

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: P414061

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
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-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5865 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

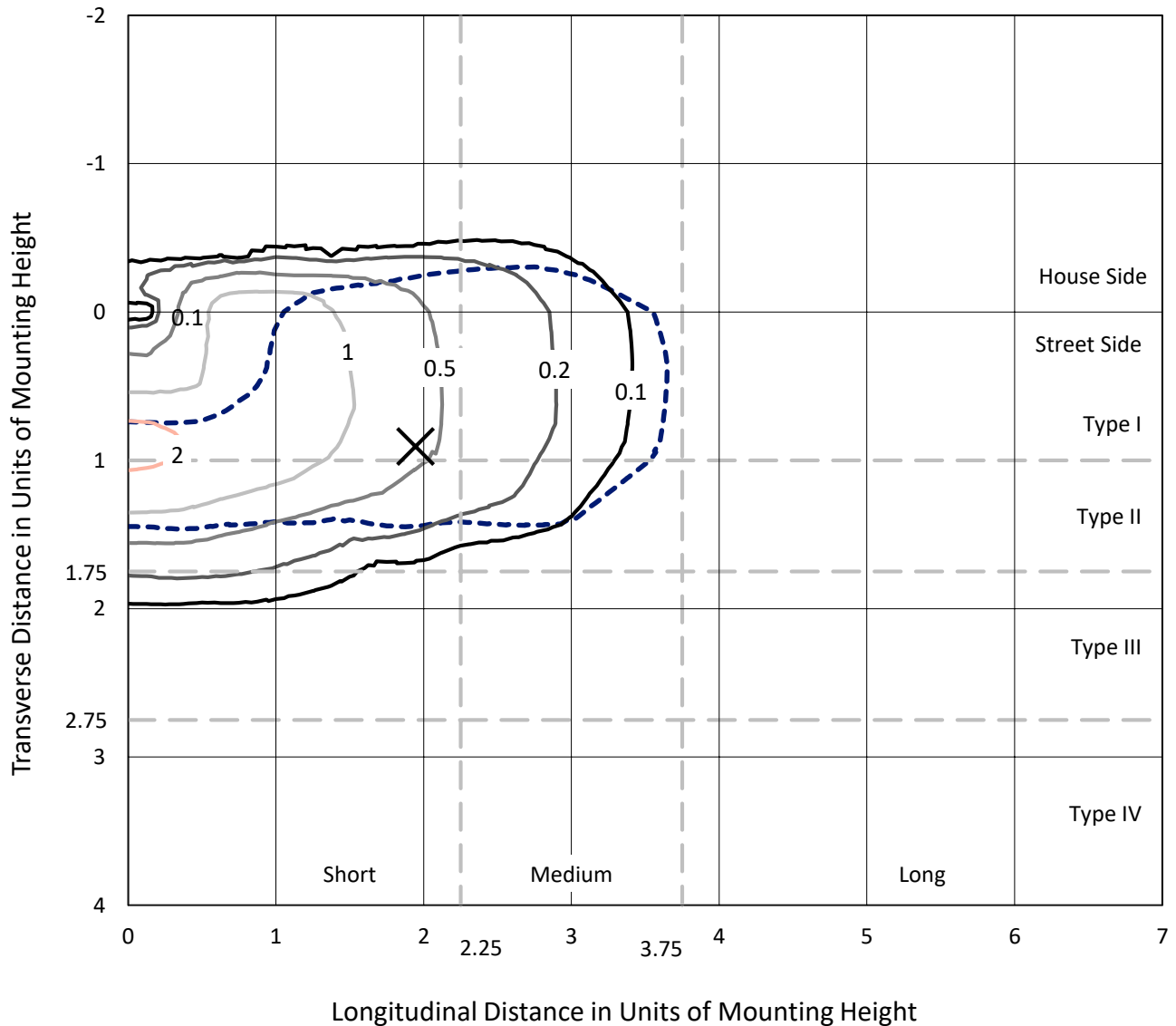
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

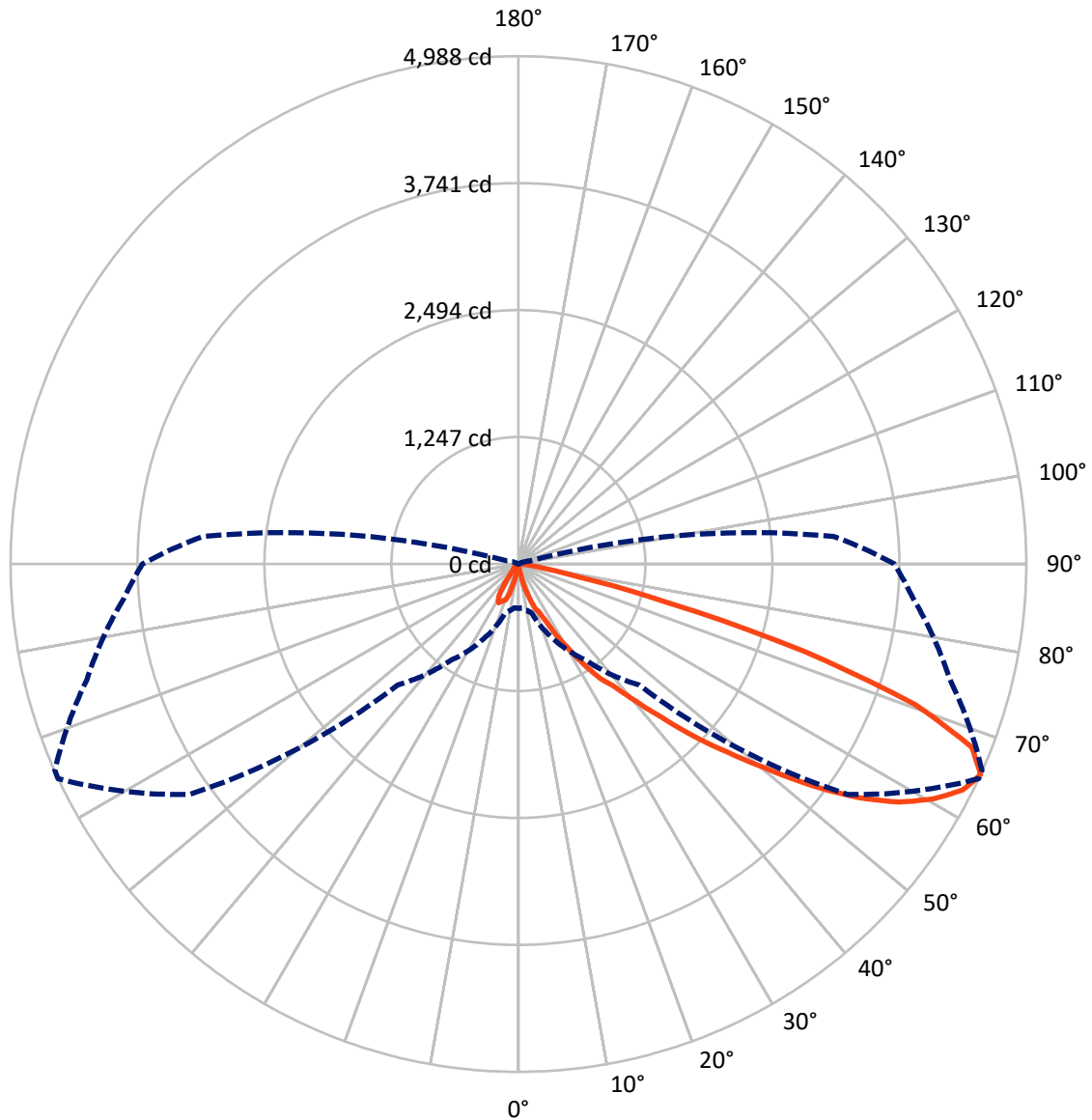


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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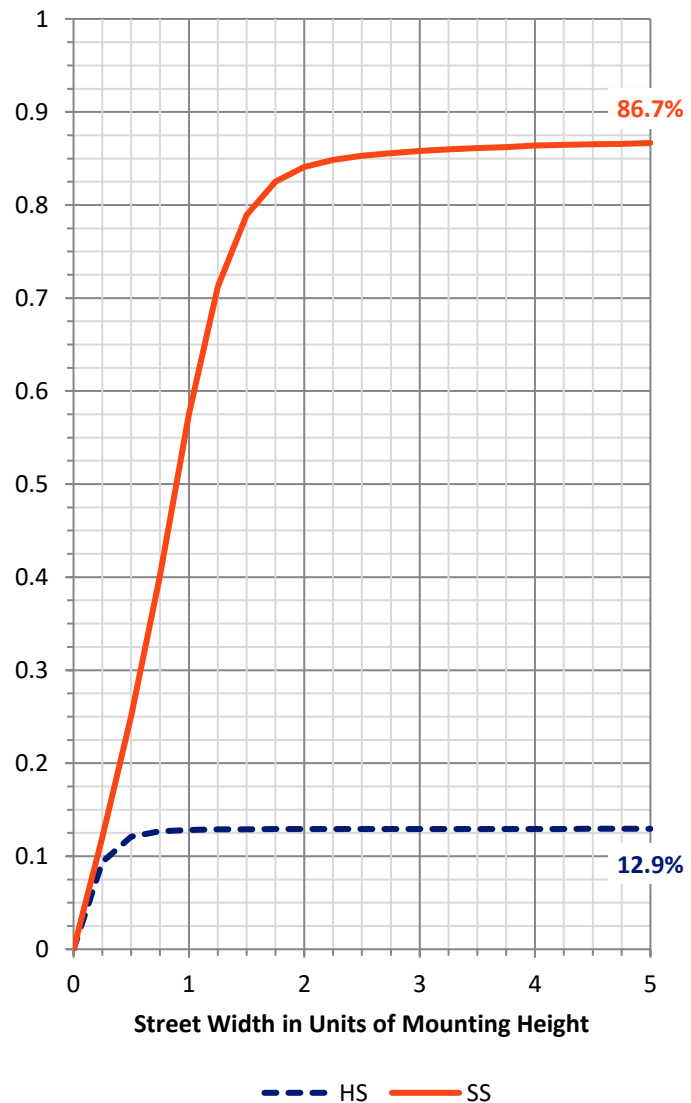
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 769.6 | 0.0 | 769.6 |
| | % Fixture | 13.1 | 0.0 | 13.1 |
| Street Side | Lumens | 5095.4 | 0.0 | 5095.4 |
| | % Fixture | 86.9 | 0.0 | 86.9 |
| Total | Lumens | 5865.0 | 0.0 | 5865.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 4.6 | 0.1 |
| 10°-20° | 60.9 | 1.0 |
| 20°-30° | 206.9 | 3.5 |
| 30°-40° | 581.9 | 9.9 |
| 40°-50° | 1291.2 | 22.0 |
| 50°-60° | 1731.3 | 29.5 |
| 60°-70° | 1379.3 | 23.5 |
| 70°-80° | 568.2 | 9.7 |
| 80°-90° | 40.7 | 0.7 |
| 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° | 5865.0 | 100.0 |
| 0°-180° | 5865.0 | 100.0 |

Coefficient of Utilization



