

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: P695165

Luminaire Tested: **LXF.LXT-PA16-40-750-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695165
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-PA16-40-750-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4679 lumens
Efficiency: N/A
Efficacy: 116.4 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

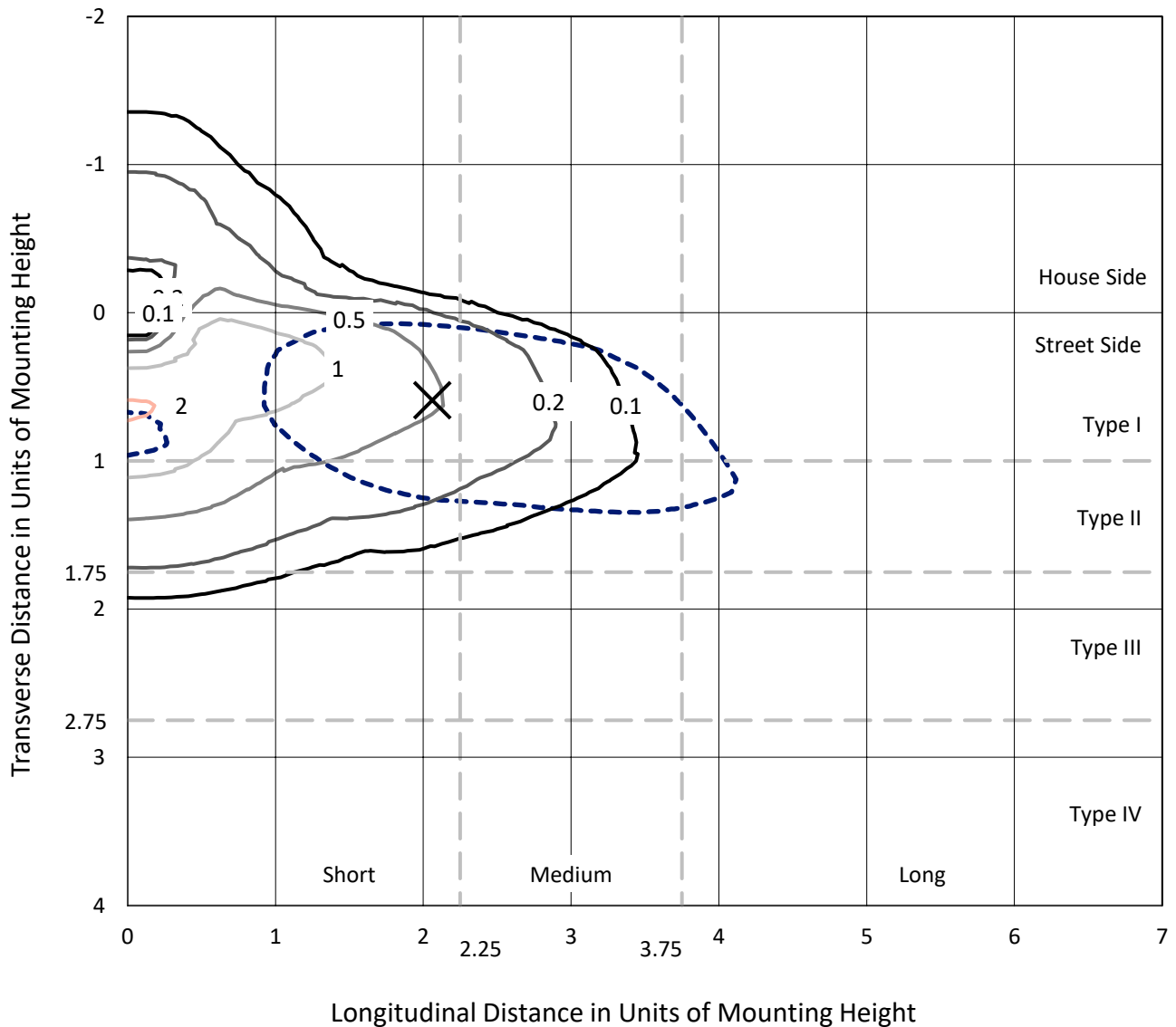
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

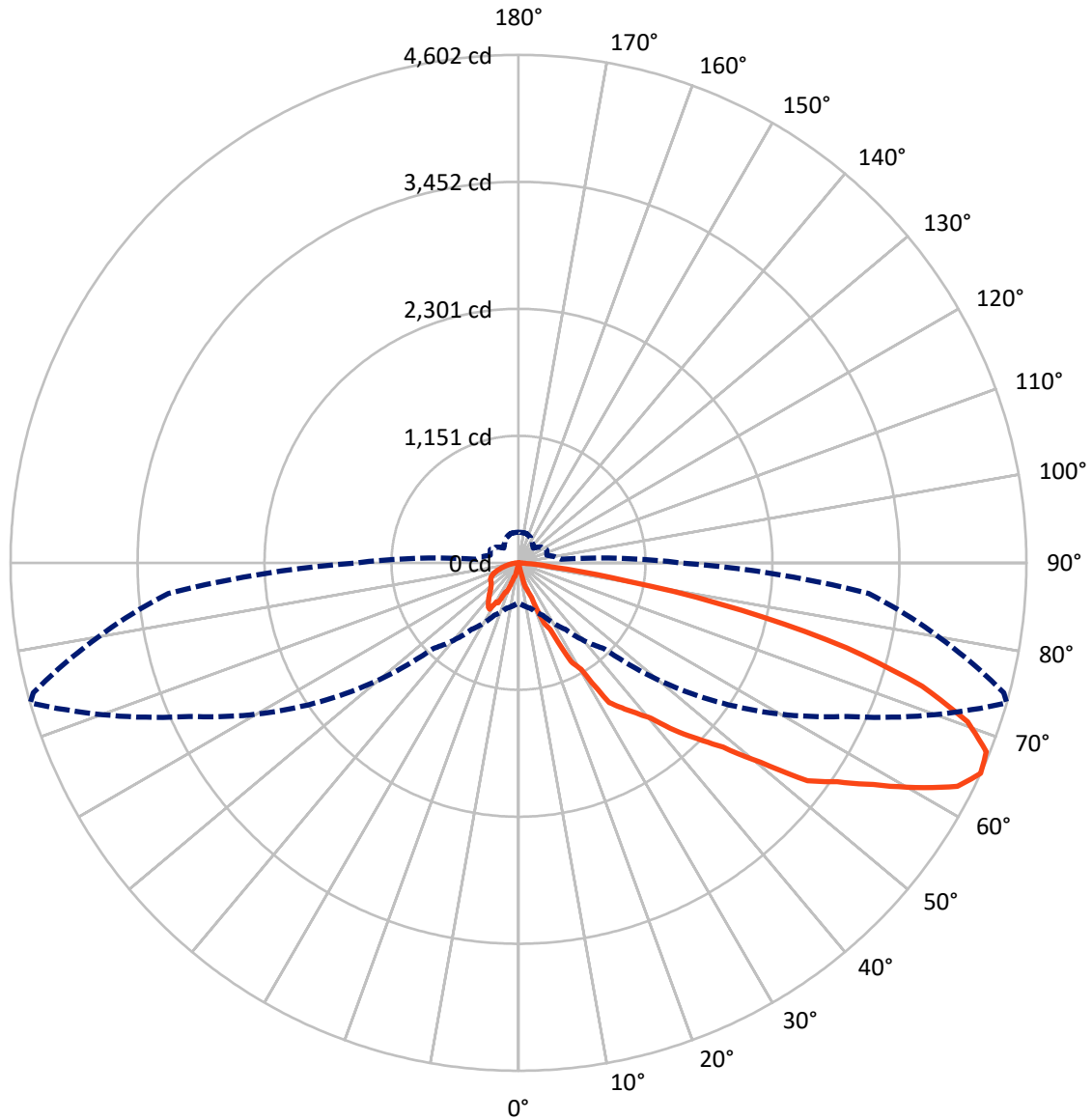
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 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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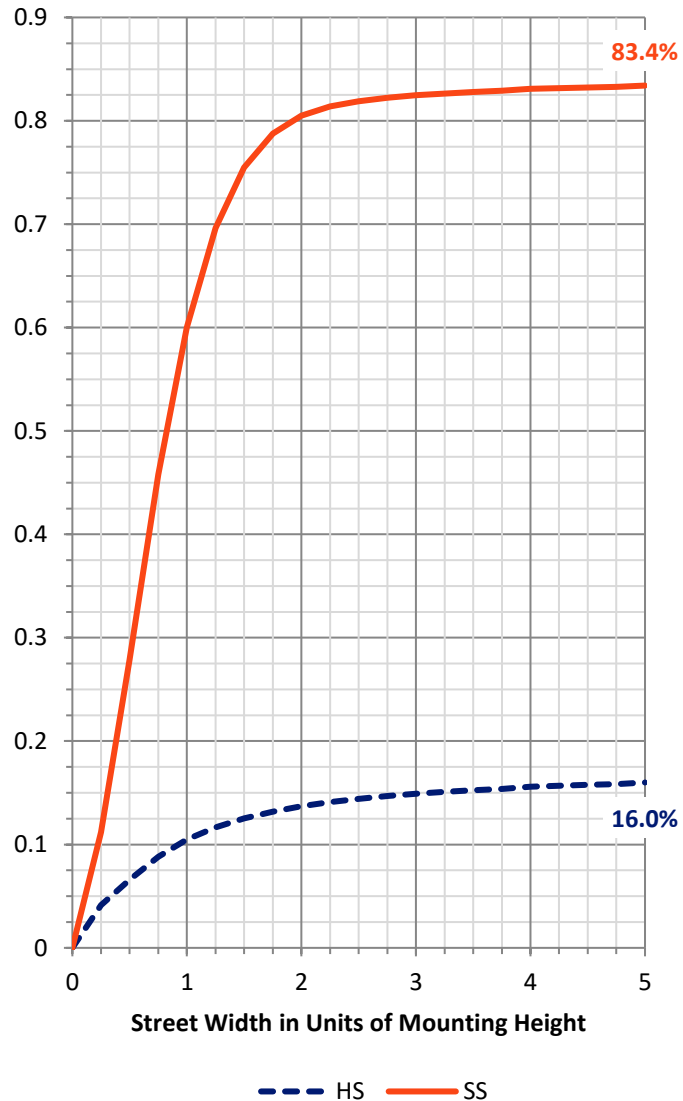
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 766.7 | 0.0 | 766.7 |
| | % Fixture | 16.4 | 0.0 | 16.4 |
| Street Side | Lumens | 3912.3 | 0.0 | 3912.3 |
| | % Fixture | 83.6 | 0.0 | 83.6 |
| Total | Lumens | 4679.0 | 0.0 | 4679.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.1 | 0.0 |
| 10°-20° | 45.7 | 1.0 |
| 20°-30° | 275.9 | 5.9 |
| 30°-40° | 668.1 | 14.3 |
| 40°-50° | 936.4 | 20.0 |
| 50°-60° | 1106.2 | 23.6 |
| 60°-70° | 1014.5 | 21.7 |
| 70°-80° | 549.6 | 11.7 |
