

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: P694895

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694895
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3704 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

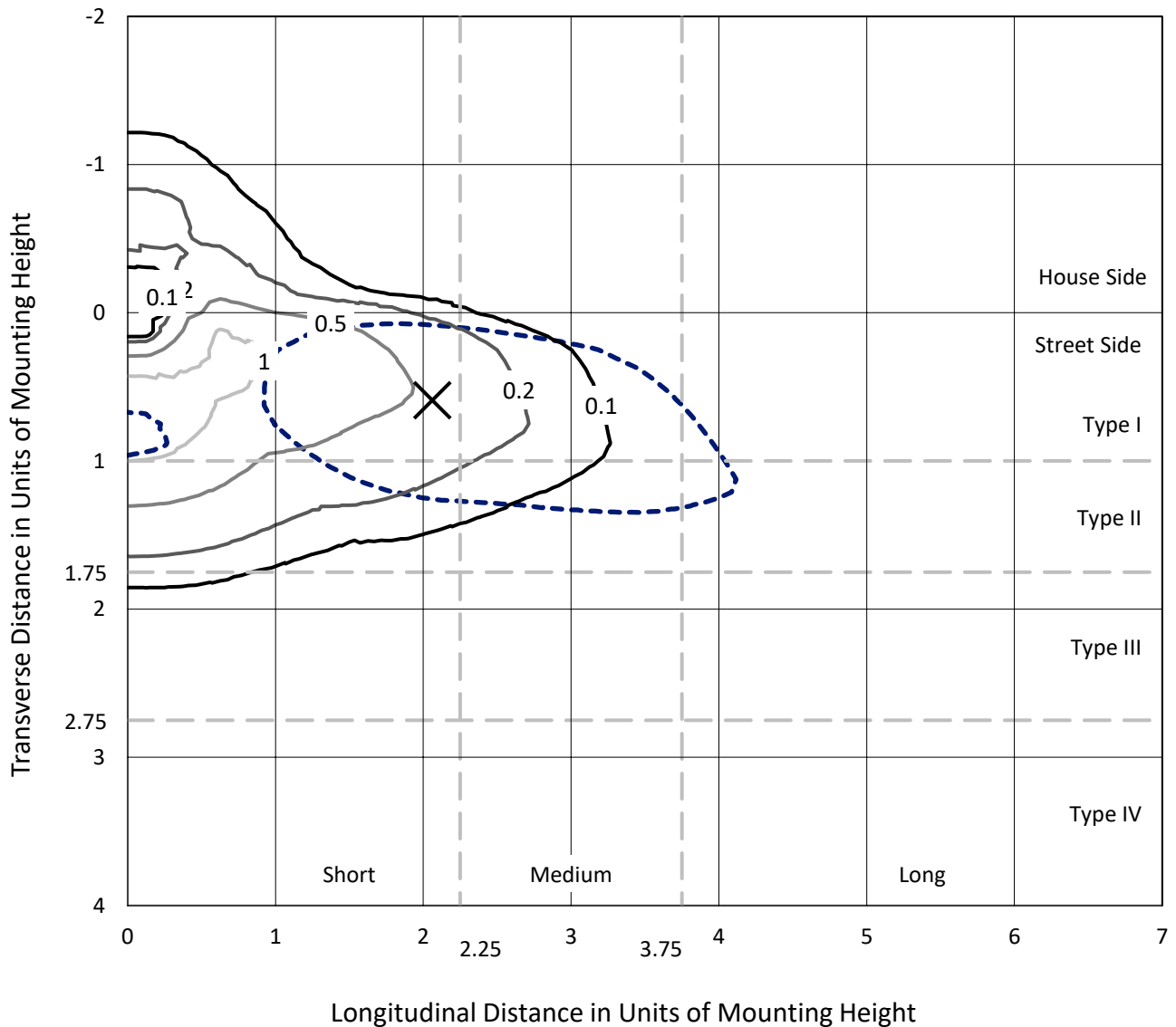
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

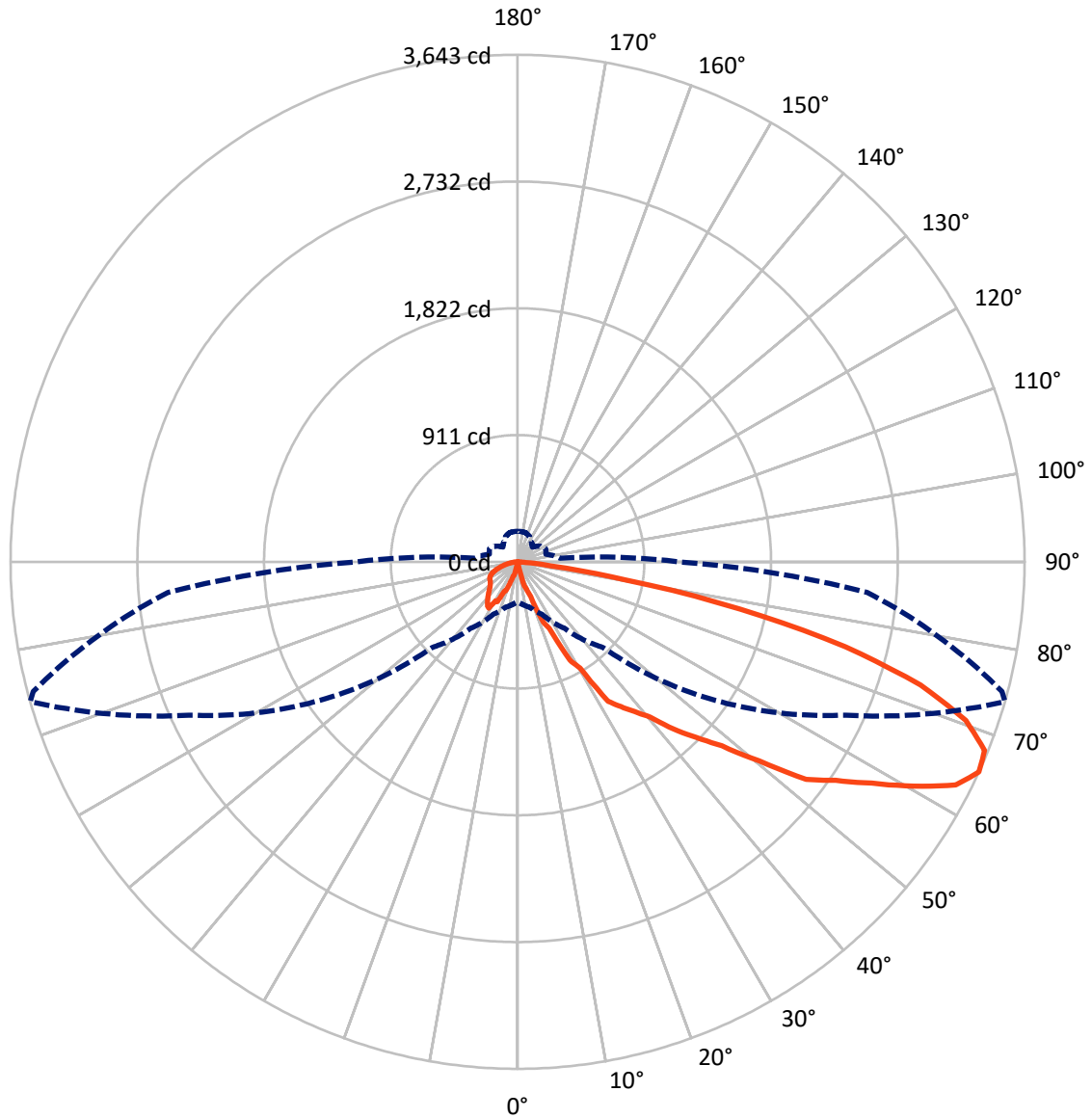
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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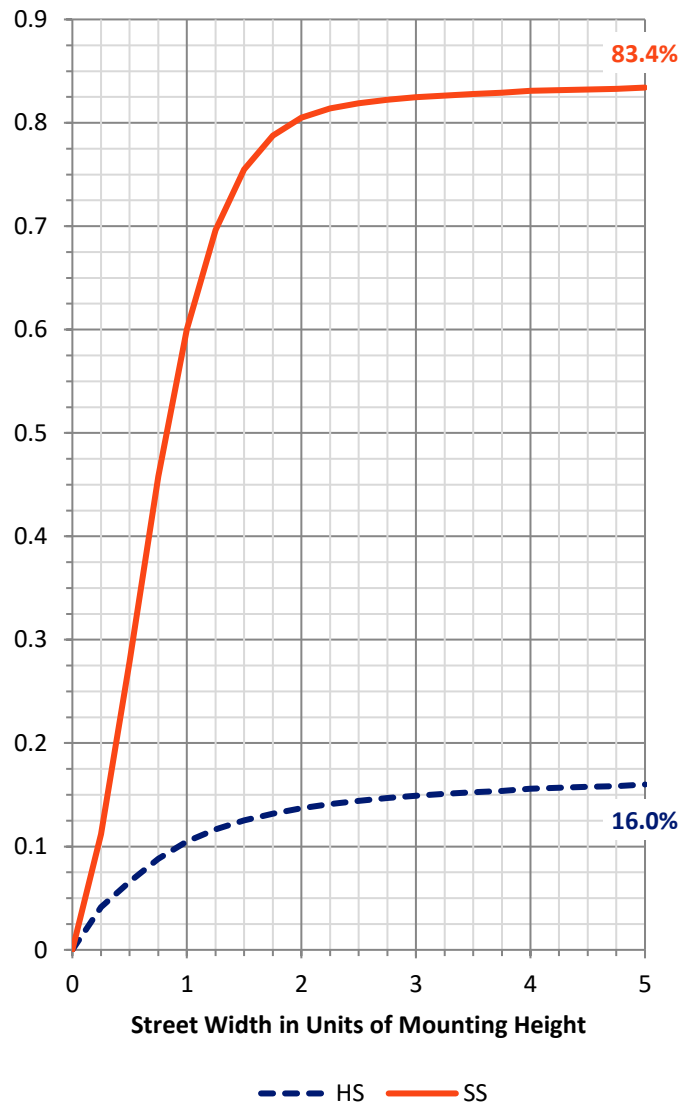
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 606.9 | 0.0 | 606.9 |
| | % Fixture | 16.4 | 0.0 | 16.4 |
| Street Side | Lumens | 3097.1 | 0.0 | 3097.1 |
| | % Fixture | 83.6 | 0.0 | 83.6 |
| Total | Lumens | 3704.0 | 0.0 | 3704.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.1 | 0.0 |
| 10°-20° | 36.2 | 1.0 |
| 20°-30° | 218.4 | 5.9 |
| 30°-40° | 528.9 | 14.3 |
| 40°-50° | 741.3 | 20.0 |
| 50°-60° | 875.7 | 23.6 |
| 60°-70° | 803.1 | 21.7 |
| 70°-80° | 435.1 | 11.7 |
| 80°-90° | 65.2 | 1.8 |
| 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° | 3704.0 | 100.0 |
| 0°-180° | 3704.0 | 100.0 |

Coefficient of Utilization

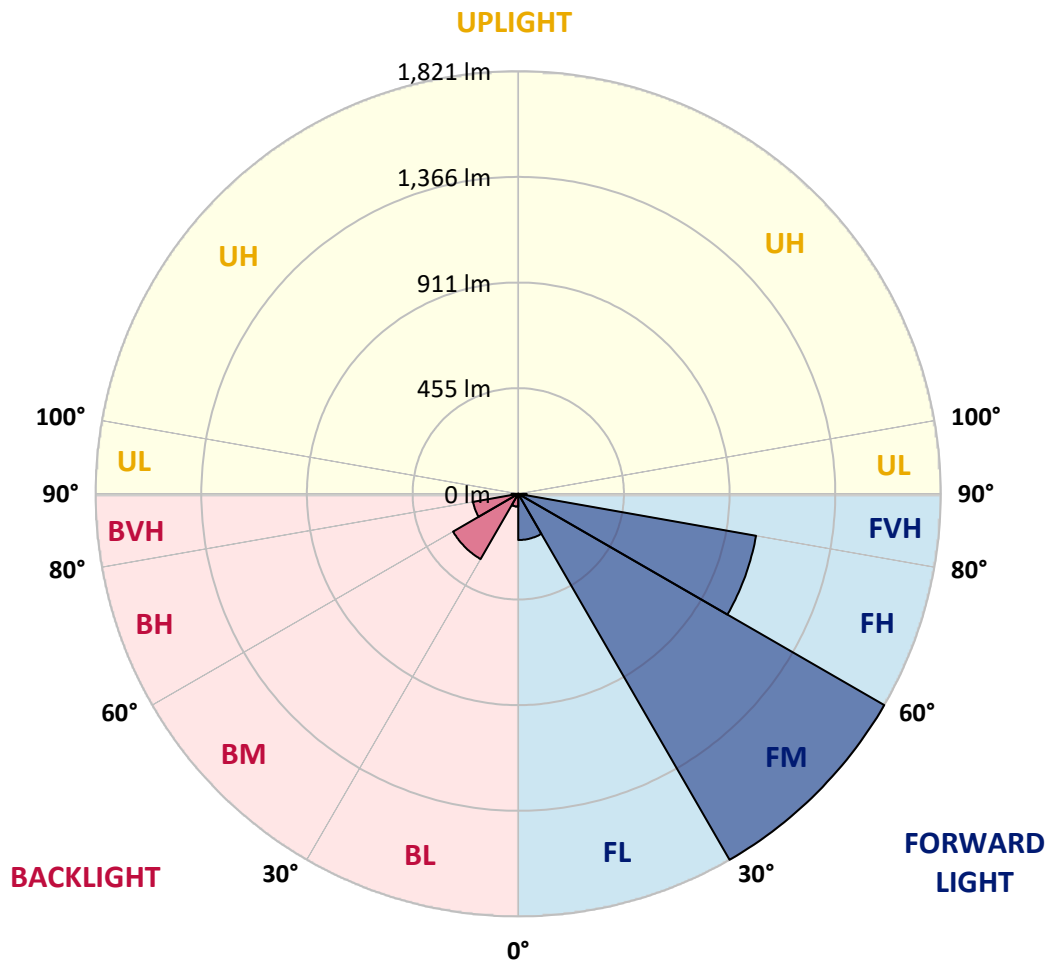


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 199.2 | 5.4 | | | |
| FM (30°-60°) | 1821.2 | 49.2 | | | |
| FH (60°-80°) | 1040.5 | 28.1 | | | G1/1800 |
| FVH (80°-90°) | 36.1 | 1.0 | | | G1/100 |
