

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: P415954

Luminaire Tested: **LXF.LXT-PA1-60-740-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-740-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7522 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

Input Watts (W): 64
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

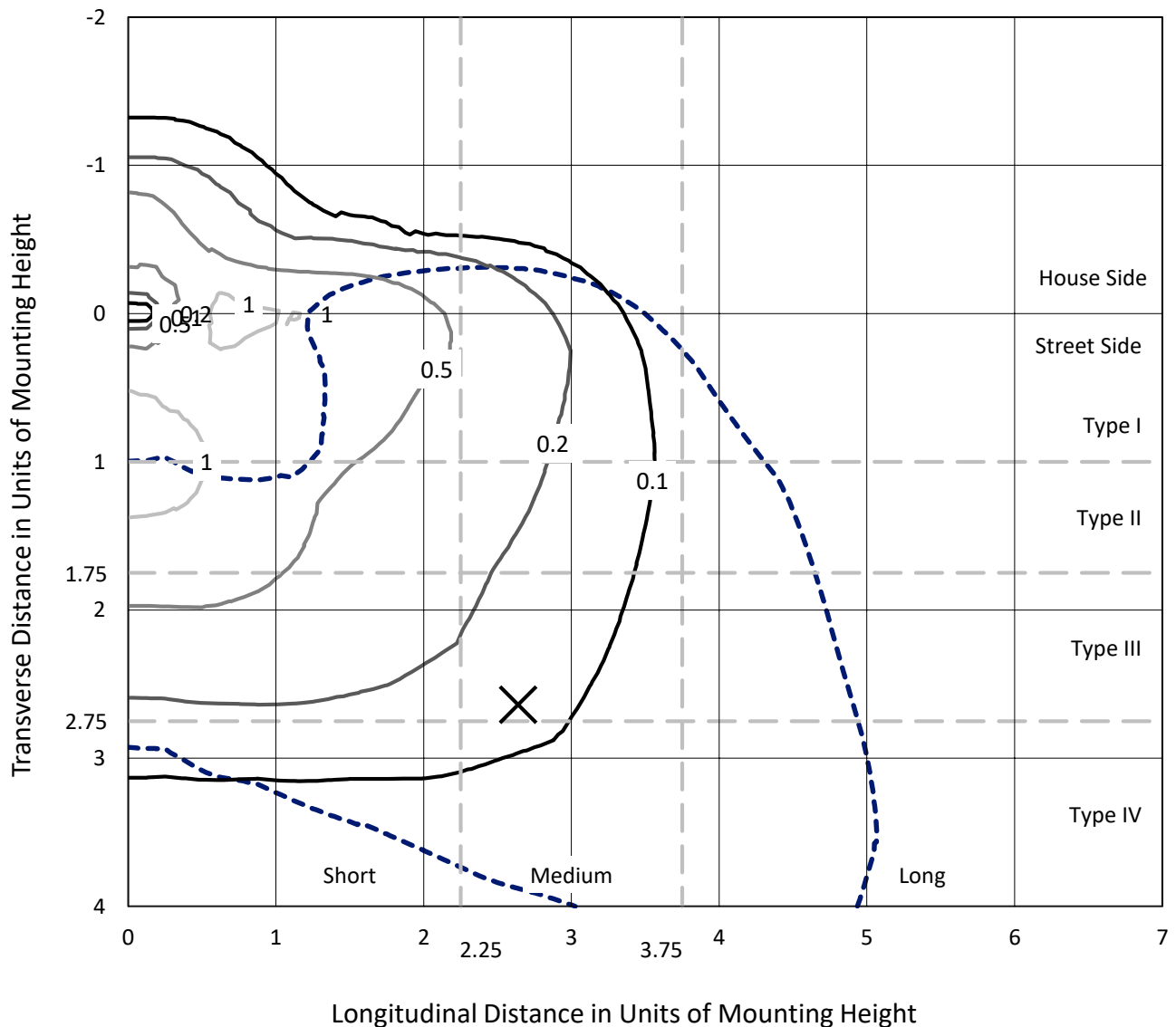


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Iso-Footcandle Lines of Horizontal Illumination

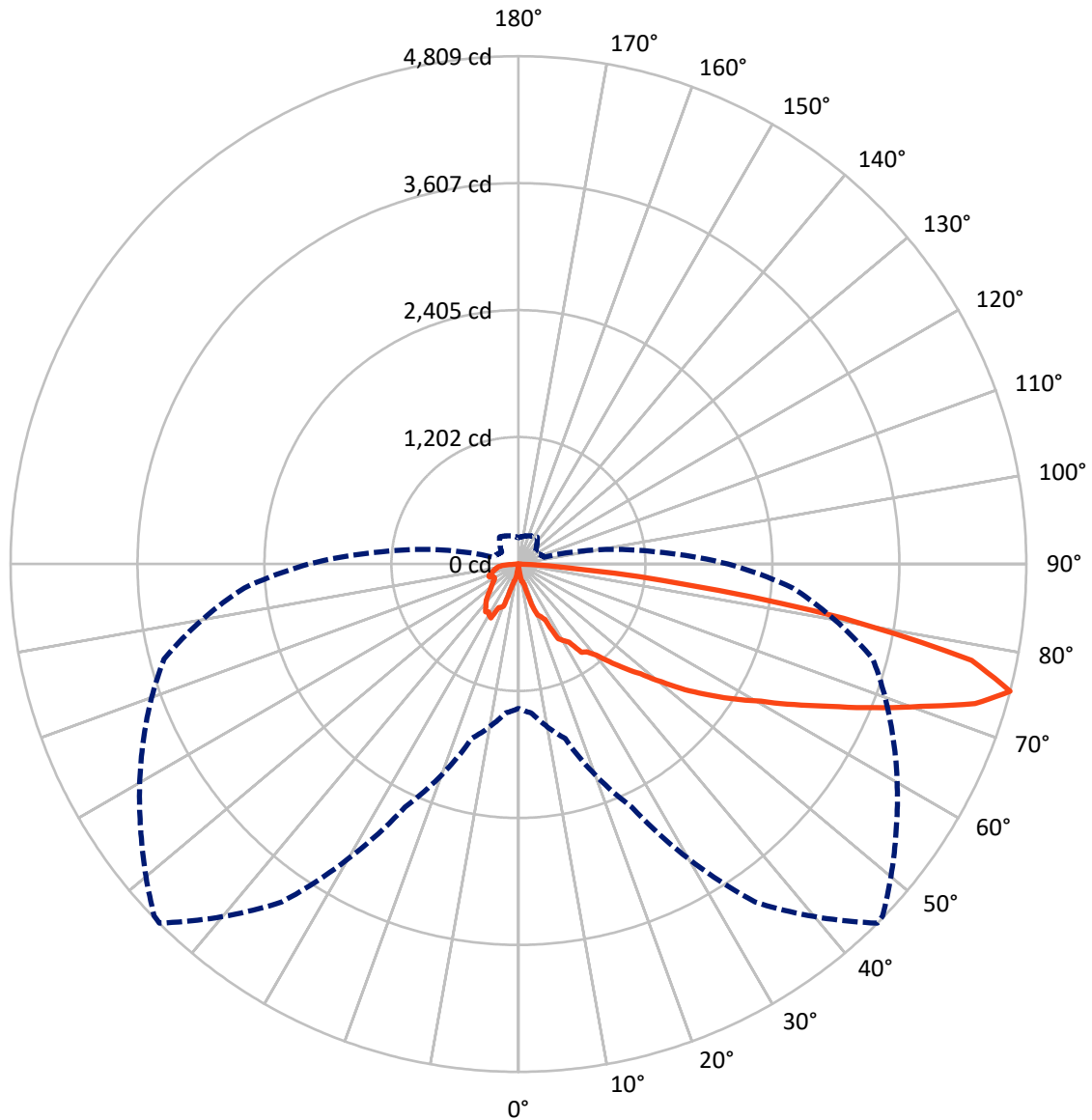
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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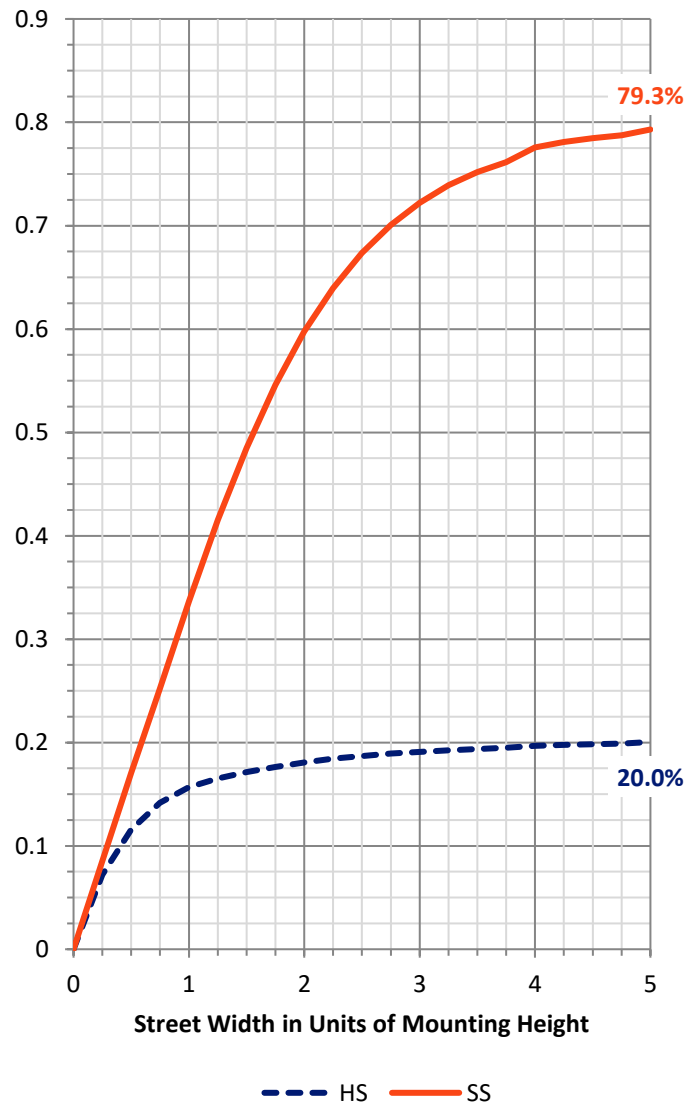
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1542.8 | 0.0 | 1542.8 |
| | % Fixture | 20.5 | 0.0 | 20.5 |
| Street Side | Lumens | 5979.2 | 0.0 | 5979.2 |
| | % Fixture | 79.5 | 0.0 | 79.5 |
| Total | Lumens | 7522.0 | 0.0 | 7522.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.9 | 0.1 |
| 10°-20° | 77.7 | 1.0 |
| 20°-30° | 289.0 | 3.8 |
| 30°-40° | 595.5 | 7.9 |
| 40°-50° | 944.2 | 12.6 |
| 50°-60° | 1492.6 | 19.8 |
| 60°-70° | 2097.0 | 27.9 |
| 70°-80° | 1745.7 | 23.2 |
| 80°-90° | 275.3 | 3.7 |
| 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° | 7522.0 | 100.0 |
