

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: P415707

Luminaire Tested: **LXF.LXT-PA1-50-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS 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: 4322 lumens
Efficiency: N/A
Efficacy: 80.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

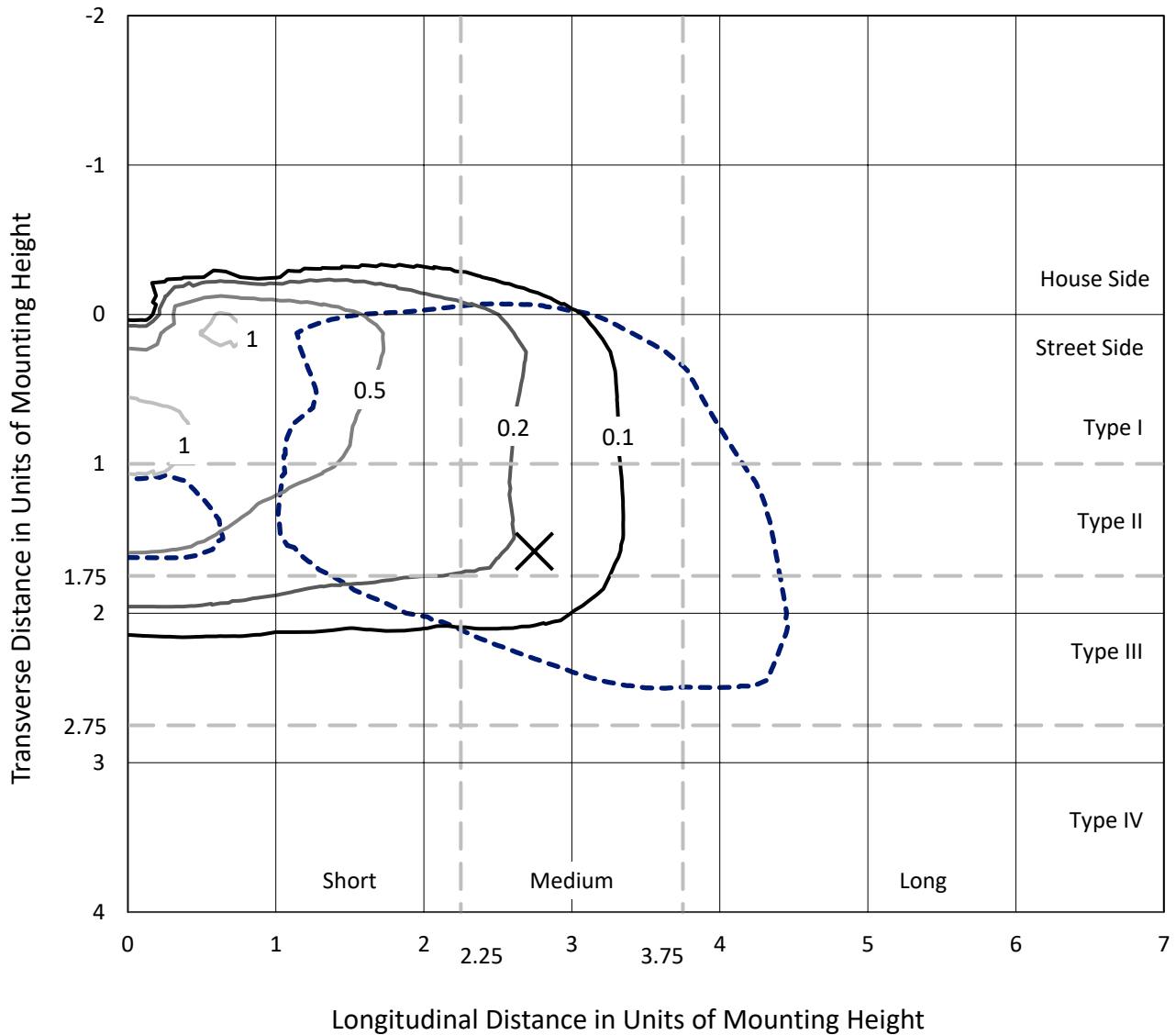
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

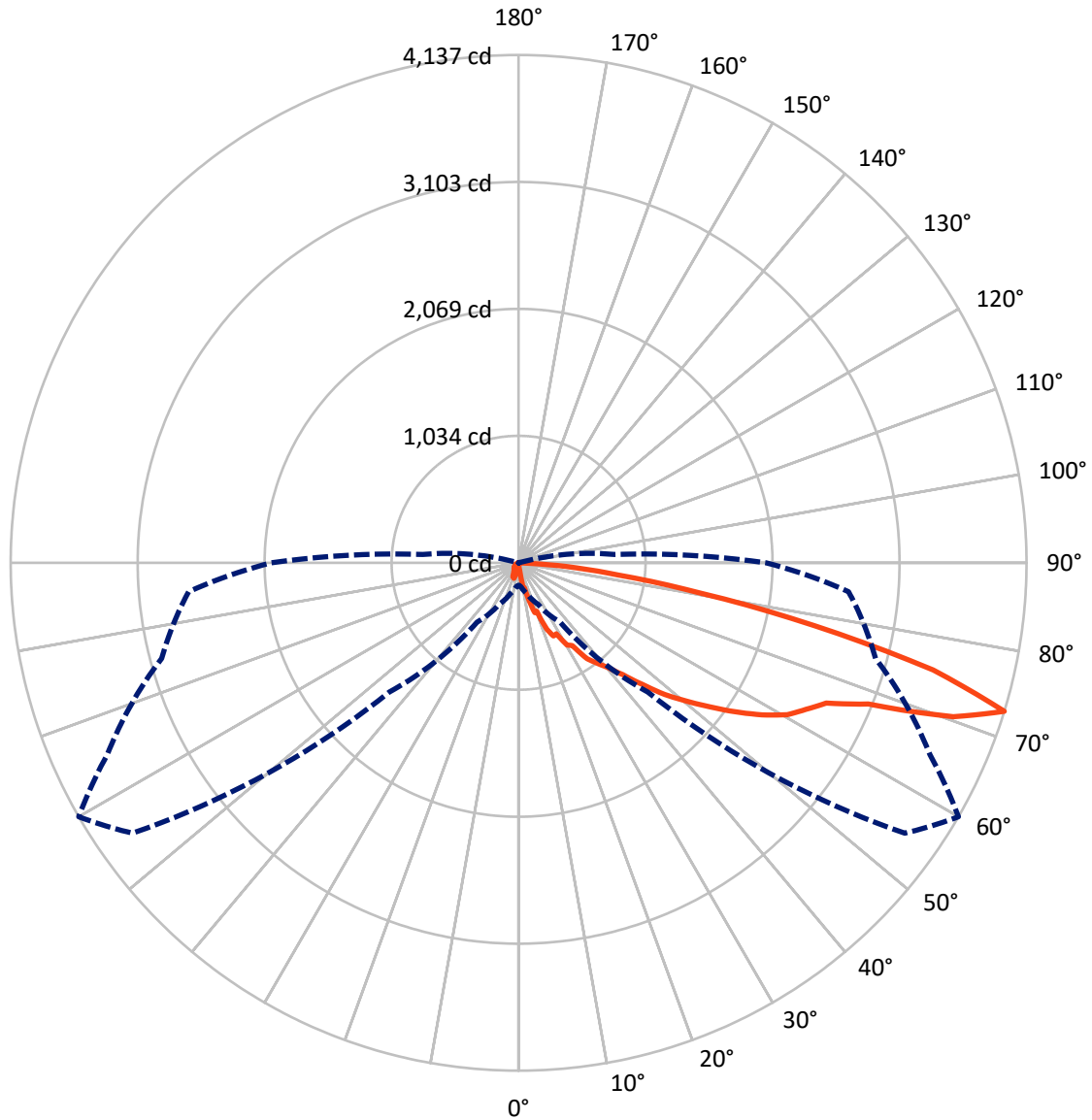
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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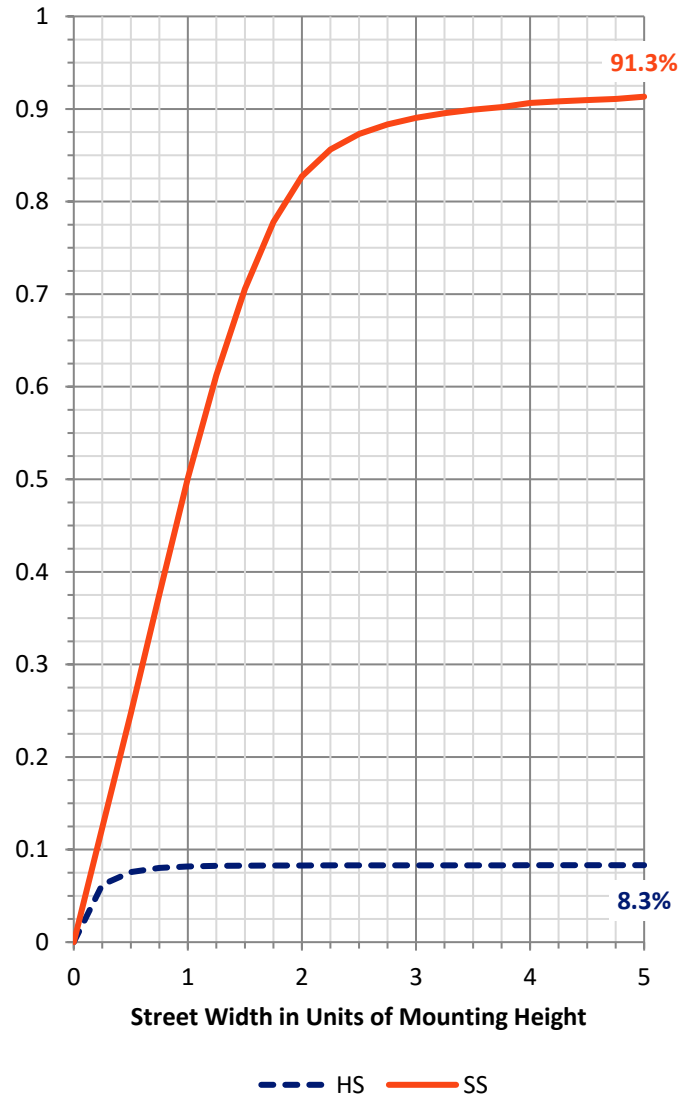
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 362.5 | 0.0 | 362.5 |
| | % Fixture | 8.4 | 0.0 | 8.4 |
| Street Side | Lumens | 3959.5 | 0.0 | 3959.5 |
| | % Fixture | 91.6 | 0.0 | 91.6 |
| Total | Lumens | 4322.0 | 0.0 | 4322.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.8 | 0.1 |
| 10°-20° | 60.2 | 1.4 |
| 20°-30° | 188.2 | 4.4 |
| 30°-40° | 405.9 | 9.4 |
| 40°-50° | 690.0 | 16.0 |
| 50°-60° | 1020.1 | 23.6 |
| 60°-70° | 1109.7 | 25.7 |
| 70°-80° | 756.3 | 17.5 |
| 80°-90° | 85.8 | 2.0 |
| 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° | 4322.0 | 100.0 |
| 0°-180° | 4322.0 | 100.0 |

