

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: P416008

Luminaire Tested: **LXF.LXT-PA1-60-760-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416008
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-760-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7485 lumens
Efficiency: N/A
Efficacy: 117.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

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

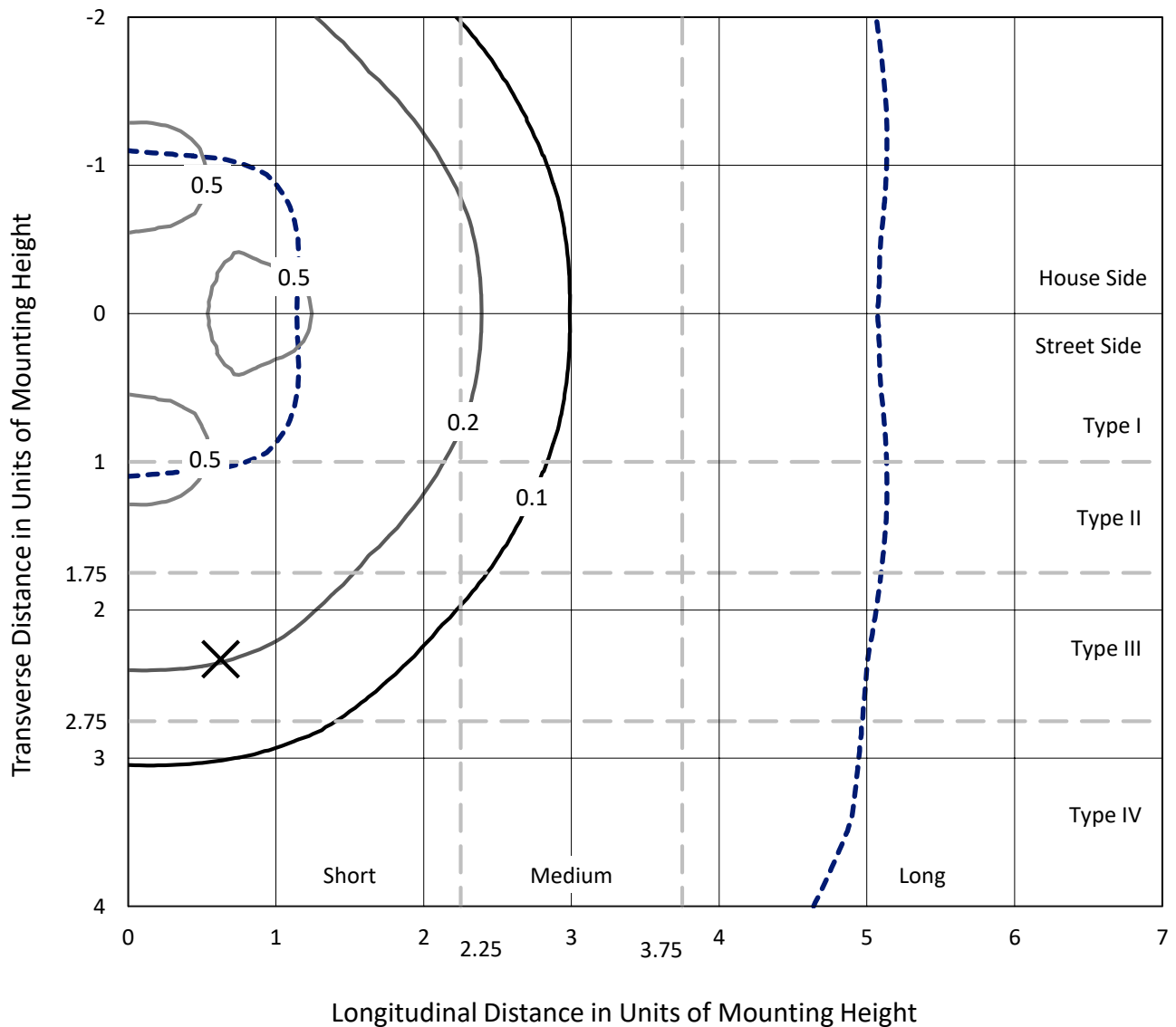


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

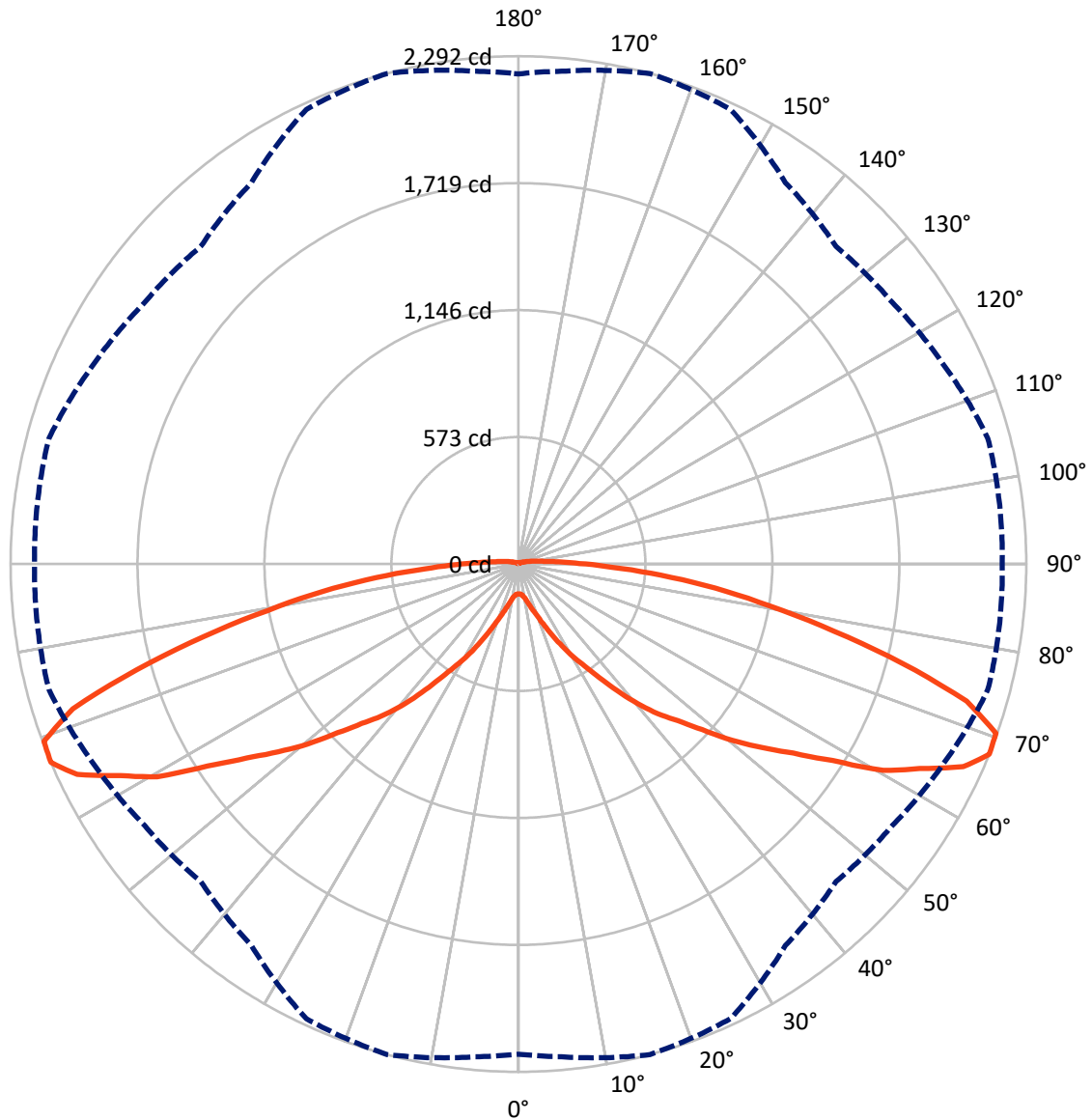


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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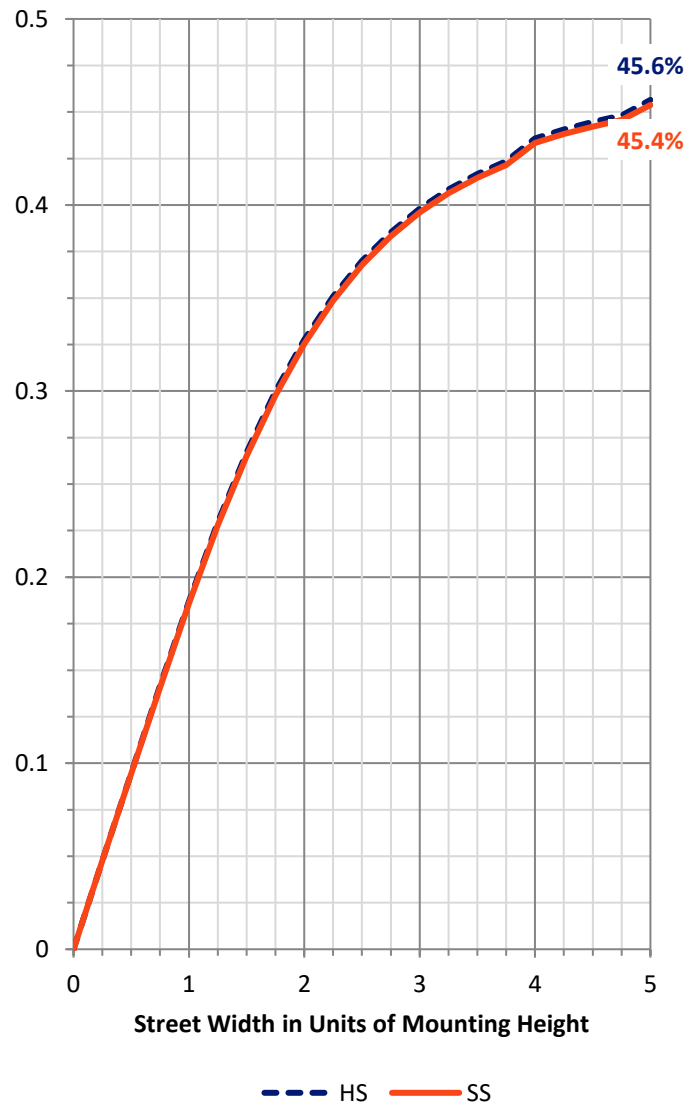
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 3594.8 | 147.7 | 3742.5 |
| | % Fixture | 48.0 | 2.0 | 50.0 |
| Street Side | Lumens | 3594.8 | 147.7 | 3742.5 |
| | % Fixture | 48.0 | 2.0 | 50.0 |
| Total | Lumens | 7189.6 | 295.4 | 7485.0 |
| | % Fixture | 96.1 | 3.9 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.6 | 0.2 |
| 10°-20° | 55.9 | 0.7 |
| 20°-30° | 161.2 | 2.2 |
| 30°-40° | 379.5 | 5.1 |
| 40°-50° | 715.3 | 9.6 |
| 50°-60° | 1275.8 | 17.0 |
| 60°-70° | 2017.0 | 26.9 |
| 70°-80° | 1777.1 | 23.7 |
| 80°-90° | 794.3 | 10.6 |
| 90°-100° | 197.2 | 2.6 |
