

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: P416731

Luminaire Tested: **LXF.LXT-PA1-80-730-U-T4W-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)
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-T4W-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6288 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

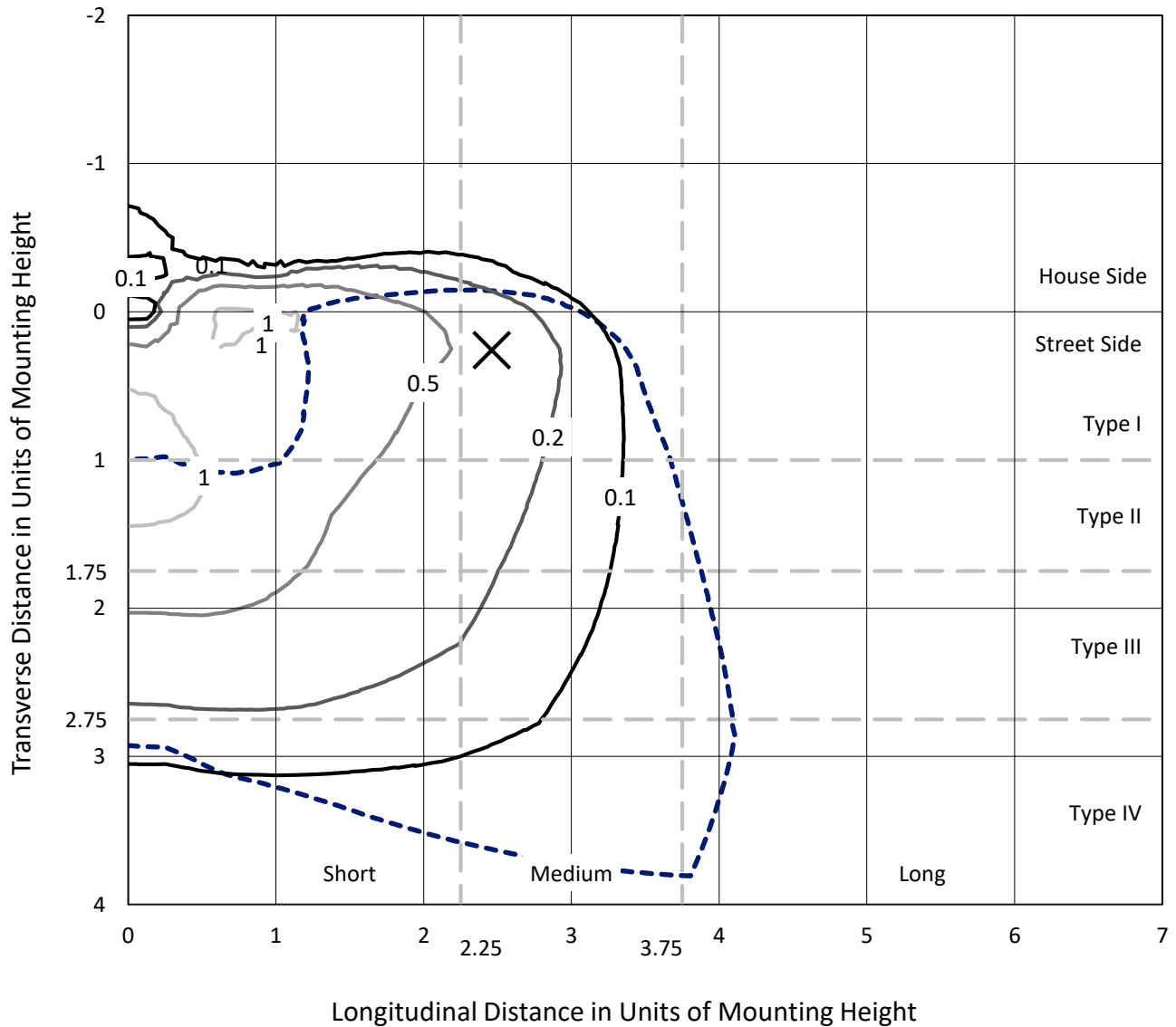
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

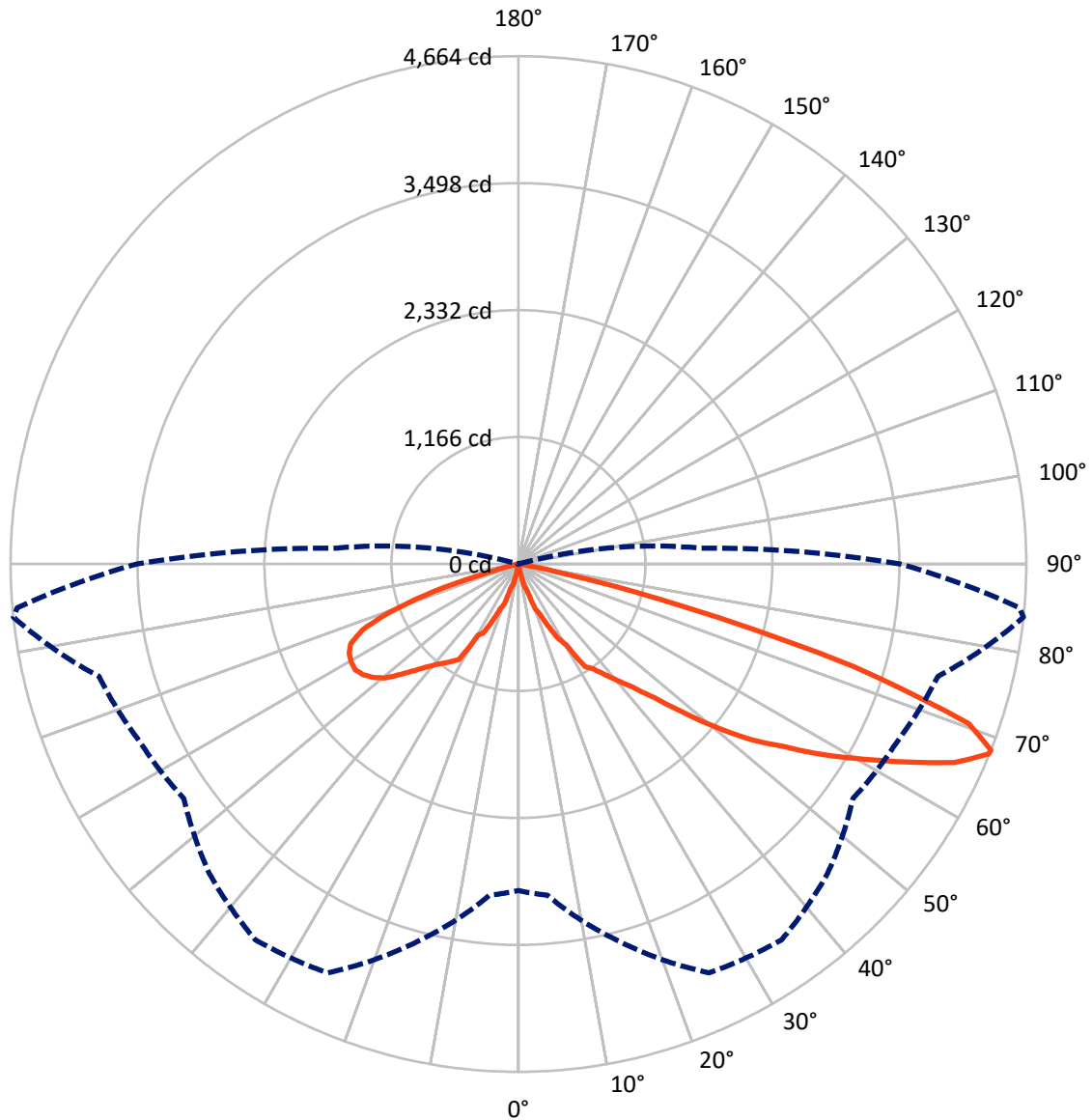


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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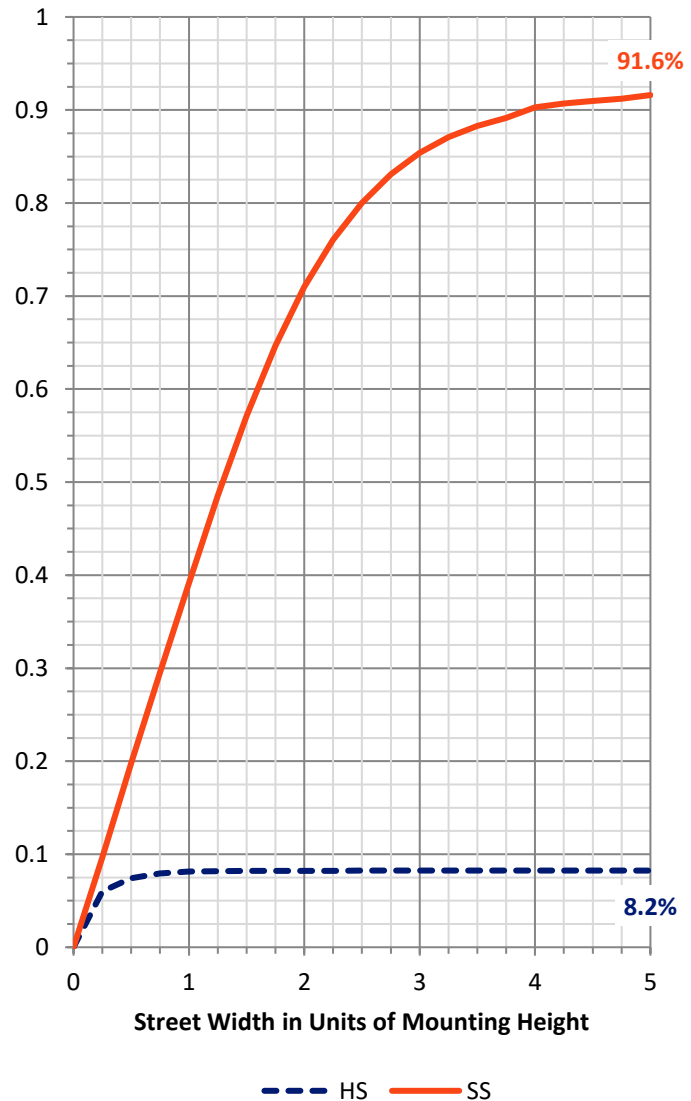
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 522.5 | 0.0 | 522.5 |
| | % Fixture | 8.3 | 0.0 | 8.3 |
| Street Side | Lumens | 5765.5 | 0.0 | 5765.5 |
| | % Fixture | 91.7 | 0.0 | 91.7 |
| Total | Lumens | 6288.0 | 0.0 | 6288.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.1 | 0.1 |
| 10°-20° | 56.9 | 0.9 |
| 20°-30° | 203.9 | 3.2 |
| 30°-40° | 435.4 | 6.9 |
| 40°-50° | 778.1 | 12.4 |
| 50°-60° | 1380.5 | 22.0 |
| 60°-70° | 1983.9 | 31.6 |
| 70°-80° | 1335.5 | 21.2 |
| 80°-90° | 109.7 | 1.7 |
| 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° | 6288.0 | 100.0 |
| 0°-180° | 6288.0 | 100.0 |

Coefficient of Utilization