| BL (0°-30°) | 55.5 | 1.5 | B0/110 | | |
| BM (30°-60°) | 324.6 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 197.6 | 5.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 29.2 | 0.8 | | | 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 Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 74° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 7.5° | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 10° | 18.1 | 16.8 | 12.9 | 7.8 | 3.9 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 12.5° | 222.6 | 222.6 | 220.0 | 201.9 | 25.9 | 9.1 | 2.6 | 6.5 | 12.9 | 15.5 | 16.8 |
| 15° | 252.4 | 249.8 | 249.8 | 247.2 | 240.7 | 55.7 | 24.6 | 194.1 | 177.3 | 172.1 | 132.0 |
| 17.5° | 389.6 | 440.0 | 299.0 | 278.3 | 270.5 | 222.6 | 212.3 | 229.1 | 203.2 | 199.3 | 152.7 |
| 20° | 592.8 | 592.8 | 588.9 | 582.4 | 314.5 | 433.6 | 407.7 | 262.7 | 266.6 | 321.0 | 304.1 |
| 22.5° | 662.7 | 660.1 | 647.1 | 638.1 | 685.9 | 469.8 | 442.6 | 482.8 | 471.1 | 467.2 | 357.2 |
| 25° | 1063.9 | 1052.2 | 1034.1 | 727.4 | 750.7 | 660.1 | 657.5 | 617.4 | 528.1 | 519.0 | 410.3 |
| 27.5° | 1163.5 | 1154.5 | 1138.9 | 1038.0 | 858.1 | 867.1 | 688.5 | 740.3 | 799.8 | 805.0 | 616.1 |
| 30° | 1659.2 | 1645.0 | 1466.4 | 1150.6 | 1087.2 | 944.8 | 961.6 | 938.3 | 885.3 | 864.6 | 665.2 |
| 32.5° | 1771.8 | 1764.1 | 1730.4 | 1501.3 | 1181.6 | 1119.5 | 1076.8 | 1035.4 | 1194.6 | 1167.4 | 935.7 |
