

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: P417034

Luminaire Tested: **LXF.LXT-PA1-90-722-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417034
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-26)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-722-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2200K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5577 lumens
Efficiency: N/A
Efficacy: 59.3 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): 94
Input Voltage (V): NR
Input Current (A_{in}): 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

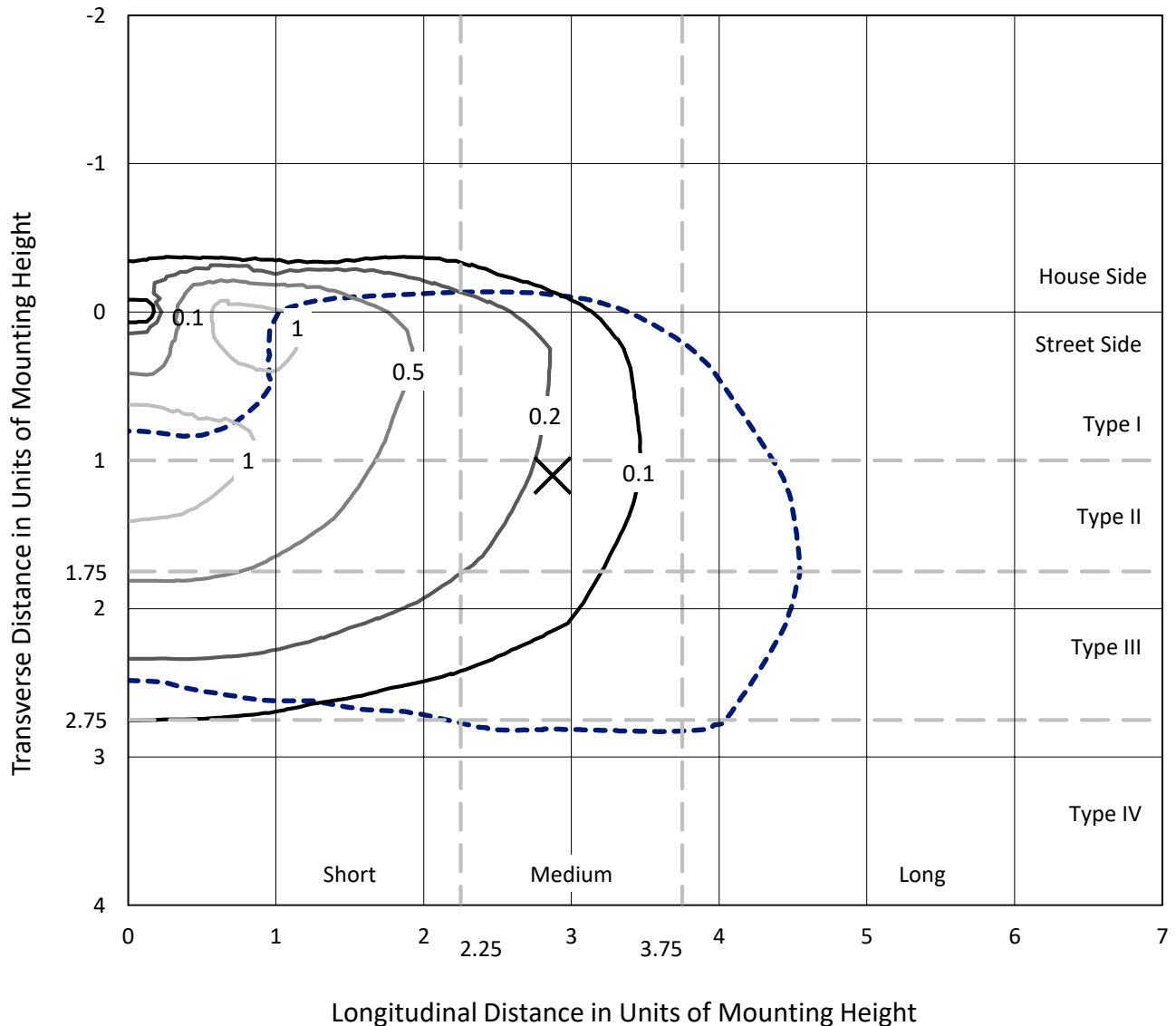


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

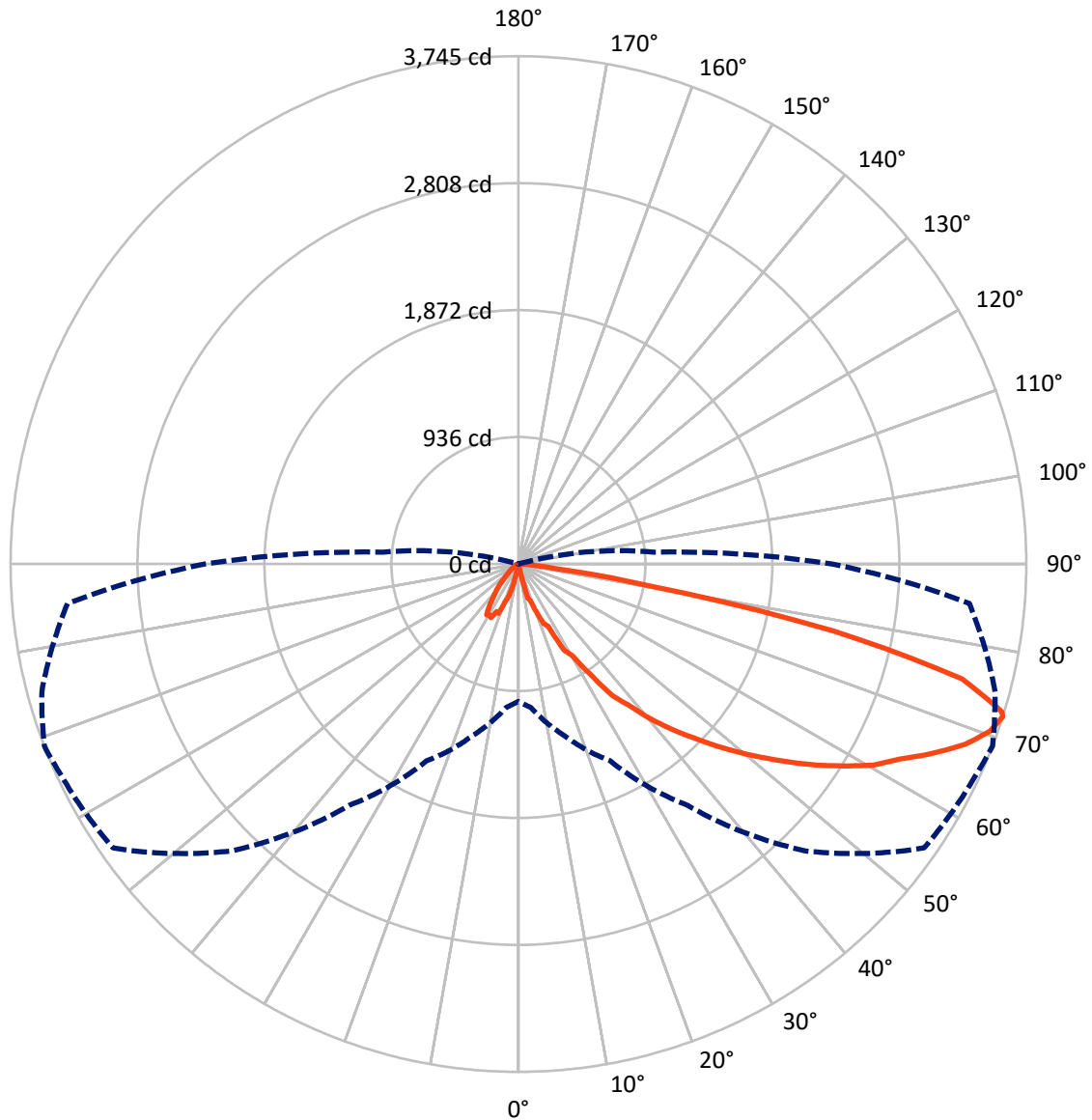


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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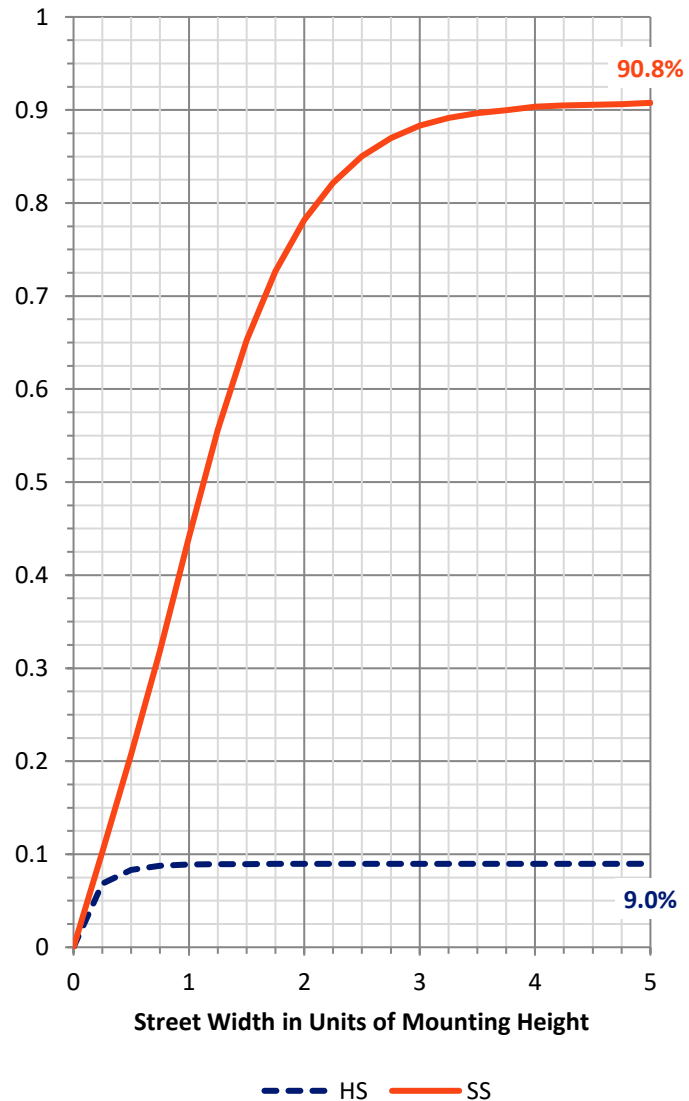
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 505.8 | 0.0 | 505.8 |
| | % Fixture | 9.1 | 0.0 | 9.1 |
| Street Side | Lumens | 5071.2 | 0.0 | 5071.2 |
| | % Fixture | 90.9 | 0.0 | 90.9 |
| Total | Lumens | 5577.0 | 0.0 | 5577.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.6 | 0.1 |
| 10°-20° | 48.5 | 0.9 |
| 20°-30° | 173.7 | 3.1 |
| 30°-40° | 443.6 | 8.0 |
| 40°-50° | 877.9 | 15.7 |