| 100°-110° | 54.3 | 0.7 |
| 110°-120° | 21.8 | 0.3 |
| 120°-130° | 11.6 | 0.2 |
| 130°-140° | 6.8 | 0.1 |
| 140°-150° | 2.9 | 0.0 |
| 150°-160° | 0.8 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-90° | 7189.6 | 96.1 |
| 0°-180° | 7485.0 | 100.0 |

Coefficient of Utilization



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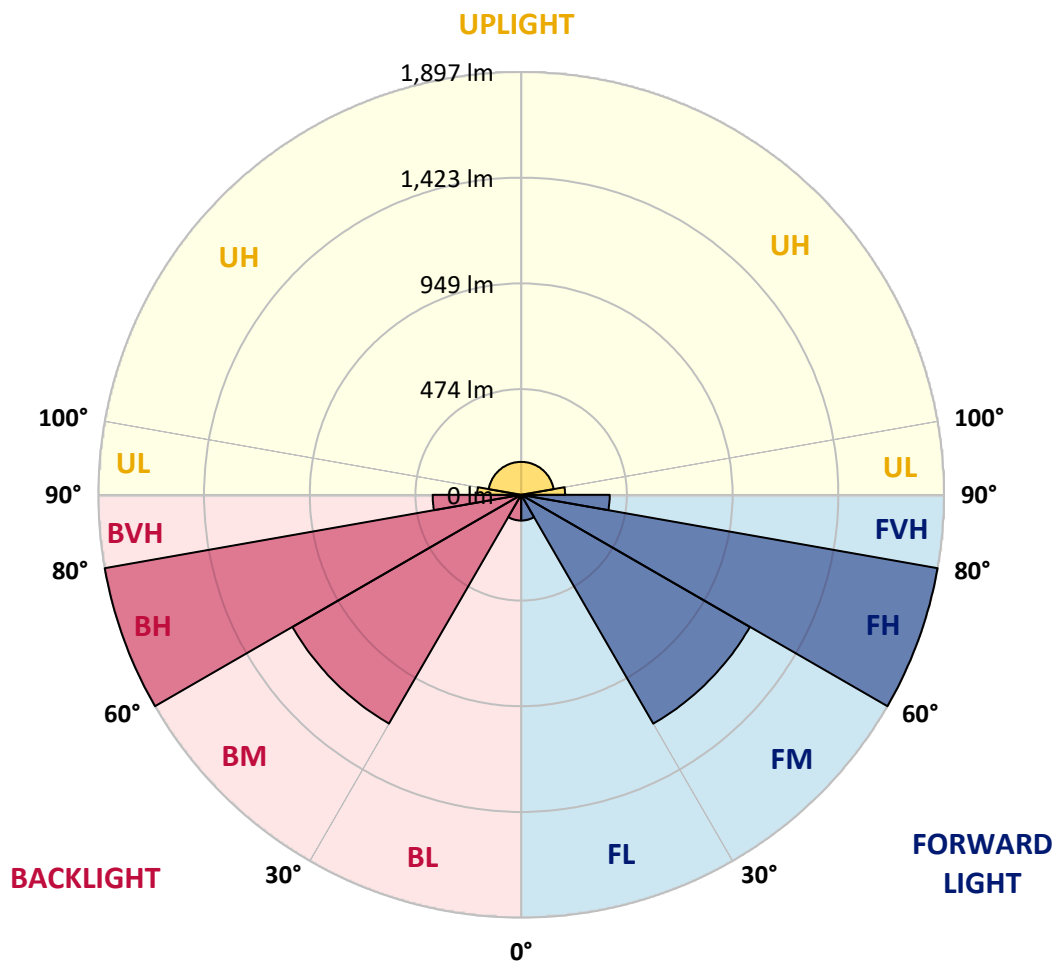
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|--------|---------|
| | | | B | U | G |
| FL (0°-30°) | 115.3 | 1.5 | | | |
| FM (30°-60°) | 1185.3 | 15.8 | | | |
| FH (60°-80°) | 1897.0 | 25.3 | | | G2/5000 |
| FVH (80°-90°) | 397.1 | 5.3 | | | G3/500 |
| BL (0°-30°) | 115.3 | 1.5 | B1/500 | | |
| BM (30°-60°) | 1185.3 | 15.8 | B2/2500 | | |
| BH (60°-80°) | 1897.0 | 25.3 | B3/2500 | | G2/5000 |
| BVH (80°-90°) | 397.1 | 5.3 | | | G3/500 |
| UL (90°-100°) | 197.2 | 2.6 | | U3/500 | |
| UH (100°-180°) | 147.7 | 2.0 | | U3/500 | |

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 | 134.6 |
| 2.5° | 134.6 | 134.6 | 135.4 | 135.4 | 136.2 | 137.1 | 136.2 | 135.4 | 134.6 | 133.8 | 133.8 |
| 5° | 138.7 | 138.7 | 138.7 | 138.7 | 139.5 | 139.5 | 138.7 | 137.1 | 136.2 | 135.4 | 135.4 |
| 7.5° | 145.2 | 145.2 | 145.2 | 145.2 | 145.2 | 144.4 | 142.8 | 141.1 | 140.3 | 139.5 | 139.5 |