| 35° | 1861.1 | 1846.9 | 1813.2 | 1558.3 | 1444.4 | 1300.7 | 1176.5 | 1302.0 | 1278.7 | 1252.8 | 986.2 |
| 37.5° | 1910.3 | 1894.8 | 1861.1 | 1621.7 | 1514.3 | 1365.4 | 1395.2 | 1381.0 | 1365.4 | 1355.1 | 1040.6 |
| 40° | 1901.2 | 1888.3 | 1867.6 | 1663.1 | 1557.0 | 1405.5 | 1501.3 | 1479.3 | 1466.4 | 1520.7 | 1107.9 |
| 42.5° | 1858.5 | 1845.6 | 1831.4 | 1683.8 | 1581.6 | 1435.3 | 1590.6 | 1620.4 | 1645.0 | 1634.6 | 1182.9 |
| 45° | 1770.5 | 1758.9 | 1758.9 | 1663.1 | 1568.6 | 1459.9 | 1668.3 | 1765.3 | 1800.3 | 1761.5 | 1280.0 |
| 47.5° | 1678.6 | 1669.6 | 1670.9 | 1606.2 | 1544.0 | 1483.2 | 1764.1 | 1883.1 | 1975.0 | 1928.4 | 1419.8 |
| 50° | 1551.8 | 1547.9 | 1567.3 | 1551.8 | 1514.3 | 1485.8 | 1868.9 | 2078.6 | 2249.4 | 2233.9 | 1632.0 |
| 52.5° | 1365.4 | 1368.0 | 1422.4 | 1457.3 | 1454.7 | 1467.7 | 1918.1 | 2266.2 | 2596.3 | 2554.8 | 1795.1 |
| 55° | 1204.9 | 1195.9 | 1239.9 | 1320.1 | 1347.3 | 1436.6 | 1945.2 | 2316.7 | 2773.6 | 2733.4 | 1933.6 |
| 57.5° | 1003.0 | 1004.3 | 1053.5 | 1136.3 | 1210.1 | 1364.1 | 1968.5 | 2408.6 | 3001.4 | 2954.8 | 2126.4 |
| 60° | 750.7 | 776.5 | 830.9 | 915.0 | 1022.5 | 1243.8 | 1964.7 | 2534.1 | 3274.4 | 3244.7 | 2347.8 |
| 62.5° | 490.5 | 499.6 | 575.9 | 658.8 | 824.4 | 1088.5 | 1897.4 | 2624.7 | 3533.3 | 3478.9 | 2494.0 |
| 65° | 286.0 | 302.9 | 337.8 | 416.7 | 581.1 | 871.0 | 1735.6 | 2606.6 | 3643.3 | 3603.2 | 2521.2 |