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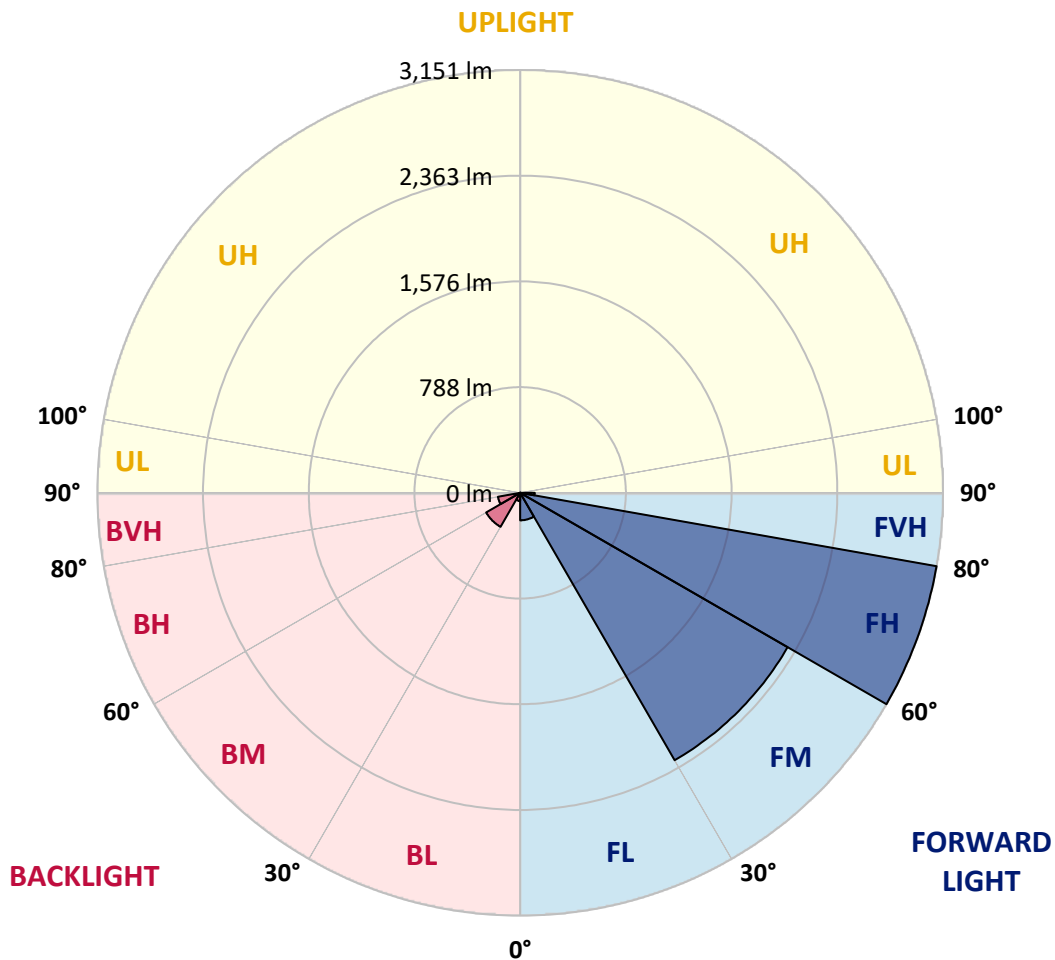
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 205.0 | 3.3 | | | |
| FM | (30°-60°) | 2301.2 | 36.6 | | | |
| FH | (60°-80°) | 3151.2 | 50.1 | | | G2/5000 |
| FVH | (80°-90°) | 108.1 | 1.7 | | | G2/225 |
| BL | (0°-30°) | 59.9 | 1.0 | B0/110 | | |
| BM | (30°-60°) | 292.8 | 4.7 | B1/1000 | | |
| BH | (60°-80°) | 168.2 | 2.7 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 1.6 | 0.0 | | | 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 IV Medium





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 84° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 2.5° | 0.9 | 0.9 | 0.0 | 0.9 | 0.9 | 1.8 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 5° | 48.3 | 41.0 | 40.1 | 35.5 | 25.5 | 6.4 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 |
| 7.5° | 173.0 | 170.3 | 168.5 | 164.8 | 161.2 | 123.9 | 24.6 | 2.7 | 2.7 | 2.7 | 2.7 |
| 10° | 185.8 | 182.1 | 179.4 | 174.9 | 169.4 | 163.0 | 155.7 | 20.0 | 2.7 | 2.7 | 2.7 |
| 12.5° | 384.3 | 379.8 | 263.2 | 217.7 | 179.4 | 170.3 | 164.8 | 85.6 | 79.2 | 90.2 | 102.9 |
| 15° | 404.4 | 400.7 | 390.7 | 377.9 | 339.7 | 192.2 | 258.6 | 321.5 | 209.5 | 223.1 | 223.1 |
