

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: P414070

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414070
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-PA1-100-830-U-T3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 6105 lumens
Efficiency: N/A
Efficacy: 63.6 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

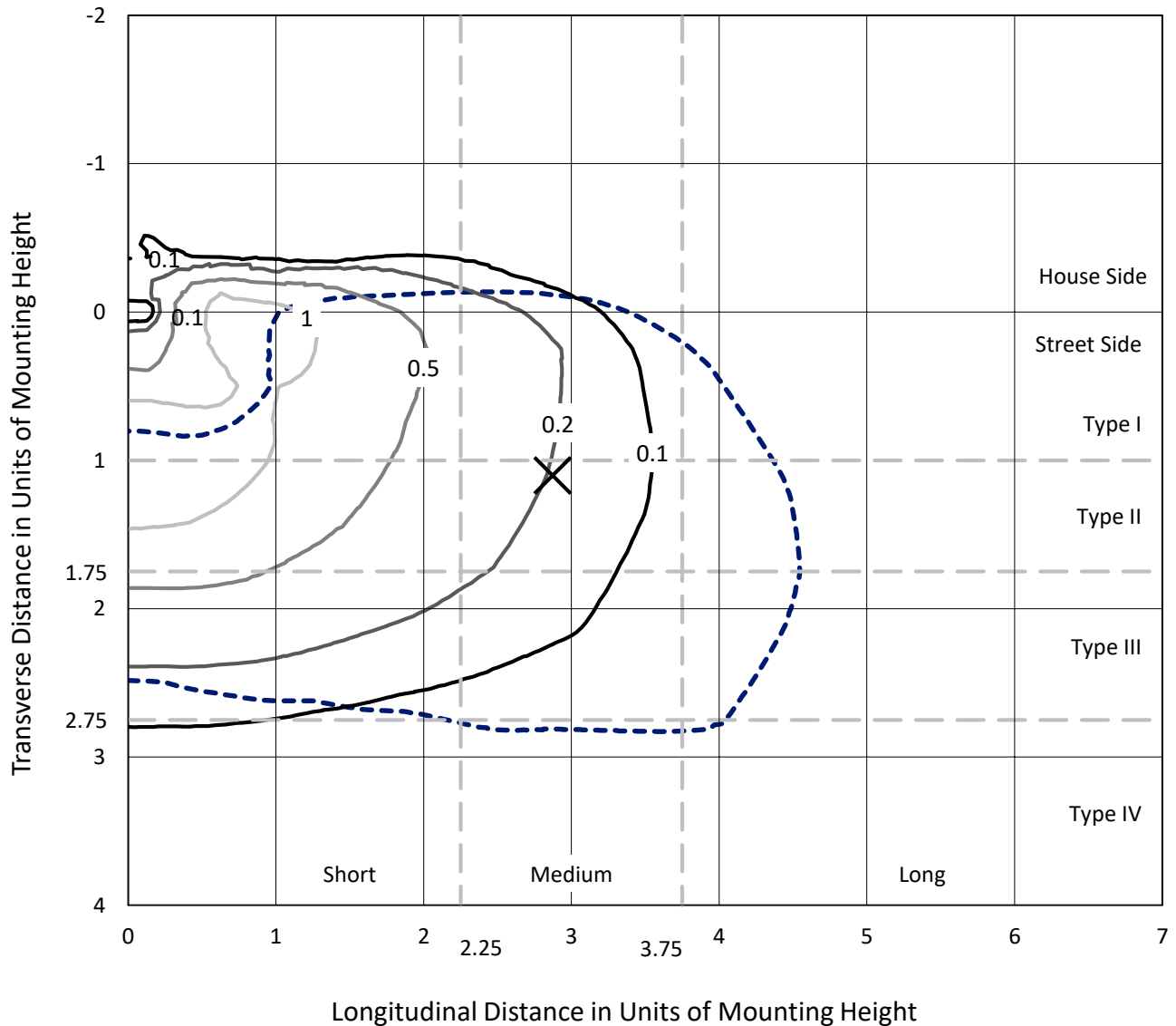
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

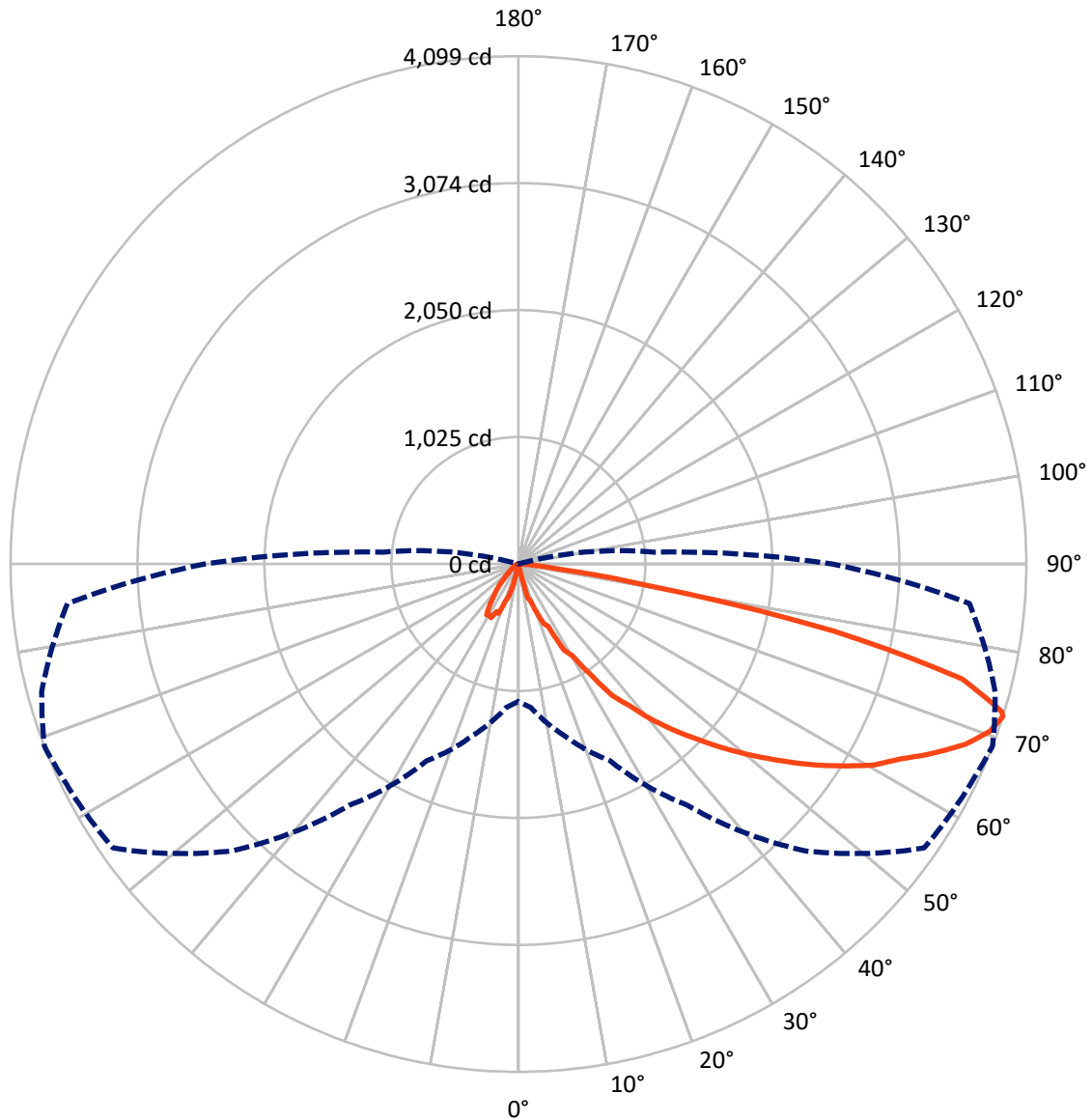
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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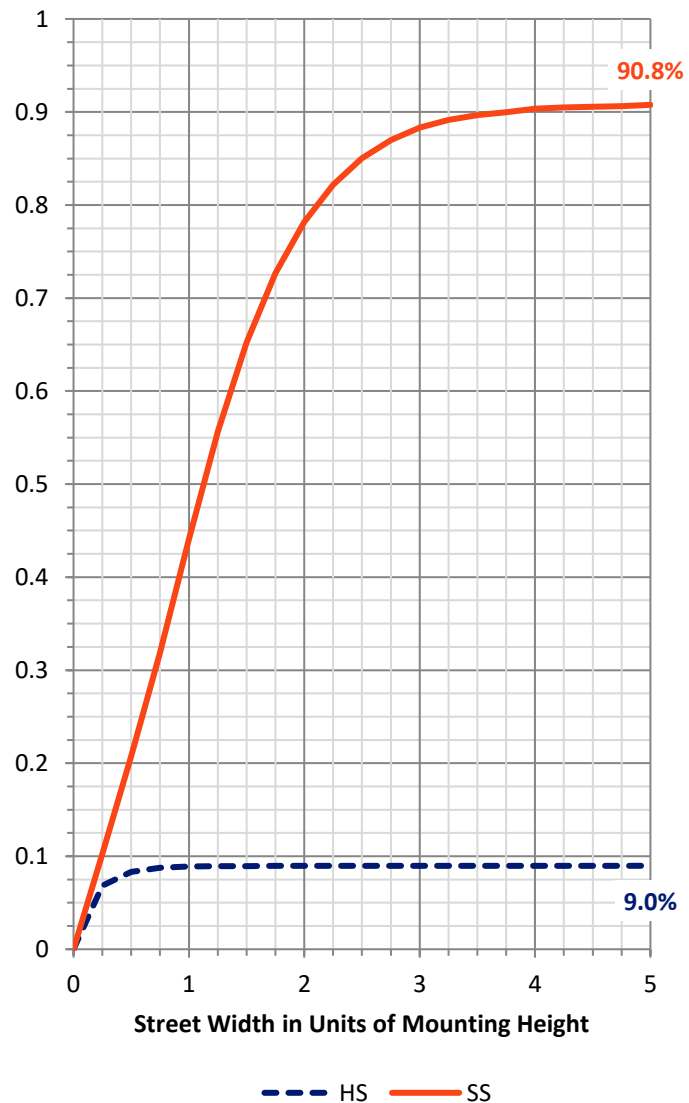
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 553.6 | 0.0 | 553.6 |
| | % Fixture | 9.1 | 0.0 | 9.1 |
| Street Side | Lumens | 5551.4 | 0.0 | 5551.4 |
| | % Fixture | 90.9 | 0.0 | 90.9 |
| Total | Lumens | 6105.0 | 0.0 | 6105.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 3.9 | 0.1 |
| 10°-20° | 53.1 | 0.9 |
| 20°-30° | 190.1 | 3.1 |
| 30°-40° | 485.6 | 8.0 |
| 40°-50° | 961.0 | 15.7 |
| 50°-60° | 1514.4 | 24.8 |
| 60°-70° | 1761.4 | 28.9 |
| 70°-80° | 1069.3 | 17.5 |
| 80°-90° | 66.2 | 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° | 6105.0 | 100.0 |
| 0°-180° | 6105.0 | 100.0 |