| 67.5° | 192.8 | 195.4 | 212.3 | 257.6 | 363.7 | 626.4 | 1465.1 | 2435.8 | 3618.7 | 3582.5 | 2446.1 |
| 70° | 161.8 | 163.1 | 168.3 | 173.4 | 209.7 | 405.1 | 1062.6 | 2095.4 | 3416.8 | 3389.6 | 2263.6 |
| 72.5° | 145.0 | 146.2 | 148.8 | 145.0 | 147.5 | 234.3 | 697.6 | 1738.2 | 3027.2 | 2993.6 | 1960.8 |
| 75° | 132.0 | 132.0 | 132.0 | 129.4 | 125.5 | 143.7 | 388.3 | 1334.4 | 2433.2 | 2362.0 | 1491.0 |
| 77.5° | 115.2 | 115.2 | 113.9 | 113.9 | 112.6 | 107.4 | 190.3 | 942.2 | 1635.9 | 1566.0 | 880.1 |
| 80° | 94.5 | 94.5 | 94.5 | 95.8 | 94.5 | 80.2 | 102.2 | 566.9 | 792.1 | 776.5 | 340.4 |
| 82.5° | 56.9 | 58.2 | 66.0 | 76.4 | 75.1 | 56.9 | 68.6 | 261.4 | 240.7 | 226.5 | 106.1 |
| 85° | 7.8 | 6.5 | 18.1 | 25.9 | 31.1 | 20.7 | 28.5 | 59.5 | 55.7 | 58.2 | 25.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 2.6 | 3.9 | 3.9 | 3.9 | 3.9 | 3.9 |
| 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° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 2.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 | 0.0 |
| 5° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 1.3 | 1.3 | 1.3 | 1.3 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 20.7 | 19.4 | 12.9 | 5.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.3 | 1.3 |
| 15° | 117.8 | 107.4 | 98.4 | 82.8 | 16.8 | 2.6 | 1.3 | 9.1 | 20.7 | 46.6 | 47.9 |
