

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: P414783

Luminaire Tested: **LXF.LXT-PA1-30-760-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414783
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-760-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3854 lumens
Efficiency: N/A
Efficacy: 124.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

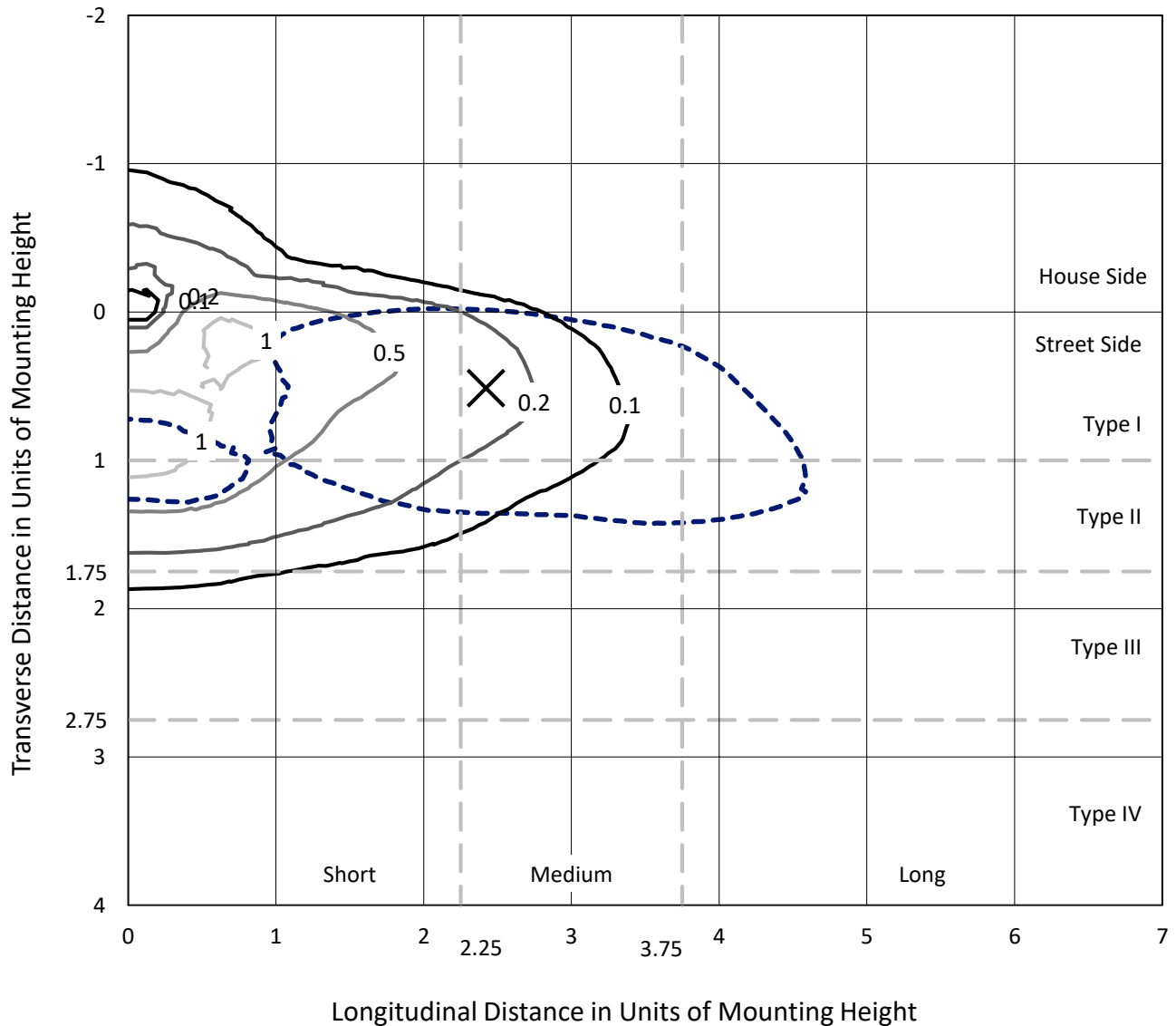
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

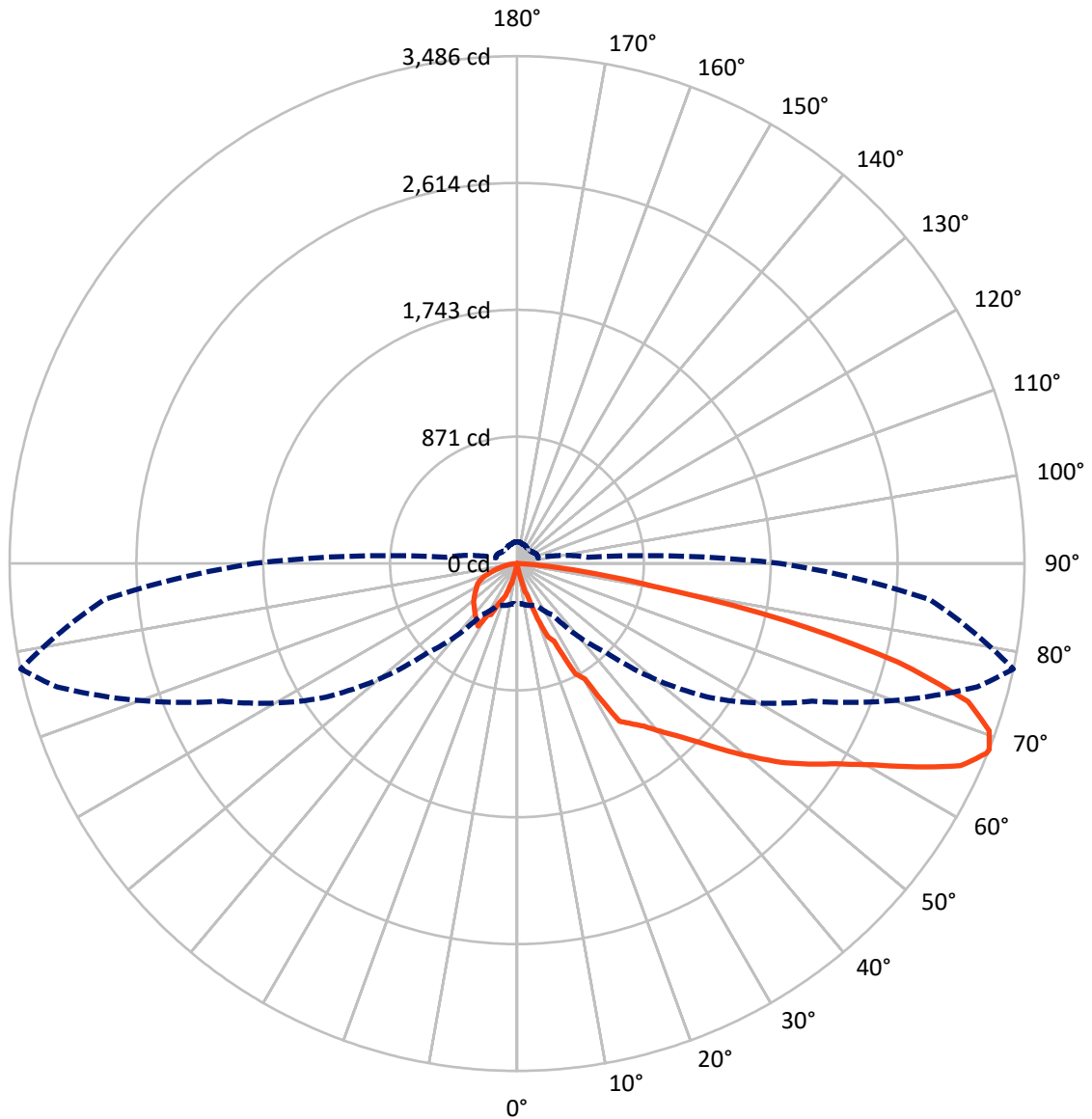
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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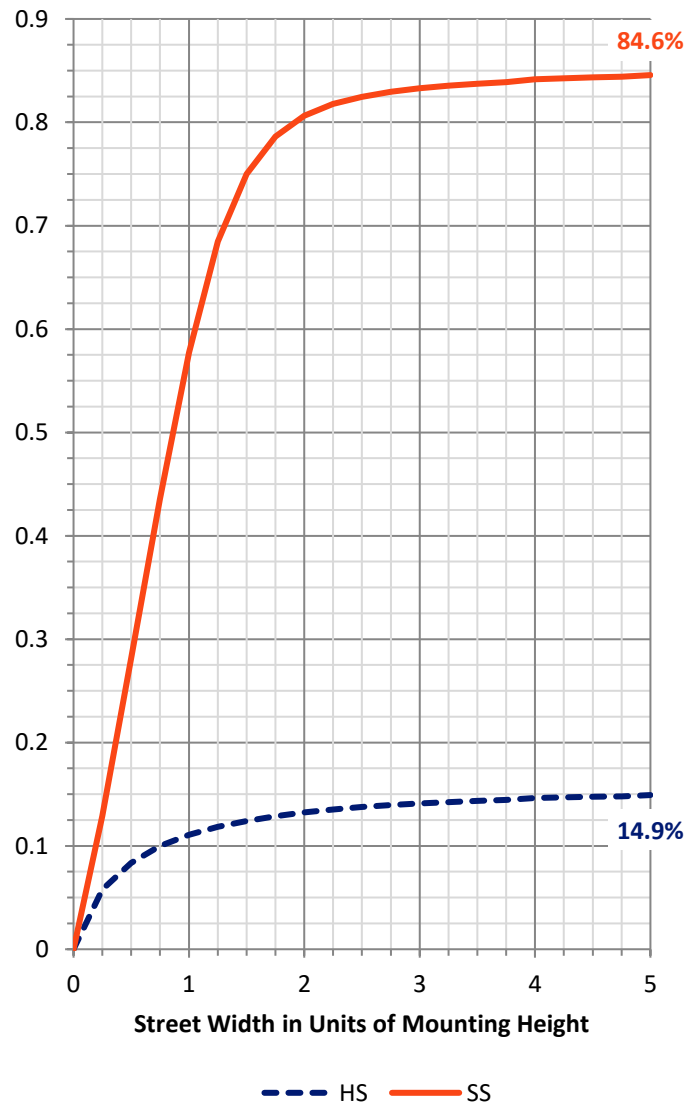
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 585.1 | 0.0 | 585.1 |
| | % Fixture | 15.2 | 0.0 | 15.2 |
| Street Side | Lumens | 3268.9 | 0.0 | 3268.9 |
| | % Fixture | 84.8 | 0.0 | 84.8 |
| Total | Lumens | 3854.0 | 0.0 | 3854.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.8 | 0.1 |
| 10°-20° | 55.9 | 1.4 |
| 20°-30° | 212.7 | 5.5 |
| 30°-40° | 496.6 | 12.9 |
| 40°-50° | 775.2 | 20.1 |
| 50°-60° | 889.9 | 23.1 |
| 60°-70° | 826.9 | 21.5 |
| 70°-80° | 510.9 | 13.3 |
| 80°-90° | 82.3 | 2.1 |
| 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° | 3854.0 | 100.0 |
| 0°-180° | 3854.0 | 100.0 |



