

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: P416695

Luminaire Tested: **LXF.LXT-PA1-80-730-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7015 lumens
Efficiency: N/A
Efficacy: 84.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

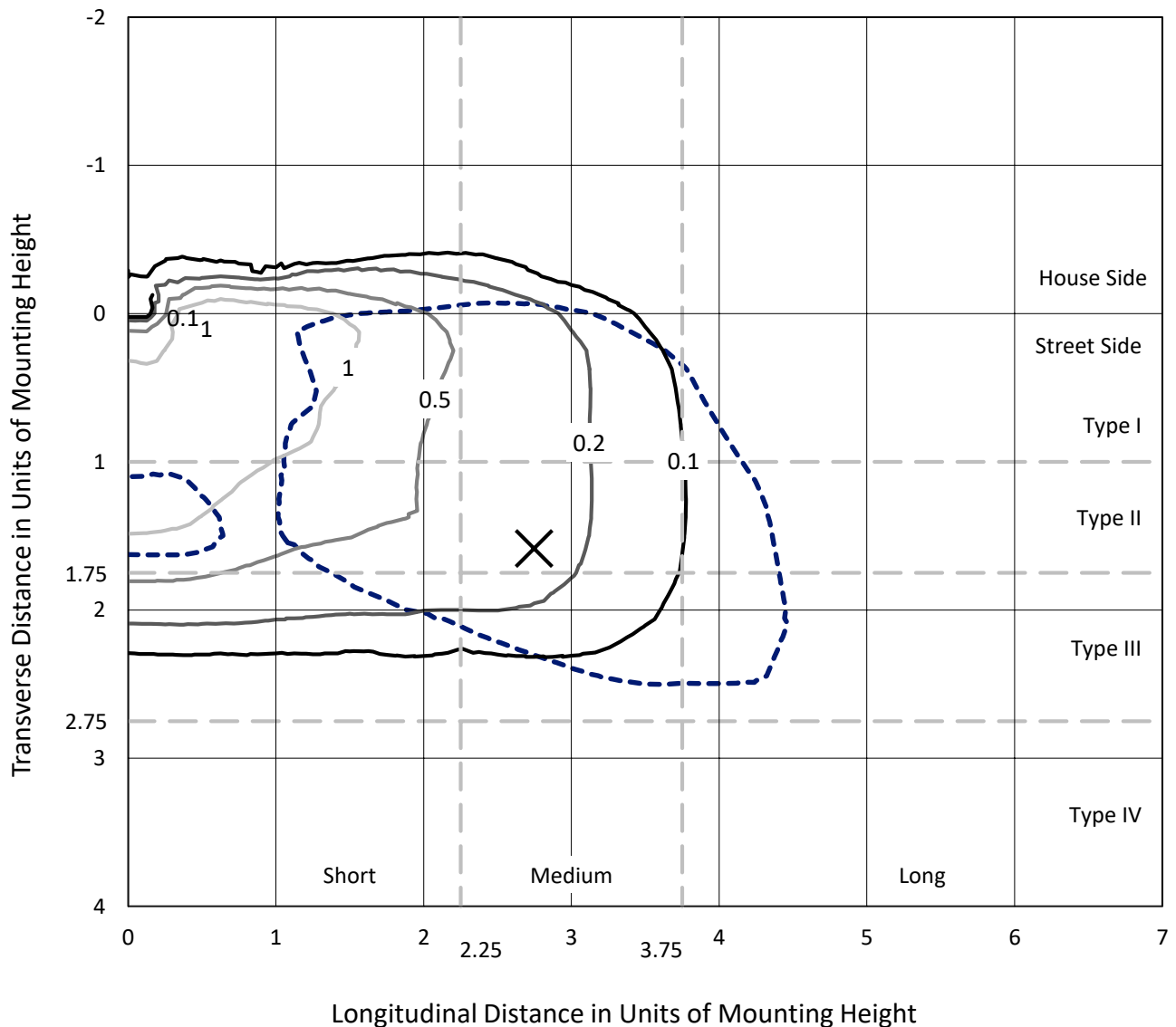
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

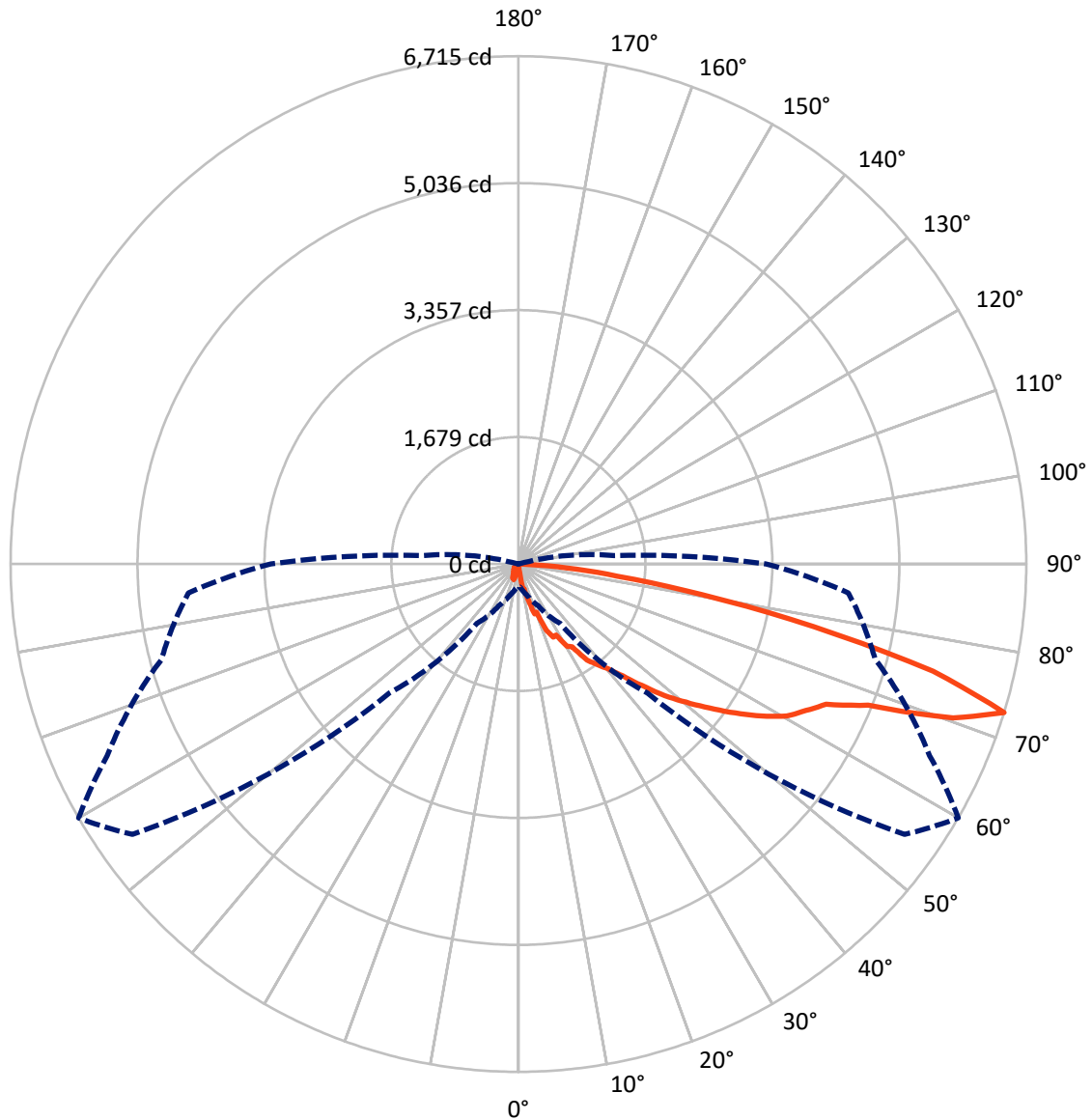
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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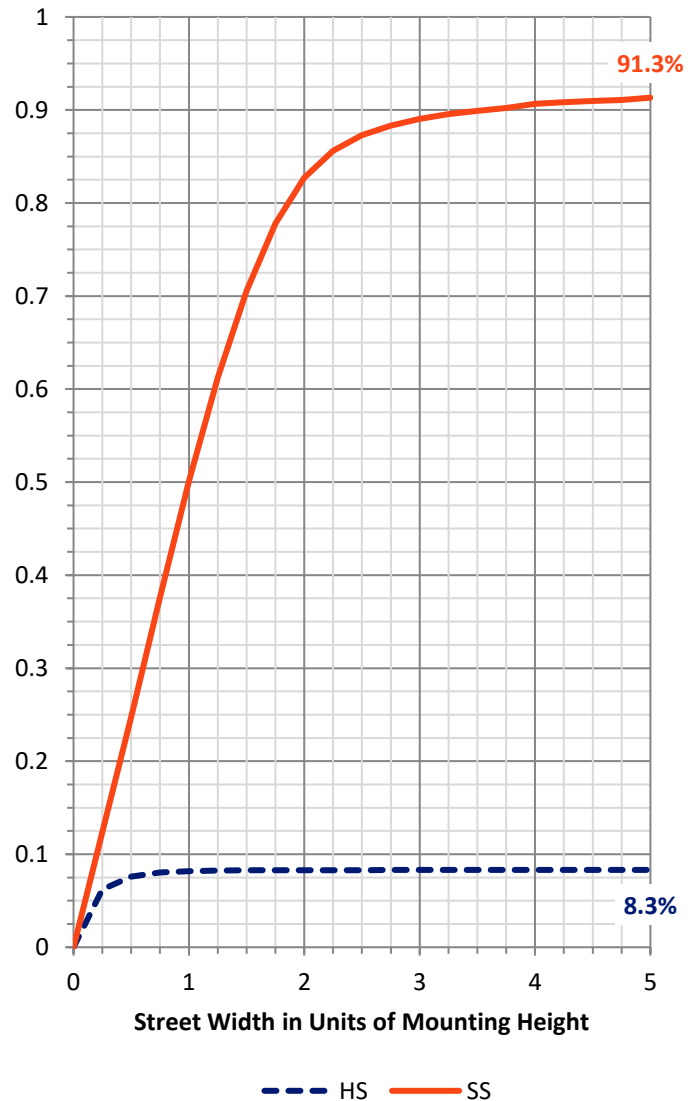
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 588.4 | 0.0 | 588.4 |
| | % Fixture | 8.4 | 0.0 | 8.4 |
| Street Side | Lumens | 6426.6 | 0.0 | 6426.6 |
| | % Fixture | 91.6 | 0.0 | 91.6 |
| Total | Lumens | 7015.0 | 0.0 | 7015.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.4 | 0.1 |
| 10°-20° | 97.7 | 1.4 |
| 20°-30° | 305.5 | 4.4 |
| 30°-40° | 658.7 | 9.4 |
| 40°-50° | 1120.0 | 16.0 |
| 50°-60° | 1655.8 | 23.6 |
| 60°-70° | 1801.1 | 25.7 |
| 70°-80° | 1227.5 | 17.5 |
| 80°-90° | 139.2 | 2.0 |
| 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° | 7015.0 | 100.0 |
| 0°-180° | 7015.0 | 100.0 |



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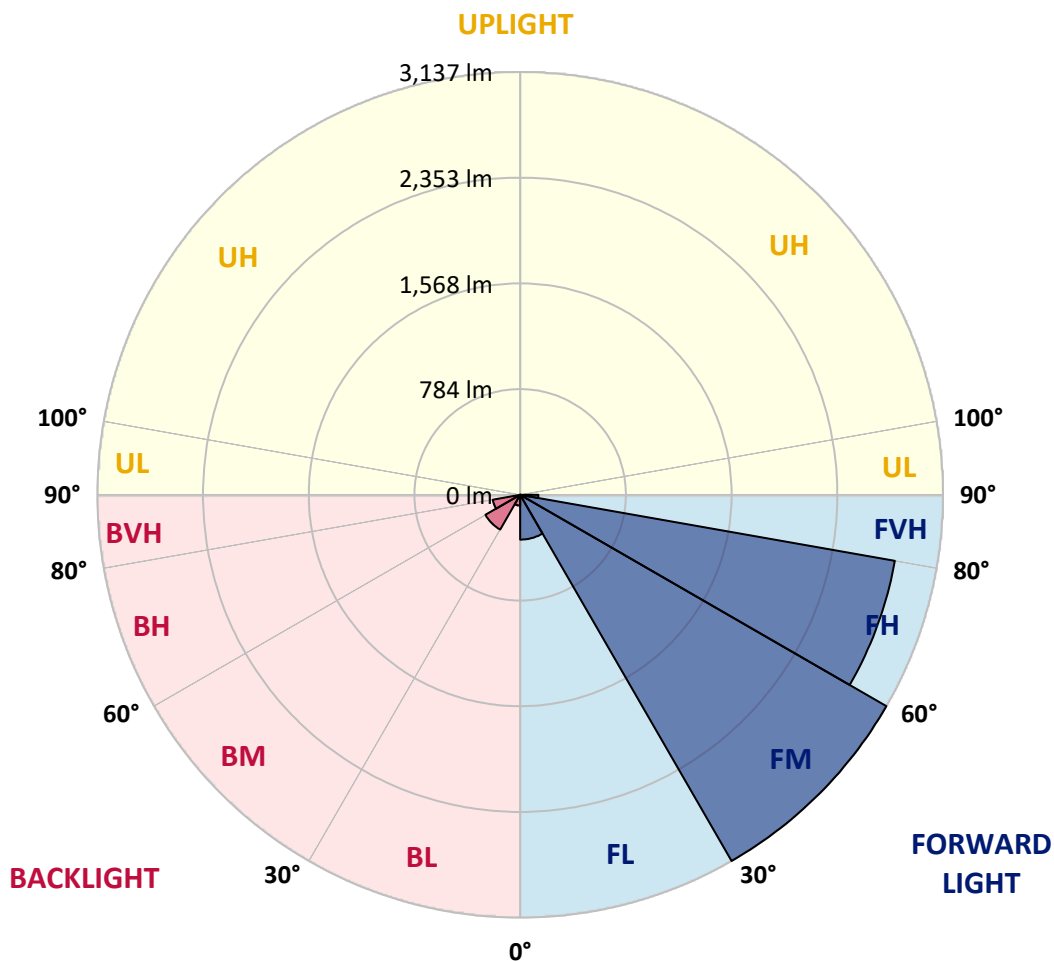