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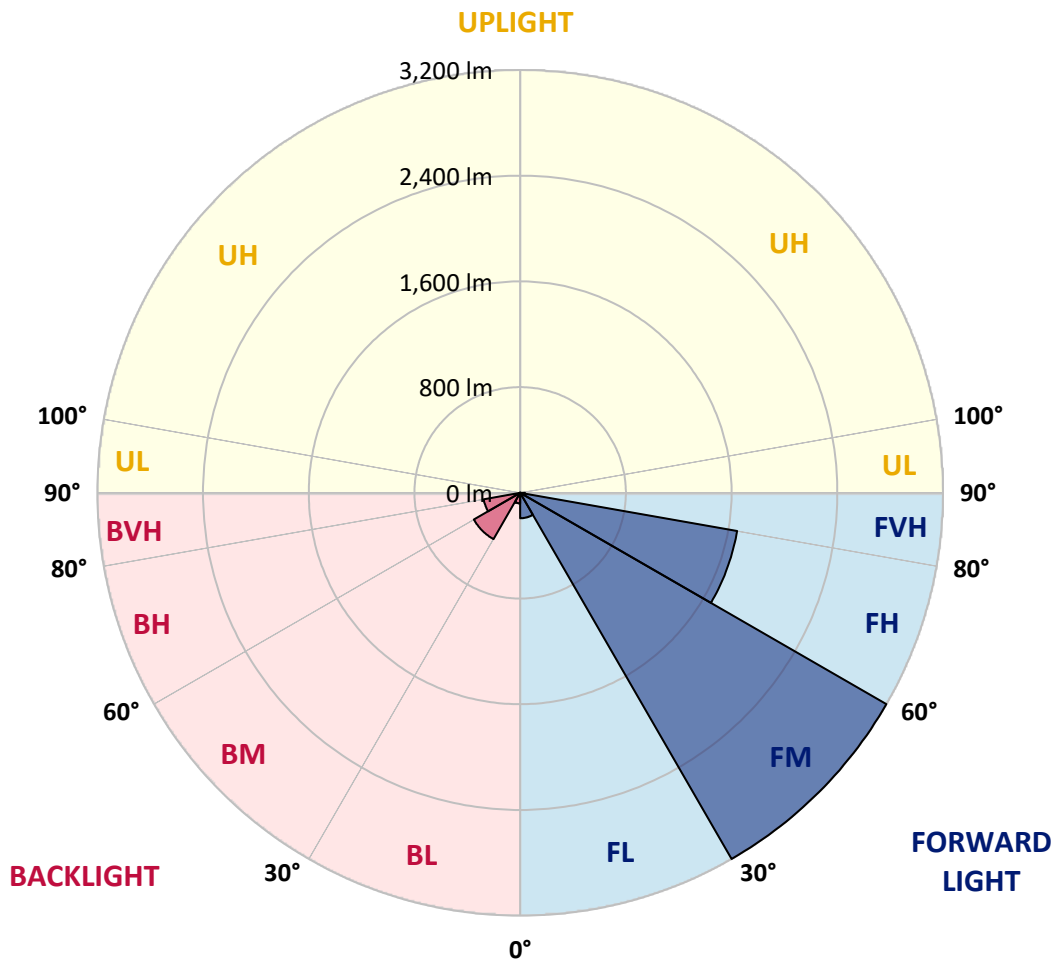
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 192.4 | 3.3 | | | |
| FM | (30°-60°) | 3199.7 | 54.6 | | | |
| FH | (60°-80°) | 1667.2 | 28.4 | | | G1/1800 |
| FVH | (80°-90°) | 36.2 | 0.6 | | | G1/100 |
| BL | (0°-30°) | 80.1 | 1.4 | B0/110 | | |
| BM | (30°-60°) | 404.7 | 6.9 | B1/1000 | | |
| BH | (60°-80°) | 280.3 | 4.8 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 4.5 | 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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 66° | 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 | 2.6 | 2.6 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 |
| 5° | 25.2 | 23.4 | 17.4 | 9.5 | 5.2 | 3.5 | 2.6 | 1.7 | 1.7 | 1.7 | 1.7 |
| 7.5° | 175.2 | 174.4 | 174.4 | 176.1 | 177.0 | 63.3 | 6.1 | 2.6 | 2.6 | 1.7 | 1.7 |
| 10° | 168.3 | 167.4 | 167.4 | 170.0 | 172.6 | 173.5 | 166.6 | 4.3 | 3.5 | 1.7 | 1.7 |
| 12.5° | 314.1 | 308.8 | 196.9 | 172.6 | 168.3 | 170.0 | 170.9 | 147.5 | 68.5 | 105.8 | 131.0 |
| 15° | 314.9 | 312.3 | 314.9 | 319.3 | 255.1 | 177.8 | 259.4 | 253.3 | 253.3 | 186.5 | 255.9 |
| 17.5° | 318.4 | 314.9 | 316.7 | 322.7 | 313.2 | 367.8 | 347.0 | 359.2 | 359.2 | 265.5 | 282.8 |