| 80°-90° | 82.4 | 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° | 4679.0 | 100.0 |
| 0°-180° | 4679.0 | 100.0 |

Coefficient of Utilization



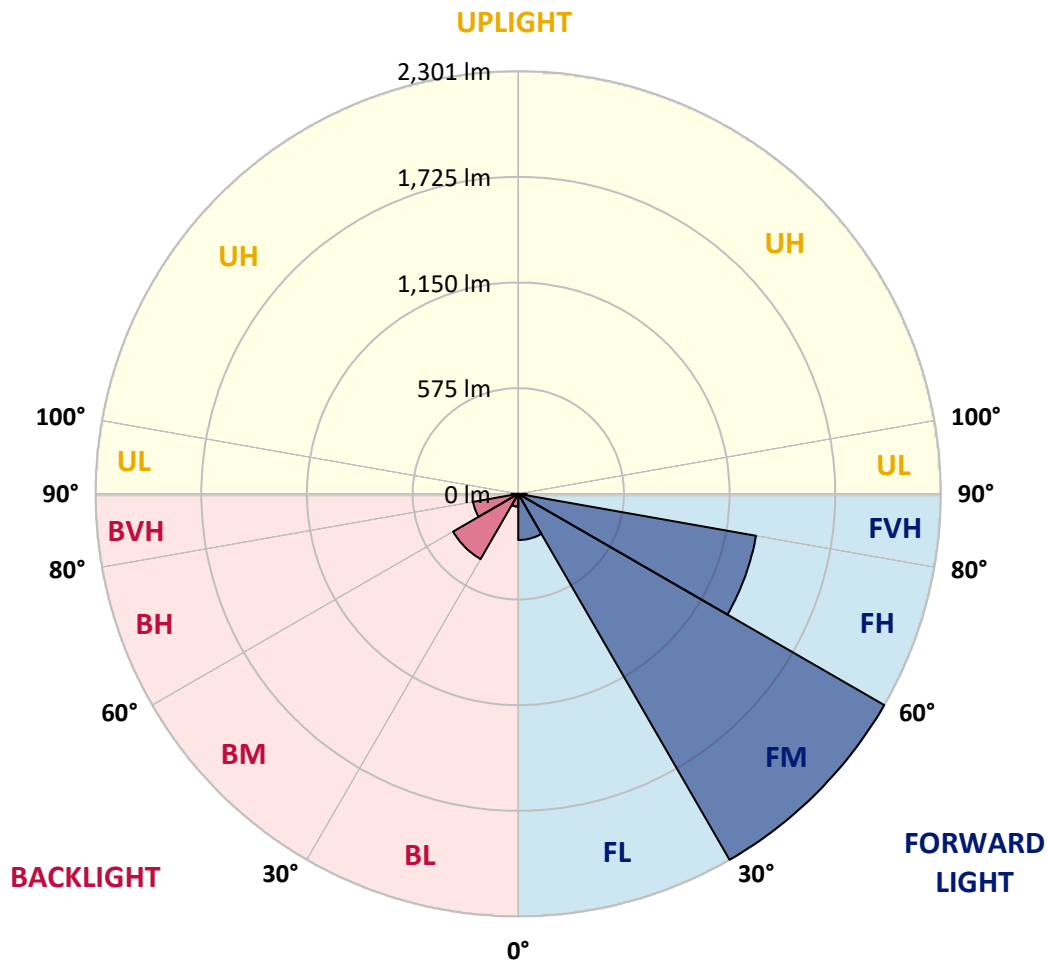
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 251.7 | 5.4 | | | |
| FM (30°-60°) | 2300.6 | 49.2 | | | |
| FH (60°-80°) | 1314.4 | 28.1 | | | G1/1800 |
| FVH (80°-90°) | 45.6 | 1.0 | | | G1/100 |
| BL (0°-30°) | 70.1 | 1.5 | B0/110 | | |
| BM (30°-60°) | 410.1 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 249.7 | 5.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 36.8 | 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 7.5° | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 10° | 22.9 | 21.3 | 16.3 | 9.8 | 4.9 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 12.5° | 281.2 | 281.2 | 277.9 | 255.0 | 32.7 | 11.4 | 3.3 | 8.2 | 16.3 | 19.6 | 21.3 |
| 15° | 318.8 | 315.5 | 315.5 | 312.3 | 304.1 | 70.3 | 31.1 | 245.2 | 224.0 | 217.4 | 166.8 |
| 17.5° | 492.1 | 555.9 | 377.7 | 351.5 | 341.7 | 281.2 | 268.1 | 289.4 | 256.7 | 251.8 | 192.9 |
| 20° | 748.8 | 748.8 | 743.9 | 735.7 | 397.3 | 547.7 | 515.0 | 331.9 | 336.8 | 405.5 | 384.2 |