| 50°-60° | 1383.4 | 24.8 |
| 60°-70° | 1609.1 | 28.9 |
| 70°-80° | 976.8 | 17.5 |
| 80°-90° | 60.4 | 1.1 |
| 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° | 5577.0 | 100.0 |
| 0°-180° | 5577.0 | 100.0 |



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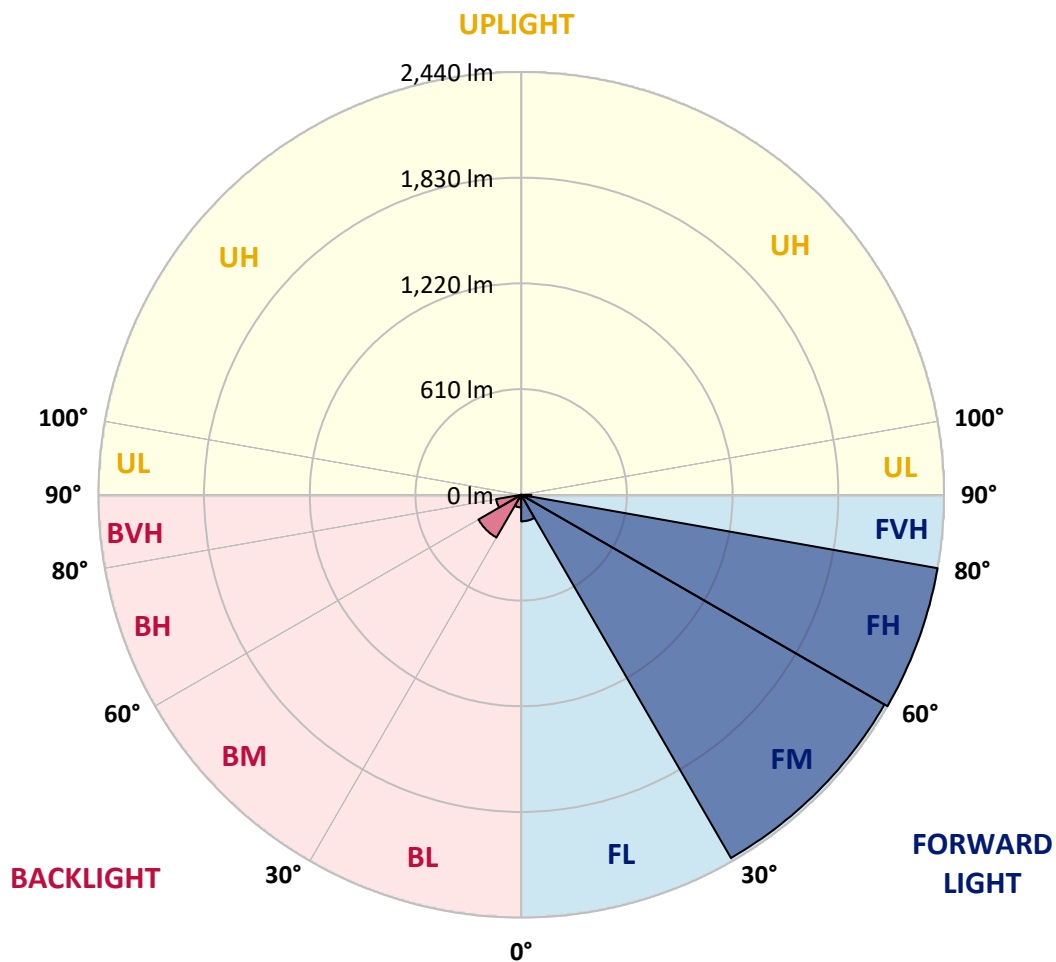
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 153.1 | 2.7 | | | |
| FM | (30°-60°) | 2420.2 | 43.4 | | | |
| FH | (60°-80°) | 2439.5 | 43.7 | | | G2/5000 |
| FVH | (80°-90°) | 58.3 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 72.6 | 1.3 | B0/110 | | |
| BM | (30°-60°) | 284.7 | 5.1 | B1/1000 | | |
| BH | (60°-80°) | 146.4 | 2.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.1 | 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° | 69° | 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° | 0.8 | 0.8 | 0.8 | 0.8 | 1.6 | 1.6 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 5° | 77.7 | 50.7 | 38.0 | 31.7 | 15.9 | 4.0 | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 |
| 7.5° | 119.7 | 119.7 | 120.5 | 121.3 | 123.6 | 103.8 | 22.2 | 2.4 | 2.4 | 2.4 | 2.4 |
| 10° | 115.7 | 114.9 | 114.9 | 116.5 | 119.7 | 122.8 | 126.0 | 16.6 | 4.0 | 2.4 | 2.4 |
| 12.5° | 225.9 | 223.5 | 207.6 | 145.0 | 118.9 | 120.5 | 126.8 | 96.7 | 26.9 | 15.9 | 91.1 |