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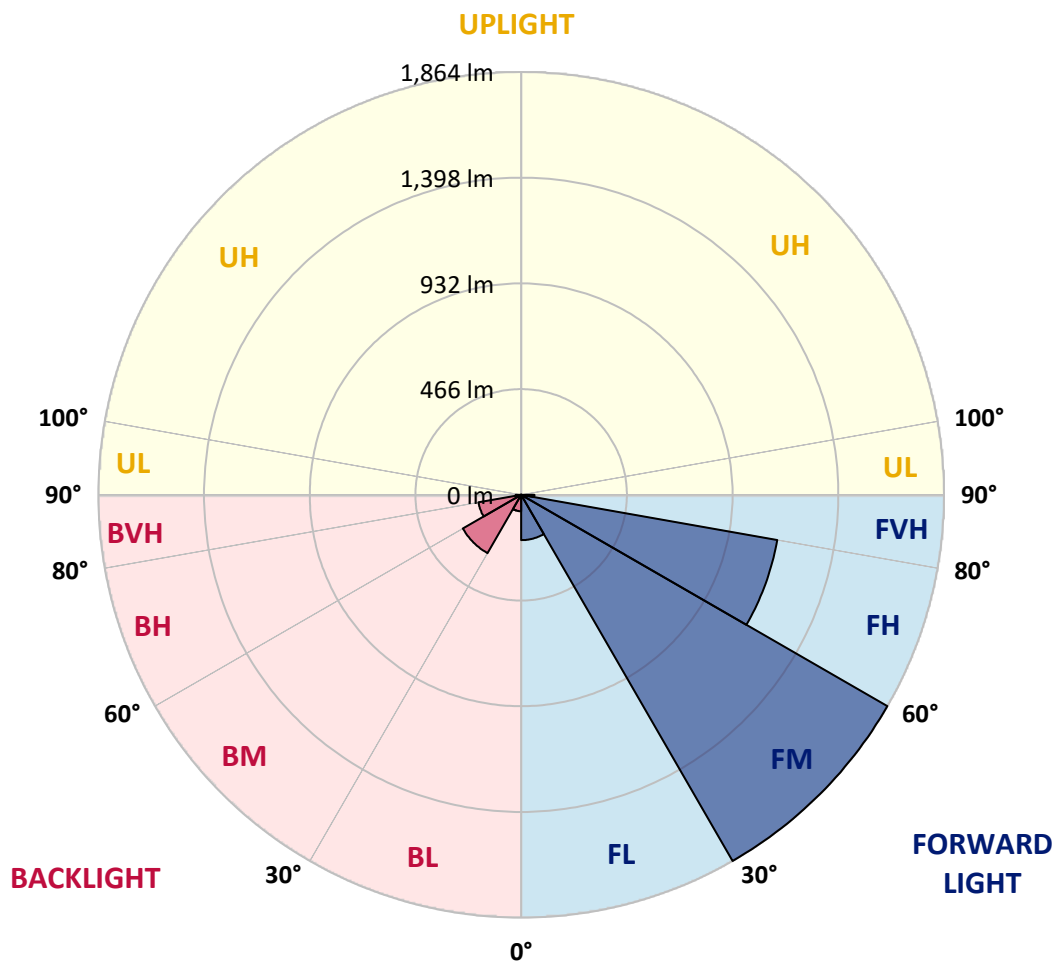
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 199.8 | 5.2 | | | |
| FM (30°-60°) | 1864.3 | 48.4 | | | |
| FH (60°-80°) | 1146.5 | 29.7 | | | G1/1800 |
| FVH (80°-90°) | 58.2 | 1.5 | | | G1/100 |
| BL (0°-30°) | 72.5 | 1.9 | B0/110 | | |
| BM (30°-60°) | 297.3 | 7.7 | B1/1000 | | |
| BH (60°-80°) | 191.3 | 5.0 | B1/500 | | G1/500 |
| BVH (80°-90°) | 24.1 | 0.6 | | | G1/100 |
| 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 Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 78° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 3.0 | 3.0 | 3.4 | 3.8 | 4.7 | 4.2 | 3.0 | 2.1 | 1.7 | 1.7 | 1.7 |
| 5° | 136.6 | 125.6 | 70.2 | 36.4 | 12.7 | 7.6 | 3.8 | 3.0 | 2.1 | 2.1 | 1.7 |
| 7.5° | 154.3 | 153.5 | 152.2 | 150.9 | 148.8 | 140.8 | 14.8 | 4.2 | 2.5 | 2.5 | 1.7 |
| 10° | 166.6 | 165.3 | 164.5 | 163.6 | 160.7 | 156.4 | 149.3 | 13.1 | 4.7 | 4.2 | 3.8 |
| 12.5° | 323.5 | 322.6 | 321.3 | 205.5 | 174.2 | 169.6 | 163.2 | 116.7 | 13.5 | 20.3 | 61.3 |
| 15° | 322.6 | 321.3 | 325.2 | 331.9 | 337.4 | 185.6 | 187.3 | 327.7 | 203.0 | 194.9 | 207.6 |
| 17.5° | 336.6 | 334.9 | 330.7 | 335.3 | 345.5 | 388.2 | 367.0 | 354.8 | 238.9 | 227.9 | 221.6 |
