

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: P415777

Luminaire Tested: **LXF.LXT-PA1-60-722-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415777
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-722-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

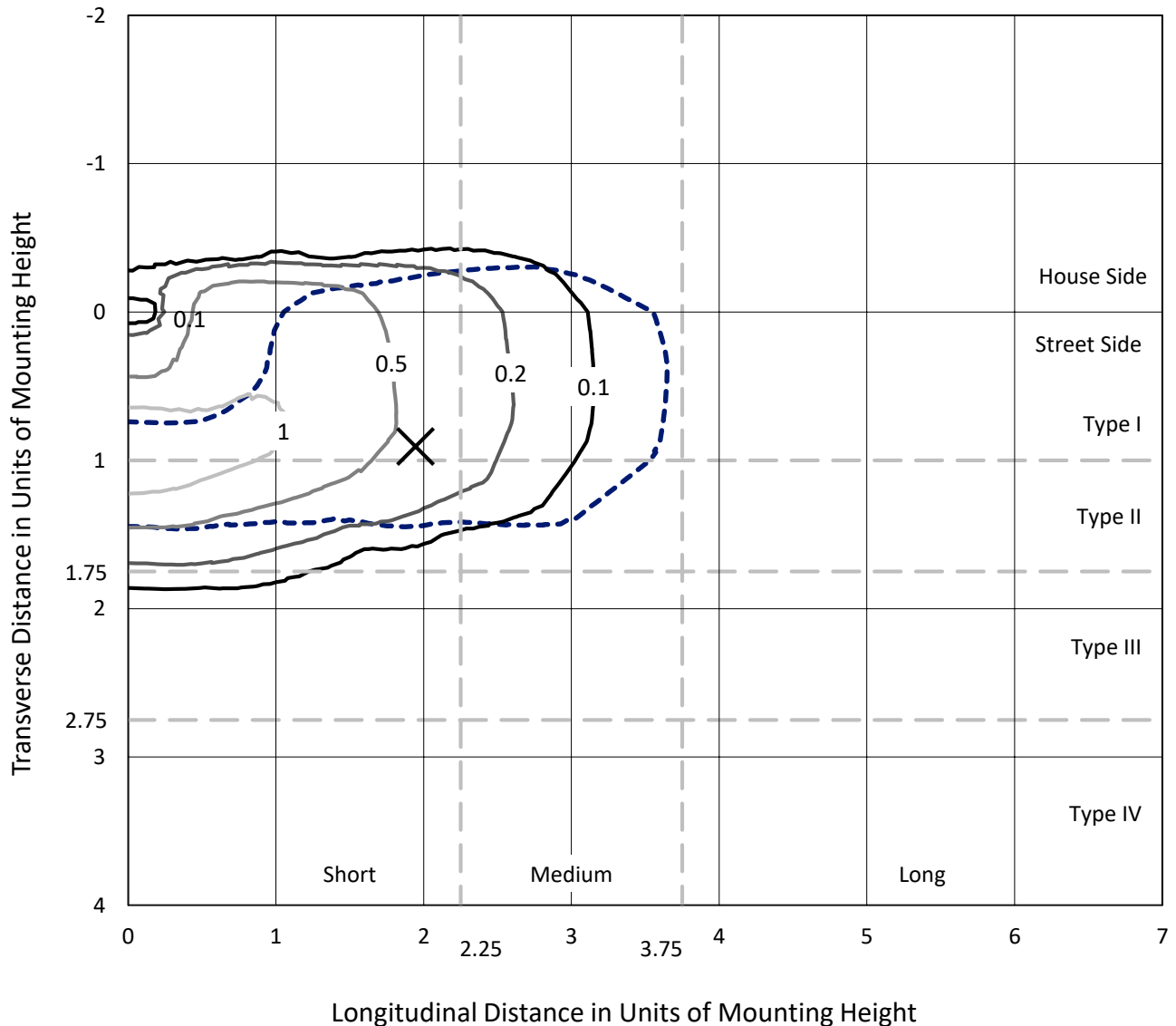
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

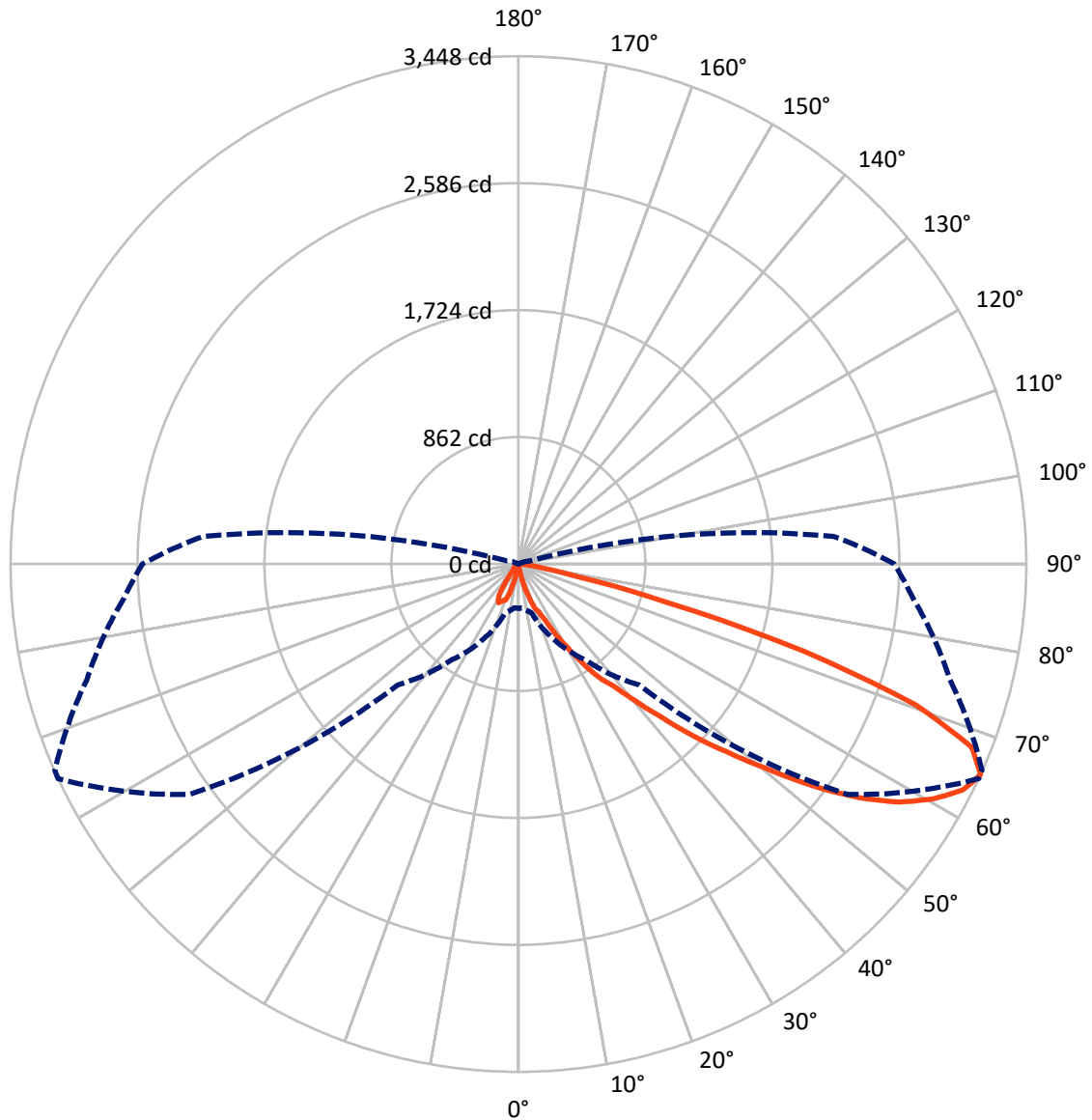
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



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



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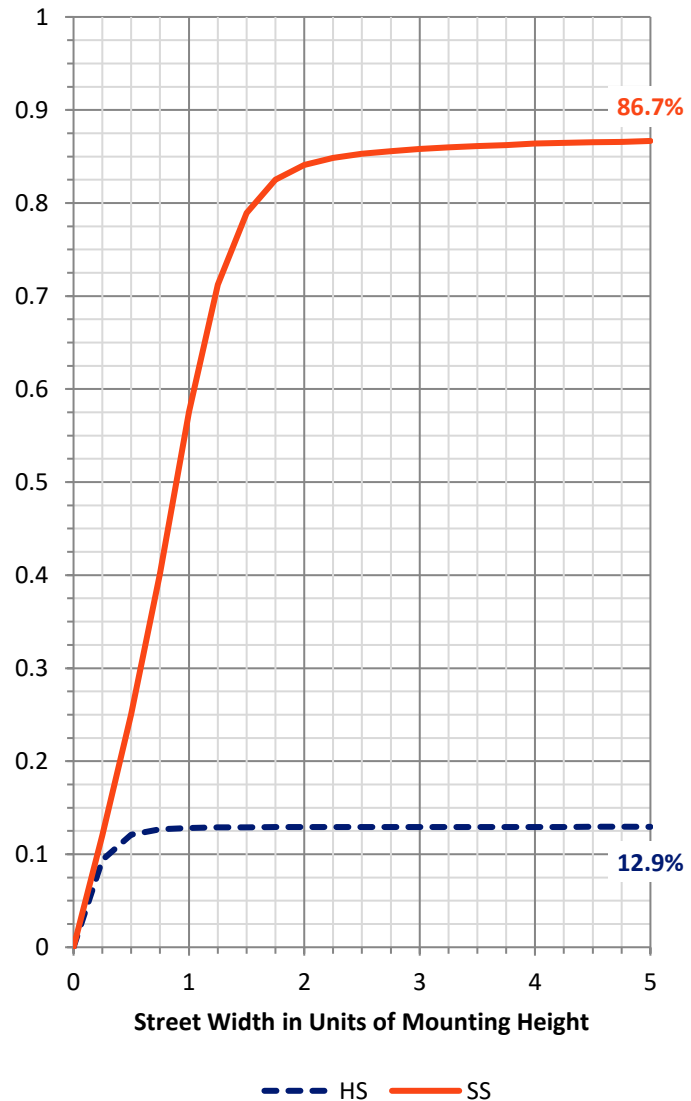
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 531.9 | 0.0 | 531.9 |
| | % Fixture | 13.1 | 0.0 | 13.1 |
| Street Side | Lumens | 3522.1 | 0.0 | 3522.1 |
| | % Fixture | 86.9 | 0.0 | 86.9 |
| Total | Lumens | 4054.0 | 0.0 | 4054.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.2 | 0.1 |
| 10°-20° | 42.1 | 1.0 |
| 20°-30° | 143.0 | 3.5 |
| 30°-40° | 402.2 | 9.9 |
| 40°-50° | 892.5 | 22.0 |
| 50°-60° | 1196.7 | 29.5 |
| 60°-70° | 953.4 | 23.5 |
| 70°-80° | 392.8 | 9.7 |
| 80°-90° | 28.1 | 0.7 |
| 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° | 4054.0 | 100.0 |