| 17.5° | 134.6 | 121.7 | 110.0 | 102.2 | 91.9 | 27.2 | 19.4 | 94.5 | 99.7 | 99.7 | 99.7 |
| 20° | 260.1 | 230.4 | 159.2 | 115.2 | 99.7 | 82.8 | 90.6 | 102.2 | 106.1 | 107.4 | 107.4 |
| 22.5° | 299.0 | 258.8 | 223.9 | 196.7 | 115.2 | 142.4 | 133.3 | 111.3 | 174.7 | 179.9 | 181.2 |
| 25° | 340.4 | 292.5 | 236.8 | 205.8 | 195.4 | 146.2 | 152.7 | 172.1 | 185.1 | 185.1 | 185.1 |
| 27.5° | 499.6 | 409.0 | 330.0 | 236.8 | 209.7 | 178.6 | 187.7 | 177.3 | 191.5 | 234.3 | 242.0 |
| 30° | 534.5 | 427.1 | 328.7 | 264.0 | 222.6 | 208.4 | 187.7 | 231.7 | 248.5 | 248.5 | 247.2 |
| 32.5° | 730.0 | 559.1 | 406.4 | 262.7 | 240.7 | 205.8 | 225.2 | 239.4 | 251.1 | 267.9 | 274.4 |
| 35° | 759.7 | 557.8 | 390.9 | 302.9 | 236.8 | 216.1 | 229.1 | 255.0 | 297.7 | 304.1 | 300.3 |
| 37.5° | 783.0 | 547.5 | 367.6 | 288.6 | 255.0 | 225.2 | 235.6 | 279.6 | 299.0 | 296.4 | 291.2 |
| 40° | 810.2 | 533.2 | 341.7 | 278.3 | 245.9 | 225.2 | 251.1 | 278.3 | 286.0 | 274.4 | 271.8 |
| 42.5° | 843.8 | 515.1 | 318.4 | 265.3 | 236.8 | 223.9 | 248.5 | 262.7 | 262.7 | 260.1 | 257.6 |
| 45° | 890.4 | 498.3 | 296.4 | 251.1 | 233.0 | 218.7 | 242.0 | 242.0 | 257.6 | 255.0 | 253.7 |
| 47.5° | 972.0 | 481.5 | 277.0 | 239.4 | 227.8 | 212.3 | 225.2 | 234.3 | 252.4 | 251.1 | 249.8 |
| 50° | 1060.0 | 463.3 | 261.4 | 231.7 | 222.6 | 204.5 | 205.8 | 226.5 | 247.2 | 245.9 | 244.6 |
| 52.5° | 1115.6 | 431.0 | 249.8 | 229.1 | 217.4 | 196.7 | 199.3 | 220.0 | 243.3 | 240.7 | 238.1 |