| 10° | 155.8 | 155.8 | 154.2 | 154.2 | 153.4 | 152.6 | 150.9 | 149.3 | 147.7 | 148.5 | 148.5 |
| 12.5° | 173.8 | 174.6 | 172.1 | 168.1 | 164.8 | 163.2 | 162.4 | 162.4 | 164.8 | 164.8 | 165.6 |
| 15° | 199.9 | 199.9 | 195.8 | 190.1 | 183.6 | 178.7 | 180.3 | 184.4 | 188.5 | 190.9 | 190.9 |
| 17.5° | 228.4 | 228.4 | 224.4 | 217.0 | 208.0 | 205.6 | 204.8 | 208.9 | 217.8 | 221.1 | 221.9 |
| 20° | 264.3 | 264.3 | 257.0 | 246.4 | 238.2 | 235.0 | 235.0 | 241.5 | 251.3 | 258.6 | 257.8 |
| 22.5° | 313.3 | 312.5 | 301.9 | 283.9 | 273.3 | 268.4 | 267.6 | 276.6 | 293.7 | 305.1 | 308.4 |
| 25° | 372.0 | 371.2 | 357.3 | 333.7 | 317.4 | 304.3 | 307.6 | 323.1 | 349.2 | 367.1 | 367.1 |
| 27.5° | 438.9 | 435.7 | 417.7 | 391.6 | 367.1 | 350.0 | 354.9 | 376.9 | 409.5 | 434.0 | 434.8 |
| 30° | 504.2 | 504.2 | 484.6 | 453.6 | 421.0 | 399.8 | 405.5 | 436.5 | 475.6 | 514.0 | 514.8 |
| 32.5° | 573.5 | 572.7 | 548.2 | 517.2 | 477.3 | 453.6 | 462.6 | 500.9 | 556.4 | 600.5 | 608.6 |
| 35° | 662.5 | 663.3 | 629.0 | 586.6 | 536.0 | 509.9 | 522.1 | 571.9 | 638.0 | 691.0 | 695.9 |
| 37.5° | 757.9 | 762.8 | 725.3 | 670.6 | 602.9 | 571.1 | 589.0 | 647.0 | 723.6 | 779.1 | 779.1 |
| 40° | 860.7 | 863.2 | 828.9 | 759.5 | 678.0 | 636.4 | 660.0 | 722.0 | 780.8 | 828.1 | 830.5 |