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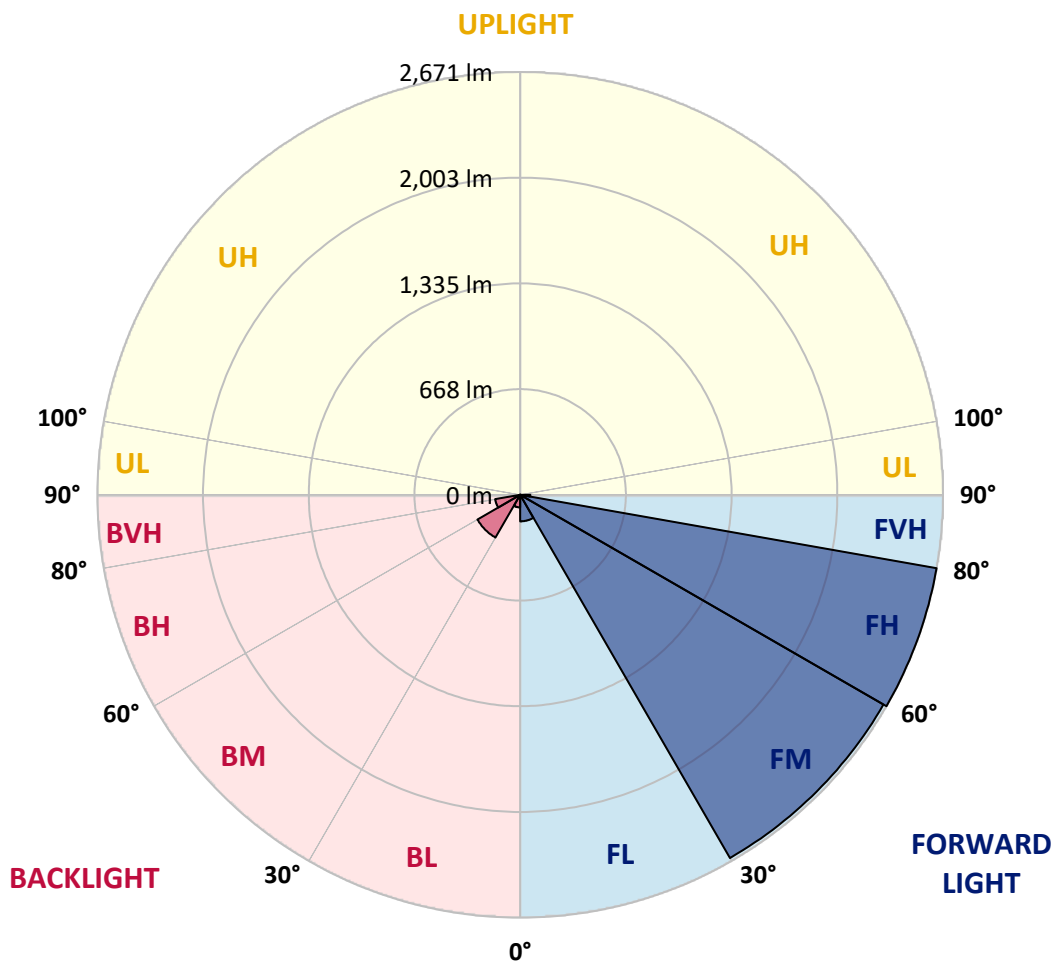
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 167.6 | 2.7 | | | |
| FM | (30°-60°) | 2649.4 | 43.4 | | | |
| FH | (60°-80°) | 2670.5 | 43.7 | | | G2/5000 |
| FVH | (80°-90°) | 63.9 | 1.0 | | | G1/100 |
| BL | (0°-30°) | 79.5 | 1.3 | B0/110 | | |
| BM | (30°-60°) | 311.6 | 5.1 | B1/1000 | | |
| BH | (60°-80°) | 160.2 | 2.6 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 2.3 | 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° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 2.5° | 0.9 | 0.9 | 0.9 | 0.9 | 1.7 | 1.7 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 5° | 85.0 | 55.5 | 41.6 | 34.7 | 17.4 | 4.3 | 2.6 | 2.6 | 2.6 | 2.6 | 2.6 |
| 7.5° | 131.0 | 131.0 | 131.9 | 132.7 | 135.3 | 113.6 | 24.3 | 2.6 | 2.6 | 2.6 | 2.6 |
| 10° | 126.7 | 125.8 | 125.8 | 127.5 | 131.0 | 134.5 | 137.9 | 18.2 | 4.3 | 2.6 | 2.6 |
| 12.5° | 247.2 | 244.6 | 227.3 | 158.8 | 130.1 | 131.9 | 138.8 | 105.8 | 29.5 | 17.4 | 99.8 |
| 15° | 244.6 | 243.8 | 245.5 | 249.9 | 251.6 | 140.5 | 205.6 | 279.3 | 285.4 | 192.6 | 233.4 |
| 17.5° | 267.2 | 259.4 | 247.2 | 249.0 | 256.8 | 301.9 | 290.6 | 302.8 | 308.8 | 216.0 | 252.5 |
| 20° | 369.6 | 368.7 | 370.4 | 290.6 | 271.5 | 382.6 | 336.6 | 328.8 | 408.6 | 427.7 | 474.5 |