| 0°-180° | 4054.0 | 100.0 |



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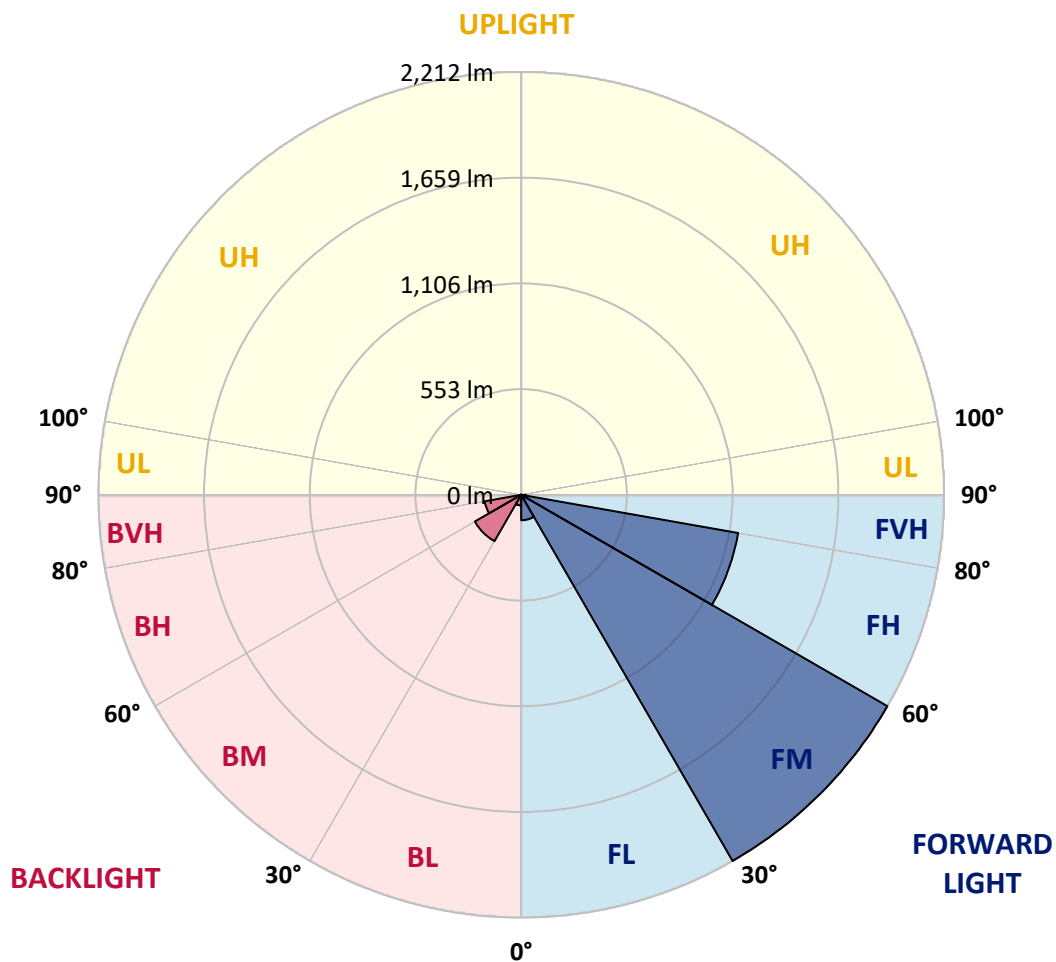
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 133.0 | 3.3 | | | |
| FM (30°-60°) | 2211.7 | 54.6 | | | |
| FH (60°-80°) | 1152.4 | 28.4 | | | G1/1800 |
| FVH (80°-90°) | 25.0 | 0.6 | | | G1/100 |
| BL (0°-30°) | 55.3 | 1.4 | B0/110 | | |
| BM (30°-60°) | 279.7 | 6.9 | B1/1000 | | |
| BH (60°-80°) | 193.8 | 4.8 | B1/500 | | G1/500 |
| BVH (80°-90°) | 3.1 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 2.5° | 0.6 | 0.6 | 0.6 | 1.8 | 1.8 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 5° | 17.4 | 16.2 | 12.0 | 6.6 | 3.6 | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 | 1.2 |
| 7.5° | 121.1 | 120.5 | 120.5 | 121.7 | 122.3 | 43.8 | 4.2 | 1.8 | 1.8 | 1.2 | 1.2 |
| 10° | 116.3 | 115.7 | 115.7 | 117.5 | 119.3 | 119.9 | 115.1 | 3.0 | 2.4 | 1.2 | 1.2 |
| 12.5° | 217.1 | 213.5 | 136.1 | 119.3 | 116.3 | 117.5 | 118.1 | 101.9 | 47.4 | 73.2 | 90.6 |
| 15° | 217.7 | 215.9 | 217.7 | 220.7 | 176.3 | 122.9 | 179.3 | 175.1 | 175.1 | 128.9 | 176.9 |
| 17.5° | 220.1 | 217.7 | 218.9 | 223.1 | 216.5 | 254.3 | 239.9 | 248.3 | 248.3 | 183.5 | 195.5 |