| 20° | 470.2 | 469.3 | 476.3 | 348.8 | 389.5 | 456.3 | 378.3 | 464.1 | 472.8 | 394.7 | 408.6 |
| 22.5° | 479.8 | 478.9 | 490.2 | 488.4 | 478.0 | 490.2 | 553.5 | 508.4 | 511.0 | 596.9 | 539.6 |
| 25° | 668.0 | 652.4 | 529.2 | 519.7 | 628.1 | 582.1 | 663.7 | 612.5 | 607.3 | 721.8 | 684.5 |
| 27.5° | 764.3 | 757.4 | 765.2 | 741.8 | 665.4 | 714.0 | 718.3 | 788.6 | 753.0 | 826.8 | 843.3 |
| 30° | 929.2 | 933.5 | 894.4 | 855.4 | 871.9 | 828.5 | 864.1 | 958.6 | 954.3 | 937.0 | 1063.6 |
| 32.5° | 1483.5 | 1438.4 | 1362.1 | 1060.2 | 993.4 | 962.1 | 1061.0 | 1167.7 | 1124.4 | 1188.6 | 1315.2 |
| 35° | 1963.3 | 1862.6 | 1736.0 | 1520.8 | 1233.7 | 1150.4 | 1271.0 | 1375.9 | 1349.0 | 1478.3 | 1470.5 |
| 37.5° | 2763.2 | 2716.3 | 2496.8 | 1947.7 | 1661.4 | 1434.9 | 1493.1 | 1518.2 | 1549.5 | 1696.9 | 1693.5 |
| 40° | 3236.0 | 3182.2 | 3026.9 | 2592.3 | 2096.9 | 1780.2 | 1755.1 | 1768.1 | 1778.5 | 1926.8 | 1937.3 |
| 42.5° | 3633.3 | 3609.0 | 3458.1 | 3041.6 | 2636.5 | 2339.8 | 2104.7 | 2053.5 | 2072.6 | 2222.7 | 2202.7 |
| 45° | 3903.1 | 3874.5 | 3738.3 | 3447.7 | 3111.9 | 2959.2 | 2510.7 | 2410.9 | 2416.1 | 2499.4 | 2483.8 |
| 47.5° | 3962.1 | 3928.3 | 3867.6 | 3706.2 | 3592.5 | 3468.5 | 3019.1 | 2756.2 | 2815.2 | 2819.6 | 2766.6 |