| 17.5° | 450.8 | 443.5 | 408.9 | 389.8 | 374.3 | 411.6 | 377.9 | 344.2 | 225.9 | 239.5 | 239.5 |
| 20° | 631.1 | 629.3 | 619.3 | 432.6 | 393.4 | 520.9 | 411.6 | 367.0 | 417.1 | 435.3 | 414.4 |
| 22.5° | 636.6 | 634.8 | 627.5 | 602.9 | 618.4 | 535.5 | 591.1 | 554.6 | 569.2 | 497.2 | 493.6 |
| 25° | 844.2 | 836.9 | 670.3 | 613.8 | 697.6 | 571.0 | 703.1 | 612.0 | 601.1 | 621.1 | 621.1 |
| 27.5° | 859.7 | 857.9 | 852.4 | 816.9 | 715.8 | 808.7 | 724.0 | 792.3 | 807.8 | 767.7 | 788.7 |
| 30° | 979.0 | 918.9 | 887.0 | 866.1 | 843.3 | 848.8 | 845.1 | 911.6 | 841.5 | 857.9 | 848.8 |
| 32.5° | 1139.3 | 1133.8 | 1117.4 | 923.5 | 937.1 | 886.1 | 985.4 | 975.4 | 1088.3 | 1123.8 | 1118.4 |
| 35° | 1362.4 | 1275.0 | 1168.4 | 1068.3 | 972.6 | 1052.8 | 1018.2 | 1134.7 | 1163.0 | 1179.4 | 1213.1 |
| 37.5° | 1558.2 | 1530.0 | 1430.7 | 1132.9 | 1077.4 | 1083.7 | 1164.8 | 1215.8 | 1257.7 | 1286.8 | 1301.4 |
| 40° | 1737.6 | 1716.7 | 1650.2 | 1324.2 | 1133.8 | 1176.6 | 1243.1 | 1271.4 | 1354.2 | 1408.0 | 1408.9 |
| 42.5° | 2003.6 | 2016.3 | 1954.4 | 1497.2 | 1286.8 | 1306.9 | 1363.3 | 1367.9 | 1441.7 | 1549.1 | 1552.8 |
| 45° | 2336.0 | 2318.7 | 2303.2 | 1748.6 | 1432.5 | 1419.8 | 1498.1 | 1487.2 | 1601.0 | 1752.2 | 1770.4 |