| 20° | 325.0 | 324.4 | 329.2 | 241.1 | 269.3 | 315.4 | 261.5 | 320.8 | 326.8 | 272.9 | 282.4 |
| 22.5° | 331.6 | 331.0 | 338.8 | 337.6 | 330.4 | 338.8 | 382.6 | 351.4 | 353.2 | 412.6 | 373.0 |
| 25° | 461.7 | 451.0 | 365.8 | 359.2 | 434.2 | 402.4 | 458.7 | 423.4 | 419.8 | 498.9 | 473.1 |
| 27.5° | 528.3 | 523.5 | 528.9 | 512.7 | 459.9 | 493.5 | 496.5 | 545.1 | 520.5 | 571.5 | 582.9 |
| 30° | 642.2 | 645.2 | 618.3 | 591.3 | 602.7 | 572.7 | 597.3 | 662.6 | 659.6 | 647.6 | 735.2 |
| 32.5° | 1025.4 | 994.3 | 941.5 | 732.8 | 686.6 | 665.0 | 733.4 | 807.2 | 777.2 | 821.5 | 909.1 |
| 35° | 1357.1 | 1287.5 | 1199.9 | 1051.2 | 852.7 | 795.2 | 878.5 | 951.1 | 932.5 | 1021.8 | 1016.4 |
| 37.5° | 1910.0 | 1877.6 | 1725.9 | 1346.3 | 1148.4 | 991.9 | 1032.0 | 1049.4 | 1071.0 | 1173.0 | 1170.6 |
| 40° | 2236.8 | 2199.6 | 2092.3 | 1791.8 | 1449.4 | 1230.5 | 1213.1 | 1222.1 | 1229.3 | 1331.9 | 1339.1 |
| 42.5° | 2511.4 | 2494.6 | 2390.3 | 2102.4 | 1822.4 | 1617.3 | 1454.8 | 1419.4 | 1432.6 | 1536.4 | 1522.6 |
| 45° | 2697.9 | 2678.1 | 2584.0 | 2383.1 | 2151.0 | 2045.5 | 1735.4 | 1666.5 | 1670.1 | 1727.7 | 1716.9 |
| 47.5° | 2738.7 | 2715.3 | 2673.3 | 2561.8 | 2483.2 | 2397.5 | 2086.9 | 1905.2 | 1945.9 | 1948.9 | 1912.4 |
