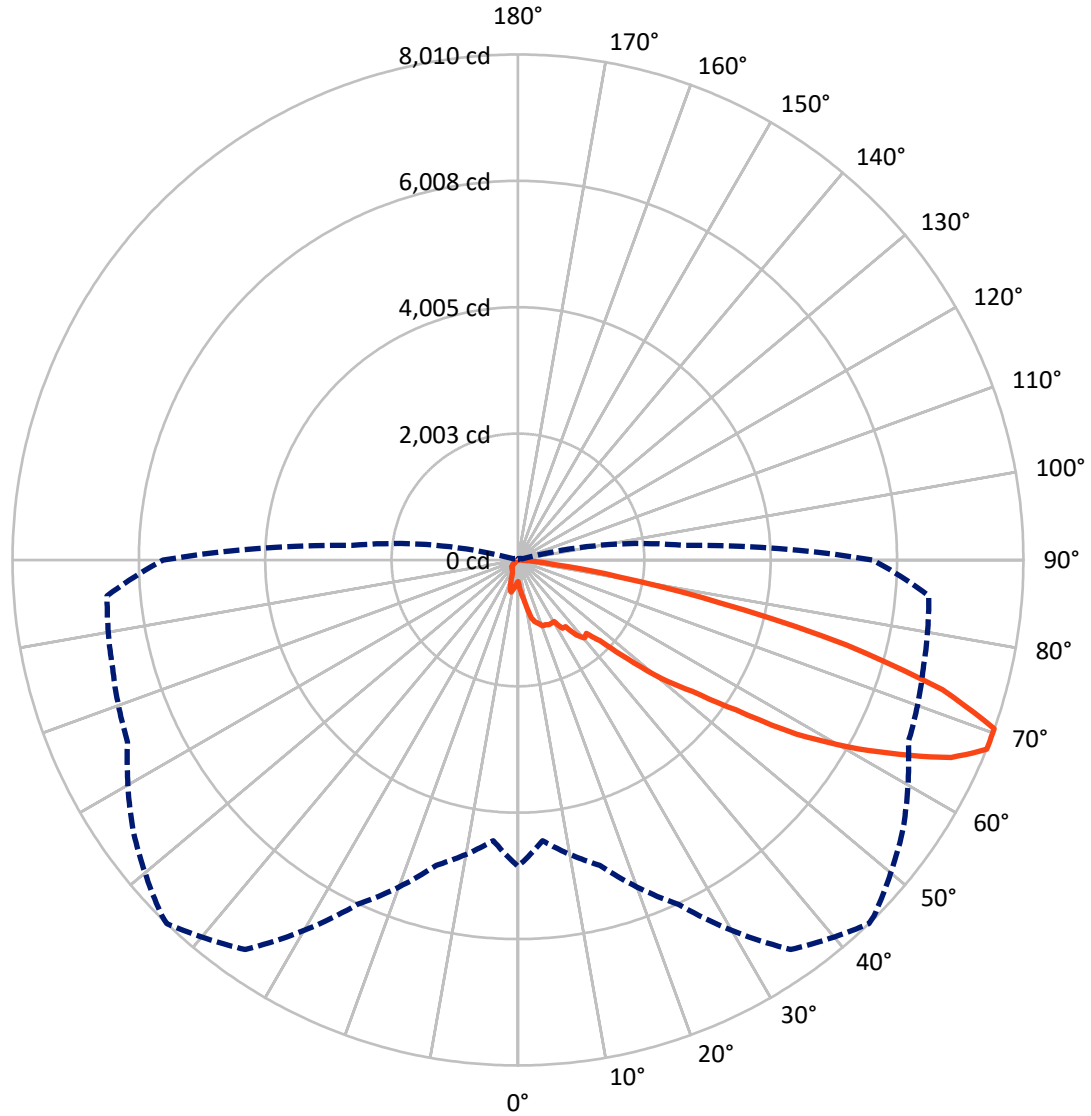
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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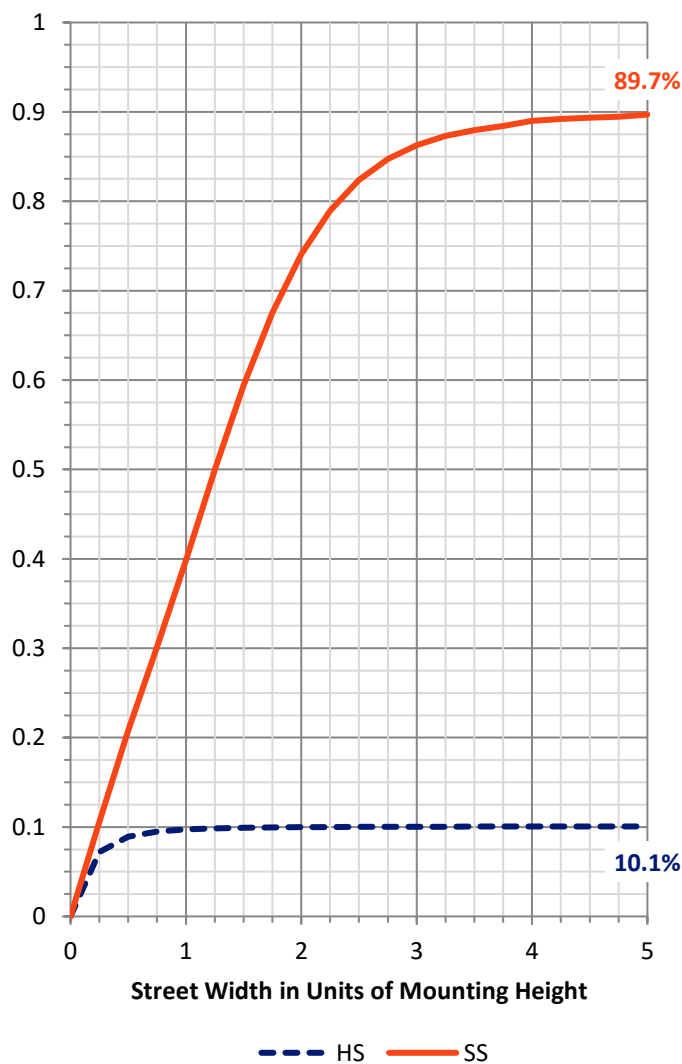
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1024.9 | 0.0 | 1024.9 |
| | % Fixture | 10.2 | 0.0 | 10.2 |
| Street Side | Lumens | 9064.1 | 0.0 | 9064.1 |
| | % Fixture | 89.8 | 0.0 | 89.8 |
| Total | Lumens | 10089.0 | 0.0 | 10089.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 50.4 | 0.5 |
| 10°-20° | 210.9 | 2.1 |
| 20°-30° | 373.7 | 3.7 |
| 30°-40° | 607.3 | 6.0 |
| 40°-50° | 1215.3 | 12.0 |
| 50°-60° | 2493.3 | 24.7 |
| 60°-70° | 3425.1 | 33.9 |
| 70°-80° | 1609.8 | 16.0 |
| 80°-90° | 103.1 | 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° | 10089.0 | 100.0 |
| 0°-180° | 10089.0 | 100.0 |

Coefficient of Utilization

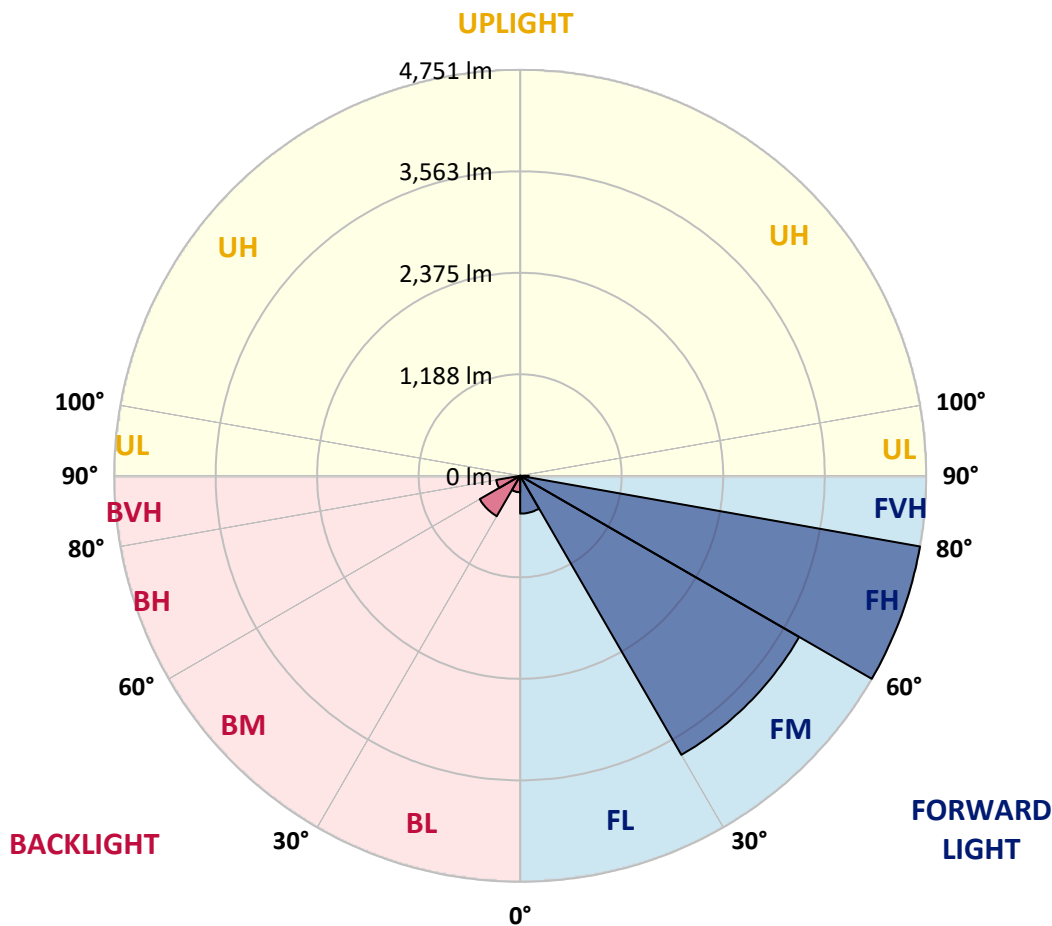


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 442.5 | 4.4 | | | |
| FM (30°-60°) | 3770.1 | 37.4 | | | |
| FH (60°-80°) | 4750.5 | 47.1 | | | G2/5000 |
| FVH (80°-90°) | 101.0 | 1.0 | | | G2/225 |
| BL (0°-30°) | 192.4 | 1.9 | B1/500 | | |
| BM (30°-60°) | 545.9 | 5.4 | B1/1000 | | |
| BH (60°-80°) | 284.4 | 2.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.1 | 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° | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 |