| 55° | 1157.1 | 402.5 | 242.0 | 227.8 | 212.3 | 178.6 | 194.1 | 214.8 | 238.1 | 234.3 | 231.7 |
| 57.5° | 1214.0 | 379.2 | 236.8 | 230.4 | 208.4 | 165.7 | 187.7 | 209.7 | 233.0 | 229.1 | 229.1 |
| 60° | 1269.7 | 359.8 | 231.7 | 231.7 | 207.1 | 159.2 | 182.5 | 205.8 | 227.8 | 226.5 | 226.5 |
| 62.5° | 1268.4 | 336.5 | 222.6 | 230.4 | 205.8 | 154.0 | 178.6 | 201.9 | 222.6 | 223.9 | 222.6 |
| 65° | 1158.3 | 306.7 | 209.7 | 222.6 | 196.7 | 150.1 | 173.4 | 201.9 | 217.4 | 218.7 | 218.7 |
| 67.5° | 1018.6 | 269.2 | 189.0 | 209.7 | 181.2 | 147.5 | 169.5 | 198.0 | 208.4 | 214.8 | 214.8 |
| 70° | 859.4 | 221.3 | 163.1 | 191.5 | 165.7 | 145.0 | 169.5 | 191.5 | 198.0 | 211.0 | 209.7 |
| 72.5° | 704.1 | 174.7 | 135.9 | 167.0 | 148.8 | 142.4 | 170.8 | 182.5 | 185.1 | 201.9 | 196.7 |
| 75° | 535.8 | 132.0 | 108.7 | 135.9 | 128.1 | 139.8 | 168.3 | 169.5 | 168.3 | 173.4 | 165.7 |
| 77.5° | 348.2 | 99.7 | 88.0 | 103.5 | 106.1 | 133.3 | 163.1 | 154.0 | 146.2 | 142.4 | 138.5 |
| 80° | 159.2 | 71.2 | 67.3 | 80.2 | 78.9 | 123.0 | 154.0 | 137.2 | 125.5 | 119.1 | 113.9 |
| 82.5° | 64.7 | 46.6 | 46.6 | 58.2 | 54.4 | 107.4 | 138.5 | 117.8 | 103.5 | 98.4 | 95.8 |
| 85° | 18.1 | 19.4 | 20.7 | 31.1 | 32.4 | 82.8 | 111.3 | 91.9 | 75.1 | 111.3 | 102.2 |
| 87.5° | 2.6 | 2.6 | 2.6 | 3.9 | 3.9 | 5.2 | 15.5 | 20.7 | 27.2 | 11.6 | 10.4 |
| 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)