| 15° | 223.5 | 222.7 | 224.3 | 228.2 | 229.8 | 128.4 | 187.8 | 255.2 | 260.7 | 175.9 | 213.2 |
| 17.5° | 244.1 | 237.0 | 225.9 | 227.5 | 234.6 | 275.8 | 265.5 | 276.6 | 282.1 | 197.3 | 230.6 |
| 20° | 337.6 | 336.8 | 338.4 | 265.5 | 248.1 | 349.5 | 307.5 | 300.4 | 373.3 | 390.7 | 433.5 |
| 22.5° | 344.7 | 343.2 | 345.5 | 353.5 | 397.0 | 365.3 | 445.4 | 455.7 | 477.1 | 527.8 | 495.3 |
| 25° | 482.6 | 482.6 | 396.3 | 369.3 | 452.5 | 412.9 | 551.6 | 518.3 | 507.2 | 566.6 | 637.2 |
| 27.5° | 582.5 | 576.2 | 555.6 | 515.9 | 470.8 | 584.1 | 587.3 | 708.5 | 718.8 | 790.9 | 804.4 |
| 30° | 737.8 | 729.1 | 674.4 | 643.5 | 584.1 | 614.2 | 685.5 | 842.4 | 785.4 | 843.2 | 901.9 |
| 32.5° | 1092.1 | 1079.4 | 1010.5 | 810.7 | 736.2 | 665.7 | 821.8 | 904.3 | 960.5 | 1117.4 | 1181.6 |
| 35° | 1414.6 | 1332.2 | 1237.9 | 1085.7 | 892.4 | 865.4 | 886.8 | 1121.4 | 1188.0 | 1236.3 | 1301.3 |
| 37.5° | 1739.6 | 1741.1 | 1646.8 | 1277.5 | 1127.7 | 999.4 | 1069.1 | 1253.0 | 1320.3 | 1391.7 | 1450.3 |
| 40° | 2000.3 | 1960.7 | 1834.7 | 1563.6 | 1330.6 | 1202.2 | 1211.0 | 1381.3 | 1501.0 | 1590.6 | 1602.5 |
| 42.5° | 2333.2 | 2316.5 | 2131.1 | 1825.2 | 1592.9 | 1467.7 | 1429.7 | 1513.7 | 1672.2 | 1731.6 | 1768.1 |
| 45° | 2651.7 | 2627.2 | 2469.5 | 2123.1 | 1873.5 | 1733.2 | 1680.9 | 1681.7 | 1837.8 | 1901.2 | 1953.5 |