| 50° | 3752.2 | 3710.5 | 3761.7 | 3723.5 | 3897.1 | 3959.5 | 3533.6 | 3158.8 | 3260.3 | 3167.4 | 3020.8 |
| 52.5° | 3232.5 | 3245.5 | 3403.4 | 3518.8 | 3908.3 | 4303.1 | 4086.2 | 3620.3 | 3688.8 | 3454.6 | 3261.1 |
| 55° | 2567.1 | 2599.2 | 2860.3 | 3072.0 | 3642.9 | 4399.4 | 4486.1 | 4048.0 | 4074.9 | 3760.0 | 3455.5 |
| 57.5° | 1890.4 | 1933.8 | 2254.8 | 2490.8 | 3128.4 | 4192.0 | 4682.2 | 4411.5 | 4464.4 | 3980.3 | 3590.8 |
| 60° | 1163.4 | 1203.3 | 1566.8 | 1926.0 | 2401.4 | 3596.0 | 4708.2 | 4683.9 | 4744.7 | 4135.6 | 3727.0 |
| 62.5° | 708.8 | 742.6 | 901.4 | 1337.8 | 1725.6 | 2718.1 | 4491.3 | 4893.0 | 4923.4 | 4292.7 | 3825.1 |
| 65° | 436.4 | 430.3 | 494.5 | 812.9 | 1151.2 | 1680.5 | 3943.0 | 4987.6 | 4984.1 | 4387.2 | 3891.0 |
| 67.5° | 288.9 | 294.1 | 318.4 | 446.8 | 784.3 | 908.3 | 2827.4 | 4801.9 | 4784.6 | 4433.2 | 3865.0 |
| 70° | 255.9 | 257.7 | 282.0 | 316.7 | 564.8 | 529.2 | 1427.1 | 4133.9 | 4109.6 | 4309.1 | 3702.7 |
| 72.5° | 200.4 | 206.5 | 246.4 | 287.2 | 407.8 | 387.8 | 537.9 | 2928.0 | 2959.2 | 3662.8 | 3258.5 |
| 75° | 142.3 | 146.6 | 186.5 | 250.7 | 304.5 | 296.7 | 303.6 | 1509.5 | 1601.5 | 2431.8 | 2387.5 |