| 20° | 493.4 | 493.4 | 498.5 | 494.3 | 358.6 | 496.0 | 469.8 | 381.0 | 431.7 | 405.9 | 377.6 |
| 22.5° | 522.2 | 520.1 | 520.9 | 529.4 | 622.4 | 514.2 | 518.4 | 587.7 | 600.0 | 548.0 | 469.8 |
| 25° | 742.5 | 742.1 | 712.9 | 559.4 | 656.2 | 619.9 | 716.3 | 628.7 | 650.7 | 589.4 | 576.3 |
| 27.5° | 835.5 | 836.4 | 812.7 | 791.5 | 693.4 | 803.8 | 760.2 | 827.9 | 924.3 | 858.8 | 738.3 |
| 30° | 1124.3 | 1113.3 | 927.3 | 906.5 | 848.6 | 847.3 | 920.5 | 977.6 | 950.5 | 919.7 | 824.5 |
| 32.5° | 1336.1 | 1325.1 | 1284.1 | 1140.8 | 1008.9 | 943.8 | 1057.5 | 1022.8 | 1240.2 | 1290.9 | 1118.0 |
| 35° | 1663.8 | 1660.0 | 1442.3 | 1294.3 | 1184.8 | 1141.2 | 1111.2 | 1246.1 | 1342.5 | 1350.1 | 1190.7 |
| 37.5° | 1915.4 | 1903.2 | 1775.5 | 1514.6 | 1333.6 | 1233.0 | 1304.4 | 1306.5 | 1454.5 | 1418.6 | 1304.4 |
| 40° | 2030.4 | 2022.8 | 1924.7 | 1679.9 | 1470.6 | 1356.9 | 1385.6 | 1397.9 | 1577.2 | 1515.0 | 1387.3 |
| 42.5° | 2117.9 | 2108.6 | 2046.5 | 1779.3 | 1591.1 | 1482.4 | 1469.3 | 1480.3 | 1696.0 | 1620.3 | 1476.1 |
| 45° | 2163.2 | 2157.7 | 2128.5 | 1849.9 | 1675.2 | 1562.4 | 1559.0 | 1553.0 | 1776.7 | 1750.1 | 1572.5 |
| 47.5° | 2137.8 | 2131.9 | 2145.0 | 1945.9 | 1727.7 | 1627.9 | 1642.3 | 1631.7 | 1869.3 | 1912.9 | 1677.4 |
| 50° | 1997.0 | 2002.5 | 2054.9 | 1949.7 | 1761.1 | 1681.2 | 1730.2 | 1704.0 | 1995.3 | 2084.5 | 1804.6 |