| 47.5° | 2656.5 | 2632.0 | 2590.1 | 2038.2 | 1634.7 | 1546.4 | 1655.7 | 1664.8 | 1842.4 | 2035.4 | 2042.7 |
| 50° | 2904.3 | 2895.1 | 2853.3 | 2375.1 | 1903.4 | 1721.2 | 1830.5 | 1938.0 | 2126.5 | 2358.7 | 2374.2 |
| 52.5° | 3177.5 | 3156.5 | 3082.8 | 2691.1 | 2248.5 | 1984.4 | 2040.0 | 2228.5 | 2426.1 | 2681.1 | 2679.3 |
| 55° | 3359.6 | 3362.3 | 3292.2 | 3013.5 | 2561.8 | 2282.2 | 2304.1 | 2593.7 | 2699.3 | 2959.8 | 2978.9 |
| 57.5° | 3601.9 | 3581.8 | 3600.9 | 3392.4 | 2986.2 | 2584.6 | 2635.6 | 2886.0 | 2980.8 | 3302.2 | 3315.0 |
| 60° | 3782.2 | 3789.5 | 3884.2 | 3742.1 | 3315.0 | 2892.4 | 2936.1 | 3124.6 | 3261.3 | 3637.4 | 3677.4 |
| 62.5° | 3788.6 | 3827.7 | 4082.7 | 4092.7 | 3671.1 | 3225.7 | 3197.5 | 3368.7 | 3488.9 | 4001.7 | 4049.9 |
| 65° | 3441.6 | 3465.3 | 4039.9 | 4185.6 | 4001.7 | 3552.7 | 3446.1 | 3574.5 | 3713.9 | 4396.0 | 4405.1 |
| 67.5° | 3093.7 | 3101.0 | 3655.6 | 4158.3 | 4200.2 | 3945.2 | 3711.1 | 3799.5 | 3934.3 | 4655.5 | 4623.7 |
| 68° | 2999.0 | 3053.6 | 3589.1 | 4142.8 | 4212.9 | 4016.2 | 3751.2 | 3842.3 | 3988.0 | 4663.7 | 4619.1 |
| 70° | 2718.5 | 2776.8 | 3269.4 | 3969.8 | 4206.6 | 4284.0 | 3970.7 | 3983.4 | 4021.7 | 4388.7 | 4245.7 |
| 72.5° | 1827.8 | 1867.0 | 2587.3 | 3378.7 | 4070.0 | 4595.4 | 4215.7 | 3899.7 | 3608.2 | 3217.5 | 3090.9 |