| 47.5° | 2890.3 | 2850.7 | 2765.9 | 2397.3 | 2226.2 | 2023.3 | 1914.7 | 1873.5 | 2025.7 | 2108.1 | 2137.4 |
| 50° | 3139.9 | 3074.9 | 3007.6 | 2707.2 | 2530.5 | 2354.6 | 2146.9 | 2100.9 | 2211.1 | 2303.0 | 2326.8 |
| 52.5° | 3307.2 | 3212.8 | 3166.1 | 2928.3 | 2803.1 | 2691.4 | 2379.1 | 2327.6 | 2406.1 | 2514.6 | 2495.6 |
| 55° | 3222.4 | 3193.0 | 3243.7 | 3119.3 | 2998.1 | 2874.4 | 2631.9 | 2589.9 | 2610.5 | 2701.7 | 2656.5 |
| 57.5° | 3045.6 | 3054.3 | 3204.1 | 3227.9 | 3173.2 | 3056.7 | 2858.6 | 2851.5 | 2809.5 | 2883.9 | 2825.3 |
| 60° | 2861.0 | 2893.5 | 3101.9 | 3220.8 | 3260.4 | 3221.6 | 3097.9 | 3045.6 | 3008.4 | 3060.7 | 3014.7 |
| 62.5° | 2613.7 | 2620.0 | 2899.8 | 3157.4 | 3227.1 | 3349.9 | 3265.1 | 3239.8 | 3162.9 | 3240.6 | 3221.6 |
| 65° | 2303.0 | 2311.0 | 2574.1 | 2939.4 | 3127.3 | 3374.5 | 3395.9 | 3422.9 | 3363.4 | 3384.8 | 3445.0 |
| 67.5° | 1955.9 | 1971.0 | 2200.8 | 2553.5 | 2912.5 | 3326.2 | 3504.5 | 3556.0 | 3551.2 | 3544.9 | 3604.3 |
| 70° | 1583.4 | 1593.7 | 1780.8 | 2089.9 | 2565.4 | 3193.0 | 3605.1 | 3670.9 | 3689.1 | 3644.8 | 3602.8 |
| 72° | 1012.8 | 1062.8 | 1310.0 | 1601.7 | 2171.5 | 2990.9 | 3650.3 | 3712.9 | 3744.6 | 3638.4 | 3337.3 |