| 0°-180° | 7522.0 | 100.0 |



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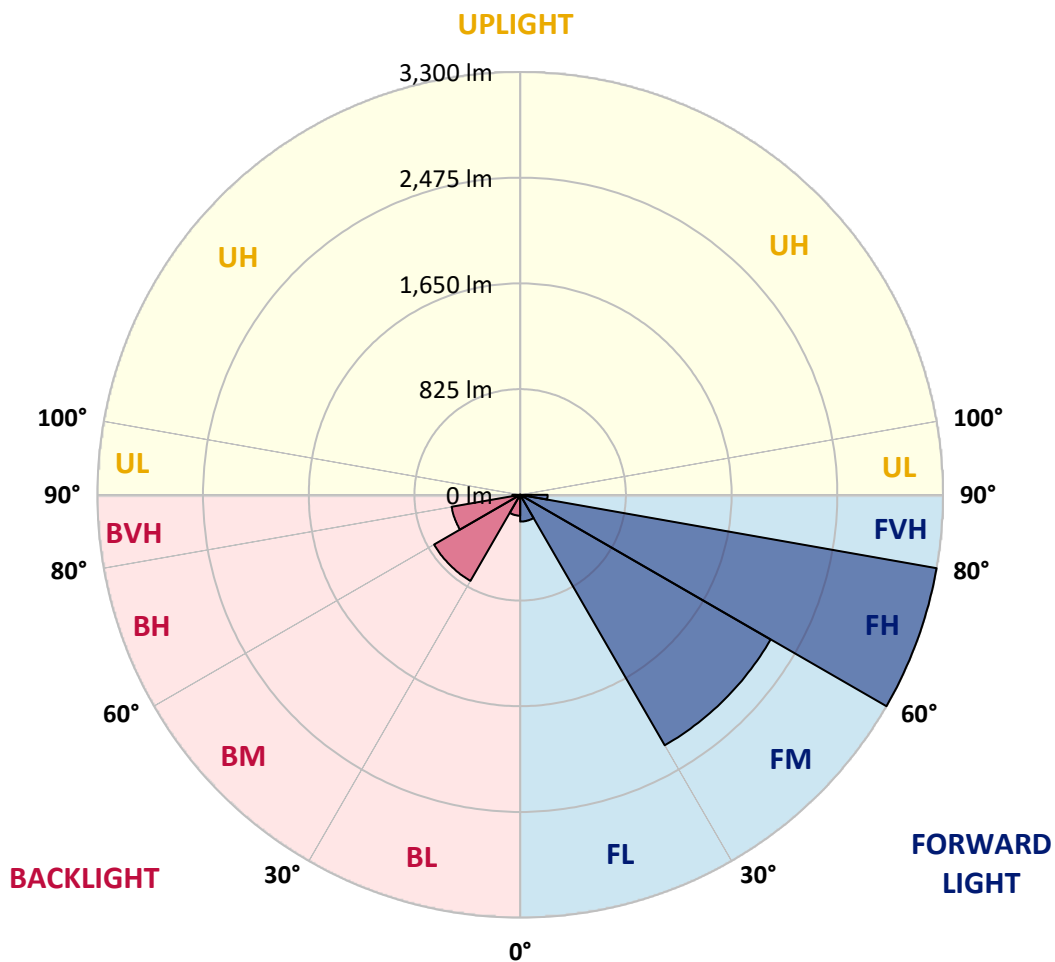
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 208.9 | 2.8 | | | |
| FM | (30°-60°) | 2257.0 | 30.0 | | | |
| FH | (60°-80°) | 3299.7 | 43.9 | | | G2/5000 |
| FVH | (80°-90°) | 213.8 | 2.8 | | | G2/225 |
| BL | (0°-30°) | 162.8 | 2.2 | B1/500 | | |
| BM | (30°-60°) | 775.4 | 10.3 | B1/1000 | | |
| BH | (60°-80°) | 543.1 | 7.2 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 61.5 | 0.8 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 46° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 4.1 | 4.1 | 4.1 | 4.1 | 4.1 | 3.3 | 3.3 | 2.4 | 3.3 | 3.3 | 3.3 |
| 5° | 57.9 | 54.7 | 43.2 | 38.3 | 31.8 | 13.1 | 10.6 | 4.9 | 4.1 | 4.1 | 3.3 |
| 7.5° | 172.1 | 170.5 | 168.1 | 162.3 | 155.0 | 97.1 | 84.0 | 30.2 | 5.7 | 4.1 | 3.3 |
| 10° | 190.1 | 186.8 | 182.7 | 177.0 | 170.5 | 162.3 | 161.5 | 148.5 | 26.9 | 9.0 | 7.3 |
| 12.5° | 373.6 | 367.1 | 306.7 | 221.9 | 183.6 | 173.8 | 173.8 | 168.1 | 121.6 | 42.4 | 99.5 |
| 15° | 401.4 | 398.1 | 386.7 | 372.0 | 350.0 | 201.5 | 197.4 | 262.7 | 323.9 | 226.8 | 240.7 |
| 17.5° | 451.1 | 443.8 | 408.7 | 390.8 | 374.4 | 406.3 | 403.8 | 376.1 | 354.9 | 251.3 | 270.0 |