| 52.5° | 1589.4 | 1611.8 | 1833.8 | 1865.1 | 1764.5 | 1706.1 | 1809.3 | 1814.4 | 2151.8 | 2268.1 | 1972.1 |
| 55° | 1186.0 | 1217.7 | 1414.4 | 1658.8 | 1696.8 | 1707.0 | 1860.0 | 1915.4 | 2307.8 | 2431.3 | 2112.9 |
| 57.5° | 933.6 | 953.1 | 1078.2 | 1323.5 | 1533.6 | 1676.9 | 1912.0 | 1997.4 | 2452.8 | 2594.5 | 2251.1 |
| 60° | 746.3 | 734.5 | 816.1 | 1002.1 | 1278.2 | 1592.8 | 1934.9 | 2104.4 | 2633.4 | 2805.0 | 2413.9 |
| 62.5° | 539.5 | 540.4 | 602.5 | 708.7 | 1011.8 | 1426.6 | 1917.1 | 2208.0 | 2863.4 | 3077.3 | 2630.8 |
| 65° | 382.7 | 386.5 | 428.7 | 485.8 | 731.5 | 1198.3 | 1829.2 | 2278.6 | 3123.0 | 3349.6 | 2807.2 |
| 67.5° | 291.3 | 293.9 | 313.7 | 340.4 | 472.7 | 911.6 | 1648.6 | 2264.2 | 3265.5 | 3478.6 | 2858.3 |
| 68° | 279.5 | 275.3 | 297.7 | 317.1 | 435.1 | 864.3 | 1599.1 | 2235.5 | 3272.3 | 3485.8 | 2846.1 |
| 70° | 235.5 | 235.5 | 245.7 | 250.3 | 308.2 | 638.9 | 1356.9 | 2061.7 | 3248.2 | 3441.4 | 2753.0 |
| 72.5° | 196.6 | 195.3 | 201.3 | 197.5 | 217.8 | 418.2 | 985.6 | 1778.0 | 3076.1 | 3238.9 | 2476.1 |
| 75° | 163.6 | 163.6 | 164.5 | 161.5 | 167.0 | 280.3 | 640.6 | 1392.8 | 2717.5 | 2704.4 | 2015.2 |
| 77.5° | 139.5 | 136.2 | 135.3 | 131.1 | 135.7 | 203.8 | 392.8 | 991.1 | 1961.9 | 1891.3 | 1279.5 |