| 22.5° | 837.1 | 833.8 | 817.5 | 806.0 | 866.5 | 593.5 | 559.1 | 609.8 | 595.1 | 590.2 | 451.2 |
| 25° | 1343.9 | 1329.2 | 1306.3 | 918.8 | 948.3 | 833.8 | 830.5 | 779.9 | 667.1 | 655.6 | 518.3 |
| 27.5° | 1469.8 | 1458.4 | 1438.7 | 1311.2 | 1084.0 | 1095.4 | 869.8 | 935.2 | 1010.4 | 1016.9 | 778.2 |
| 30° | 2096.0 | 2078.0 | 1852.4 | 1453.5 | 1373.3 | 1193.5 | 1214.8 | 1185.3 | 1118.3 | 1092.1 | 840.4 |
| 32.5° | 2238.2 | 2228.4 | 2185.9 | 1896.5 | 1492.7 | 1414.2 | 1360.3 | 1307.9 | 1509.0 | 1474.7 | 1182.1 |
| 35° | 2351.0 | 2333.0 | 2290.5 | 1968.5 | 1824.6 | 1643.1 | 1486.1 | 1644.7 | 1615.3 | 1582.6 | 1245.8 |
| 37.5° | 2413.2 | 2393.5 | 2351.0 | 2048.6 | 1912.9 | 1724.8 | 1762.5 | 1744.5 | 1724.8 | 1711.8 | 1314.5 |
| 40° | 2401.7 | 2385.4 | 2359.2 | 2100.9 | 1966.8 | 1775.5 | 1896.5 | 1868.7 | 1852.4 | 1921.0 | 1399.5 |
| 42.5° | 2347.8 | 2331.4 | 2313.4 | 2127.0 | 1997.9 | 1813.1 | 2009.3 | 2046.9 | 2078.0 | 2064.9 | 1494.3 |
| 45° | 2236.6 | 2221.9 | 2221.9 | 2100.9 | 1981.5 | 1844.2 | 2107.4 | 2230.0 | 2274.2 | 2225.1 | 1616.9 |
| 47.5° | 2120.5 | 2109.1 | 2110.7 | 2028.9 | 1950.5 | 1873.6 | 2228.4 | 2378.8 | 2494.9 | 2436.0 | 1793.5 |
| 50° | 1960.3 | 1955.4 | 1979.9 | 1960.3 | 1912.9 | 1876.9 | 2360.8 | 2625.7 | 2841.5 | 2821.9 | 2061.6 |
