

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: P415162

Luminaire Tested: **LXF.LXT-PA1-40-750-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3853 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 40
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

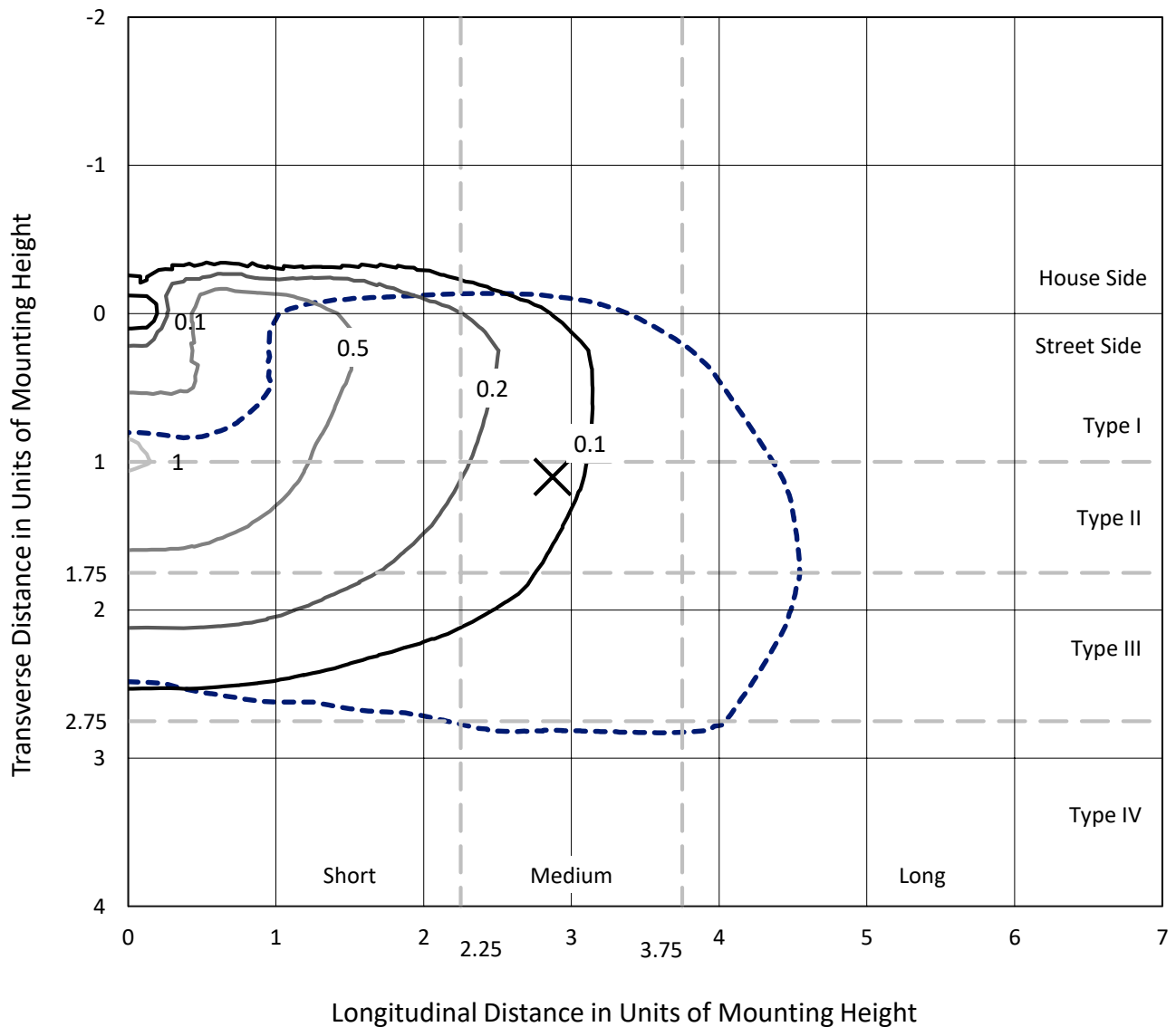


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

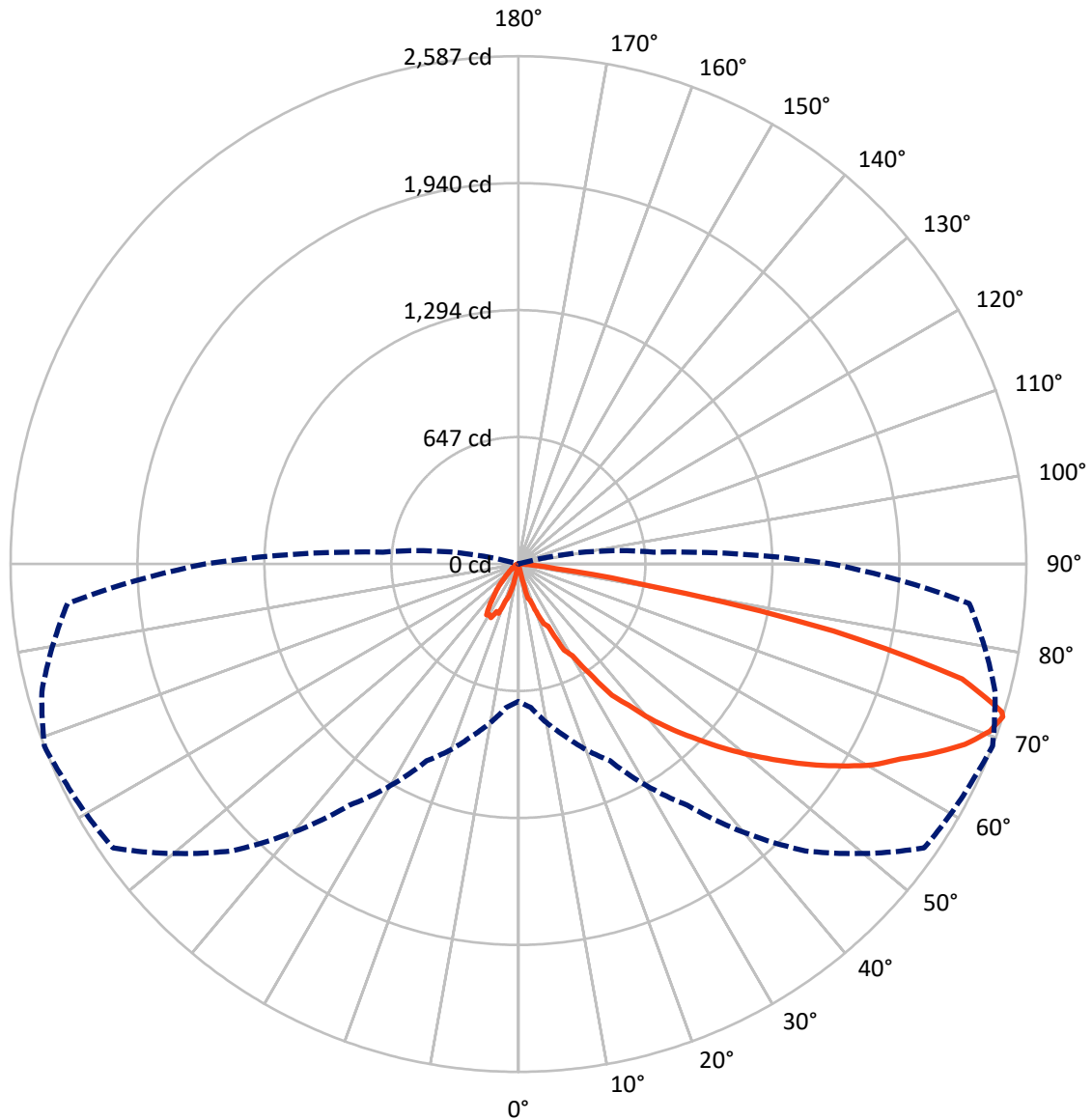


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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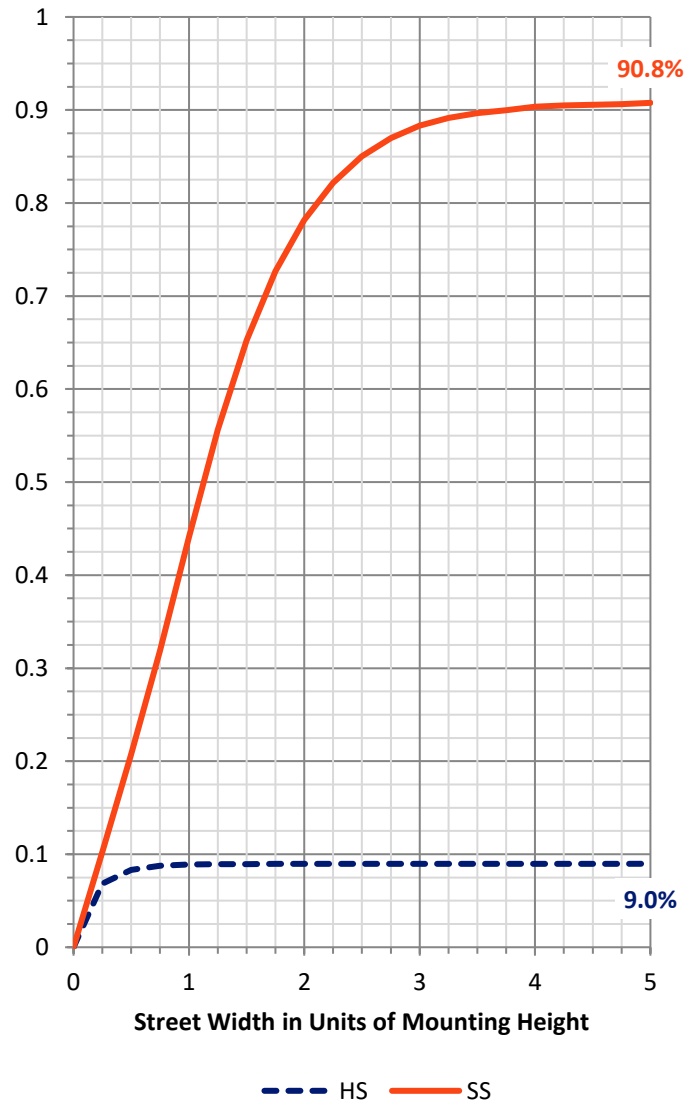
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 349.4 | 0.0 | 349.4 |
| | % Fixture | 9.1 | 0.0 | 9.1 |
| Street Side | Lumens | 3503.6 | 0.0 | 3503.6 |
| | % Fixture | 90.9 | 0.0 | 90.9 |
| Total | Lumens | 3853.0 | 0.0 | 3853.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 2.5 | 0.1 |
| 10°-20° | 33.5 | 0.9 |
| 20°-30° | 120.0 | 3.1 |
| 30°-40° | 306.5 | 8.0 |
| 40°-50° | 606.5 | 15.7 |
| 50°-60° | 955.8 | 24.8 |
| 60°-70° | 1111.7 | 28.9 |
| 70°-80° | 674.8 | 17.5 |
| 80°-90° | 41.8 | 1.1 |
| 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° | 3853.0 | 100.0 |
| 0°-180° | 3853.0 | 100.0 |



