

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: P695070

Luminaire Tested: **LXF.LXT-PA16-40-730-U-SL3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-26)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-40-730-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4140 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

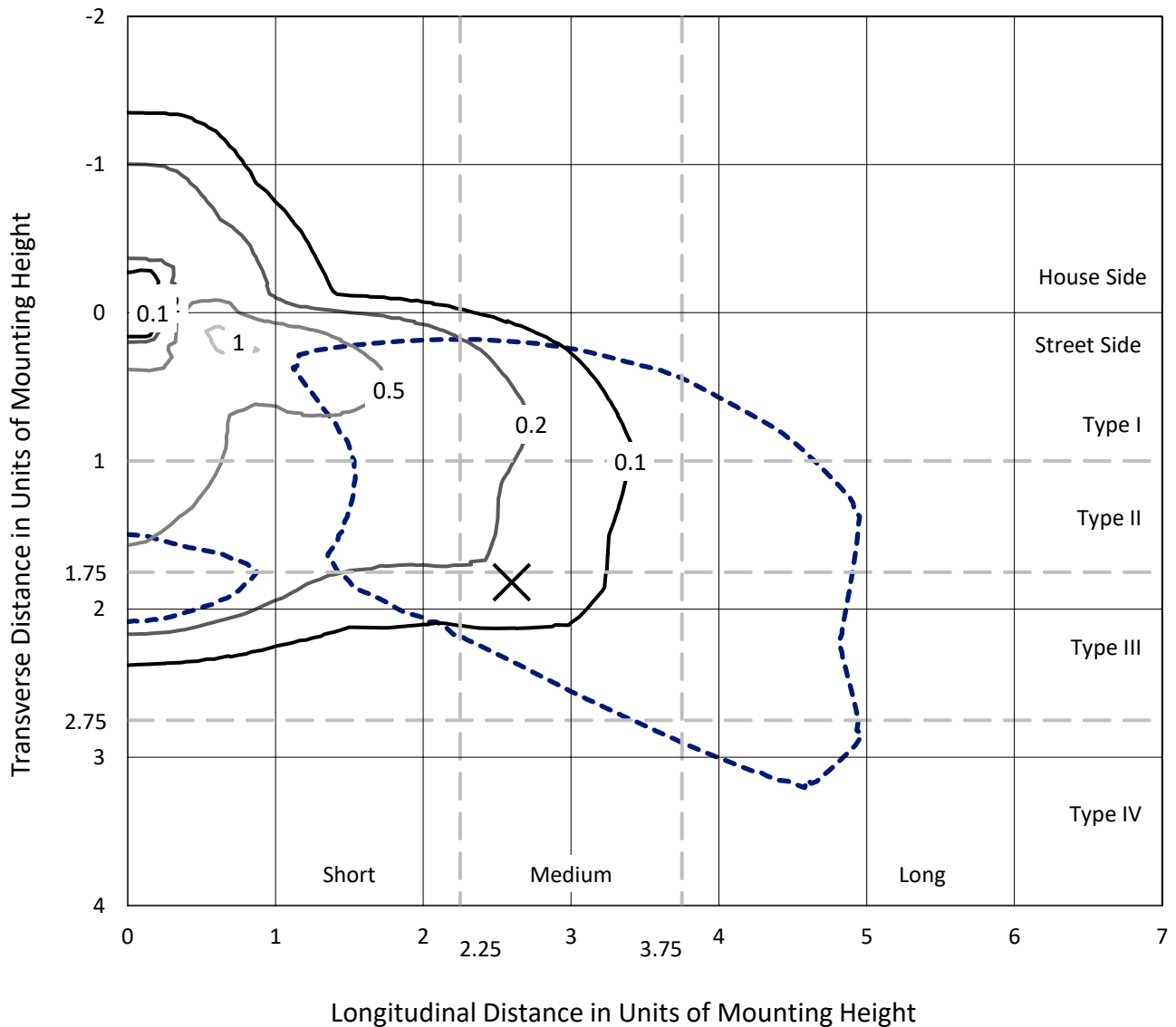
Input Watts (W): 40.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

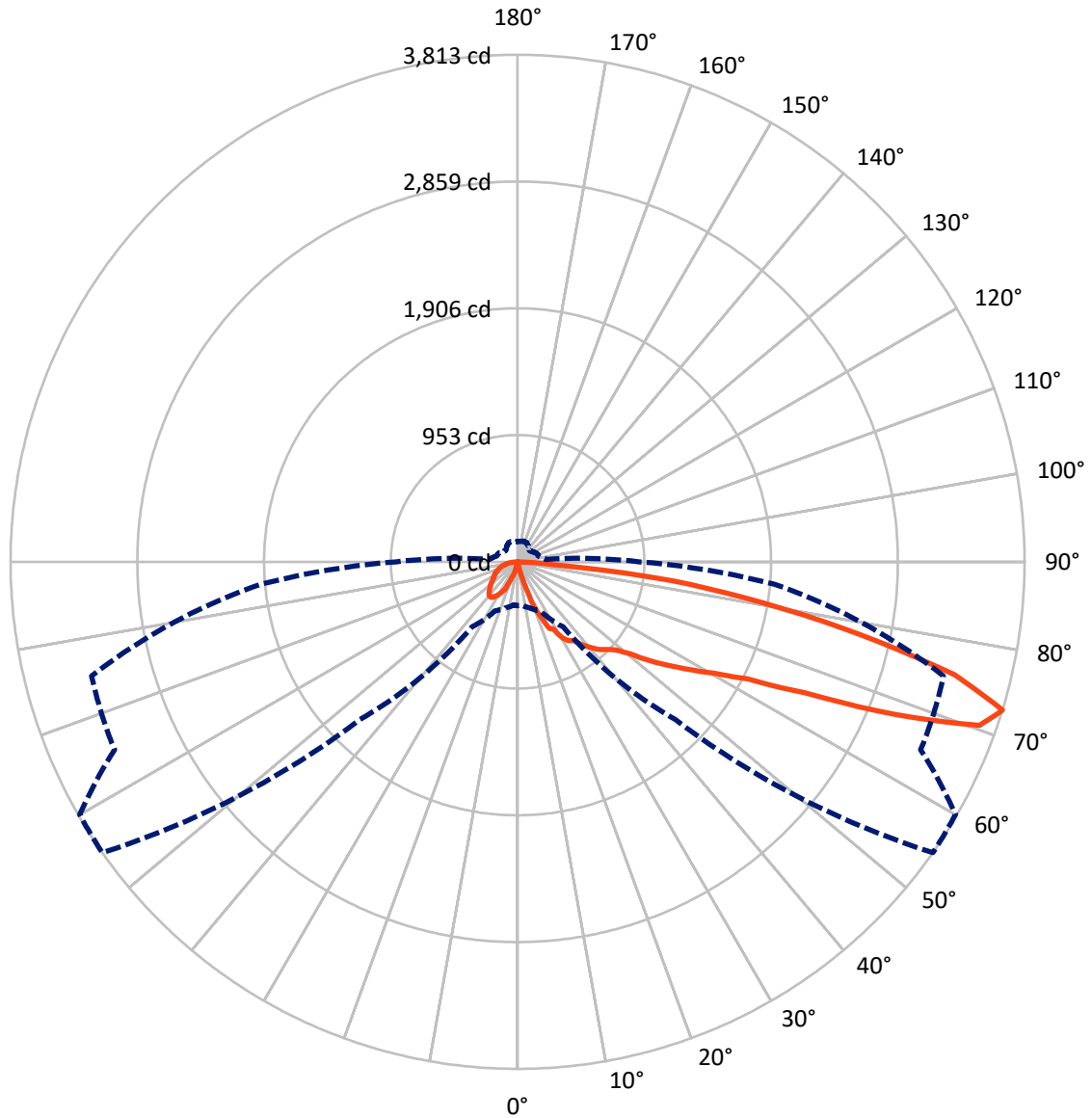
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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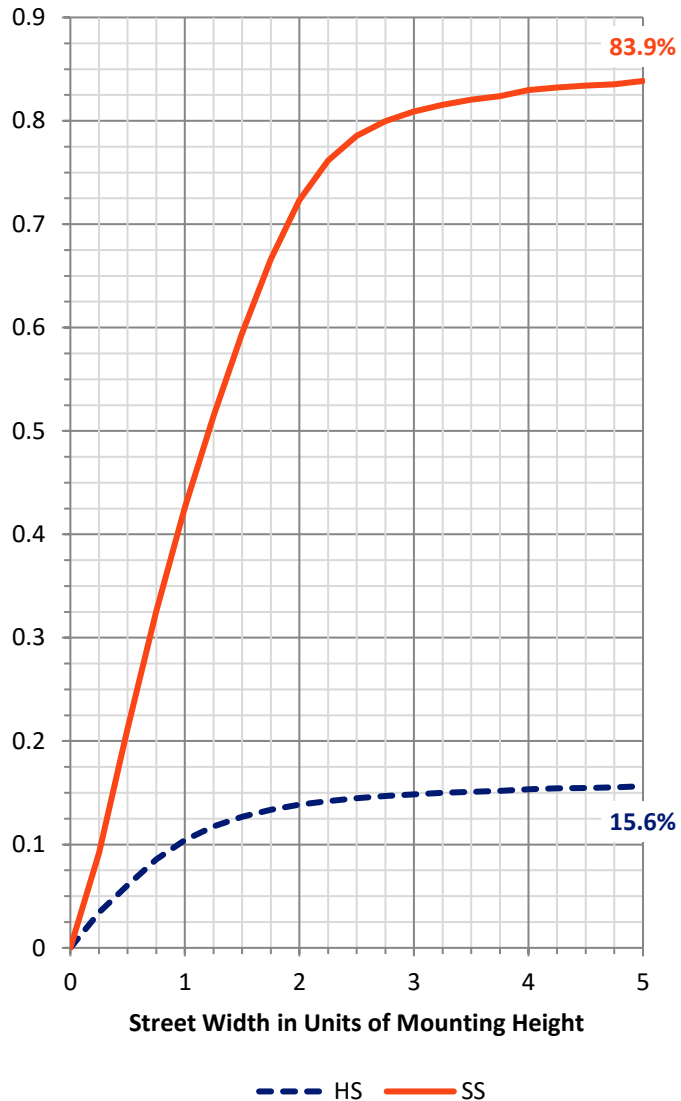
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 657.7 | 0.0 | 657.7 |
| | % Fixture | 15.9 | 0.0 | 15.9 |
| Street Side | Lumens | 3482.3 | 0.0 | 3482.3 |
| | % Fixture | 84.1 | 0.0 | 84.1 |
| Total | Lumens | 4140.0 | 0.0 | 4140.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 0.2 | 0.0 |
| 10°-20° | 40.0 | 1.0 |
| 20°-30° | 187.4 | 4.5 |
| 30°-40° | 399.0 | 9.6 |
| 40°-50° | 581.1 | 14.0 |
| 50°-60° | 846.7 | 20.5 |
| 60°-70° | 1123.7 | 27.1 |
| 70°-80° | 827.3 | 20.0 |
| 80°-90° | 134.6 | 3.3 |
| 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° | 4140.0 | 100.0 |