| 2.5° | 432.3 | 418.4 | 398.3 | 402.8 | 405.0 | 411.1 | 411.7 | 403.9 | 381.6 | 375.5 | 402.8 |
| 5° | 605.8 | 571.9 | 565.8 | 553.0 | 527.4 | 513.5 | 510.2 | 524.1 | 506.3 | 500.7 | 507.9 |
| 7.5° | 773.9 | 744.9 | 713.2 | 696.0 | 642.6 | 609.7 | 608.1 | 613.6 | 617.0 | 597.5 | 607.5 |
| 10° | 885.7 | 854.0 | 847.3 | 806.7 | 760.5 | 752.7 | 749.4 | 728.2 | 711.0 | 696.5 | 648.1 |
| 12.5° | 986.9 | 986.4 | 998.6 | 940.2 | 933.0 | 940.8 | 938.0 | 862.3 | 845.1 | 784.4 | 770.5 |
| 15° | 1121.6 | 1154.9 | 1102.1 | 1053.1 | 990.8 | 1017.5 | 1010.3 | 961.9 | 950.2 | 909.0 | 849.5 |
| 17.5° | 1261.2 | 1270.1 | 1181.6 | 1106.5 | 1090.4 | 1055.4 | 1062.6 | 1045.3 | 986.4 | 1019.2 | 960.2 |
| 20° | 1264.5 | 1284.0 | 1189.4 | 1065.4 | 1114.9 | 1113.2 | 1113.8 | 1097.1 | 1019.2 | 1096.0 | 1042.0 |
| 22.5° | 1311.3 | 1263.4 | 1175.5 | 1096.5 | 1105.4 | 1113.8 | 1122.7 | 1102.1 | 1085.4 | 1104.3 | 1114.3 |
| 25° | 1292.4 | 1273.4 | 1188.9 | 1136.6 | 1128.2 | 1134.9 | 1137.1 | 1163.3 | 1152.7 | 1198.3 | 1173.3 |
| 27.5° | 1341.3 | 1314.1 | 1162.7 | 1172.2 | 1142.7 | 1134.9 | 1121.6 | 1208.9 | 1240.1 | 1203.9 | 1270.7 |
| 30° | 1425.3 | 1421.4 | 1207.8 | 1221.7 | 1198.9 | 1130.5 | 1166.1 | 1280.1 | 1319.1 | 1296.8 | 1378.0 |
| 32.5° | 1556.6 | 1570.0 | 1339.6 | 1249.5 | 1261.2 | 1291.8 | 1278.4 | 1280.1 | 1378.6 | 1428.1 | 1492.6 |
| 35° | 1743.0 | 1735.8 | 1468.2 | 1355.2 | 1294.0 | 1299.0 | 1317.9 | 1408.6 | 1536.0 | 1532.7 | 1601.1 |