| 80° | 110.8 | 110.4 | 111.2 | 108.7 | 112.5 | 148.4 | 239.3 | 579.3 | 1068.5 | 940.4 | 596.6 |
| 82.5° | 68.5 | 75.3 | 82.9 | 82.9 | 94.7 | 104.9 | 145.0 | 309.9 | 518.0 | 455.4 | 253.3 |
| 85° | 22.4 | 27.5 | 48.6 | 50.3 | 60.9 | 49.0 | 83.3 | 99.8 | 172.9 | 154.3 | 48.6 |
| 87.5° | 0.8 | 1.3 | 3.8 | 5.9 | 5.5 | 3.4 | 5.9 | 4.7 | 9.7 | 7.2 | 7.6 |
| 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° | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 2.5° | 1.7 | 1.7 | 1.7 | 2.1 | 2.1 | 1.3 | 0.8 | 1.7 | 1.7 | 1.7 | 1.7 |
| 5° | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 | 1.7 | 2.1 | 3.0 | 3.4 | 3.4 | 3.4 |
| 7.5° | 1.7 | 1.7 | 1.7 | 2.5 | 2.5 | 3.0 | 4.2 | 25.4 | 58.4 | 63.8 | 63.0 |
| 10° | 3.4 | 3.0 | 3.4 | 3.8 | 4.7 | 54.1 | 71.0 | 74.8 | 76.5 | 77.8 | 77.4 |
| 12.5° | 81.2 | 72.7 | 13.5 | 7.6 | 51.2 | 76.1 | 77.4 | 80.3 | 83.3 | 84.6 | 84.6 |
| 15° | 190.3 | 170.4 | 130.2 | 98.1 | 87.5 | 81.2 | 82.5 | 108.2 | 147.1 | 150.9 | 151.4 |
| 17.5° | 202.1 | 177.2 | 136.2 | 150.1 | 154.8 | 120.5 | 132.3 | 148.8 | 150.5 | 150.9 | 150.9 |
| 20° | 381.0 | 319.2 | 193.7 | 158.1 | 157.7 | 201.7 | 141.2 | 145.5 | 148.0 | 168.3 | 170.8 |
| 22.5° | 412.3 | 342.1 | 232.6 | 224.5 | 170.0 | 201.7 | 184.8 | 179.7 | 196.6 | 194.9 | 196.2 |
| 25° | 518.4 | 410.6 | 244.8 | 225.4 | 238.1 | 195.3 | 216.9 | 178.9 | 181.8 | 181.0 | 181.0 |