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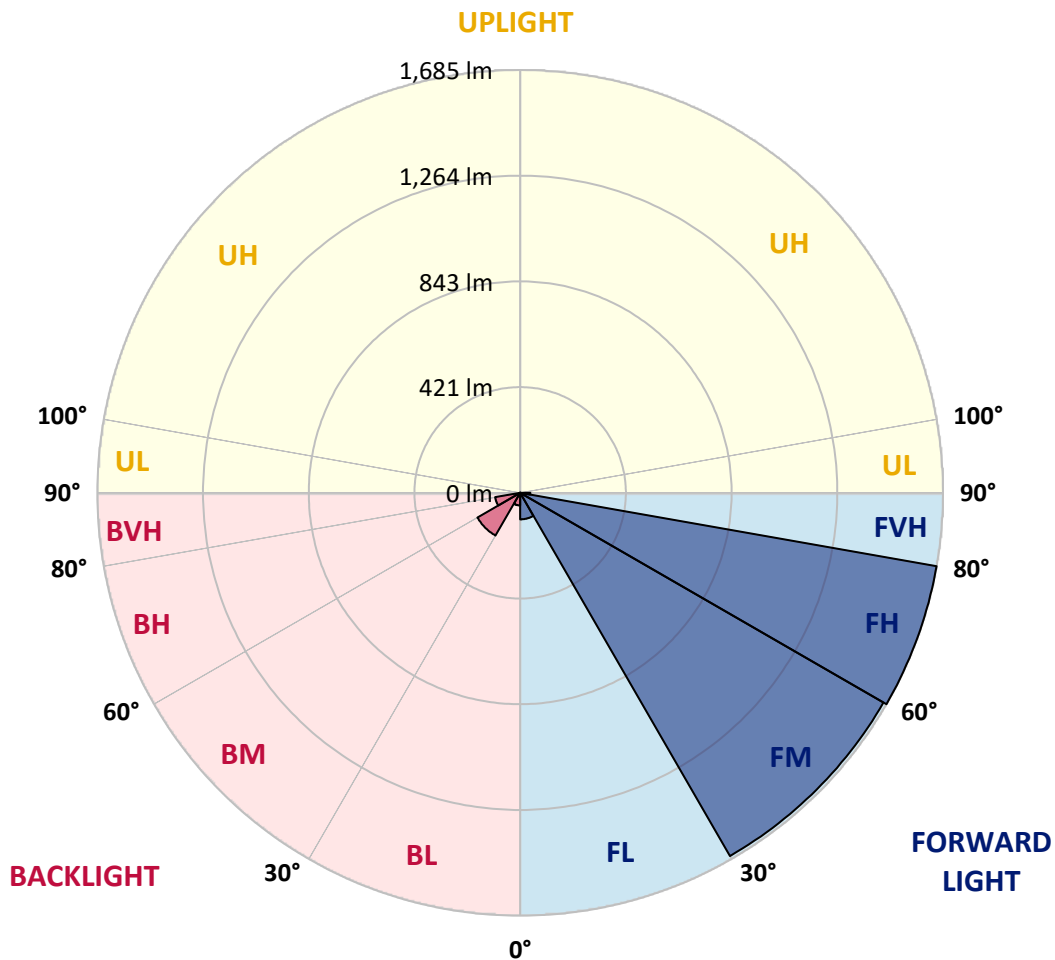
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 105.8 | 2.7 | | | |
| FM | (30°-60°) | 1672.1 | 43.4 | | | |
| FH | (60°-80°) | 1685.4 | 43.7 | | | G1/1800 |
| FVH | (80°-90°) | 40.3 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 50.2 | 1.3 | B0/110 | | |
| BM | (30°-60°) | 196.7 | 5.1 | B0/220 | | |
| BH | (60°-80°) | 101.1 | 2.6 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 1.4 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 69° | 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° | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 5° | 53.7 | 35.0 | 26.3 | 21.9 | 11.0 | 2.7 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 7.5° | 82.7 | 82.7 | 83.2 | 83.8 | 85.4 | 71.7 | 15.3 | 1.6 | 1.6 | 1.6 | 1.6 |
| 10° | 79.9 | 79.4 | 79.4 | 80.5 | 82.7 | 84.9 | 87.1 | 11.5 | 2.7 | 1.6 | 1.6 |
| 12.5° | 156.0 | 154.4 | 143.5 | 100.2 | 82.1 | 83.2 | 87.6 | 66.8 | 18.6 | 11.0 | 63.0 |
| 15° | 154.4 | 153.9 | 154.9 | 157.7 | 158.8 | 88.7 | 129.8 | 176.3 | 180.1 | 121.6 | 147.3 |
| 17.5° | 168.6 | 163.7 | 156.0 | 157.1 | 162.1 | 190.5 | 183.4 | 191.1 | 194.9 | 136.3 | 159.3 |