| 52.5° | 1724.8 | 1728.1 | 1796.8 | 1840.9 | 1837.7 | 1854.0 | 2423.0 | 2862.8 | 3279.7 | 3227.3 | 2267.6 |
| 55° | 1522.1 | 1510.7 | 1566.3 | 1667.6 | 1702.0 | 1814.8 | 2457.3 | 2926.5 | 3503.6 | 3453.0 | 2442.6 |
| 57.5° | 1267.1 | 1268.7 | 1330.8 | 1435.5 | 1528.7 | 1723.2 | 2486.7 | 3042.6 | 3791.4 | 3732.5 | 2686.2 |
| 60° | 948.3 | 981.0 | 1049.6 | 1155.9 | 1291.6 | 1571.2 | 2481.8 | 3201.2 | 4136.4 | 4098.8 | 2965.8 |
| 62.5° | 619.6 | 631.1 | 727.5 | 832.2 | 1041.4 | 1375.0 | 2396.8 | 3315.6 | 4463.4 | 4394.7 | 3150.5 |
| 65° | 361.3 | 382.6 | 426.7 | 526.4 | 734.1 | 1100.3 | 2192.4 | 3292.7 | 4602.3 | 4551.6 | 3184.8 |
| 67.5° | 243.6 | 246.9 | 268.1 | 325.4 | 459.4 | 791.3 | 1850.7 | 3076.9 | 4571.3 | 4525.5 | 3090.0 |
| 70° | 204.4 | 206.0 | 212.5 | 219.1 | 264.9 | 511.7 | 1342.3 | 2646.9 | 4316.2 | 4281.9 | 2859.5 |
| 72.5° | 183.1 | 184.7 | 188.0 | 183.1 | 186.4 | 295.9 | 881.2 | 2195.7 | 3824.1 | 3781.6 | 2476.9 |
| 75° | 166.8 | 166.8 | 166.8 | 163.5 | 158.6 | 181.5 | 490.5 | 1685.6 | 3073.7 | 2983.7 | 1883.4 |
| 77.5° | 145.5 | 145.5 | 143.9 | 143.9 | 142.2 | 135.7 | 240.3 | 1190.2 | 2066.5 | 1978.3 | 1111.8 |
| 80° | 119.3 | 119.3 | 119.3 | 121.0 | 119.3 | 101.4 | 129.2 | 716.1 | 1000.6 | 981.0 | 430.0 |