| 42.5° | 948.0 | 950.4 | 923.5 | 855.8 | 764.4 | 714.7 | 728.5 | 775.9 | 831.3 | 884.4 | 889.3 |
| 45° | 1016.5 | 1024.7 | 1008.4 | 950.4 | 857.4 | 797.1 | 795.4 | 843.6 | 910.5 | 966.0 | 972.5 |
| 47.5° | 1140.5 | 1144.6 | 1116.1 | 1047.5 | 952.9 | 886.8 | 880.3 | 928.4 | 1015.7 | 1075.3 | 1079.4 |
| 50° | 1249.9 | 1262.1 | 1251.5 | 1178.1 | 1065.5 | 985.5 | 986.3 | 1050.0 | 1144.6 | 1205.0 | 1210.7 |
| 52.5° | 1373.1 | 1378.8 | 1375.5 | 1312.7 | 1203.4 | 1108.7 | 1119.3 | 1191.1 | 1293.1 | 1330.6 | 1337.2 |
| 55° | 1485.6 | 1494.6 | 1506.0 | 1459.5 | 1351.0 | 1267.8 | 1277.6 | 1354.3 | 1422.8 | 1458.7 | 1462.0 |
| 57.5° | 1664.3 | 1673.3 | 1672.5 | 1603.9 | 1510.9 | 1430.2 | 1446.5 | 1506.9 | 1596.6 | 1657.8 | 1668.4 |
| 60° | 1858.5 | 1871.5 | 1891.9 | 1803.0 | 1663.5 | 1607.2 | 1627.6 | 1714.9 | 1816.9 | 1825.8 | 1837.3 |
| 62.5° | 1988.2 | 1994.7 | 2033.1 | 2003.7 | 1841.3 | 1773.6 | 1827.5 | 1901.7 | 1954.7 | 1962.9 | 1959.6 |
| 65° | 2157.9 | 2179.1 | 2206.0 | 2138.3 | 2007.8 | 1914.8 | 1976.8 | 2032.2 | 2127.7 | 2135.9 | 2134.2 |
| 67.5° | 2211.7 | 2232.1 | 2291.7 | 2263.9 | 2100.8 | 2026.5 | 2058.4 | 2119.5 | 2193.0 | 2186.4 | 2183.2 |
| 70° | 2215.8 | 2235.4 | 2286.0 | 2271.3 | 2122.0 | 2019.2 | 2051.8 | 2075.5 | 2143.2 | 2144.0 | 2135.0 |