| 0°-180° | 4140.0 | 100.0 |

Coefficient of Utilization

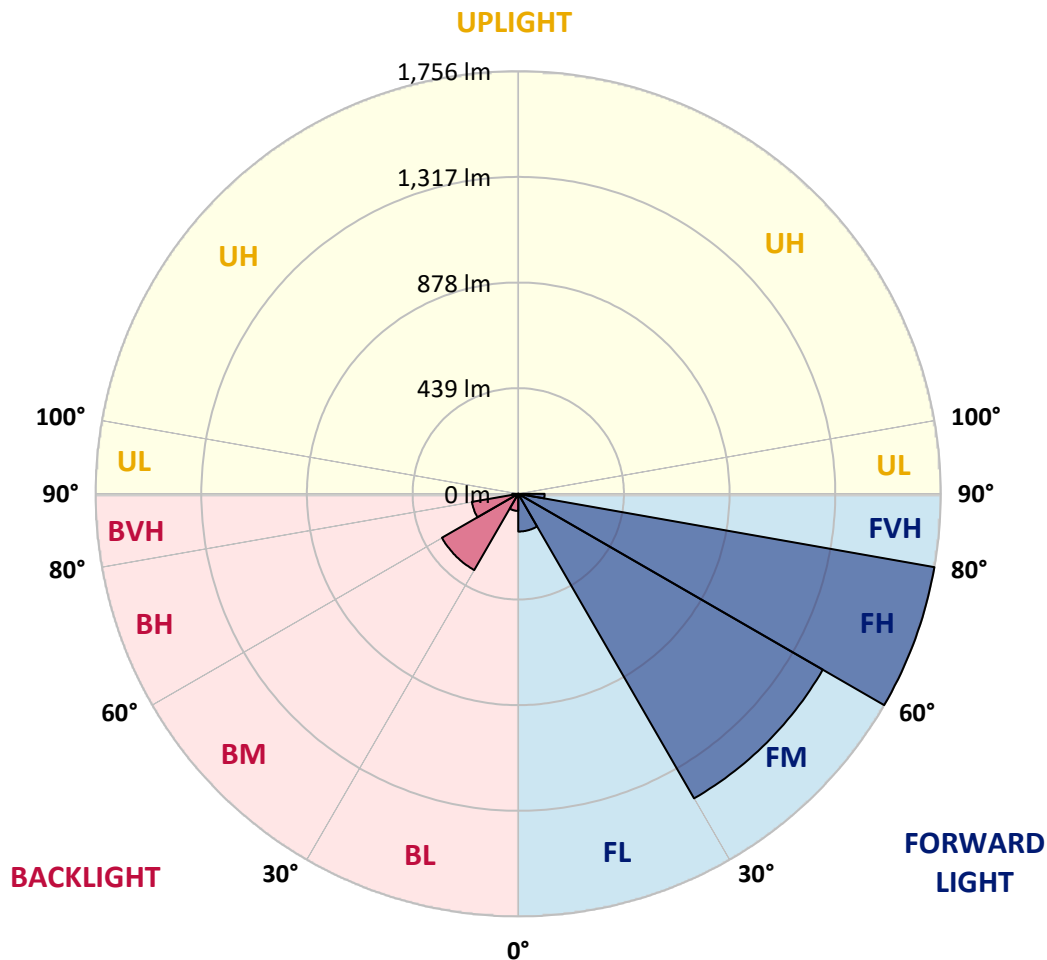


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 156.7 | 3.8 | | | |
| FM (30°-60°) | 1460.8 | 35.3 | | | |
| FH (60°-80°) | 1755.5 | 42.4 | | | G1/1800 |
| FVH (80°-90°) | 109.3 | 2.6 | | | G2/225 |
| BL (0°-30°) | 70.9 | 1.7 | B0/110 | | |
| BM (30°-60°) | 366.0 | 8.8 | B1/1000 | | |
| BH (60°-80°) | 195.5 | 4.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 25.3 | 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-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 5° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 7.5° | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 10° | 29.8 | 31.3 | 25.4 | 11.9 | 4.5 | 1.5 | 1.5 | 1.5 | 3.0 | 3.0 | 4.5 |
| 12.5° | 237.3 | 240.2 | 235.8 | 95.5 | 44.8 | 9.0 | 6.0 | 10.4 | 16.4 | 25.4 | 100.0 |
| 15° | 235.8 | 235.8 | 240.2 | 247.7 | 247.7 | 52.2 | 104.5 | 135.8 | 189.5 | 246.2 | 243.2 |
| 17.5° | 249.2 | 247.7 | 241.7 | 238.8 | 255.2 | 291.0 | 220.9 | 265.6 | 270.1 | 279.0 | 273.1 |
| 20° | 362.6 | 362.6 | 362.6 | 344.7 | 258.2 | 358.1 | 373.1 | 301.4 | 304.4 | 425.3 | 413.3 |