| 22.5° | 377.4 | 375.6 | 378.2 | 386.9 | 434.6 | 399.9 | 487.6 | 498.8 | 522.3 | 577.8 | 542.2 |
| 25° | 528.3 | 528.3 | 433.8 | 404.3 | 495.4 | 452.0 | 603.8 | 567.4 | 555.2 | 620.3 | 697.5 |
| 27.5° | 637.6 | 630.7 | 608.1 | 564.8 | 515.3 | 639.4 | 642.8 | 775.6 | 786.9 | 865.8 | 880.6 |
| 30° | 807.7 | 798.1 | 738.3 | 704.4 | 639.4 | 672.3 | 750.4 | 922.2 | 859.7 | 923.1 | 987.3 |
| 32.5° | 1195.5 | 1181.6 | 1106.1 | 887.5 | 805.9 | 728.7 | 899.6 | 989.9 | 1051.5 | 1223.2 | 1293.5 |
| 35° | 1548.6 | 1458.3 | 1355.1 | 1188.5 | 976.9 | 947.4 | 970.8 | 1227.6 | 1300.4 | 1353.4 | 1424.5 |
| 37.5° | 1904.3 | 1906.0 | 1802.8 | 1398.5 | 1234.5 | 1094.0 | 1170.3 | 1371.6 | 1445.3 | 1523.4 | 1587.6 |
| 40° | 2189.7 | 2146.3 | 2008.4 | 1711.7 | 1456.6 | 1316.1 | 1325.6 | 1512.1 | 1643.1 | 1741.2 | 1754.2 |
| 42.5° | 2554.0 | 2535.8 | 2332.8 | 1997.9 | 1743.8 | 1606.7 | 1565.0 | 1657.0 | 1830.5 | 1895.6 | 1935.5 |
| 45° | 2902.8 | 2875.9 | 2703.3 | 2324.1 | 2050.9 | 1897.3 | 1840.1 | 1840.9 | 2011.8 | 2081.2 | 2138.5 |
| 47.5° | 3163.9 | 3120.5 | 3027.7 | 2624.3 | 2436.9 | 2214.8 | 2096.0 | 2050.9 | 2217.4 | 2307.7 | 2339.8 |
| 50° | 3437.2 | 3366.1 | 3292.3 | 2963.5 | 2770.1 | 2577.5 | 2350.2 | 2299.9 | 2420.4 | 2521.1 | 2547.1 |