Coefficient of Utilization



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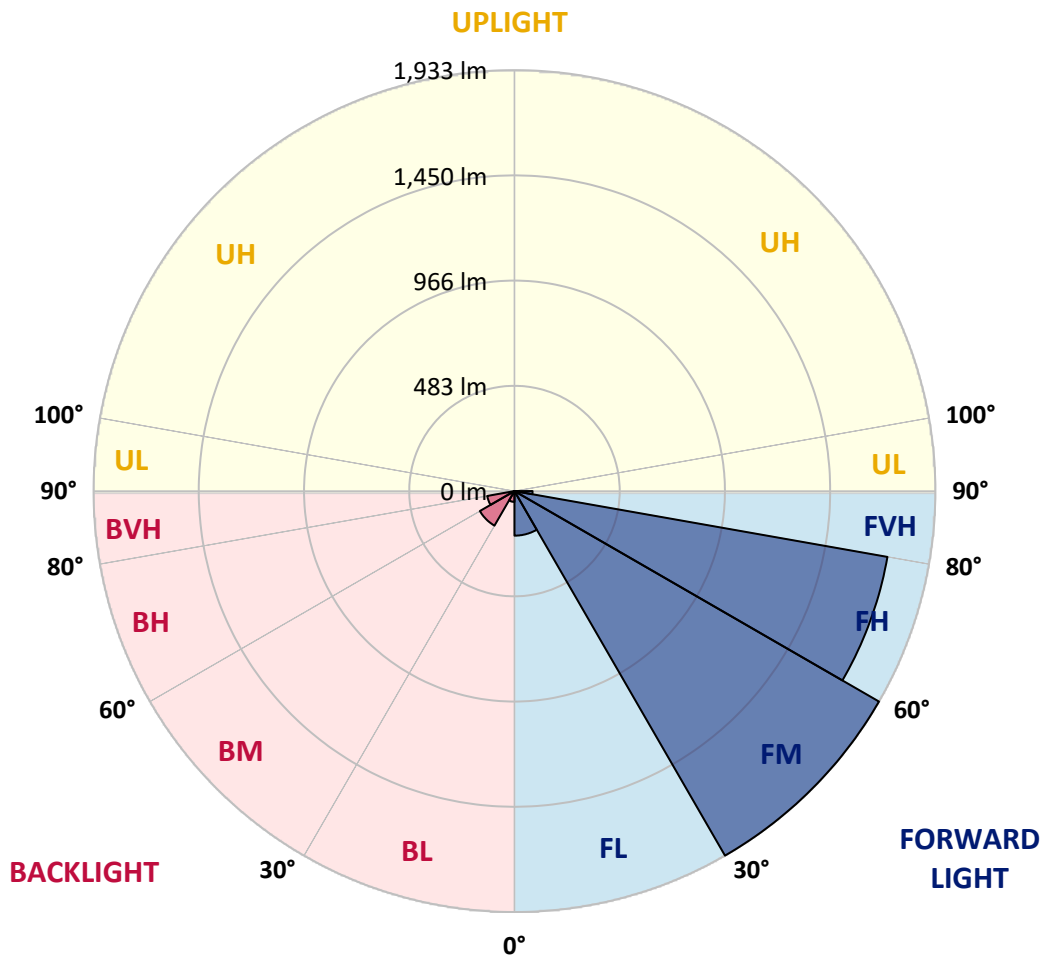
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 204.7 | 4.7 | | | |
| FM (30°-60°) | 1932.7 | 44.7 | | | |
| FH (60°-80°) | 1738.9 | 40.2 | | | G1/1800 |
| FVH (80°-90°) | 83.2 | 1.9 | | | G1/100 |
| BL (0°-30°) | 49.5 | 1.1 | B0/110 | | |
| BM (30°-60°) | 183.3 | 4.2 | B0/220 | | |
| BH (60°-80°) | 127.0 | 2.9 | B1/500 | | G1/500 |
| BVH (80°-90°) | 2.6 | 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 III Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 2.5° | 3.9 | 2.8 | 2.8 | 2.2 | 1.7 | 1.7 | 1.7 | 2.2 | 2.2 | 1.7 | 2.2 |
| 5° | 221.1 | 218.3 | 218.3 | 219.4 | 142.5 | 24.1 | 13.5 | 5.6 | 2.2 | 2.2 | 2.2 |
| 7.5° | 209.9 | 207.6 | 208.7 | 211.5 | 213.2 | 216.0 | 216.0 | 66.2 | 21.3 | 2.2 | 2.2 |
| 10° | 214.9 | 213.2 | 204.2 | 202.6 | 205.9 | 208.7 | 209.9 | 214.9 | 208.7 | 6.2 | 2.2 |
| 12.5° | 378.2 | 375.4 | 375.4 | 380.4 | 221.1 | 202.0 | 204.2 | 209.3 | 180.7 | 23.6 | 12.9 |
| 15° | 361.9 | 359.7 | 360.2 | 366.4 | 374.8 | 266.0 | 209.9 | 310.9 | 398.9 | 360.2 | 286.2 |
| 17.5° | 505.0 | 434.9 | 375.9 | 358.0 | 359.7 | 371.5 | 406.8 | 427.6 | 405.7 | 410.2 | 312.0 |