| 22.5° | 396.9 | 395.4 | 383.5 | 374.5 | 389.5 | 355.2 | 450.7 | 517.8 | 510.3 | 579.0 | 543.2 |
| 25° | 565.6 | 549.1 | 520.8 | 413.3 | 431.3 | 416.3 | 556.6 | 638.7 | 577.5 | 629.7 | 681.9 |
| 27.5° | 659.6 | 647.6 | 622.3 | 562.6 | 459.6 | 504.4 | 570.0 | 671.5 | 784.9 | 899.8 | 808.8 |
| 30° | 883.4 | 871.5 | 746.1 | 653.6 | 570.0 | 519.3 | 664.0 | 796.9 | 923.7 | 943.1 | 843.1 |
| 32.5° | 916.2 | 917.7 | 923.7 | 835.6 | 670.0 | 574.5 | 707.3 | 823.7 | 987.9 | 1184.8 | 1047.5 |
| 35° | 937.1 | 935.6 | 935.6 | 867.0 | 798.3 | 679.0 | 728.2 | 926.7 | 1135.6 | 1256.5 | 1037.1 |
| 37.5° | 999.8 | 995.3 | 987.9 | 883.4 | 844.6 | 753.6 | 793.9 | 953.5 | 1217.7 | 1368.4 | 1026.7 |
| 40° | 1075.9 | 1080.4 | 1061.0 | 928.2 | 875.9 | 810.3 | 846.1 | 965.5 | 1314.7 | 1459.4 | 1022.2 |
| 42.5° | 1183.3 | 1177.4 | 1144.5 | 1002.8 | 922.2 | 835.6 | 902.8 | 996.8 | 1386.3 | 1581.8 | 1031.1 |
| 45° | 1304.2 | 1289.3 | 1243.0 | 1105.7 | 990.8 | 850.6 | 940.1 | 1053.5 | 1450.4 | 1720.5 | 1062.5 |
| 47.5° | 1429.6 | 1410.2 | 1344.5 | 1189.3 | 1062.5 | 878.9 | 987.9 | 1126.6 | 1523.6 | 1896.6 | 1120.7 |
| 50° | 1548.9 | 1535.5 | 1451.9 | 1277.3 | 1137.1 | 931.2 | 1078.9 | 1237.1 | 1623.5 | 2072.7 | 1219.2 |