| 50° | 2593.6 | 2564.8 | 2600.2 | 2573.8 | 2693.7 | 2736.9 | 2442.5 | 2183.4 | 2253.6 | 2189.4 | 2088.1 |
| 52.5° | 2234.4 | 2243.4 | 2352.5 | 2432.3 | 2701.5 | 2974.4 | 2824.4 | 2502.4 | 2549.8 | 2387.9 | 2254.2 |
| 55° | 1774.4 | 1796.6 | 1977.1 | 2123.4 | 2518.0 | 3040.9 | 3100.9 | 2798.1 | 2816.7 | 2599.0 | 2388.5 |
| 57.5° | 1306.7 | 1336.7 | 1558.5 | 1721.7 | 2162.4 | 2897.6 | 3236.4 | 3049.3 | 3085.9 | 2751.3 | 2482.0 |
| 60° | 804.2 | 831.7 | 1083.0 | 1331.3 | 1659.9 | 2485.6 | 3254.4 | 3237.6 | 3279.6 | 2858.6 | 2576.2 |
| 62.5° | 489.9 | 513.3 | 623.1 | 924.7 | 1192.7 | 1878.8 | 3104.5 | 3382.1 | 3403.1 | 2967.2 | 2643.9 |
| 65° | 301.6 | 297.4 | 341.8 | 561.9 | 795.8 | 1161.6 | 2725.5 | 3447.5 | 3445.1 | 3032.5 | 2689.5 |
| 67.5° | 199.7 | 203.3 | 220.1 | 308.8 | 542.1 | 627.9 | 1954.3 | 3319.2 | 3307.2 | 3064.3 | 2671.5 |
| 70° | 176.9 | 178.1 | 194.9 | 218.9 | 390.4 | 365.8 | 986.5 | 2857.4 | 2840.6 | 2978.6 | 2559.4 |
| 72.5° | 138.5 | 142.7 | 170.3 | 198.5 | 281.8 | 268.1 | 371.8 | 2023.9 | 2045.5 | 2531.8 | 2252.4 |
| 75° | 98.3 | 101.3 | 128.9 | 173.3 | 210.5 | 205.1 | 209.9 | 1043.4 | 1107.0 | 1680.9 | 1650.3 |
| 77.5° | 61.8 | 64.2 | 83.4 | 128.3 | 178.7 | 151.1 | 146.9 | 409.6 | 458.7 | 822.1 | 825.7 |