| 82.5° | 71.9 | 73.6 | 83.4 | 96.5 | 94.8 | 71.9 | 86.7 | 330.3 | 304.1 | 286.1 | 134.1 |
| 85° | 9.8 | 8.2 | 22.9 | 32.7 | 39.2 | 26.2 | 36.0 | 75.2 | 70.3 | 73.6 | 32.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 3.3 | 4.9 | 4.9 | 4.9 | 4.9 | 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° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 2.5° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 | 0.0 |
| 5° | 1.6 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 10° | 1.6 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 12.5° | 26.2 | 24.5 | 16.3 | 6.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 1.6 |
| 15° | 148.8 | 135.7 | 124.3 | 104.6 | 21.3 | 3.3 | 1.6 | 11.4 | 26.2 | 58.9 | 60.5 |
| 17.5° | 170.0 | 153.7 | 139.0 | 129.2 | 116.1 | 34.3 | 24.5 | 119.3 | 125.9 | 125.9 | 125.9 |
| 20° | 328.6 | 291.0 | 201.1 | 145.5 | 125.9 | 104.6 | 114.4 | 129.2 | 134.1 | 135.7 | 135.7 |
| 22.5° | 377.7 | 327.0 | 282.8 | 248.5 | 145.5 | 179.8 | 168.4 | 140.6 | 220.7 | 227.3 | 228.9 |
| 25° | 430.0 | 369.5 | 299.2 | 260.0 | 246.9 | 184.7 | 192.9 | 217.4 | 233.8 | 233.8 | 233.8 |