| 20° | 629.0 | 624.9 | 610.2 | 437.3 | 403.0 | 513.9 | 515.6 | 426.7 | 385.9 | 444.6 | 441.3 |
| 22.5° | 643.7 | 642.8 | 632.2 | 606.1 | 638.8 | 539.2 | 540.0 | 567.0 | 563.7 | 589.8 | 535.2 |
| 25° | 841.9 | 839.4 | 681.2 | 624.9 | 697.5 | 580.8 | 606.9 | 703.2 | 628.2 | 639.6 | 668.1 |
| 27.5° | 863.9 | 862.3 | 853.3 | 814.2 | 722.0 | 800.3 | 800.3 | 726.9 | 800.3 | 837.8 | 842.7 |
| 30° | 982.2 | 951.2 | 888.4 | 869.6 | 841.1 | 840.3 | 842.7 | 841.9 | 925.9 | 877.0 | 925.9 |
| 32.5° | 1155.2 | 1148.6 | 1125.8 | 943.0 | 934.9 | 881.0 | 908.8 | 972.4 | 966.7 | 1115.2 | 1178.8 |
| 35° | 1404.8 | 1315.9 | 1235.1 | 1088.3 | 970.8 | 1026.3 | 1030.3 | 1008.3 | 1125.8 | 1173.1 | 1262.8 |
| 37.5° | 1753.1 | 1728.6 | 1614.4 | 1225.3 | 1081.7 | 1054.8 | 1057.3 | 1129.0 | 1196.8 | 1249.0 | 1349.3 |
| 40° | 2006.8 | 1993.8 | 1914.6 | 1500.2 | 1186.2 | 1132.3 | 1138.0 | 1184.5 | 1247.3 | 1340.3 | 1444.8 |
| 42.5° | 2249.9 | 2249.9 | 2203.4 | 1735.2 | 1410.5 | 1264.5 | 1260.4 | 1270.2 | 1315.0 | 1412.9 | 1585.9 |
| 45° | 2408.2 | 2399.2 | 2438.4 | 1956.3 | 1577.7 | 1406.4 | 1390.9 | 1388.5 | 1404.8 | 1520.6 | 1775.1 |
| 47.5° | 2567.3 | 2542.8 | 2580.3 | 2179.8 | 1796.4 | 1553.3 | 1554.9 | 1524.7 | 1546.7 | 1724.6 | 2033.8 |