| 72.5° | 795.7 | 835.3 | 1210.2 | 1467.7 | 2036.8 | 2944.2 | 3641.6 | 3698.7 | 3728.0 | 3603.5 | 3224.7 |
| 75° | 171.2 | 175.9 | 378.8 | 713.3 | 1284.7 | 2255.5 | 3339.6 | 3346.8 | 3378.5 | 3139.9 | 2207.9 |
| 77.5° | 73.7 | 74.5 | 105.4 | 235.4 | 461.2 | 1153.1 | 2311.8 | 2377.5 | 2375.2 | 2032.0 | 1067.5 |
| 80° | 51.5 | 53.1 | 62.6 | 107.8 | 219.5 | 333.6 | 1129.3 | 1136.5 | 978.0 | 726.7 | 266.3 |
| 82.5° | 26.9 | 28.5 | 44.4 | 64.2 | 149.0 | 122.0 | 365.3 | 368.5 | 271.8 | 171.2 | 61.8 |
| 85° | 4.8 | 7.1 | 21.4 | 38.8 | 57.9 | 49.1 | 80.0 | 100.6 | 87.2 | 68.2 | 26.2 |
| 87.5° | 0.8 | 0.8 | 5.5 | 5.5 | 7.9 | 4.8 | 7.9 | 8.7 | 9.5 | 14.3 | 7.1 |
| 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° | 2.4 | 2.4 | 2.4 | 2.4 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 2.4 | 2.4 | 2.4 | 2.4 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 2.4 | 2.4 | 2.4 | 2.4 | 1.6 | 0.8 | 0.0 | 72.9 | 98.3 | 104.6 | 111.7 |
| 10° | 2.4 | 3.2 | 2.4 | 2.4 | 1.6 | 99.9 | 122.8 | 124.4 | 126.0 | 126.0 | 125.2 |
| 12.5° | 100.6 | 103.0 | 36.5 | 7.1 | 92.7 | 126.8 | 120.5 | 110.2 | 100.6 | 97.5 | 96.7 |
| 15° | 215.6 | 216.4 | 195.8 | 168.8 | 179.9 | 119.7 | 94.3 | 107.0 | 108.6 | 104.6 | 104.6 |
| 17.5° | 232.2 | 232.2 | 221.9 | 271.0 | 227.5 | 119.7 | 99.1 | 81.6 | 69.7 | 66.6 | 65.8 |