| 20° | 233.2 | 232.7 | 233.8 | 183.4 | 171.4 | 241.5 | 212.4 | 207.5 | 257.9 | 269.9 | 299.5 |
| 22.5° | 238.2 | 237.1 | 238.7 | 244.2 | 274.3 | 252.4 | 307.7 | 314.8 | 329.6 | 364.7 | 342.2 |
| 25° | 333.4 | 333.4 | 273.8 | 255.1 | 312.6 | 285.3 | 381.1 | 358.1 | 350.4 | 391.5 | 440.2 |
| 27.5° | 402.4 | 398.1 | 383.8 | 356.4 | 325.2 | 403.5 | 405.7 | 489.5 | 496.6 | 546.4 | 555.7 |
| 30° | 509.7 | 503.7 | 465.9 | 444.6 | 403.5 | 424.3 | 473.6 | 582.0 | 542.6 | 582.6 | 623.1 |
| 32.5° | 754.5 | 745.7 | 698.1 | 560.1 | 508.7 | 459.9 | 567.8 | 624.7 | 663.6 | 772.0 | 816.4 |
| 35° | 977.3 | 920.4 | 855.2 | 750.1 | 616.5 | 597.9 | 612.7 | 774.7 | 820.7 | 854.1 | 899.0 |
| 37.5° | 1201.8 | 1202.9 | 1137.8 | 882.6 | 779.1 | 690.4 | 738.6 | 865.6 | 912.2 | 961.5 | 1002.0 |
| 40° | 1382.0 | 1354.6 | 1267.5 | 1080.3 | 919.3 | 830.6 | 836.6 | 954.3 | 1037.0 | 1098.9 | 1107.1 |
| 42.5° | 1611.9 | 1600.4 | 1472.3 | 1260.9 | 1100.5 | 1014.0 | 987.7 | 1045.8 | 1155.3 | 1196.3 | 1221.5 |
| 45° | 1832.0 | 1815.0 | 1706.1 | 1466.8 | 1294.3 | 1197.4 | 1161.3 | 1161.8 | 1269.7 | 1313.5 | 1349.6 |
| 47.5° | 1996.8 | 1969.4 | 1910.9 | 1656.3 | 1538.0 | 1397.8 | 1322.8 | 1294.3 | 1399.5 | 1456.4 | 1476.7 |