| 50° | 2735.3 | 2740.2 | 2735.3 | 2368.2 | 2010.9 | 1753.1 | 1739.3 | 1700.9 | 1745.0 | 1963.6 | 2323.4 |
| 52.5° | 2975.2 | 2958.0 | 2909.9 | 2608.1 | 2285.0 | 1975.0 | 1953.0 | 1897.5 | 2001.1 | 2245.0 | 2685.6 |
| 55° | 3149.7 | 3133.4 | 3120.4 | 2865.0 | 2495.5 | 2189.6 | 2176.5 | 2115.3 | 2309.5 | 2528.9 | 3059.2 |
| 57.5° | 3339.8 | 3320.2 | 3357.8 | 3215.8 | 2825.9 | 2413.9 | 2396.8 | 2359.2 | 2626.0 | 2852.8 | 3439.3 |
| 60° | 3467.9 | 3468.7 | 3571.5 | 3468.7 | 3101.6 | 2638.2 | 2621.9 | 2649.7 | 2915.6 | 3149.7 | 3849.7 |
| 62.5° | 3467.9 | 3494.8 | 3720.8 | 3745.3 | 3396.9 | 2931.1 | 2902.6 | 2918.1 | 3230.5 | 3461.4 | 4186.6 |
| 65° | 3139.1 | 3172.6 | 3699.6 | 3825.2 | 3693.1 | 3247.6 | 3233.8 | 3224.0 | 3528.3 | 3707.7 | 4450.9 |
| 67.5° | 2803.9 | 2845.5 | 3378.2 | 3829.3 | 3935.3 | 3631.9 | 3581.3 | 3498.9 | 3785.2 | 3891.3 | 4592.9 |
| 70° | 2571.4 | 2605.6 | 3029.0 | 3698.0 | 4092.0 | 4034.9 | 4001.4 | 3784.4 | 3957.4 | 4007.9 | 4433.0 |
| 72.5° | 2193.6 | 2196.9 | 2573.8 | 3420.6 | 4197.2 | 4521.9 | 4443.6 | 4100.9 | 4054.4 | 3932.1 | 3759.1 |
| 75° | 1367.3 | 1417.0 | 1710.7 | 2538.7 | 3906.8 | 4809.0 | 4794.4 | 4366.9 | 3915.8 | 3474.4 | 2606.4 |
| 77.5° | 509.0 | 538.4 | 715.4 | 1303.6 | 2795.7 | 4386.5 | 4399.5 | 4078.1 | 3312.1 | 2517.5 | 1399.9 |