| 77.5° | 89.4 | 92.8 | 120.6 | 185.7 | 258.5 | 218.6 | 212.6 | 592.5 | 663.7 | 1189.4 | 1194.6 |
| 80° | 61.6 | 62.5 | 74.6 | 124.9 | 185.7 | 179.6 | 144.0 | 236.8 | 239.4 | 431.2 | 413.8 |
| 82.5° | 36.4 | 36.4 | 49.5 | 77.2 | 113.6 | 146.6 | 92.8 | 118.9 | 123.2 | 159.6 | 91.1 |
| 85° | 13.0 | 13.9 | 26.9 | 44.2 | 63.3 | 77.2 | 55.5 | 65.1 | 67.7 | 82.4 | 43.4 |
| 87.5° | 0.9 | 1.7 | 8.7 | 13.9 | 17.4 | 15.6 | 18.2 | 20.0 | 22.6 | 26.9 | 15.6 |
| 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° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 2.5° | 1.7 | 1.7 | 2.6 | 2.6 | 2.6 | 1.7 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 5° | 1.7 | 1.7 | 2.6 | 2.6 | 2.6 | 1.7 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 |
| 7.5° | 1.7 | 1.7 | 2.6 | 2.6 | 2.6 | 1.7 | 24.3 | 135.3 | 141.4 | 145.7 | 146.6 |
| 10° | 5.2 | 3.5 | 2.6 | 2.6 | 2.6 | 140.5 | 145.7 | 142.3 | 139.7 | 137.1 | 137.9 |
| 12.5° | 132.7 | 132.7 | 120.6 | 78.1 | 131.0 | 144.0 | 136.2 | 127.5 | 120.6 | 112.8 | 113.6 |
| 15° | 255.1 | 253.3 | 223.8 | 192.6 | 220.4 | 141.4 | 117.1 | 155.3 | 132.7 | 117.1 | 114.5 |
| 17.5° | 283.7 | 275.0 | 240.3 | 307.1 | 273.3 | 161.4 | 135.3 | 92.0 | 65.9 | 59.9 | 59.0 |
| 20° | 408.6 | 397.3 | 350.5 | 372.2 | 249.9 | 186.5 | 81.6 | 52.1 | 46.8 | 56.4 | 58.1 |