| 50° | 2169.3 | 2124.4 | 2077.9 | 1870.3 | 1748.2 | 1626.7 | 1483.2 | 1451.5 | 1527.6 | 1591.1 | 1607.5 |
| 52.5° | 2284.8 | 2219.7 | 2187.4 | 2023.1 | 1936.6 | 1859.4 | 1643.7 | 1608.1 | 1662.3 | 1737.3 | 1724.2 |
| 55° | 2226.2 | 2206.0 | 2241.0 | 2155.1 | 2071.3 | 1985.9 | 1818.3 | 1789.3 | 1803.5 | 1866.5 | 1835.3 |
| 57.5° | 2104.1 | 2110.2 | 2213.6 | 2230.1 | 2192.3 | 2111.8 | 1974.9 | 1970.0 | 1941.0 | 1992.4 | 1951.9 |
| 60° | 1976.6 | 1999.0 | 2143.0 | 2225.1 | 2252.5 | 2225.7 | 2140.3 | 2104.1 | 2078.4 | 2114.5 | 2082.8 |
| 62.5° | 1805.7 | 1810.1 | 2003.4 | 2181.3 | 2229.5 | 2314.4 | 2255.8 | 2238.3 | 2185.2 | 2238.8 | 2225.7 |
| 65° | 1591.1 | 1596.6 | 1778.4 | 2030.8 | 2160.5 | 2331.4 | 2346.1 | 2364.8 | 2323.7 | 2338.5 | 2380.1 |
| 67.5° | 1351.3 | 1361.7 | 1520.5 | 1764.1 | 2012.2 | 2298.0 | 2421.2 | 2456.7 | 2453.5 | 2449.1 | 2490.1 |
| 70° | 1094.0 | 1101.1 | 1230.3 | 1443.8 | 1772.3 | 2206.0 | 2490.7 | 2536.1 | 2548.7 | 2518.1 | 2489.0 |
| 72° | 699.7 | 734.2 | 905.1 | 1106.5 | 1500.2 | 2066.4 | 2521.9 | 2565.2 | 2587.1 | 2513.7 | 2305.6 |
| 72.5° | 549.7 | 577.1 | 836.1 | 1014.0 | 1407.1 | 2034.1 | 2515.9 | 2555.3 | 2575.6 | 2489.6 | 2227.9 |
| 75° | 118.3 | 121.6 | 261.7 | 492.8 | 887.5 | 1558.3 | 2307.3 | 2312.2 | 2334.1 | 2169.3 | 1525.4 |