| 20° | 515.7 | 511.7 | 509.5 | 513.4 | 368.1 | 489.8 | 517.3 | 419.7 | 408.5 | 439.3 | 575.7 |
| 22.5° | 533.6 | 524.6 | 506.7 | 504.4 | 566.7 | 482.5 | 501.1 | 586.9 | 602.6 | 643.6 | 599.3 |
| 25° | 722.7 | 716.0 | 697.5 | 530.8 | 581.3 | 554.4 | 631.8 | 660.4 | 650.9 | 677.8 | 649.8 |
| 27.5° | 794.0 | 781.1 | 741.2 | 689.0 | 617.2 | 653.7 | 639.1 | 654.8 | 718.8 | 933.7 | 916.3 |
| 30° | 1112.7 | 1078.4 | 968.5 | 793.4 | 733.9 | 680.6 | 743.5 | 776.6 | 830.4 | 955.6 | 939.3 |
| 32.5° | 1209.2 | 1172.7 | 1093.0 | 1010.0 | 869.7 | 771.5 | 818.1 | 803.5 | 842.2 | 1166.0 | 1233.3 |
| 35° | 1490.3 | 1473.5 | 1329.8 | 1099.2 | 1063.3 | 910.1 | 859.0 | 959.5 | 1016.7 | 1182.2 | 1296.1 |
| 37.5° | 1493.7 | 1494.8 | 1486.4 | 1330.4 | 1166.0 | 1022.9 | 1032.4 | 1036.4 | 1080.7 | 1259.7 | 1369.1 |
| 40° | 1541.4 | 1549.2 | 1570.0 | 1452.1 | 1313.5 | 1186.2 | 1160.9 | 1121.6 | 1160.9 | 1346.6 | 1469.0 |
| 42.5° | 1641.2 | 1646.8 | 1692.8 | 1570.0 | 1430.3 | 1313.5 | 1326.4 | 1246.2 | 1274.8 | 1511.1 | 1604.8 |
| 45° | 1816.9 | 1813.5 | 1871.3 | 1694.0 | 1539.1 | 1458.9 | 1473.5 | 1411.7 | 1394.3 | 1645.7 | 1764.1 |
| 47.5° | 2015.5 | 2027.8 | 2025.6 | 1830.9 | 1647.4 | 1594.1 | 1636.2 | 1603.1 | 1534.6 | 1817.4 | 1949.8 |