| 22.5° | 525.7 | 510.1 | 438.1 | 385.2 | 281.1 | 114.5 | 57.3 | 57.3 | 56.4 | 54.7 | 53.8 |
| 25° | 675.8 | 648.1 | 587.3 | 403.4 | 223.0 | 75.5 | 62.5 | 51.2 | 46.0 | 42.5 | 42.5 |
| 27.5° | 830.3 | 792.9 | 673.2 | 429.4 | 146.6 | 70.3 | 55.5 | 43.4 | 46.0 | 44.2 | 44.2 |
| 30° | 1055.8 | 1004.6 | 784.3 | 401.7 | 95.4 | 65.1 | 46.8 | 42.5 | 37.3 | 35.6 | 34.7 |
| 32.5° | 1289.2 | 1195.5 | 893.6 | 349.6 | 75.5 | 55.5 | 43.4 | 34.7 | 33.8 | 34.7 | 34.7 |
| 35° | 1438.4 | 1350.8 | 1011.6 | 254.2 | 65.9 | 48.6 | 35.6 | 32.1 | 29.5 | 28.6 | 28.6 |
| 37.5° | 1617.1 | 1508.7 | 1022.0 | 164.8 | 57.3 | 39.9 | 30.4 | 26.9 | 26.9 | 27.8 | 27.8 |
| 40° | 1831.4 | 1712.6 | 980.3 | 101.5 | 49.5 | 33.0 | 26.0 | 24.3 | 23.4 | 23.4 | 23.4 |
| 42.5° | 2071.7 | 1921.6 | 922.2 | 76.3 | 41.6 | 27.8 | 21.7 | 20.8 | 20.0 | 20.0 | 20.0 |
| 45° | 2328.5 | 2132.5 | 842.4 | 63.3 | 34.7 | 23.4 | 18.2 | 17.4 | 17.4 | 16.5 | 16.5 |
| 47.5° | 2594.9 | 2358.0 | 721.8 | 55.5 | 28.6 | 19.1 | 15.6 | 14.7 | 13.9 | 13.9 | 13.9 |
| 50° | 2823.0 | 2564.5 | 574.3 | 47.7 | 24.3 | 16.5 | 12.1 | 11.3 | 11.3 | 10.4 | 10.4 |
| 52.5° | 3030.4 | 2739.7 | 455.5 | 40.8 | 20.0 | 13.0 | 9.5 | 8.7 | 8.7 | 7.8 | 7.8 |