| 77.5° | 50.9 | 51.5 | 72.8 | 162.6 | 318.7 | 796.6 | 1597.1 | 1642.6 | 1640.9 | 1403.9 | 737.5 |
| 80° | 35.6 | 36.7 | 43.3 | 74.5 | 151.7 | 230.5 | 780.2 | 785.2 | 675.6 | 502.1 | 184.0 |
| 82.5° | 18.6 | 19.7 | 30.7 | 44.3 | 102.9 | 84.3 | 252.4 | 254.6 | 187.8 | 118.3 | 42.7 |
| 85° | 3.3 | 4.9 | 14.8 | 26.8 | 40.0 | 33.9 | 55.3 | 69.5 | 60.2 | 47.1 | 18.1 |
| 87.5° | 0.5 | 0.5 | 3.8 | 3.8 | 5.5 | 3.3 | 5.5 | 6.0 | 6.6 | 9.9 | 4.9 |
| 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° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 |
| 2.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.1 | 0.5 | 0.0 | 50.4 | 67.9 | 72.3 | 77.2 |
| 10° | 1.6 | 2.2 | 1.6 | 1.6 | 1.1 | 69.0 | 84.9 | 86.0 | 87.1 | 87.1 | 86.5 |
| 12.5° | 69.5 | 71.2 | 25.2 | 4.9 | 64.1 | 87.6 | 83.2 | 76.1 | 69.5 | 67.3 | 66.8 |
| 15° | 148.9 | 149.5 | 135.2 | 116.6 | 124.3 | 82.7 | 65.2 | 73.9 | 75.0 | 72.3 | 72.3 |
| 17.5° | 160.4 | 160.4 | 153.3 | 187.3 | 157.1 | 82.7 | 68.4 | 56.4 | 48.2 | 46.0 | 45.4 |
| 20° | 317.6 | 278.1 | 225.0 | 190.0 | 128.1 | 92.5 | 48.2 | 41.1 | 40.0 | 40.0 | 41.6 |
| 22.5° | 342.8 | 337.8 | 292.9 | 256.2 | 110.1 | 65.2 | 47.1 | 47.1 | 55.8 | 54.8 | 54.2 |