| 75° | 703.1 | 707.6 | 1304.1 | 2322.3 | 3519.0 | 4439.7 | 3957.0 | 3287.7 | 2450.7 | 1566.4 | 1470.8 |
| 77.5° | 262.3 | 257.7 | 377.9 | 1076.5 | 2234.0 | 3449.8 | 2954.3 | 2015.4 | 1020.9 | 410.7 | 401.6 |
| 80° | 92.9 | 95.6 | 146.6 | 324.2 | 908.0 | 2015.4 | 1644.7 | 820.5 | 300.5 | 91.1 | 83.8 |
| 82.5° | 36.4 | 39.2 | 74.7 | 153.9 | 389.8 | 846.0 | 702.2 | 348.8 | 175.8 | 34.6 | 32.8 |
| 85° | 8.2 | 9.1 | 29.1 | 76.5 | 148.4 | 245.0 | 246.8 | 213.1 | 145.7 | 16.4 | 15.5 |
| 87.5° | 0.9 | 1.8 | 8.2 | 10.0 | 11.8 | 6.4 | 20.9 | 21.9 | 40.1 | 6.4 | 6.4 |
| 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° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 2.5° | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 2.7 | 2.7 | 2.7 | 1.8 | 0.9 | 0.9 | 0.0 | 80.1 | 82.9 | 85.6 | 86.5 |
| 10° | 2.7 | 2.7 | 2.7 | 1.8 | 1.8 | 83.8 | 98.4 | 94.7 | 88.3 | 85.6 | 86.5 |
| 12.5° | 99.3 | 96.5 | 31.0 | 6.4 | 76.5 | 92.0 | 75.6 | 62.8 | 56.5 | 51.9 | 51.9 |
| 15° | 216.7 | 208.6 | 173.9 | 133.0 | 124.8 | 71.0 | 48.3 | 41.0 | 60.1 | 72.9 | 72.9 |
| 17.5° | 230.4 | 220.4 | 194.9 | 193.1 | 126.6 | 61.9 | 50.1 | 64.7 | 68.3 | 71.9 | 71.9 |
| 20° | 446.2 | 399.8 | 275.0 | 184.9 | 92.9 | 75.6 | 62.8 | 61.9 | 64.7 | 69.2 | 70.1 |