| 80° | 165.6 | 177.8 | 236.6 | 420.1 | 1241.6 | 3122.0 | 3224.0 | 2892.8 | 2031.3 | 1279.2 | 589.8 |
| 82.5° | 92.2 | 88.9 | 137.1 | 217.8 | 530.3 | 1617.7 | 1684.6 | 1390.9 | 957.7 | 535.2 | 220.3 |
| 85° | 42.4 | 44.1 | 65.3 | 118.3 | 283.1 | 451.1 | 487.0 | 475.6 | 363.0 | 220.3 | 80.8 |
| 87.5° | 9.0 | 10.6 | 14.7 | 27.7 | 44.1 | 38.3 | 27.7 | 48.9 | 71.0 | 52.2 | 13.9 |
| 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 3.3 | 3.3 | 2.4 | 2.4 | 1.6 | 1.6 | 0.8 | 0.8 | 1.6 | 1.6 | 1.6 |
| 5° | 3.3 | 3.3 | 2.4 | 2.4 | 2.4 | 2.4 | 3.3 | 5.7 | 6.5 | 7.3 | 6.5 |
| 7.5° | 3.3 | 3.3 | 3.3 | 3.3 | 4.1 | 8.2 | 38.3 | 117.5 | 124.8 | 127.3 | 130.5 |
| 10° | 7.3 | 6.5 | 6.5 | 7.3 | 25.3 | 123.2 | 148.5 | 156.6 | 160.7 | 163.2 | 162.3 |
| 12.5° | 113.4 | 112.6 | 41.6 | 25.3 | 118.3 | 155.8 | 159.9 | 164.8 | 172.9 | 181.1 | 177.8 |
| 15° | 239.8 | 239.0 | 220.3 | 228.4 | 230.1 | 169.7 | 172.9 | 283.1 | 301.8 | 314.1 | 318.2 |
| 17.5° | 261.1 | 263.5 | 256.2 | 315.7 | 323.1 | 257.0 | 288.0 | 315.7 | 322.2 | 326.3 | 327.1 |
| 20° | 484.6 | 435.6 | 372.8 | 353.2 | 344.3 | 424.2 | 321.4 | 324.7 | 419.3 | 449.5 | 452.8 |
| 22.5° | 532.7 | 528.6 | 494.4 | 509.0 | 429.9 | 442.2 | 416.1 | 438.9 | 481.3 | 490.3 | 490.3 |
| 25° | 687.7 | 680.4 | 564.5 | 530.3 | 545.8 | 454.4 | 525.4 | 478.0 | 493.5 | 509.9 | 511.5 |