| 27.5° | 631.1 | 516.6 | 416.9 | 299.2 | 264.9 | 225.6 | 237.1 | 224.0 | 242.0 | 295.9 | 305.7 |
| 30° | 675.2 | 539.5 | 415.3 | 333.5 | 281.2 | 263.2 | 237.1 | 292.7 | 313.9 | 313.9 | 312.3 |
| 32.5° | 922.1 | 706.3 | 513.4 | 331.9 | 304.1 | 260.0 | 284.5 | 302.5 | 317.2 | 338.4 | 346.6 |
| 35° | 959.7 | 704.7 | 493.7 | 382.6 | 299.2 | 273.0 | 289.4 | 322.1 | 376.0 | 384.2 | 379.3 |
| 37.5° | 989.1 | 691.6 | 464.3 | 364.6 | 322.1 | 284.5 | 297.6 | 353.1 | 377.7 | 374.4 | 367.9 |
| 40° | 1023.5 | 673.6 | 431.6 | 351.5 | 310.6 | 284.5 | 317.2 | 351.5 | 361.3 | 346.6 | 343.3 |
| 42.5° | 1066.0 | 650.7 | 402.2 | 335.2 | 299.2 | 282.8 | 313.9 | 331.9 | 331.9 | 328.6 | 325.4 |
| 45° | 1124.8 | 629.4 | 374.4 | 317.2 | 294.3 | 276.3 | 305.7 | 305.7 | 325.4 | 322.1 | 320.4 |
| 47.5° | 1227.8 | 608.2 | 349.9 | 302.5 | 287.7 | 268.1 | 284.5 | 295.9 | 318.8 | 317.2 | 315.5 |
| 50° | 1339.0 | 585.3 | 330.3 | 292.7 | 281.2 | 258.3 | 260.0 | 286.1 | 312.3 | 310.6 | 309.0 |
| 52.5° | 1409.3 | 544.4 | 315.5 | 289.4 | 274.7 | 248.5 | 251.8 | 277.9 | 307.4 | 304.1 | 300.8 |
| 55° | 1461.6 | 508.5 | 305.7 | 287.7 | 268.1 | 225.6 | 245.2 | 271.4 | 300.8 | 295.9 | 292.7 |
| 57.5° | 1533.6 | 479.0 | 299.2 | 291.0 | 263.2 | 209.3 | 237.1 | 264.9 | 294.3 | 289.4 | 289.4 |