| 50° | 2203.5 | 2199.5 | 2141.2 | 1908.3 | 1743.9 | 1726.5 | 1823.6 | 1769.2 | 1706.9 | 1991.9 | 2128.8 |
| 52.5° | 2271.9 | 2275.3 | 2205.7 | 1954.9 | 1826.4 | 1857.8 | 2003.1 | 1948.2 | 1867.4 | 2116.5 | 2306.7 |
| 55° | 2259.6 | 2264.1 | 2224.8 | 2002.6 | 1888.1 | 1980.7 | 2189.4 | 2142.3 | 2051.4 | 2251.7 | 2440.2 |
| 57.5° | 2144.0 | 2144.0 | 2176.0 | 2032.3 | 1948.2 | 2090.7 | 2355.5 | 2336.4 | 2224.2 | 2363.9 | 2519.9 |
| 60° | 1848.8 | 1880.3 | 1980.7 | 1996.4 | 2018.8 | 2209.6 | 2519.9 | 2513.7 | 2377.4 | 2468.9 | 2567.0 |
| 62.5° | 1421.8 | 1431.9 | 1654.1 | 1822.5 | 2024.5 | 2369.5 | 2658.5 | 2628.8 | 2490.7 | 2500.8 | 2600.2 |
| 65° | 806.3 | 852.3 | 1057.7 | 1483.0 | 1909.4 | 2536.7 | 2881.3 | 2753.9 | 2590.1 | 2539.0 | 2721.9 |
| 67.5° | 434.3 | 451.1 | 565.6 | 897.8 | 1564.9 | 2555.3 | 3386.3 | 3071.5 | 2825.7 | 2739.9 | 2960.4 |
| 70° | 280.6 | 298.5 | 360.2 | 493.2 | 981.4 | 2259.6 | 3861.5 | 3755.5 | 3312.2 | 3014.8 | 2996.9 |
| 72.5° | 182.4 | 193.0 | 259.8 | 371.5 | 590.3 | 1488.6 | 3839.6 | 4137.0 | 3696.5 | 3009.8 | 2697.8 |
| 75° | 74.1 | 81.4 | 130.2 | 309.2 | 498.8 | 729.4 | 2945.8 | 3488.4 | 3470.4 | 2674.8 | 2087.9 |