| 37.5° | 2109.1 | 2030.1 | 1695.7 | 1463.2 | 1481.5 | 1506.5 | 1492.6 | 1614.5 | 1626.7 | 1631.2 | 1794.7 |
| 40° | 2648.7 | 2543.5 | 2054.5 | 1690.7 | 1513.8 | 1624.5 | 1617.8 | 1647.9 | 1729.6 | 1760.2 | 1998.9 |
| 42.5° | 3359.7 | 3218.4 | 2686.0 | 2109.1 | 1669.5 | 1593.3 | 1634.5 | 1691.2 | 1966.1 | 2053.4 | 2314.9 |
| 45° | 4145.2 | 3859.3 | 3315.7 | 2705.4 | 2060.1 | 1823.7 | 1854.8 | 1960.5 | 2341.6 | 2486.2 | 2775.0 |
| 47.5° | 4654.3 | 4402.8 | 3939.4 | 3234.0 | 2467.3 | 2343.3 | 2346.0 | 2368.9 | 2782.8 | 3050.9 | 3438.1 |
| 50° | 5096.5 | 4829.0 | 4398.9 | 3786.4 | 3187.8 | 2953.0 | 2899.6 | 2794.5 | 3344.7 | 3711.3 | 4140.8 |
| 52.5° | 5720.8 | 5408.1 | 4858.4 | 4434.5 | 4009.5 | 3456.5 | 3437.6 | 3473.2 | 4007.3 | 4392.8 | 4861.2 |
| 55° | 6283.8 | 5903.8 | 5379.2 | 5112.1 | 4946.3 | 4196.4 | 4212.5 | 4272.1 | 4857.9 | 5062.1 | 5502.1 |
| 57.5° | 6532.4 | 6120.8 | 5850.9 | 5730.8 | 5642.3 | 5207.3 | 5152.7 | 5117.1 | 5528.8 | 5606.7 | 6173.6 |
| 60° | 6695.4 | 6303.8 | 6181.4 | 6209.2 | 6477.4 | 6015.6 | 5966.1 | 5759.1 | 6084.0 | 6148.0 | 6775.6 |
| 62.5° | 6592.5 | 6235.4 | 6261.5 | 6493.5 | 7088.8 | 6785.0 | 6642.0 | 6296.0 | 6538.0 | 6589.7 | 7207.8 |
| 65° | 5944.4 | 5572.2 | 5908.2 | 6469.6 | 7555.0 | 7547.7 | 7481.5 | 6791.7 | 6789.5 | 6855.7 | 7241.2 |
| 67.5° | 4855.7 | 4465.1 | 5008.6 | 6021.2 | 7535.5 | 8010.1 | 7978.9 | 7449.3 | 6825.6 | 6648.7 | 6534.7 |