| 27.5° | 659.2 | 518.0 | 342.1 | 252.4 | 231.3 | 225.8 | 200.8 | 172.1 | 206.3 | 207.2 | 207.2 |
| 30° | 698.1 | 532.8 | 342.1 | 272.7 | 240.6 | 222.0 | 185.6 | 203.4 | 192.0 | 188.6 | 186.9 |
| 32.5° | 967.4 | 722.6 | 413.9 | 262.6 | 237.2 | 203.8 | 203.4 | 189.0 | 188.6 | 196.2 | 196.2 |
| 35° | 1016.5 | 733.6 | 378.0 | 300.2 | 223.7 | 210.1 | 193.2 | 191.1 | 182.7 | 179.7 | 179.3 |
| 37.5° | 1065.1 | 740.4 | 350.5 | 275.7 | 229.6 | 200.4 | 190.3 | 175.5 | 184.8 | 184.8 | 183.9 |
| 40° | 1117.1 | 747.6 | 325.6 | 253.3 | 211.0 | 200.4 | 176.3 | 175.1 | 162.4 | 163.2 | 162.4 |
| 42.5° | 1172.9 | 750.5 | 298.9 | 234.7 | 193.7 | 188.2 | 170.4 | 157.3 | 156.9 | 159.8 | 159.0 |
| 45° | 1236.8 | 754.3 | 274.4 | 211.0 | 176.3 | 165.7 | 152.2 | 153.1 | 161.1 | 167.9 | 167.9 |
| 47.5° | 1304.8 | 757.7 | 254.1 | 189.8 | 164.1 | 150.5 | 140.4 | 143.8 | 158.1 | 164.9 | 167.0 |
| 50° | 1397.0 | 761.9 | 230.9 | 172.5 | 155.6 | 139.1 | 137.4 | 140.4 | 156.0 | 161.1 | 159.0 |
| 52.5° | 1495.1 | 754.3 | 208.0 | 161.5 | 146.7 | 126.4 | 129.4 | 137.0 | 153.9 | 156.4 | 154.8 |
| 55° | 1575.5 | 735.3 | 190.3 | 154.3 | 140.4 | 120.9 | 125.2 | 134.5 | 150.5 | 151.8 | 152.2 |
| 57.5° | 1668.9 | 710.4 | 176.3 | 148.8 | 136.6 | 118.4 | 123.5 | 134.0 | 143.8 | 149.7 | 149.7 |