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 332.2 | 4.7 | | | |
| FM | (30°-60°) | 3137.0 | 44.7 | | | |
| FH | (60°-80°) | 2822.4 | 40.2 | | | G2/5000 |
| FVH | (80°-90°) | 135.0 | 1.9 | | | G2/225 |
| BL | (0°-30°) | 80.4 | 1.1 | B0/110 | | |
| BM | (30°-60°) | 297.6 | 4.2 | B1/1000 | | |
| BH | (60°-80°) | 206.2 | 2.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 4.2 | 0.1 | | | G0/10 |
| 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° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 2.5° | 6.4 | 4.6 | 4.6 | 3.6 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 2.7 | 3.6 |
| 5° | 358.8 | 354.3 | 354.3 | 356.1 | 231.3 | 39.2 | 21.9 | 9.1 | 3.6 | 3.6 | 3.6 |
| 7.5° | 340.6 | 337.0 | 338.8 | 343.3 | 346.1 | 350.6 | 350.6 | 107.5 | 34.6 | 3.6 | 3.6 |
| 10° | 348.8 | 346.1 | 331.5 | 328.8 | 334.2 | 338.8 | 340.6 | 348.8 | 338.8 | 10.0 | 3.6 |
| 12.5° | 613.8 | 609.3 | 609.3 | 617.5 | 358.8 | 327.9 | 331.5 | 339.7 | 293.3 | 38.3 | 20.9 |
| 15° | 587.4 | 583.8 | 584.7 | 594.7 | 608.4 | 431.7 | 340.6 | 504.5 | 647.5 | 584.7 | 464.5 |
| 17.5° | 819.6 | 705.8 | 610.2 | 581.0 | 583.8 | 602.9 | 660.3 | 694.0 | 658.5 | 665.7 | 506.4 |