| 70° | 3375.8 | 3037.0 | 3653.4 | 4972.5 | 6864.0 | 8006.7 | 7956.6 | 7891.0 | 6539.7 | 5723.0 | 5066.5 |
| 72.5° | 1754.1 | 1567.7 | 2141.9 | 3426.4 | 5471.5 | 7034.8 | 7200.0 | 7092.1 | 5583.9 | 4158.0 | 2983.6 |
| 75° | 595.8 | 534.6 | 883.5 | 1818.6 | 3637.3 | 5371.9 | 5565.5 | 5455.9 | 3792.5 | 2230.9 | 1180.0 |
| 77.5° | 230.9 | 214.7 | 316.6 | 738.3 | 1824.8 | 3273.5 | 3483.7 | 3371.9 | 2033.9 | 817.3 | 277.6 |
| 80° | 131.3 | 126.8 | 174.7 | 332.7 | 804.5 | 1628.4 | 1776.4 | 1611.1 | 733.2 | 275.4 | 72.3 |
| 82.5° | 55.6 | 57.3 | 97.4 | 179.7 | 404.5 | 574.7 | 640.9 | 584.7 | 307.1 | 188.6 | 26.7 |
| 85° | 12.2 | 15.0 | 46.2 | 100.1 | 169.7 | 164.1 | 171.9 | 190.8 | 188.6 | 138.5 | 11.7 |
| 87.5° | 0.0 | 0.0 | 14.5 | 27.3 | 40.6 | 26.7 | 21.1 | 37.3 | 57.9 | 55.6 | 5.0 |
| 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° | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 | 339.9 |
| 2.5° | 407.8 | 402.2 | 367.2 | 365.0 | 367.2 | 361.1 | 360.5 | 347.7 | 348.8 | 377.7 | 380.0 |
| 5° | 507.9 | 480.1 | 450.1 | 440.6 | 431.7 | 411.7 | 422.8 | 422.8 | 422.8 | 441.2 | 446.7 |
| 7.5° | 598.6 | 561.3 | 519.1 | 483.5 | 449.0 | 423.9 | 441.2 | 453.4 | 460.6 | 484.6 | 495.7 |
| 10° | 639.8 | 603.1 | 565.2 | 514.6 | 487.9 | 478.4 | 458.4 | 447.8 | 460.6 | 455.6 | 461.8 |
| 12.5° | 727.7 | 694.3 | 629.2 | 576.9 | 556.9 | 524.6 | 465.6 | 424.5 | 397.2 | 392.8 | 391.7 |