| 77.5° | 37.0 | 39.3 | 57.8 | 167.2 | 442.7 | 505.0 | 1864.0 | 2460.4 | 2470.5 | 1949.8 | 1160.9 |
| 80° | 24.1 | 23.6 | 33.1 | 78.6 | 301.9 | 459.5 | 1042.5 | 1511.6 | 1413.4 | 739.5 | 325.4 |
| 82.5° | 9.5 | 10.1 | 18.0 | 44.9 | 126.2 | 415.8 | 594.8 | 813.6 | 636.3 | 144.2 | 93.7 |
| 85° | 1.7 | 1.7 | 5.6 | 24.1 | 39.8 | 190.2 | 383.8 | 393.9 | 261.5 | 45.4 | 47.1 |
| 87.5° | 0.6 | 0.6 | 1.1 | 1.7 | 2.8 | 4.5 | 16.8 | 7.9 | 5.0 | 7.9 | 9.0 |
| 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° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 2.5° | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 1.1 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 |
| 5° | 2.2 | 2.2 | 2.2 | 1.7 | 1.7 | 0.6 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 |
| 7.5° | 2.2 | 2.2 | 2.2 | 1.7 | 1.1 | 0.6 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 |
| 10° | 2.2 | 2.2 | 2.2 | 1.7 | 1.1 | 0.6 | 16.3 | 103.8 | 107.2 | 107.7 | 106.6 |
| 12.5° | 14.0 | 14.6 | 7.9 | 1.7 | 1.1 | 96.5 | 95.9 | 80.2 | 70.1 | 66.2 | 61.2 |
| 15° | 304.7 | 289.5 | 239.6 | 141.4 | 78.0 | 79.1 | 58.4 | 43.2 | 34.8 | 32.5 | 31.4 |
| 17.5° | 301.9 | 280.0 | 220.5 | 129.1 | 135.8 | 59.5 | 31.4 | 34.8 | 45.4 | 46.0 | 46.0 |