| 60° | 1760.7 | 681.2 | 167.9 | 145.9 | 133.6 | 118.4 | 123.5 | 133.6 | 142.5 | 148.8 | 148.4 |
| 62.5° | 1868.1 | 648.2 | 162.8 | 147.6 | 129.8 | 119.7 | 124.3 | 134.9 | 142.1 | 149.3 | 148.4 |
| 65° | 1905.7 | 585.2 | 159.0 | 150.1 | 129.4 | 121.4 | 124.7 | 136.6 | 141.6 | 150.1 | 149.3 |
| 67.5° | 1831.3 | 501.9 | 152.6 | 150.1 | 133.2 | 123.5 | 124.3 | 135.7 | 140.4 | 150.5 | 146.7 |
| 68° | 1806.3 | 489.6 | 150.5 | 149.7 | 133.6 | 123.9 | 124.3 | 135.3 | 139.5 | 150.1 | 145.9 |
| 70° | 1667.6 | 411.8 | 140.0 | 145.5 | 135.3 | 125.6 | 122.2 | 132.3 | 135.3 | 149.3 | 144.2 |
| 72.5° | 1443.1 | 320.9 | 122.2 | 135.3 | 133.6 | 128.1 | 118.4 | 126.4 | 128.1 | 139.5 | 131.1 |
| 75° | 1153.9 | 244.0 | 101.1 | 117.5 | 125.6 | 128.1 | 112.9 | 118.4 | 118.0 | 123.5 | 115.9 |
| 77.5° | 725.6 | 174.2 | 81.6 | 99.8 | 114.2 | 124.7 | 107.8 | 107.8 | 102.7 | 103.6 | 100.2 |
| 80° | 351.8 | 119.2 | 66.0 | 82.5 | 95.6 | 118.0 | 98.9 | 90.9 | 84.6 | 82.9 | 78.6 |
| 82.5° | 172.9 | 77.0 | 45.7 | 62.2 | 75.7 | 97.7 | 88.8 | 74.8 | 63.8 | 63.0 | 56.2 |
| 85° | 40.2 | 31.7 | 24.9 | 33.0 | 47.8 | 63.8 | 63.8 | 46.9 | 39.7 | 51.6 | 38.1 |
| 87.5° | 3.8 | 4.7 | 5.1 | 4.7 | 5.9 | 5.5 | 13.5 | 13.5 | 12.3 | 8.0 | 5.5 |
| 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)