| 20° | 459.7 | 402.6 | 325.7 | 275.0 | 185.4 | 133.9 | 69.7 | 59.4 | 57.9 | 57.9 | 60.2 |
| 22.5° | 496.1 | 489.0 | 424.0 | 370.9 | 159.3 | 94.3 | 68.2 | 68.2 | 80.8 | 79.3 | 78.5 |
| 25° | 647.5 | 638.0 | 480.3 | 322.6 | 159.3 | 80.8 | 86.4 | 76.1 | 74.5 | 72.9 | 71.3 |
| 27.5° | 818.7 | 798.9 | 675.2 | 291.6 | 112.5 | 84.8 | 82.4 | 72.1 | 85.6 | 85.6 | 84.8 |
| 30° | 932.0 | 857.5 | 680.0 | 261.5 | 95.1 | 90.3 | 77.7 | 84.0 | 76.1 | 71.3 | 71.3 |
| 32.5° | 1207.8 | 1173.7 | 831.3 | 184.7 | 90.3 | 81.6 | 81.6 | 72.1 | 64.2 | 66.6 | 65.8 |
| 35° | 1295.0 | 1250.6 | 740.2 | 138.7 | 83.2 | 75.3 | 68.2 | 63.4 | 54.7 | 49.1 | 48.3 |
| 37.5° | 1402.7 | 1344.9 | 621.3 | 107.0 | 81.6 | 66.6 | 56.3 | 48.3 | 42.0 | 42.0 | 41.2 |
| 40° | 1535.1 | 1447.1 | 508.0 | 91.1 | 72.1 | 57.1 | 43.6 | 37.2 | 33.3 | 30.9 | 30.1 |
| 42.5° | 1680.1 | 1543.8 | 390.7 | 82.4 | 62.6 | 46.8 | 32.5 | 26.9 | 24.6 | 23.8 | 23.8 |
| 45° | 1833.1 | 1633.4 | 280.5 | 75.3 | 54.7 | 36.5 | 23.8 | 19.0 | 18.2 | 18.2 | 18.2 |
| 47.5° | 1989.2 | 1698.4 | 191.0 | 68.2 | 46.0 | 26.9 | 17.4 | 14.3 | 14.3 | 13.5 | 13.5 |
| 50° | 2142.2 | 1742.7 | 131.6 | 61.0 | 37.2 | 19.0 | 12.7 | 11.9 | 11.9 | 11.1 | 11.1 |
| 52.5° | 2253.1 | 1732.4 | 98.3 | 53.1 | 29.3 | 14.3 | 10.3 | 9.5 | 9.5 | 9.5 | 9.5 |