| 15° | 813.4 | 792.8 | 705.4 | 635.3 | 565.8 | 491.2 | 390.5 | 336.0 | 307.1 | 302.1 | 302.6 |
| 17.5° | 921.8 | 892.4 | 763.8 | 663.1 | 545.2 | 411.1 | 301.5 | 254.8 | 252.6 | 264.8 | 265.9 |
| 20° | 994.2 | 945.8 | 793.3 | 640.3 | 477.3 | 311.0 | 235.9 | 224.8 | 242.6 | 264.8 | 262.6 |
| 22.5° | 1063.1 | 1010.9 | 832.3 | 620.3 | 370.0 | 235.9 | 217.0 | 218.1 | 233.1 | 257.0 | 263.1 |
| 25° | 1108.8 | 1089.9 | 880.1 | 573.6 | 282.1 | 204.2 | 207.5 | 215.9 | 228.7 | 251.5 | 251.5 |
| 27.5° | 1246.2 | 1157.7 | 874.6 | 482.9 | 217.0 | 190.3 | 198.1 | 208.6 | 215.3 | 242.6 | 245.3 |
| 30° | 1329.6 | 1300.7 | 903.5 | 390.5 | 190.3 | 172.5 | 187.5 | 196.9 | 201.4 | 232.5 | 233.7 |
| 32.5° | 1432.0 | 1368.0 | 938.5 | 288.2 | 176.9 | 171.3 | 168.0 | 175.2 | 188.0 | 215.3 | 217.0 |
| 35° | 1556.6 | 1537.7 | 888.5 | 226.4 | 172.5 | 160.2 | 153.5 | 157.4 | 165.8 | 184.1 | 188.0 |
| 37.5° | 1810.9 | 1698.5 | 858.4 | 194.2 | 172.5 | 156.3 | 149.1 | 139.1 | 140.2 | 153.0 | 160.2 |
| 40° | 2025.0 | 1990.6 | 774.4 | 188.6 | 164.7 | 150.8 | 133.0 | 120.7 | 112.4 | 116.3 | 119.1 |
| 42.5° | 2418.4 | 2258.7 | 665.9 | 185.8 | 157.4 | 136.3 | 112.9 | 100.1 | 87.3 | 88.5 | 92.9 |
| 45° | 2895.7 | 2551.3 | 569.1 | 183.0 | 152.4 | 121.8 | 95.1 | 80.1 | 66.8 | 67.3 | 71.8 |
| 47.5° | 3533.3 | 2978.0 | 451.7 | 174.7 | 143.5 | 108.5 | 76.8 | 61.2 | 53.4 | 55.1 | 59.0 |