| 72.5° | 1993.9 | 2028.2 | 2114.6 | 2140.8 | 2010.2 | 1905.0 | 1907.4 | 1906.6 | 1911.5 | 1857.7 | 1836.4 |
| 75° | 1679.8 | 1704.3 | 1789.1 | 1851.9 | 1785.1 | 1694.5 | 1692.9 | 1624.3 | 1609.6 | 1568.9 | 1554.2 |
| 77.5° | 1345.3 | 1375.5 | 1457.1 | 1525.6 | 1502.0 | 1453.0 | 1427.7 | 1350.2 | 1329.0 | 1282.5 | 1288.2 |
| 80° | 1045.9 | 1069.6 | 1150.3 | 1239.3 | 1245.8 | 1211.5 | 1183.8 | 1120.1 | 1078.5 | 1039.4 | 1022.2 |
| 82.5° | 805.2 | 825.6 | 895.0 | 991.2 | 1031.2 | 1027.1 | 988.0 | 916.2 | 878.7 | 841.1 | 819.1 |
| 85° | 556.4 | 574.3 | 642.9 | 759.5 | 831.3 | 856.6 | 812.6 | 722.0 | 655.1 | 602.1 | 589.8 |
| 87.5° | 359.0 | 367.1 | 421.8 | 523.0 | 630.6 | 690.2 | 643.7 | 530.3 | 446.3 | 403.8 | 390.0 |
| 90° | 224.4 | 236.6 | 275.8 | 338.6 | 443.8 | 519.7 | 472.4 | 357.3 | 297.0 | 253.7 | 244.8 |
| 92.5° | 155.8 | 154.2 | 181.1 | 225.2 | 302.7 | 364.7 | 323.9 | 236.6 | 187.6 | 159.1 | 153.4 |
| 95° | 102.8 | 106.9 | 121.6 | 149.3 | 204.8 | 243.1 | 213.7 | 157.5 | 123.2 | 102.8 | 100.3 |
| 97.5° | 76.7 | 77.5 | 88.9 | 106.1 | 139.5 | 159.9 | 142.0 | 109.3 | 87.3 | 74.2 | 73.4 |
| 100° | 60.4 | 61.2 | 69.3 | 79.1 | 97.9 | 111.0 | 99.5 | 82.4 | 67.7 | 57.9 | 57.9 |
| 102.5° | 47.3 | 48.1 | 53.8 | 62.0 | 74.2 | 82.4 | 75.9 | 63.6 | 53.0 | 45.7 | 44.9 |