| 52.5° | 1668.3 | 1645.9 | 1543.0 | 1366.9 | 1208.7 | 996.8 | 1228.1 | 1399.7 | 1757.8 | 2250.3 | 1326.6 |
| 55° | 1796.6 | 1766.8 | 1634.0 | 1454.9 | 1268.4 | 1084.9 | 1372.9 | 1568.3 | 1917.5 | 2463.7 | 1459.4 |
| 57.5° | 2010.0 | 1989.1 | 1799.6 | 1586.2 | 1353.5 | 1192.3 | 1529.5 | 1737.0 | 2089.1 | 2659.2 | 1592.2 |
| 60° | 2251.8 | 2214.5 | 2027.9 | 1814.6 | 1531.0 | 1359.4 | 1702.6 | 1925.0 | 2253.3 | 2847.2 | 1739.9 |
| 62.5° | 2242.8 | 2205.5 | 2074.2 | 1951.8 | 1759.3 | 1638.5 | 1939.9 | 2119.0 | 2393.5 | 3024.8 | 1871.3 |
| 65° | 1781.7 | 1787.7 | 1783.2 | 1804.1 | 1823.5 | 2030.9 | 2371.2 | 2404.0 | 2614.4 | 3190.4 | 1996.6 |
| 67.5° | 969.9 | 961.0 | 1071.4 | 1287.8 | 1587.7 | 2280.1 | 3069.5 | 2863.6 | 2887.5 | 3345.6 | 2083.2 |
| 70° | 462.6 | 462.6 | 526.8 | 716.3 | 1138.6 | 2126.4 | 3684.3 | 3445.6 | 3181.4 | 3412.7 | 2072.7 |
| 72.5° | 329.8 | 325.3 | 359.6 | 407.4 | 595.4 | 1677.3 | 3812.6 | 3802.2 | 3344.1 | 3315.7 | 1935.4 |
| 75° | 267.1 | 270.1 | 283.5 | 308.9 | 282.0 | 986.4 | 3394.8 | 3585.8 | 3191.9 | 3009.8 | 1711.6 |
| 77.5° | 216.4 | 216.4 | 232.8 | 244.7 | 180.6 | 479.0 | 2635.3 | 2883.0 | 2530.8 | 2454.7 | 1257.9 |