| 55° | 2360.9 | 1709.4 | 80.8 | 45.2 | 22.2 | 10.3 | 7.9 | 7.1 | 7.1 | 7.1 | 7.1 |
| 57.5° | 2471.8 | 1678.5 | 69.7 | 36.5 | 15.9 | 7.9 | 5.5 | 5.5 | 5.5 | 5.5 | 5.5 |
| 60° | 2563.8 | 1618.3 | 60.2 | 29.3 | 11.1 | 5.5 | 4.8 | 4.0 | 4.0 | 4.0 | 4.0 |
| 62.5° | 2666.0 | 1557.3 | 51.5 | 22.2 | 7.9 | 4.0 | 3.2 | 2.4 | 2.4 | 1.6 | 2.4 |
| 65° | 2738.9 | 1482.8 | 42.0 | 15.9 | 5.5 | 3.2 | 2.4 | 1.6 | 0.8 | 0.0 | 0.8 |
| 67.5° | 2737.3 | 1383.7 | 30.1 | 10.3 | 4.0 | 2.4 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| 70° | 2617.7 | 1241.9 | 20.6 | 7.1 | 3.2 | 1.6 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| 72° | 2310.2 | 1001.7 | 15.9 | 6.3 | 3.2 | 1.6 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2202.4 | 919.3 | 14.3 | 5.5 | 3.2 | 1.6 | 1.6 | 0.8 | 0.0 | 0.0 | 0.0 |
| 75° | 1398.8 | 382.8 | 11.1 | 4.8 | 3.2 | 1.6 | 1.6 | 0.8 | 0.8 | 0.8 | 0.0 |
| 77.5° | 649.9 | 140.3 | 7.9 | 4.0 | 2.4 | 1.6 | 1.6 | 0.8 | 0.8 | 1.6 | 0.0 |
| 80° | 141.9 | 41.2 | 5.5 | 4.0 | 2.4 | 1.6 | 1.6 | 1.6 | 1.6 | 2.4 | 0.0 |
| 82.5° | 32.5 | 13.5 | 4.8 | 3.2 | 2.4 | 1.6 | 1.6 | 1.6 | 1.6 | 2.4 | 0.0 |
| 85° | 11.9 | 7.9 | 4.8 | 4.0 | 3.2 | 1.6 | 1.6 | 2.4 | 2.4 | 3.2 | 0.0 |
| 87.5° | 4.8 | 4.8 | 4.0 | 4.0 | 3.2 | 1.6 | 2.4 | 2.4 | 3.2 | 3.2 | 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)