| 105° | 37.5 | 37.5 | 42.4 | 49.0 | 57.9 | 63.6 | 59.6 | 49.8 | 40.8 | 35.9 | 35.9 |
| 107.5° | 29.4 | 30.2 | 33.4 | 38.3 | 46.5 | 52.2 | 47.3 | 38.3 | 31.8 | 27.7 | 27.7 |
| 110° | 23.7 | 23.7 | 26.1 | 31.0 | 37.5 | 42.4 | 38.3 | 31.0 | 25.3 | 22.8 | 22.8 |



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CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|--------|------|------|------|------|------|------|------|------|------|------|------|
| 112.5° | 19.6 | 19.6 | 21.2 | 25.3 | 31.0 | 35.1 | 31.0 | 25.3 | 20.4 | 18.8 | 18.8 |
| 115° | 16.3 | 16.3 | 17.9 | 20.4 | 26.1 | 28.6 | 26.1 | 20.4 | 17.1 | 15.5 | 15.5 |
| 117.5° | 14.7 | 14.7 | 15.5 | 17.9 | 22.0 | 23.7 | 22.0 | 17.1 | 14.7 | 13.9 | 13.9 |
| 120° | 13.1 | 13.1 | 13.9 | 15.5 | 18.8 | 20.4 | 18.8 | 15.5 | 13.1 | 12.2 | 12.2 |
| 122.5° | 12.2 | 12.2 | 12.2 | 13.9 | 17.1 | 17.9 | 16.3 | 13.9 | 11.4 | 11.4 | 11.4 |
| 125° | 11.4 | 11.4 | 11.4 | 12.2 | 14.7 | 15.5 | 14.7 | 12.2 | 10.6 | 10.6 | 10.6 |
| 127.5° | 10.6 | 10.6 | 10.6 | 11.4 | 13.1 | 13.9 | 13.1 | 11.4 | 9.8 | 9.8 | 9.8 |
| 130° | 10.6 | 10.6 | 9.8 | 10.6 | 11.4 | 12.2 | 11.4 | 10.6 | 9.8 | 9.0 | 9.8 |
| 132.5° | 9.8 | 9.8 | 9.8 | 9.8 | 10.6 | 10.6 | 10.6 | 9.8 | 9.0 | 9.0 | 9.0 |
| 135° | 9.0 | 9.0 | 8.2 | 8.2 | 9.0 | 9.8 | 9.0 | 8.2 | 8.2 | 8.2 | 8.2 |