| 80° | 161.2 | 161.2 | 170.1 | 195.5 | 132.8 | 202.9 | 1865.3 | 1941.4 | 1669.8 | 1514.6 | 617.8 |
| 82.5° | 98.5 | 92.5 | 104.5 | 137.3 | 95.5 | 116.4 | 1171.4 | 1056.5 | 838.6 | 470.1 | 183.5 |
| 85° | 17.9 | 20.9 | 29.8 | 47.8 | 35.8 | 43.3 | 271.6 | 198.5 | 167.1 | 80.6 | 41.8 |
| 87.5° | 0.0 | 0.0 | 0.0 | 1.5 | 3.0 | 4.5 | 6.0 | 7.5 | 7.5 | 6.0 | 4.5 |
| 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° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 2.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 | 1.5 |
| 7.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 10° | 4.5 | 4.5 | 3.0 | 1.5 | 1.5 | 0.0 | 0.0 | 0.0 | 1.5 | 1.5 | 1.5 |
| 12.5° | 104.5 | 107.4 | 26.9 | 14.9 | 4.5 | 1.5 | 0.0 | 1.5 | 3.0 | 6.0 | 7.5 |
| 15° | 235.8 | 222.3 | 171.6 | 88.0 | 50.7 | 6.0 | 3.0 | 25.4 | 68.6 | 74.6 | 79.1 |
| 17.5° | 259.6 | 241.7 | 179.1 | 125.3 | 98.5 | 47.8 | 59.7 | 95.5 | 107.4 | 113.4 | 113.4 |
| 20° | 385.0 | 338.7 | 219.4 | 146.2 | 116.4 | 126.8 | 104.5 | 113.4 | 125.3 | 135.8 | 141.8 |
| 22.5° | 493.9 | 413.3 | 253.7 | 208.9 | 158.2 | 162.7 | 143.3 | 164.1 | 201.5 | 216.4 | 217.9 |
| 25° | 595.4 | 461.1 | 267.1 | 232.8 | 226.8 | 185.0 | 202.9 | 204.4 | 222.3 | 231.3 | 232.8 |