| 20° | 837.0 | 830.6 | 826.9 | 833.3 | 597.4 | 795.1 | 839.7 | 681.2 | 663.0 | 713.1 | 934.4 |
| 22.5° | 866.1 | 851.5 | 822.4 | 818.7 | 919.8 | 783.2 | 813.3 | 952.6 | 978.1 | 1044.6 | 972.7 |
| 25° | 1173.0 | 1162.1 | 1132.0 | 861.5 | 943.5 | 899.8 | 1025.5 | 1071.9 | 1056.4 | 1100.2 | 1054.6 |
| 27.5° | 1288.7 | 1267.7 | 1203.1 | 1118.4 | 1001.8 | 1061.0 | 1037.3 | 1062.8 | 1166.6 | 1515.4 | 1487.2 |
| 30° | 1806.0 | 1750.4 | 1571.9 | 1287.8 | 1191.2 | 1104.7 | 1206.7 | 1260.4 | 1347.9 | 1551.0 | 1524.5 |
| 32.5° | 1962.6 | 1903.4 | 1774.1 | 1639.3 | 1411.6 | 1252.2 | 1327.8 | 1304.2 | 1367.0 | 1892.5 | 2001.8 |
| 35° | 2418.9 | 2391.6 | 2158.4 | 1784.1 | 1725.8 | 1477.2 | 1394.3 | 1557.3 | 1650.2 | 1918.9 | 2103.8 |
| 37.5° | 2424.3 | 2426.2 | 2412.5 | 2159.3 | 1892.5 | 1660.2 | 1675.7 | 1682.1 | 1754.0 | 2044.6 | 2222.2 |
| 40° | 2501.8 | 2514.5 | 2548.2 | 2356.9 | 2132.0 | 1925.3 | 1884.3 | 1820.5 | 1884.3 | 2185.7 | 2384.3 |
| 42.5° | 2663.9 | 2673.0 | 2747.6 | 2548.2 | 2321.4 | 2132.0 | 2152.9 | 2022.7 | 2069.2 | 2452.6 | 2604.7 |
| 45° | 2948.9 | 2943.5 | 3037.3 | 2749.5 | 2498.1 | 2367.9 | 2391.6 | 2291.4 | 2263.1 | 2671.1 | 2863.3 |
| 47.5° | 3271.3 | 3291.3 | 3287.7 | 2971.7 | 2673.9 | 2587.4 | 2655.7 | 2601.9 | 2490.8 | 2949.8 | 3164.8 |