| 25° | 447.3 | 440.8 | 331.8 | 222.8 | 110.1 | 55.8 | 59.7 | 52.6 | 51.5 | 50.4 | 49.3 |
| 27.5° | 565.6 | 551.9 | 466.5 | 201.5 | 77.7 | 58.6 | 56.9 | 49.8 | 59.1 | 59.1 | 58.6 |
| 30° | 643.9 | 592.4 | 469.8 | 180.7 | 65.7 | 62.4 | 53.7 | 58.0 | 52.6 | 49.3 | 49.3 |
| 32.5° | 834.4 | 810.9 | 574.4 | 127.6 | 62.4 | 56.4 | 56.4 | 49.8 | 44.3 | 46.0 | 45.4 |
| 35° | 894.7 | 864.0 | 511.4 | 95.8 | 57.5 | 52.0 | 47.1 | 43.8 | 37.8 | 33.9 | 33.4 |
| 37.5° | 969.1 | 929.1 | 429.3 | 73.9 | 56.4 | 46.0 | 38.9 | 33.4 | 29.0 | 29.0 | 28.5 |
| 40° | 1060.6 | 999.8 | 351.0 | 63.0 | 49.8 | 39.4 | 30.1 | 25.7 | 23.0 | 21.4 | 20.8 |
| 42.5° | 1160.8 | 1066.6 | 269.9 | 56.9 | 43.3 | 32.3 | 22.4 | 18.6 | 17.0 | 16.4 | 16.4 |
| 45° | 1266.4 | 1128.4 | 193.8 | 52.0 | 37.8 | 25.2 | 16.4 | 13.1 | 12.6 | 12.6 | 12.6 |
| 47.5° | 1374.3 | 1173.3 | 132.0 | 47.1 | 31.8 | 18.6 | 12.0 | 9.9 | 9.9 | 9.3 | 9.3 |
| 50° | 1480.0 | 1204.0 | 90.9 | 42.2 | 25.7 | 13.1 | 8.8 | 8.2 | 8.2 | 7.7 | 7.7 |
| 52.5° | 1556.6 | 1196.9 | 67.9 | 36.7 | 20.3 | 9.9 | 7.1 | 6.6 | 6.6 | 6.6 | 6.6 |
| 55° | 1631.1 | 1181.0 | 55.8 | 31.2 | 15.3 | 7.1 | 5.5 | 4.9 | 4.9 | 4.9 | 4.9 |