| 60° | 1603.9 | 454.5 | 292.7 | 292.7 | 261.6 | 201.1 | 230.5 | 260.0 | 287.7 | 286.1 | 286.1 |
| 62.5° | 1602.2 | 425.1 | 281.2 | 291.0 | 260.0 | 194.6 | 225.6 | 255.0 | 281.2 | 282.8 | 281.2 |
| 65° | 1463.3 | 387.5 | 264.9 | 281.2 | 248.5 | 189.7 | 219.1 | 255.0 | 274.7 | 276.3 | 276.3 |
| 67.5° | 1286.7 | 340.1 | 238.7 | 264.9 | 228.9 | 186.4 | 214.2 | 250.1 | 263.2 | 271.4 | 271.4 |
| 70° | 1085.6 | 279.6 | 206.0 | 242.0 | 209.3 | 183.1 | 214.2 | 242.0 | 250.1 | 266.5 | 264.9 |
| 72.5° | 889.4 | 220.7 | 171.7 | 210.9 | 188.0 | 179.8 | 215.8 | 230.5 | 233.8 | 255.0 | 248.5 |
| 75° | 676.9 | 166.8 | 137.3 | 171.7 | 161.9 | 176.6 | 212.5 | 214.2 | 212.5 | 219.1 | 209.3 |
| 77.5° | 439.8 | 125.9 | 111.2 | 130.8 | 134.1 | 168.4 | 206.0 | 194.6 | 184.7 | 179.8 | 174.9 |
| 80° | 201.1 | 89.9 | 85.0 | 101.4 | 99.7 | 155.3 | 194.6 | 173.3 | 158.6 | 150.4 | 143.9 |
| 82.5° | 81.7 | 58.9 | 58.9 | 73.6 | 68.7 | 135.7 | 174.9 | 148.8 | 130.8 | 124.3 | 121.0 |
| 85° | 22.9 | 24.5 | 26.2 | 39.2 | 40.9 | 104.6 | 140.6 | 116.1 | 94.8 | 140.6 | 129.2 |
| 87.5° | 3.3 | 3.3 | 3.3 | 4.9 | 4.9 | 6.5 | 19.6 | 26.2 | 34.3 | 14.7 | 13.1 |
| 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)