| 50° | 3576.4 | 3570.0 | 3475.3 | 3097.4 | 2830.5 | 2802.3 | 2959.8 | 2871.5 | 2770.4 | 3233.1 | 3455.3 |
| 52.5° | 3687.5 | 3693.0 | 3580.0 | 3173.0 | 2964.4 | 3015.4 | 3251.3 | 3162.0 | 3030.9 | 3435.2 | 3744.0 |
| 55° | 3667.5 | 3674.8 | 3611.0 | 3250.4 | 3064.6 | 3214.8 | 3553.6 | 3477.1 | 3329.6 | 3654.7 | 3960.7 |
| 57.5° | 3479.9 | 3479.9 | 3531.8 | 3298.6 | 3162.0 | 3393.3 | 3823.2 | 3792.2 | 3610.1 | 3836.9 | 4090.1 |
| 60° | 3000.8 | 3051.8 | 3214.8 | 3240.3 | 3276.8 | 3586.4 | 4090.1 | 4080.0 | 3858.7 | 4007.2 | 4166.6 |
| 62.5° | 2307.8 | 2324.2 | 2684.8 | 2958.0 | 3285.9 | 3846.0 | 4315.0 | 4266.7 | 4042.7 | 4059.1 | 4220.3 |
| 65° | 1308.7 | 1383.4 | 1716.7 | 2407.0 | 3099.2 | 4117.4 | 4676.6 | 4469.8 | 4203.9 | 4121.0 | 4417.9 |
| 67.5° | 704.9 | 732.2 | 918.0 | 1457.2 | 2540.0 | 4147.4 | 5496.2 | 4985.3 | 4586.4 | 4447.1 | 4805.0 |
| 70° | 455.4 | 484.5 | 584.7 | 800.5 | 1592.9 | 3667.5 | 6267.6 | 6095.5 | 5376.0 | 4893.3 | 4864.2 |
| 72.5° | 296.0 | 313.3 | 421.7 | 602.9 | 958.1 | 2416.1 | 6232.1 | 6714.8 | 5999.8 | 4885.1 | 4378.7 |
| 75° | 120.2 | 132.1 | 211.3 | 501.8 | 809.6 | 1183.9 | 4781.3 | 5662.0 | 5632.8 | 4341.4 | 3388.8 |