| 80° | 42.6 | 43.2 | 51.6 | 86.4 | 128.3 | 124.1 | 99.5 | 163.7 | 165.5 | 298.0 | 286.0 |
| 82.5° | 25.2 | 25.2 | 34.2 | 53.4 | 78.6 | 101.3 | 64.2 | 82.2 | 85.2 | 110.3 | 63.0 |
| 85° | 9.0 | 9.6 | 18.6 | 30.6 | 43.8 | 53.4 | 38.4 | 45.0 | 46.8 | 57.0 | 30.0 |
| 87.5° | 0.6 | 1.2 | 6.0 | 9.6 | 12.0 | 10.8 | 12.6 | 13.8 | 15.6 | 18.6 | 10.8 |
| 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° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 2.5° | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 5° | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 1.2 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 7.5° | 1.2 | 1.2 | 1.8 | 1.8 | 1.8 | 1.2 | 16.8 | 93.5 | 97.7 | 100.7 | 101.3 |
| 10° | 3.6 | 2.4 | 1.8 | 1.8 | 1.8 | 97.1 | 100.7 | 98.3 | 96.5 | 94.7 | 95.3 |
| 12.5° | 91.7 | 91.7 | 83.4 | 54.0 | 90.6 | 99.5 | 94.1 | 88.2 | 83.4 | 78.0 | 78.6 |
| 15° | 176.3 | 175.1 | 154.7 | 133.1 | 152.3 | 97.7 | 81.0 | 107.3 | 91.7 | 81.0 | 79.2 |
| 17.5° | 196.1 | 190.1 | 166.1 | 212.3 | 188.9 | 111.5 | 93.5 | 63.6 | 45.6 | 41.4 | 40.8 |
| 20° | 282.4 | 274.6 | 242.3 | 257.3 | 172.7 | 128.9 | 56.4 | 36.0 | 32.4 | 39.0 | 40.2 |