| 22.5° | 478.1 | 455.4 | 346.1 | 224.0 | 84.7 | 82.0 | 72.9 | 69.2 | 92.9 | 101.1 | 101.1 |
| 25° | 607.4 | 585.6 | 372.5 | 178.5 | 102.9 | 83.8 | 92.0 | 86.5 | 88.3 | 95.6 | 95.6 |
| 27.5° | 776.8 | 736.8 | 489.1 | 150.3 | 95.6 | 91.1 | 93.8 | 86.5 | 102.0 | 121.1 | 121.1 |
| 30° | 860.6 | 780.5 | 468.1 | 133.0 | 97.4 | 99.3 | 90.2 | 105.6 | 105.6 | 112.9 | 113.8 |
| 32.5° | 1148.4 | 1092.9 | 527.3 | 112.0 | 97.4 | 91.1 | 98.4 | 100.2 | 98.4 | 127.5 | 128.4 |
| 35° | 1222.2 | 1155.7 | 451.7 | 116.6 | 92.9 | 88.3 | 88.3 | 99.3 | 105.6 | 112.0 | 112.9 |
| 37.5° | 1312.3 | 1225.8 | 355.2 | 109.3 | 96.5 | 85.6 | 81.1 | 84.7 | 92.9 | 109.3 | 110.2 |
| 40° | 1427.1 | 1302.3 | 273.2 | 102.9 | 90.2 | 78.3 | 73.8 | 77.4 | 77.4 | 82.0 | 82.9 |
| 42.5° | 1581.9 | 1393.4 | 202.2 | 98.4 | 84.7 | 71.9 | 64.7 | 60.1 | 57.4 | 56.5 | 57.4 |
| 45° | 1794.1 | 1510.0 | 151.2 | 93.8 | 81.1 | 63.7 | 53.7 | 43.7 | 36.4 | 36.4 | 37.3 |
| 47.5° | 2046.4 | 1640.2 | 122.9 | 86.5 | 75.6 | 54.6 | 41.0 | 28.2 | 22.8 | 23.7 | 24.6 |
| 50° | 2315.0 | 1777.7 | 107.5 | 80.1 | 69.2 | 44.6 | 27.3 | 17.3 | 14.6 | 15.5 | 16.4 |
| 52.5° | 2563.6 | 1867.0 | 101.1 | 73.8 | 61.0 | 34.6 | 17.3 | 11.8 | 10.9 | 10.9 | 11.8 |
| 55° | 2813.2 | 1934.3 | 95.6 | 67.4 | 49.2 | 22.8 | 10.0 | 9.1 | 9.1 | 8.2 | 8.2 |