| 77.5° | 60.1 | 63.8 | 93.8 | 271.4 | 718.6 | 819.6 | 3025.4 | 3993.5 | 4009.9 | 3164.8 | 1884.3 |
| 80° | 39.2 | 38.3 | 53.7 | 127.5 | 490.0 | 745.9 | 1692.1 | 2453.5 | 2294.1 | 1200.3 | 528.2 |
| 82.5° | 15.5 | 16.4 | 29.1 | 72.9 | 204.9 | 674.8 | 965.4 | 1320.5 | 1032.8 | 234.1 | 152.1 |
| 85° | 2.7 | 2.7 | 9.1 | 39.2 | 64.7 | 308.7 | 622.9 | 639.3 | 424.4 | 73.8 | 76.5 |
| 87.5° | 0.9 | 0.9 | 1.8 | 2.7 | 4.6 | 7.3 | 27.3 | 12.8 | 8.2 | 12.8 | 14.6 |
| 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° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 |
| 2.5° | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 | 1.8 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 5° | 3.6 | 3.6 | 3.6 | 2.7 | 2.7 | 0.9 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 7.5° | 3.6 | 3.6 | 3.6 | 2.7 | 1.8 | 0.9 | 0.0 | 0.0 | 0.9 | 0.9 | 0.9 |
| 10° | 3.6 | 3.6 | 3.6 | 2.7 | 1.8 | 0.9 | 26.4 | 168.5 | 173.9 | 174.9 | 173.0 |
| 12.5° | 22.8 | 23.7 | 12.8 | 2.7 | 1.8 | 156.6 | 155.7 | 130.2 | 113.8 | 107.5 | 99.3 |
| 15° | 494.5 | 469.9 | 388.9 | 229.5 | 126.6 | 128.4 | 94.7 | 70.1 | 56.5 | 52.8 | 51.0 |
| 17.5° | 490.0 | 454.5 | 357.9 | 209.5 | 220.4 | 96.5 | 51.0 | 56.5 | 73.8 | 74.7 | 74.7 |