| 52.5° | 3620.3 | 3517.0 | 3465.8 | 3205.6 | 3068.5 | 2946.2 | 2604.4 | 2548.0 | 2633.9 | 2752.7 | 2731.9 |
| 55° | 3527.4 | 3495.3 | 3550.9 | 3414.6 | 3281.9 | 3146.6 | 2881.1 | 2835.1 | 2857.7 | 2957.5 | 2908.0 |
| 57.5° | 3334.0 | 3343.5 | 3507.5 | 3533.5 | 3473.6 | 3346.1 | 3129.2 | 3121.4 | 3075.4 | 3157.0 | 3092.8 |
| 60° | 3131.8 | 3167.4 | 3395.6 | 3525.7 | 3569.1 | 3526.6 | 3391.2 | 3334.0 | 3293.2 | 3350.4 | 3300.1 |
| 62.5° | 2861.2 | 2868.1 | 3174.3 | 3456.3 | 3532.6 | 3667.1 | 3574.3 | 3546.5 | 3462.4 | 3547.4 | 3526.6 |
| 65° | 2521.1 | 2529.8 | 2817.8 | 3217.7 | 3423.3 | 3694.0 | 3717.4 | 3746.9 | 3681.8 | 3705.3 | 3771.2 |
| 67.5° | 2141.1 | 2157.6 | 2409.2 | 2795.2 | 3188.2 | 3641.1 | 3836.3 | 3892.7 | 3887.5 | 3880.5 | 3945.6 |
| 70° | 1733.3 | 1744.6 | 1949.4 | 2287.7 | 2808.2 | 3495.3 | 3946.4 | 4018.5 | 4038.4 | 3989.8 | 3943.8 |
| 72° | 1108.7 | 1163.4 | 1434.0 | 1753.3 | 2377.1 | 3274.1 | 3995.9 | 4064.4 | 4099.1 | 3982.9 | 3653.2 |
| 72.5° | 871.0 | 914.4 | 1324.7 | 1606.7 | 2229.6 | 3222.9 | 3986.4 | 4048.8 | 4080.9 | 3944.7 | 3530.0 |
| 75° | 187.4 | 192.6 | 414.7 | 780.8 | 1406.3 | 2469.0 | 3655.8 | 3663.6 | 3698.3 | 3437.2 | 2417.0 |
| 77.5° | 80.7 | 81.5 | 115.4 | 257.7 | 504.9 | 1262.3 | 2530.6 | 2602.6 | 2600.0 | 2224.4 | 1168.6 |