| 20° | 567.3 | 497.7 | 215.5 | 144.2 | 91.5 | 51.6 | 41.0 | 43.2 | 43.2 | 43.8 | 43.2 |
| 22.5° | 591.4 | 521.8 | 322.6 | 184.0 | 65.6 | 54.4 | 46.6 | 40.4 | 41.5 | 53.9 | 52.2 |
| 25° | 596.5 | 511.7 | 299.1 | 144.2 | 63.4 | 54.4 | 51.1 | 49.4 | 55.5 | 55.5 | 56.1 |
| 27.5° | 859.6 | 719.3 | 362.5 | 108.3 | 62.8 | 56.7 | 56.7 | 51.6 | 49.9 | 49.4 | 49.9 |
| 30° | 857.9 | 694.6 | 309.2 | 91.5 | 60.6 | 56.1 | 51.1 | 46.0 | 55.5 | 56.1 | 56.1 |
| 32.5° | 1126.1 | 888.2 | 299.1 | 74.1 | 60.6 | 51.6 | 44.9 | 47.7 | 44.3 | 44.3 | 44.3 |
| 35° | 1141.8 | 865.8 | 235.7 | 76.9 | 53.9 | 47.1 | 43.8 | 37.0 | 39.3 | 39.8 | 38.7 |
| 37.5° | 1172.1 | 850.1 | 179.0 | 69.6 | 53.9 | 43.8 | 35.9 | 33.1 | 30.9 | 30.3 | 30.3 |
| 40° | 1226.6 | 851.2 | 138.0 | 64.0 | 50.5 | 39.8 | 32.0 | 26.9 | 28.1 | 28.1 | 27.5 |
| 42.5° | 1307.9 | 867.5 | 108.3 | 58.9 | 45.4 | 35.3 | 26.9 | 24.1 | 22.4 | 22.4 | 21.9 |
| 45° | 1415.7 | 902.3 | 88.7 | 55.0 | 41.5 | 30.3 | 21.9 | 19.6 | 18.0 | 18.0 | 17.4 |
| 47.5° | 1549.2 | 951.1 | 77.4 | 51.1 | 37.0 | 25.2 | 18.0 | 15.7 | 14.6 | 14.0 | 14.0 |
| 50° | 1691.7 | 1009.4 | 71.3 | 47.7 | 32.0 | 20.2 | 14.6 | 12.3 | 11.2 | 11.2 | 10.7 |
| 52.5° | 1839.3 | 1076.2 | 66.2 | 45.4 | 27.5 | 16.8 | 11.2 | 9.0 | 8.4 | 7.9 | 8.4 |