| 22.5° | 363.4 | 352.6 | 302.8 | 266.3 | 194.3 | 79.2 | 39.6 | 39.6 | 39.0 | 37.8 | 37.2 |
| 25° | 467.1 | 448.0 | 406.0 | 278.8 | 154.1 | 52.2 | 43.2 | 35.4 | 31.8 | 29.4 | 29.4 |
| 27.5° | 573.9 | 548.1 | 465.3 | 296.8 | 101.3 | 48.6 | 38.4 | 30.0 | 31.8 | 30.6 | 30.6 |
| 30° | 729.8 | 694.4 | 542.1 | 277.6 | 66.0 | 45.0 | 32.4 | 29.4 | 25.8 | 24.6 | 24.0 |
| 32.5° | 891.1 | 826.3 | 617.7 | 241.7 | 52.2 | 38.4 | 30.0 | 24.0 | 23.4 | 24.0 | 24.0 |
| 35° | 994.3 | 933.7 | 699.2 | 175.7 | 45.6 | 33.6 | 24.6 | 22.2 | 20.4 | 19.8 | 19.8 |
| 37.5° | 1117.8 | 1042.8 | 706.4 | 113.9 | 39.6 | 27.6 | 21.0 | 18.6 | 18.6 | 19.2 | 19.2 |
| 40° | 1265.9 | 1183.8 | 677.6 | 70.2 | 34.2 | 22.8 | 18.0 | 16.8 | 16.2 | 16.2 | 16.2 |
| 42.5° | 1432.0 | 1328.3 | 637.5 | 52.8 | 28.8 | 19.2 | 15.0 | 14.4 | 13.8 | 13.8 | 13.8 |
| 45° | 1609.5 | 1474.0 | 582.3 | 43.8 | 24.0 | 16.2 | 12.6 | 12.0 | 12.0 | 11.4 | 11.4 |
| 47.5° | 1793.6 | 1629.9 | 498.9 | 38.4 | 19.8 | 13.2 | 10.8 | 10.2 | 9.6 | 9.6 | 9.6 |
| 50° | 1951.3 | 1772.6 | 397.0 | 33.0 | 16.8 | 11.4 | 8.4 | 7.8 | 7.8 | 7.2 | 7.2 |
| 52.5° | 2094.7 | 1893.8 | 314.8 | 28.2 | 13.8 | 9.0 | 6.6 | 6.0 | 6.0 | 5.4 | 5.4 |
| 55° | 2205.0 | 1983.7 | 235.1 | 23.4 | 11.4 | 7.2 | 4.8 | 4.2 | 4.2 | 3.6 | 4.2 |