| 20° | 920.7 | 807.8 | 349.7 | 234.1 | 148.4 | 83.8 | 66.5 | 70.1 | 70.1 | 71.0 | 70.1 |
| 22.5° | 959.9 | 847.0 | 523.7 | 298.7 | 106.6 | 88.3 | 75.6 | 65.6 | 67.4 | 87.4 | 84.7 |
| 25° | 968.1 | 830.6 | 485.4 | 234.1 | 102.9 | 88.3 | 82.9 | 80.1 | 90.2 | 90.2 | 91.1 |
| 27.5° | 1395.2 | 1167.5 | 588.3 | 175.8 | 102.0 | 92.0 | 92.0 | 83.8 | 81.1 | 80.1 | 81.1 |
| 30° | 1392.5 | 1127.5 | 501.8 | 148.4 | 98.4 | 91.1 | 82.9 | 74.7 | 90.2 | 91.1 | 91.1 |
| 32.5° | 1827.8 | 1441.7 | 485.4 | 120.2 | 98.4 | 83.8 | 72.9 | 77.4 | 71.9 | 71.9 | 71.9 |
| 35° | 1853.3 | 1405.2 | 382.5 | 124.8 | 87.4 | 76.5 | 71.0 | 60.1 | 63.8 | 64.7 | 62.8 |
| 37.5° | 1902.5 | 1379.7 | 290.5 | 112.9 | 87.4 | 71.0 | 58.3 | 53.7 | 50.1 | 49.2 | 49.2 |
| 40° | 1990.8 | 1381.6 | 224.0 | 103.8 | 82.0 | 64.7 | 51.9 | 43.7 | 45.5 | 45.5 | 44.6 |
| 42.5° | 2122.9 | 1408.0 | 175.8 | 95.6 | 73.8 | 57.4 | 43.7 | 39.2 | 36.4 | 36.4 | 35.5 |
| 45° | 2297.8 | 1464.4 | 143.9 | 89.3 | 67.4 | 49.2 | 35.5 | 31.9 | 29.1 | 29.1 | 28.2 |
| 47.5° | 2514.5 | 1543.7 | 125.7 | 82.9 | 60.1 | 41.0 | 29.1 | 25.5 | 23.7 | 22.8 | 22.8 |
| 50° | 2745.8 | 1638.4 | 115.7 | 77.4 | 51.9 | 32.8 | 23.7 | 20.0 | 18.2 | 18.2 | 17.3 |
| 52.5° | 2985.3 | 1746.8 | 107.5 | 73.8 | 44.6 | 27.3 | 18.2 | 14.6 | 13.7 | 12.8 | 13.7 |