| 80° | 56.4 | 58.1 | 68.5 | 118.0 | 240.3 | 365.2 | 1236.2 | 1244.1 | 1070.5 | 795.5 | 291.5 |
| 82.5° | 29.5 | 31.2 | 48.6 | 70.3 | 163.1 | 133.6 | 399.9 | 403.4 | 297.6 | 187.4 | 67.7 |
| 85° | 5.2 | 7.8 | 23.4 | 42.5 | 63.3 | 53.8 | 87.6 | 110.2 | 95.4 | 74.6 | 28.6 |
| 87.5° | 0.9 | 0.9 | 6.1 | 6.1 | 8.7 | 5.2 | 8.7 | 9.5 | 10.4 | 15.6 | 7.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P414070

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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 2.5° | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 5° | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 7.5° | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 0.9 | 0.0 | 79.8 | 107.6 | 114.5 | 122.3 |
| 10° | 2.6 | 3.5 | 2.6 | 2.6 | 1.7 | 109.3 | 134.5 | 136.2 | 137.9 | 137.9 | 137.1 |
| 12.5° | 110.2 | 112.8 | 39.9 | 7.8 | 101.5 | 138.8 | 131.9 | 120.6 | 110.2 | 106.7 | 105.8 |
| 15° | 236.0 | 236.8 | 214.3 | 184.8 | 196.9 | 131.0 | 103.2 | 117.1 | 118.9 | 114.5 | 114.5 |
| 17.5° | 254.2 | 254.2 | 242.9 | 296.7 | 249.0 | 131.0 | 108.4 | 89.4 | 76.3 | 72.9 | 72.0 |
| 20° | 503.2 | 440.7 | 356.6 | 301.0 | 203.0 | 146.6 | 76.3 | 65.1 | 63.3 | 63.3 | 65.9 |