| 57.5° | 2297.9 | 2038.9 | 178.1 | 19.2 | 9.6 | 5.4 | 3.6 | 3.0 | 2.4 | 2.4 | 2.4 |
| 60° | 2386.1 | 2083.3 | 131.3 | 15.0 | 7.8 | 4.2 | 2.4 | 1.8 | 1.2 | 1.2 | 1.2 |
| 62.5° | 2480.8 | 2122.8 | 103.7 | 12.0 | 6.6 | 3.0 | 1.2 | 1.2 | 0.0 | 0.0 | 0.0 |
| 65° | 2552.2 | 2147.4 | 80.4 | 9.6 | 5.4 | 1.8 | 1.2 | 0.6 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2554.6 | 2116.2 | 63.0 | 7.8 | 4.8 | 1.8 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 2462.8 | 1983.7 | 46.8 | 7.2 | 4.2 | 1.8 | 1.2 | 0.6 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2134.2 | 1557.3 | 33.6 | 6.0 | 3.6 | 1.8 | 1.2 | 0.6 | 0.6 | 0.0 | 0.0 |
| 75° | 1543.6 | 920.5 | 23.4 | 5.4 | 3.6 | 1.8 | 1.8 | 1.2 | 1.2 | 1.2 | 0.0 |
| 77.5° | 791.6 | 382.6 | 15.6 | 4.8 | 3.0 | 1.2 | 2.4 | 1.8 | 1.8 | 1.8 | 0.6 |
| 80° | 232.1 | 131.9 | 9.6 | 4.2 | 3.0 | 1.2 | 2.4 | 2.4 | 2.4 | 2.4 | 0.6 |
| 82.5° | 44.4 | 25.8 | 6.0 | 4.2 | 3.0 | 1.2 | 2.4 | 2.4 | 2.4 | 3.0 | 0.0 |
| 85° | 17.4 | 10.2 | 4.2 | 3.6 | 3.0 | 1.2 | 2.4 | 2.4 | 3.0 | 3.0 | 0.0 |
| 87.5° | 6.0 | 4.8 | 3.6 | 3.0 | 3.0 | 1.2 | 2.4 | 2.4 | 2.4 | 3.0 | 0.6 |
| 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)