| 55° | 3179.3 | 1812.3 | 102.0 | 72.9 | 37.3 | 21.9 | 13.7 | 10.9 | 10.0 | 9.1 | 9.1 |
| 57.5° | 3306.8 | 1847.9 | 94.7 | 67.4 | 30.1 | 16.4 | 10.0 | 7.3 | 6.4 | 6.4 | 6.4 |
| 60° | 3407.0 | 1867.9 | 85.6 | 53.7 | 23.7 | 11.8 | 6.4 | 4.6 | 4.6 | 4.6 | 4.6 |
| 62.5° | 3486.2 | 1881.6 | 71.9 | 41.9 | 18.2 | 8.2 | 4.6 | 2.7 | 2.7 | 2.7 | 2.7 |
| 65° | 3721.2 | 1961.7 | 55.6 | 31.9 | 13.7 | 5.5 | 2.7 | 1.8 | 0.9 | 1.8 | 1.8 |
| 67.5° | 4007.2 | 1995.4 | 41.0 | 22.8 | 10.0 | 3.6 | 1.8 | 0.9 | 0.9 | 0.9 | 1.8 |
| 70° | 3894.2 | 1738.6 | 30.1 | 16.4 | 7.3 | 2.7 | 1.8 | 0.9 | 0.9 | 0.9 | 1.8 |
| 72.5° | 3272.2 | 1270.5 | 21.9 | 11.8 | 5.5 | 2.7 | 1.8 | 0.9 | 0.9 | 1.8 | 1.8 |
| 75° | 2353.3 | 716.7 | 17.3 | 8.2 | 4.6 | 2.7 | 1.8 | 1.8 | 1.8 | 2.7 | 2.7 |
| 77.5° | 1107.4 | 266.8 | 17.3 | 7.3 | 4.6 | 2.7 | 1.8 | 1.8 | 2.7 | 3.6 | 1.8 |
| 80° | 268.7 | 66.5 | 17.3 | 6.4 | 4.6 | 2.7 | 2.7 | 2.7 | 3.6 | 3.6 | 1.8 |
| 82.5° | 90.2 | 28.2 | 12.8 | 5.5 | 4.6 | 2.7 | 2.7 | 3.6 | 3.6 | 4.6 | 2.7 |
| 85° | 54.6 | 18.2 | 9.1 | 6.4 | 5.5 | 2.7 | 3.6 | 3.6 | 4.6 | 5.5 | 2.7 |
| 87.5° | 9.1 | 7.3 | 6.4 | 6.4 | 5.5 | 3.6 | 3.6 | 4.6 | 4.6 | 5.5 | 3.6 |
| 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)