| 50° | 4257.6 | 3352.5 | 357.2 | 161.9 | 133.0 | 95.7 | 62.3 | 49.5 | 46.7 | 48.4 | 52.9 |
| 52.5° | 4904.6 | 3628.4 | 294.9 | 150.2 | 117.9 | 77.9 | 52.3 | 44.0 | 42.8 | 44.0 | 47.3 |
| 55° | 5479.9 | 3788.6 | 246.5 | 136.9 | 101.3 | 62.9 | 47.3 | 40.6 | 40.1 | 39.5 | 41.7 |
| 57.5° | 6019.5 | 3834.8 | 192.5 | 115.7 | 82.3 | 54.5 | 44.0 | 37.8 | 36.7 | 35.0 | 36.7 |
| 60° | 6412.8 | 3755.8 | 141.3 | 92.9 | 67.3 | 49.5 | 41.2 | 33.9 | 32.3 | 29.5 | 30.6 |
| 62.5° | 6602.5 | 3539.4 | 106.8 | 74.5 | 57.3 | 45.1 | 36.7 | 29.5 | 27.3 | 23.9 | 24.5 |
| 65° | 6422.3 | 3182.8 | 84.0 | 62.9 | 49.0 | 37.8 | 31.2 | 25.0 | 22.3 | 18.9 | 18.9 |
| 67.5° | 5624.0 | 2640.3 | 71.2 | 54.5 | 41.2 | 32.3 | 25.6 | 22.8 | 18.4 | 15.6 | 15.0 |
| 70° | 4128.0 | 1899.3 | 61.2 | 47.8 | 35.6 | 27.8 | 21.7 | 20.6 | 17.8 | 15.0 | 13.9 |
| 72.5° | 2329.9 | 1074.8 | 52.3 | 42.3 | 30.0 | 23.4 | 18.4 | 18.9 | 17.2 | 13.9 | 12.8 |
| 75° | 889.0 | 362.2 | 43.4 | 35.0 | 24.5 | 17.8 | 15.6 | 15.6 | 15.6 | 11.7 | 10.0 |
| 77.5° | 220.3 | 92.4 | 34.5 | 28.4 | 19.5 | 11.7 | 12.8 | 13.4 | 13.4 | 10.0 | 7.2 |
| 80° | 60.6 | 31.2 | 20.6 | 20.6 | 13.9 | 6.7 | 8.9 | 8.9 | 7.2 | 3.3 | 0.0 |
| 82.5° | 22.3 | 11.7 | 7.2 | 8.9 | 6.1 | 2.2 | 3.3 | 2.2 | 1.7 | 0.0 | 0.0 |
| 85° | 9.5 | 6.1 | 4.5 | 5.0 | 2.8 | 0.0 | 0.6 | 1.1 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.9 | 2.8 | 2.2 | 2.2 | 1.1 | 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)