| 27.5° | 845.2 | 836.2 | 753.8 | 596.3 | 540.9 | 573.5 | 533.5 | 576.8 | 624.1 | 646.9 | 647.7 |
| 30° | 918.6 | 906.3 | 786.4 | 672.2 | 562.9 | 561.3 | 560.4 | 637.9 | 633.9 | 648.5 | 652.6 |
| 32.5° | 1220.4 | 1200.8 | 1005.0 | 660.8 | 584.1 | 533.5 | 594.7 | 620.8 | 713.8 | 759.5 | 764.4 |
| 35° | 1293.8 | 1269.4 | 1009.9 | 730.9 | 551.5 | 549.8 | 551.5 | 637.1 | 687.7 | 720.3 | 727.7 |
| 37.5° | 1377.9 | 1344.4 | 998.5 | 685.3 | 564.5 | 512.3 | 524.5 | 575.1 | 685.3 | 758.7 | 764.4 |
| 40° | 1482.3 | 1430.9 | 995.3 | 639.6 | 526.2 | 484.6 | 482.1 | 549.8 | 598.8 | 643.7 | 647.7 |
| 42.5° | 1626.7 | 1544.3 | 990.4 | 592.3 | 481.3 | 451.1 | 455.2 | 484.6 | 523.7 | 519.7 | 526.2 |
| 45° | 1818.4 | 1685.4 | 982.2 | 550.7 | 435.6 | 409.5 | 407.1 | 428.3 | 446.2 | 420.1 | 412.8 |
| 47.5° | 2058.2 | 1860.0 | 995.3 | 510.7 | 393.2 | 368.7 | 369.6 | 378.5 | 381.8 | 353.2 | 346.7 |
| 50° | 2330.7 | 2057.4 | 1009.1 | 466.6 | 358.9 | 340.2 | 336.1 | 339.4 | 334.5 | 306.7 | 304.3 |
| 52.5° | 2655.4 | 2289.1 | 1016.5 | 425.0 | 331.2 | 316.5 | 311.6 | 309.2 | 301.8 | 283.1 | 280.6 |
| 55° | 3031.5 | 2567.3 | 1032.0 | 391.6 | 308.4 | 294.5 | 292.1 | 288.8 | 286.3 | 275.7 | 274.1 |