| 27.5° | 673.0 | 485.0 | 319.3 | 268.6 | 250.7 | 226.8 | 231.3 | 228.3 | 283.5 | 301.4 | 304.4 |
| 30° | 681.9 | 465.6 | 334.3 | 304.4 | 276.1 | 262.6 | 249.2 | 295.5 | 317.8 | 325.3 | 325.3 |
| 32.5° | 756.6 | 480.5 | 367.1 | 328.3 | 302.9 | 274.6 | 298.4 | 313.4 | 338.7 | 385.0 | 386.5 |
| 35° | 677.5 | 428.3 | 380.5 | 356.6 | 322.3 | 298.4 | 311.9 | 352.2 | 401.4 | 411.9 | 410.4 |
| 37.5° | 596.9 | 389.5 | 362.6 | 355.2 | 334.3 | 313.4 | 328.3 | 367.1 | 393.9 | 385.0 | 385.0 |
| 40° | 531.2 | 362.6 | 349.2 | 343.2 | 332.8 | 305.9 | 335.8 | 350.7 | 380.5 | 371.6 | 370.1 |
| 42.5° | 485.0 | 343.2 | 335.8 | 328.3 | 320.8 | 295.5 | 314.9 | 347.7 | 374.5 | 364.1 | 361.1 |
| 45° | 470.1 | 331.3 | 326.8 | 316.4 | 302.9 | 280.5 | 301.4 | 343.2 | 368.6 | 358.1 | 355.2 |
| 47.5° | 488.0 | 320.8 | 314.9 | 301.4 | 283.5 | 261.1 | 294.0 | 335.8 | 355.2 | 337.2 | 335.8 |
| 50° | 540.2 | 316.4 | 302.9 | 285.0 | 267.1 | 255.2 | 283.5 | 317.8 | 334.3 | 317.8 | 317.8 |
| 52.5° | 613.3 | 317.8 | 291.0 | 270.1 | 249.2 | 241.7 | 271.6 | 305.9 | 319.3 | 302.9 | 301.4 |
| 55° | 692.4 | 322.3 | 276.1 | 255.2 | 226.8 | 231.3 | 265.6 | 299.9 | 304.4 | 286.5 | 285.0 |
| 57.5° | 781.9 | 326.8 | 261.1 | 244.7 | 214.9 | 219.4 | 253.7 | 288.0 | 286.5 | 262.6 | 262.6 |