| 57.5° | 1707.7 | 1159.7 | 48.2 | 25.2 | 11.0 | 5.5 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 60° | 1771.2 | 1118.0 | 41.6 | 20.3 | 7.7 | 3.8 | 3.3 | 2.7 | 2.7 | 2.7 | 2.7 |
| 62.5° | 1841.9 | 1075.9 | 35.6 | 15.3 | 5.5 | 2.7 | 2.2 | 1.6 | 1.6 | 1.1 | 1.6 |
| 65° | 1892.2 | 1024.4 | 29.0 | 11.0 | 3.8 | 2.2 | 1.6 | 1.1 | 0.5 | 0.0 | 0.5 |
| 67.5° | 1891.2 | 956.0 | 20.8 | 7.1 | 2.7 | 1.6 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 |
| 70° | 1808.5 | 858.0 | 14.2 | 4.9 | 2.2 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 |
| 72° | 1596.0 | 692.1 | 11.0 | 4.4 | 2.2 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 |
| 72.5° | 1521.6 | 635.1 | 9.9 | 3.8 | 2.2 | 1.1 | 1.1 | 0.5 | 0.0 | 0.0 | 0.0 |
| 75° | 966.4 | 264.5 | 7.7 | 3.3 | 2.2 | 1.1 | 1.1 | 0.5 | 0.5 | 0.5 | 0.0 |
| 77.5° | 449.0 | 96.9 | 5.5 | 2.7 | 1.6 | 1.1 | 1.1 | 0.5 | 0.5 | 1.1 | 0.0 |
| 80° | 98.0 | 28.5 | 3.8 | 2.7 | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 | 1.6 | 0.0 |
| 82.5° | 22.4 | 9.3 | 3.3 | 2.2 | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 | 1.6 | 0.0 |
| 85° | 8.2 | 5.5 | 3.3 | 2.7 | 2.2 | 1.1 | 1.1 | 1.6 | 1.6 | 2.2 | 0.0 |
| 87.5° | 3.3 | 3.3 | 2.7 | 2.7 | 2.2 | 1.1 | 1.6 | 1.6 | 2.2 | 2.2 | 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)