| 57.5° | 3045.4 | 1974.4 | 86.5 | 58.3 | 34.6 | 13.7 | 7.3 | 7.3 | 6.4 | 6.4 | 6.4 |
| 60° | 3258.5 | 1969.9 | 69.2 | 43.7 | 21.9 | 8.2 | 5.5 | 5.5 | 4.6 | 4.6 | 4.6 |
| 62.5° | 3476.2 | 1949.8 | 49.2 | 31.0 | 14.6 | 5.5 | 3.6 | 3.6 | 2.7 | 1.8 | 2.7 |
| 65° | 3607.3 | 1893.4 | 32.8 | 21.9 | 9.1 | 3.6 | 2.7 | 1.8 | 0.9 | 0.0 | 0.9 |
| 67.5° | 3552.7 | 1729.4 | 24.6 | 16.4 | 6.4 | 2.7 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 68° | 3502.6 | 1677.5 | 22.8 | 15.5 | 5.5 | 2.7 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 70° | 3108.3 | 1397.9 | 20.0 | 12.7 | 4.6 | 2.7 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2073.7 | 908.0 | 16.4 | 10.0 | 3.6 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 75° | 956.2 | 291.4 | 12.7 | 8.2 | 2.7 | 1.8 | 1.8 | 0.9 | 0.0 | 0.0 | 0.0 |
| 77.5° | 255.0 | 61.9 | 8.2 | 5.5 | 2.7 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 | 0.0 |
| 80° | 61.0 | 19.1 | 5.5 | 4.6 | 2.7 | 1.8 | 1.8 | 0.9 | 0.9 | 0.9 | 0.0 |
| 82.5° | 22.8 | 10.0 | 3.6 | 3.6 | 2.7 | 1.8 | 1.8 | 0.9 | 1.8 | 1.8 | 0.0 |
| 85° | 10.0 | 6.4 | 3.6 | 3.6 | 2.7 | 1.8 | 1.8 | 1.8 | 1.8 | 2.7 | 0.0 |
| 87.5° | 4.6 | 4.6 | 3.6 | 3.6 | 3.6 | 1.8 | 2.7 | 2.7 | 2.7 | 2.7 | 0.0 |
| 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)