| 22.5° | 543.1 | 535.3 | 464.1 | 406.0 | 174.4 | 103.2 | 74.6 | 74.6 | 88.5 | 86.8 | 85.9 |
| 25° | 708.8 | 698.4 | 525.7 | 353.1 | 174.4 | 88.5 | 94.6 | 83.3 | 81.5 | 79.8 | 78.1 |
| 27.5° | 896.2 | 874.5 | 739.1 | 319.3 | 123.2 | 92.8 | 90.2 | 78.9 | 93.7 | 93.7 | 92.8 |
| 30° | 1020.2 | 938.7 | 744.4 | 286.3 | 104.1 | 98.9 | 85.0 | 92.0 | 83.3 | 78.1 | 78.1 |
| 32.5° | 1322.1 | 1284.8 | 910.1 | 202.1 | 98.9 | 89.4 | 89.4 | 78.9 | 70.3 | 72.9 | 72.0 |
| 35° | 1417.6 | 1369.0 | 810.3 | 151.8 | 91.1 | 82.4 | 74.6 | 69.4 | 59.9 | 53.8 | 52.9 |
| 37.5° | 1535.5 | 1472.2 | 680.2 | 117.1 | 89.4 | 72.9 | 61.6 | 52.9 | 46.0 | 46.0 | 45.1 |
| 40° | 1680.4 | 1584.1 | 556.1 | 99.8 | 78.9 | 62.5 | 47.7 | 40.8 | 36.4 | 33.8 | 33.0 |
| 42.5° | 1839.2 | 1690.0 | 427.7 | 90.2 | 68.5 | 51.2 | 35.6 | 29.5 | 26.9 | 26.0 | 26.0 |
| 45° | 2006.6 | 1788.0 | 307.1 | 82.4 | 59.9 | 39.9 | 26.0 | 20.8 | 20.0 | 20.0 | 20.0 |
| 47.5° | 2177.5 | 1859.1 | 209.1 | 74.6 | 50.3 | 29.5 | 19.1 | 15.6 | 15.6 | 14.7 | 14.7 |
| 50° | 2345.0 | 1907.7 | 144.0 | 66.8 | 40.8 | 20.8 | 13.9 | 13.0 | 13.0 | 12.1 | 12.1 |
| 52.5° | 2466.4 | 1896.4 | 107.6 | 58.1 | 32.1 | 15.6 | 11.3 | 10.4 | 10.4 | 10.4 | 10.4 |
| 55° | 2584.4 | 1871.3 | 88.5 | 49.4 | 24.3 | 11.3 | 8.7 | 7.8 | 7.8 | 7.8 | 7.8 |