| 57.5° | 3416.5 | 2874.0 | 1023.0 | 357.3 | 286.3 | 274.1 | 279.0 | 284.7 | 291.2 | 287.2 | 286.3 |
| 60° | 3769.7 | 3118.7 | 912.0 | 327.1 | 265.1 | 261.9 | 283.1 | 310.0 | 314.9 | 319.0 | 318.2 |
| 62.5° | 4034.1 | 3241.9 | 723.6 | 301.0 | 250.4 | 262.7 | 314.1 | 351.6 | 346.7 | 336.1 | 333.7 |
| 65° | 4127.1 | 3207.7 | 557.2 | 281.4 | 243.1 | 284.7 | 346.7 | 366.3 | 338.6 | 319.0 | 314.9 |
| 67.5° | 4065.1 | 3038.8 | 431.6 | 265.1 | 239.0 | 303.5 | 358.1 | 352.4 | 320.6 | 305.9 | 300.2 |
| 70° | 3747.7 | 2687.2 | 342.6 | 251.3 | 234.9 | 292.1 | 352.4 | 336.1 | 305.9 | 292.9 | 283.9 |
| 72.5° | 3066.5 | 2125.1 | 293.7 | 235.8 | 217.8 | 268.4 | 334.5 | 314.1 | 292.9 | 275.7 | 267.6 |
| 75° | 1983.2 | 1306.9 | 255.3 | 217.8 | 195.0 | 243.1 | 311.6 | 292.9 | 274.9 | 257.8 | 249.6 |
| 77.5° | 954.5 | 593.9 | 223.5 | 195.8 | 173.8 | 224.3 | 292.9 | 270.8 | 252.9 | 235.8 | 226.0 |
| 80° | 402.2 | 280.6 | 190.9 | 173.8 | 158.3 | 210.5 | 272.5 | 247.2 | 226.8 | 214.6 | 203.9 |
| 82.5° | 195.8 | 155.0 | 145.2 | 141.1 | 137.9 | 191.7 | 250.4 | 219.4 | 198.2 | 186.8 | 163.2 |
| 85° | 66.1 | 66.9 | 89.7 | 87.3 | 97.1 | 153.4 | 204.8 | 166.4 | 148.5 | 128.9 | 120.7 |
| 87.5° | 6.5 | 9.0 | 12.2 | 15.5 | 31.8 | 42.4 | 70.2 | 57.1 | 44.9 | 17.1 | 11.4 |
| 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)