| 55° | 3190.0 | 2869.9 | 340.1 | 33.8 | 16.5 | 10.4 | 6.9 | 6.1 | 6.1 | 5.2 | 6.1 |
| 57.5° | 3324.5 | 2949.7 | 257.7 | 27.8 | 13.9 | 7.8 | 5.2 | 4.3 | 3.5 | 3.5 | 3.5 |
| 60° | 3452.0 | 3013.9 | 190.0 | 21.7 | 11.3 | 6.1 | 3.5 | 2.6 | 1.7 | 1.7 | 1.7 |
| 62.5° | 3589.1 | 3071.1 | 150.1 | 17.4 | 9.5 | 4.3 | 1.7 | 1.7 | 0.0 | 0.0 | 0.0 |
| 65° | 3692.3 | 3106.7 | 116.3 | 13.9 | 7.8 | 2.6 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 67.5° | 3695.8 | 3061.6 | 91.1 | 11.3 | 6.9 | 2.6 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 3563.0 | 2869.9 | 67.7 | 10.4 | 6.1 | 2.6 | 1.7 | 0.9 | 0.0 | 0.0 | 0.0 |
| 72.5° | 3087.6 | 2253.0 | 48.6 | 8.7 | 5.2 | 2.6 | 1.7 | 0.9 | 0.9 | 0.0 | 0.0 |
| 75° | 2233.1 | 1331.7 | 33.8 | 7.8 | 5.2 | 2.6 | 2.6 | 1.7 | 1.7 | 1.7 | 0.0 |
| 77.5° | 1145.2 | 553.5 | 22.6 | 6.9 | 4.3 | 1.7 | 3.5 | 2.6 | 2.6 | 2.6 | 0.9 |
| 80° | 335.7 | 190.9 | 13.9 | 6.1 | 4.3 | 1.7 | 3.5 | 3.5 | 3.5 | 3.5 | 0.9 |
| 82.5° | 64.2 | 37.3 | 8.7 | 6.1 | 4.3 | 1.7 | 3.5 | 3.5 | 3.5 | 4.3 | 0.0 |
| 85° | 25.2 | 14.7 | 6.1 | 5.2 | 4.3 | 1.7 | 3.5 | 3.5 | 4.3 | 4.3 | 0.0 |
| 87.5° | 8.7 | 6.9 | 5.2 | 4.3 | 4.3 | 1.7 | 3.5 | 3.5 | 3.5 | 4.3 | 0.9 |
| 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)