| 57.5° | 2705.9 | 1837.5 | 76.3 | 39.9 | 17.4 | 8.7 | 6.1 | 6.1 | 6.1 | 6.1 | 6.1 |
| 60° | 2806.5 | 1771.5 | 65.9 | 32.1 | 12.1 | 6.1 | 5.2 | 4.3 | 4.3 | 4.3 | 4.3 |
| 62.5° | 2918.4 | 1704.7 | 56.4 | 24.3 | 8.7 | 4.3 | 3.5 | 2.6 | 2.6 | 1.7 | 2.6 |
| 65° | 2998.2 | 1623.2 | 46.0 | 17.4 | 6.1 | 3.5 | 2.6 | 1.7 | 0.9 | 0.0 | 0.9 |
| 67.5° | 2996.5 | 1514.7 | 33.0 | 11.3 | 4.3 | 2.6 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 70° | 2865.5 | 1359.4 | 22.6 | 7.8 | 3.5 | 1.7 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 72° | 2528.9 | 1096.6 | 17.4 | 6.9 | 3.5 | 1.7 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2410.9 | 1006.3 | 15.6 | 6.1 | 3.5 | 1.7 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 75° | 1531.2 | 419.0 | 12.1 | 5.2 | 3.5 | 1.7 | 1.7 | 0.9 | 0.9 | 0.9 | 0.0 |
| 77.5° | 711.4 | 153.6 | 8.7 | 4.3 | 2.6 | 1.7 | 1.7 | 0.9 | 0.9 | 1.7 | 0.0 |
| 80° | 155.3 | 45.1 | 6.1 | 4.3 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 | 2.6 | 0.0 |
| 82.5° | 35.6 | 14.7 | 5.2 | 3.5 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 | 2.6 | 0.0 |
| 85° | 13.0 | 8.7 | 5.2 | 4.3 | 3.5 | 1.7 | 1.7 | 2.6 | 2.6 | 3.5 | 0.0 |
| 87.5° | 5.2 | 5.2 | 4.3 | 4.3 | 3.5 | 1.7 | 2.6 | 2.6 | 3.5 | 3.5 | 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)