| 55° | 1958.8 | 1116.6 | 62.8 | 44.9 | 23.0 | 13.5 | 8.4 | 6.7 | 6.2 | 5.6 | 5.6 |
| 57.5° | 2037.4 | 1138.5 | 58.4 | 41.5 | 18.5 | 10.1 | 6.2 | 4.5 | 3.9 | 3.9 | 3.9 |
| 60° | 2099.1 | 1150.8 | 52.7 | 33.1 | 14.6 | 7.3 | 3.9 | 2.8 | 2.8 | 2.8 | 2.8 |
| 62.5° | 2147.9 | 1159.2 | 44.3 | 25.8 | 11.2 | 5.0 | 2.8 | 1.7 | 1.7 | 1.7 | 1.7 |
| 65° | 2292.7 | 1208.6 | 34.2 | 19.6 | 8.4 | 3.4 | 1.7 | 1.1 | 0.6 | 1.1 | 1.1 |
| 67.5° | 2468.9 | 1229.4 | 25.2 | 14.0 | 6.2 | 2.2 | 1.1 | 0.6 | 0.6 | 0.6 | 1.1 |
| 70° | 2399.3 | 1071.1 | 18.5 | 10.1 | 4.5 | 1.7 | 1.1 | 0.6 | 0.6 | 0.6 | 1.1 |
| 72.5° | 2016.0 | 782.7 | 13.5 | 7.3 | 3.4 | 1.7 | 1.1 | 0.6 | 0.6 | 1.1 | 1.1 |
| 75° | 1449.9 | 441.6 | 10.7 | 5.0 | 2.8 | 1.7 | 1.1 | 1.1 | 1.1 | 1.7 | 1.7 |
| 77.5° | 682.3 | 164.4 | 10.7 | 4.5 | 2.8 | 1.7 | 1.1 | 1.1 | 1.7 | 2.2 | 1.1 |
| 80° | 165.5 | 41.0 | 10.7 | 3.9 | 2.8 | 1.7 | 1.7 | 1.7 | 2.2 | 2.2 | 1.1 |
| 82.5° | 55.5 | 17.4 | 7.9 | 3.4 | 2.8 | 1.7 | 1.7 | 2.2 | 2.2 | 2.8 | 1.7 |
| 85° | 33.7 | 11.2 | 5.6 | 3.9 | 3.4 | 1.7 | 2.2 | 2.2 | 2.8 | 3.4 | 1.7 |
| 87.5° | 5.6 | 4.5 | 3.9 | 3.9 | 3.4 | 2.2 | 2.2 | 2.8 | 2.8 | 3.4 | 2.2 |
| 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)