| 60° | 873.0 | 331.3 | 246.2 | 231.3 | 202.9 | 204.4 | 238.8 | 273.1 | 264.1 | 240.2 | 238.8 |
| 62.5° | 949.1 | 326.8 | 228.3 | 216.4 | 191.0 | 186.5 | 220.9 | 255.2 | 247.7 | 222.3 | 222.3 |
| 65° | 1014.7 | 308.9 | 213.4 | 201.5 | 179.1 | 171.6 | 202.9 | 232.8 | 226.8 | 202.9 | 204.4 |
| 67.5° | 1041.6 | 280.5 | 198.5 | 186.5 | 165.6 | 155.2 | 182.1 | 205.9 | 204.4 | 185.0 | 186.5 |
| 70° | 1001.3 | 241.7 | 182.1 | 171.6 | 150.7 | 137.3 | 161.2 | 182.1 | 182.1 | 168.6 | 168.6 |
| 72.5° | 914.7 | 213.4 | 164.1 | 155.2 | 132.8 | 122.4 | 141.8 | 158.2 | 161.2 | 152.2 | 153.7 |
| 75° | 817.7 | 186.5 | 143.3 | 138.8 | 117.9 | 104.5 | 120.9 | 137.3 | 140.3 | 135.8 | 135.8 |
| 77.5° | 616.3 | 144.7 | 120.9 | 120.9 | 103.0 | 89.5 | 103.0 | 117.9 | 120.9 | 119.4 | 117.9 |
| 80° | 311.9 | 103.0 | 97.0 | 103.0 | 85.1 | 74.6 | 85.1 | 98.5 | 103.0 | 111.9 | 111.9 |
| 82.5° | 105.9 | 67.2 | 73.1 | 83.6 | 68.6 | 59.7 | 65.7 | 80.6 | 105.9 | 91.0 | 89.5 |
| 85° | 29.8 | 29.8 | 38.8 | 44.8 | 46.3 | 40.3 | 46.3 | 76.1 | 61.2 | 52.2 | 50.7 |
| 87.5° | 3.0 | 4.5 | 6.0 | 9.0 | 7.5 | 9.0 | 11.9 | 14.9 | 10.4 | 7.5 | 6.0 |
| 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)