| 137.5° | 8.2 | 7.3 | 7.3 | 7.3 | 8.2 | 8.2 | 8.2 | 7.3 | 7.3 | 7.3 | 7.3 |
| 140° | 6.5 | 6.5 | 6.5 | 6.5 | 6.5 | 7.3 | 6.5 | 5.7 | 5.7 | 6.5 | 6.5 |
| 142.5° | 5.7 | 5.7 | 5.7 | 4.9 | 5.7 | 5.7 | 5.7 | 4.9 | 4.9 | 4.9 | 4.9 |
| 145° | 4.9 | 4.9 | 4.9 | 4.1 | 4.9 | 4.9 | 4.9 | 4.1 | 4.1 | 4.1 | 4.1 |
| 147.5° | 3.3 | 4.1 | 3.3 | 3.3 | 4.1 | 4.1 | 3.3 | 3.3 | 3.3 | 3.3 | 3.3 |
| 150° | 2.4 | 2.4 | 2.4 | 2.4 | 3.3 | 3.3 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 152.5° | 1.6 | 1.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 |
| 155° | 1.6 | 1.6 | 1.6 | 1.6 | 2.4 | 2.4 | 1.6 | 1.6 | 1.6 | 0.8 | 0.8 |
| 157.5° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 2.4 | 1.6 | 0.8 | 0.8 | 0.8 | 0.8 |
| 160° | 0.0 | 0.0 | 0.0 | 0.8 | 1.6 | 2.4 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| 162.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 165° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 167.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 170° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 172.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 175° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 177.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 180° | 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)